

Cover Page

Order ID : Q3178

Project ID : RFP 916

Client : Weston Solutions, Inc.

Lab Sample Number

Q3178-01
Q3178-02
Q3178-03

Client Sample Number

EME-TS14-01
EME-TS14-01MS
EME-TS14-01MSD

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

Signature : _____

Date: 9/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 916

Project # N/A

Order ID # Q3178

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 09/23/2025.

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 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 except for PB169827BL [Terphenyl-d14 - 107%], marginally high therefore no corrective action was taken.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q3178-02MS} with File ID: BF143817.D recoveries met the requirements for all compounds except for Benzo(b)fluoranthene[130%], due to matrix interference.

The MSD {Q3178-03MSD} with File ID: BF143818.D recoveries met the requirements for all compounds except for 2,6-Dinitrotoluene[139%] and Benzo(b)fluoranthene [139%], due to matrix interference.

The RPD were met for all analysis.

The Blank Spike for {PB169827BS} with File ID: BF143804.D met requirements for all compounds except for 2,6-Dinitrotoluene[112%], Butylbenzylphthalate[106%], marginally high, but the associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.



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The %RSD is greater than 20% in the Method 8270-BF092325.M for 2-Nitrophenol & 2,4-Dinitrotoluene & are passing on Linear regression, and 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, they are passing on Quadratic regression.

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

E. 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.

Concentration of SOIL Sample:

Concentration ug/Kg,
(dry weight basis) = (Ax) (Is) (Vt) (DF) (GPC)

(Ais) (RRF) (Vi) (Wt) (D)

Where,

Ax = Area of the characteristic ion for the compound to be measured.

Ais = Area of the characteristic ion for the internal standard.

Is = Amount of internal standard injected in ng.

Vi = Volume of extract injected in microliters (uL)

Vt = Volume of concentrated extract in microliters (uL)

Wt = Weight of the original sample extracted in g

Df = Dilution factor

RRF = Mean Relative Response Factor determined from the initial calibration standard.

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

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

F. Manual Integration Comments:

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

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

Signature_____

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: Q3178

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 Method 8270-BF092325.M for 2-Nitrophenol & 2,4-Dinitrotoluene & are passing on Linear regression, and 2,4-Dinitrophenol, 4,6- Dinitro-2-methylphenol, they are passing on Quadratic 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. The Surrogate recoveries were met for all analysis except for PB169827BL [Terphenyl- d14 - 107%], marginally high therefore no corrective action was taken.		✓	
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q3178-02MS} with File ID: BF143817.D recoveries met the requirements for all compounds except for Benzo(b)fluoranthene[130%], due to matrix interference. The MSD {Q3178-03MSD} with File ID: BF143818.D recoveries met the requirements for all compounds except for 2,6-Dinitrotoluene[139%] and Benzo(b)fluoranthene[139%], due to matrix interference. The Blank Spike for {PB169827BS} with File ID: BF143804.D met requirements for all compounds except for 2,6-Dinitrotoluene[112%], Butylbenzylphthalate[106%], marginally high, but the associate samples have no positive hit for these compounds therefore no corrective action was taken.		✓	

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

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

ADDITIONAL COMMENTS:

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3178

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: 09/30/2025

LAB CHRONICLE

OrderID:	Q3178	OrderDate:	9/24/2025 10:59:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 916
Contact:	Smita Sumbaly	Location:	J33,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3178-01	EME-TS14-01	SOIL	SVOC-TCL BNA -20	8270E	09/23/25	09/25/25	09/25/25	09/23/25



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Hit Summary Sheet SW-846

SDG No.: Q3178
Client: Weston Solutions, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : EME-TS14-01								
Q3178-01	EME-TS14-01	SOIL	13-Docosenamide, (Z)-	*	120.000	J 0	0	ug/Kg
Q3178-01	EME-TS14-01	SOIL	Cyclohexane, 1,3,5-triphenyl-	*	200.000	J 0	0	ug/Kg
Q3178-01	EME-TS14-01	SOIL	n-Hexadecanoic acid	*	280.000	J 0	0	ug/Kg
Total Tics :					600.00			
Total Concentration:					600.00			



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3178

Client: Weston Solutions, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB169827BL	PB169827BL	2-Fluorophenol	300	242	81		18	112
		Phenol-d6	300	246	82		15	107
		Nitrobenzene-d5	200	185	92		18	107
		2-Fluorobiphenyl	200	165	82		20	109
		2,4,6-Tribromophenol	300	205	68		10	116
		Terphenyl-d14	200	213	107	*	10	105
PB169827BS	PB169827BS	2-Fluorophenol	150	111	74		18	112
		Phenol-d6	150	113	76		15	107
		Nitrobenzene-d5	100	84.3	84		18	107
		2-Fluorobiphenyl	100	80.8	81		20	109
		2,4,6-Tribromophenol	150	110	73		10	116
		Terphenyl-d14	100	92.4	92		10	105
Q3178-01	EME-TS14-01	2-Fluorophenol	150	40.5	27		18	112
		Phenol-d6	150	40.1	27		15	107
		Nitrobenzene-d5	100	30.7	31		18	107
		2-Fluorobiphenyl	100	24.3	24		20	109
		2,4,6-Tribromophenol	150	43.2	29		10	116
		Terphenyl-d14	100	22.2	22		10	105
Q3178-02MS	EME-TS14-01MS	2-Fluorophenol	150	83.4	56		18	112
		Phenol-d6	150	85.1	57		15	107
		Nitrobenzene-d5	100	62.6	63		18	107
		2-Fluorobiphenyl	100	49.8	50		20	109
		2,4,6-Tribromophenol	150	83.2	55		10	116
		Terphenyl-d14	100	48.3	48		10	105
Q3178-03MSD	EME-TS14-01MSD	2-Fluorophenol	150	88.1	59		18	112
		Phenol-d6	150	92.7	62		15	107
		Nitrobenzene-d5	100	65.6	66		18	107
		2-Fluorobiphenyl	100	51.9	52		20	109
		2,4,6-Tribromophenol	150	80.5	54		10	116
		Terphenyl-d14	100	53.1	53		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3178

Analytical Method: SW8270E

Client: Weston Solutions, Inc.

DataFile: BF143817.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3178-02MS		Client Sample ID: EME-TS14-01MS									
Benzaldehyde	2300	0	1400	ug/Kg	61				10	171	
Phenol	2300	0	2200	ug/Kg	96				51	122	
bis(2-Chloroethyl)ether	2300	0	2100	ug/Kg	91				54	125	
2-Chlorophenol	2300	0	2100	ug/Kg	91				51	121	
2-Methylphenol	2300	0	2200	ug/Kg	96				47	125	
2,2-oxybis(1-Chloropropane)	2300	0	2000	ug/Kg	87				46	119	
Acetophenone	2300	0	2500	ug/Kg	109				55	128	
3+4-Methylphenols	2300	0	2100	ug/Kg	91				49	125	
N-Nitroso-di-n-propylamine	2300	0	2100	ug/Kg	91				59	119	
Hexachloroethane	2300	0	2000	ug/Kg	87				51	116	
Nitrobenzene	2300	0	2300	ug/Kg	100				47	124	
Isophorone	2300	0	2300	ug/Kg	100				49	127	
2-Nitrophenol	2300	0	2500	ug/Kg	109				43	131	
2,4-Dimethylphenol	2300	0	2400	ug/Kg	104				63	151	
bis(2-Chloroethoxy)methane	2300	0	2200	ug/Kg	96				51	119	
2,4-Dichlorophenol	2300	0	2200	ug/Kg	96				50	122	
Naphthalene	2300	0	2100	ug/Kg	91				51	121	
4-Chloroaniline	2300	0	860	ug/Kg	37				10	100	
Hexachlorobutadiene	2300	0	2100	ug/Kg	91				44	126	
Caprolactam	2300	0	2500	ug/Kg	109				51	134	
4-Chloro-3-methylphenol	2300	0	2200	ug/Kg	96				57	132	
2-Methylnaphthalene	2300	0	1900	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	4700	0	4000	ug/Kg	85				10	175	
2,4,6-Trichlorophenol	2300	0	2400	ug/Kg	104				33	141	
2,4,5-Trichlorophenol	2300	0	2200	ug/Kg	96				38	135	
1,1-Biphenyl	2300	0	2400	ug/Kg	104				55	131	
2-Chloronaphthalene	2300	0	2200	ug/Kg	96				48	124	
2-Nitroaniline	2300	0	2700	ug/Kg	117				47	134	
Dimethylphthalate	2300	0	2300	ug/Kg	100				54	120	
Acenaphthylene	2300	0	2500	ug/Kg	109				57	125	
2,6-Dinitrotoluene	2300	0	2900	ug/Kg	126				48	127	
3-Nitroaniline	2300	0	1800	ug/Kg	78				10	112	
Acenaphthene	2300	0	2200	ug/Kg	96				70	121	
2,4-Dinitrophenol	4700	0	3000	ug/Kg	64				10	155	
4-Nitrophenol	4700	0	5300	ug/Kg	113				10	175	
Dibenzofuran	2300	0	2200	ug/Kg	96				52	114	
2,4-Dinitrotoluene	2300	0	2600	ug/Kg	113				41	140	
Diethylphthalate	2300	0	2300	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	2300	0	2200	ug/Kg	96				48	122	
Fluorene	2300	0	2200	ug/Kg	96				53	118	
4-Nitroaniline	2300	0	2500	ug/Kg	109				29	140	
4,6-Dinitro-2-methylphenol	2300	0	1700	ug/Kg	74				10	160	
N-Nitrosodiphenylamine	2300	0	2100	ug/Kg	91				73	118	
4-Bromophenyl-phenylether	2300	0	2100	ug/Kg	91				65	121	
Hexachlorobenzene	2300	0	2100	ug/Kg	91				67	118	
Atrazine	2300	0	2300	ug/Kg	100				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3178

Analytical Method: SW8270E

Client: Weston Solutions, Inc.

DataFile: BF143817.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	4700	0	5200	ug/Kg	111				13	153	
Phenanthrene	2300	0	2200	ug/Kg	96				52	128	
Anthracene	2300	0	2300	ug/Kg	100				62	124	
Carbazole	2300	0	2400	ug/Kg	104				59	119	
Di-n-butylphthalate	2300	0	2300	ug/Kg	100				55	125	
Fluoranthene	2300	0	2700	ug/Kg	117				44	125	
Pyrene	2300	0	2100	ug/Kg	91				37	122	
Butylbenzylphthalate	2300	0	2500	ug/Kg	109				44	135	
3,3-Dichlorobenzidine	2300	0	1800	ug/Kg	78				15	112	
Benzo(a)anthracene	2300	0	2300	ug/Kg	100				53	119	
Chrysene	2300	0	2300	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	2300	0	2200	ug/Kg	96				42	169	
Di-n-octyl phthalate	2300	0	2200	ug/Kg	96				51	156	
Benzo(b)fluoranthene	2300	0	3000	ug/Kg	130	*			52	117	
Benzo(k)fluoranthene	2300	0	2300	ug/Kg	100				57	134	
Benzo(a)pyrene	2300	0	2500	ug/Kg	109				70	142	
Indeno(1,2,3-cd)pyrene	2300	0	1600	ug/Kg	70				40	129	
Dibenz(a,h)anthracene	2300	0	1600	ug/Kg	70				43	123	
Benzo(g,h,i)perylene	2300	0	1600	ug/Kg	70				24	125	
1,2,4,5-Tetrachlorobenzene	2300	0	2400	ug/Kg	104				52	134	
1,4-Dioxane	2300	0	2100	ug/Kg	91				46	112	
2,3,4,6-Tetrachlorophenol	2300	0	2700	ug/Kg	117				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3178

Analytical Method: SW8270E

Client: Weston Solutions, Inc.

DataFile: BF143818.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3178-03MSD	Client Sample ID:	EME-TS14-01MSD								
Benzaldehyde	2300	0	1500	ug/Kg	65		6		10	171	20
Phenol	2300	0	2400	ug/Kg	104		8		51	122	20
bis(2-Chloroethyl)ether	2300	0	2200	ug/Kg	96		5		54	125	20
2-Chlorophenol	2300	0	2300	ug/Kg	100		9		51	121	20
2-Methylphenol	2300	0	2300	ug/Kg	100		4		47	125	20
2,2-oxybis(1-Chloropropane)	2300	0	2100	ug/Kg	91		4		46	119	20
Acetophenone	2300	0	2600	ug/Kg	113		4		55	128	20
3+4-Methylphenols	2300	0	2300	ug/Kg	100		9		49	125	20
N-Nitroso-di-n-propylamine	2300	0	2300	ug/Kg	100		9		59	119	20
Hexachloroethane	2300	0	2100	ug/Kg	91		4		51	116	20
Nitrobenzene	2300	0	2400	ug/Kg	104		4		47	124	20
Isophorone	2300	0	2400	ug/Kg	104		4		49	127	20
2-Nitrophenol	2300	0	2600	ug/Kg	113		4		43	131	20
2,4-Dimethylphenol	2300	0	2600	ug/Kg	113		8		63	151	20
bis(2-Chloroethoxy)methane	2300	0	2300	ug/Kg	100		4		51	119	20
2,4-Dichlorophenol	2300	0	2300	ug/Kg	100		4		50	122	20
Naphthalene	2300	0	2200	ug/Kg	96		5		51	121	20
4-Chloroaniline	2300	0	880	ug/Kg	38		3		10	100	20
Hexachlorobutadiene	2300	0	2200	ug/Kg	96		5		44	126	20
Caprolactam	2300	0	2900	ug/Kg	126		14		51	134	20
4-Chloro-3-methylphenol	2300	0	2400	ug/Kg	104		8		57	132	20
2-Methylnaphthalene	2300	0	2100	ug/Kg	91		9		59	123	20
Hexachlorocyclopentadiene	4700	0	4000	ug/Kg	85		0		10	175	20
2,4,6-Trichlorophenol	2300	0	2500	ug/Kg	109		5		33	141	20
2,4,5-Trichlorophenol	2300	0	2400	ug/Kg	104		8		38	135	20
1,1-Biphenyl	2300	0	2500	ug/Kg	109		5		55	131	20
2-Chloronaphthalene	2300	0	2200	ug/Kg	96		0		48	124	20
2-Nitroaniline	2300	0	2900	ug/Kg	126		7		47	134	20
Dimethylphthalate	2300	0	2500	ug/Kg	109		9		54	120	20
Acenaphthylene	2300	0	2600	ug/Kg	113		4		57	125	20
2,6-Dinitrotoluene	2300	0	3200	ug/Kg	139	*	10		48	127	20
3-Nitroaniline	2300	0	1800	ug/Kg	78		0		10	112	20
Acenaphthene	2300	0	2300	ug/Kg	100		4		70	121	20
2,4-Dinitrophenol	4700	0	3100	ug/Kg	66		3		10	155	20
4-Nitrophenol	4700	0	5400	ug/Kg	115		2		10	175	20
Dibenzofuran	2300	0	2300	ug/Kg	100		4		52	114	20
2,4-Dinitrotoluene	2300	0	2700	ug/Kg	117		3		41	140	20
Diethylphthalate	2300	0	2400	ug/Kg	104		4		51	119	20
4-Chlorophenyl-phenylether	2300	0	2300	ug/Kg	100		4		48	122	20
Fluorene	2300	0	2300	ug/Kg	100		4		53	118	20
4-Nitroaniline	2300	0	2500	ug/Kg	109		0		29	140	20
4,6-Dinitro-2-methylphenol	2300	0	1900	ug/Kg	83		11		10	160	20
N-Nitrosodiphenylamine	2300	0	2300	ug/Kg	100		9		73	118	20
4-Bromophenyl-phenylether	2300	0	2300	ug/Kg	100		9		65	121	20
Hexachlorobenzene	2300	0	2300	ug/Kg	100		9		67	118	20
Atrazine	2300	0	2500	ug/Kg	109		9		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3178

Analytical Method: SW8270E

Client: Weston Solutions, Inc.

DataFile: BF143818.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	4700	0	5400	ug/Kg	115		4		13	153	20
Phenanthrene	2300	0	2300	ug/Kg	100		4		52	128	20
Anthracene	2300	0	2300	ug/Kg	100		0		62	124	20
Carbazole	2300	0	2400	ug/Kg	104		0		59	119	20
Di-n-butylphthalate	2300	0	2500	ug/Kg	109		9		55	125	20
Fluoranthene	2300	0	2600	ug/Kg	113		3		44	125	20
Pyrene	2300	0	2300	ug/Kg	100		9		37	122	20
Butylbenzylphthalate	2300	0	2700	ug/Kg	117		7		44	135	20
3,3-Dichlorobenzidine	2300	0	1900	ug/Kg	83		6		15	112	20
Benzo(a)anthracene	2300	0	2400	ug/Kg	104		4		53	119	20
Chrysene	2300	0	2300	ug/Kg	100		0		57	121	20
bis(2-Ethylhexyl)phthalate	2300	0	2300	ug/Kg	100		4		42	169	20
Di-n-octyl phthalate	2300	0	2300	ug/Kg	100		4		51	156	20
Benzo(b)fluoranthene	2300	0	3200	ug/Kg	139	*	7		52	117	20
Benzo(k)fluoranthene	2300	0	2400	ug/Kg	104		4		57	134	20
Benzo(a)pyrene	2300	0	2600	ug/Kg	113		4		70	142	20
Indeno(1,2,3-cd)pyrene	2300	0	1700	ug/Kg	74		6		40	129	20
Dibenz(a,h)anthracene	2300	0	1700	ug/Kg	74		6		43	123	20
Benzo(g,h,i)perylene	2300	0	1700	ug/Kg	74		6		24	125	20
1,2,4,5-Tetrachlorobenzene	2300	0	2500	ug/Kg	109		5		52	134	20
1,4-Dioxane	2300	0	2100	ug/Kg	91		0		46	112	20
2,3,4,6-Tetrachlorophenol	2300	0	2800	ug/Kg	122		4		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3178

Analytical Method:

8270E

Client: Weston Solutions, Inc.

DataFile:

BF143804.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169827BS	Benzaldehyde	1700	400	ug/Kg	24				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	910	ug/Kg	54				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3500	ug/Kg	106				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1900	ug/Kg	112		*		61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128	
	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				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	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q3178</u>	Analytical Method: <u>8270E</u>
Client: <u>Weston Solutions, Inc.</u>	DataFile: <u>BF143804.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169827BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169827BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3178

Lab File ID: BF143803.D

Lab Sample ID: PB169827BL

Instrument ID: BNA_F

Date Extracted: 09/25/2025

Matrix: (soil/water) SOIL

Date Analyzed: 09/25/2025

Level: (low/med) LOW

Time Analyzed: 13:46

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169827BS	PB169827BS	BF143804.D	09/25/2025
EME-TS14-01	Q3178-01	BF143816.D	09/25/2025
EME-TS14-01MS	Q3178-02MS	BF143817.D	09/25/2025
EME-TS14-01MSD	Q3178-03MSD	BF143818.D	09/25/2025

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143790.D
Instrument ID: BNA_F

Contract: ROYF02
SDG NO.: Q3178
DFTPP Injection Date: 09/23/2025
DFTPP Injection Time: 09:31

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 (0.6) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	81.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.6 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143791.D	09/23/2025	10:28
SSTDICC005	SSTDICC005	BF143792.D	09/23/2025	10:58
SSTDICC010	SSTDICC010	BF143793.D	09/23/2025	11:57
SSTDICC020	SSTDICC020	BF143794.D	09/23/2025	12:27
SSTDICCC040	SSTDICCC040	BF143795.D	09/23/2025	13:59
SSTDICC050	SSTDICC050	BF143796.D	09/23/2025	14:28
SSTDICC060	SSTDICC060	BF143797.D	09/23/2025	14:58
SSTDICC080	SSTDICC080	BF143798.D	09/23/2025	15:27



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143801.D
Instrument ID: BNA_F

Contract: ROYF02
SDG NO.: Q3178
DFTPP Injection Date: 09/25/2025
DFTPP Injection Time: 12:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 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	6.6
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	83.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.7 (18.8) 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	BF143802.D	09/25/2025	13:06
PB169827BL	PB169827BL	BF143803.D	09/25/2025	13:46
PB169827BS	PB169827BS	BF143804.D	09/25/2025	14:16
EME-TS14-01	Q3178-01	BF143816.D	09/25/2025	21:21
EME-TS14-01MS	Q3178-02MS	BF143817.D	09/25/2025	21:50
EME-TS14-01MSD	Q3178-03MSD	BF143818.D	09/25/2025	22:20

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3178

Client ID : SSTDCCC040

Date Analyzed: 09/25/2025

Lab File ID: BF143802.D

Time Analyzed: 13:06

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	104582	6.887	347863	8.17	153714	9.92
UPPER LIMIT	209164	7.387	695726	8.669	307428	10.422
LOWER LIMIT	52291	6.387	173932	7.669	76857	9.422
EPA SAMPLE NO.						
01 PB169827BL	90559.5	6.89	349994	8.16	191362	9.92
02 PB169827BS	154944	6.89	586166	8.17	295245	9.93
03 EME-TS14-01	95670.5	6.89	311670	8.17	150308	9.92
04 EME-TS14-01MS	121227	6.89	419443	8.17	197016	9.92
05 EME-TS14-01MSD	126353	6.89	459229	8.17	224210	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3178

Client ID: SSTDCCC040

Date Analyzed: 09/25/2025

Lab File ID: BF143802.D

Time Analyzed: 13:06

Instrument ID: BNA_F

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	230130	11.41	269656	14.057	377788	15.533
UPPER LIMIT	460260	11.91	539312	14.557	755576	16.033
LOWER LIMIT	115065	10.91	134828	13.557	188894	15.033
EPA SAMPLE NO.						
01 PB169827BL	314170	11.41	278890	14.05	321334	15.53
02 PB169827BS	455131	11.42	452412	14.06	566269	15.53
03 EME-TS14-01	275753	11.41	436712	14.06	458474	15.53
04 EME-TS14-01MS	338625	11.41	466221	14.06	479520	15.53
05 EME-TS14-01MSD	355718	11.42	435935	14.06	434629	15.53

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01	SDG No.:	Q3178
Lab Sample ID:	Q3178-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143816.D	1	09/25/25 09:25	09/25/25 21:21	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	220	U	220	460	ug/Kg
108-95-2	Phenol	30.9	U	30.9	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	34.0	U	34.0	240	ug/Kg
95-57-8	2-Chlorophenol	34.1	U	34.1	240	ug/Kg
95-48-7	2-Methylphenol	41.8	U	41.8	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	52.4	U	52.4	240	ug/Kg
98-86-2	Acetophenone	41.2	U	41.2	240	ug/Kg
65794-96-9	3+4-Methylphenols	57.4	U	57.4	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	66.2	U	66.2	110	ug/Kg
67-72-1	Hexachloroethane	24.6	U	24.6	240	ug/Kg
98-95-3	Nitrobenzene	25.6	U	25.6	240	ug/Kg
78-59-1	Isophorone	45.8	U	45.8	240	ug/Kg
88-75-5	2-Nitrophenol	81.3	U	81.3	240	ug/Kg
105-67-9	2,4-Dimethylphenol	90.5	U	90.5	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	43.0	U	43.0	240	ug/Kg
120-83-2	2,4-Dichlorophenol	39.5	U	39.5	240	ug/Kg
91-20-3	Naphthalene	31.7	U	31.7	240	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	240	ug/Kg
87-68-3	Hexachlorobutadiene	35.4	U	35.4	240	ug/Kg
105-60-2	Caprolactam	72.8	U	72.8	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	40.1	U	40.1	240	ug/Kg
91-57-6	2-Methylnaphthalene	35.8	U	35.8	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	27.7	U	27.7	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40.7	U	40.7	240	ug/Kg
92-52-4	1,1-Biphenyl	30.5	U	30.5	240	ug/Kg
91-58-7	2-Chloronaphthalene	31.4	U	31.4	240	ug/Kg
88-74-4	2-Nitroaniline	67.2	U	67.2	240	ug/Kg
131-11-3	Dimethylphthalate	37.9	U	37.9	240	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01	SDG No.:	Q3178
Lab Sample ID:	Q3178-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143816.D	1	09/25/25 09:25	09/25/25 21:21	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	40.4	U	40.4	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	46.9	UQ	46.9	240	ug/Kg
99-09-2	3-Nitroaniline	64.3	U	64.3	240	ug/Kg
83-32-9	Acenaphthene	29.8	U	29.8	240	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	460	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	460	ug/Kg
132-64-9	Dibenzofuran	31.7	U	31.7	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	70.0	U	70.0	240	ug/Kg
84-66-2	Diethylphthalate	39.5	U	39.5	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	37.3	U	37.3	240	ug/Kg
86-73-7	Fluorene	35.4	U	35.4	240	ug/Kg
100-01-6	4-Nitroaniline	89.7	U	89.7	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	46.0	U	46.0	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	38.8	U	38.8	240	ug/Kg
118-74-1	Hexachlorobenzene	35.4	U	35.4	240	ug/Kg
1912-24-9	Atrazine	47.5	U	47.5	240	ug/Kg
87-86-5	Pentachlorophenol	71.7	U	71.7	460	ug/Kg
85-01-8	Phenanthrene	29.2	U	29.2	240	ug/Kg
120-12-7	Anthracene	46.5	U	46.5	240	ug/Kg
86-74-8	Carbazole	43.6	U	43.6	240	ug/Kg
84-74-2	Di-n-butylphthalate	66.9	U	66.9	240	ug/Kg
206-44-0	Fluoranthene	41.9	U	41.9	240	ug/Kg
129-00-0	Pyrene	50.3	U	50.3	240	ug/Kg
85-68-7	Butylbenzylphthalate	99.8	UQ	99.8	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	51.3	U	51.3	460	ug/Kg
56-55-3	Benzo(a)anthracene	32.1	U	32.1	240	ug/Kg
218-01-9	Chrysene	27.8	U	27.8	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	82.7	U	82.7	240	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	26.5	U	26.5	240	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01	SDG No.:	Q3178
Lab Sample ID:	Q3178-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143816.D	1	09/25/25 09:25	09/25/25 21:21	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	31.3	U	31.3	240	ug/Kg
50-32-8	Benzo(a)pyrene	41.2	U	41.2	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	40.7	U	40.7	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	38.3	U	38.3	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	35.9	U	35.9	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	35.8	U	35.8	240	ug/Kg
123-91-1	1,4-Dioxane	63.2	U	63.2	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	38.3	U	38.3	240	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	40.5		18 - 112	27%	SPK: 150
13127-88-3	Phenol-d6	40.1		15 - 107	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	30.7		18 - 107	31%	SPK: 100
321-60-8	2-Fluorobiphenyl	24.3		20 - 109	24%	SPK: 100
118-79-6	2,4,6-Tribromophenol	43.2		10 - 116	29%	SPK: 150
1718-51-0	Terphenyl-d14	22.2		10 - 105	22%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	95700	6.887
1146-65-2	Naphthalene-d8	312000	8.169
15067-26-2	Acenaphthene-d10	150000	9.922
1517-22-2	Phenanthrene-d10	276000	11.41
1719-03-5	Chrysene-d12	437000	14.057
1520-96-3	Perylene-d12	458000	15.533

TENTATIVE IDENTIFIED COMPOUNDS

000057-10-3	n-Hexadecanoic acid	280	J	11.9	ug/Kg
028336-57-4	Cyclohexane, 1,3,5-triphenyl-	200	J	13.9	ug/Kg
000112-84-5	13-Docosenamide, (Z)-	120	J	14.8	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01	SDG No.:	Q3178
Lab Sample ID:	Q3178-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143816.D	1	09/25/25 09:25	09/25/25 21:21	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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\BF092525\
Data File : BF143816.D
Acq On : 25 Sep 2025 21:21
Operator : RC/JU
Sample : Q3178-01
Misc :
ALS Vial : 15 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

Quant Time: Sep 25 23:25:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	191341	40.000	ng	0.00
21) Naphthalene-d8	8.169	136	623340	40.000	ng	0.00
39) Acenaphthene-d10	9.922	164	300615	40.000	ng	0.00
64) Phenanthrene-d10	11.410	188	551506	40.000	ng	0.00
76) Chrysene-d12	14.057	240	873424	40.000	ng	0.00
86) Perylene-d12	15.533	264	916948	40.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	476690	40.476	ng	0.00
7) Phenol-d6	6.498	99	545797	40.110	ng	-0.01
23) Nitrobenzene-d5	7.439	82	312415	30.679	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	192287	43.200	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	467315	24.258	ng	0.00
79) Terphenyl-d14	12.998	244	952847	22.187	ng	0.00

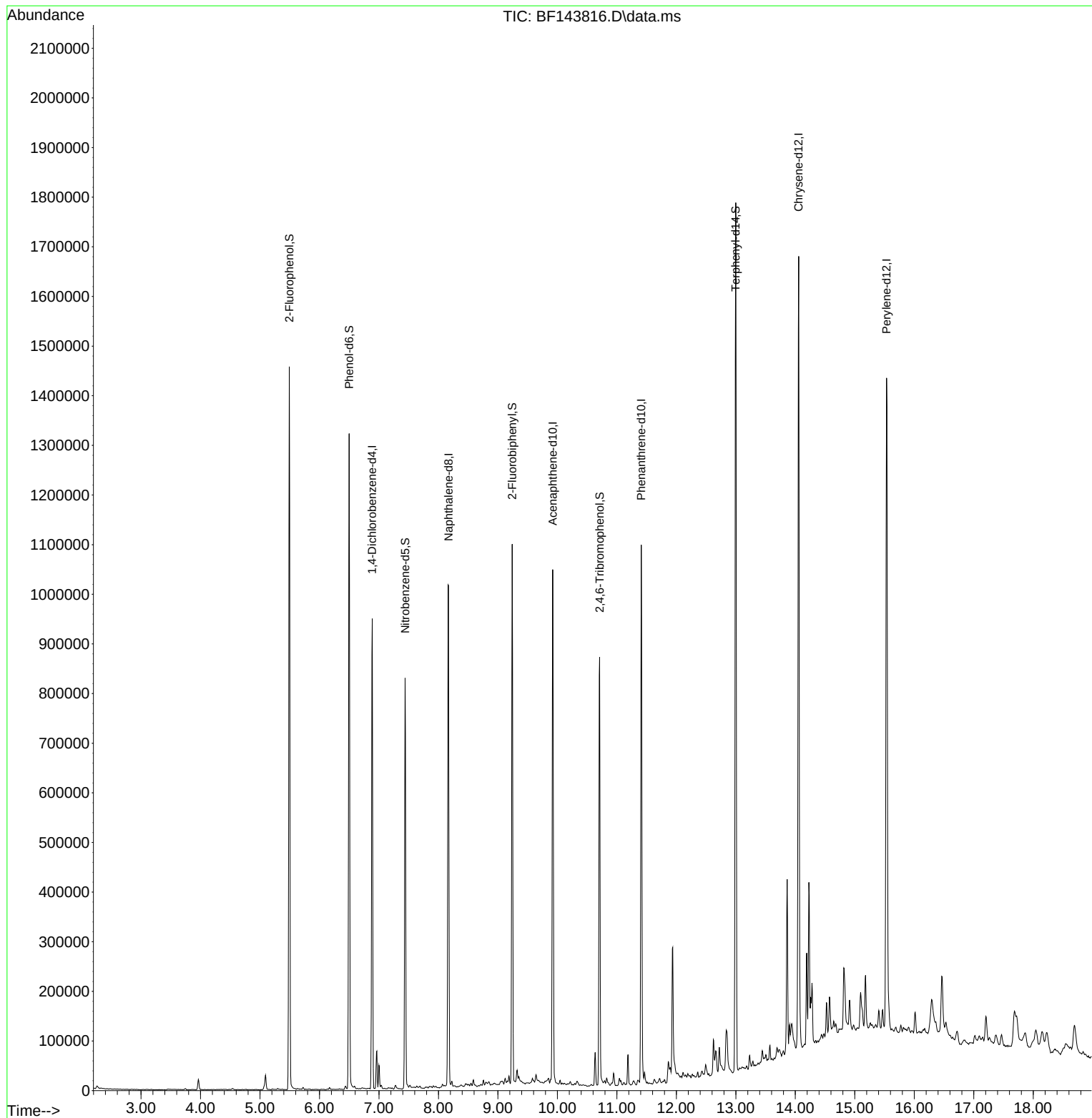
Target Compounds	Qvalue

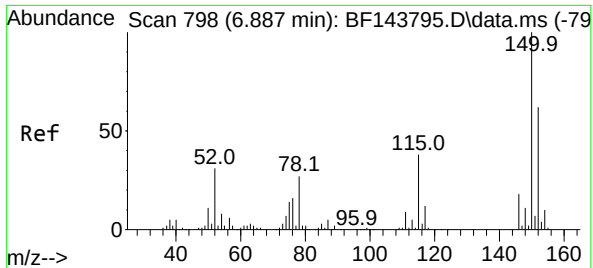
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143816.D
Acq On : 25 Sep 2025 21:21
Operator : RC/JU
Sample : Q3178-01
Misc :
ALS Vial : 15 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

Quant Time: Sep 25 23:25:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration

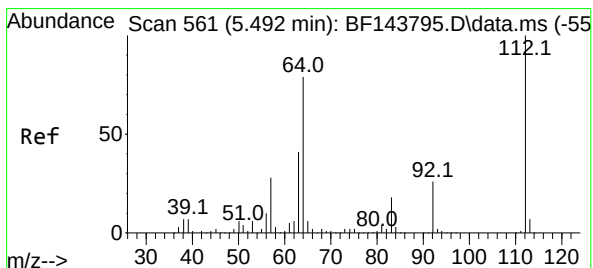
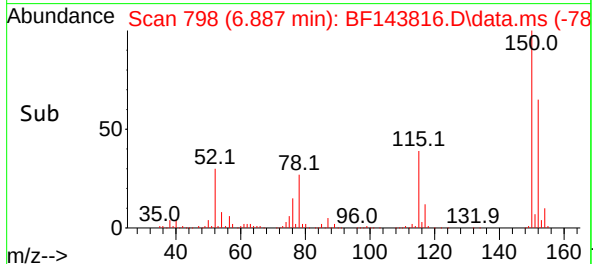
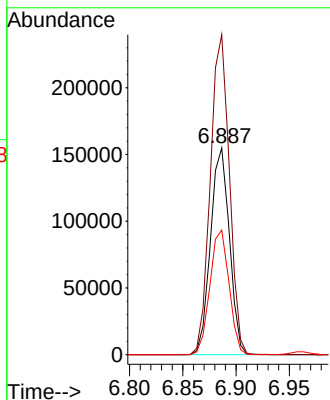
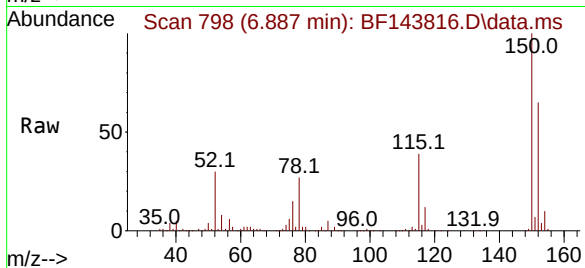




#1
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

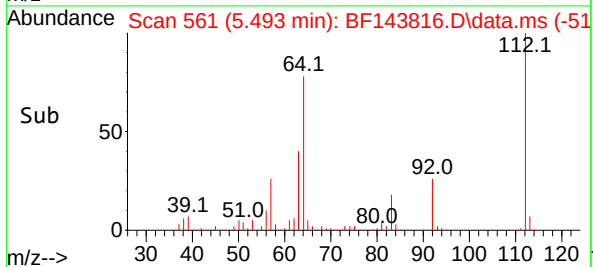
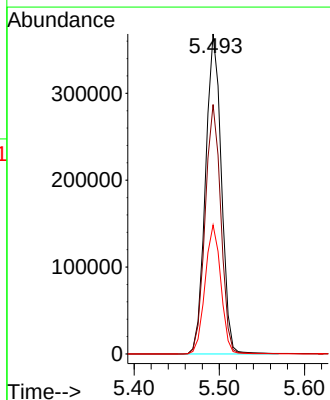
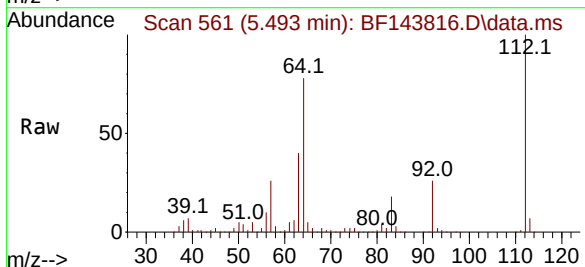
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

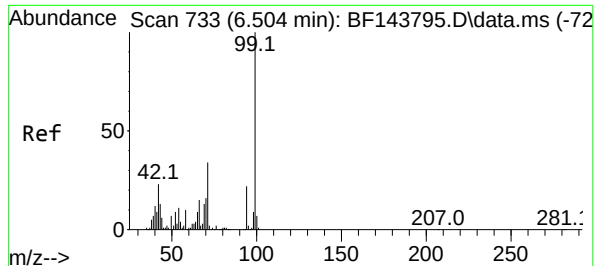
Tgt Ion:152 Resp: 191341
Ion Ratio Lower Upper
152 100
150 154.8 129.6 194.4
115 60.3 49.0 73.4



#5
2-Fluorophenol
Concen: 40.476 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

Tgt Ion:112 Resp: 476690
Ion Ratio Lower Upper
112 100
64 78.0 63.0 94.4
63 40.3 32.6 49.0

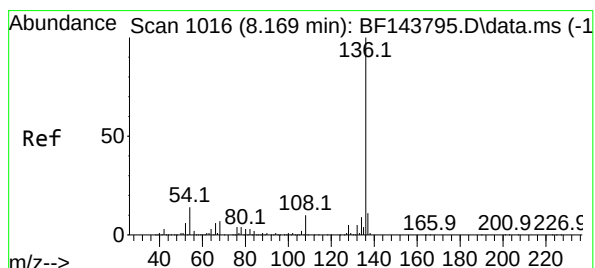
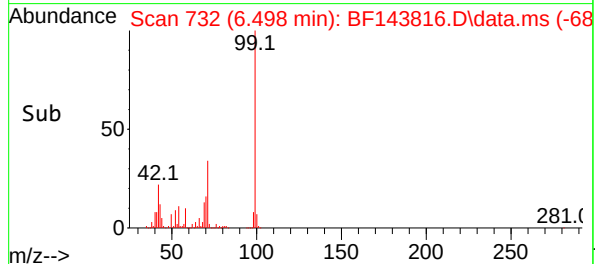
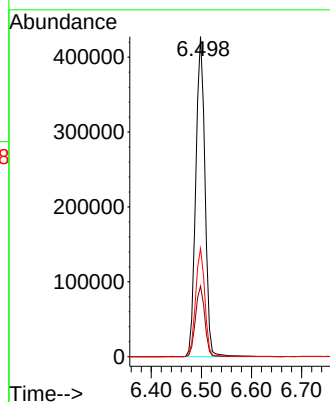
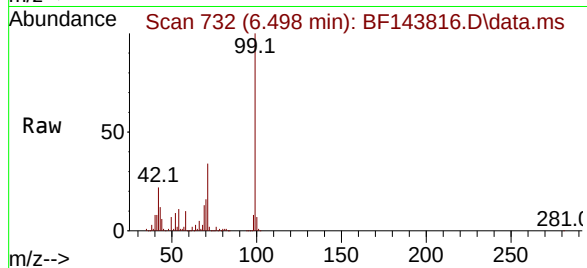




#7
Phenol-d6
Concen: 40.110 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

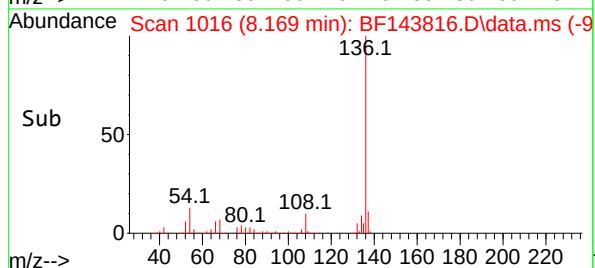
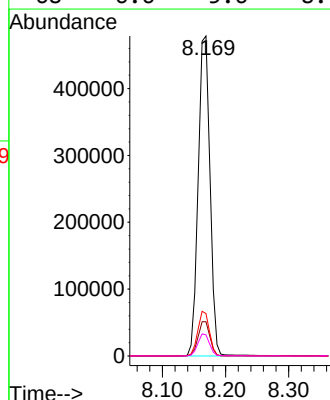
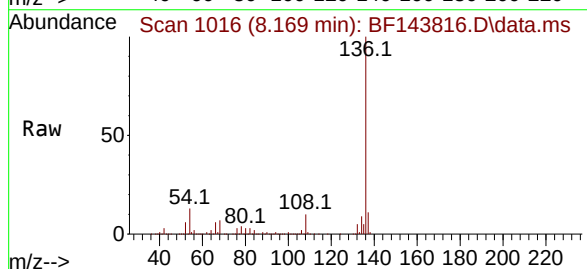
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

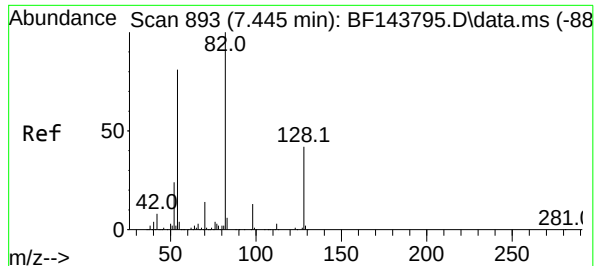
Tgt Ion: 99 Resp: 545797
Ion Ratio Lower Upper
99 100
42 22.1 18.6 28.0
71 33.8 27.0 40.4



#21
Naphthalene-d8
Concen: 40.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

Tgt Ion: 136 Resp: 623340
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 13.3 11.2 16.8
68 6.6 5.6 8.4





#23

Nitrobenzene-d5

Concen: 30.679 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF143816.D

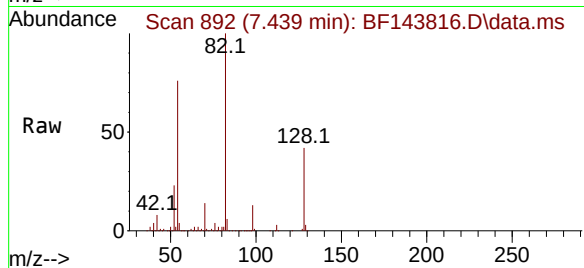
Acq: 25 Sep 2025 21:21

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01



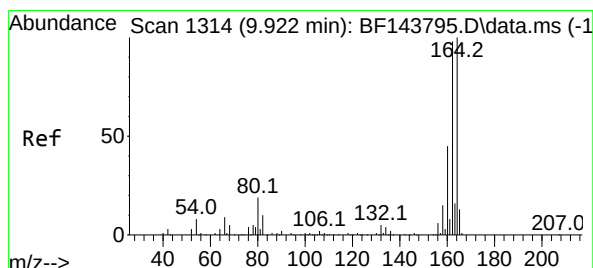
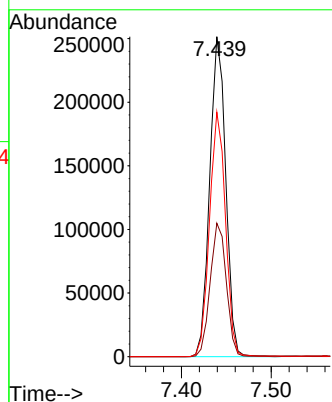
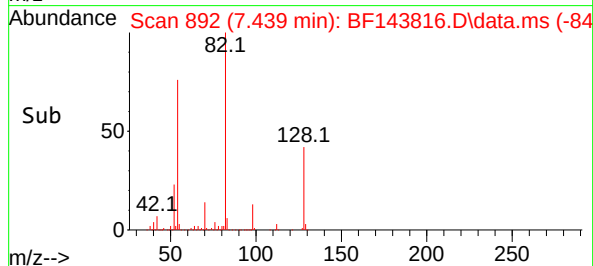
Tgt Ion: 82 Resp: 312415

Ion Ratio Lower Upper

82 100

128 41.7 33.3 49.9

54 76.4 64.2 96.4



#39

Acenaphthene-d10

Concen: 40.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF143816.D

Acq: 25 Sep 2025 21:21

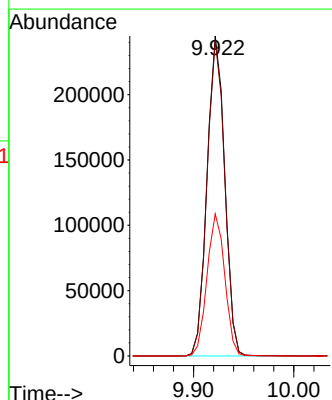
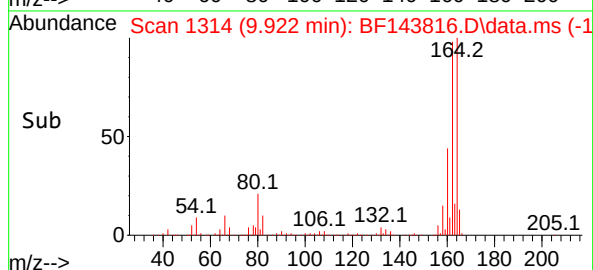
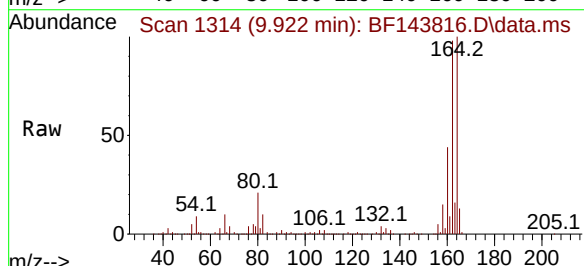
Tgt Ion: 164 Resp: 300615

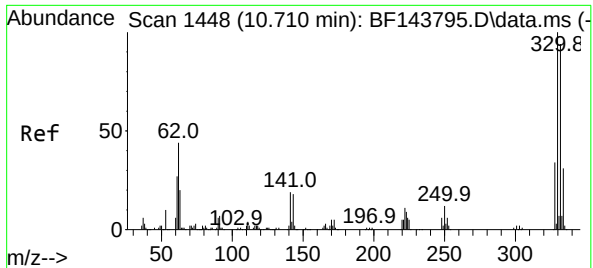
Ion Ratio Lower Upper

164 100

162 98.5 78.8 118.2

160 44.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 43.200 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143816.D

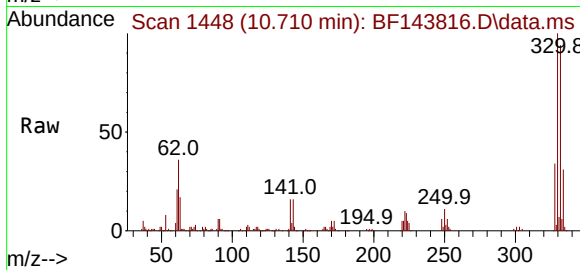
Acq: 25 Sep 2025 21:21

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01



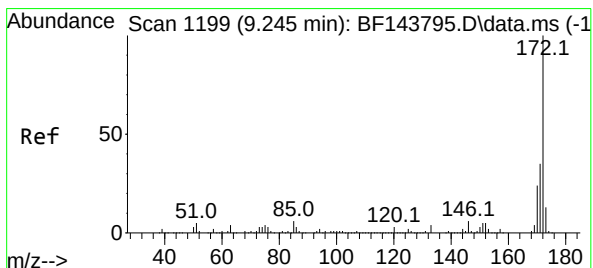
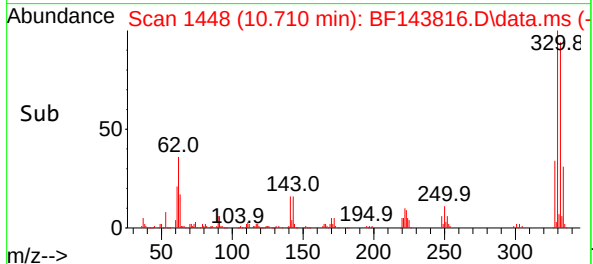
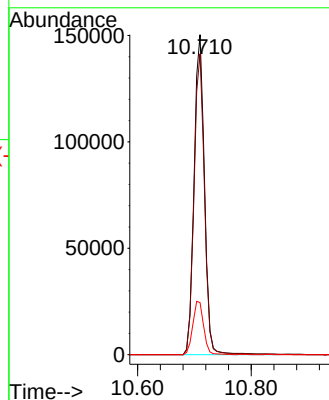
Tgt Ion:330 Resp: 192287

Ion Ratio Lower Upper

330 100

332 94.0 74.7 112.1

141 17.3 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 24.258 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143816.D

Acq: 25 Sep 2025 21:21

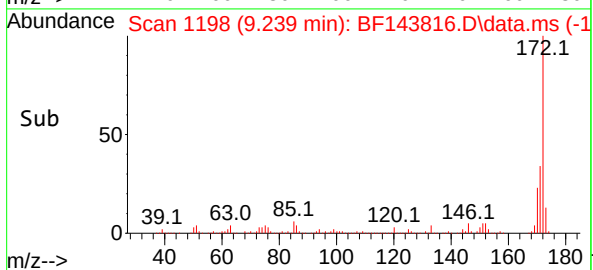
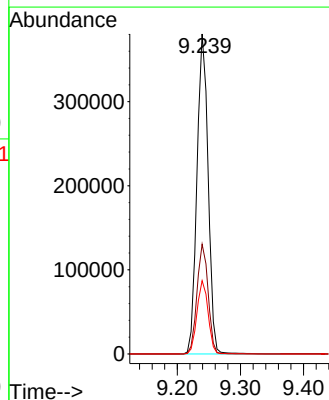
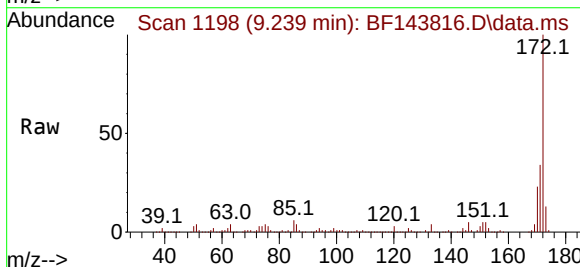
Tgt Ion:172 Resp: 467315

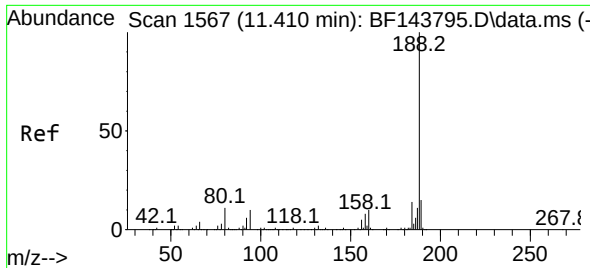
Ion Ratio Lower Upper

172 100

171 34.3 27.9 41.9

170 22.9 19.1 28.7

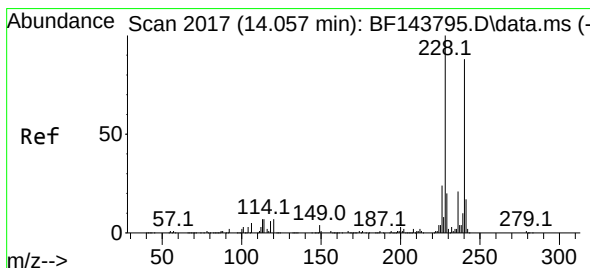
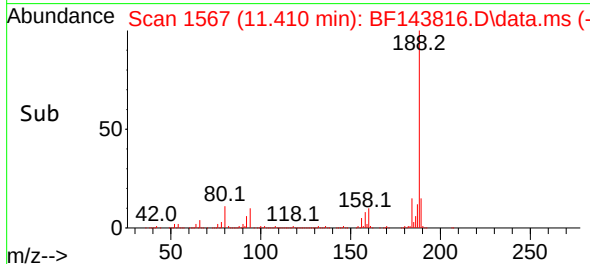
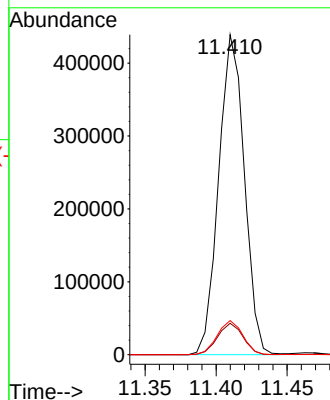
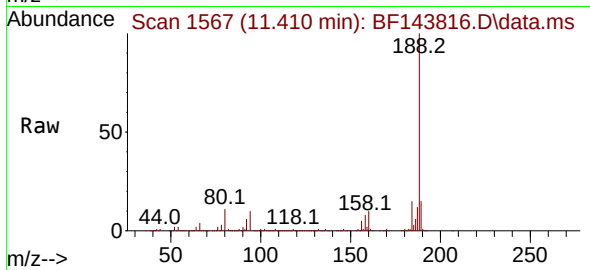




#64
Phenanthrene-d10
Concen: 40.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

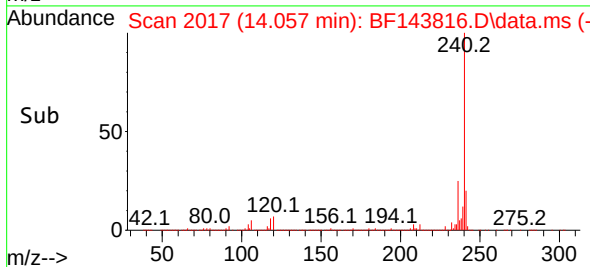
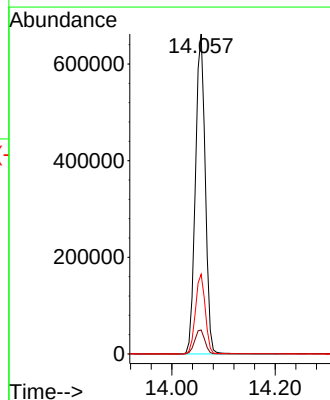
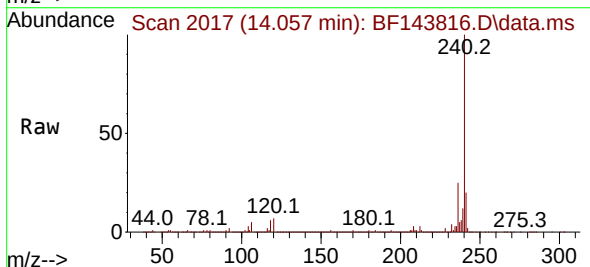
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

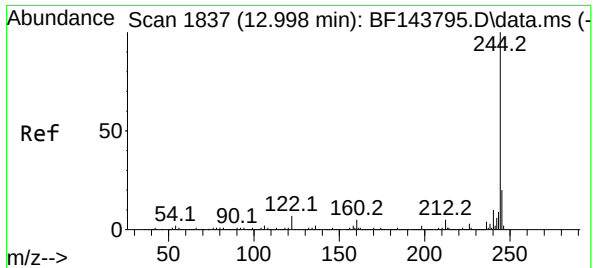
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.2	12.2
80	10.6	8.6	12.8



#76
Chrysene-d12
Concen: 40.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.2	9.4
236	24.9	19.4	29.2

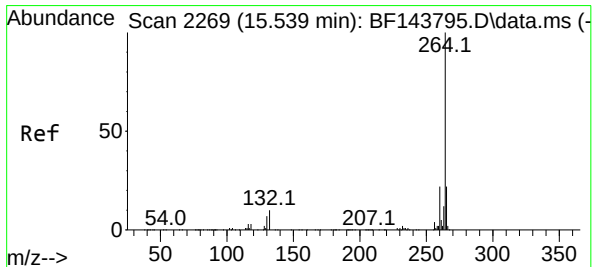
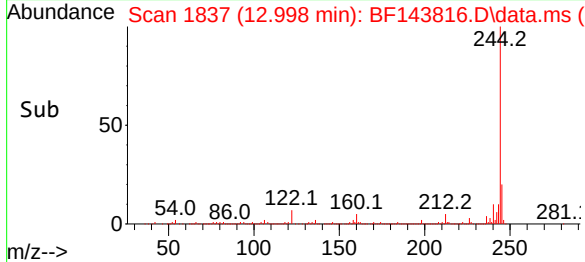
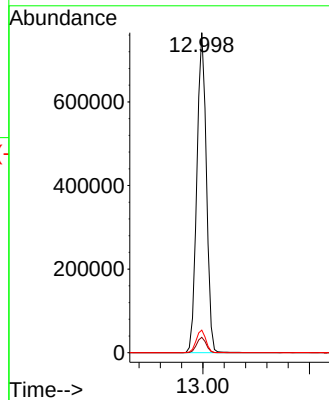
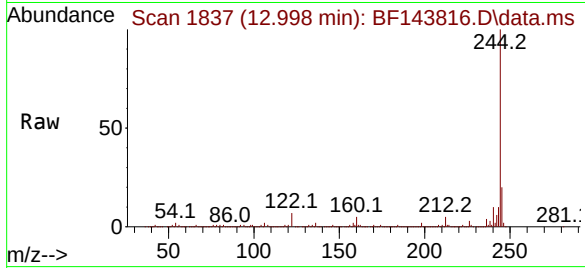




#79
Terphenyl-d14
Concen: 22.187 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

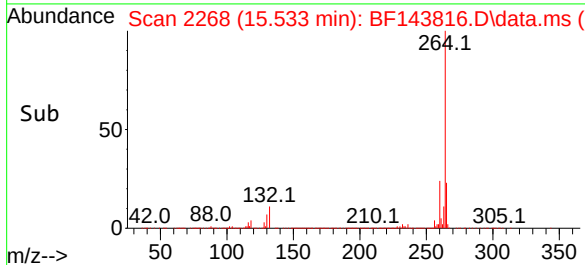
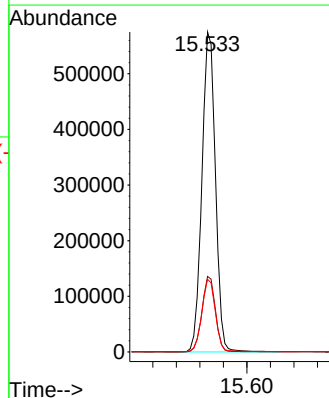
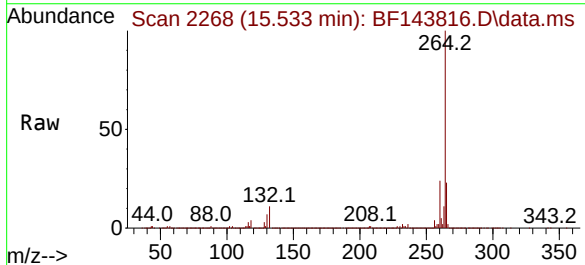
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

Tgt Ion:244 Resp: 952847
Ion Ratio Lower Upper
244 100
212 4.8 3.9 5.9
122 7.0 5.6 8.4



#86
Perylene-d12
Concen: 40.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143816.D
Acq: 25 Sep 2025 21:21

Tgt Ion:264 Resp: 916948
Ion Ratio Lower Upper
264 100
260 23.6 17.9 26.9
265 22.7 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143816.D
 Acq On : 25 Sep 2025 21:21
 Operator : RC/JU
 Sample : Q3178-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 EME-TS14-01

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143816.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.963	294	301	307	rBV	20753	32721	1.47%	0.140%
2	5.093	483	493	499	rBV2	29213	50727	2.27%	0.217%
3	5.493	555	561	576	rBV	1456533	1882316	84.40%	8.070%
4	6.498	726	732	745	rBV	1319854	1690831	75.82%	7.249%
5	6.887	792	798	803	rBV	946952	1185892	53.18%	5.084%
6	6.963	806	811	814	rBV	75047	94056	4.22%	0.403%
7	6.998	814	817	821	rVV	43961	52311	2.35%	0.224%
8	7.439	883	892	902	rBV	828176	1051863	47.17%	4.509%
9	8.163	1010	1015	1022	rBV	1007775	1314094	58.92%	5.634%
10	9.239	1193	1198	1203	rBV	1086192	1332545	59.75%	5.713%
11	9.322	1208	1212	1215	rBV	23162	32257	1.45%	0.138%
12	9.639	1262	1266	1272	rBV2	15288	26085	1.17%	0.112%
13	9.922	1309	1314	1319	rBV	1027572	1256524	56.34%	5.387%
14	10.633	1430	1435	1440	rBV	66408	82594	3.70%	0.354%
15	10.710	1442	1448	1458	rBV	861652	1144528	51.32%	4.907%
16	10.827	1465	1468	1478	rVB3	14388	27159	1.22%	0.116%
17	10.945	1484	1488	1494	rVB2	24590	34708	1.56%	0.149%
18	11.186	1524	1529	1537	rVB	61108	77018	3.45%	0.330%
19	11.410	1562	1567	1574	rVV	1085087	1407431	63.11%	6.034%
20	11.463	1574	1576	1582	rVB2	21491	28671	1.29%	0.123%
21	11.863	1639	1644	1648	rBV	42833	81274	3.64%	0.348%
22	11.939	1652	1657	1669	rVB2	258912	426031	19.10%	1.826%
23	12.492	1747	1751	1758	rVB8	20030	35581	1.60%	0.153%
24	12.621	1769	1773	1777	rBV	68395	104420	4.68%	0.448%
25	12.663	1777	1780	1786	rVV2	44174	74980	3.36%	0.321%
26	12.721	1786	1790	1803	rVV3	50450	101505	4.55%	0.435%
27	12.839	1805	1810	1828	rVB2	86308	227500	10.20%	0.975%
28	12.998	1831	1837	1842	rBV	1751039	2196153	98.48%	9.415%
29	13.233	1873	1877	1882	rBV2	27301	44397	1.99%	0.190%
30	13.445	1910	1913	1917	rBV3	19311	26032	1.17%	0.112%
31	13.574	1931	1935	1938	rVB	28802	35508	1.59%	0.152%
32	13.863	1978	1984	1988	rBV	348868	470015	21.08%	2.015%
33	13.904	1988	1991	1993	rBV2	38953	47731	2.14%	0.205%
34	14.057	2011	2017	2027	rVB	1594045	2230137	100.00%	9.561%
35	14.192	2036	2040	2043	rBV	184253	246767	11.07%	1.058%
36	14.227	2043	2046	2050	rVV	325458	456639	20.48%	1.958%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143816.D
Acq On : 25 Sep 2025 21:21
Operator : RC/JU
Sample : Q3178-01
Misc :
ALS Vial : 15 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

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-BF092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.280	2053	2055	2063	rVB	120253	144584	6.48%	0.620%
38	14.521	2093	2096	2100	rBV	65175	86678	3.89%	0.372%
39	14.574	2101	2105	2111	rVV2	69781	115644	5.19%	0.496%
40	14.815	2142	2146	2158	rBV3	122636	271061	12.15%	1.162%
41	14.915	2159	2163	2170	rVB2	58793	92882	4.16%	0.398%
42	15.098	2190	2194	2203	rBV	67903	152322	6.83%	0.653%
43	15.180	2204	2208	2216	rVB	106193	162319	7.28%	0.696%
44	15.533	2262	2268	2281	rVB	1313291	2163449	97.01%	9.275%
45	16.015	2346	2350	2356	rVB	42132	68197	3.06%	0.292%
46	16.462	2421	2426	2434	rBV3	105168	209229	9.38%	0.897%
47	17.204	2548	2552	2559	rVB3	47583	92645	4.15%	0.397%
48	17.686	2628	2634	2638	rBV6	60009	158080	7.09%	0.678%

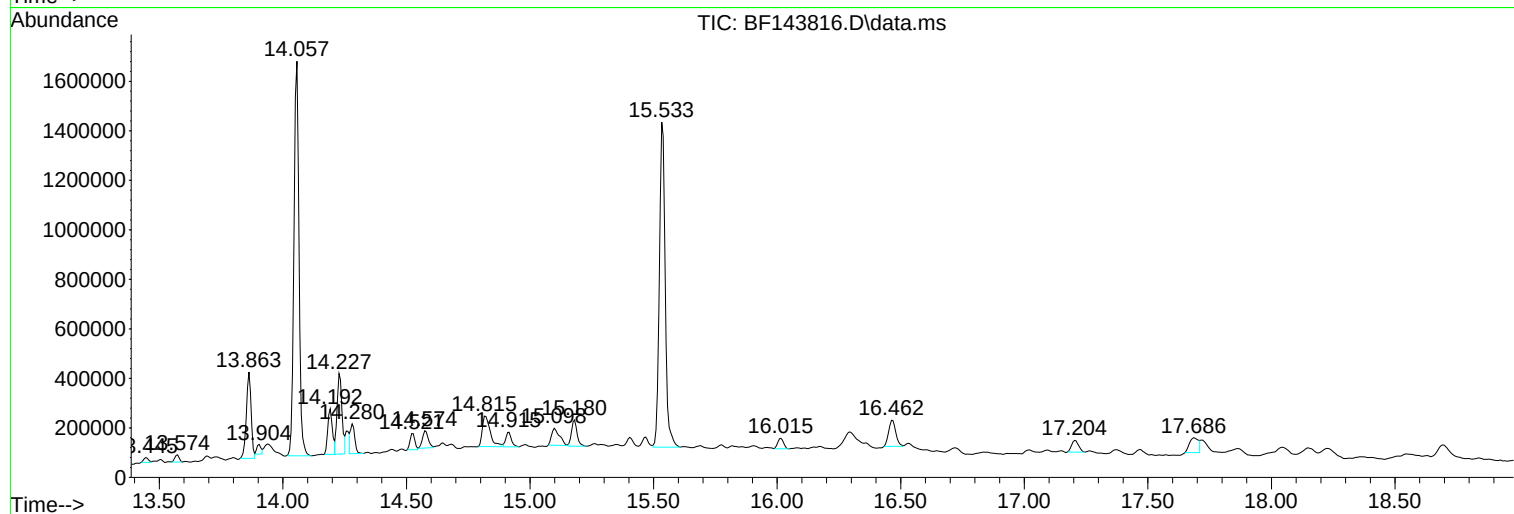
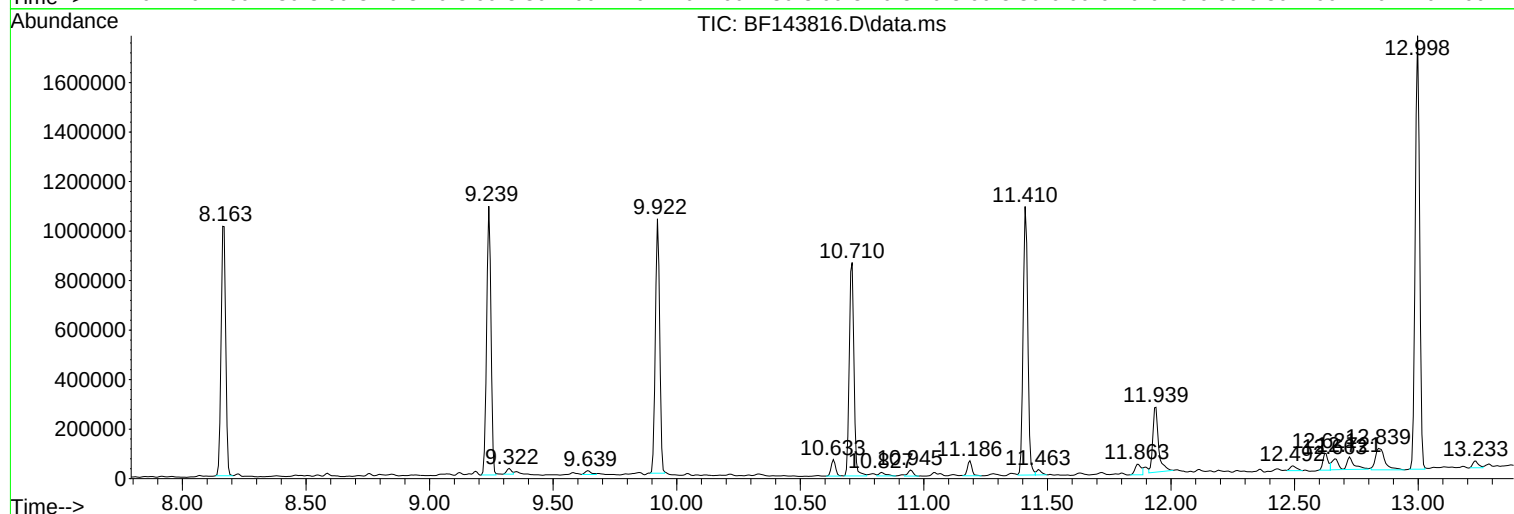
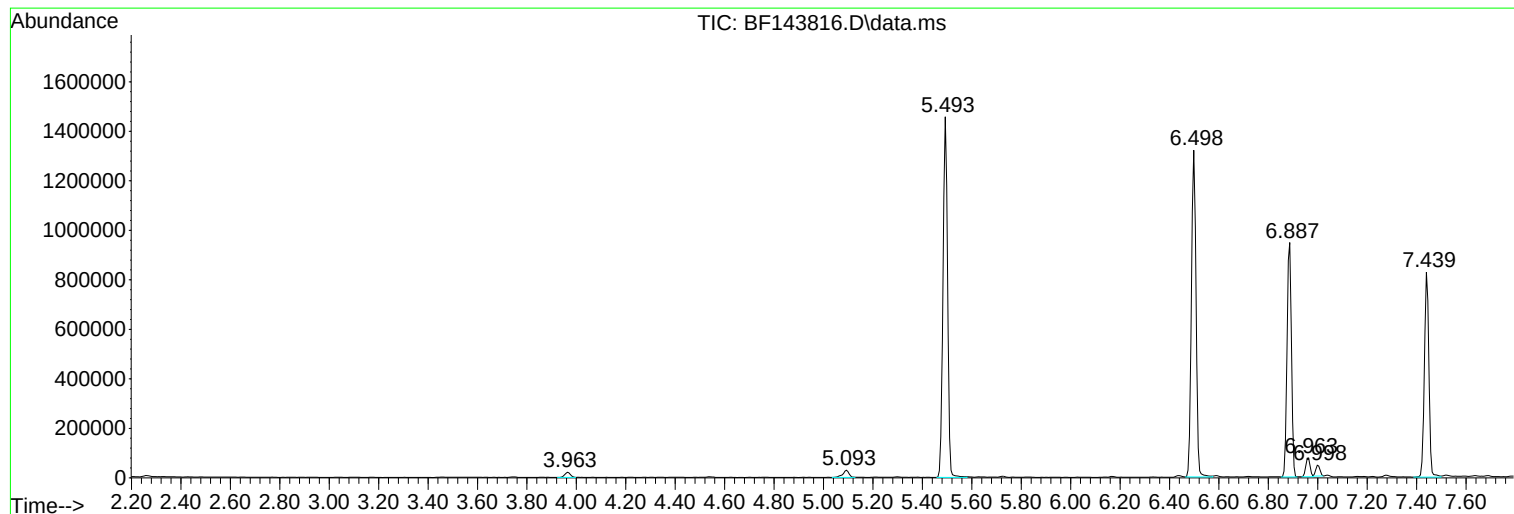
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143816.D
Acq On : 25 Sep 2025 21:21
Operator : RC/JU
Sample : Q3178-01
Misc :
ALS Vial : 15 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.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\BF092525\
Data File : BF143816.D
Acq On : 25 Sep 2025 21:21
Operator : RC/JU
Sample : Q3178-01
Misc :
ALS Vial : 15 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

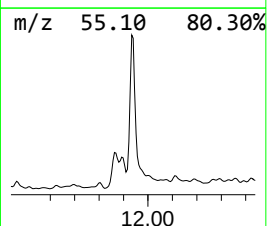
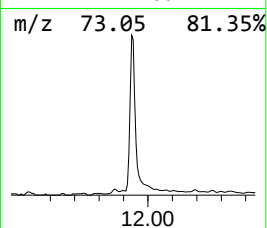
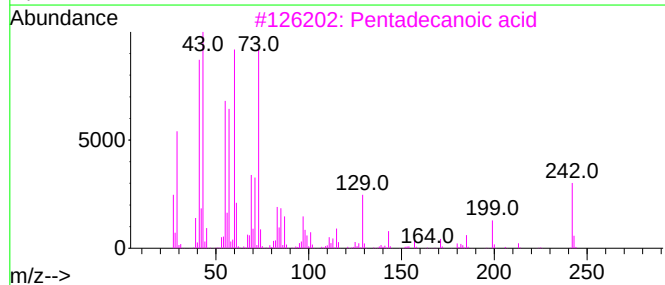
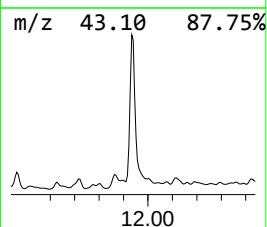
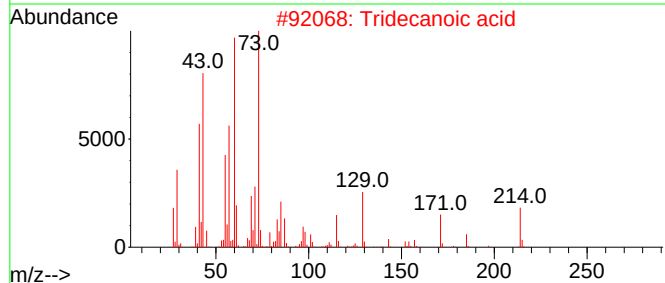
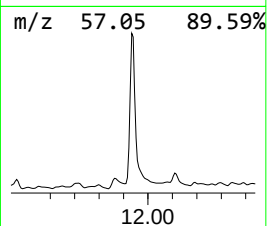
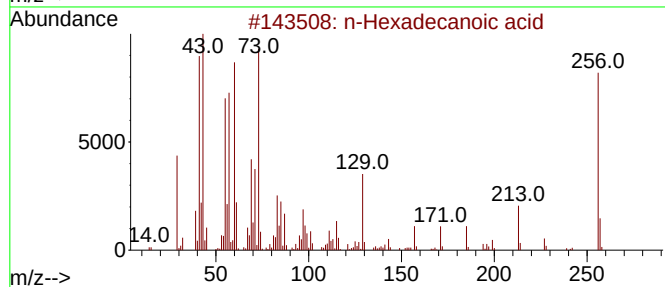
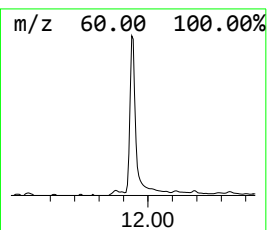
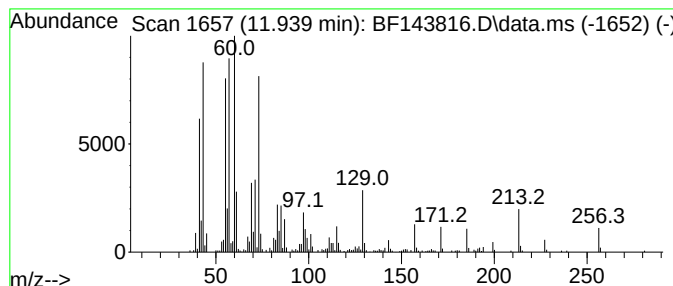
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	6.05 ng	426031	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	64
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4			Dodecanoic acid	200	C12H24O2	000143-07-7	53
5			Octanoic acid	144	C8H16O2	000124-07-2	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143816.D
Acq On : 25 Sep 2025 21:21
Operator : RC/JU
Sample : Q3178-01
Misc :
ALS Vial : 15 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

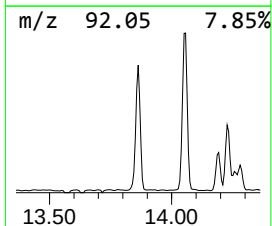
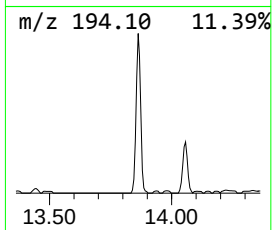
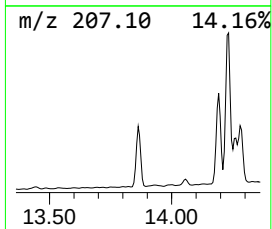
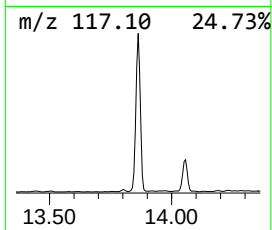
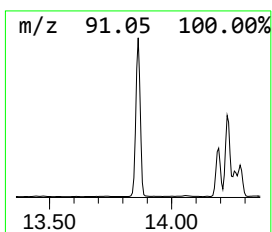
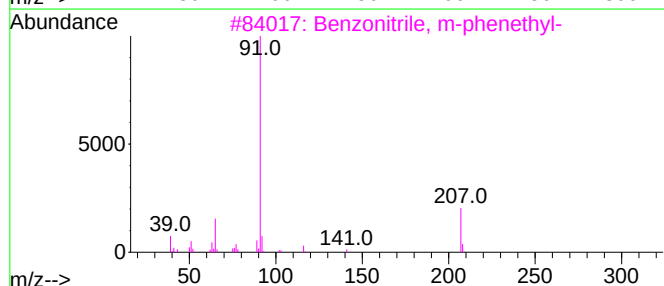
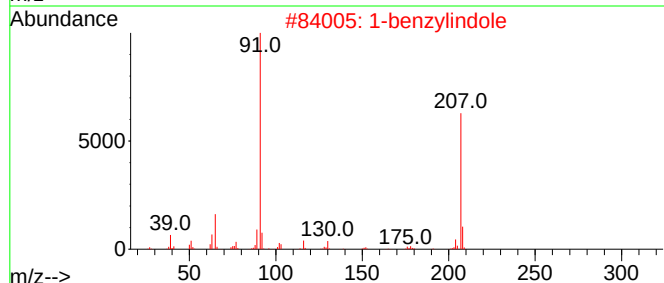
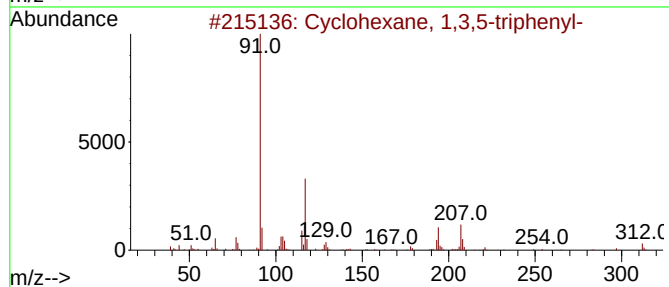
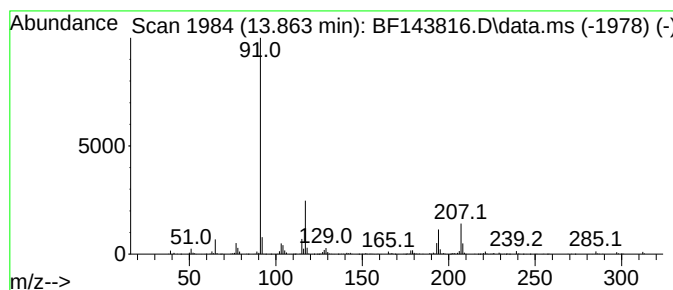
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Cyclohexane, 1,3,5-triphenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.863	4.22 ng	470015	Chrysene-d12	14.057

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-triphenyl-	312	C24H24	028336-57-4	86
2			1-benzylindole	207	C15H13N	1000334-31-3	25
3			Benzonitrile, m-phenethyl-	207	C15H13N	034176-91-5	16
4			(R)-(1-Cyclopentylpropane-1,3-di...	264	C20H24	1402851-74-4	16
5			Salicylic acid, trimethylsilyl e...	300	C17H20O3Si	1000463-82-7	14



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143816.D
Acq On : 25 Sep 2025 21:21
Operator : RC/JU
Sample : Q3178-01
Misc :
ALS Vial : 15 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

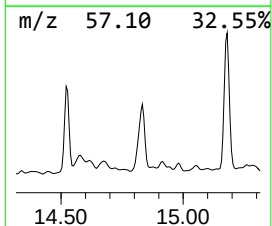
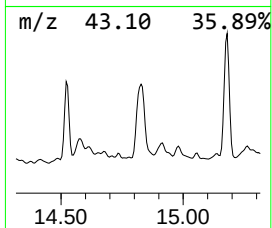
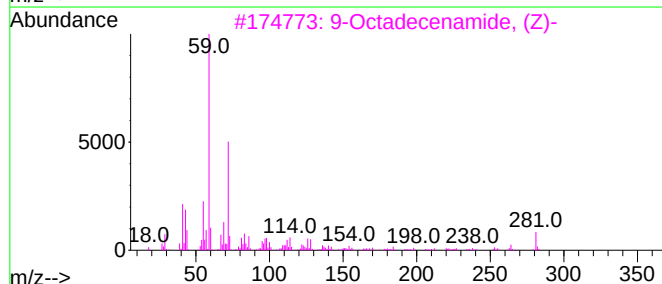
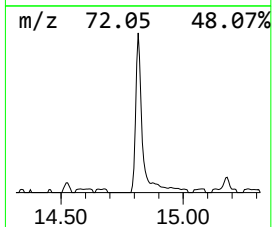
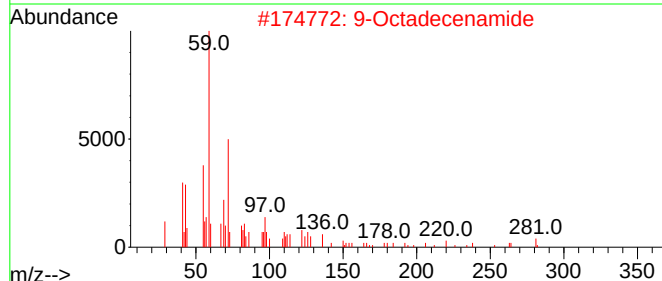
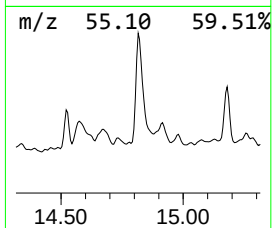
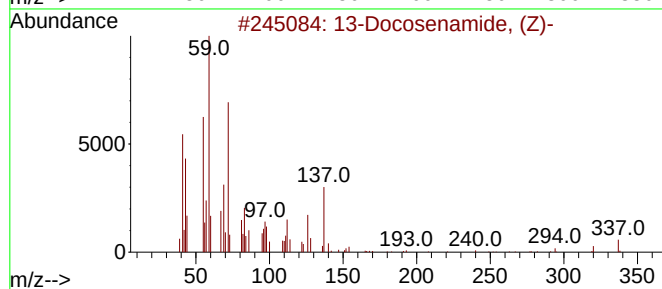
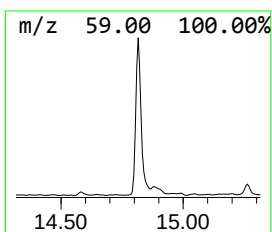
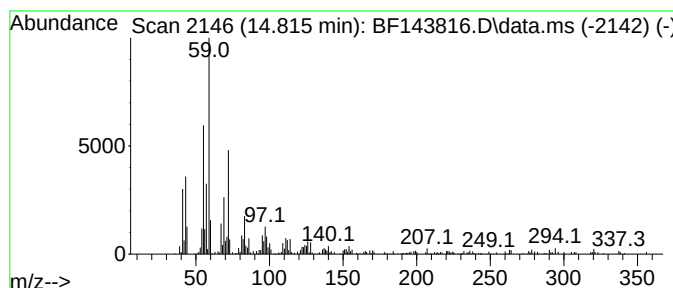
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 13-Docosenamide, (Z)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.815	2.51 ng	271061	Perylene-d12	15.533

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	91
2			9-Octadecenamide	281	C18H35NO	003322-62-1	78
3			9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	72
4			Octadecanamide	283	C18H37NO	000124-26-5	72
5			Dodecanamide	199	C12H25NO	001120-16-7	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143816.D
Acq On : 25 Sep 2025 21:21
Operator : RC/JU
Sample : Q3178-01
Misc :
ALS Vial : 15 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
EME-TS14-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
n-Hexadecanoic ...	11.939	6.0	ng	426031	4	11.410	1407430	20.0
Cyclohexane, 1,...	13.863	4.2	ng	470015	5	14.057	2230140	20.0
13-Docosenamide...	14.815	2.5	ng	271061	6	15.533	2163450	20.0



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF092325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Sep 24 05:00:00 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143791.D 5 =BF143792.D 10 =BF143793.D 20 =BF143794.D 40 =BF143795.D 50 =BF143796.D 60 =BF143797.D 80 =BF143798.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.594	0.575	0.598	0.640	0.558	0.582	0.577	0.589		4.40
3)	Pyridine	1.585	1.522	1.624	1.724	1.535	1.603	1.541	1.590		4.40
4)	n-Nitrosodimet...		0.744	0.812	0.851	0.775	0.818	0.785	0.797		4.71
5) S	2-Fluorophenol		1.258	1.326	1.329	1.156	1.193	1.124	1.231		7.08
6)	Aniline	2.283	2.120	2.158	2.145	1.940	1.978	1.826	2.064		7.55
7) S	Phenol-d6		1.507	1.530	1.523	1.336	1.371	1.267	1.422		7.90
8)	2-Chlorophenol	1.304	1.254	1.329	1.335	1.209	1.244	1.146	1.260		5.45
9)	Benzaldehyde		1.066	0.952	1.467	1.327	1.538	1.123	1.246		18.81
10) C	Phenol	1.762	1.708	1.737	1.748	1.534	1.622	1.463	1.653		7.07
11)	bis(2-Chloroet...	1.387	1.321	1.347	1.367	1.223	1.270	1.156	1.296		6.47
12)	1,3-Dichlorobe...	1.622	1.493	1.556	1.544	1.345	1.385	1.297	1.463		8.34
13) C	1,4-Dichlorobe...	1.634	1.496	1.549	1.537	1.339	1.380	1.287	1.460		8.68
14)	1,2-Dichlorobe...	1.558	1.407	1.465	1.449	1.277	1.309	1.215	1.383		8.73
15)	Benzyl Alcohol		1.022	1.074	1.088	1.004	1.042	0.936	1.028		5.32
16)	2,2'-oxybis(1-...	3.320	3.136	3.224	3.231	2.896	2.966	2.738	3.073		6.87
17)	2-Methylphenol	1.033	0.990	1.009	1.021	0.938	0.959	0.880	0.976		5.52
18)	Hexachloroethane	0.555	0.512	0.543	0.543	0.482	0.493	0.468	0.514		6.60
19) P	n-Nitroso-di-n...	1.078	0.991	0.932	0.926	0.914	0.842	0.869	0.764	0.915	10.34
20)	3+4-Methylphenols		1.292	1.256	1.274	1.137	1.147	1.023	1.188		8.78
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.500	0.466	0.468	0.463	0.401	0.404	0.373	0.439		10.54
23) S	Nitrobenzene-d5		0.309	0.339	0.353	0.322	0.330	0.308	0.327		5.40
24)	Nitrobenzene	0.362	0.354	0.369	0.389	0.357	0.361	0.342	0.362		3.96
25)	Isophorone	0.667	0.636	0.649	0.673	0.624	0.634	0.575	0.637		5.11
26) C	2-Nitrophenol	0.089	0.104	0.125	0.148	0.150	0.156	0.150	0.132		20.10
27)	2,4-Dimethylph...	0.292	0.280	0.291	0.303	0.280	0.286	0.261	0.285		4.65
28)	bis(2-Chloroet...	0.455	0.430	0.430	0.437	0.393	0.392	0.360	0.414		8.03
29) C	2,4-Dichloroph...	0.277	0.286	0.288	0.298	0.273	0.278	0.260	0.280		4.37
30)	1,2,4-Trichlor...	0.314	0.288	0.304	0.309	0.275	0.279	0.264	0.291		6.52
31)	Naphthalene	1.058	1.021	1.020	1.003	0.887	0.888	0.826	0.957		9.26
32)	Benzoic acid		0.124	0.091	0.140	0.148	0.159	0.161	0.137		19.26
33)	4-Chloroaniline	0.360	0.347	0.353	0.355	0.323	0.323	0.295	0.336		7.04
34) C	Hexachlorobuta...	0.227	0.219	0.223	0.233	0.206	0.210	0.199	0.217		5.64
35)	Caprolactam		0.066	0.069	0.075	0.074	0.076	0.070	0.072		5.47
36) C	4-Chloro-3-met...	0.271	0.260	0.271	0.276	0.261	0.262	0.238	0.263		4.81
37)	2-Methylnaphth...	0.685	0.650	0.643	0.635	0.568	0.572	0.521	0.611		9.49
38)	1-Methylnaphth...	0.656	0.618	0.610	0.612	0.550	0.550	0.496	0.584		9.36

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF092325.M

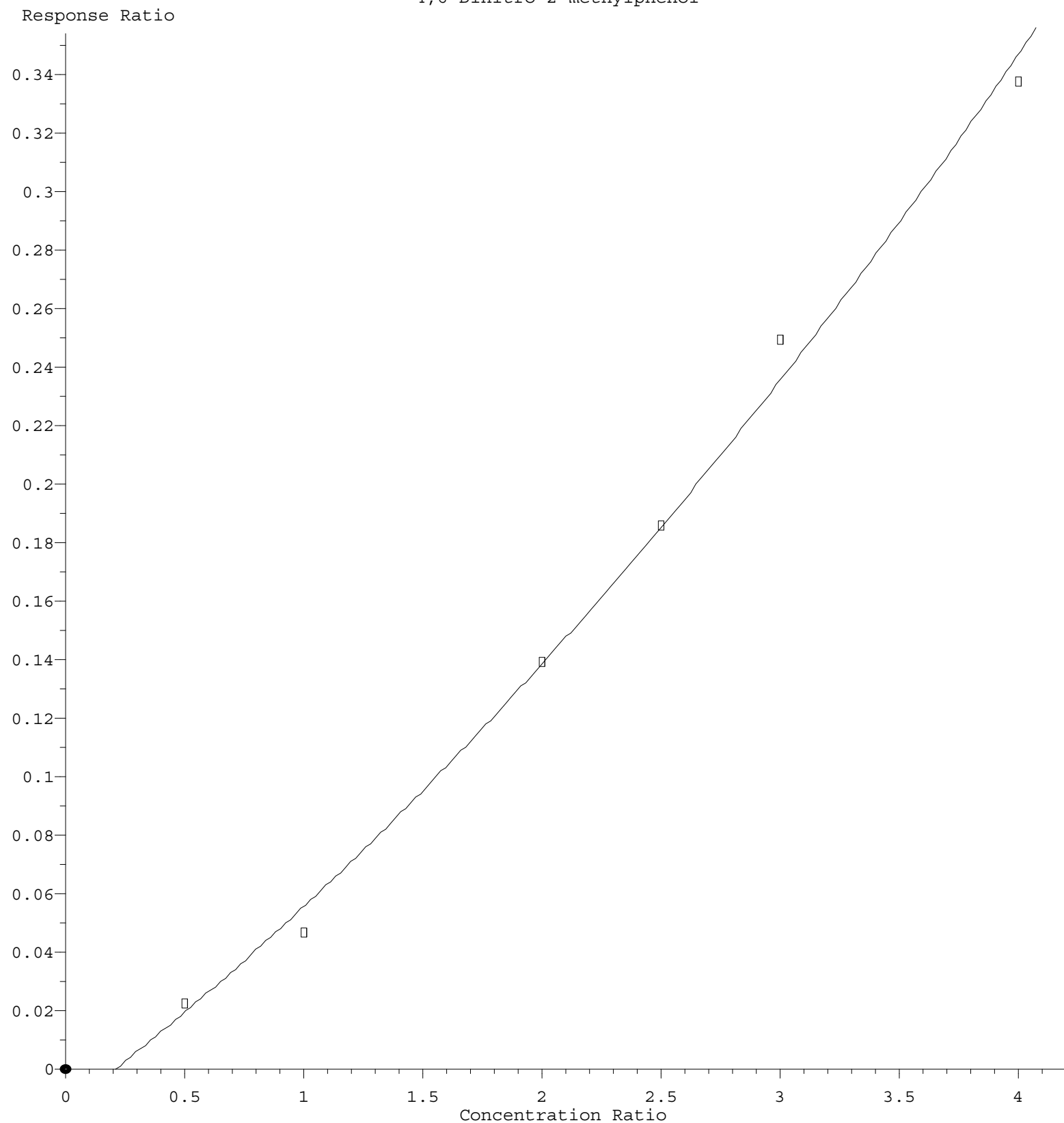
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.657	0.634	0.636	0.628	0.559	0.562	0.549	0.604	7.43	
41) P	Hexachlorocycl...	0.336	0.371	0.418	0.382	0.401	0.387	0.383		7.32	
42) S	2,4,6-Tribromo...	0.303	0.324	0.328	0.281	0.275	0.266	0.296		8.83	
43) C	2,4,6-Trichlor...	0.344	0.358	0.386	0.422	0.379	0.392	0.365	0.378	6.71	
44)	2,4,5-Trichlor...	0.371	0.391	0.419	0.423	0.380	0.402	0.381	0.395	5.09	
45) S	2-Fluorobiphenyl	1.476	1.460	1.351	1.154	1.153	1.096	1.282		13.12	
46)	1,1'-Biphenyl	1.608	1.541	1.564	1.495	1.331	1.326	1.269	1.448	9.37	
47)	2-Chloronaphth...	1.283	1.223	1.243	1.215	1.077	1.080	1.036	1.165	8.38	
48)	2-Nitroaniline	0.241	0.305	0.355	0.400	0.380	0.400	0.386	0.352	16.77	
49)	Acenaphthylene	1.729	1.659	1.700	1.691	1.499	1.513	1.440	1.604	7.27	
50)	Dimethylphthalate	1.275	1.233	1.252	1.286	1.173	1.191	1.122	1.219	4.87	
51)	2,6-Dinitrotol...	0.138	0.161	0.198	0.228	0.224	0.231	0.221	0.200	18.41	
52) C	Acenaphthene	1.134	1.121	1.123	1.109	0.974	0.976	0.953	1.056	7.87	
53)	3-Nitroaniline	0.171	0.210	0.245	0.283	0.259	0.267	0.264	0.243	16.09	
54) P	2,4-Dinitrophenol	0.052	0.040	0.063	0.066	0.076	0.084	0.064		25.20	
55)	Dibenzofuran	1.649	1.551	1.590	1.561	1.377	1.392	1.329	1.493	8.32	
56) P	4-Nitrophenol	0.197	0.169	0.208	0.193	0.197	0.210	0.196		7.39	
57)	2,4-Dinitrotol...	0.151	0.210	0.254	0.307	0.295	0.308	0.300	0.261	23.18	
58)	Fluorene	1.275	1.210	1.190	1.147	1.005	0.986	0.956	1.110	11.33	
59)	2,3,4,6-Tetrac...	0.272	0.309	0.349	0.373	0.355	0.361	0.352	0.339	10.45	
60)	Diethylphthalate	1.158	1.170	1.174	1.211	1.100	1.109	1.066	1.141	4.44	
61)	4-Chlorophenyl...	0.621	0.592	0.601	0.590	0.528	0.524	0.504	0.566	8.09	
62)	4-Nitroaniline	0.162	0.204	0.228	0.264	0.242	0.243	0.255	0.228	15.32	
63)	Azobenzene	1.260	1.221	1.246	1.279	1.148	1.163	1.101	1.203	5.49	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.045	0.047	0.070	0.074	0.083	0.084	0.067		25.99	
66) c	n-Nitrosodiphe...	0.707	0.675	0.688	0.682	0.621	0.637	0.594	0.658	6.27	
67)	4-Bromophenyl-...	0.344	0.333	0.349	0.361	0.334	0.342	0.324	0.341	3.52	
68)	Hexachlorobenzene	0.492	0.470	0.488	0.492	0.447	0.461	0.437	0.470	4.80	
69)	Atrazine	0.178	0.191	0.198	0.211	0.186	0.187	0.183	0.190	5.63	
70) C	Pentachlorophenol	0.180	0.216	0.256	0.239	0.254	0.259	0.234		13.17	
71)	Phenanthrene	1.145	1.066	1.071	1.082	0.948	0.954	0.921	1.027	8.27	
72)	Anthracene	1.096	1.069	1.088	1.083	0.965	0.963	0.945	1.030	6.65	
73)	Carbazole	0.916	0.931	0.949	0.976	0.839	0.846	0.847	0.901	6.23	
74)	Di-n-butylphth...	0.940	1.008	1.075	1.157	1.019	1.019	1.031	1.036	6.45	
75) C	Fluoranthene	1.019	1.046	1.099	1.144	0.953	0.956	1.012	1.033	6.83	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.438	0.444	0.511	0.571	0.553	0.407	0.487		13.78	
78)	Pyrene	1.038	0.982	0.991	1.005	0.990	1.011	0.867	0.983	5.54	
79) S	Terphenyl-d14	1.044	1.013	1.022	0.981	0.989	0.852	0.983		6.95	
80)	Butylbenzylpht...	0.251	0.298	0.335	0.391	0.367	0.381	0.358	0.340	14.74	
81)	Benzo(a)anthra...	1.109	1.081	1.083	1.148	1.040	1.065	0.995	1.074	4.55	
82)	3,3'-Dichlorob...	0.426	0.465	0.497	0.459	0.480	0.466	0.465		5.06	
83)	Chrysene	1.041	0.985	0.996	1.018	0.909	0.941	0.916	0.972	5.25	
84)	Bis(2-ethylhex...	0.428	0.477	0.514	0.558	0.505	0.516	0.492	0.499	8.01	
85) c	Di-n-octyl pht...	0.767	0.877	1.013	0.902	0.937	0.930	0.905		9.00	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF092325.M

		-----ISTD-----										
86) I	Perylene-d12											
87)	Indeno(1,2,3-c...	1.483	1.426	1.580	1.608	1.509	1.548	1.468	1.517		4.26	
88)	Benzo(b)fluora...	0.987	1.004	1.029	1.104	1.002	1.002	1.000	1.018		3.91	
89)	Benzo(k)fluora...	1.061	1.004	1.079	1.089	0.996	1.029	0.905	1.023		6.18	
90) C	Benzo(a)pyrene	0.928	0.920	0.989	1.027	0.949	0.971	0.918	0.957		4.25	
91)	Dibenzo(a,h)an...	1.207	1.187	1.302	1.332	1.237	1.257	1.166	1.241		4.87	
92)	Benzo(g,h,i)pe...	1.134	1.116	1.234	1.279	1.200	1.244	1.168	1.196		5.01	

(#) = Out of Range

4,6-Dinitro-2-methylphenol



$$R = 7.095e-003 A^2 + 6.161e-002 A - 1.313e-002$$

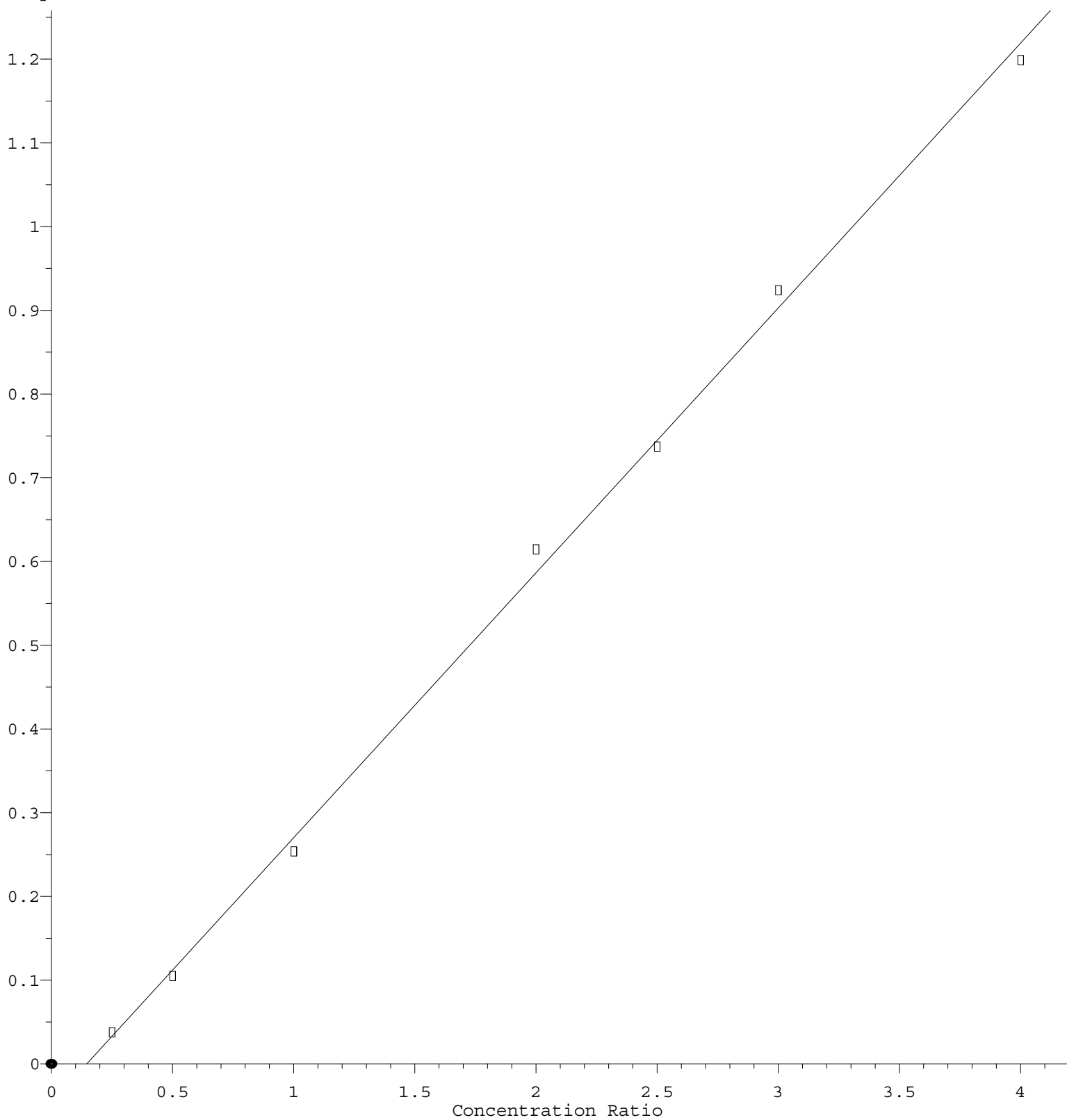
Coef of Det (r^2) = 0.995418 Curve Fit: Quadratic w(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF092325.M

Calibration Table Last Updated: Wed Sep 24 05:00:00 2025

2,4-Dinitrotoluene

Response Ratio



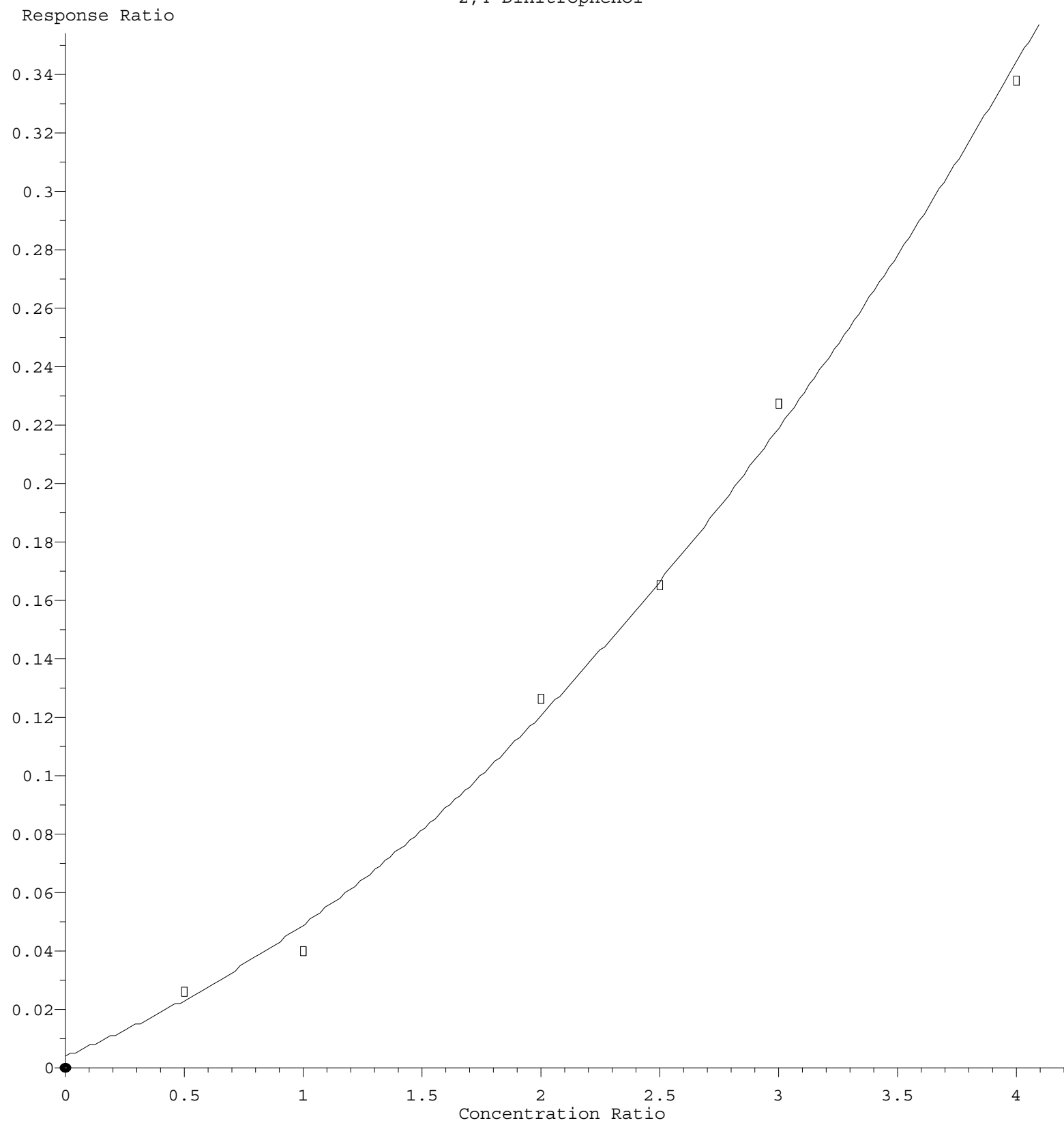
$$\text{Response} = 3.165\text{e-}001 * \text{Amt} - 4.621\text{e-}002$$

Coef of Det (r^2) = 0.998498 Curve Fit: wlr(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF092325.M

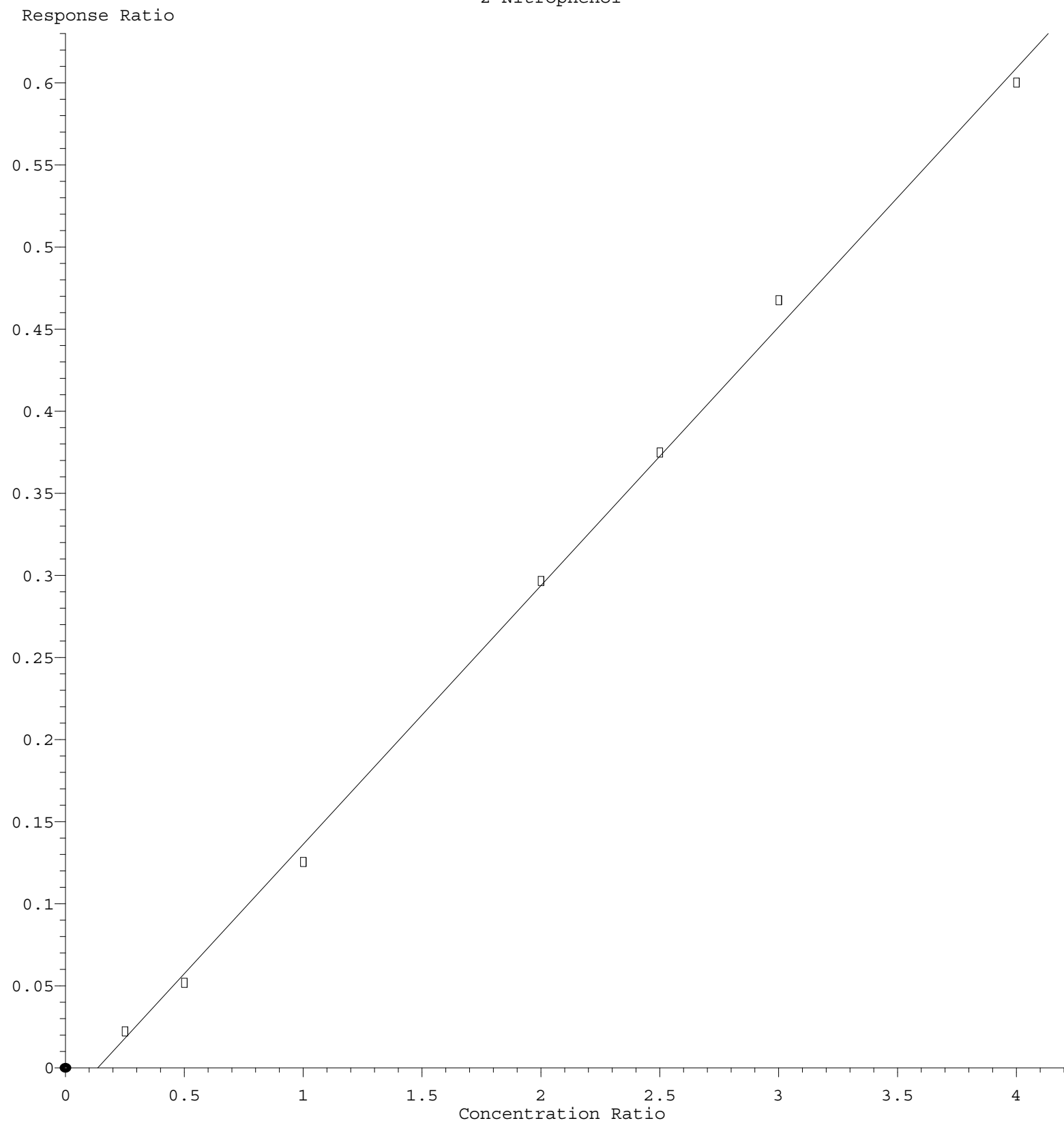
Calibration Table Last Updated: Wed Sep 24 05:00:00 2025

2,4-Dinitrophenol



$R = 1.334e-002 A^2 + 3.164e-002 A + 4.049e-003$
 Coef of Det (r^2) = 0.995804 Curve Fit: Quadratic w(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF092325.M
 Calibration Table Last Updated: Wed Sep 24 05:00:00 2025

2-Nitrophenol



Response = 1.576e-001 * Amt - 2.138e-002
 Coef of Det (r^2) = 0.998054 Curve Fit: wlr(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF092325.M
 Calibration Table Last Updated: Wed Sep 24 05:00:00 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
Data File : BF143791.D
Acq On : 23 Sep 2025 10:28
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Sep 23 17:06:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:31:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

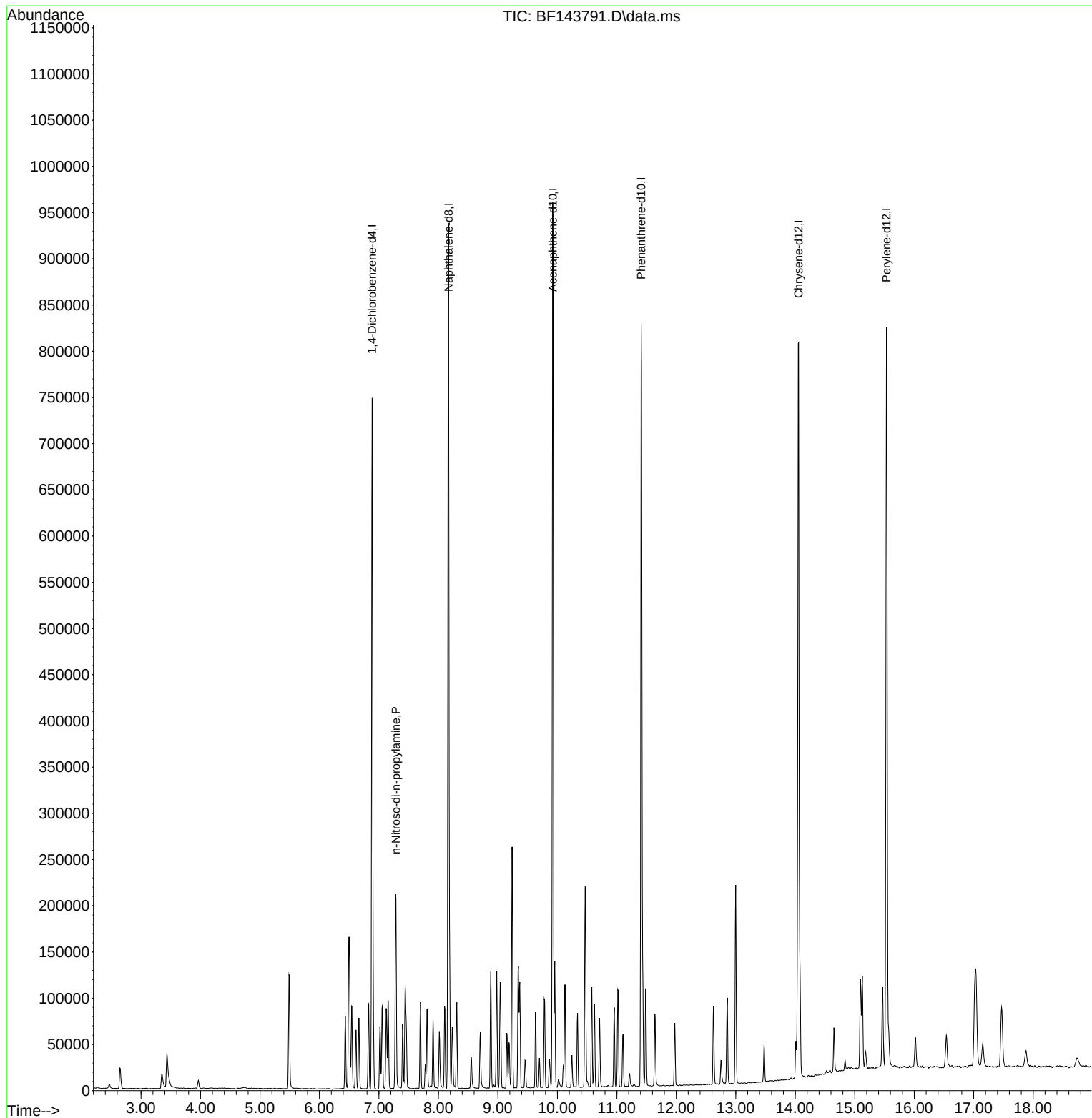
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	142727	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	546391	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	280335	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	422227	20.000	ng	0.00
76) Chrysene-d12	14.057	240	419162	20.000	ng	0.00
86) Perylene-d12	15.533	264	547725	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.286	70	19227	2.946	ng	96

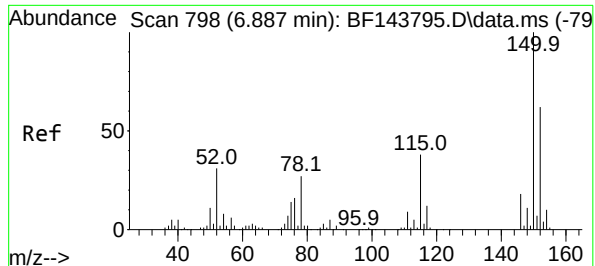
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
Data File : BF143791.D
Acq On : 23 Sep 2025 10:28
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Sep 23 17:06:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:31:21 2025
Response via : Initial Calibration

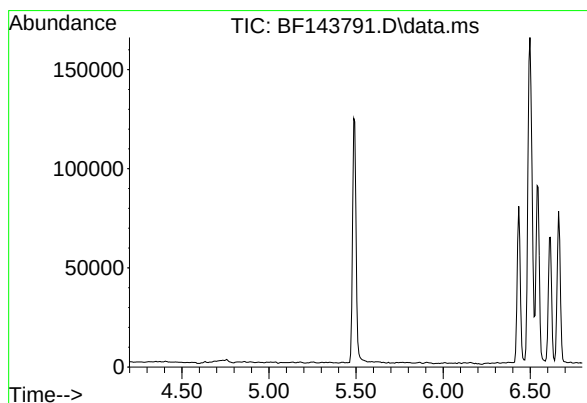
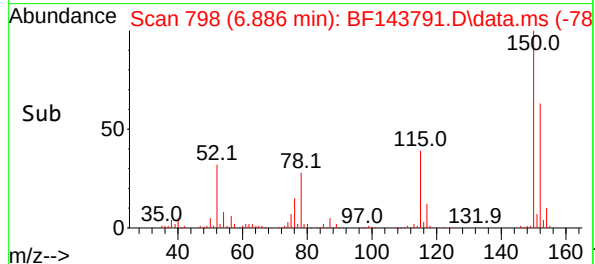
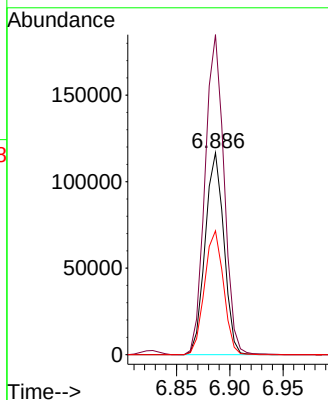
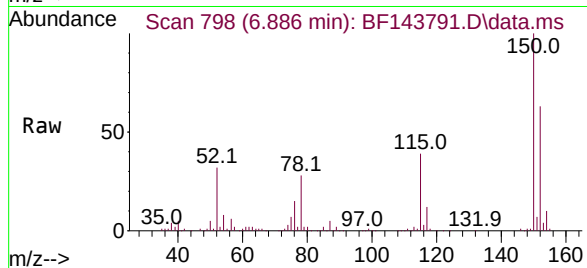




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 79
Delta R.T. -0.001 min
Lab File: BF143791.D
Acq: 23 Sep 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

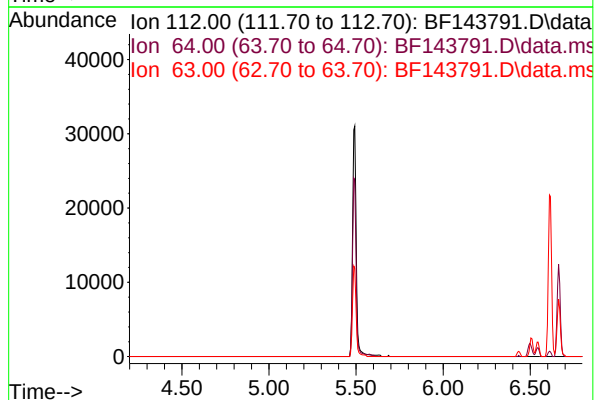
Tgt Ion:152 Resp: 142727
Ion Ratio Lower Upper
152 100
150 158.5 129.6 194.4
115 61.3 49.0 73.4

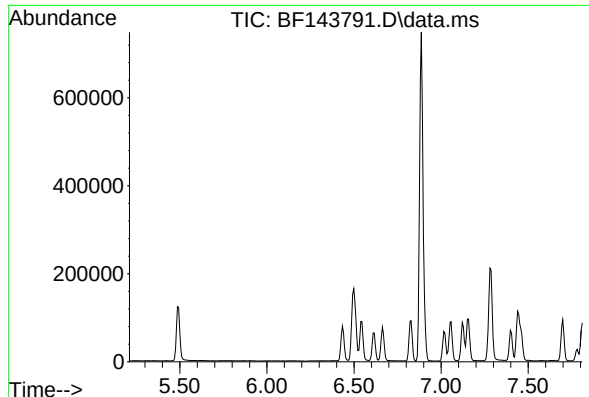


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

Lab File: BF143791.D
Acq: 23 Sep 2025 10:28

Tgt Ion: 112
Sig Exp Ratio
112 100
64 78.7
63 40.8





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.51 min

Lab File: BF143791.D

Acq: 23 Sep 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

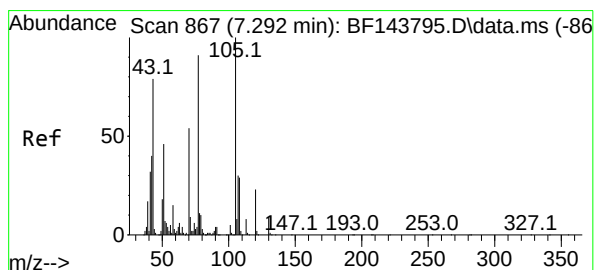
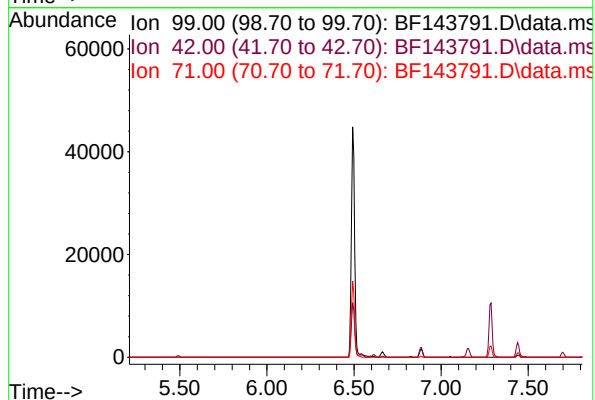
Tgt Ion: 99

Sig Exp Ratio

99 100

42 23.3

71 33.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.946 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.018 min

Lab File: BF143791.D

Acq: 23 Sep 2025 10:28

Tgt Ion: 70 Resp: 19227

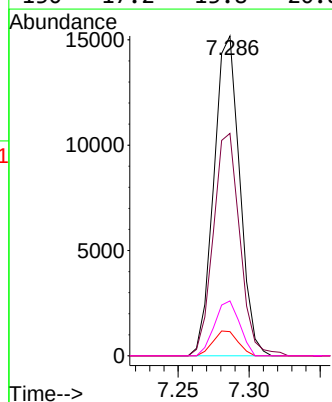
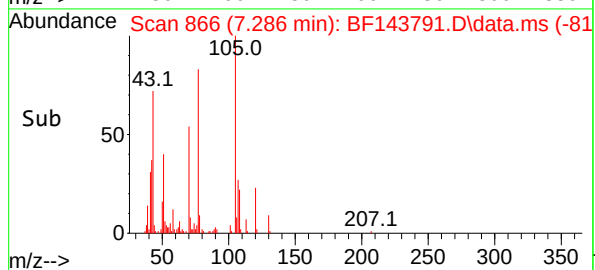
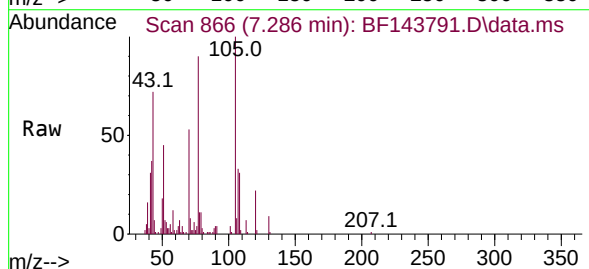
Ion Ratio Lower Upper

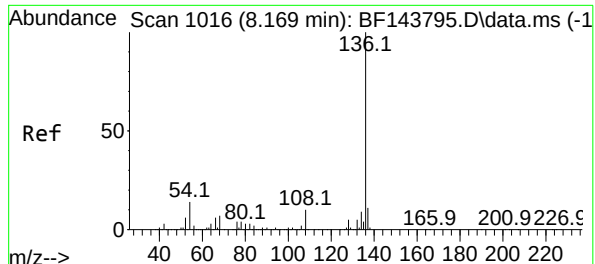
70 100

42 69.5 59.4 89.0

101 7.6 7.1 10.7

130 17.2 13.8 20.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF143791.D

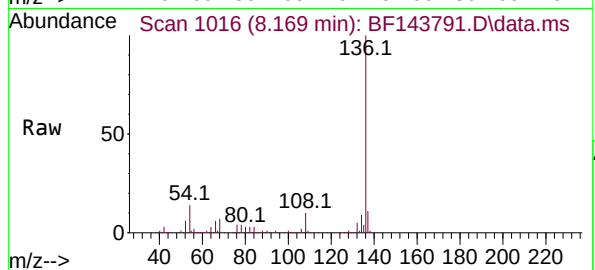
Acq: 23 Sep 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 546391

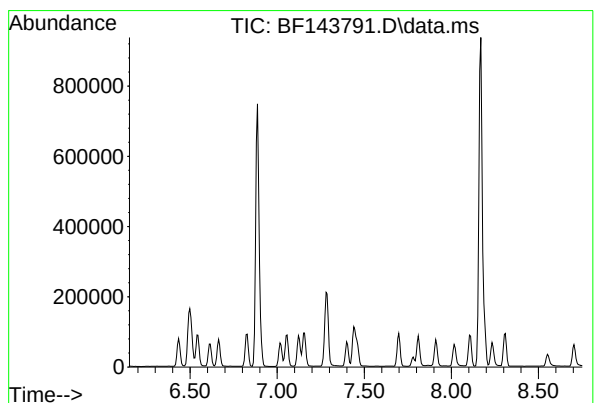
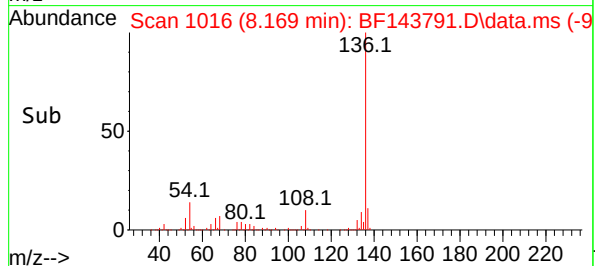
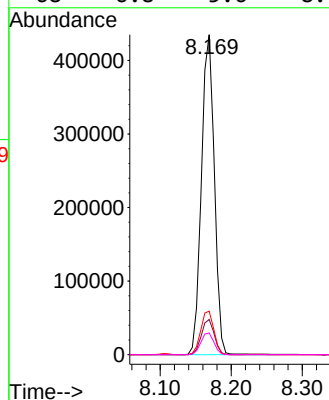
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 13.6 11.2 16.8

68 6.8 5.6 8.4



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.45 min

Lab File: BF143791.D

Acq: 23 Sep 2025 10:28

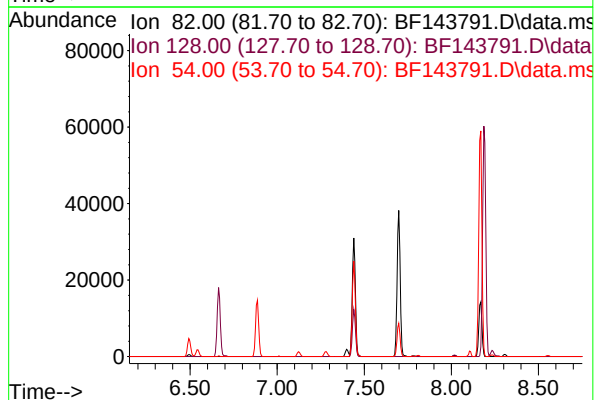
Tgt Ion: 82

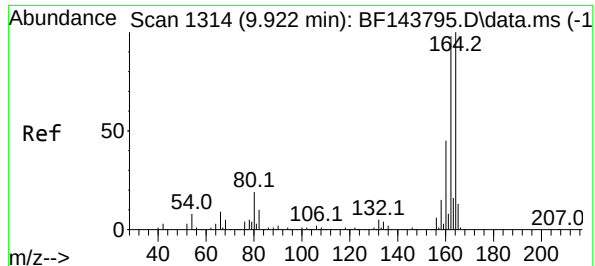
Sig Exp Ratio

82 100

128 41.6

54 80.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF143791.D

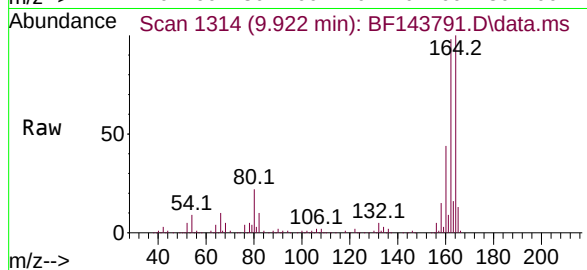
Acq: 23 Sep 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



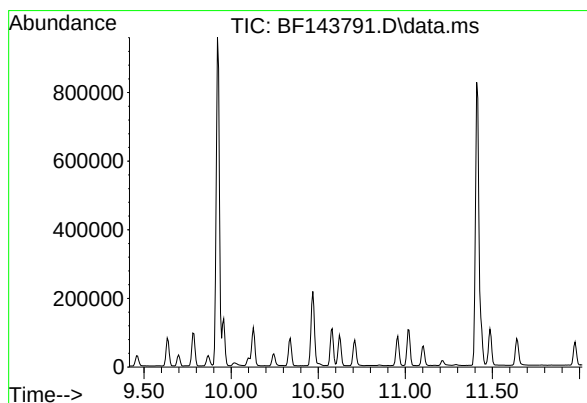
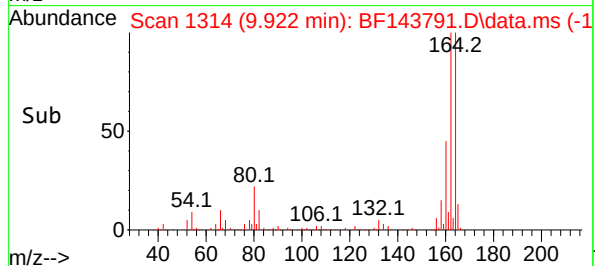
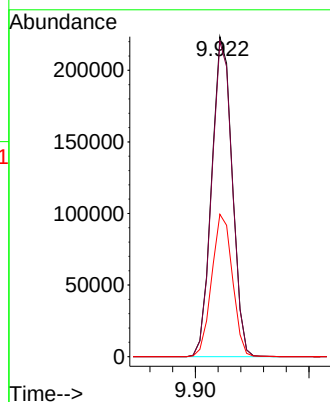
Tgt Ion:164 Resp: 280335

Ion	Ratio	Lower	Upper

164	100		

162	98.5	78.8	118.2

160	44.5	35.8	53.6



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.72 min

Lab File: BF143791.D

Acq: 23 Sep 2025 10:28

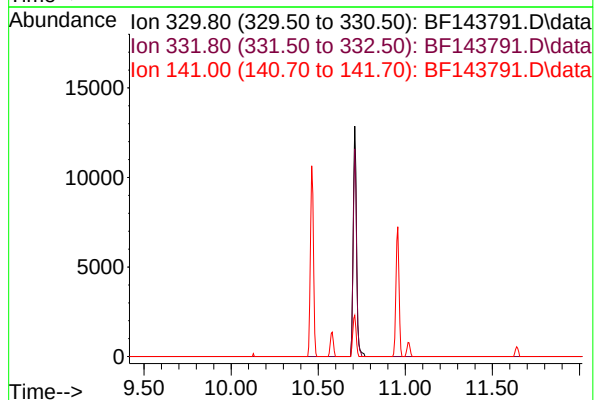
Tgt Ion: 330

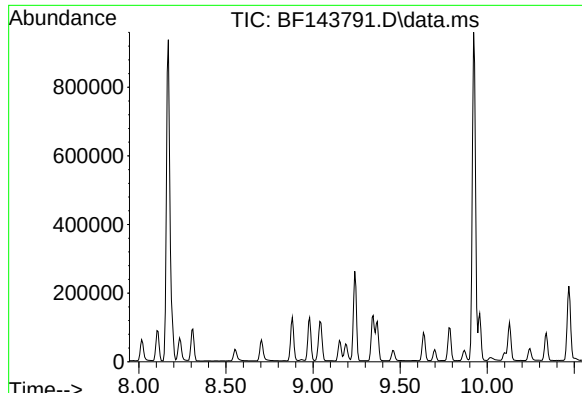
Sig	Exp Ratio

330	100

332	93.4

141	17.9





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.25 min

Lab File: BF143791.D

Acq: 23 Sep 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

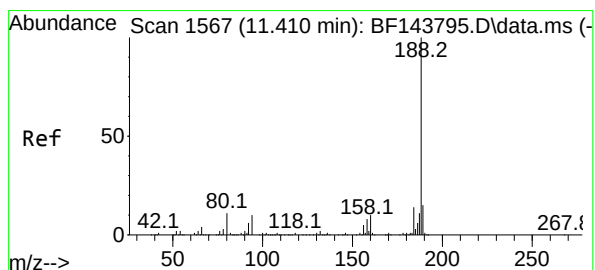
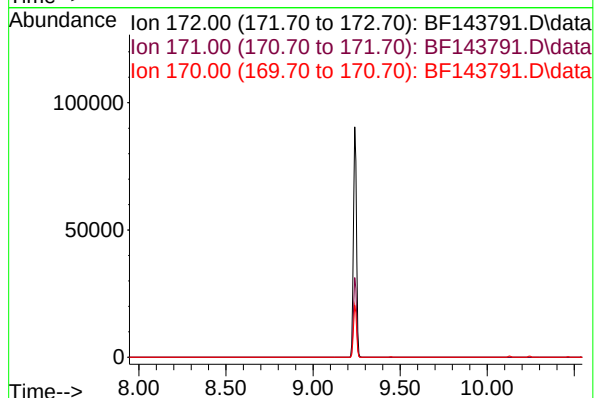
Tgt Ion: 172

Sig Exp Ratio

172 100

171 34.9

170 23.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF143791.D

Acq: 23 Sep 2025 10:28

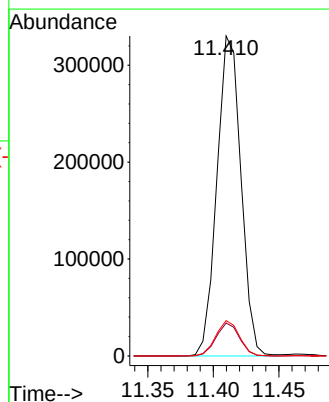
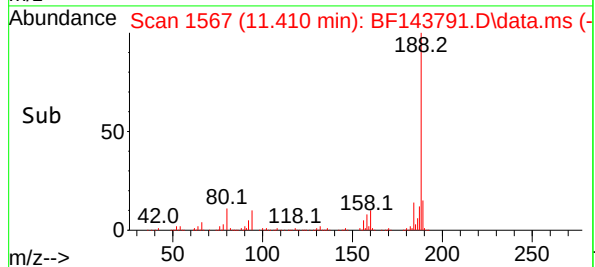
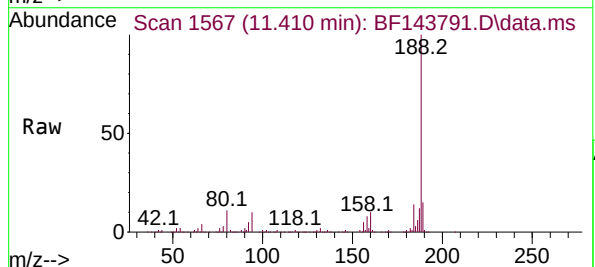
Tgt Ion:188 Resp: 422227

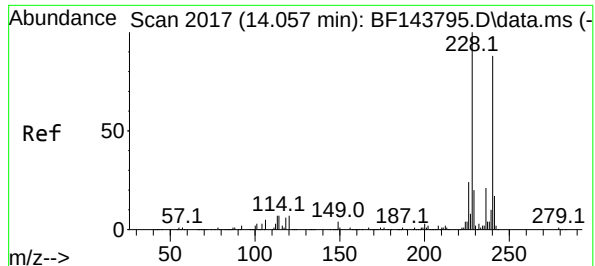
Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.2

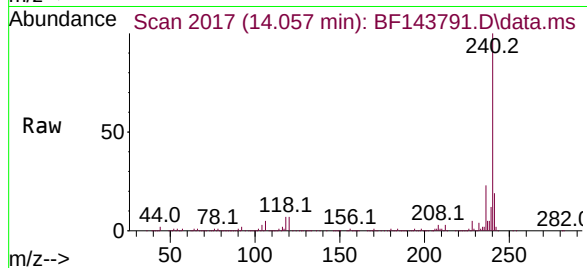
80 11.0 8.6 12.8



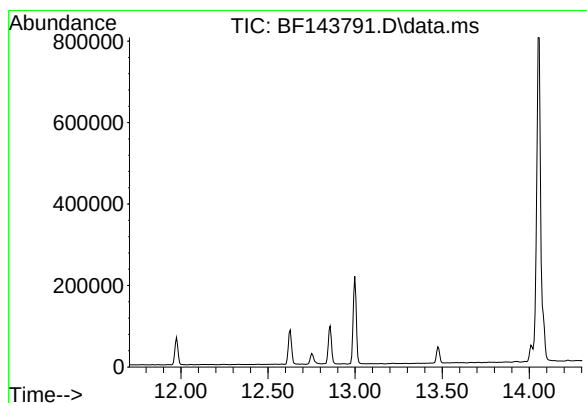
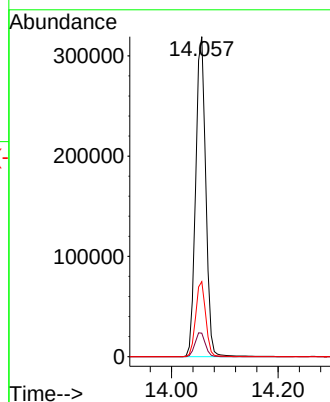
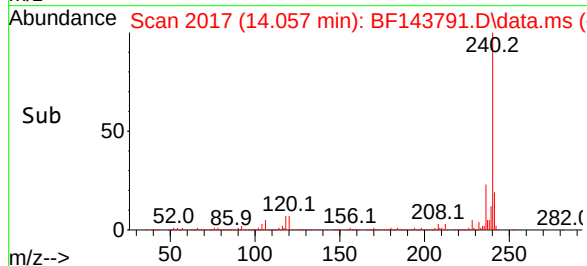


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143791.D
Acq: 23 Sep 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



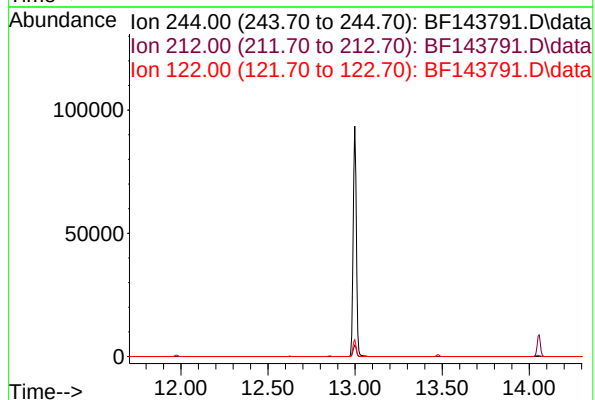
Tgt Ion:240 Resp: 419162
Ion Ratio Lower Upper
240 100
120 7.3 6.2 9.4
236 23.4 19.4 29.2



#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

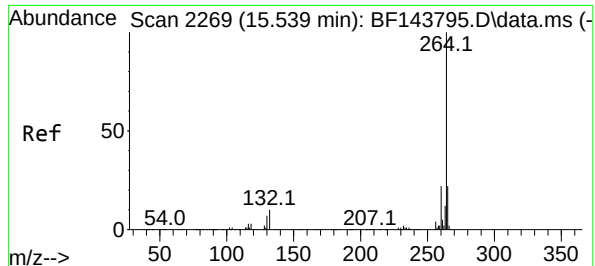
Lab File: BF143791.D
Acq: 23 Sep 2025 10:28

Tgt Ion: 244
Sig Exp Ratio
244 100
212 4.9
122 7.0



Ion 212.00 (211.70 to 212.70): BF143791.D\data

Ion 122.00 (121.70 to 122.70): BF143791.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143791.D

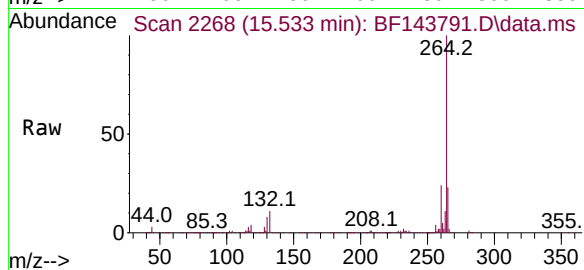
Acq: 23 Sep 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



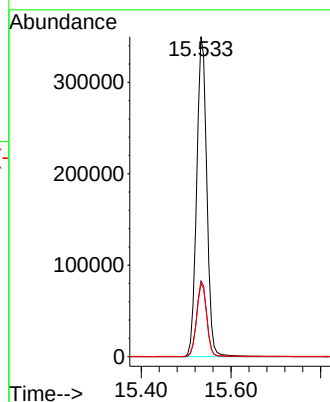
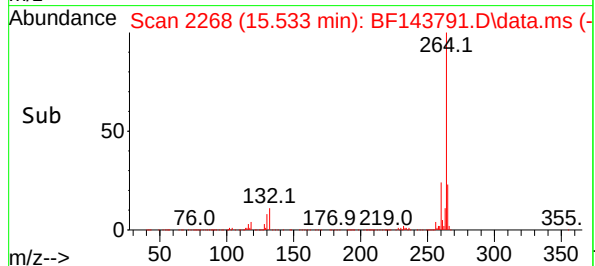
Tgt Ion:264 Resp: 547725

Ion Ratio Lower Upper

264 100

260 23.6 17.9 26.9

265 22.8 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143792.D
 Acq On : 23 Sep 2025 10:58
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Sep 24 04:31:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 17:50:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	137641	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	513746	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	252917	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	379147	20.000	ng	0.00
76) Chrysene-d12	14.057	240	398321	20.000	ng	0.00
86) Perylene-d12	15.533	264	555053	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	

Target Compounds					Qvalue
2) 1,4-Dioxane	2.640	88	20444	5.042 ng	99
3) Pyridine	3.416	79	54556	4.984 ng	97
6) Aniline	6.545	93	78570	5.530 ng	97
8) 2-Chlorophenol	6.663	128	44880	5.175 ng	99
10) Phenol	6.510	94	60619	5.328 ng	98
11) bis(2-Chloroethyl)ether	6.616	93	47743	5.353 ng	97
12) 1,3-Dichlorobenzene	6.828	146	55825	5.544 ng	99
13) 1,4-Dichlorobenzene	6.904	146	56211	5.594 ng	100
14) 1,2-Dichlorobenzene	7.057	146	53628	5.635 ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	114228	5.401 ng	99
17) 2-Methylphenol	7.122	107	35529	5.291 ng	98
18) Hexachloroethane	7.398	117	19083	5.400 ng	97
19) n-Nitroso-di-n-propyla...	7.286	70	34084	5.415 ng	99
22) Acetophenone	7.286	105	64220	5.691 ng	99
24) Nitrobenzene	7.457	77	46458	4.994 ng	98
25) Isophorone	7.698	82	85608	5.234 ng	99
26) 2-Nitrophenol	7.781	139	11396	5.528 ng	97
27) 2,4-Dimethylphenol	7.810	122	37440	5.122 ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	58456	5.501 ng	98
29) 2,4-Dichlorophenol	8.016	162	35586	4.947 ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	40333	5.403 ng	99
31) Naphthalene	8.186	128	135838	5.523 ng	100
33) 4-Chloroaniline	8.233	127	46191	5.345 ng	98
34) Hexachlorobutadiene	8.310	225	29187	5.245 ng	99
36) 4-Chloro-3-methylphenol	8.704	107	34756	5.152 ng	95
37) 2-Methylnaphthalene	8.880	142	88002	5.612 ng	100
38) 1-Methylnaphthalene	8.980	142	84197	5.609 ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	41527	5.441 ng	99
43) 2,4,6-Trichlorophenol	9.151	196	21768	4.555 ng	97
44) 2,4,5-Trichlorophenol	9.186	196	23454	4.692 ng	96
46) 1,1'-Biphenyl	9.345	154	101651	5.552 ng	100
47) 2-Chloronaphthalene	9.369	162	81117	5.504 ng	99
48) 2-Nitroaniline	9.457	65	15262	3.427 ng	93
49) Acenaphthylene	9.786	152	109327	5.389 ng	99
50) Dimethylphthalate	9.633	163	80614	5.229 ng	99
51) 2,6-Dinitrotoluene	9.698	165	8744	3.452 ng	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143792.D
 Acq On : 23 Sep 2025 10:58
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Sep 24 04:31:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 17:50:26 2025
 Response via : Initial Calibration

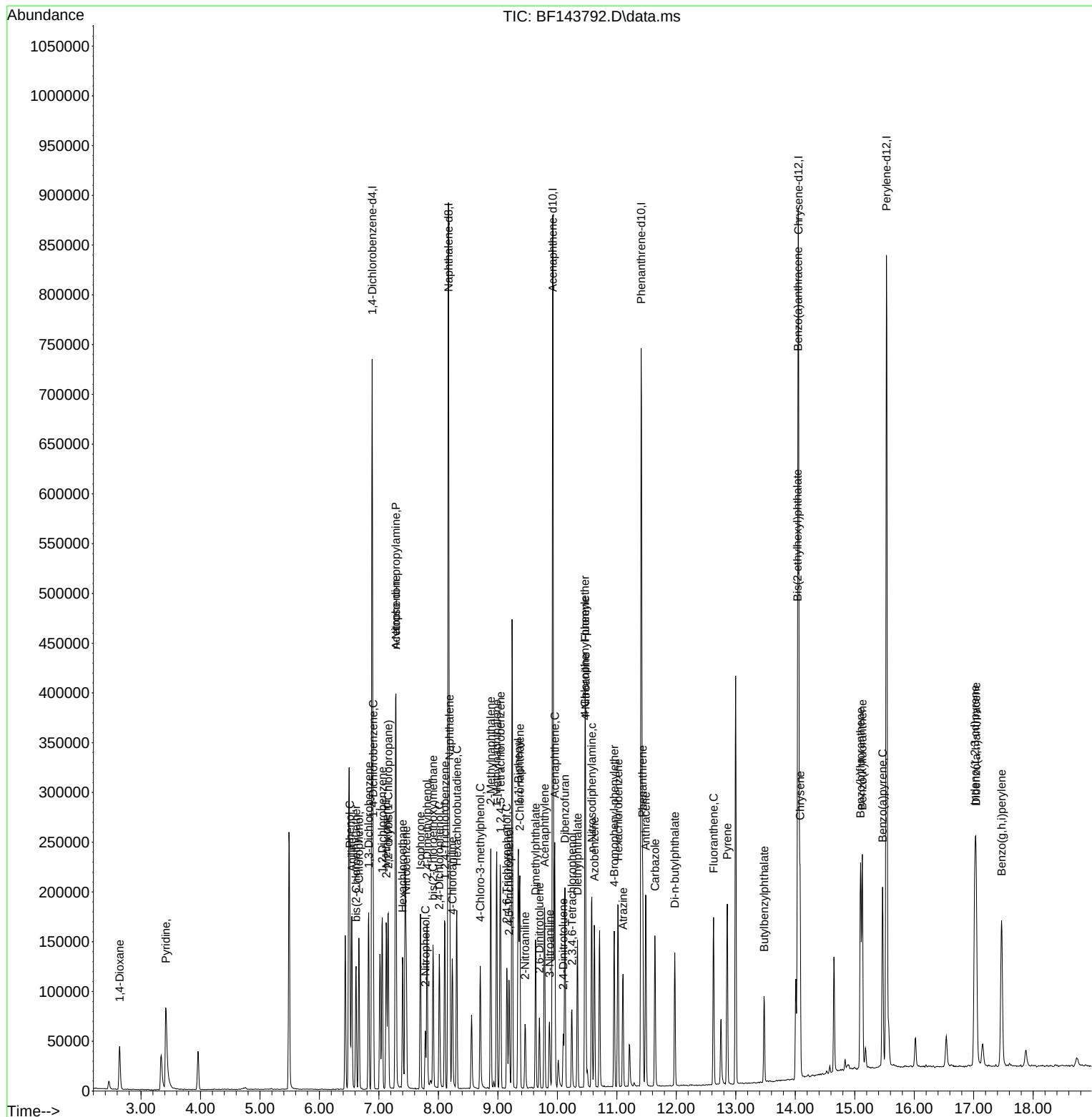
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.957	154	71713	5.372	ng	97
53) 3-Nitroaniline	9.869	138	10825	3.526	ng #	89
55) Dibenzofuran	10.127	168	104283	5.524	ng	99
57) 2,4-Dinitrotoluene	10.098	165	9518	5.298	ng #	84
58) Fluorene	10.469	166	80629	5.745	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	17203	4.017	ng #	98
60) Diethylphthalate	10.339	149	73247	5.076	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	39239	5.487	ng	98
62) 4-Nitroaniline	10.474	138	10259	3.554	ng	96
63) Azobenzene	10.621	77	79697	5.240	ng	98
66) n-Nitrosodiphenylamine	10.580	169	67054	5.378	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	32607	5.047	ng	97
68) Hexachlorobenzene	11.021	284	46642	5.238	ng	100
69) Atrazine	11.104	200	16909	4.683	ng	96
71) Phenanthrene	11.433	178	108554	5.577	ng	98
72) Anthracene	11.486	178	103911	5.322	ng	99
73) Carbazole	11.639	167	86827	5.086	ng	100
74) Di-n-butylphthalate	11.974	149	89101	4.538	ng	100
75) Fluoranthene	12.627	202	96550	4.932	ng	99
78) Pyrene	12.857	202	103385	5.279	ng	99
80) Butylbenzylphthalate	13.474	149	25033	3.695	ng	97
81) Benzo(a)anthracene	14.045	228	110473	5.163	ng	99
83) Chrysene	14.080	228	103643	5.353	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	42651	4.295	ng	98
87) Indeno(1,2,3-cd)pyrene	17.021	276	205787	4.886	ng	98
88) Benzo(b)fluoranthene	15.098	252	137015	4.847	ng	99
89) Benzo(k)fluoranthene	15.127	252	147201	5.184	ng	99
90) Benzo(a)pyrene	15.468	252	128819	4.848	ng	98
91) Dibenzo(a,h)anthracene	17.039	278	167469	4.862	ng	99
92) Benzo(g,h,i)perylene	17.468	276	157425	4.741	ng	99

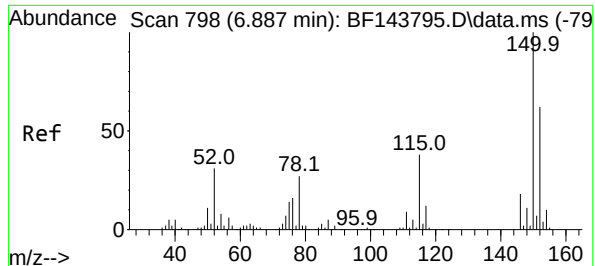
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
Data File : BF143792.D
Acq On : 23 Sep 2025 10:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Sep 24 04:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 17:50:26 2025
Response via : Initial Calibration

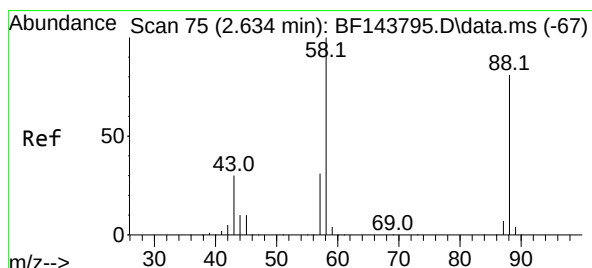
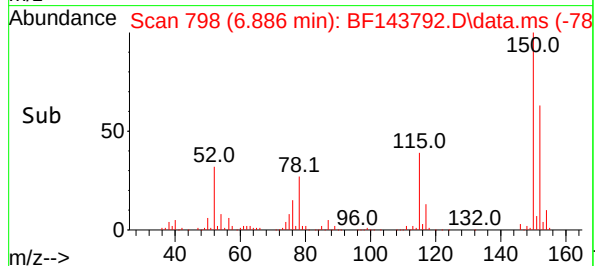
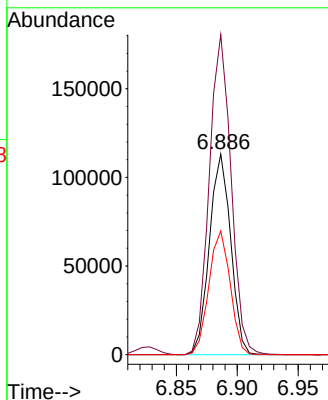
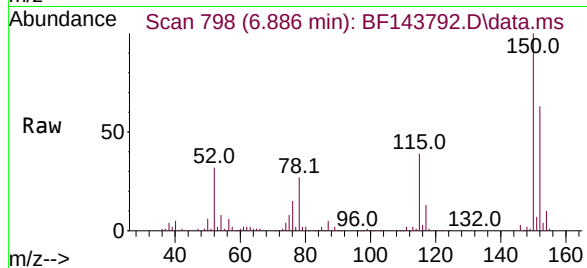




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 79
Delta R.T. -0.001 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

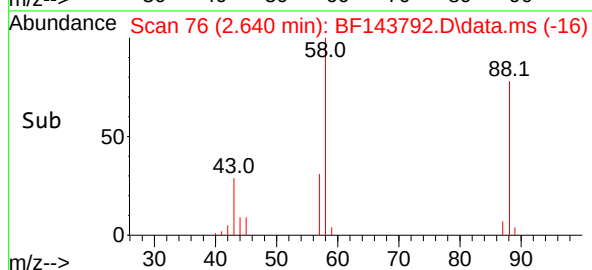
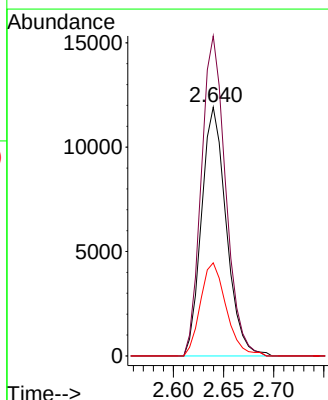
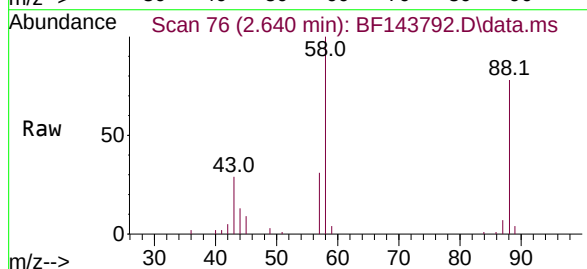
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

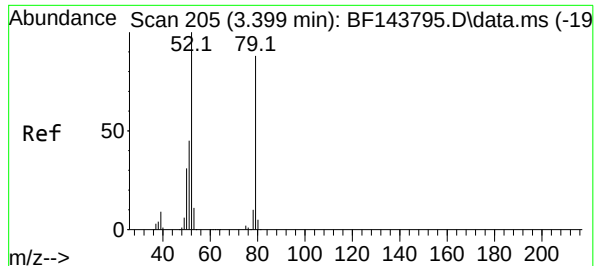
Tgt Ion:152 Resp: 137641
Ion Ratio Lower Upper
152 100
150 159.5 129.6 194.4
115 61.6 49.0 73.4



#2
1,4-Dioxane
Concen: 5.042 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion: 88 Resp: 20444
Ion Ratio Lower Upper
88 100
58 126.0 99.4 149.2
43 38.9 30.6 45.8





#3

Pyridine

Concen: 4.984 ng

RT: 3.416 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF143792.D

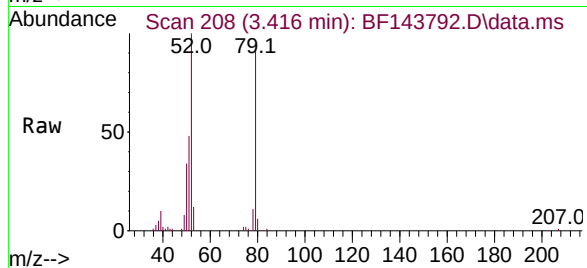
Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



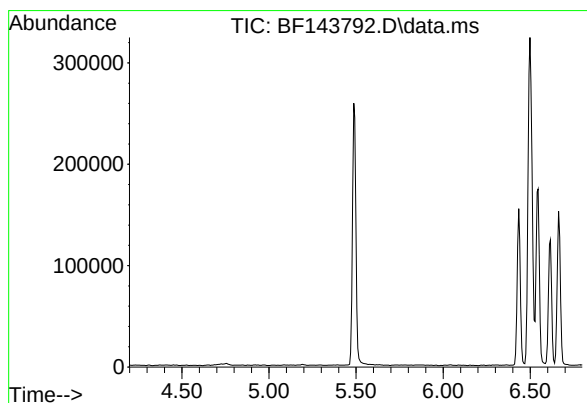
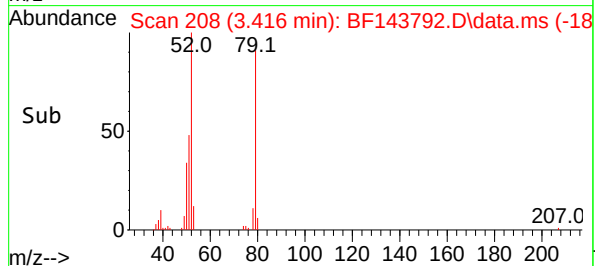
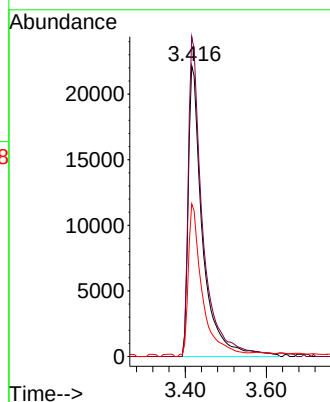
Tgt Ion: 79 Resp: 54556

Ion Ratio Lower Upper

79 100

52 110.0 90.5 135.7

51 52.5 40.6 61.0



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.50 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

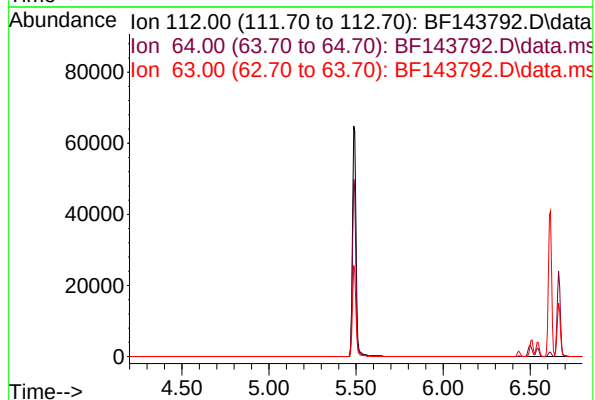
Tgt Ion: 112

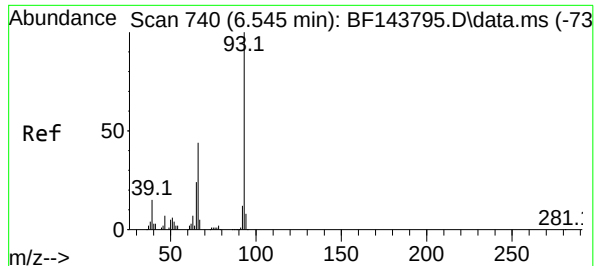
Sig Exp Ratio

112 100

64 78.7

63 40.8

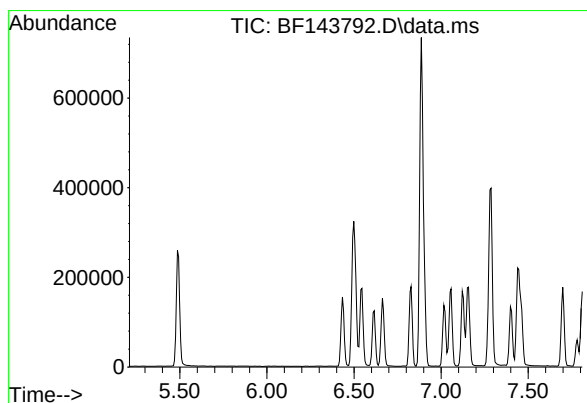
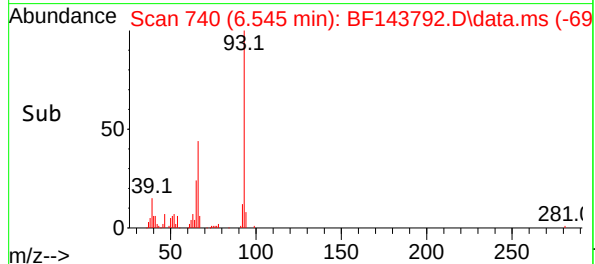
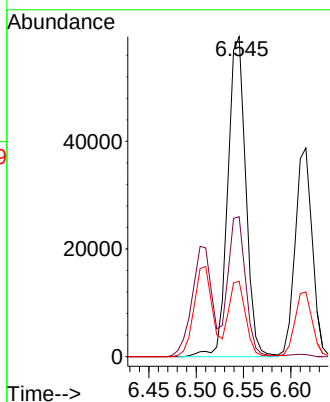
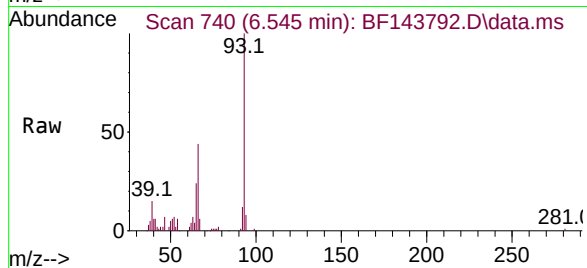




#6
Aniline
Concen: 5.530 ng
RT: 6.545 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

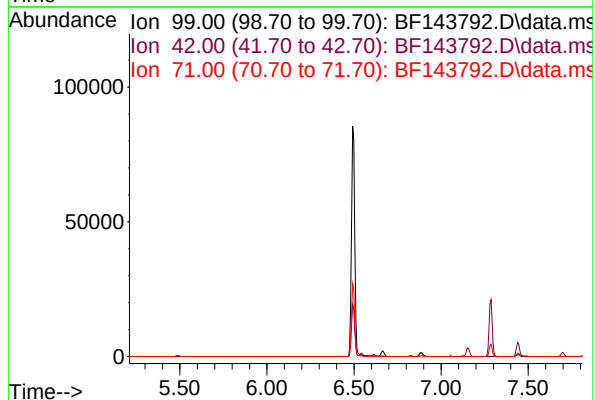
Tgt Ion: 93 Resp: 78570
Ion Ratio Lower Upper
93 100
66 43.7 37.1 55.7
65 23.6 19.4 29.0

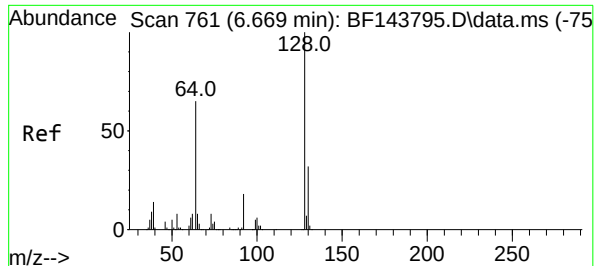


#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.51 min

Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion: 99
Sig Exp Ratio
99 100
42 23.3
71 33.7

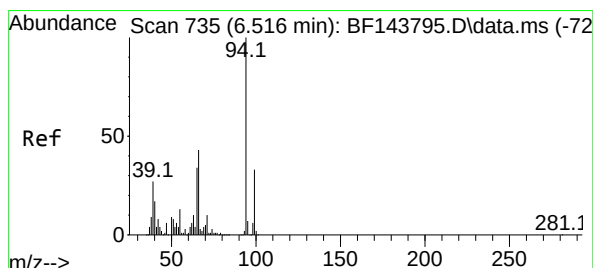
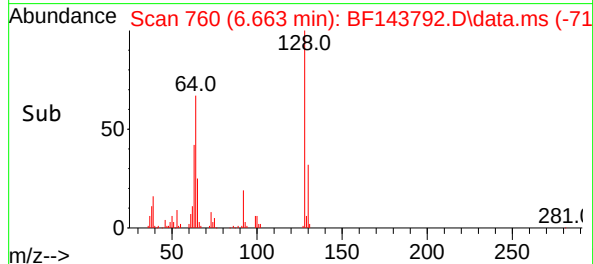
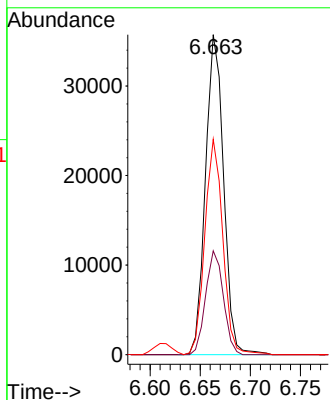
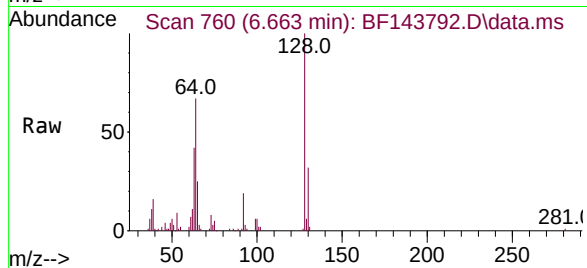




#8
2-Chlorophenol
Concen: 5.175 ng
RT: 6.663 min Scan# 761
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

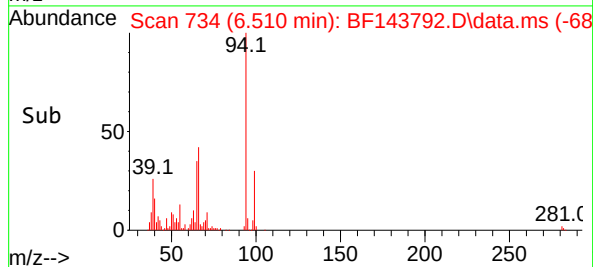
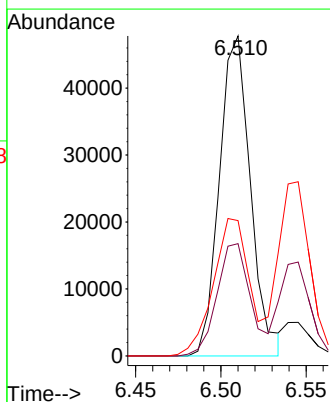
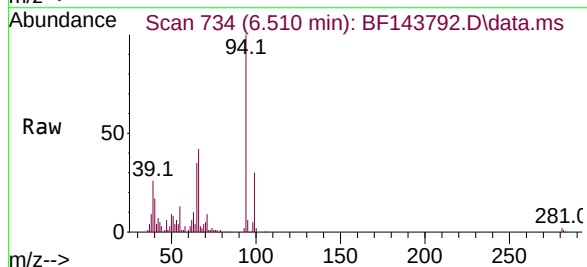
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

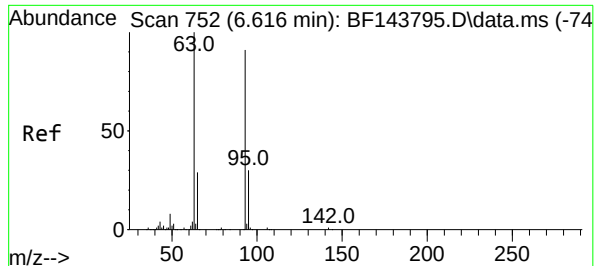
Tgt Ion:128 Resp: 44880
Ion Ratio Lower Upper
128 100
130 32.4 12.2 52.2
64 67.3 46.5 86.5



#10
Phenol
Concen: 5.328 ng
RT: 6.510 min Scan# 734
Delta R.T. -0.018 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion: 94 Resp: 60619
Ion Ratio Lower Upper
94 100
65 35.1 14.2 54.2
66 42.3 24.1 64.1

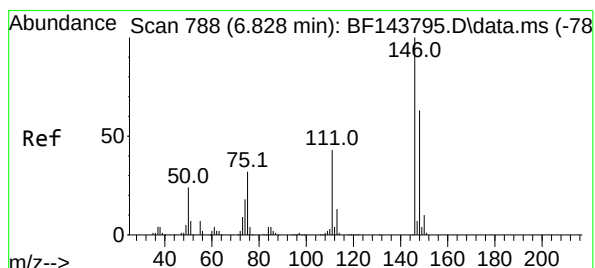
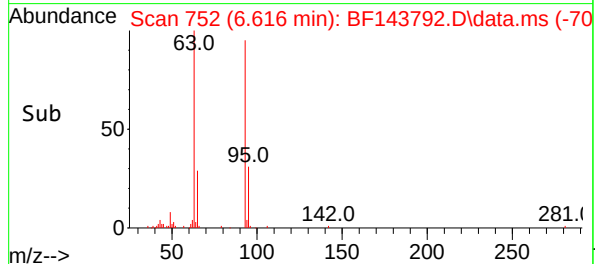
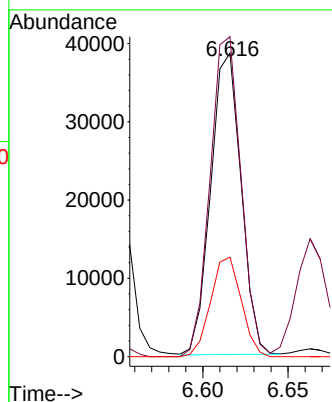
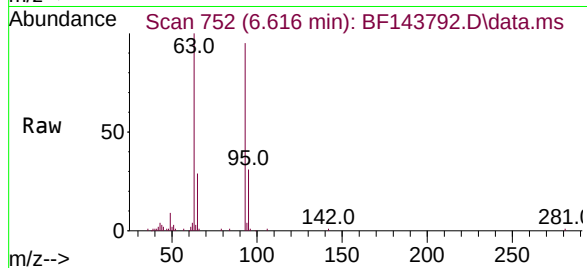




#11
bis(2-Chloroethyl)ether
Concen: 5.353 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

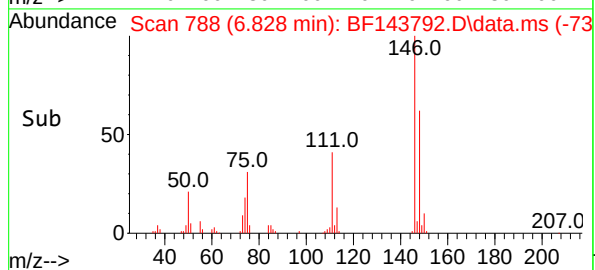
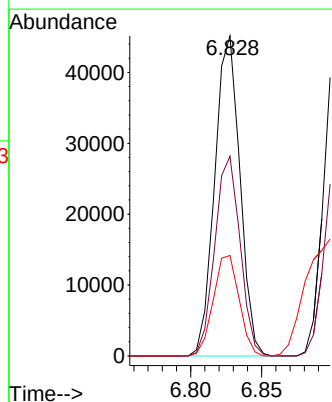
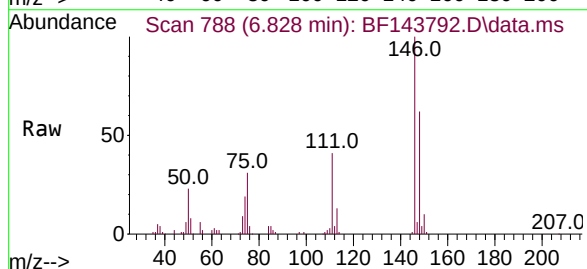
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

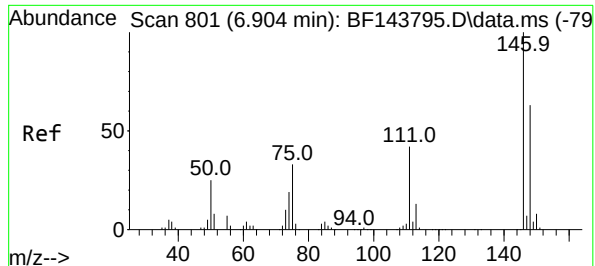
Tgt Ion: 93 Resp: 47743
Ion Ratio Lower Upper
93 100
63 105.4 89.2 129.2
95 32.8 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 5.544 ng
RT: 6.828 min Scan# 788
Delta R.T. -0.000 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion: 146 Resp: 55825
Ion Ratio Lower Upper
146 100
148 62.4 50.4 75.6
75 31.4 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 5.594 ng

RT: 6.904 min Scan# 801

Delta R.T. -0.000 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

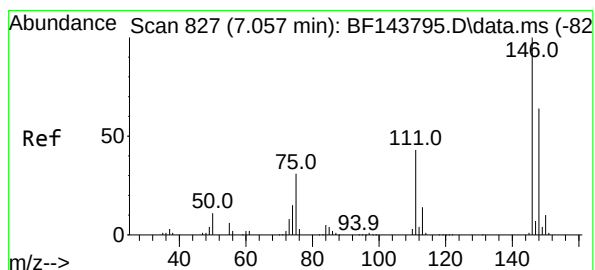
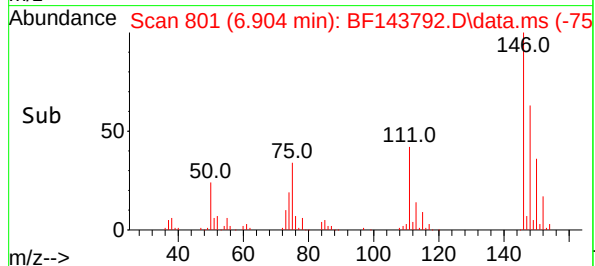
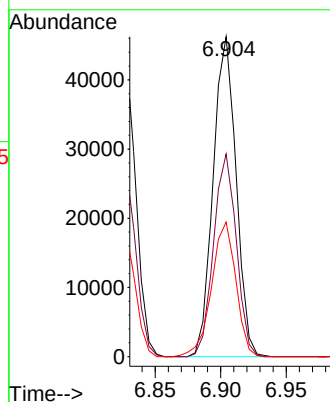
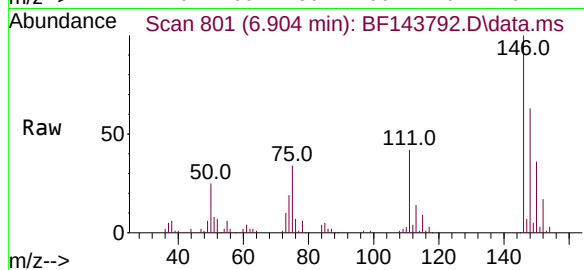
Tgt Ion:146 Resp: 56211

Ion Ratio Lower Upper

146 100

148 63.3 50.7 76.1

111 42.0 33.4 50.2



#14

1,2-Dichlorobenzene

Concen: 5.635 ng

RT: 7.057 min Scan# 827

Delta R.T. -0.000 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

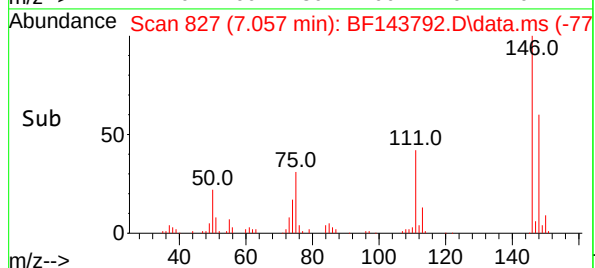
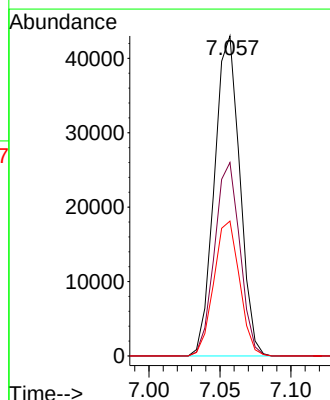
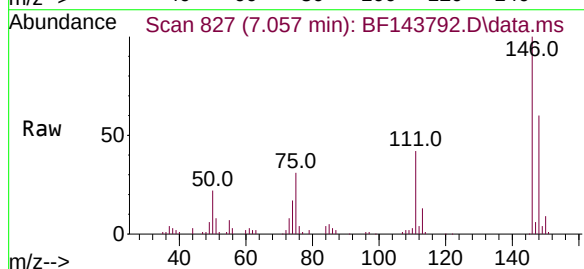
Tgt Ion:146 Resp: 53628

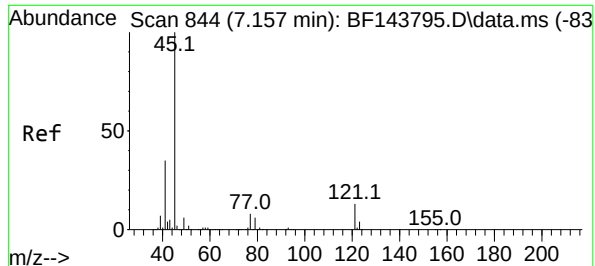
Ion Ratio Lower Upper

146 100

148 60.4 51.1 76.7

111 42.1 34.3 51.5

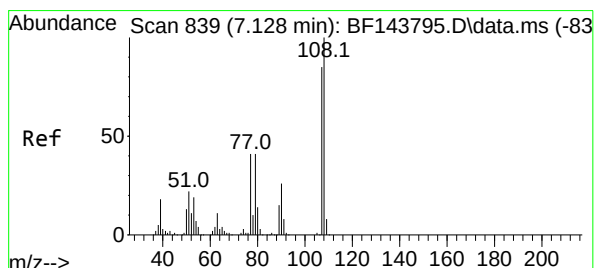
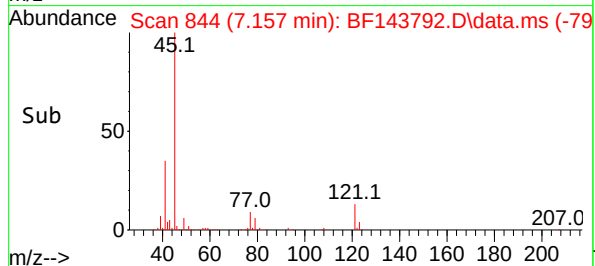
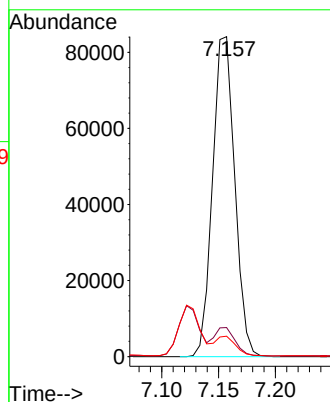
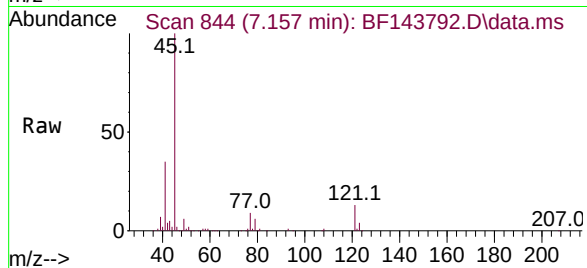




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.401 ng
RT: 7.157 min Scan# 844
Delta R.T. -0.000 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

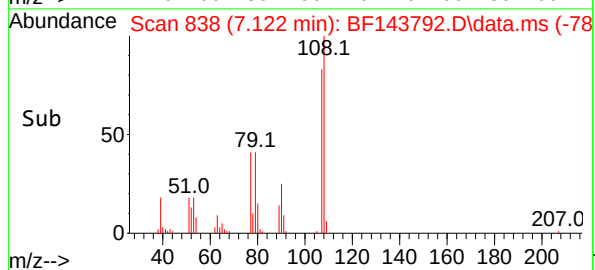
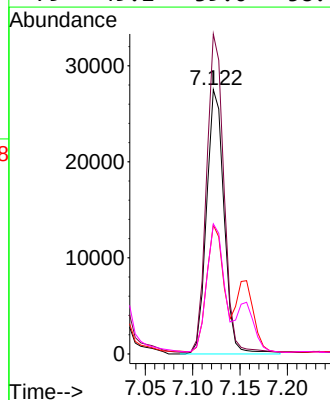
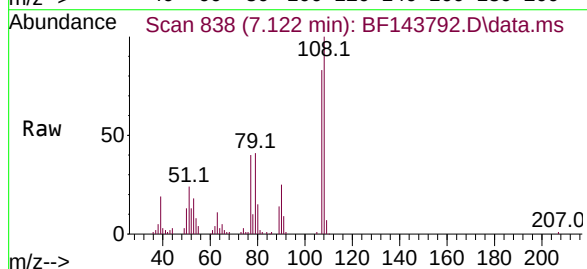
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

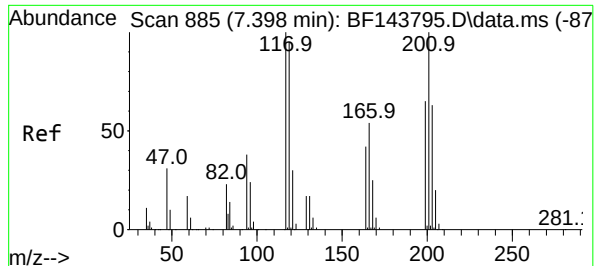
Tgt Ion:	45	Resp:	114228
Ion Ratio	Lower	Upper	
45	100		
77	9.1	0.0	28.5
79	6.4	0.0	26.3



#17
2-Methylphenol
Concen: 5.291 ng
RT: 7.122 min Scan# 838
Delta R.T. -0.012 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion:	107	Resp:	35529
Ion Ratio	Lower	Upper	
107	100		
108	121.1	94.2	141.4
77	48.8	38.6	58.0
79	49.2	39.0	58.4

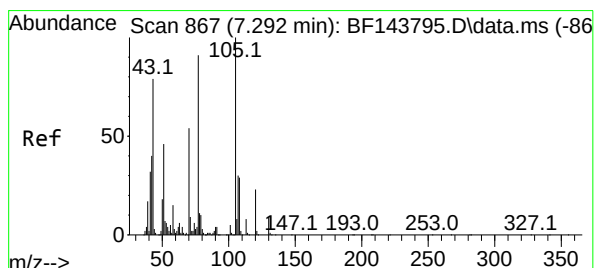
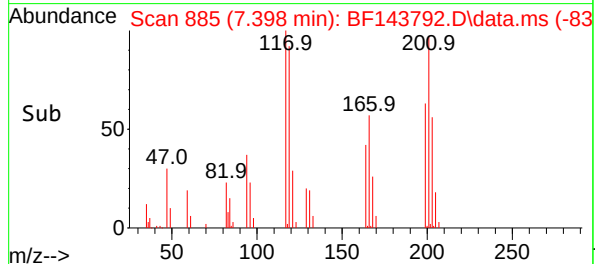
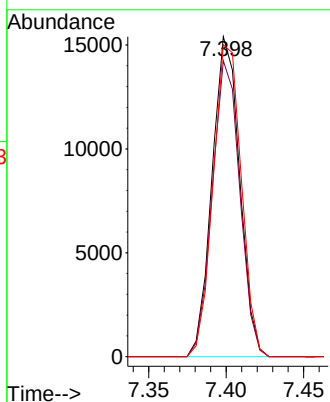
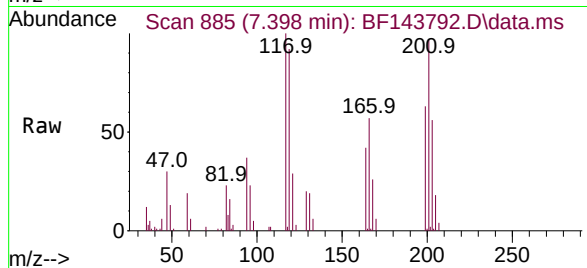




#18
Hexachloroethane
Concen: 5.400 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

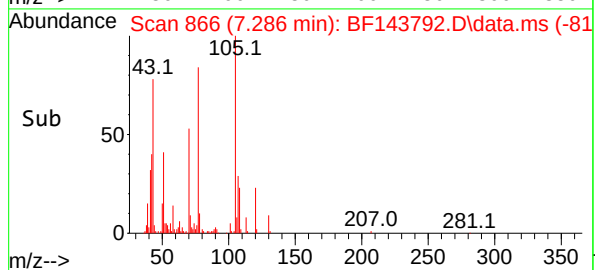
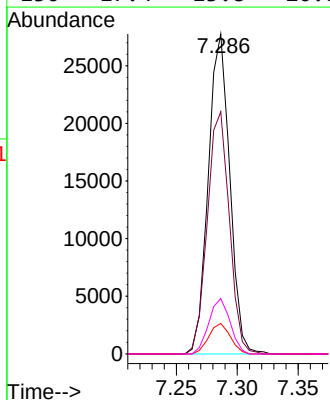
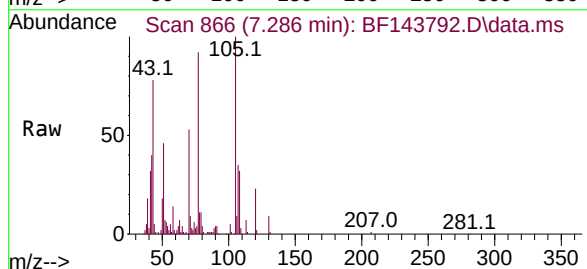
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

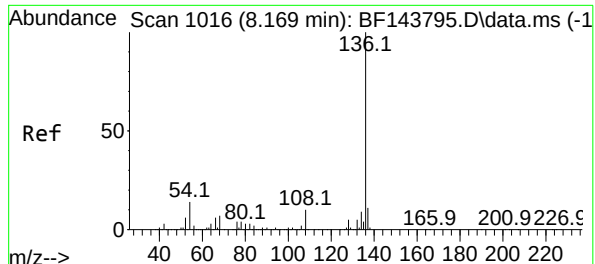
Tgt Ion:117 Resp: 19083
Ion Ratio Lower Upper
117 100
119 92.4 76.2 114.2
201 97.4 79.7 119.5



#19
n-Nitroso-di-n-propylamine
Concen: 5.415 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion: 70 Resp: 34084
Ion Ratio Lower Upper
70 100
42 75.7 59.4 89.0
101 9.5 7.1 10.7
130 17.4 13.8 20.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:136 Resp: 513746

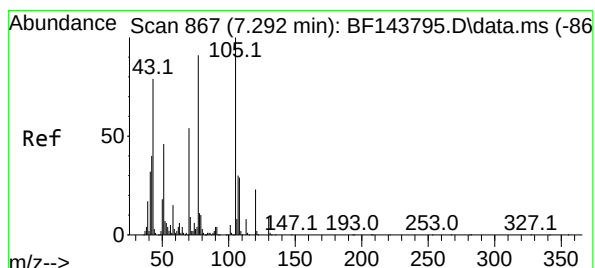
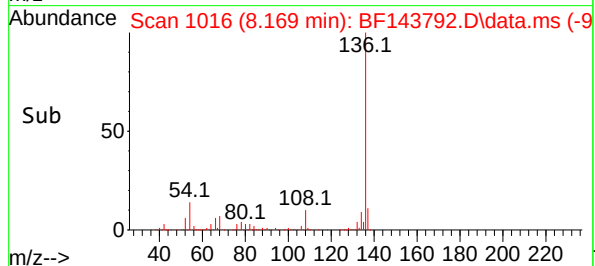
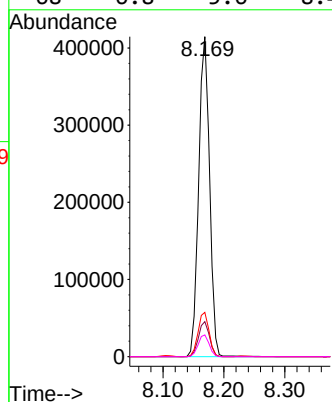
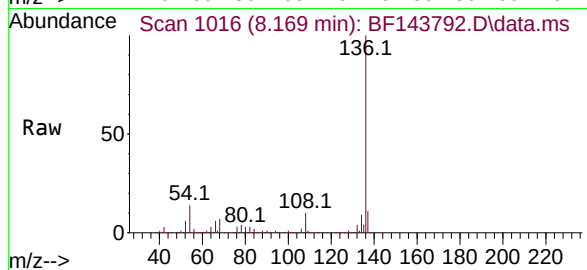
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 13.8 11.2 16.8

68 6.8 5.6 8.4



#22

Acetophenone

Concen: 5.691 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.012 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Tgt Ion:105 Resp: 64220

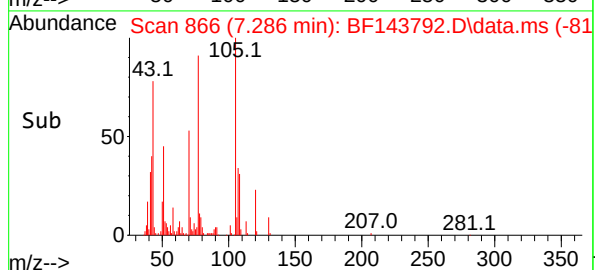
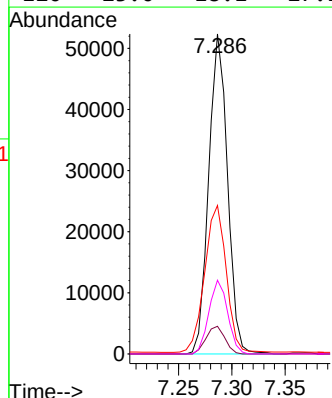
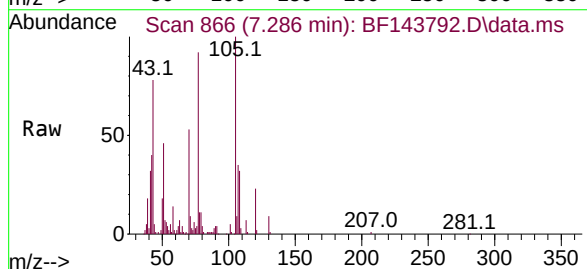
Ion Ratio Lower Upper

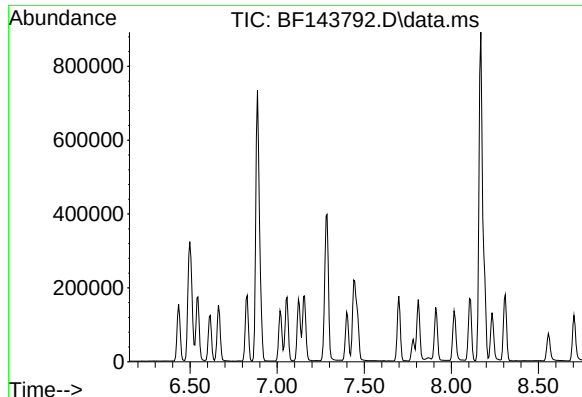
105 100

71 8.6 7.0 10.4

51 46.4 36.6 55.0

120 23.0 18.1 27.1





#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.45 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

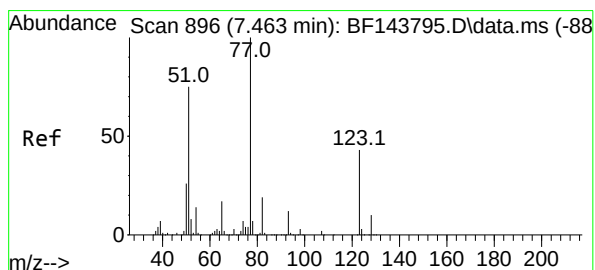
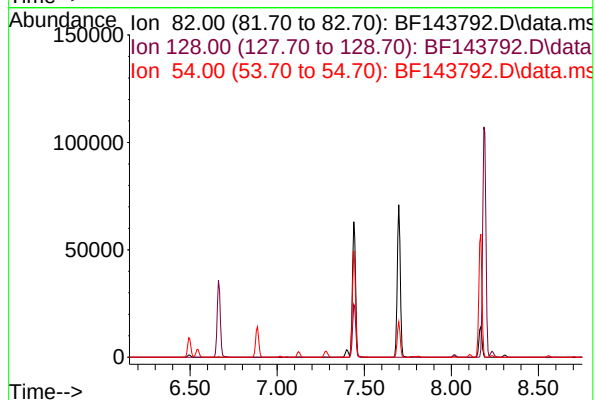
Tgt Ion: 82

Sig Exp Ratio

82 100

128 41.6

54 80.3



#24

Nitrobenzene

Concen: 4.994 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

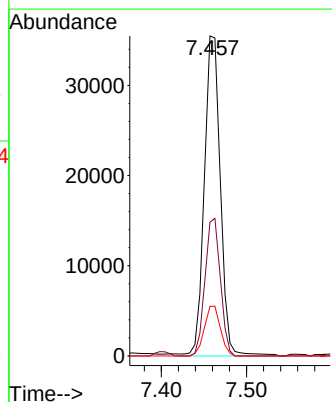
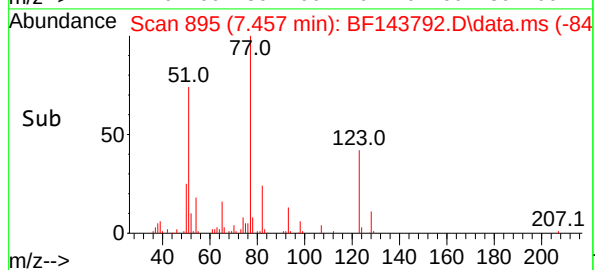
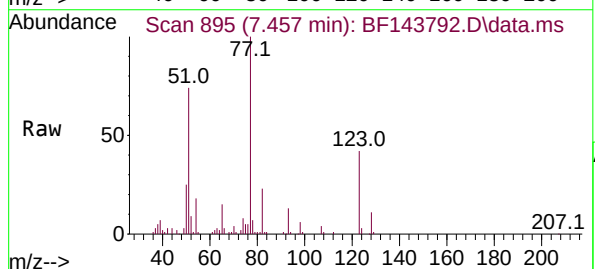
Tgt Ion: 77 Resp: 46458

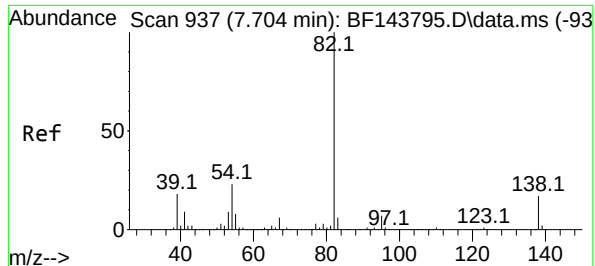
Ion Ratio Lower Upper

77 100

123 41.8 34.0 51.0

65 15.5 13.5 20.3

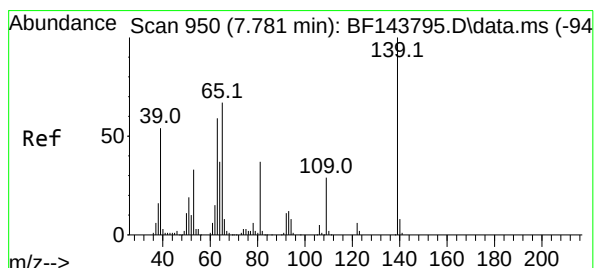
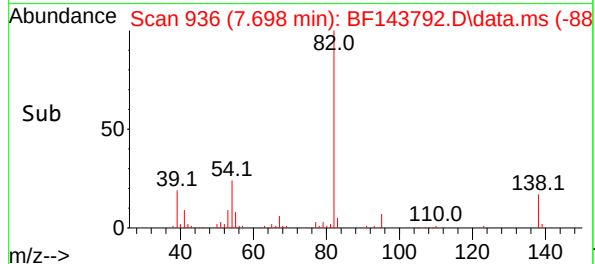
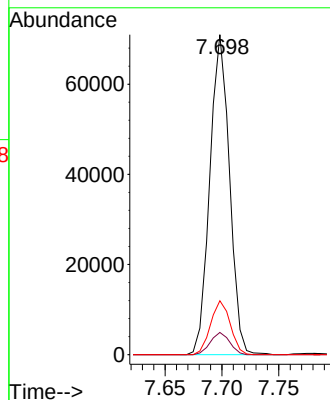
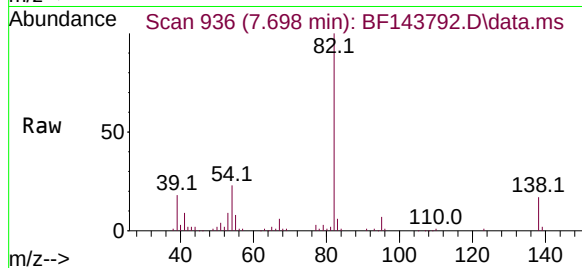




#25
Isophorone
Concen: 5.234 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

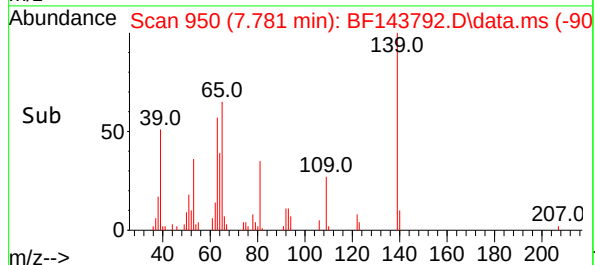
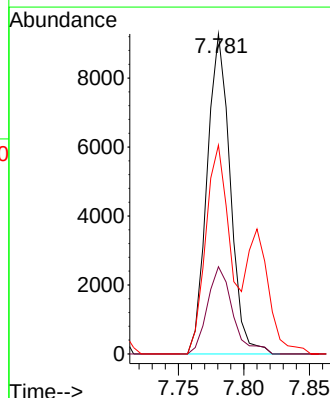
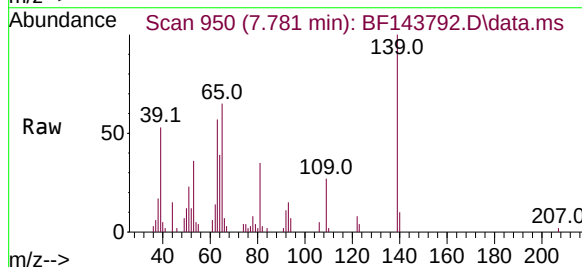
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

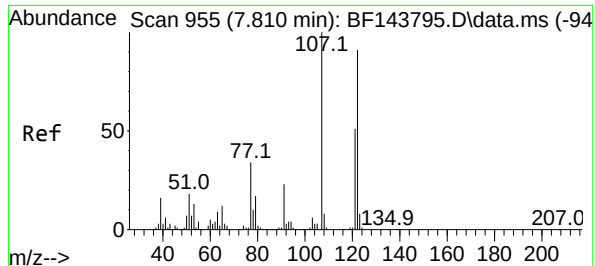
Tgt Ion:	82	Resp:	85608
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.4	8.2
138	16.8	13.7	20.5



#26
2-Nitrophenol
Concen: 5.528 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.005 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion:	139	Resp:	11396
Ion Ratio	Lower	Upper	
139	100		
109	27.2	23.3	34.9
65	65.2	53.8	80.6





#27

2,4-Dimethylphenol

Concen: 5.122 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

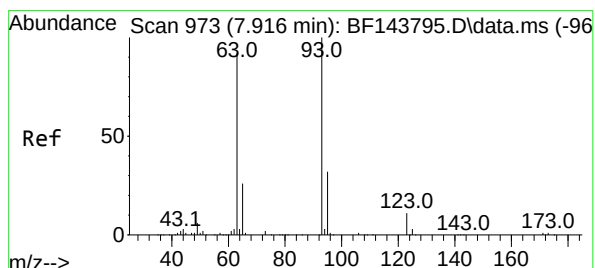
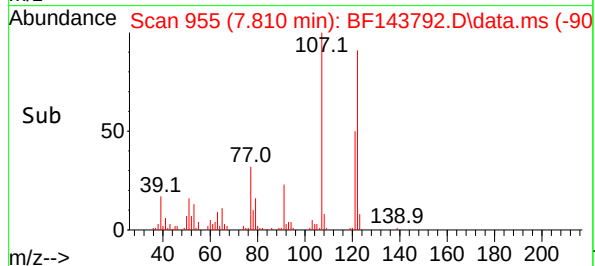
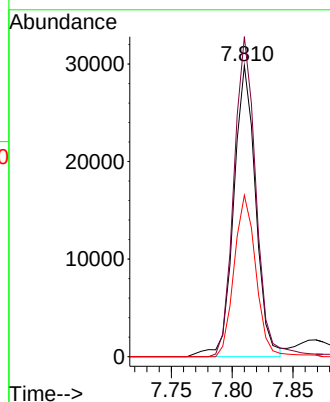
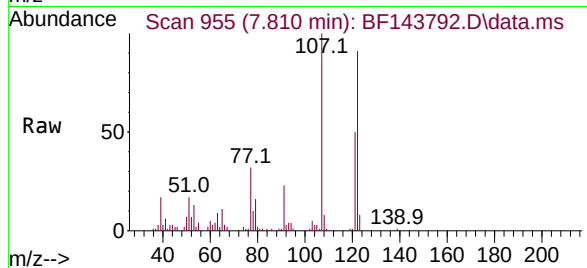
Tgt Ion:122 Resp: 37440

Ion Ratio Lower Upper

122 100

107 110.0 87.5 131.3

121 55.5 44.2 66.4



#28

bis(2-Chloroethoxy)methane

Concen: 5.501 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

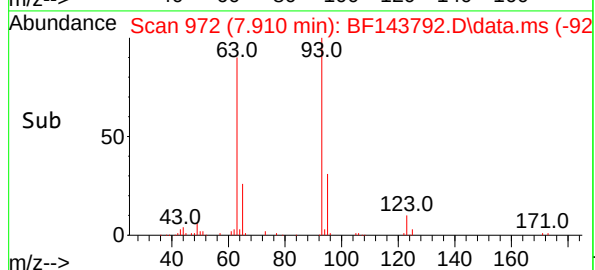
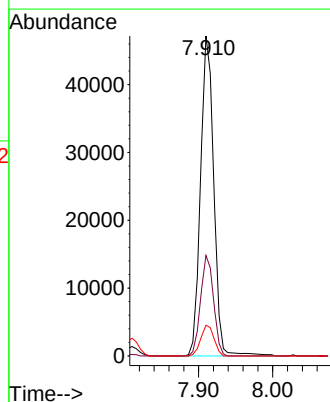
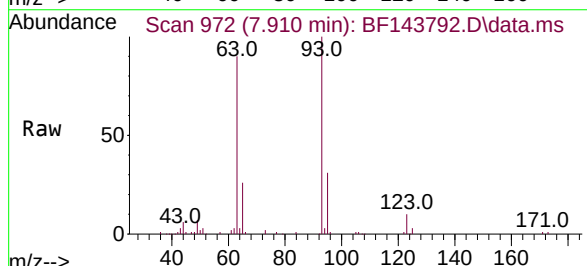
Tgt Ion: 93 Resp: 58456

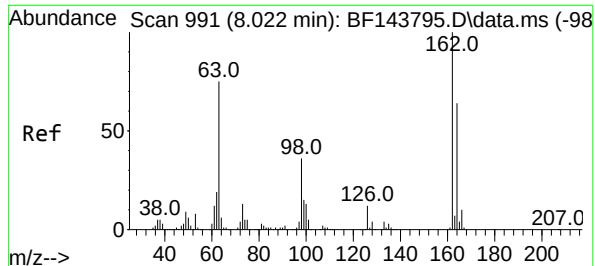
Ion Ratio Lower Upper

93 100

95 31.4 25.8 38.8

123 9.6 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 4.947 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

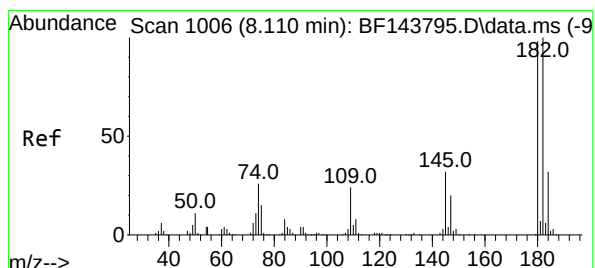
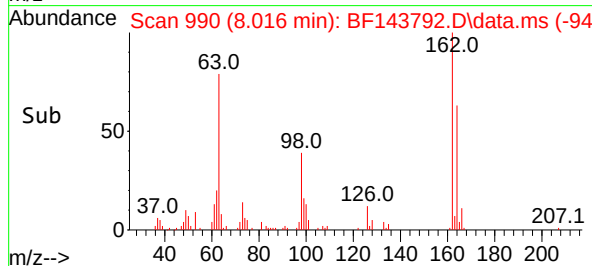
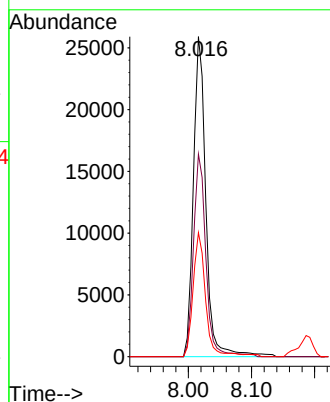
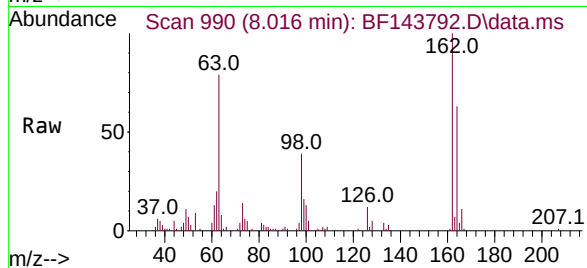
Tgt Ion:162 Resp: 35586

Ion Ratio Lower Upper

162 100

164 63.3 44.1 84.1

98 38.7 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 5.403 ng

RT: 8.110 min Scan# 1006

Delta R.T. -0.000 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

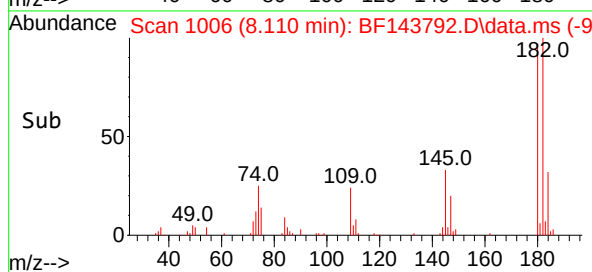
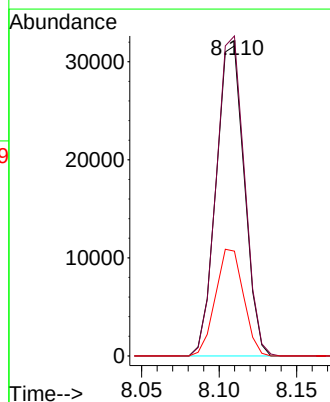
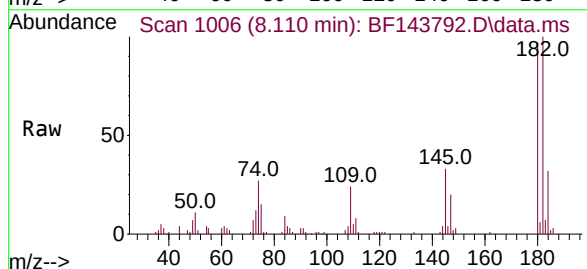
Tgt Ion:180 Resp: 40333

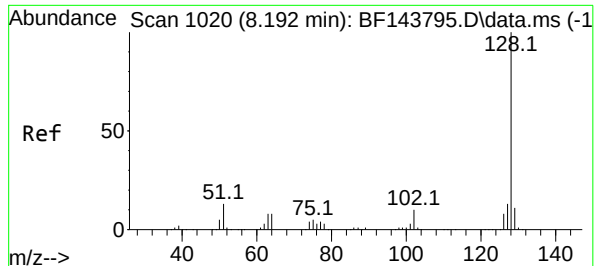
Ion Ratio Lower Upper

180 100

182 103.2 82.0 123.0

145 33.8 25.9 38.9





#31

Naphthalene

Concen: 5.523 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

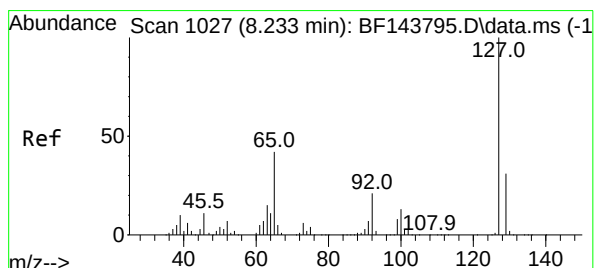
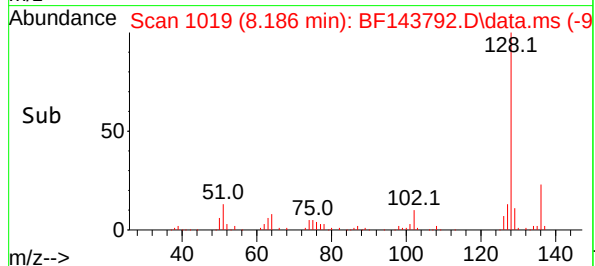
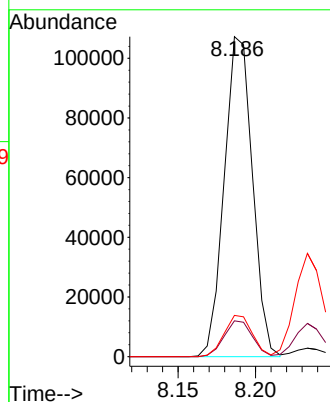
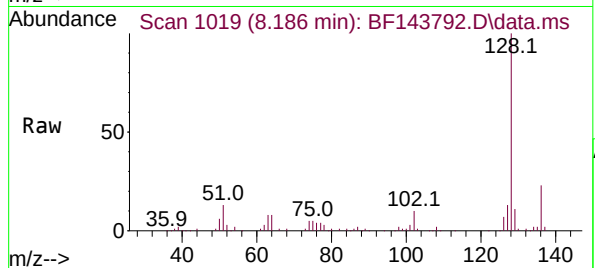
Tgt Ion:128 Resp: 135838

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 12.9 10.2 15.4



#33

4-Chloroaniline

Concen: 5.345 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Tgt Ion:127 Resp: 46191

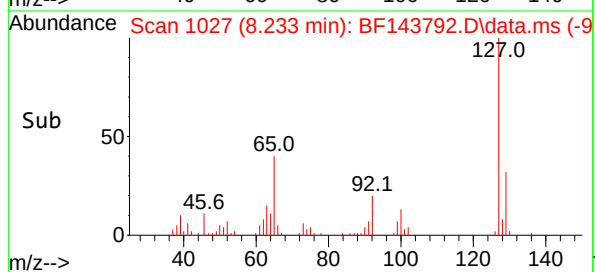
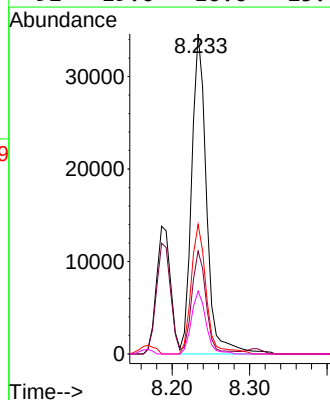
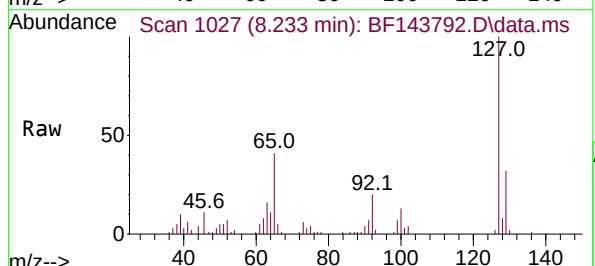
Ion Ratio Lower Upper

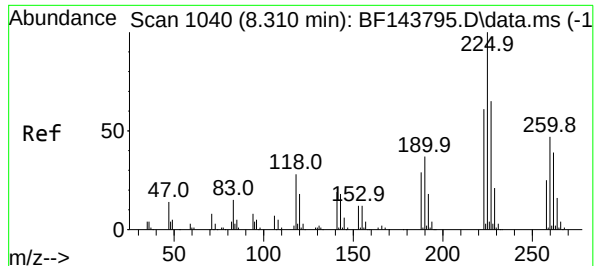
127 100

129 32.1 25.4 38.2

65 40.5 33.4 50.2

92 19.6 16.6 25.0





#34

Hexachlorobutadiene

Concen: 5.245 ng

RT: 8.310 min Scan# 1107

Delta R.T. -0.000 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

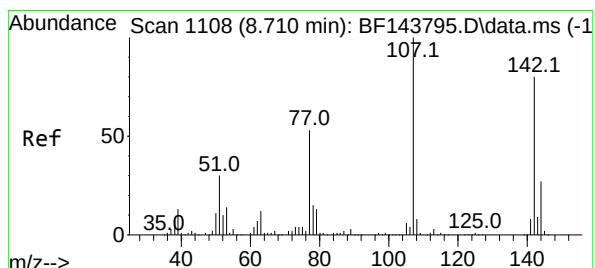
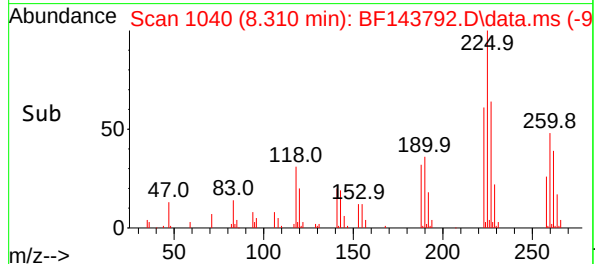
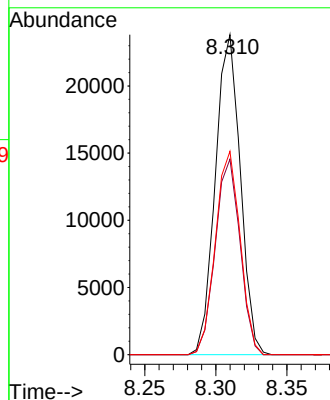
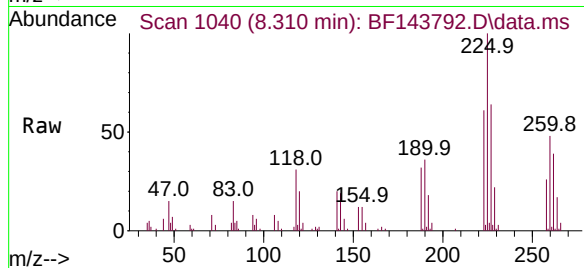
Tgt Ion:225 Resp: 29187

Ion Ratio Lower Upper

225 100

223 61.1 48.6 72.8

227 63.5 51.9 77.9



#36

4-Chloro-3-methylphenol

Concen: 5.152 ng

RT: 8.704 min Scan# 1107

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

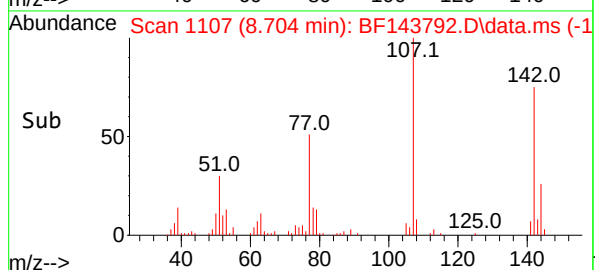
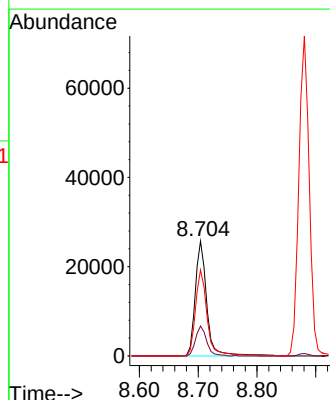
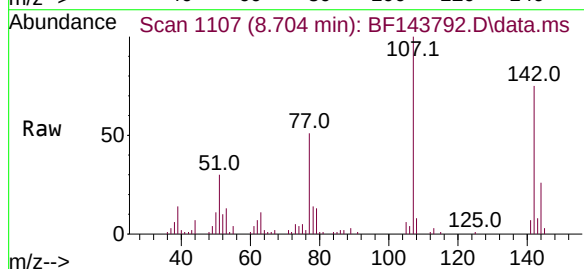
Tgt Ion:107 Resp: 34756

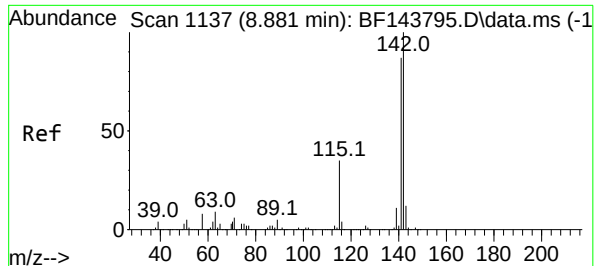
Ion Ratio Lower Upper

107 100

144 26.0 21.8 32.8

142 74.9 63.6 95.4





#37

2-Methylnaphthalene

Concen: 5.612 ng

RT: 8.880 min Scan# 1137

Delta R.T. -0.000 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

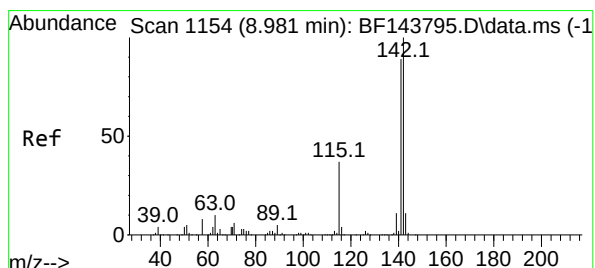
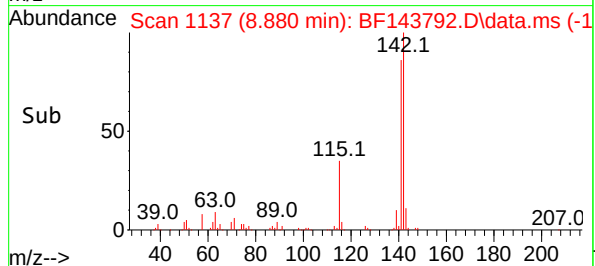
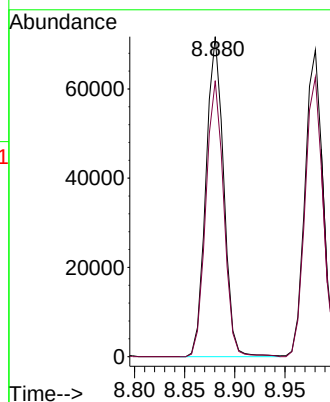
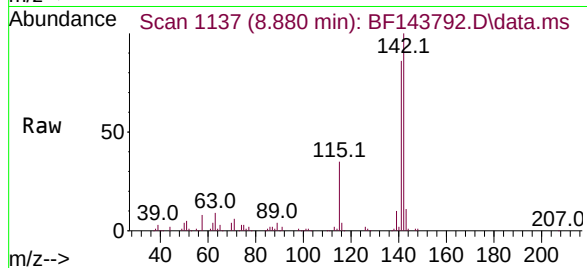
SSTDICC005

Tgt Ion:142 Resp: 88002

Ion Ratio Lower Upper

142 100

141 86.2 69.4 104.0



#38

1-Methylnaphthalene

Concen: 5.609 ng

RT: 8.980 min Scan# 1154

Delta R.T. -0.000 min

Lab File: BF143792.D

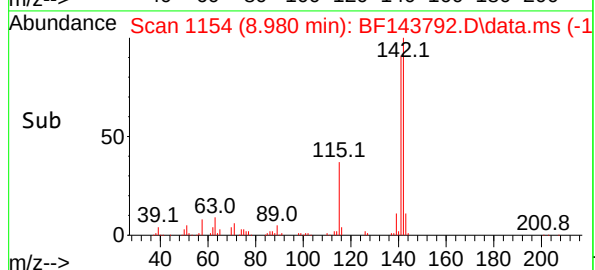
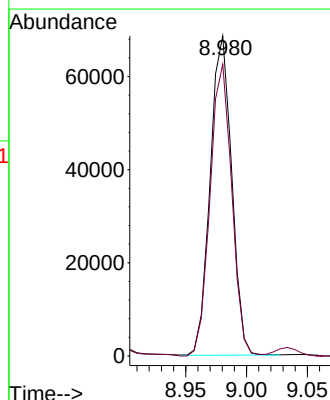
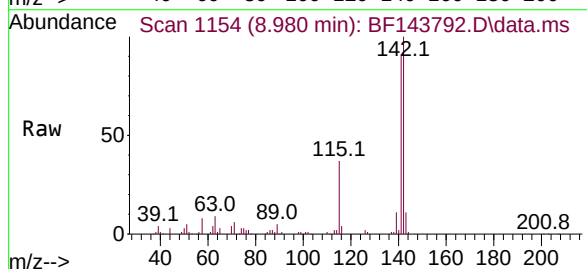
Acq: 23 Sep 2025 10:58

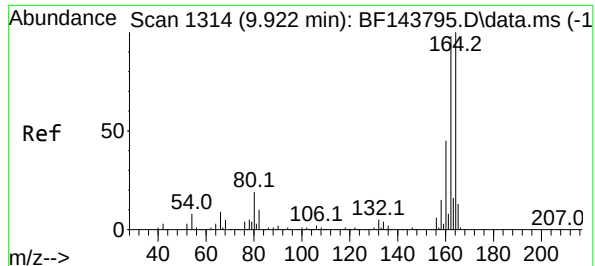
Tgt Ion:142 Resp: 84197

Ion Ratio Lower Upper

142 100

141 91.2 71.1 106.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

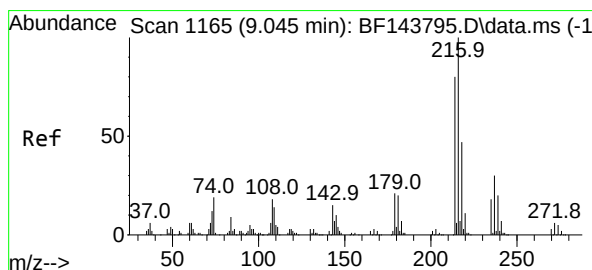
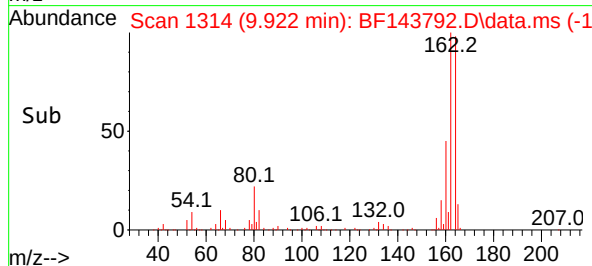
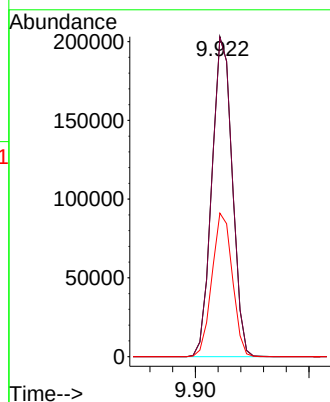
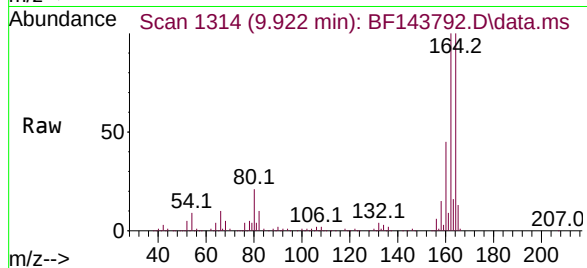
Tgt Ion:164 Resp: 252917

Ion Ratio Lower Upper

164 100

162 99.7 78.8 118.2

160 44.8 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.441 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Tgt Ion:216 Resp: 41527

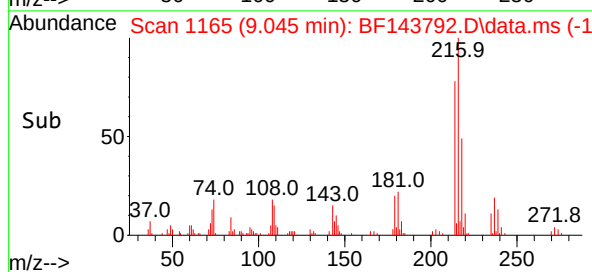
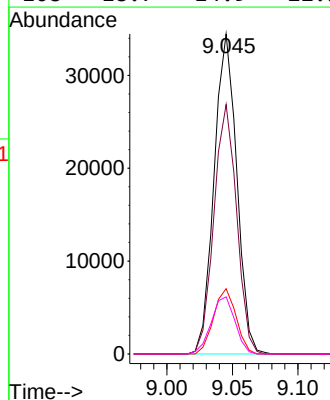
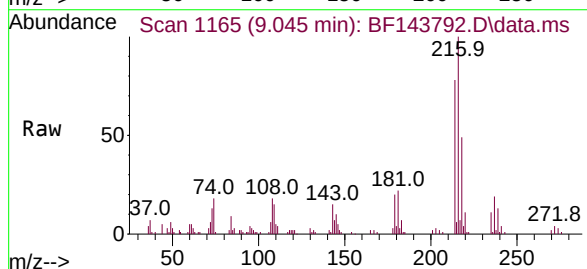
Ion Ratio Lower Upper

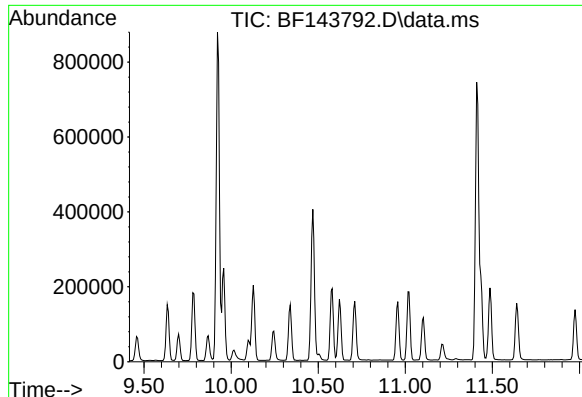
216 100

214 77.9 63.7 95.5

179 20.2 16.5 24.7

108 18.7 14.9 22.3





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.72 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

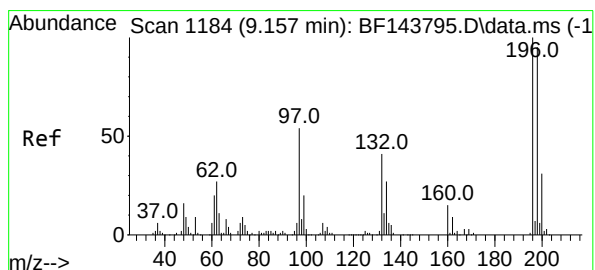
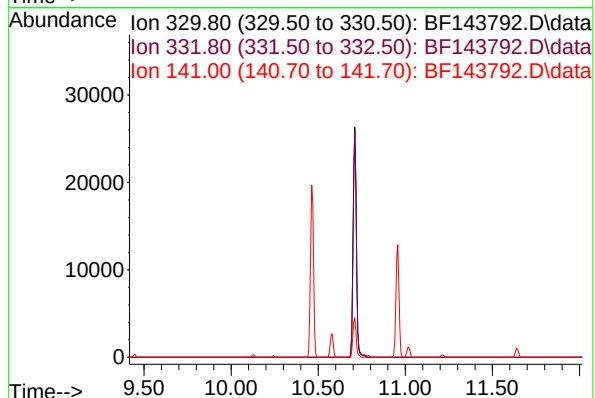
Tgt Ion: 330

Sig Exp Ratio

330 100

332 93.4

141 17.9



#43

2,4,6-Trichlorophenol

Concen: 4.555 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

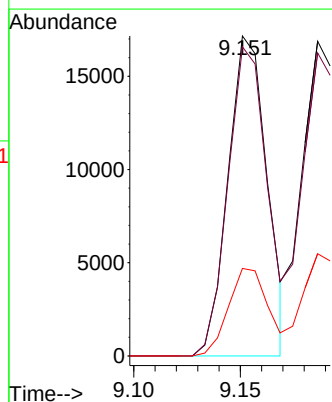
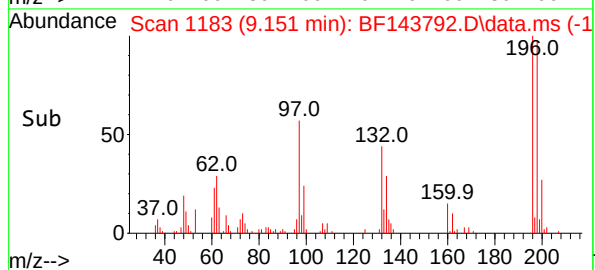
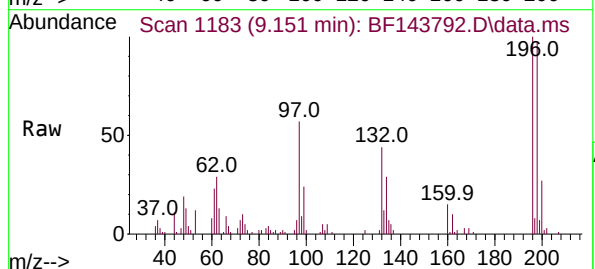
Tgt Ion:196 Resp: 21768

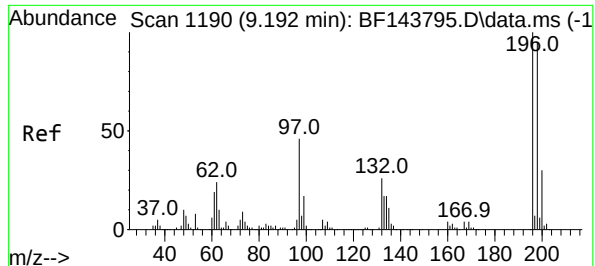
Ion Ratio Lower Upper

196 100

198 96.6 76.2 114.2

200 27.3 24.7 37.1





#44

2,4,5-Trichlorophenol

Concen: 4.692 ng

RT: 9.186 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143792.D

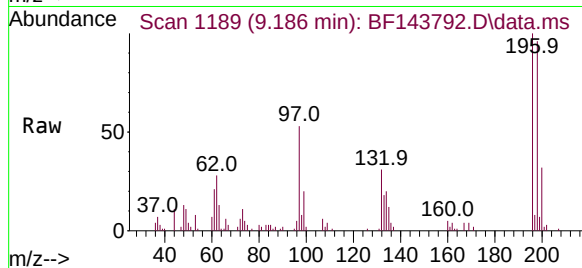
Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDIC005



Tgt Ion:196 Resp: 23454

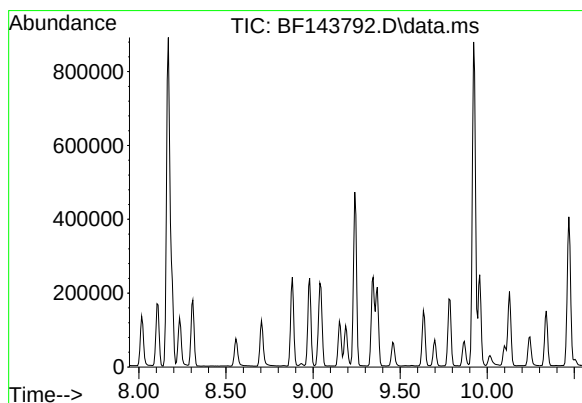
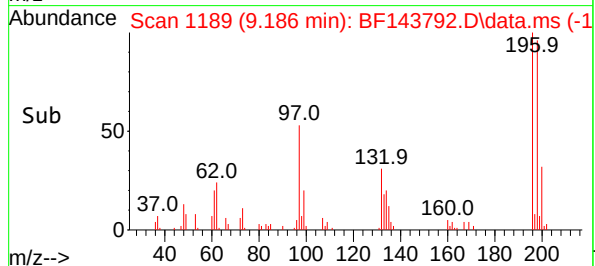
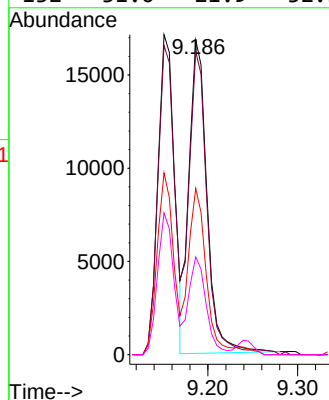
Ion Ratio Lower Upper

196 100

198 96.3 75.9 113.9

97 52.8 38.3 57.5

132 31.0 21.9 32.9



#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.25 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

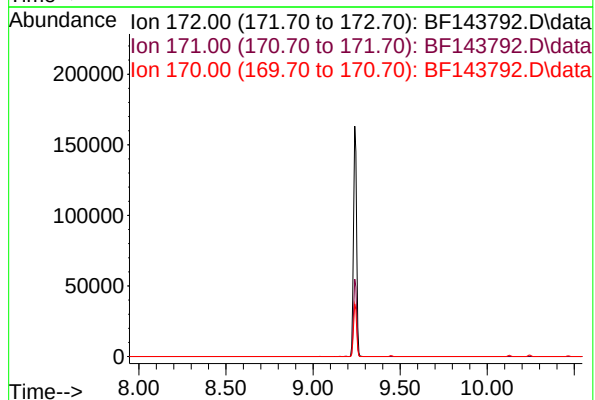
Tgt Ion: 172

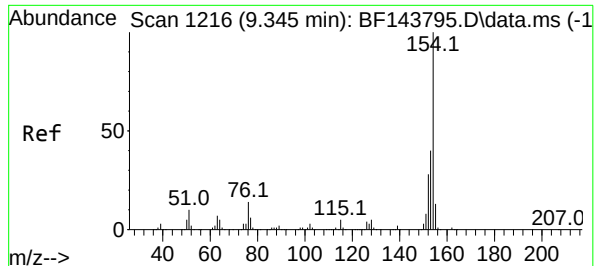
Sig Exp Ratio

172 100

171 34.9

170 23.9





#46

1,1'-Biphenyl

Concen: 5.552 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

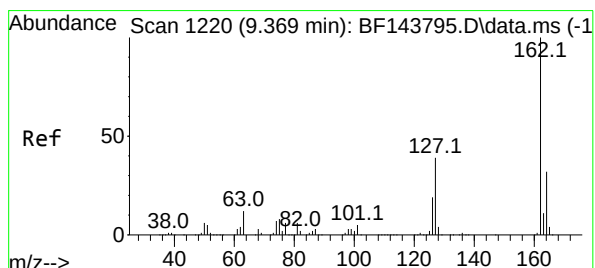
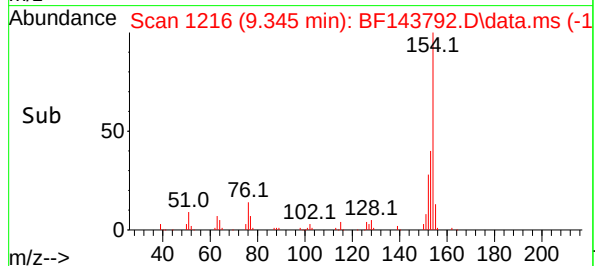
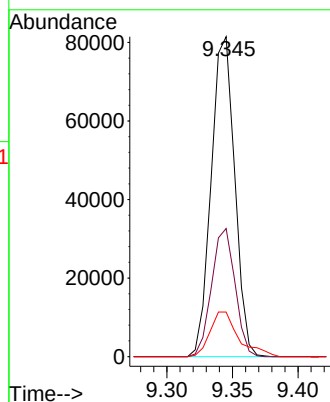
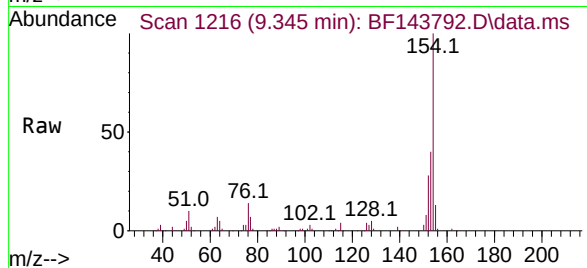
Tgt Ion:154 Resp: 101651

Ion Ratio Lower Upper

154 100

153 40.0 19.7 59.7

76 13.9 0.0 33.8



#47

2-Chloronaphthalene

Concen: 5.504 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

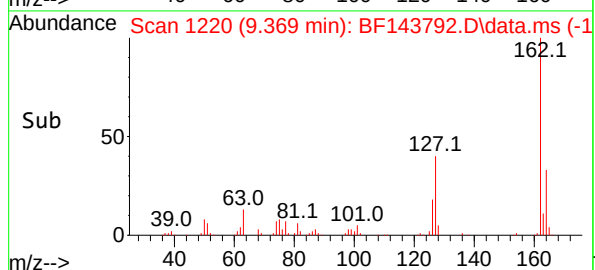
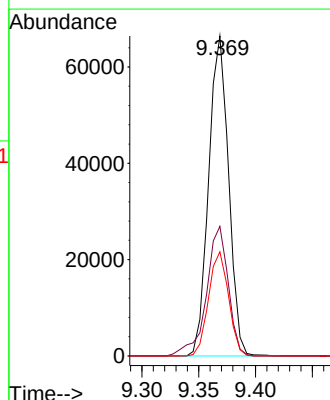
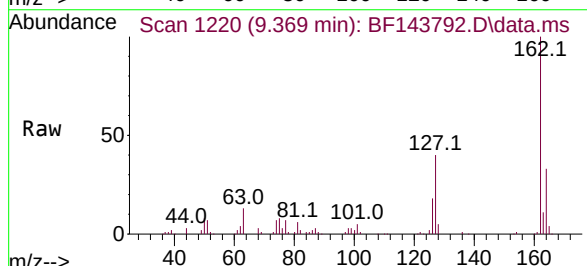
Tgt Ion:162 Resp: 81117

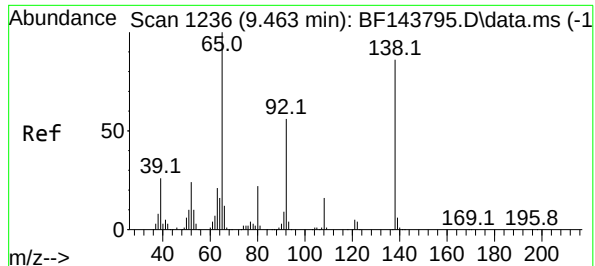
Ion Ratio Lower Upper

162 100

127 40.5 31.5 47.3

164 32.5 25.9 38.9





#48

2-Nitroaniline

Concen: 3.427 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

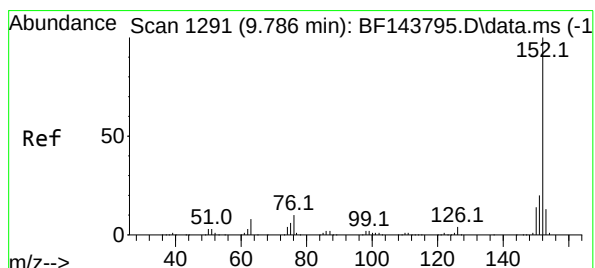
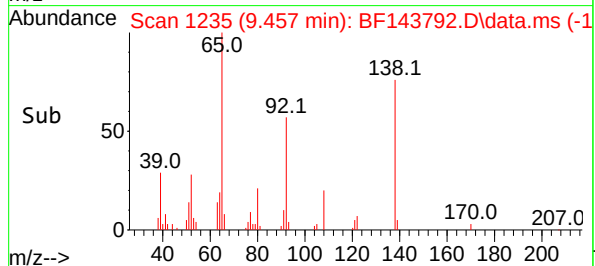
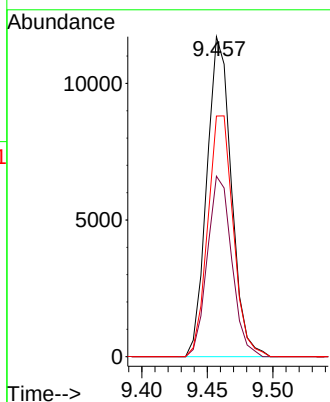
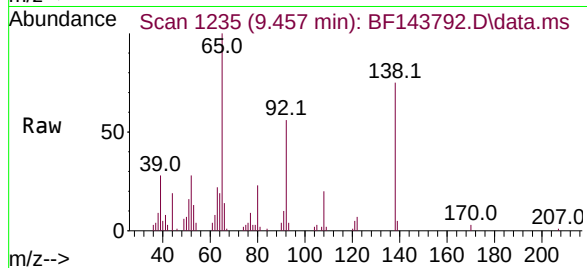
Tgt Ion: 65 Resp: 15262

Ion Ratio Lower Upper

65 100

92 56.4 44.9 67.3

138 75.2 69.0 103.4



#49

Acenaphthylene

Concen: 5.389 ng

RT: 9.786 min Scan# 1291

Delta R.T. -0.000 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

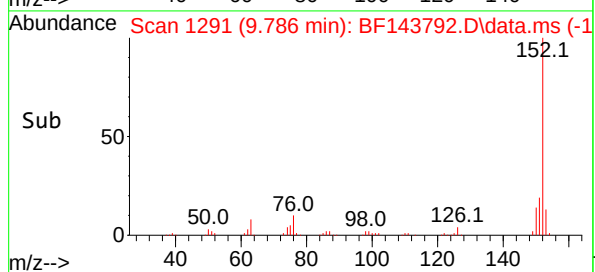
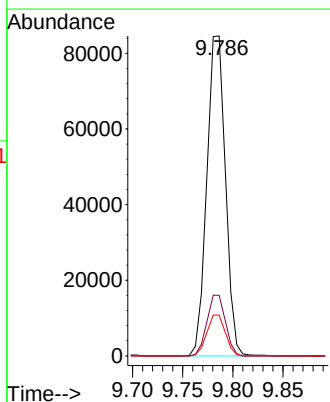
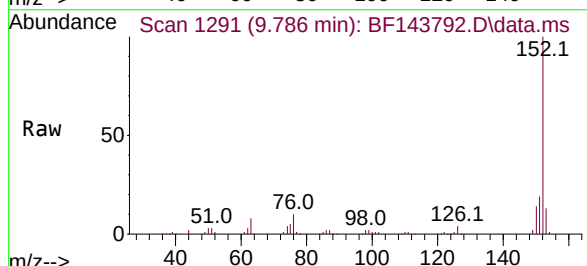
Tgt Ion: 152 Resp: 109327

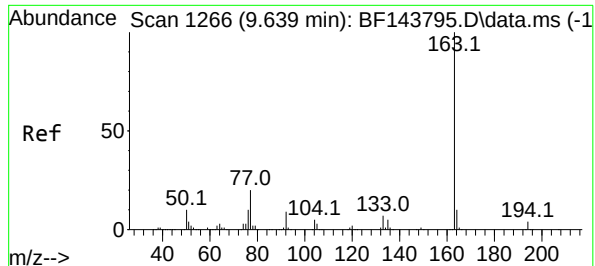
Ion Ratio Lower Upper

152 100

151 18.9 15.7 23.5

153 12.7 10.6 15.8

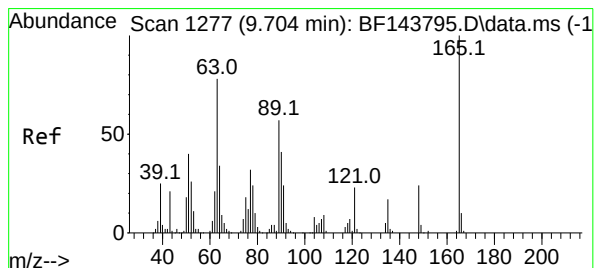
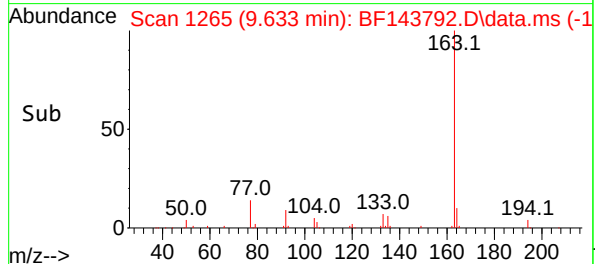
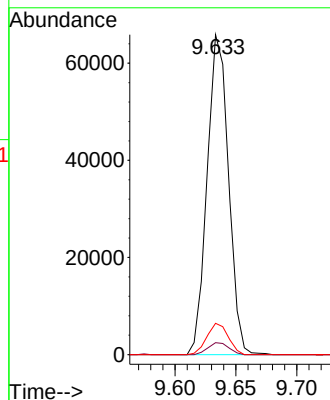
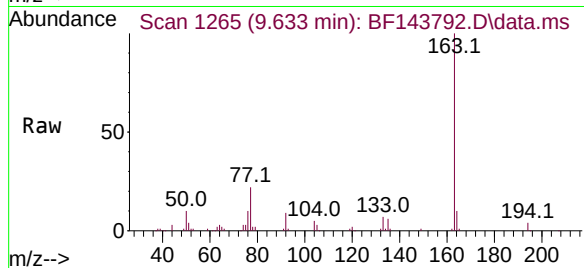




#50
Dimethylphthalate
Concen: 5.229 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

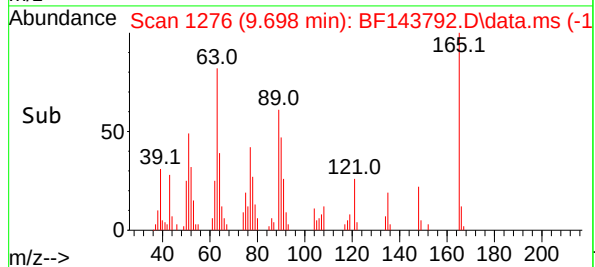
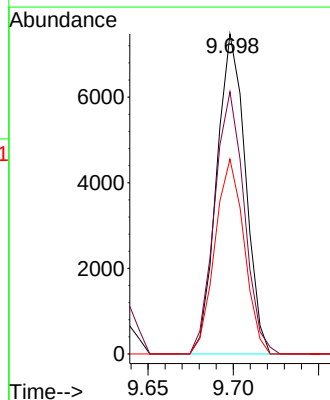
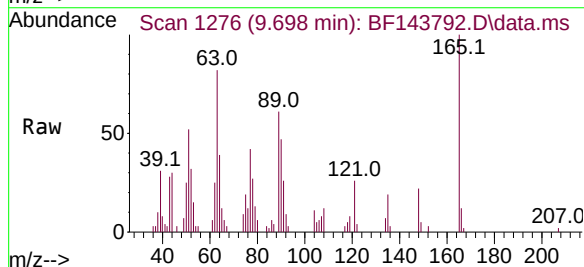
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

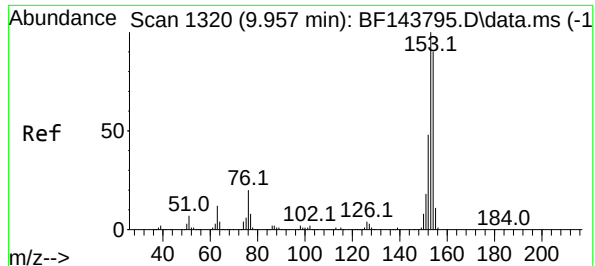
Tgt Ion:163 Resp: 80614
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 9.8 8.2 12.2



#51
2,6-Dinitrotoluene
Concen: 3.452 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion:165 Resp: 8744
Ion Ratio Lower Upper
165 100
63 81.9 62.6 94.0
89 60.9 45.2 67.8





#52

Acenaphthene

Concen: 5.372 ng

RT: 9.957 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

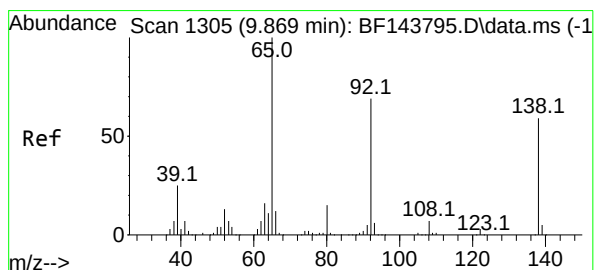
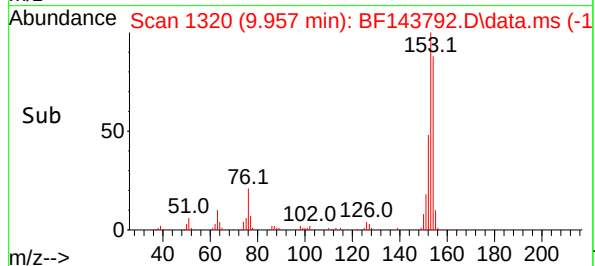
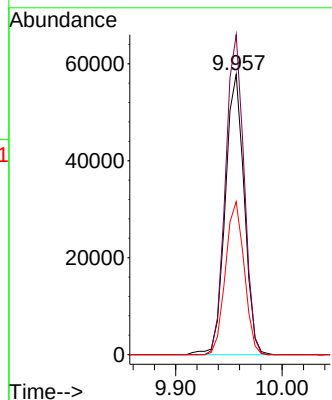
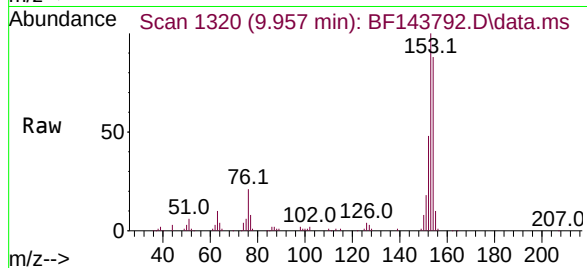
Tgt Ion:154 Resp: 71713

Ion Ratio Lower Upper

154 100

153 114.2 88.7 133.1

152 54.6 42.7 64.1



#53

3-Nitroaniline

Concen: 3.526 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

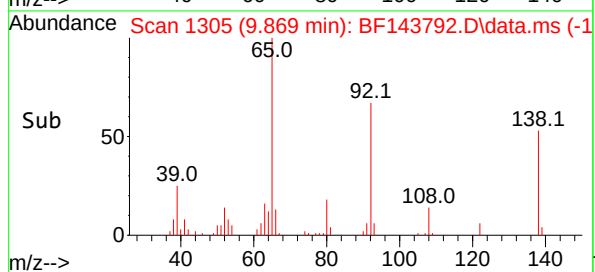
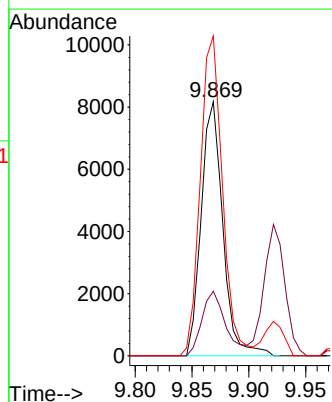
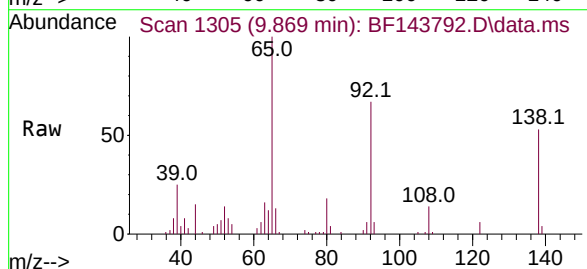
Tgt Ion:138 Resp: 10825

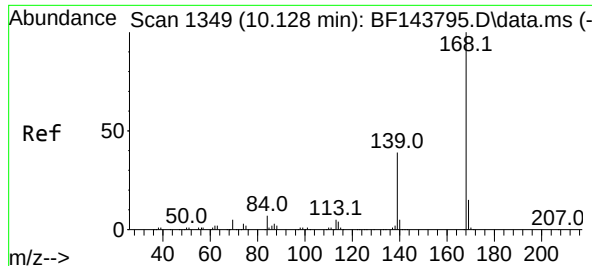
Ion Ratio Lower Upper

138 100

108 25.4 9.9 14.9#

92 125.9 93.5 140.3





#55

Dibenzofuran

Concen: 5.524 ng

RT: 10.127 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

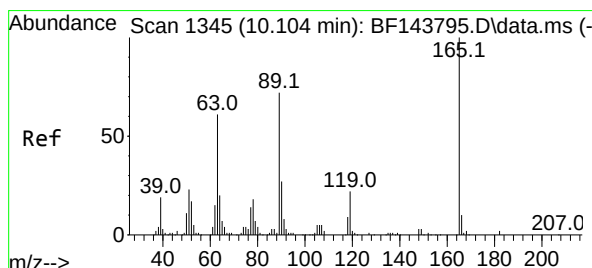
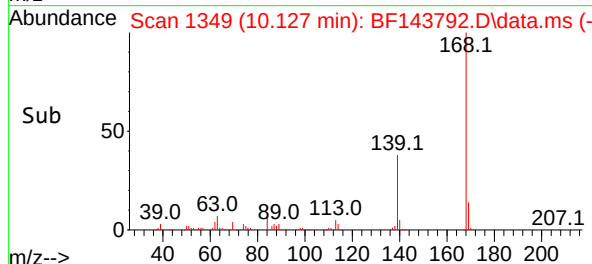
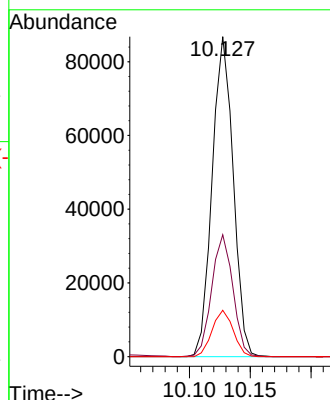
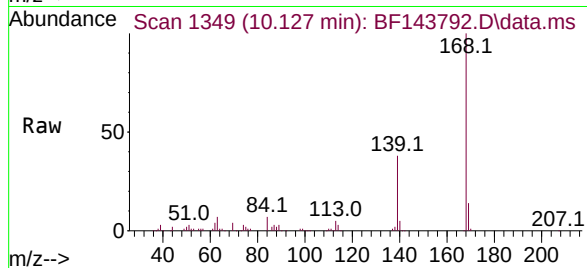
Tgt Ion:168 Resp: 104283

Ion Ratio Lower Upper

168 100

139 38.1 31.0 46.6

169 14.5 11.9 17.9



#57

2,4-Dinitrotoluene

Concen: 5.298 ng

RT: 10.098 min Scan# 1344

Delta R.T. -0.012 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Tgt Ion:165 Resp: 9518

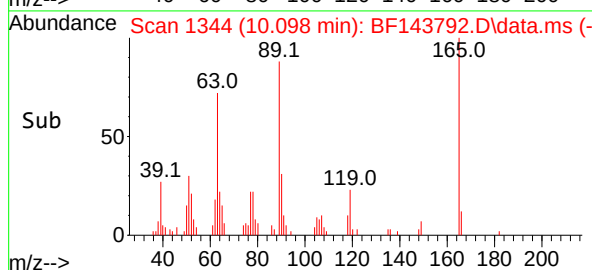
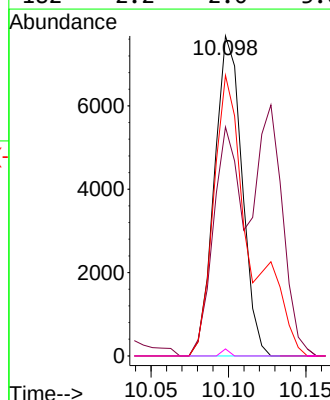
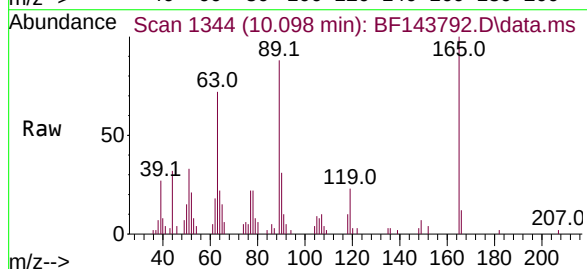
Ion Ratio Lower Upper

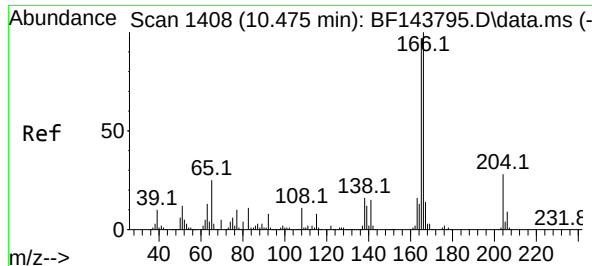
165 100

63 71.5 48.9 73.3

89 87.7 57.5 86.3#

182 2.2 2.0 3.0

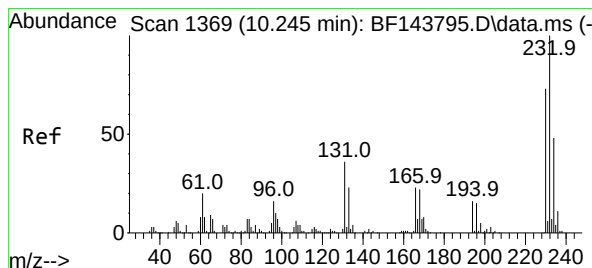
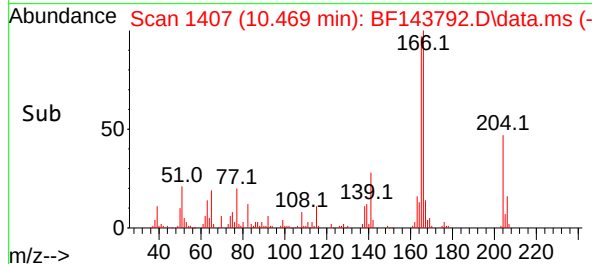
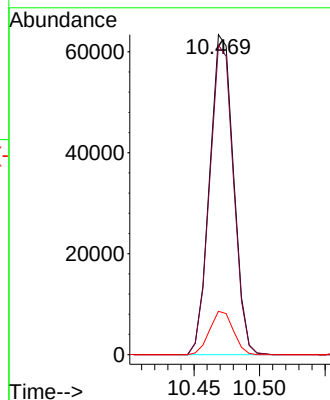
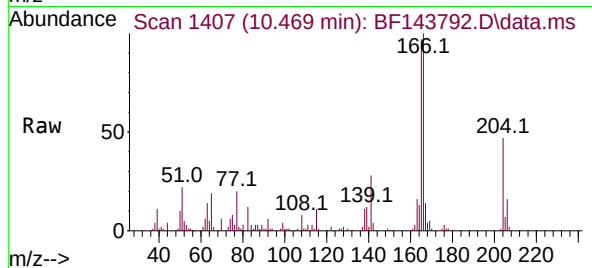




#58
Fluorene
Concen: 5.745 ng
RT: 10.469 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

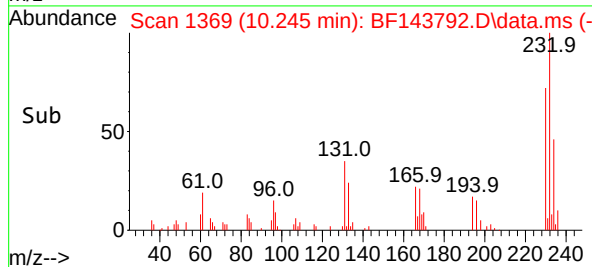
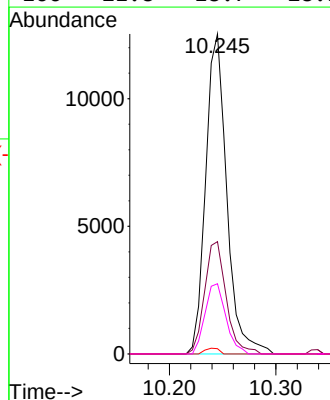
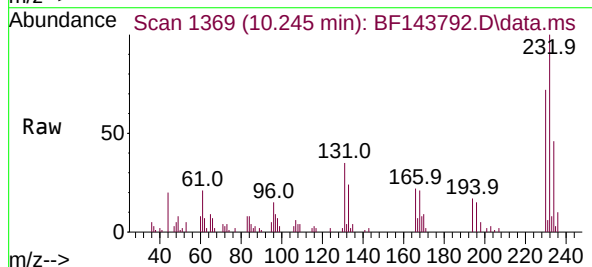
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

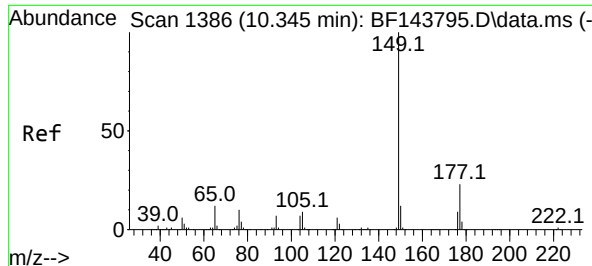
Tgt Ion:166 Resp: 80629
Ion Ratio Lower Upper
166 100
165 96.7 78.0 117.0
167 13.5 10.9 16.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.017 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion:232 Resp: 17203
Ion Ratio Lower Upper
232 100
131 35.9 29.4 44.2
130 1.2 1.3 1.9#
166 21.8 18.7 28.1

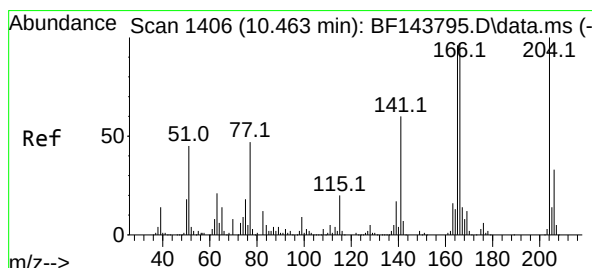
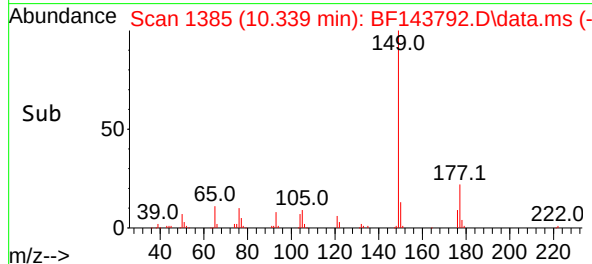
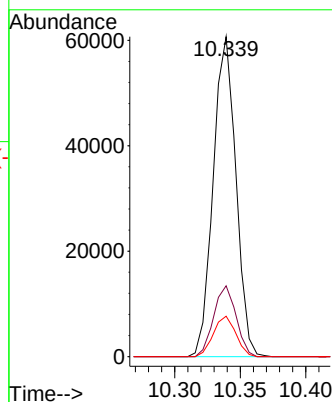
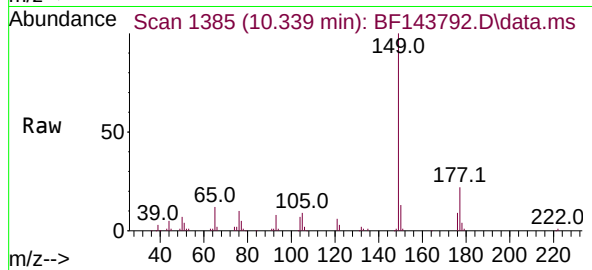




#60
Diethylphthalate
Concen: 5.076 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

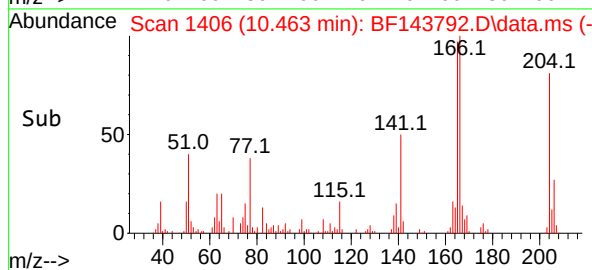
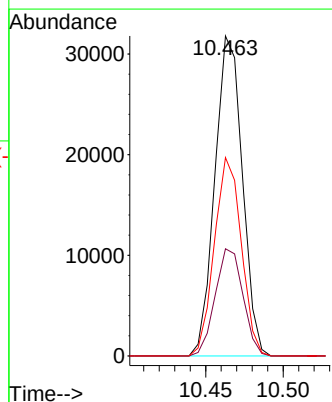
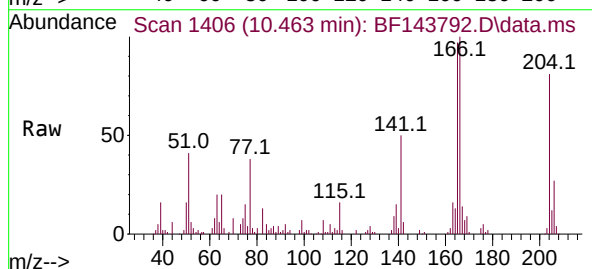
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

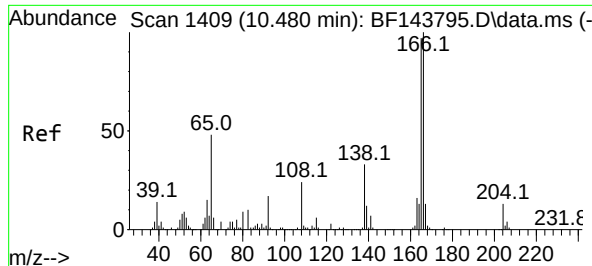
Tgt Ion:149 Resp: 73247
Ion Ratio Lower Upper
149 100
177 22.1 18.1 27.1
150 12.6 9.7 14.5



#61
4-Chlorophenyl-phenylether
Concen: 5.487 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion:204 Resp: 39239
Ion Ratio Lower Upper
204 100
206 33.5 26.7 40.1
141 62.0 48.2 72.2

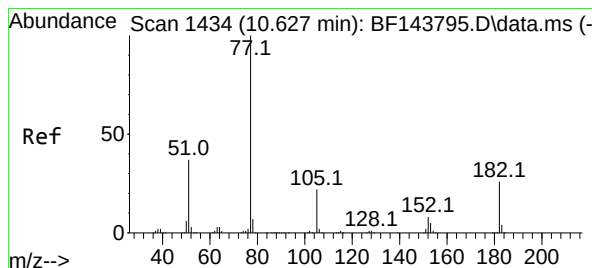
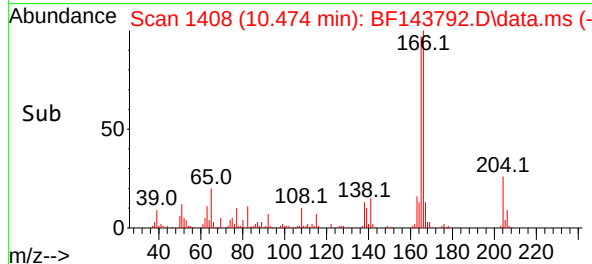
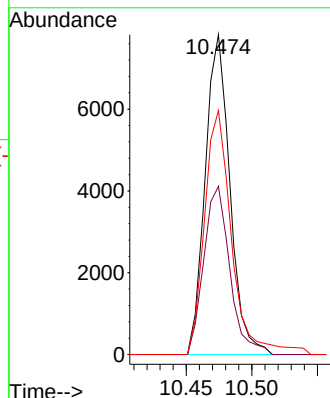
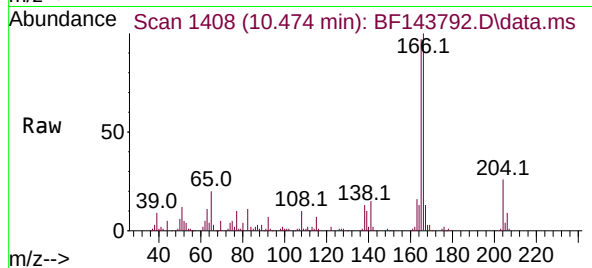




#62
4-Nitroaniline
Concen: 3.554 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

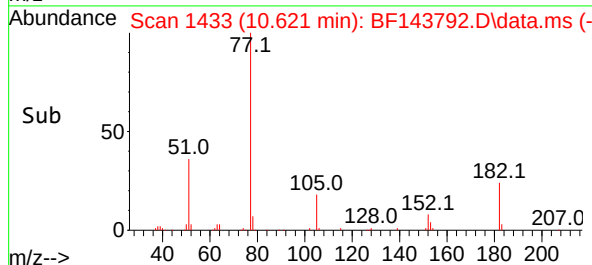
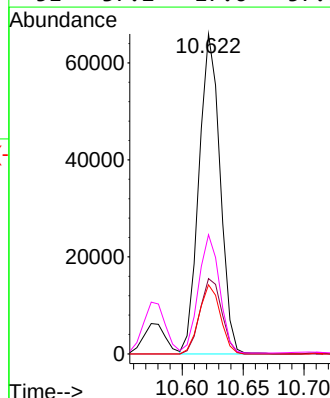
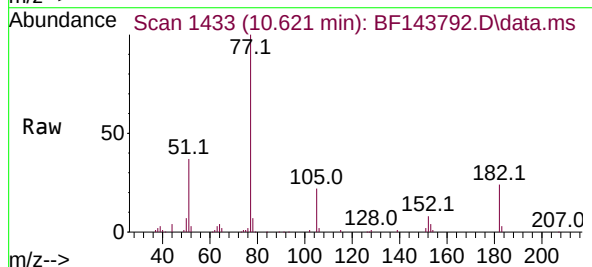
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

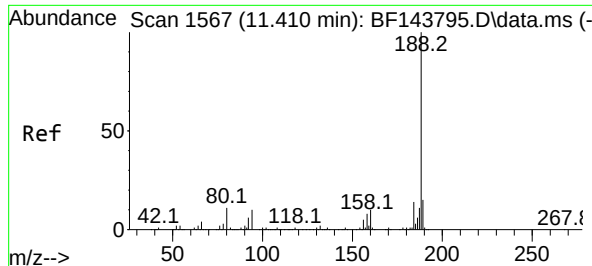
Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.6	31.5	71.5
108	76.3	51.9	91.9



#63
Azobenzene
Concen: 5.240 ng
RT: 10.621 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.5	5.9	45.9
105	21.6	2.3	42.3
51	37.2	17.6	57.6

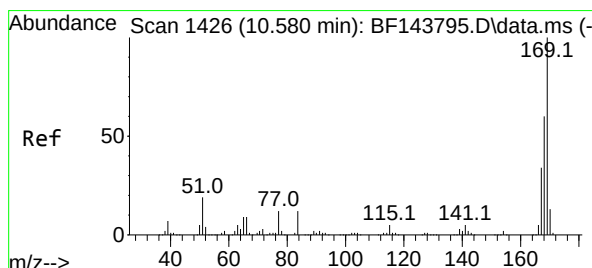
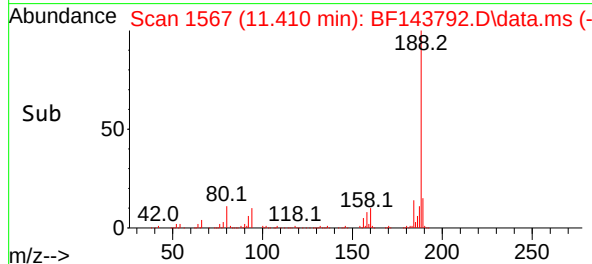
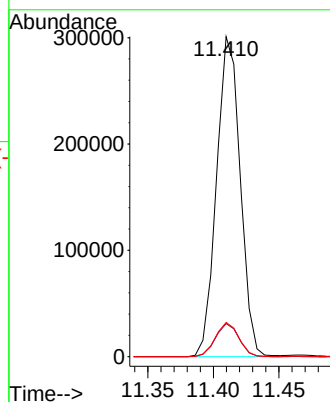
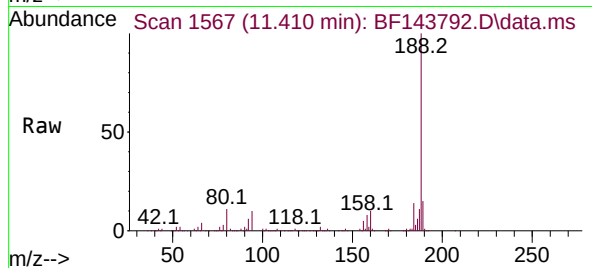




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

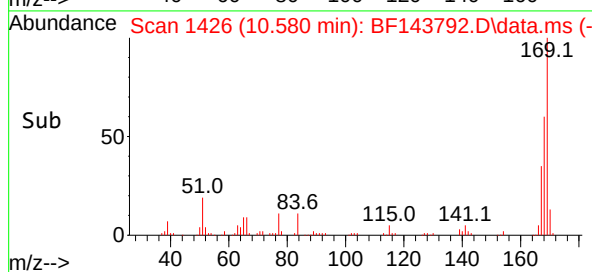
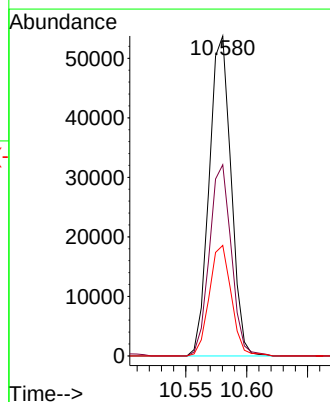
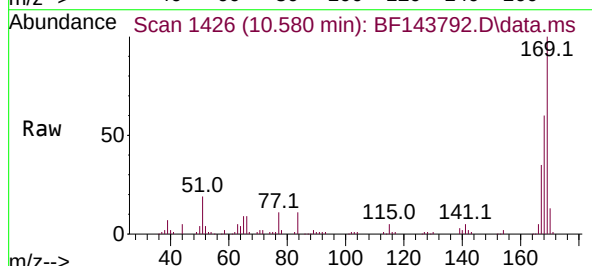
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

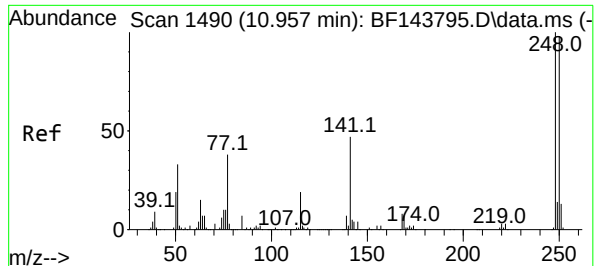
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.2
80	10.7	8.6	12.8



#66
n-Nitrosodiphenylamine
Concen: 5.378 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion	Ratio	Lower	Upper
169	100		
168	59.7	47.9	71.9
167	34.5	27.0	40.6

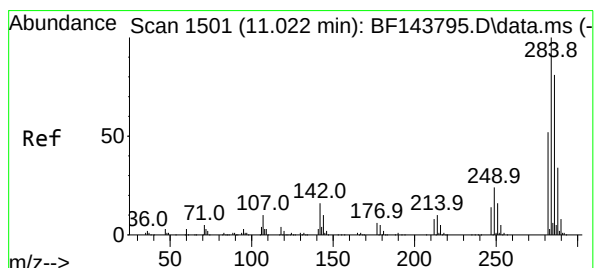
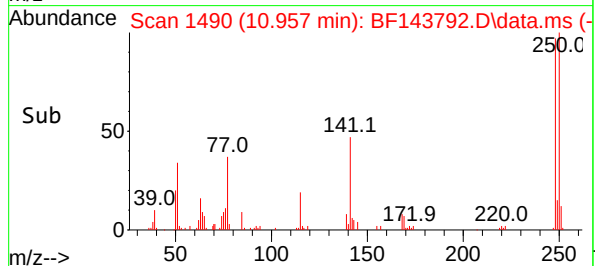
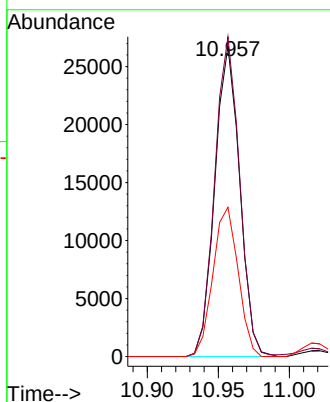
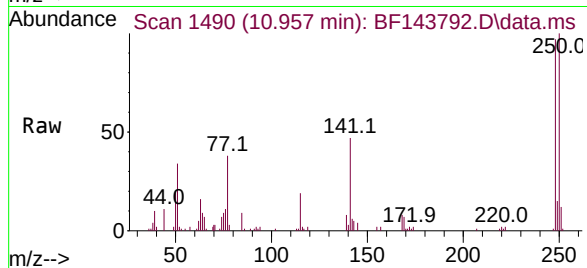




#67
4-Bromophenyl-phenylether
Concen: 5.047 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

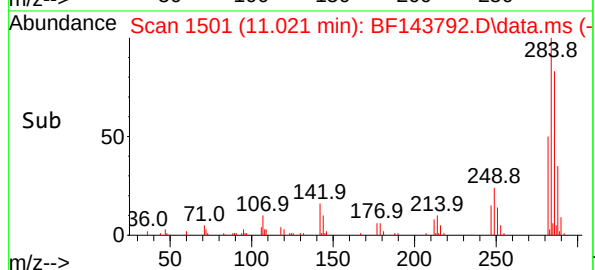
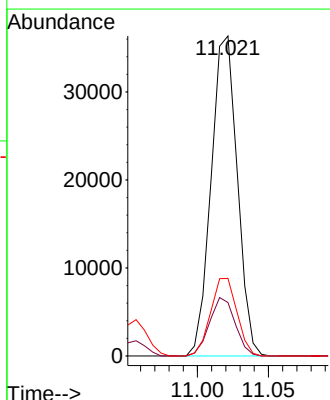
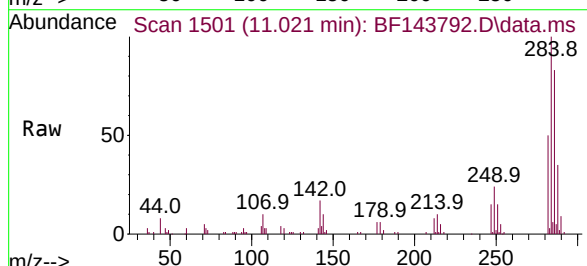
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

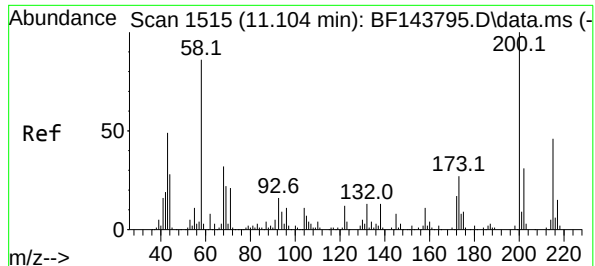
Tgt Ion:248 Resp: 32607
Ion Ratio Lower Upper
248 100
250 103.0 78.7 118.1
141 48.1 37.9 56.9



#68
Hexachlorobenzene
Concen: 5.238 ng
RT: 11.021 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion:284 Resp: 46642
Ion Ratio Lower Upper
284 100
142 16.7 13.1 19.7
249 24.2 19.5 29.3





#69

Atrazine

Concen: 4.683 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

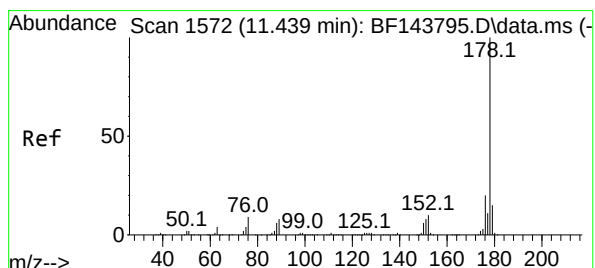
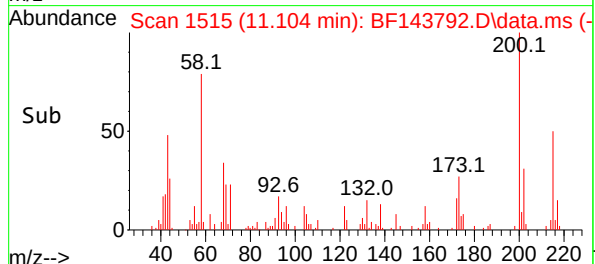
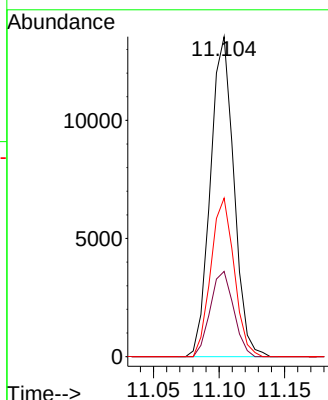
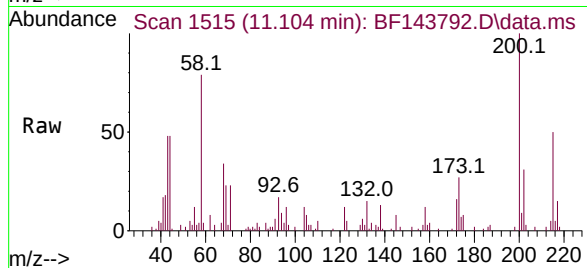
Tgt Ion:200 Resp: 16909

Ion Ratio Lower Upper

200 100

173 26.6 7.2 47.2

215 49.5 26.0 66.0



#71

Phenanthrene

Concen: 5.577 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

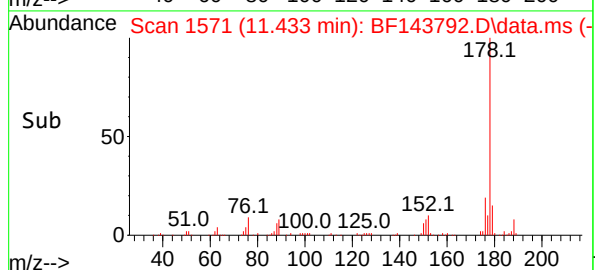
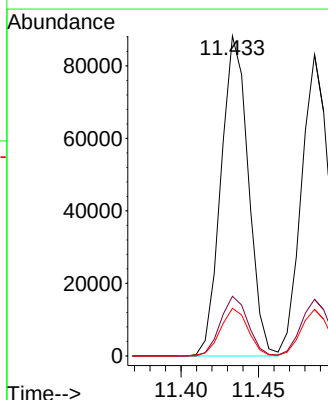
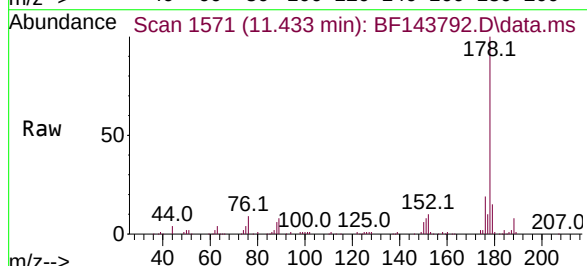
Tgt Ion:178 Resp: 108554

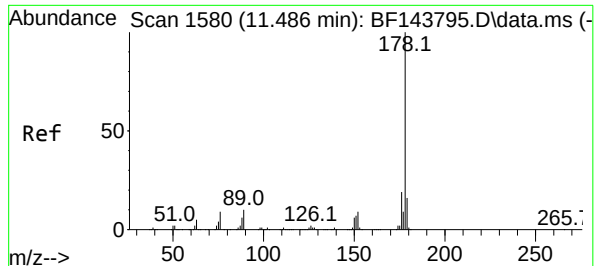
Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

179 14.9 12.2 18.4

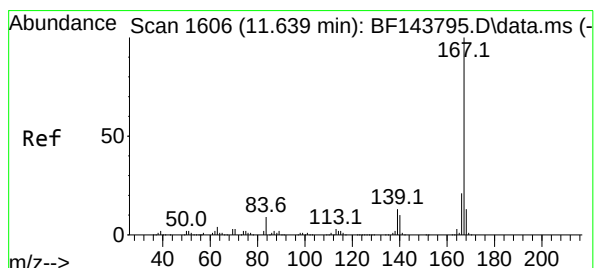
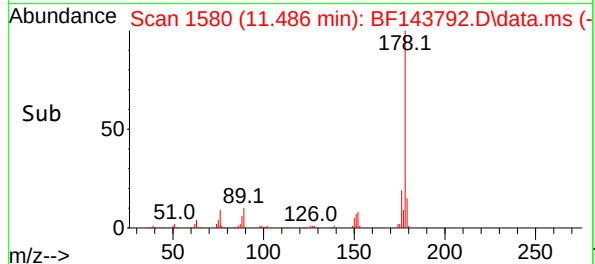
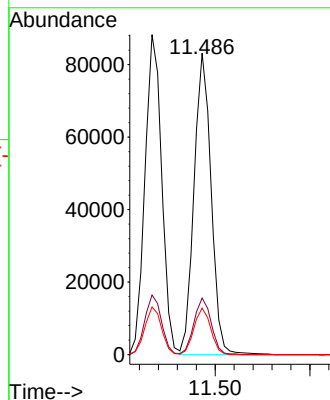
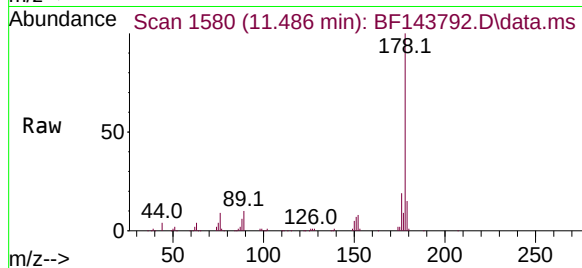




#72
Anthracene
Concen: 5.322 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

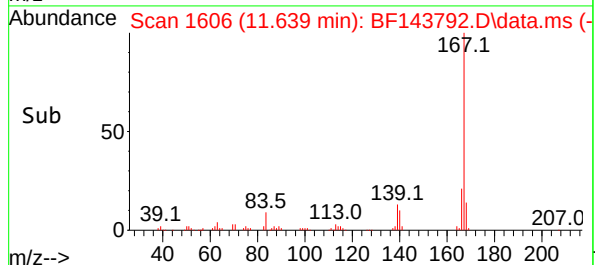
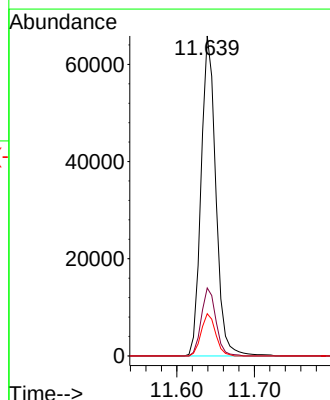
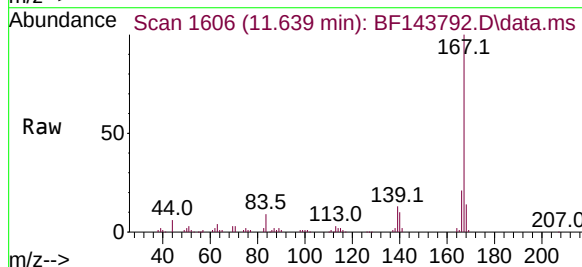
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

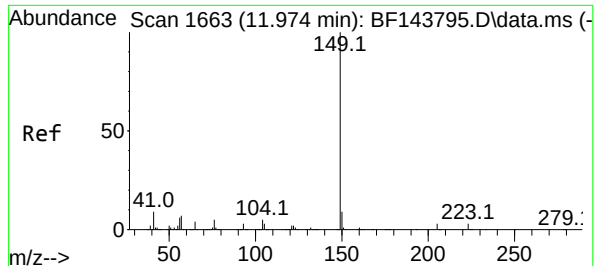
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.4	12.8	19.2



#73
Carbazole
Concen: 5.086 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	13.2	10.6	15.8

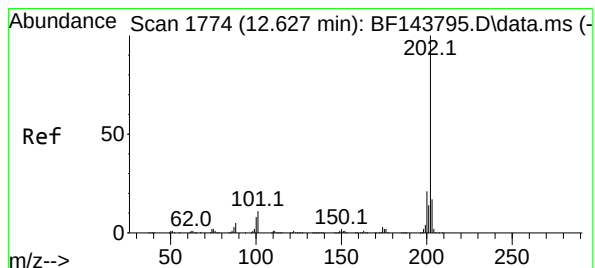
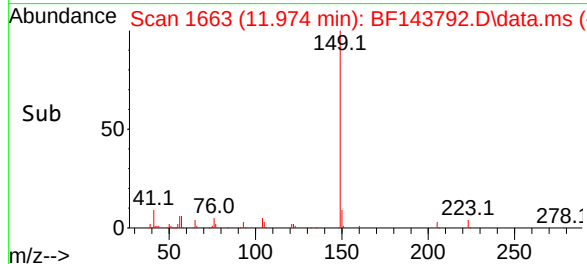
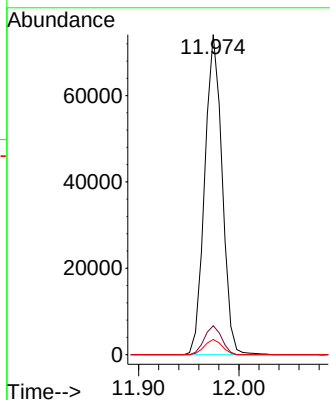
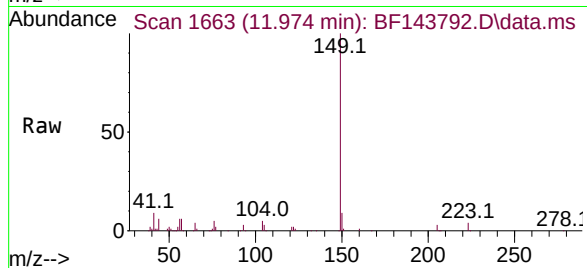




#74
Di-n-butylphthalate
Concen: 4.538 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.000 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

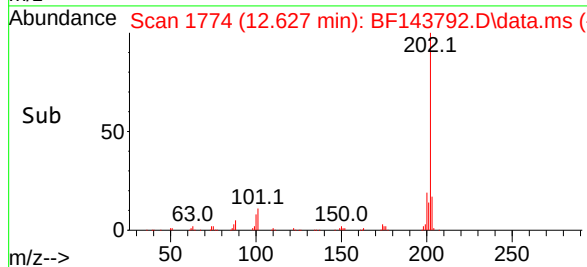
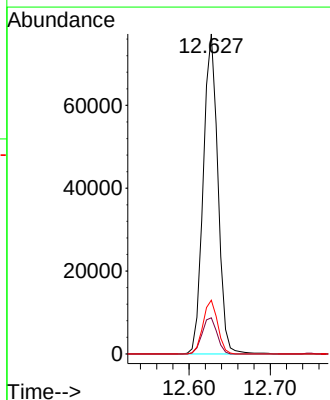
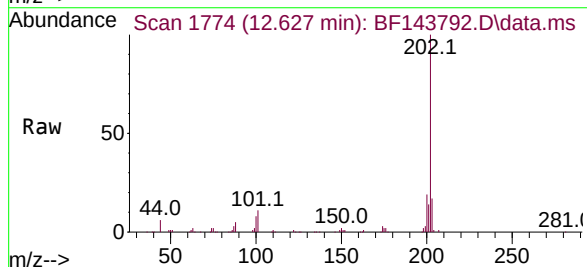
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

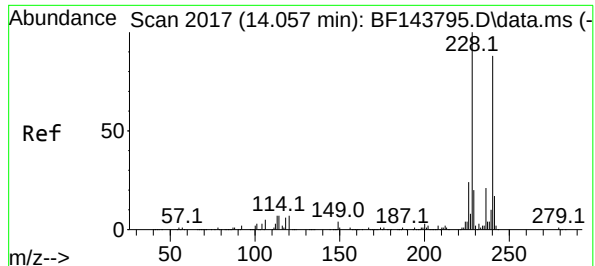
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.7	3.6	5.4



#75
Fluoranthene
Concen: 4.932 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.1
203	16.8	0.0	37.4

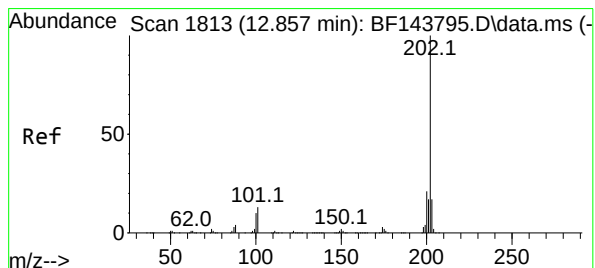
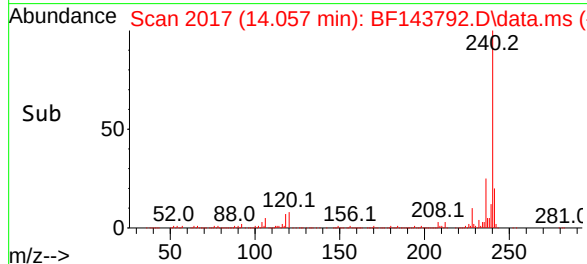
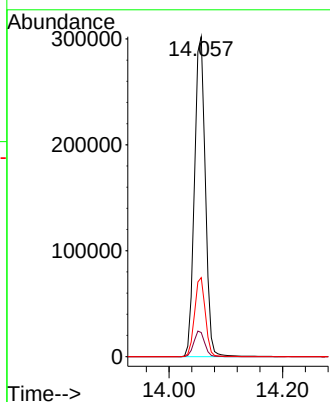
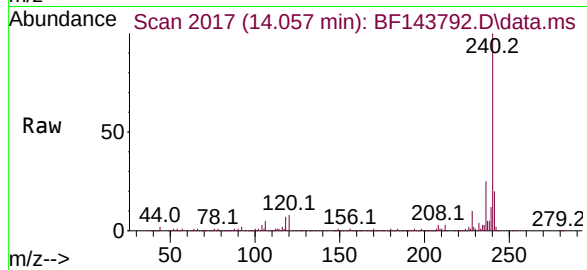




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

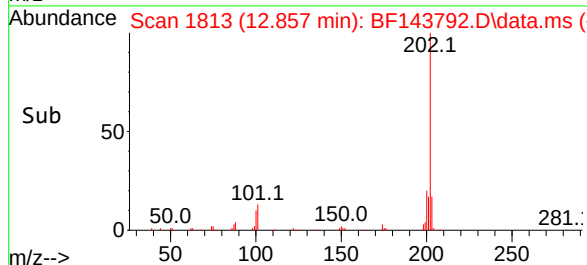
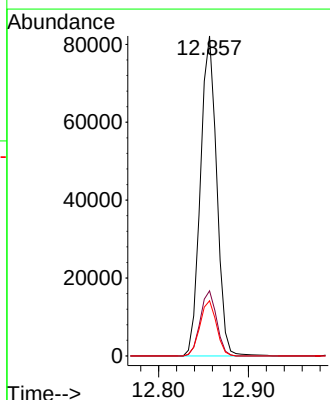
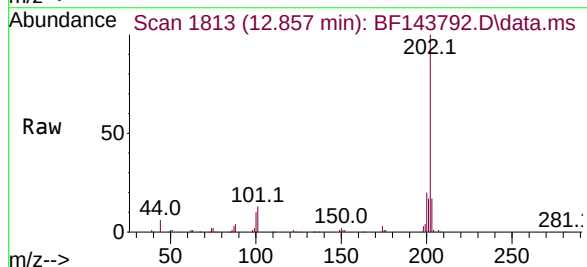
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

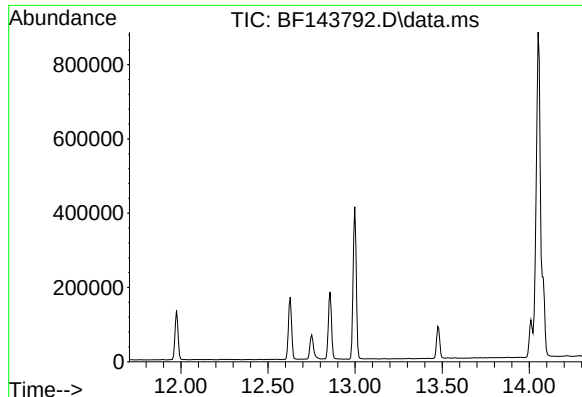
Tgt Ion:240 Resp: 398321
Ion Ratio Lower Upper
240 100
120 7.5 6.2 9.4
236 24.7 19.4 29.2



#78
Pyrene
Concen: 5.279 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion:202 Resp: 103385
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.4
203 17.2 13.9 20.9





#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 13.00 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

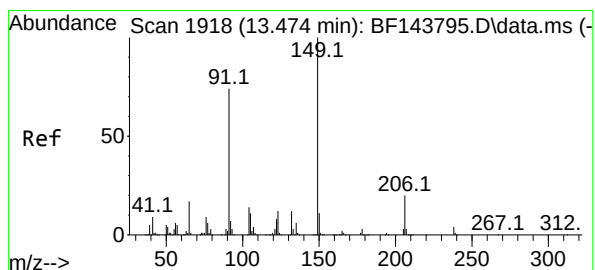
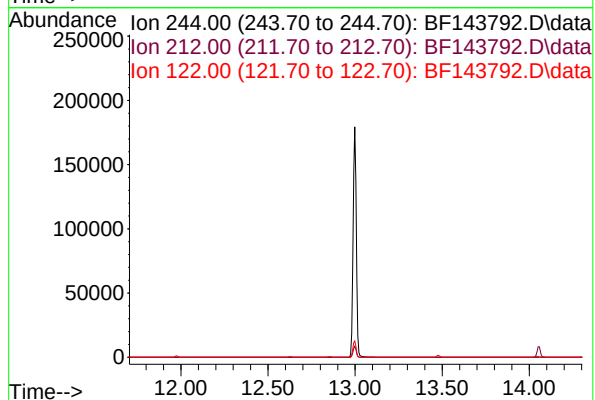
Tgt Ion: 244

Sig Exp Ratio

244 100

212 4.9

122 7.0



#80

Butylbenzylphthalate

Concen: 3.695 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

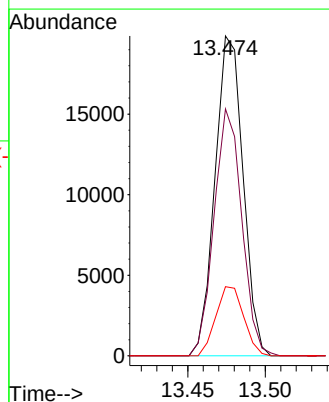
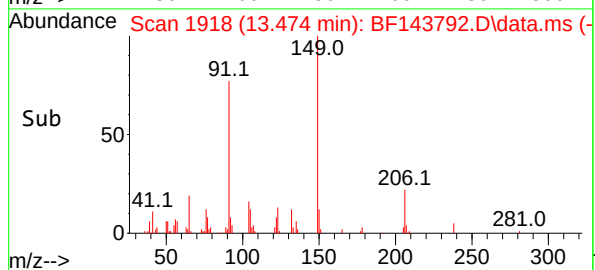
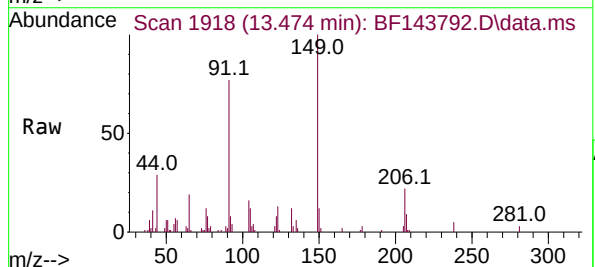
Tgt Ion:149 Resp: 25033

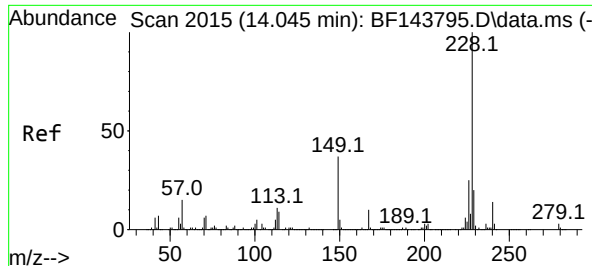
Ion Ratio Lower Upper

149 100

91 77.2 59.5 89.3

206 21.6 16.1 24.1

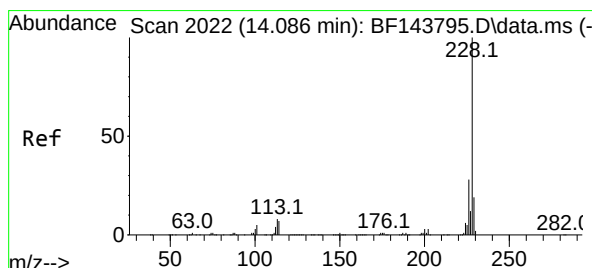
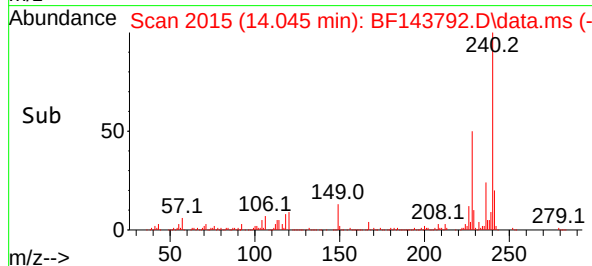
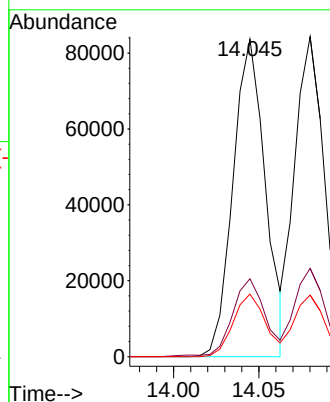
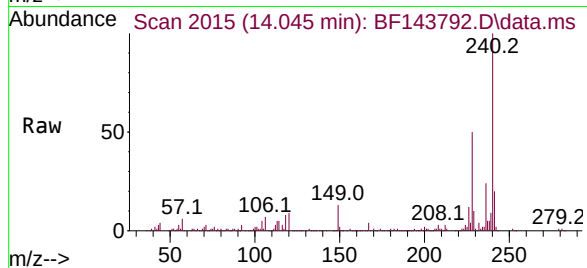




#81
Benzo(a)anthracene
Concen: 5.163 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

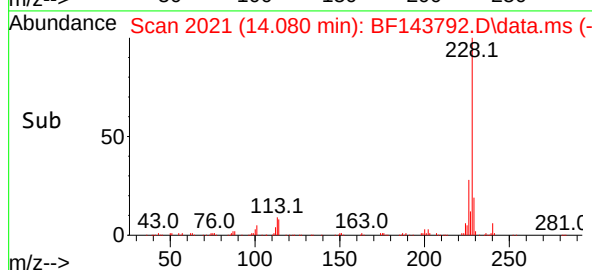
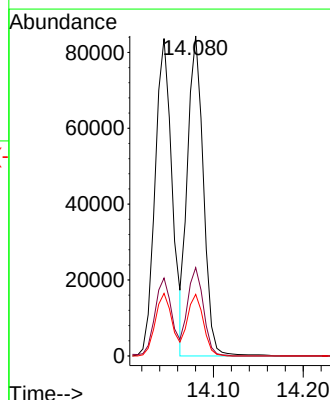
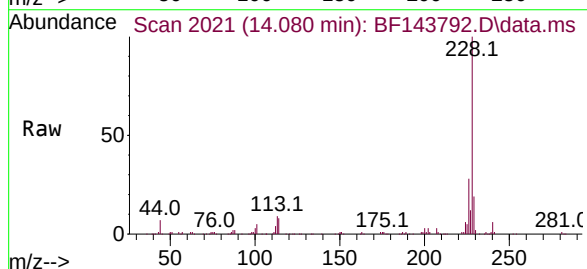
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

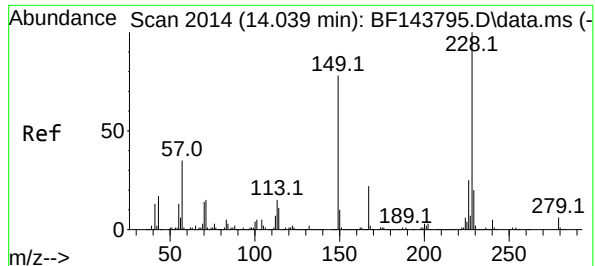
Tgt Ion:228 Resp: 110473
Ion Ratio Lower Upper
228 100
226 24.5 20.2 30.2
229 19.7 16.1 24.1



#83
Chrysene
Concen: 5.353 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion:228 Resp: 103643
Ion Ratio Lower Upper
228 100
226 27.6 22.6 33.8
229 19.2 15.6 23.4

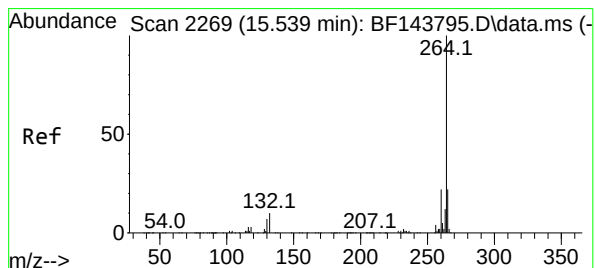
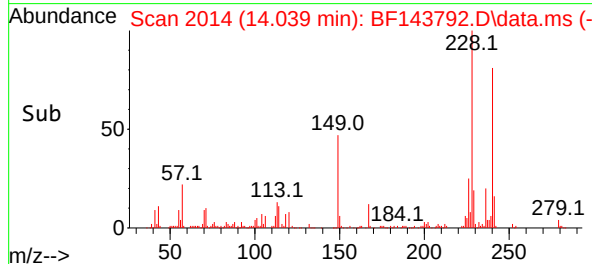
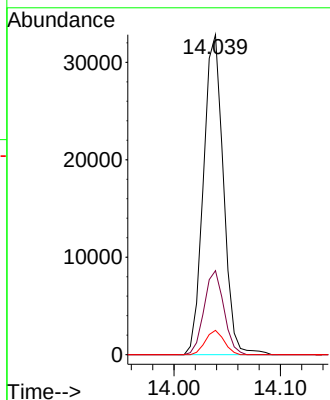
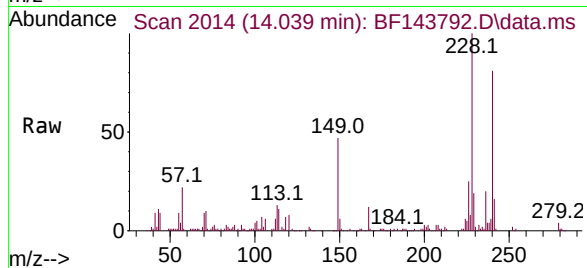




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.295 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

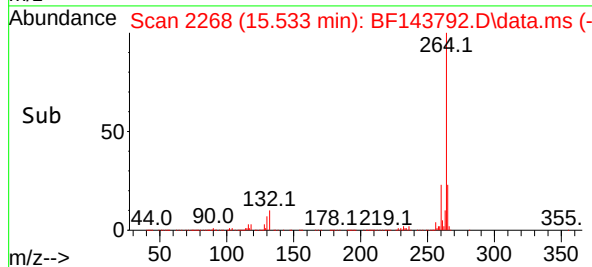
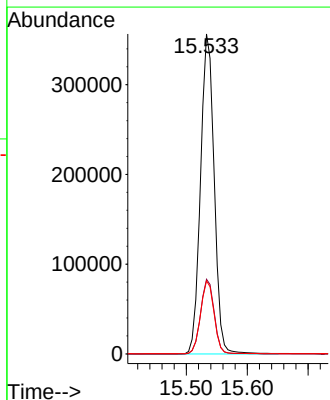
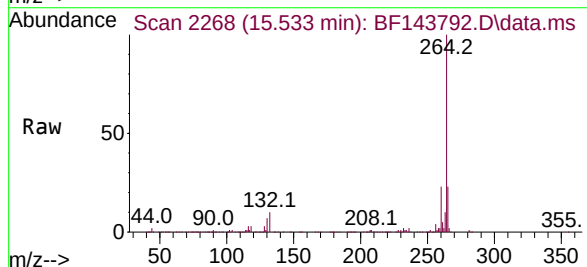
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

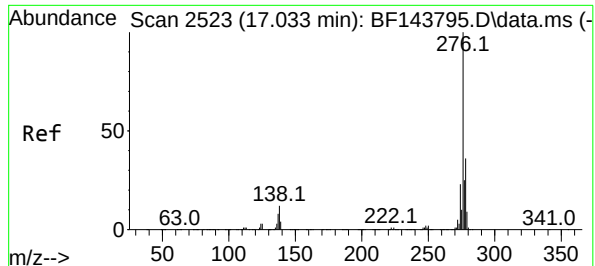
Tgt Ion:149 Resp: 42651
Ion Ratio Lower Upper
149 100
167 26.2 22.2 33.2
279 7.6 6.0 9.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion:264 Resp: 555053
Ion Ratio Lower Upper
264 100
260 23.4 17.9 26.9
265 22.8 17.7 26.5

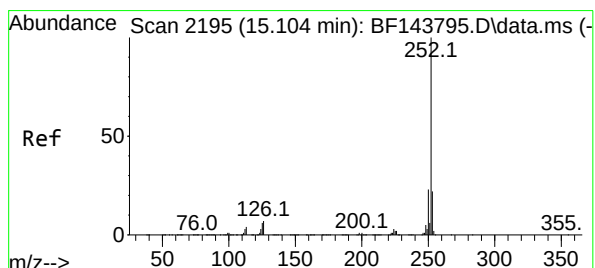
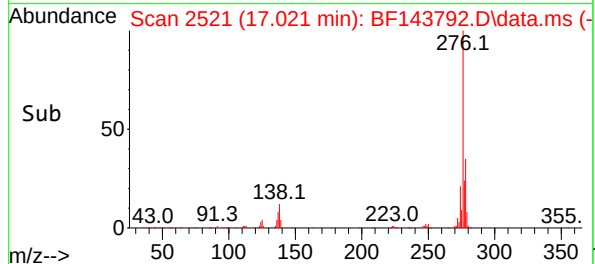
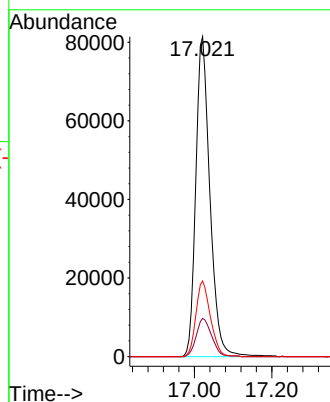
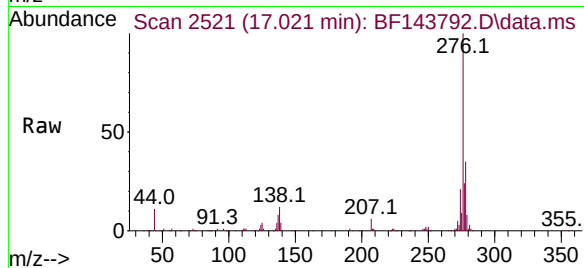




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.886 ng
RT: 17.021 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

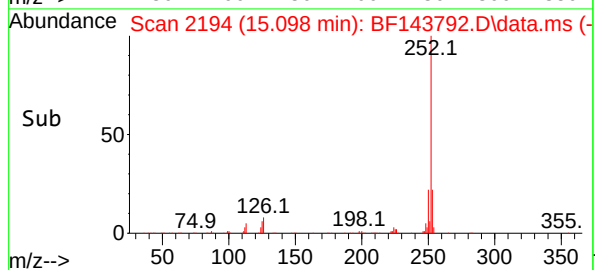
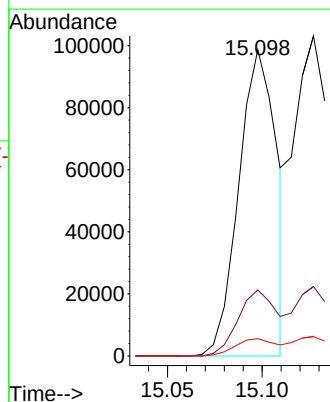
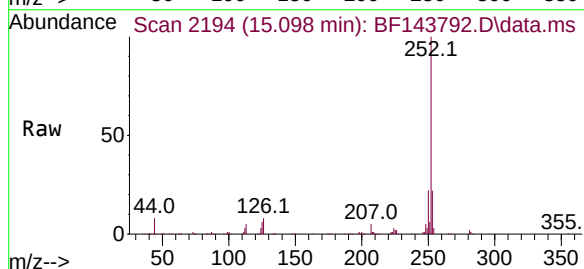
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

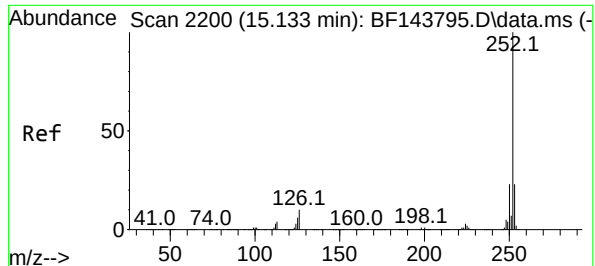
Tgt Ion:276 Resp: 205787
Ion Ratio Lower Upper
276 100
138 13.0 10.6 15.8
277 24.3 20.7 31.1



#88
Benzo(b)fluoranthene
Concen: 4.847 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion:252 Resp: 137015
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 5.6 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 5.184 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

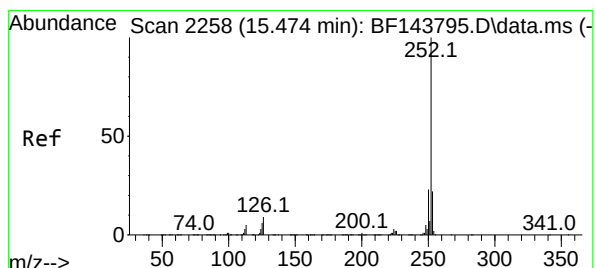
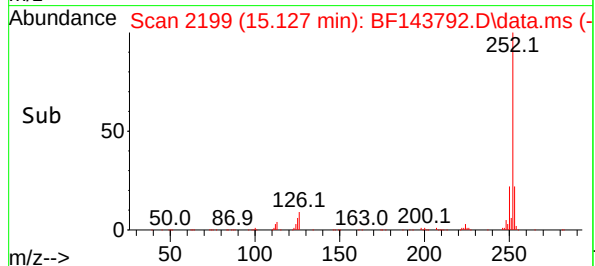
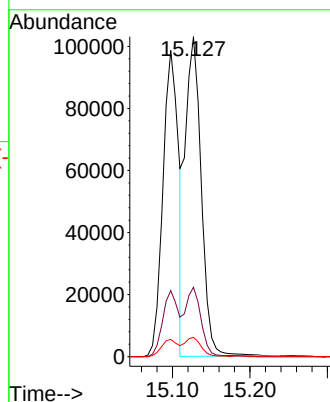
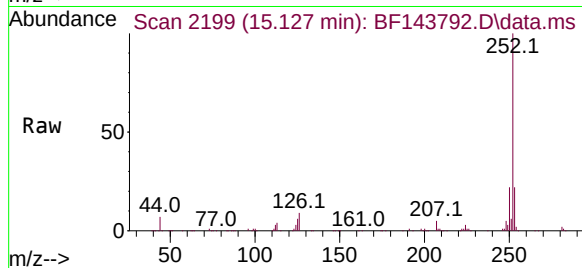
Tgt Ion:252 Resp: 147201

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

125 6.0 4.6 6.8



#90

Benzo(a)pyrene

Concen: 4.848 ng

RT: 15.468 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF143792.D

Acq: 23 Sep 2025 10:58

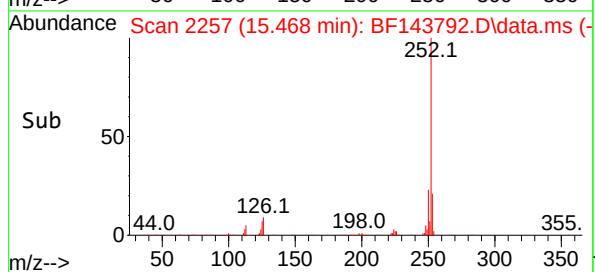
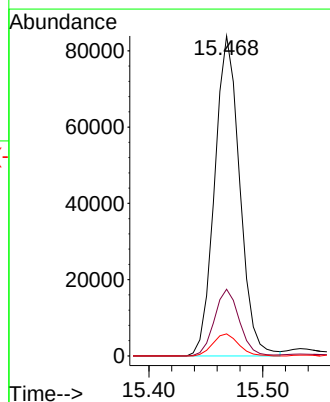
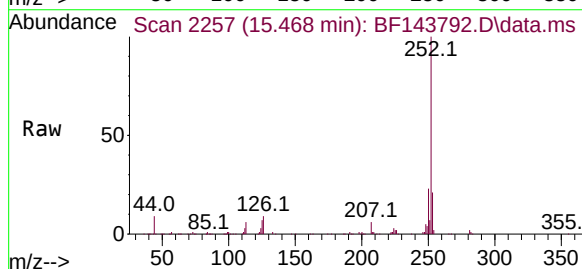
Tgt Ion:252 Resp: 128819

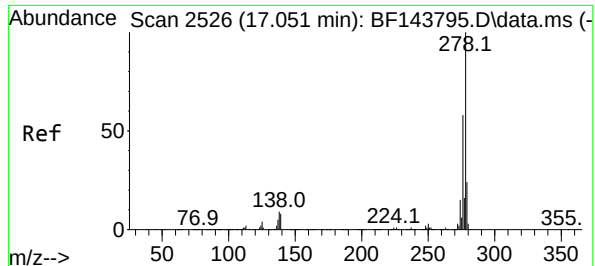
Ion Ratio Lower Upper

252 100

253 20.8 17.6 26.4

125 6.9 5.0 7.4

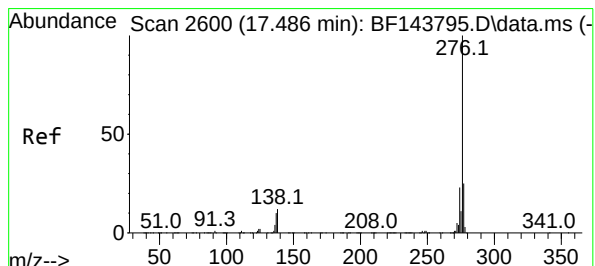
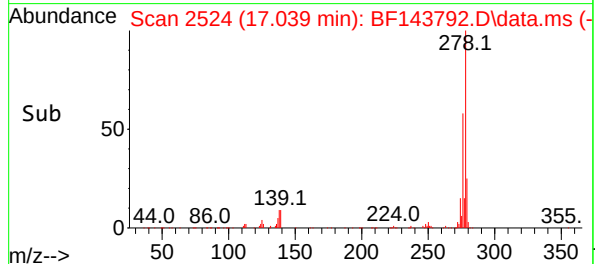
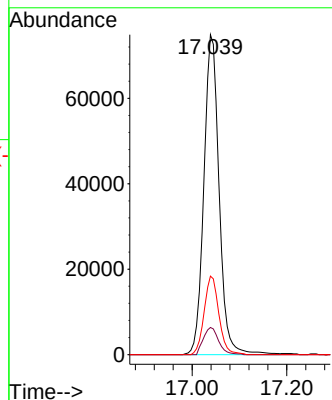
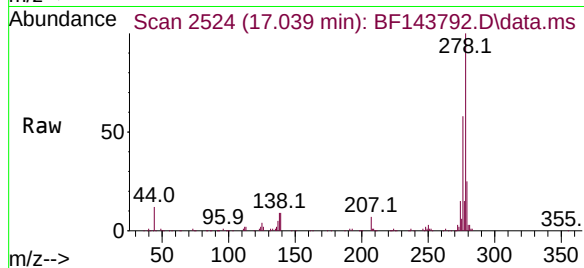




#91
Dibenzo(a,h)anthracene
Concen: 4.862 ng
RT: 17.039 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

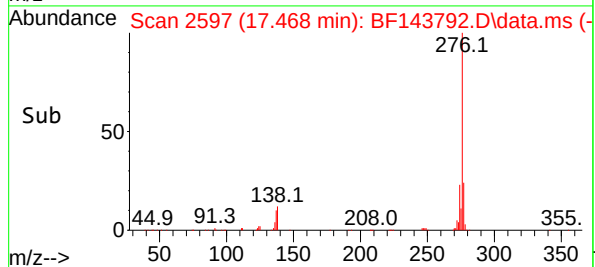
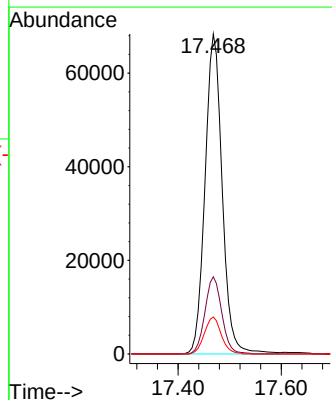
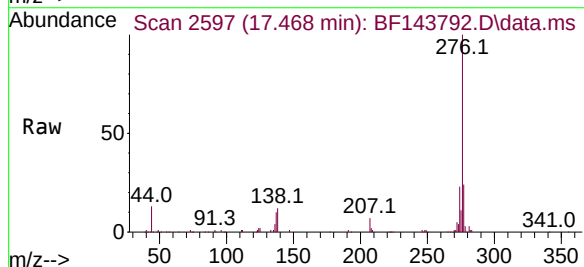
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 167469
Ion Ratio Lower Upper
278 100
139 8.5 6.7 10.1
279 24.5 19.3 28.9



#92
Benzo(g,h,i)perylene
Concen: 4.741 ng
RT: 17.468 min Scan# 2597
Delta R.T. -0.035 min
Lab File: BF143792.D
Acq: 23 Sep 2025 10:58

Tgt Ion:276 Resp: 157425
Ion Ratio Lower Upper
276 100
277 24.1 19.6 29.4
138 11.5 9.2 13.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143793.D
 Acq On : 23 Sep 2025 11:57
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Sep 23 17:06:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	132313	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	488285	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	239396	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	375125	20.000	ng	0.00
76) Chrysene-d12	14.051	240	430577	20.000	ng	-0.01
86) Perylene-d12	15.533	264	582350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	166482	20.250	ng	-0.01
7) Phenol-d6	6.493	99	199435	20.556	ng	-0.02
23) Nitrobenzene-d5	7.440	82	150816	19.438	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	72517	21.225	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	353299	21.809	ng	0.00
79) Terphenyl-d14	12.998	244	449442	20.493	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	38037	9.758	ng	97
3) Pyridine	3.410	79	100675	9.568	ng	99
4) n-Nitrosodimethylamine	3.334	42	49199	9.325	ng	97
6) Aniline	6.545	93	140265	10.271	ng	98
8) 2-Chlorophenol	6.663	128	82971	9.952	ng	99
9) Benzaldehyde	6.434	77	70550	8.562	ng	99
10) Phenol	6.510	94	113001	10.332	ng	96
11) bis(2-Chloroethyl)ether	6.616	93	87384	10.192	ng	97
12) 1,3-Dichlorobenzene	6.828	146	98776	10.204	ng	99
13) 1,4-Dichlorobenzene	6.904	146	99003	10.249	ng	99
14) 1,2-Dichlorobenzene	7.057	146	93067	10.172	ng	99
15) Benzyl Alcohol	7.016	79	67639	9.948	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	207456	10.204	ng	99
17) 2-Methylphenol	7.122	107	65621	10.167	ng	99
18) Hexachloroethane	7.398	117	33843	9.962	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	61660	10.190	ng	99
20) 3+4-Methylphenols	7.275	107	84574	10.760	ng	96
22) Acetophenone	7.287	105	113726	10.604	ng	99
24) Nitrobenzene	7.463	77	86488	9.782	ng	98
25) Isophorone	7.698	82	155268	9.989	ng	99
26) 2-Nitrophenol	7.781	139	25281	9.284	ng	99
27) 2,4-Dimethylphenol	7.810	122	68320	9.833	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	104902	10.387	ng	99
29) 2,4-Dichlorophenol	8.016	162	69731	10.200	ng	97
30) 1,2,4-Trichlorobenzene	8.110	180	70340	9.914	ng	97
31) Naphthalene	8.187	128	249230	10.662	ng	99
32) Benzoic acid	7.875	122	30248	9.023	ng	97
33) 4-Chloroaniline	8.234	127	84740	10.316	ng	99
34) Hexachlorobutadiene	8.310	225	53434	10.103	ng	98
35) Caprolactam	8.563	113	16062	9.192	ng	96
36) 4-Chloro-3-methylphenol	8.704	107	63361	9.882	ng	97
37) 2-Methylnaphthalene	8.881	142	158654	10.644	ng	99
38) 1-Methylnaphthalene	8.981	142	150831	10.572	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	75923	10.509	ng	100
41) Hexachlorocyclopentadiene	9.034	237	40258	8.792	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	42859	9.474	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143793.D
 Acq On : 23 Sep 2025 11:57
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Sep 23 17:06:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	46791	9.889	ng	98
46) 1,1'-Biphenyl	9.345	154	184443	10.644	ng	98
47) 2-Chloronaphthalene	9.369	162	146409	10.496	ng	100
48) 2-Nitroaniline	9.457	65	36451	8.646	ng	93
49) Acenaphthylene	9.781	152	198522	10.338	ng	100
50) Dimethylphthalate	9.633	163	147631	10.118	ng	100
51) 2,6-Dinitrotoluene	9.698	165	19239	8.025	ng	90
52) Acenaphthene	9.957	154	134197	10.619	ng	99
53) 3-Nitroaniline	9.869	138	25136	8.650	ng	# 96
54) 2,4-Dinitrophenol	9.969	184	6231	11.233	ng	# 1
55) Dibenzofuran	10.128	168	185710	10.393	ng	100
56) 4-Nitrophenol	10.016	139	23569	10.065	ng	98
57) 2,4-Dinitrotoluene	10.098	165	25096	9.543	ng	94
58) Fluorene	10.469	166	144778	10.898	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	36970	9.120	ng	100
60) Diethylphthalate	10.339	149	140054	10.254	ng	98
61) 4-Chlorophenyl-phenyle...	10.463	204	70883	10.472	ng	99
62) 4-Nitroaniline	10.475	138	24435	8.943	ng	98
63) Azobenzene	10.622	77	146130	10.152	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	8417	10.867	ng	98
66) n-Nitrosodiphenylamine	10.580	169	126584	10.261	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	62547	9.784	ng	99
68) Hexachlorobenzene	11.016	284	88177	10.009	ng	98
69) Atrazine	11.104	200	35762	10.010	ng	97
70) Pentachlorophenol	11.210	266	33783	7.704	ng	98
71) Phenanthrene	11.433	178	200025	10.386	ng	99
72) Anthracene	11.486	178	200505	10.379	ng	97
73) Carbazole	11.639	167	174601	10.337	ng	98
74) Di-n-butylphthalate	11.975	149	189120	9.736	ng	99
75) Fluoranthene	12.627	202	196207	10.129	ng	100
77) Benzidine	12.751	184	94401	8.997	ng	99
78) Pyrene	12.857	202	211336	9.983	ng	99
80) Butylbenzylphthalate	13.474	149	64090	8.751	ng	99
81) Benzo(a)anthracene	14.045	228	232722	10.061	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	91789	9.160	ng	99
83) Chrysene	14.080	228	212098	10.133	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	102600	9.557	ng	98
85) Di-n-octyl phthalate	14.651	149	165178	8.482	ng	99
87) Indeno(1,2,3-cd)pyrene	17.021	276	415337	9.400	ng	99
88) Benzo(b)fluoranthene	15.098	252	292308	9.857	ng	99
89) Benzo(k)fluoranthene	15.127	252	292238	9.808	ng	99
90) Benzo(a)pyrene	15.468	252	267775	9.606	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	345636	9.564	ng	98
92) Benzo(g,h,i)perylene	17.468	276	324982	9.329	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Abundance

TIC: BF143793.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodimethylamine

2-Fluorophenol, S

1,4-Dichlorobenzene, d4, I

Acetophenone, propylamine, P

Nitrobenzene, d5, S

Naphthalene, d8, I

2-Fluorobiphenyl, S

Acenaphthene, d10, I

Phenanthrene, d10, I

Terphenyl, d14, S

Bis(2-ethylhexyl)phthalate

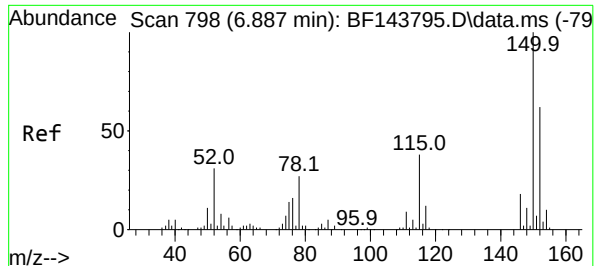
Chrysene

Benzo(a)pyrene, C

Benzo(a)pyrene

Dibenzo(a,h)perylene

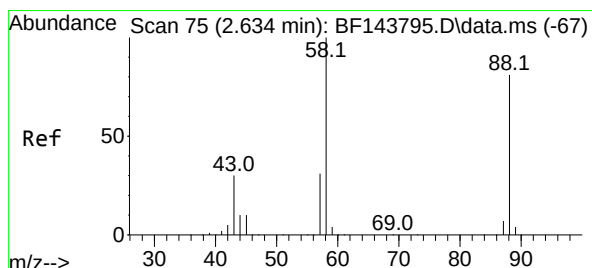
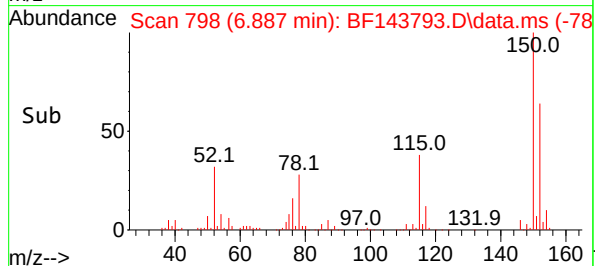
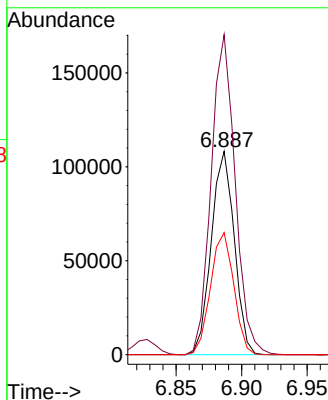
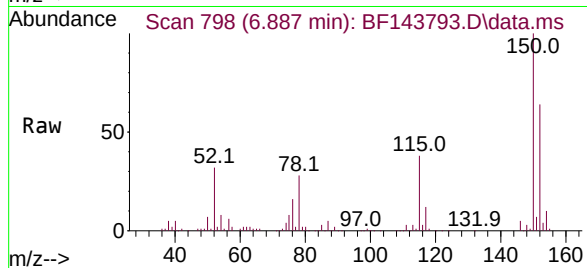
Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

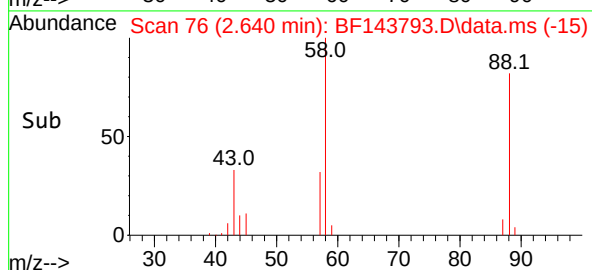
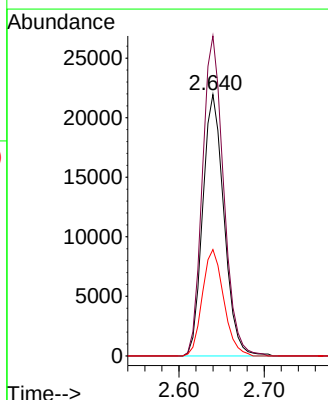
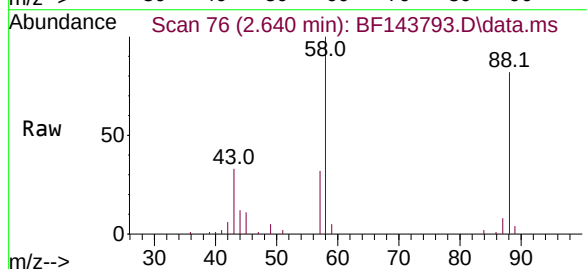
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

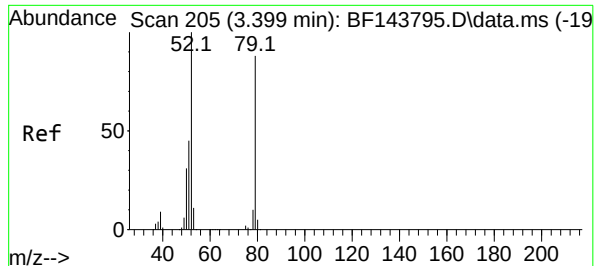
Tgt Ion:152 Resp: 132313
Ion Ratio Lower Upper
152 100
150 157.4 129.6 194.4
115 60.0 49.0 73.4



#2
1,4-Dioxane
Concen: 9.758 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion: 88 Resp: 38037
Ion Ratio Lower Upper
88 100
58 121.6 99.4 149.2
43 40.9 30.6 45.8





#3

Pyridine

Concen: 9.568 ng

RT: 3.410 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

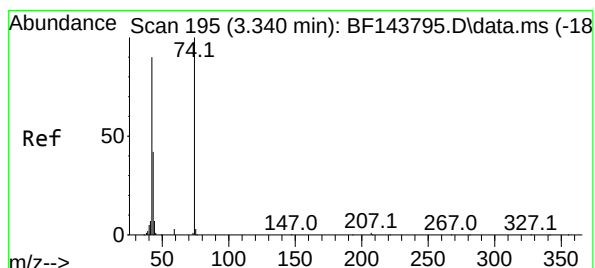
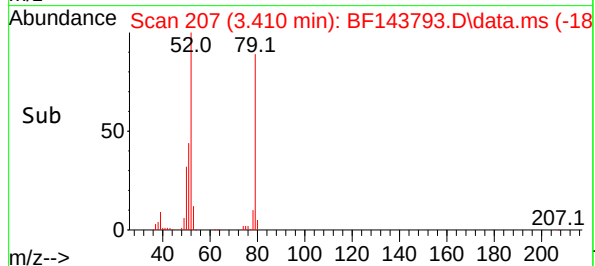
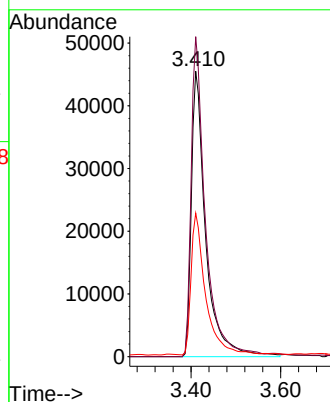
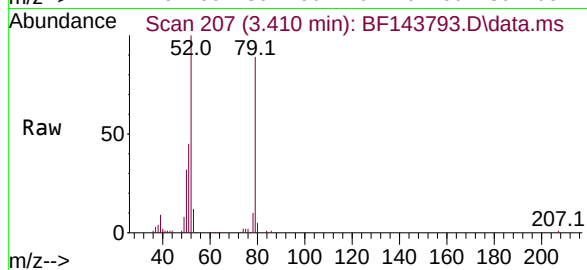
Tgt Ion: 79 Resp: 100675

Ion Ratio Lower Upper

79 100

52 112.2 90.5 135.7

51 50.3 40.6 61.0



#4

n-Nitrosodimethylamine

Concen: 9.325 ng

RT: 3.334 min Scan# 194

Delta R.T. -0.023 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

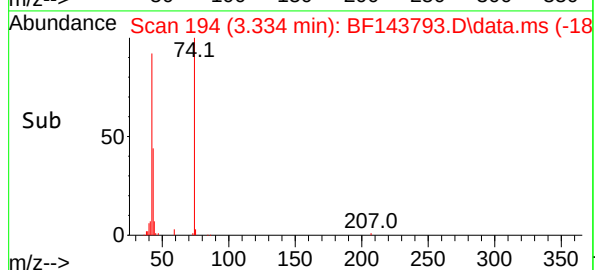
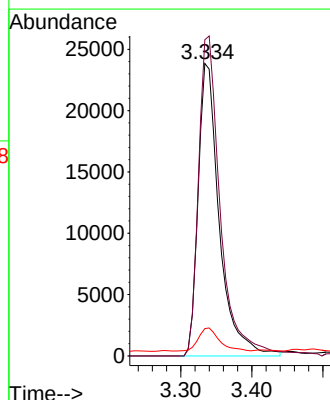
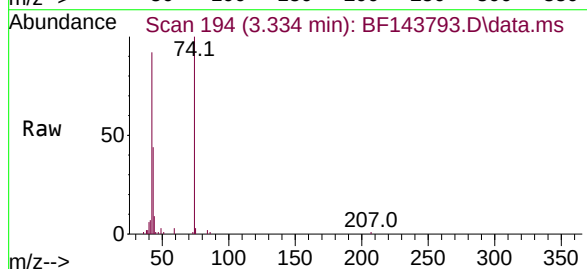
Tgt Ion: 42 Resp: 49199

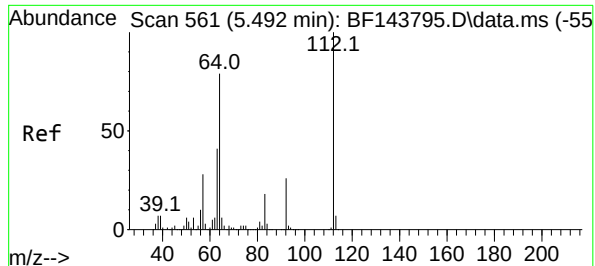
Ion Ratio Lower Upper

42 100

74 108.1 89.1 133.7

44 9.3 6.4 9.6

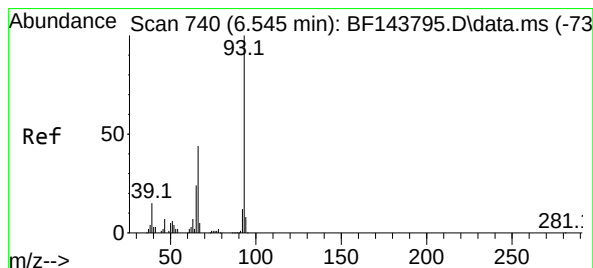
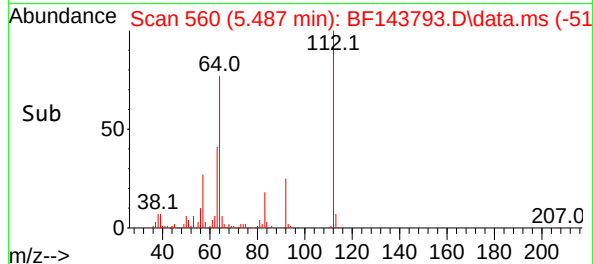
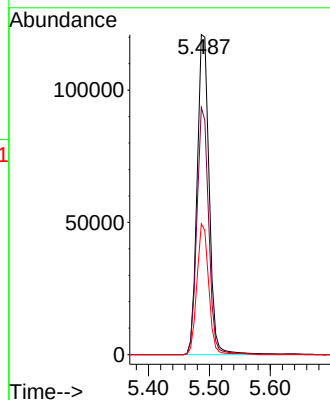
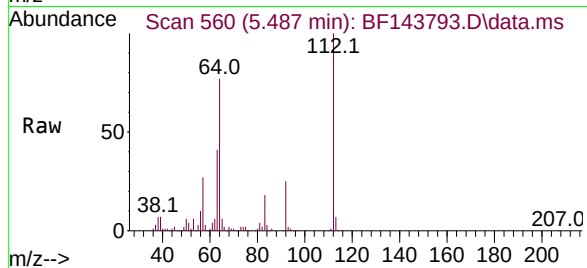




#5
2-Fluorophenol
Concen: 20.250 ng
RT: 5.487 min Scan# 561
Delta R.T. -0.012 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

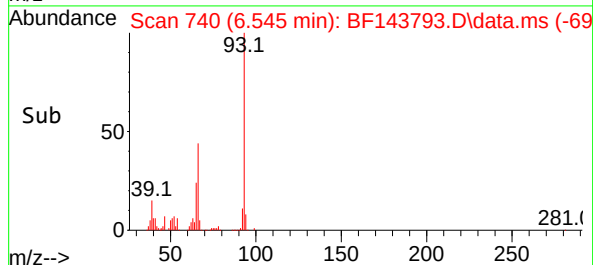
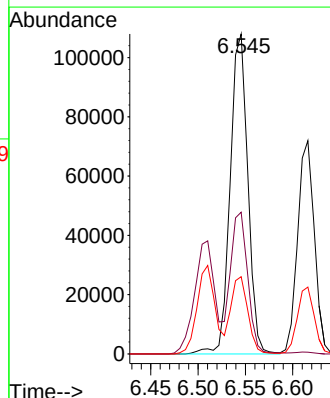
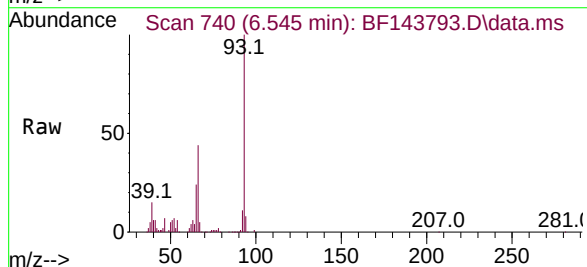
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

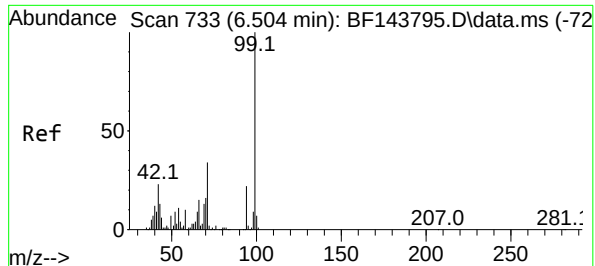
Tgt Ion:112 Resp: 166482
Ion Ratio Lower Upper
112 100
64 77.2 63.0 94.4
63 40.9 32.6 49.0



#6
Aniline
Concen: 10.271 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion: 93 Resp: 140265
Ion Ratio Lower Upper
93 100
66 44.3 37.1 55.7
65 24.1 19.4 29.0

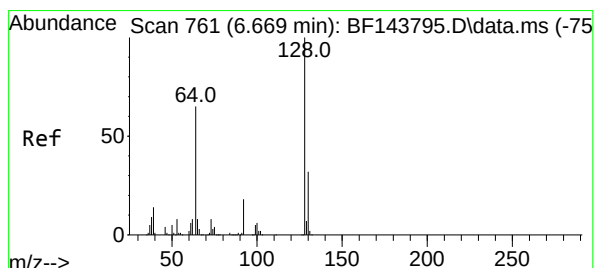
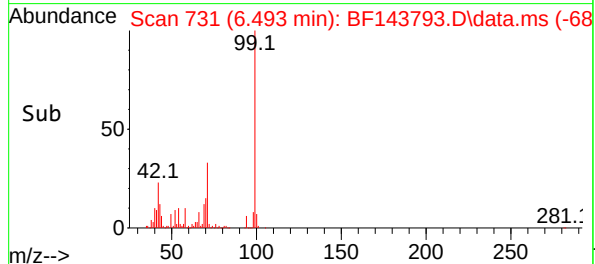
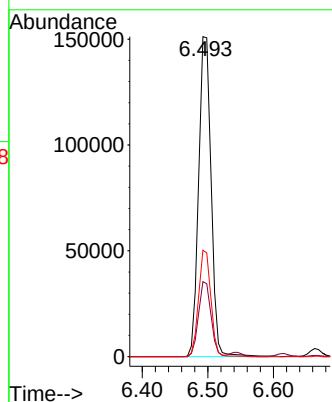
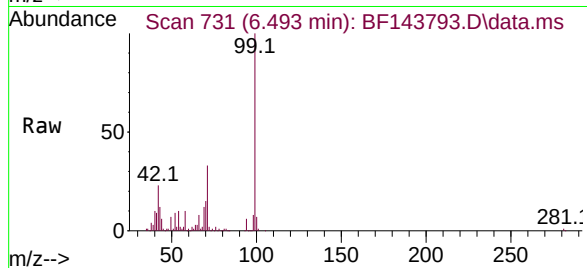




#7
Phenol-d6
Concen: 20.556 ng
RT: 6.493 min Scan# 731
Delta R.T. -0.018 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

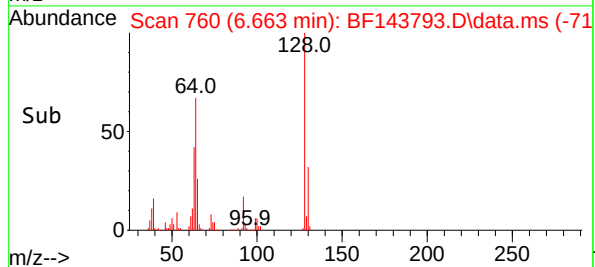
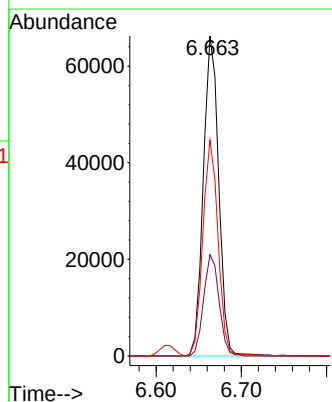
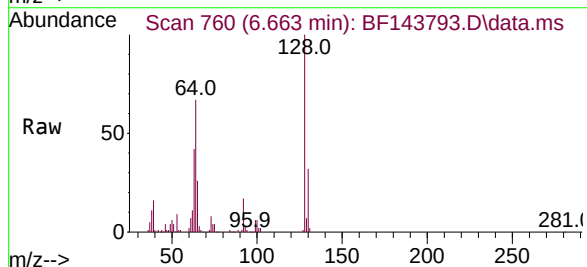
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

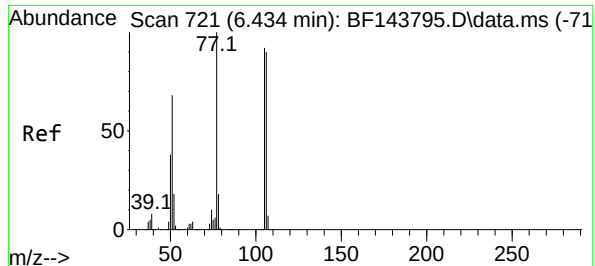
Tgt Ion: 99 Resp: 199435
Ion Ratio Lower Upper
99 100
42 23.4 18.6 28.0
71 33.2 27.0 40.4



#8
2-Chlorophenol
Concen: 9.952 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion: 128 Resp: 82971
Ion Ratio Lower Upper
128 100
130 31.7 12.2 52.2
64 67.4 46.5 86.5





#9

Benzaldehyde

Concen: 8.562 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

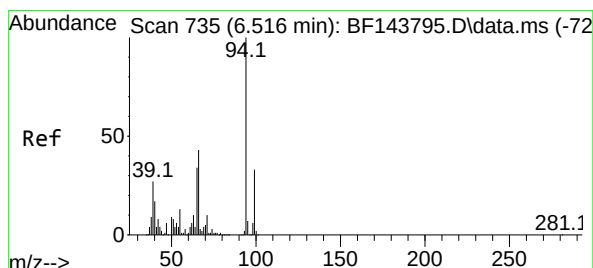
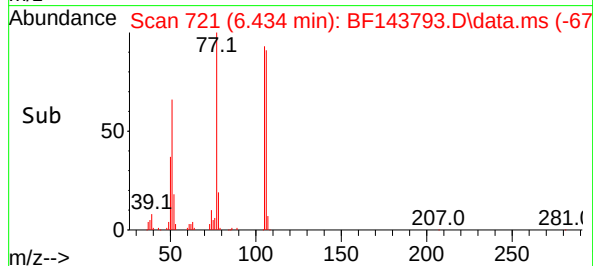
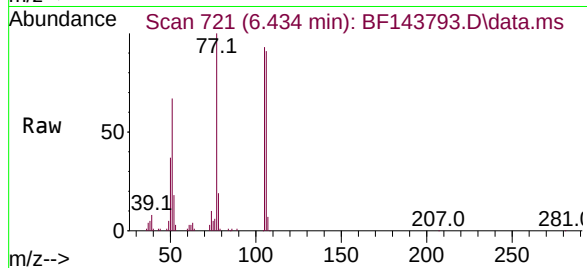
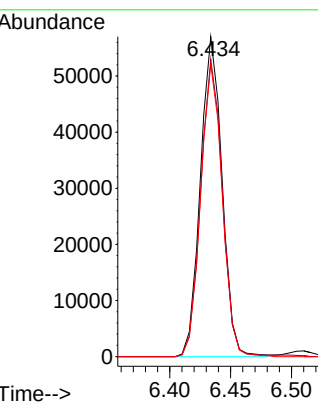
BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 77 Resp: 70550

Ion	Ratio	Lower	Upper
77	100		
105	92.9	71.8	111.8
106	91.3	69.8	109.8



#10

Phenol

Concen: 10.332 ng

RT: 6.510 min Scan# 734

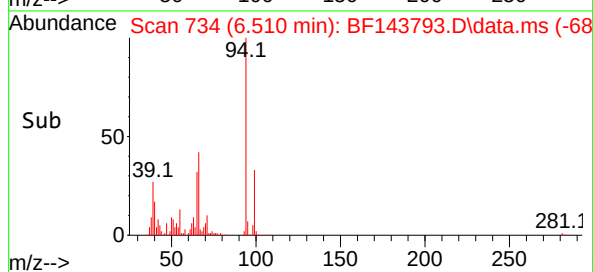
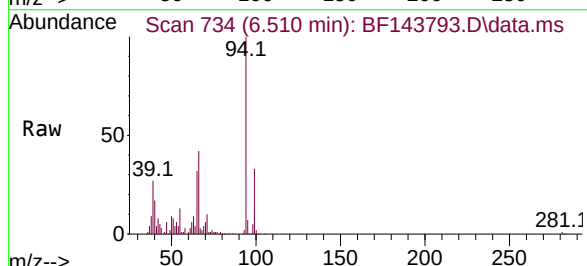
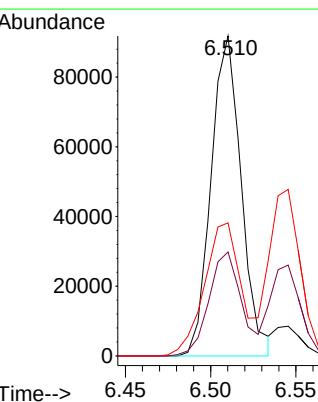
Delta R.T. -0.018 min

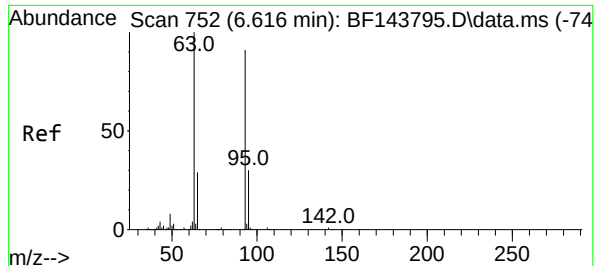
Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Tgt Ion: 94 Resp: 113001

Ion	Ratio	Lower	Upper
94	100		
65	32.5	14.2	54.2
66	41.6	24.1	64.1

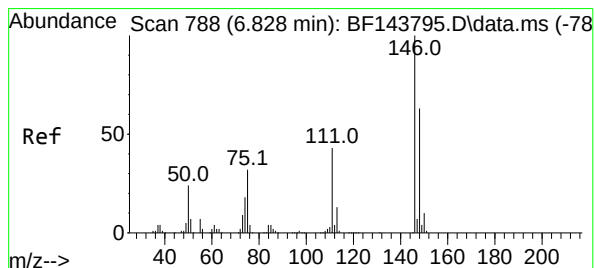
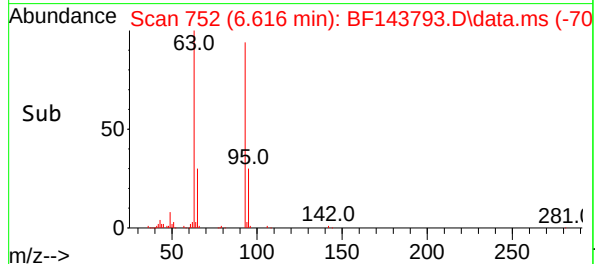
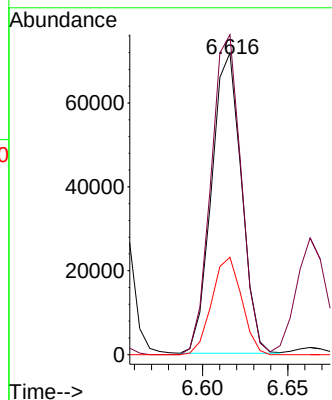
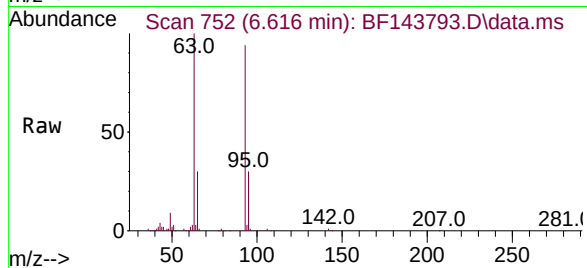




#11
bis(2-Chloroethyl)ether
Concen: 10.192 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

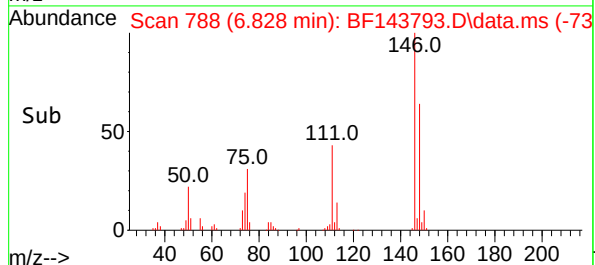
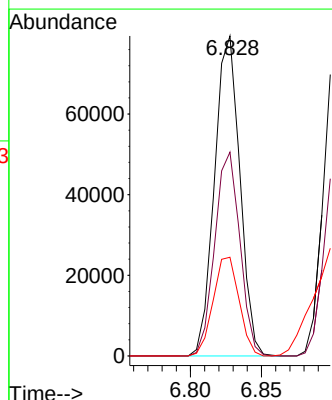
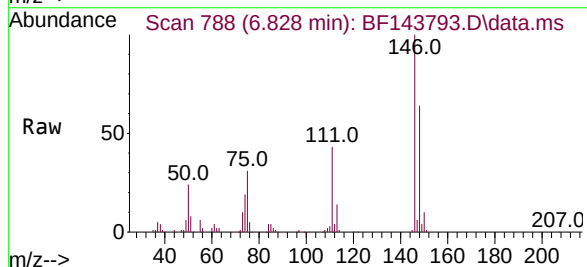
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ClientSampleId :
SSTDICC010

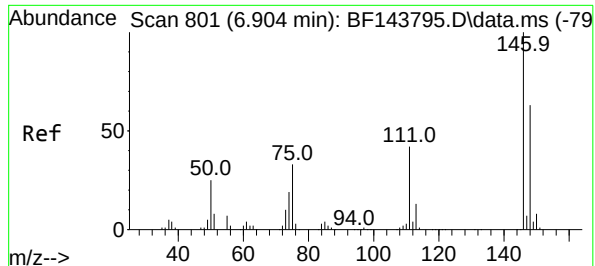
Tgt Ion: 93 Resp: 87384
Ion Ratio Lower Upper
93 100
63 106.1 89.2 129.2
95 32.3 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 10.204 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion:146 Resp: 98776
Ion Ratio Lower Upper
146 100
148 63.7 50.4 75.6
75 30.8 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 10.249 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

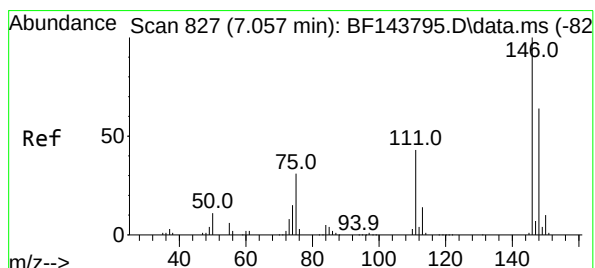
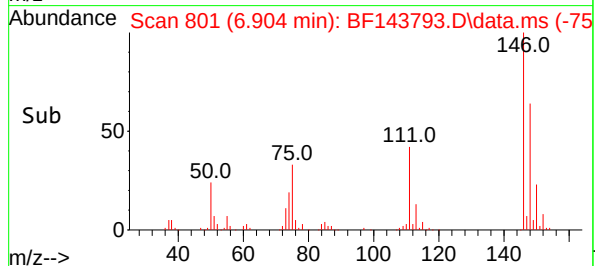
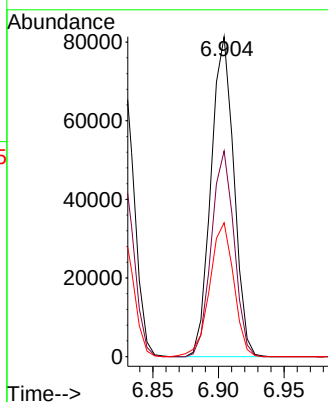
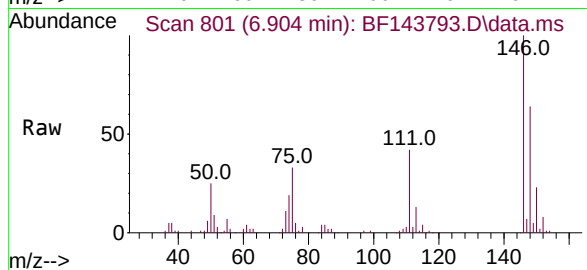
Tgt Ion:146 Resp: 99003

Ion Ratio Lower Upper

146 100

148 64.3 50.7 76.1

111 41.8 33.4 50.2



#14

1,2-Dichlorobenzene

Concen: 10.172 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

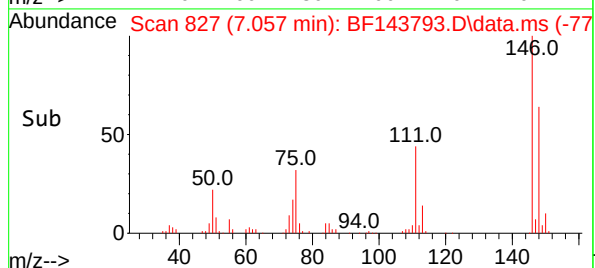
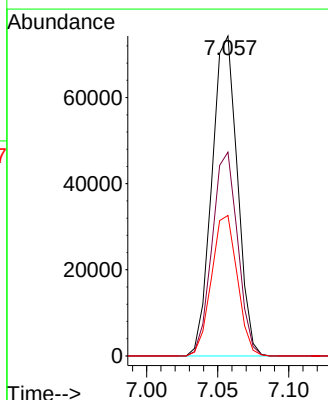
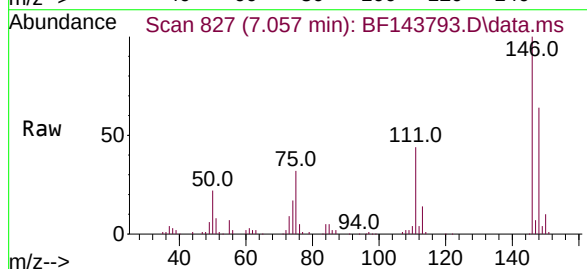
Tgt Ion:146 Resp: 93067

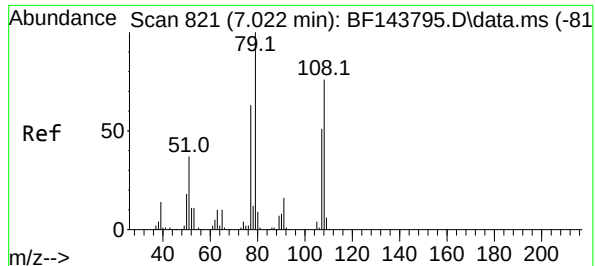
Ion Ratio Lower Upper

146 100

148 63.7 51.1 76.7

111 43.9 34.3 51.5





#15

Benzyl Alcohol

Concen: 9.948 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

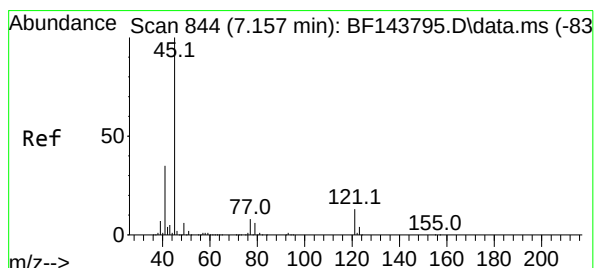
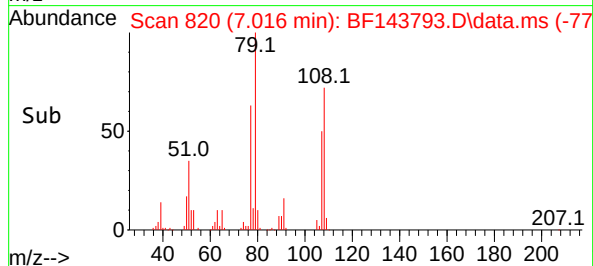
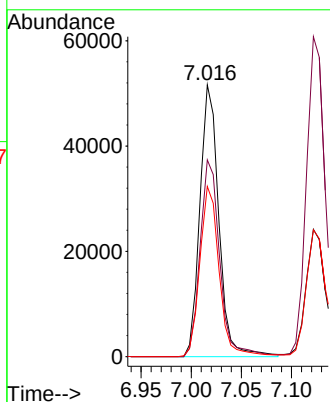
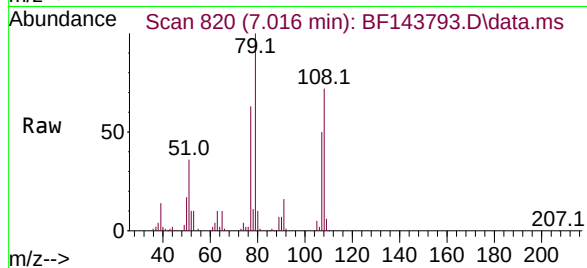
Tgt Ion: 79 Resp: 67639

Ion Ratio Lower Upper

79 100

108 72.4 60.5 90.7

77 62.6 50.3 75.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 10.204 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

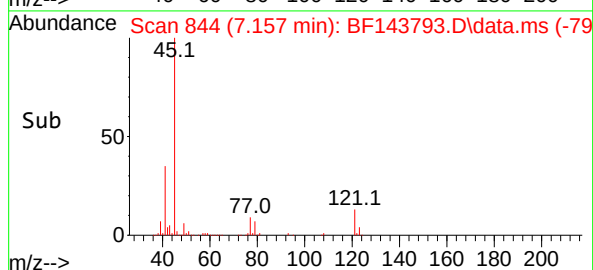
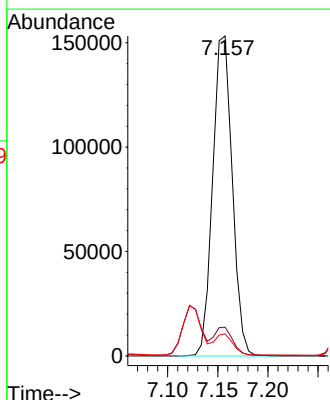
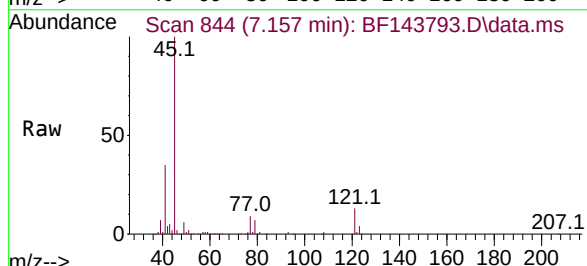
Tgt Ion: 45 Resp: 207456

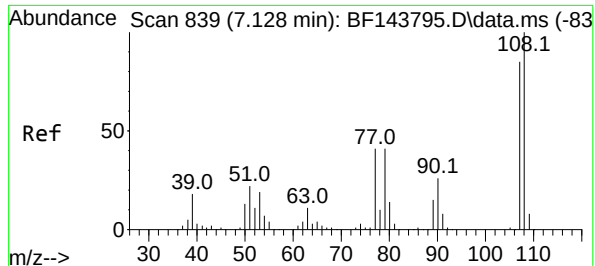
Ion Ratio Lower Upper

45 100

77 9.0 0.0 28.5

79 6.9 0.0 26.3

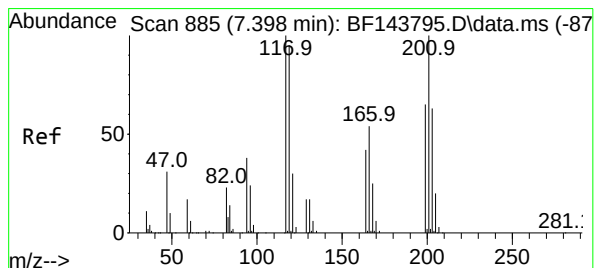
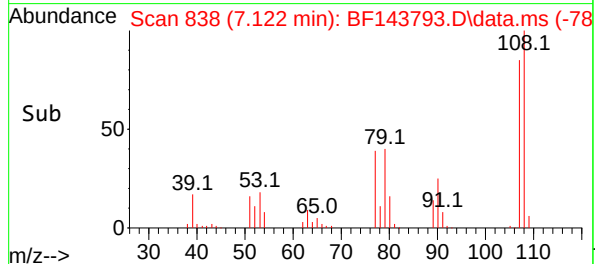
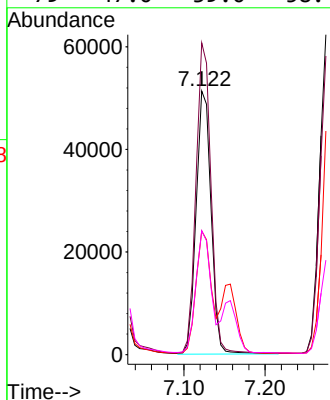
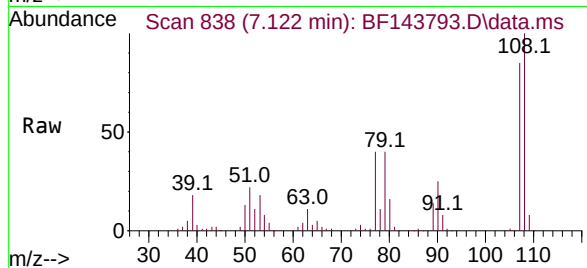




#17
2-Methylphenol
Concen: 10.167 ng
RT: 7.122 min Scan# 839
Delta R.T. -0.012 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

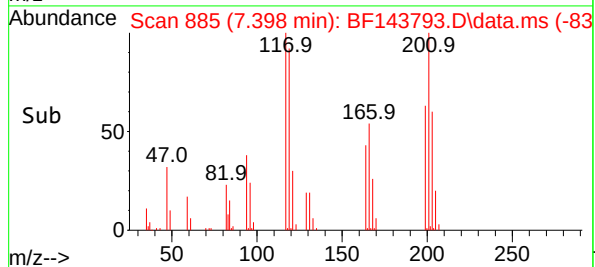
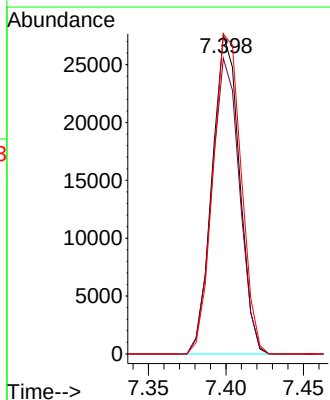
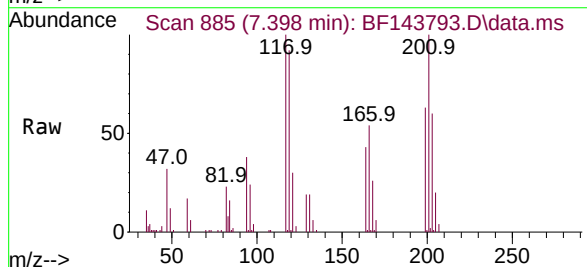
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

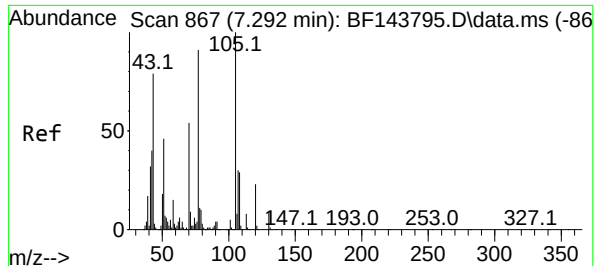
Tgt Ion:107 Resp: 65621
Ion Ratio Lower Upper
107 100
108 118.3 94.2 141.4
77 46.9 38.6 58.0
79 47.0 39.0 58.4



#18
Hexachloroethane
Concen: 9.962 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion:117 Resp: 33843
Ion Ratio Lower Upper
117 100
119 92.5 76.2 114.2
201 100.2 79.7 119.5





#19

n-Nitroso-di-n-propylamine

Concen: 10.190 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.018 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 61660

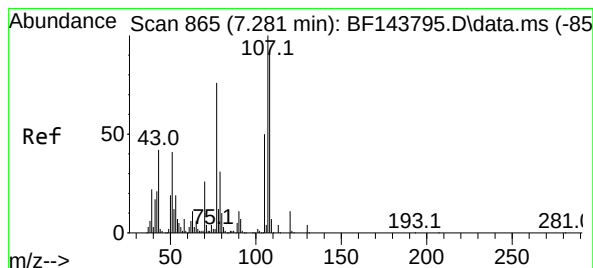
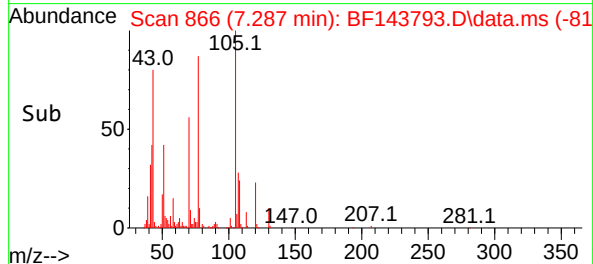
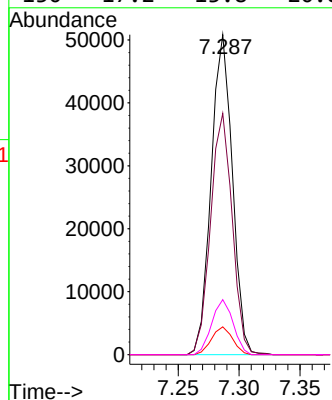
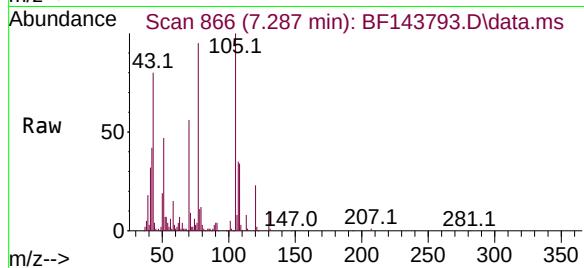
Ion Ratio Lower Upper

70 100

42 75.4 59.4 89.0

101 8.7 7.1 10.7

130 17.2 13.8 20.8



#20

3+4-Methylphenols

Concen: 10.760 ng

RT: 7.275 min Scan# 864

Delta R.T. -0.012 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Tgt Ion: 107 Resp: 84574

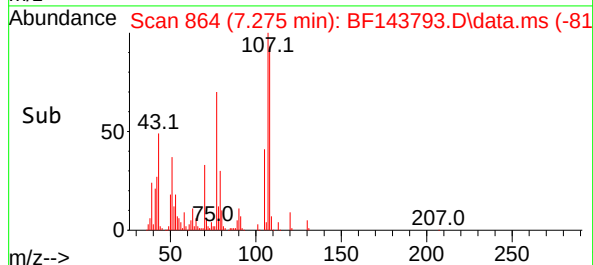
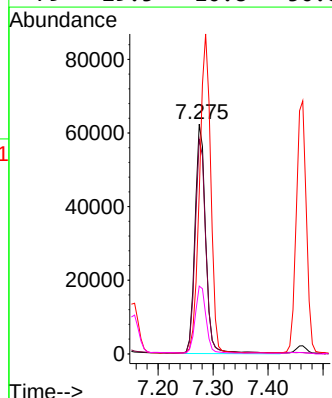
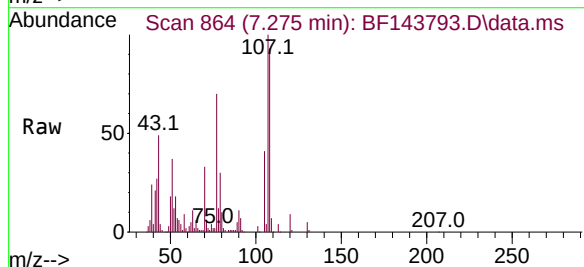
Ion Ratio Lower Upper

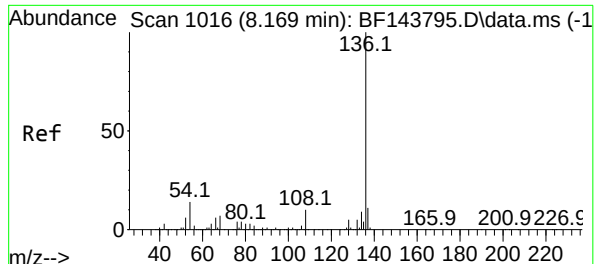
107 100

108 93.3 72.5 112.5

77 69.9 56.2 96.2

79 29.5 10.8 50.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:136 Resp: 488285

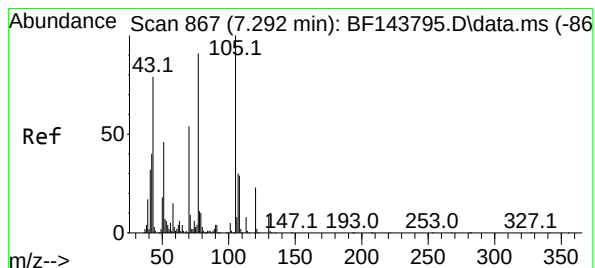
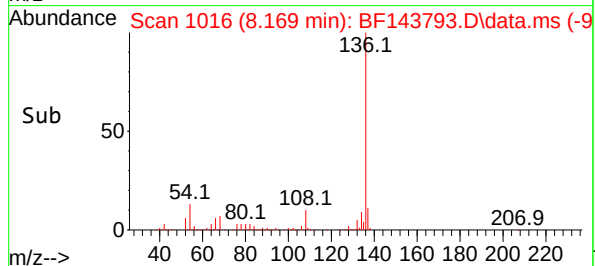
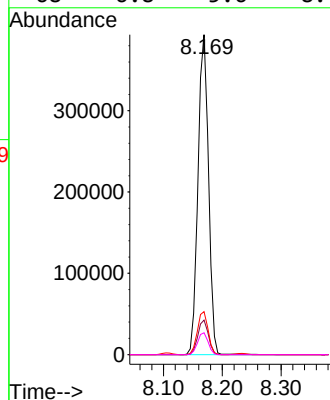
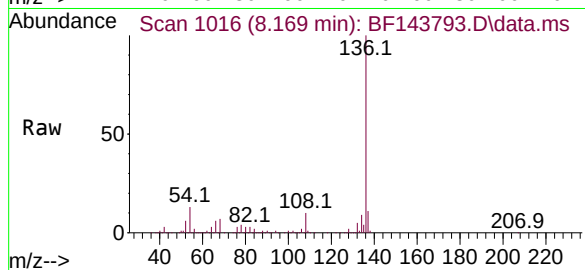
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 13.4 11.2 16.8

68 6.8 5.6 8.4



#22

Acetophenone

Concen: 10.604 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.012 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Tgt Ion:105 Resp: 113726

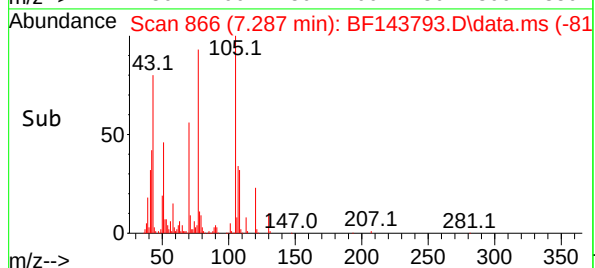
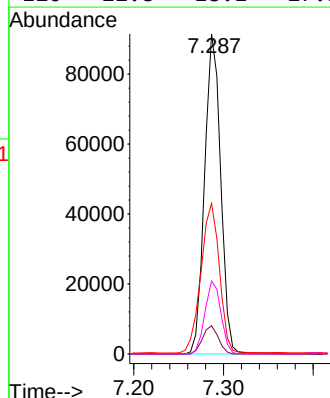
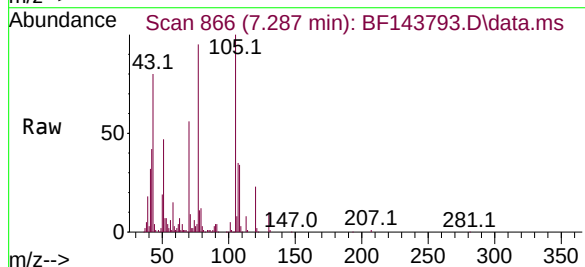
Ion Ratio Lower Upper

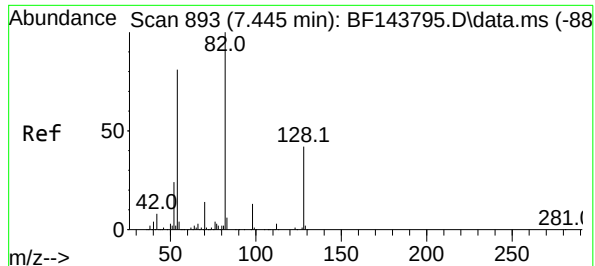
105 100

71 8.8 7.0 10.4

51 47.0 36.6 55.0

120 22.8 18.1 27.1

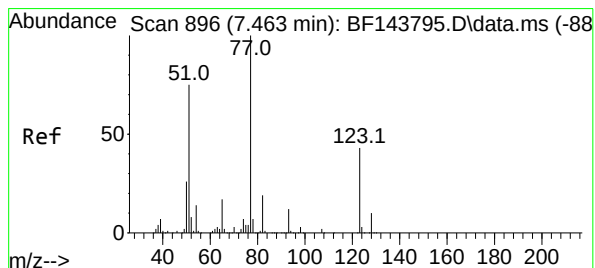
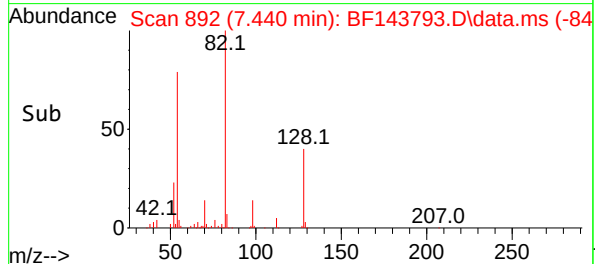
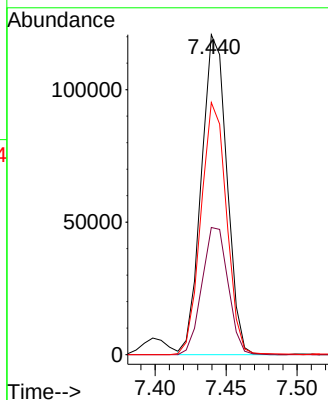
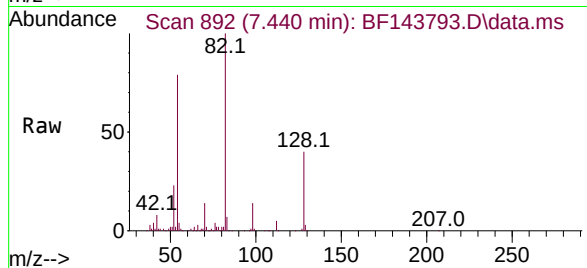




#23
Nitrobenzene-d5
Concen: 19.438 ng
RT: 7.440 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

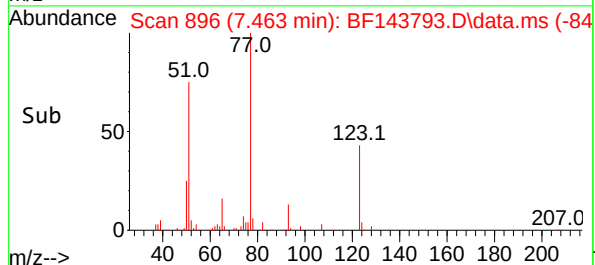
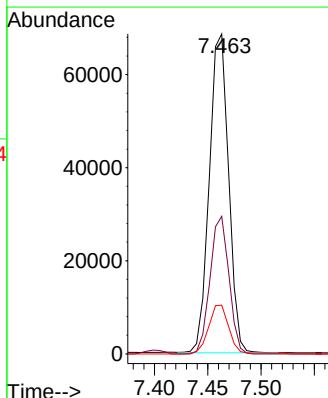
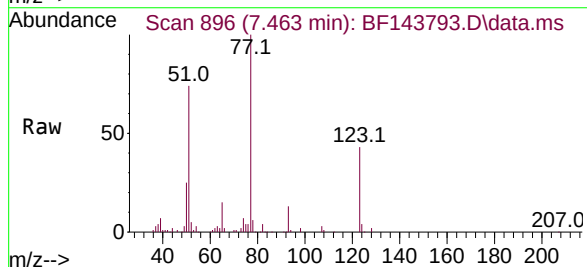
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

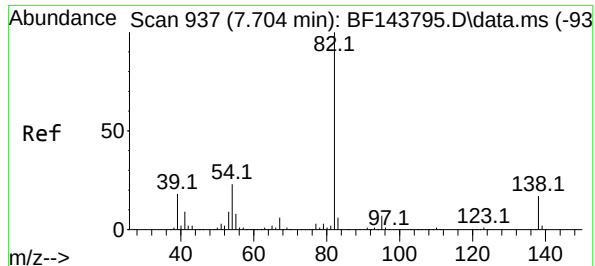
Tgt Ion: 82 Resp: 150816
Ion Ratio Lower Upper
82 100
128 39.7 33.3 49.9
54 78.8 64.2 96.4



#24
Nitrobenzene
Concen: 9.782 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion: 77 Resp: 86488
Ion Ratio Lower Upper
77 100
123 43.0 34.0 51.0
65 15.2 13.5 20.3





#25

Isophorone

Concen: 9.989 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

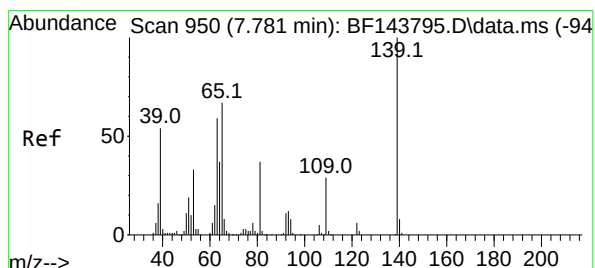
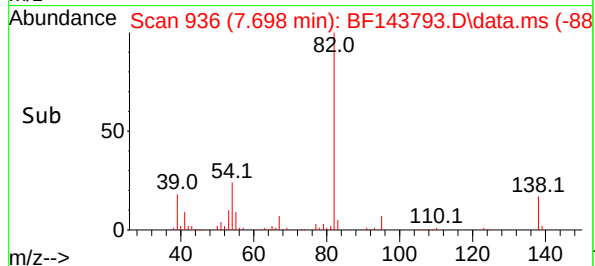
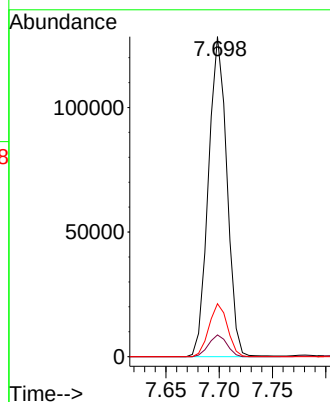
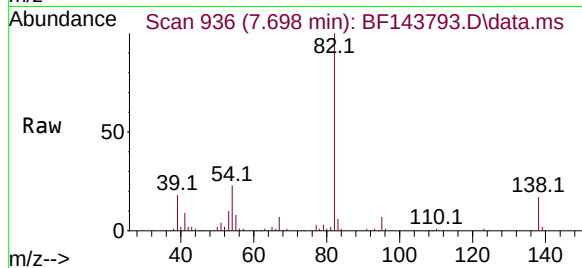
Tgt Ion: 82 Resp: 155268

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.2

138 16.5 13.7 20.5



#26

2-Nitrophenol

Concen: 9.284 ng

RT: 7.781 min Scan# 950

Delta R.T. -0.005 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

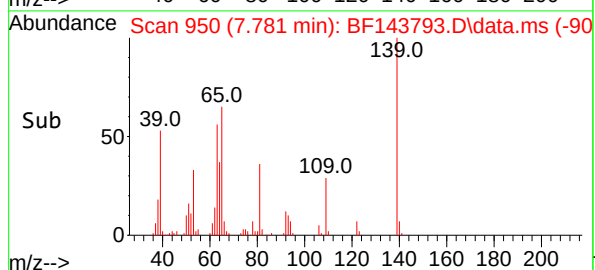
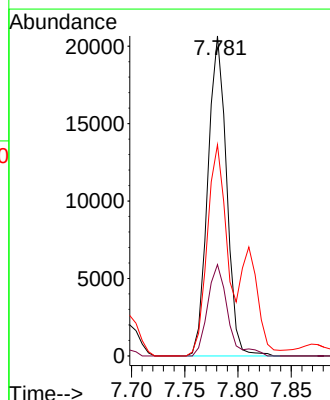
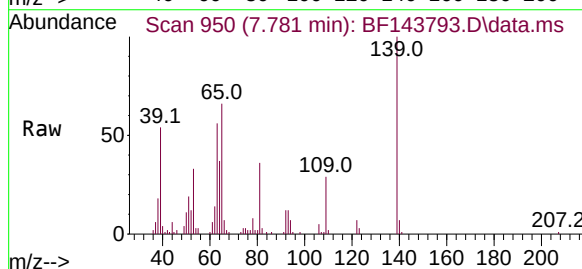
Tgt Ion: 139 Resp: 25281

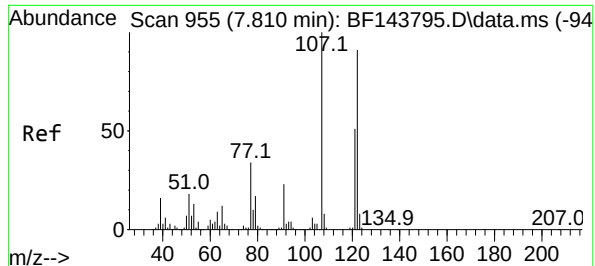
Ion Ratio Lower Upper

139 100

109 28.5 23.3 34.9

65 66.0 53.8 80.6





#27

2,4-Dimethylphenol

Concen: 9.833 ng

RT: 7.810 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

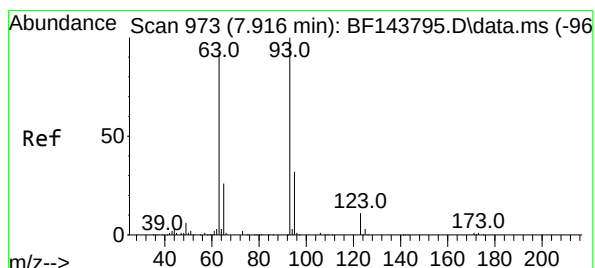
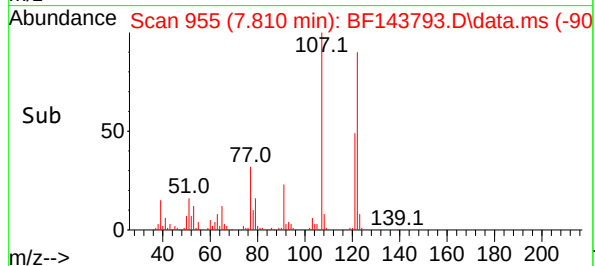
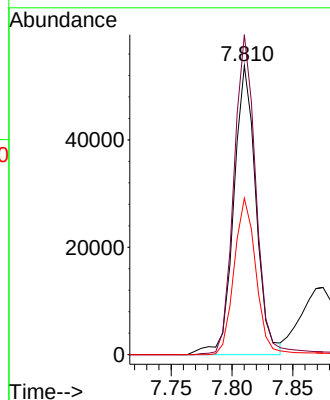
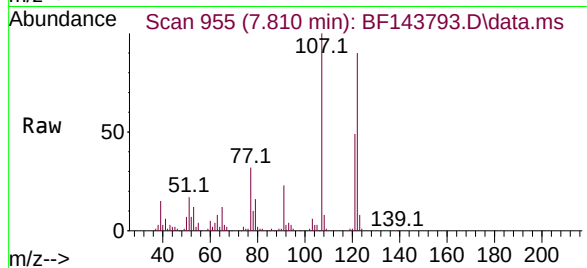
Tgt Ion:122 Resp: 68320

Ion Ratio Lower Upper

122 100

107 110.8 87.5 131.3

121 54.2 44.2 66.4



#28

bis(2-Chloroethoxy)methane

Concen: 10.387 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

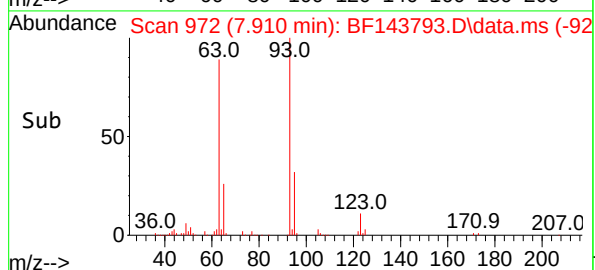
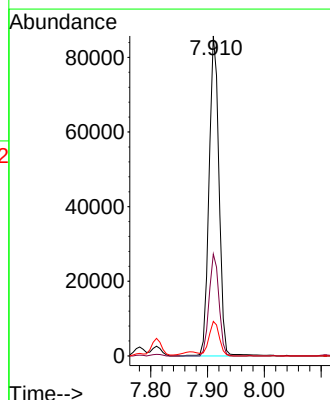
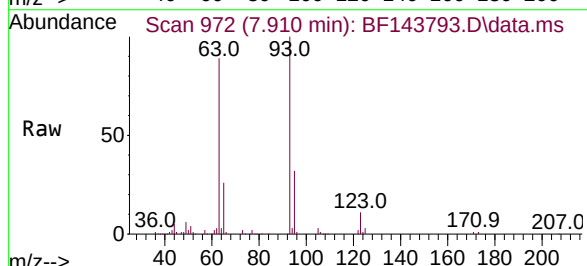
Tgt Ion: 93 Resp: 104902

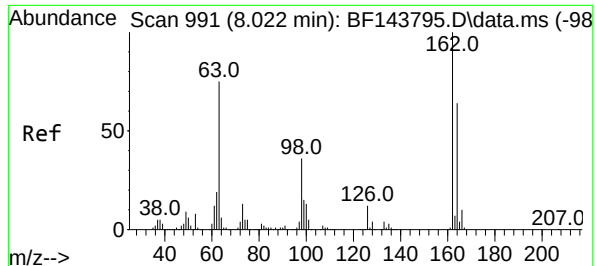
Ion Ratio Lower Upper

93 100

95 31.8 25.8 38.8

123 10.8 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 10.200 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

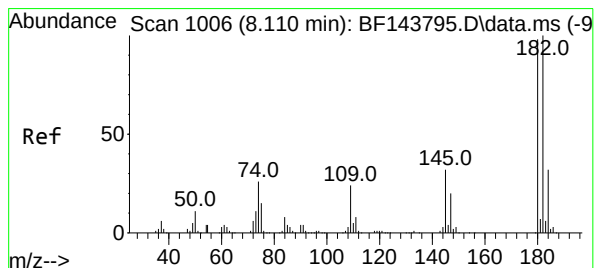
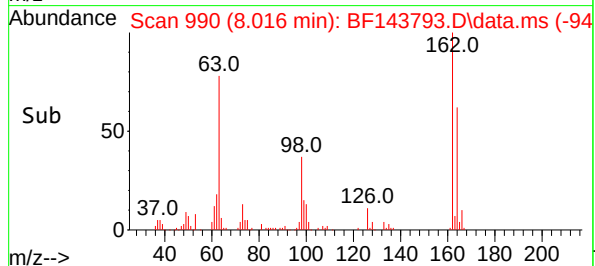
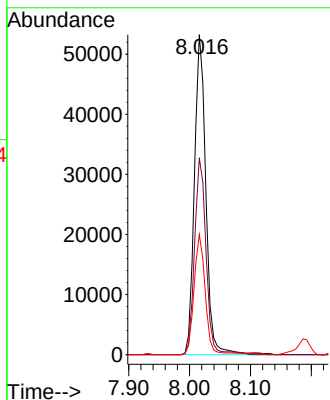
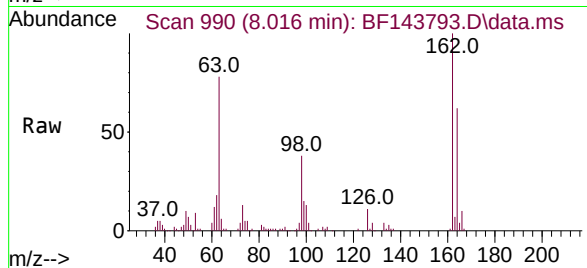
Tgt Ion:162 Resp: 69731

Ion Ratio Lower Upper

162 100

164 61.5 44.1 84.1

98 37.5 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 9.914 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

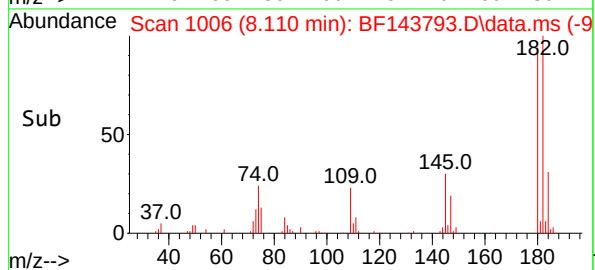
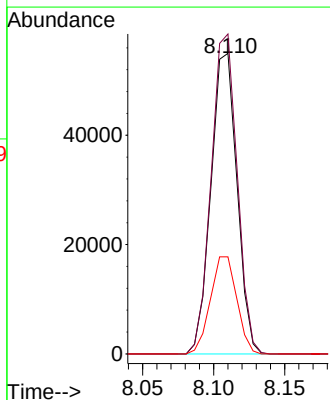
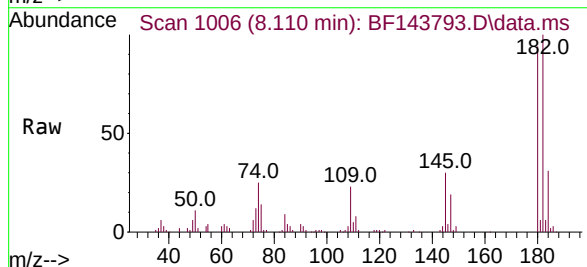
Tgt Ion:180 Resp: 70340

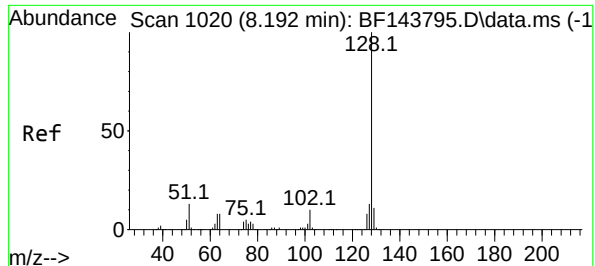
Ion Ratio Lower Upper

180 100

182 106.5 82.0 123.0

145 32.3 25.9 38.9





#31

Naphthalene

Concen: 10.662 ng

RT: 8.187 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

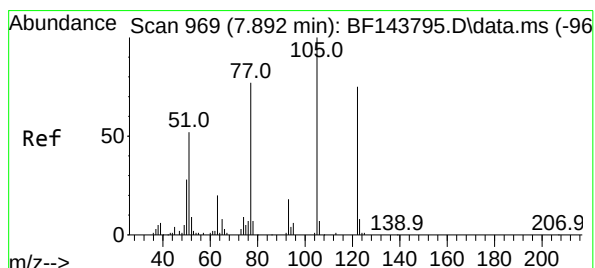
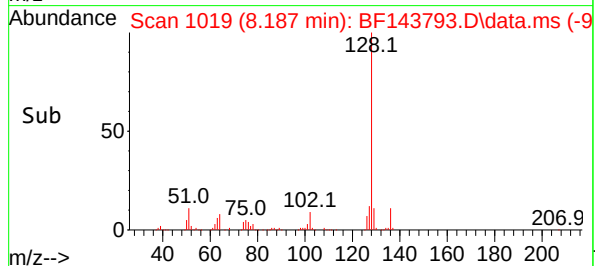
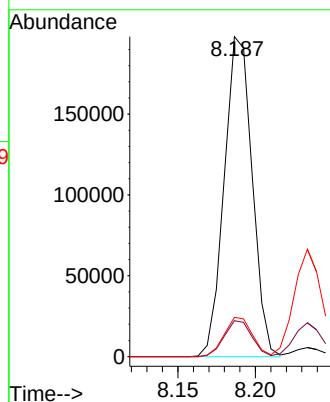
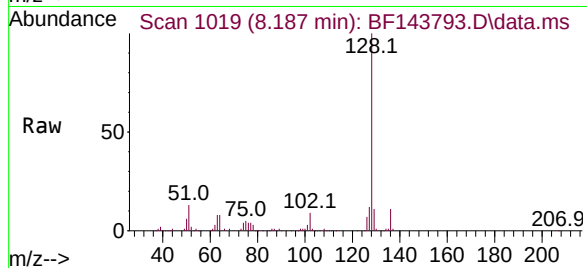
Tgt Ion:128 Resp: 249230

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 12.3 10.2 15.4



#32

Benzoic acid

Concen: 9.023 ng

RT: 7.875 min Scan# 966

Delta R.T. -0.047 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

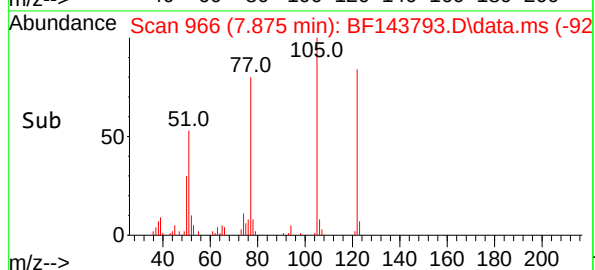
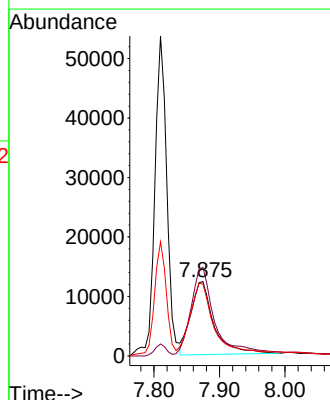
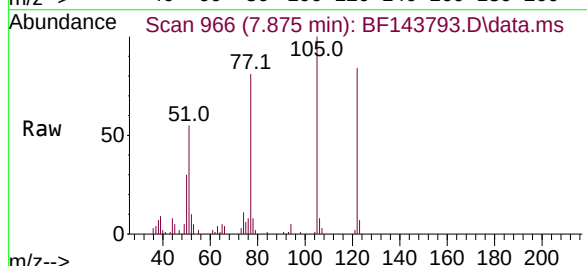
Tgt Ion:122 Resp: 30248

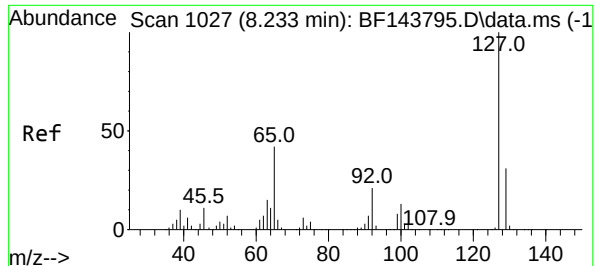
Ion Ratio Lower Upper

122 100

105 118.9 103.7 143.7

77 96.9 78.8 118.8

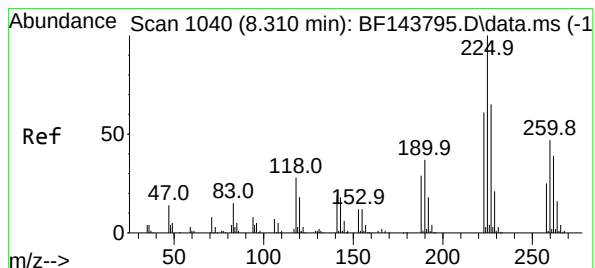
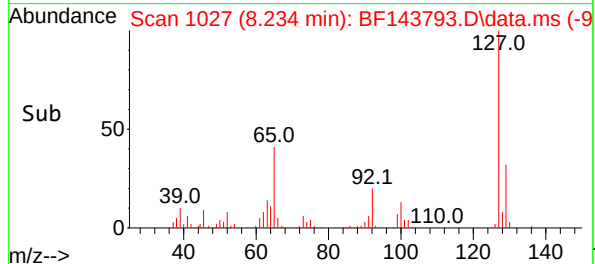
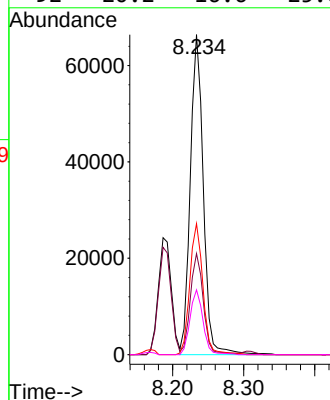
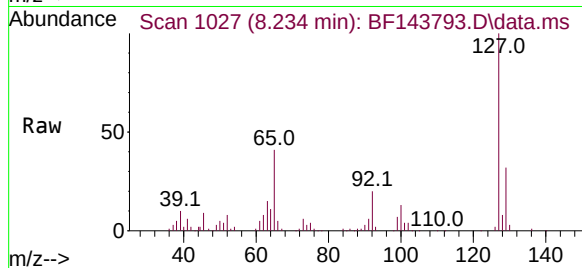




#33
4-Chloroaniline
Concen: 10.316 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

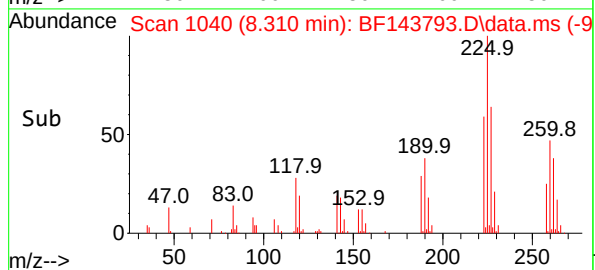
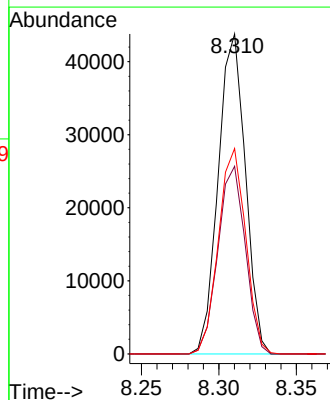
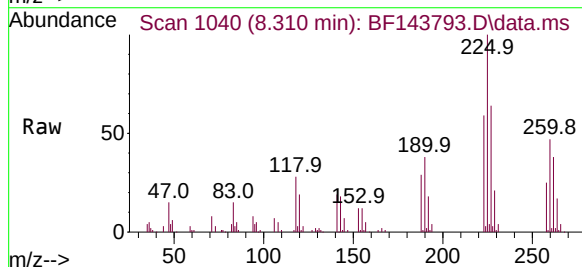
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

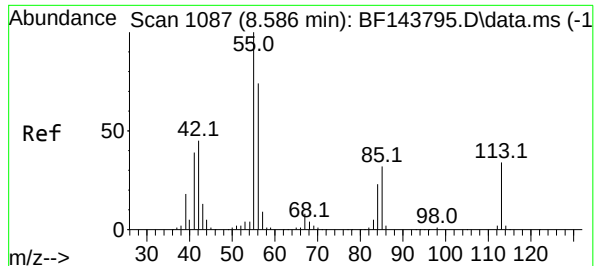
Tgt Ion:127	Resp:	84740
Ion	Ratio	Lower Upper
127	100	
129	31.6	25.4 38.2
65	40.9	33.4 50.2
92	20.2	16.6 25.0



#34
Hexachlorobutadiene
Concen: 10.103 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion:225	Resp:	53434
Ion	Ratio	Lower Upper
225	100	
223	58.6	48.6 72.8
227	64.2	51.9 77.9

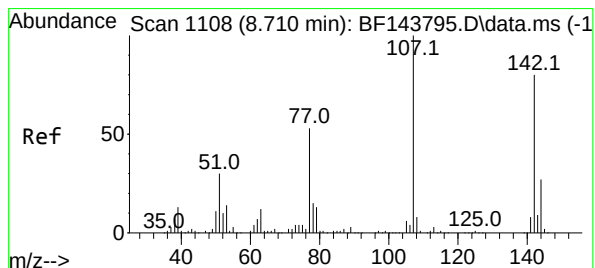
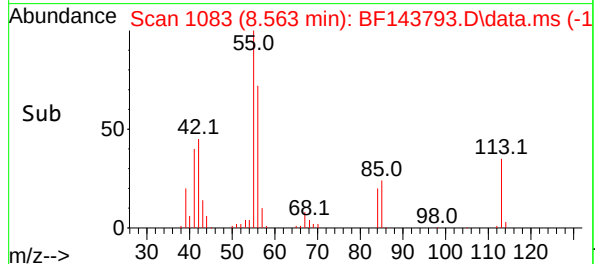
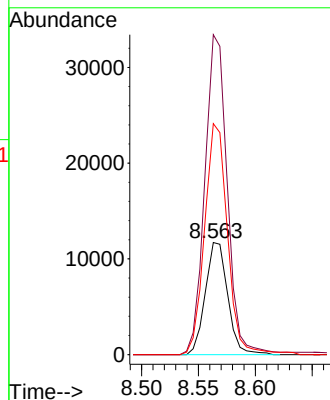
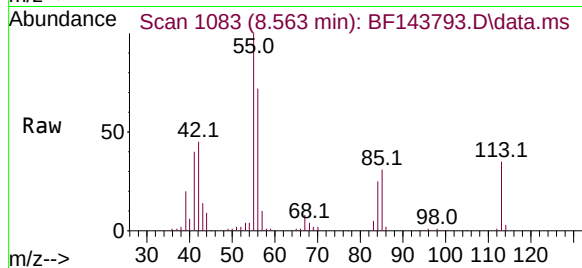




#35
Caprolactam
Concen: 9.192 ng
RT: 8.563 min Scan# 1107
Delta R.T. -0.047 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

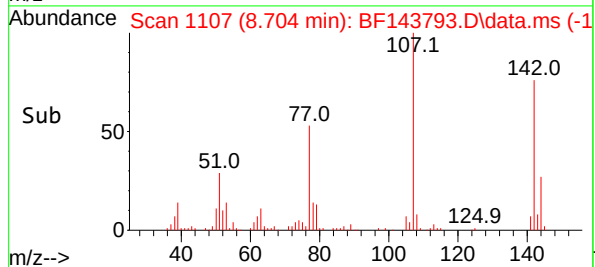
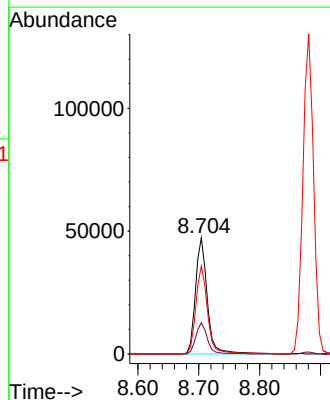
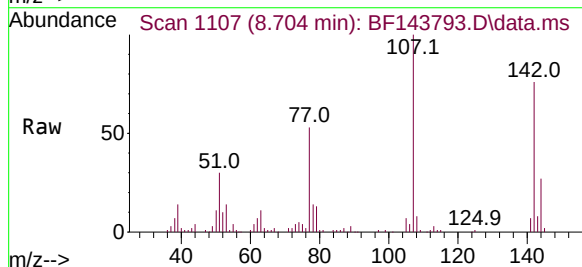
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

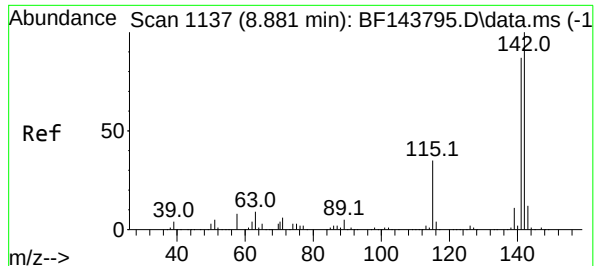
Tgt Ion	Ratio	Lower	Upper
113	100		
55	285.6	271.7	311.7
56	206.2	194.5	234.5



#36
4-Chloro-3-methylphenol
Concen: 9.882 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.8	32.8
142	75.7	63.6	95.4





#37

2-Methylnaphthalene

Concen: 10.644 ng

RT: 8.881 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

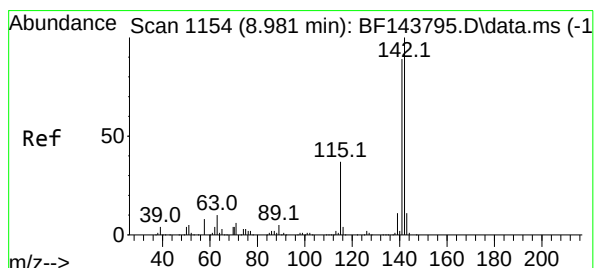
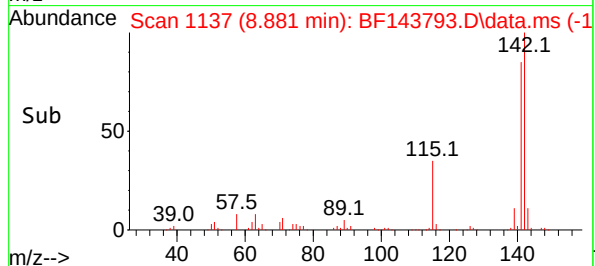
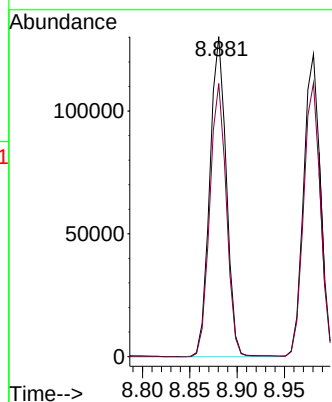
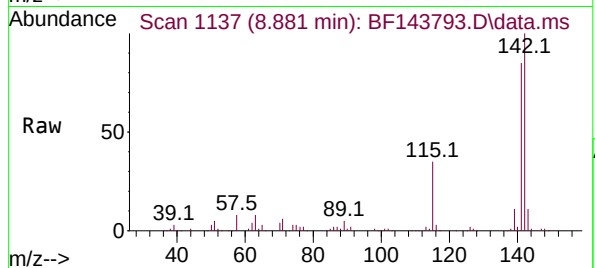
SSTDIC010

Tgt Ion:142 Resp: 158654

Ion Ratio Lower Upper

142 100

141 85.3 69.4 104.0



#38

1-Methylnaphthalene

Concen: 10.572 ng

RT: 8.981 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF143793.D

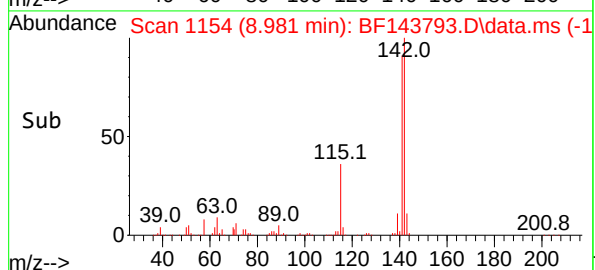
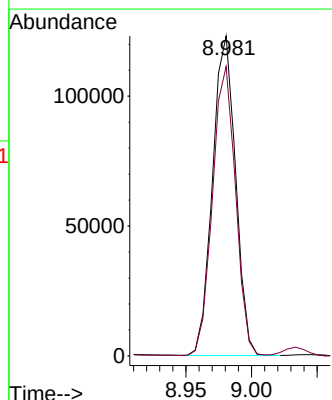
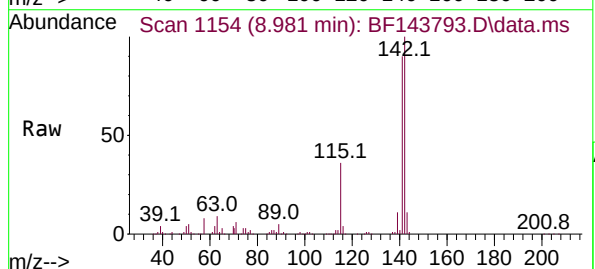
Acq: 23 Sep 2025 11:57

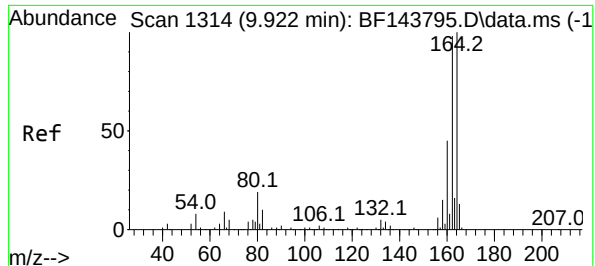
Tgt Ion:142 Resp: 150831

Ion Ratio Lower Upper

142 100

141 90.4 71.1 106.7

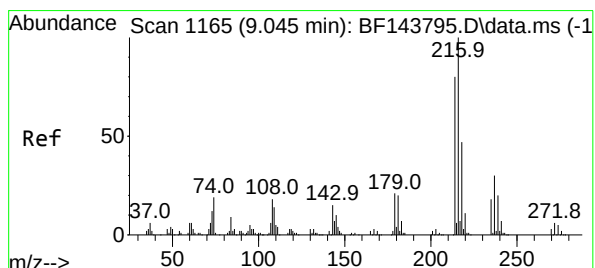
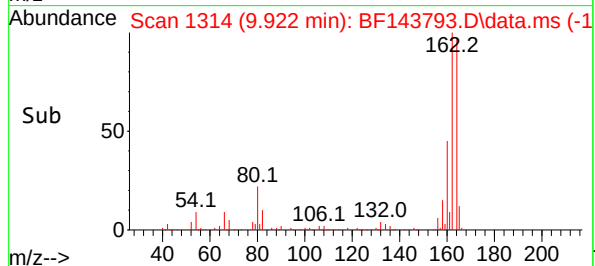
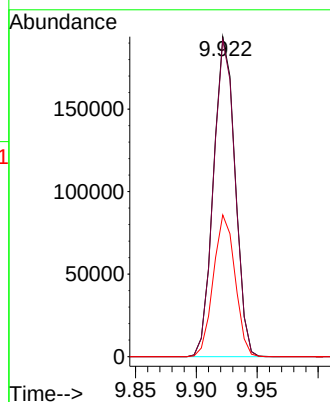
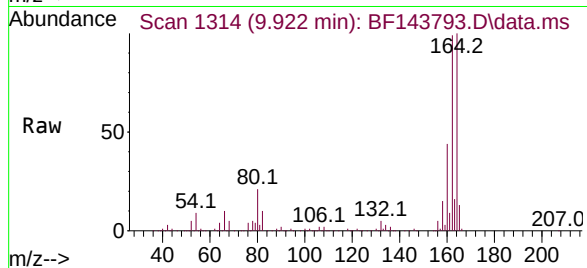




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

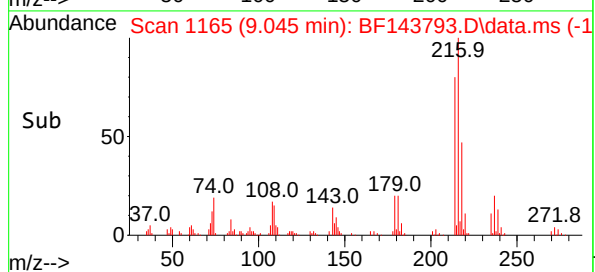
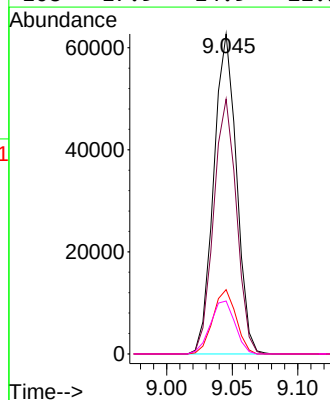
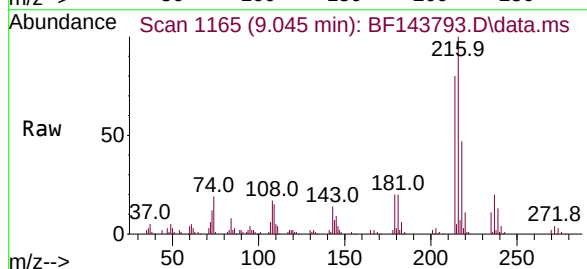
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

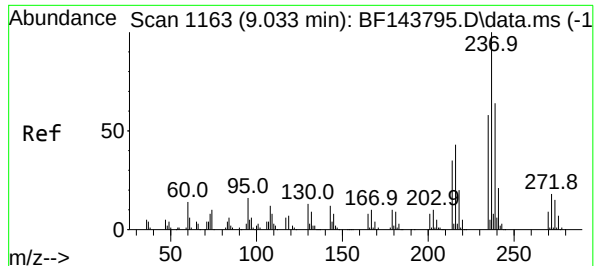
Tgt Ion:164 Resp: 239396
Ion Ratio Lower Upper
164 100
162 99.0 78.8 118.2
160 44.3 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.509 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion:216 Resp: 75923
Ion Ratio Lower Upper
216 100
214 79.8 63.7 95.5
179 20.4 16.5 24.7
108 17.9 14.9 22.3

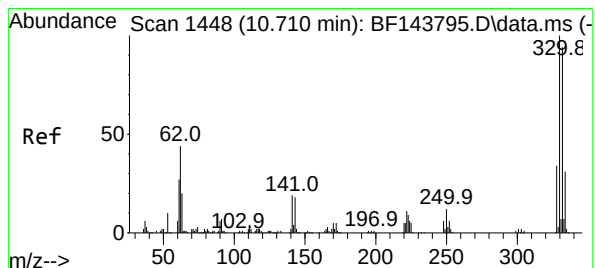
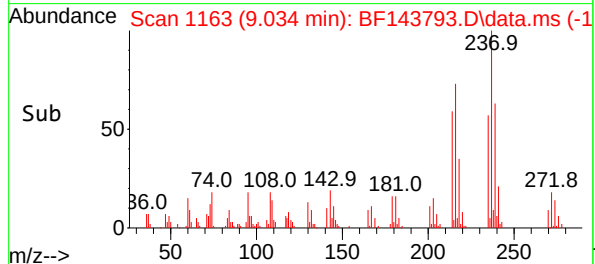
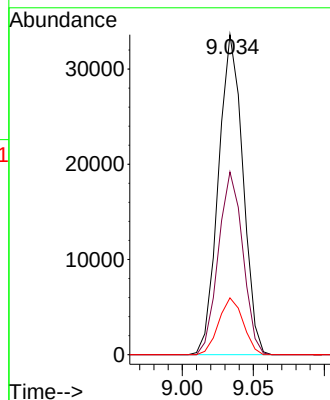
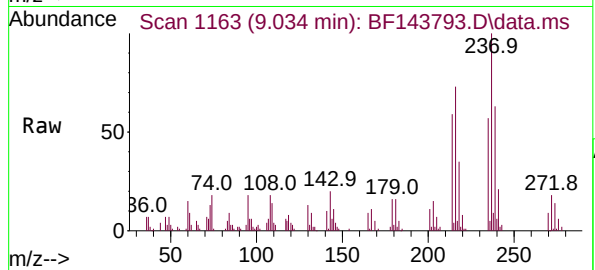




#41
Hexachlorocyclopentadiene
Concen: 8.792 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

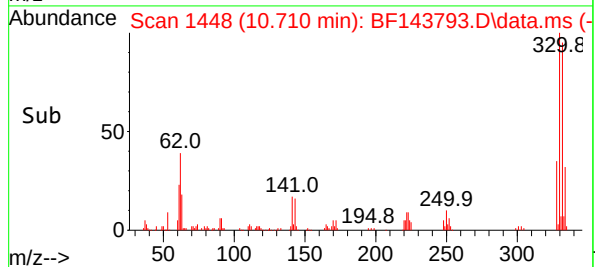
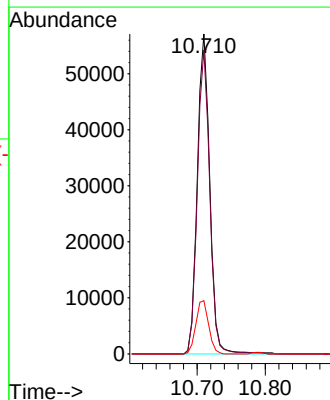
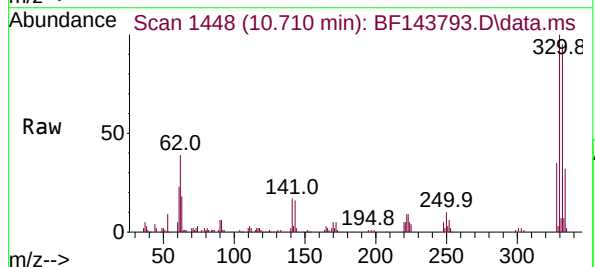
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

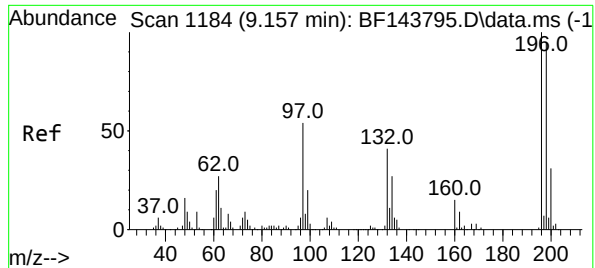
Tgt Ion: 237 Resp: 40258
Ion Ratio Lower Upper
237 100
235 57.1 38.1 78.1
272 17.7 0.0 37.9



#42
2,4,6-Tribromophenol
Concen: 21.225 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion: 330 Resp: 72517
Ion Ratio Lower Upper
330 100
332 94.6 74.7 112.1
141 17.0 14.3 21.5





#43

2,4,6-Trichlorophenol

Concen: 9.474 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF143793.D

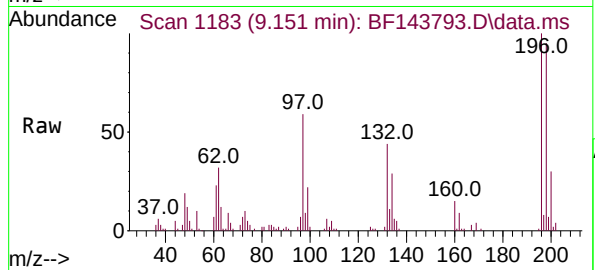
Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



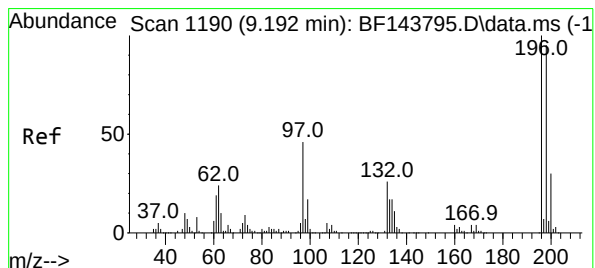
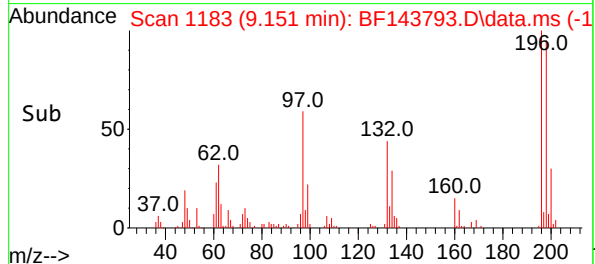
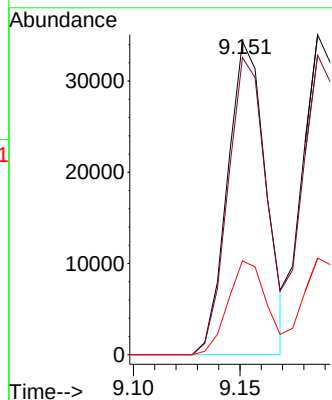
Tgt Ion:196 Resp: 42859

Ion Ratio Lower Upper

196 100

198 94.8 76.2 114.2

200 29.9 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 9.889 ng

RT: 9.186 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Tgt Ion:196 Resp: 46791

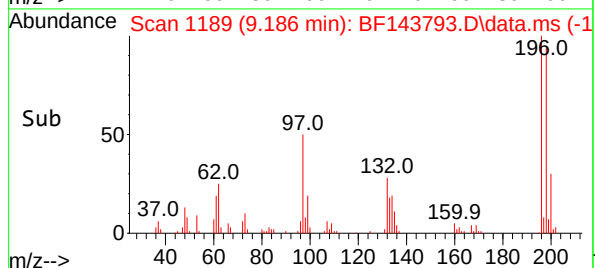
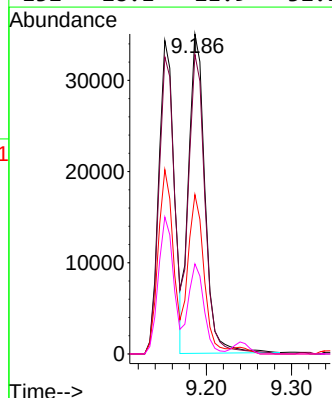
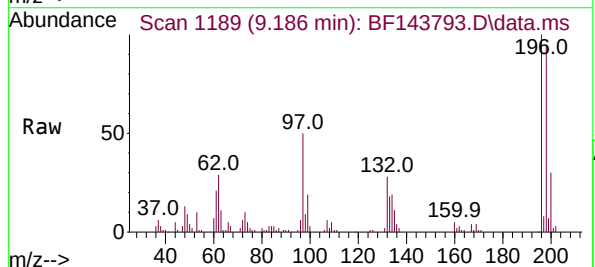
Ion Ratio Lower Upper

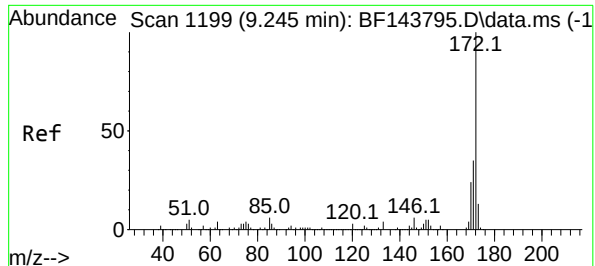
196 100

198 93.6 75.9 113.9

97 49.8 38.3 57.5

132 28.1 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 21.809 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

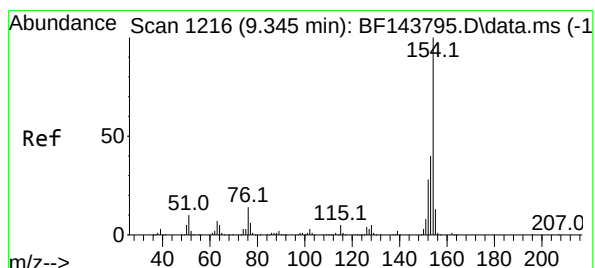
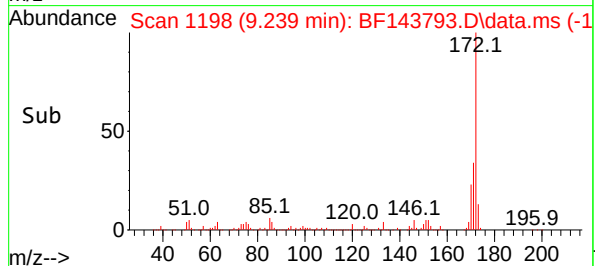
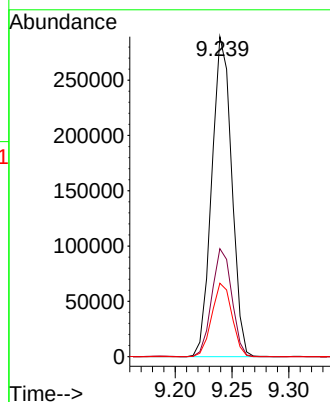
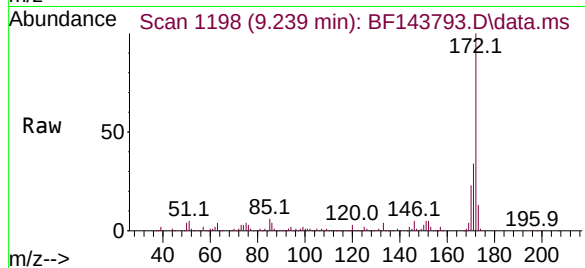
Tgt Ion:172 Resp: 353299

Ion Ratio Lower Upper

172 100

171 33.7 27.9 41.9

170 22.9 19.1 28.7



#46

1,1'-Biphenyl

Concen: 10.644 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

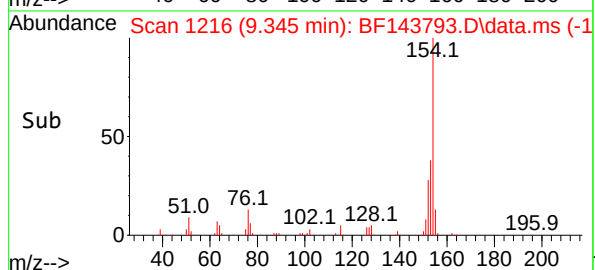
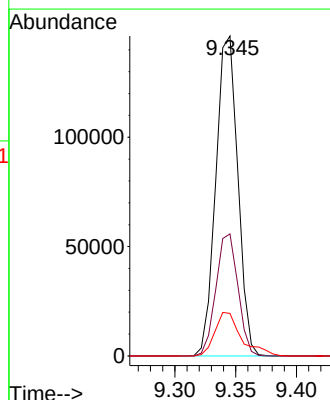
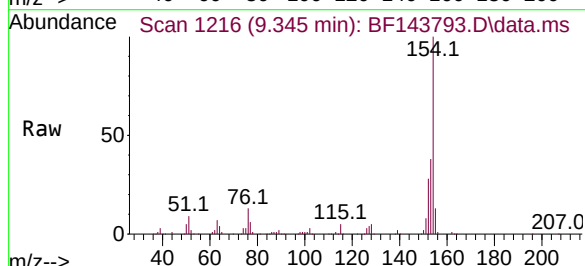
Tgt Ion:154 Resp: 184443

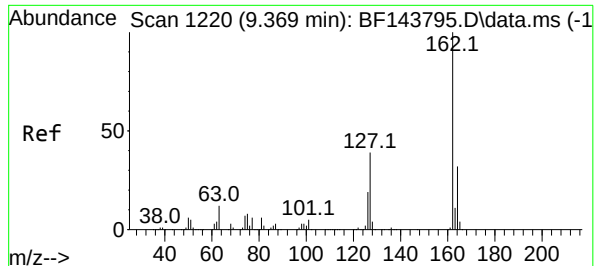
Ion Ratio Lower Upper

154 100

153 38.1 19.7 59.7

76 13.3 0.0 33.8





#47

2-Chloronaphthalene

Concen: 10.496 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

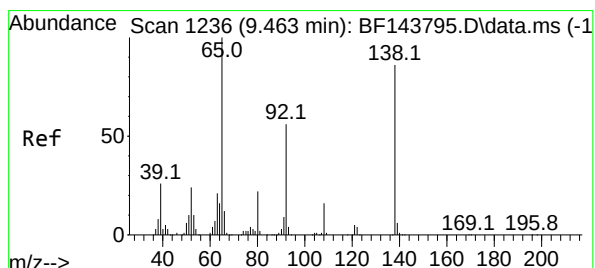
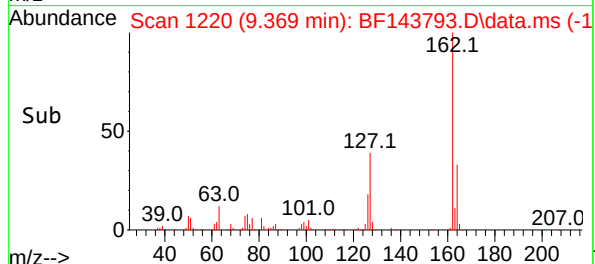
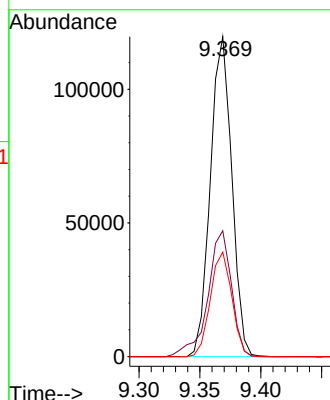
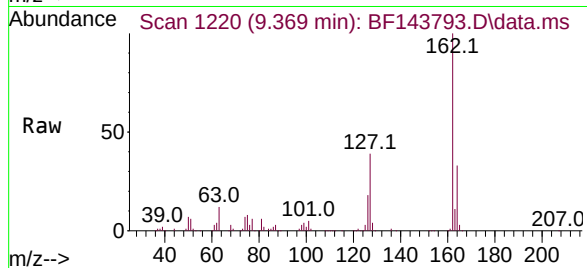
Tgt Ion:162 Resp: 146409

Ion Ratio Lower Upper

162 100

127 39.3 31.5 47.3

164 32.7 25.9 38.9



#48

2-Nitroaniline

Concen: 8.646 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

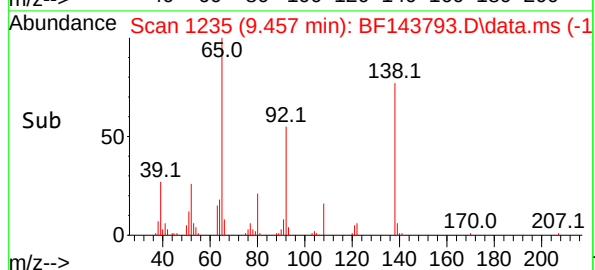
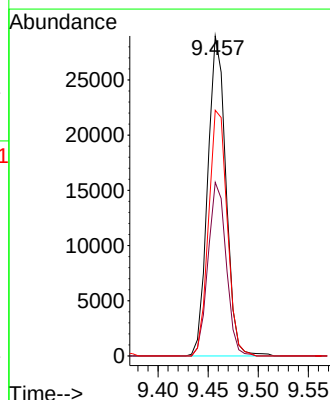
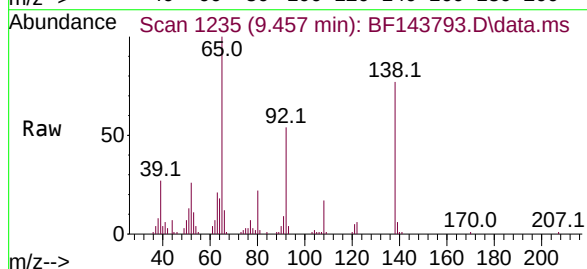
Tgt Ion: 65 Resp: 36451

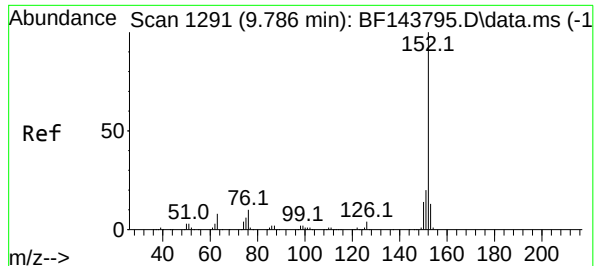
Ion Ratio Lower Upper

65 100

92 54.2 44.9 67.3

138 76.8 69.0 103.4





#49

Acenaphthylene

Concen: 10.338 ng

RT: 9.781 min Scan# 1290

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

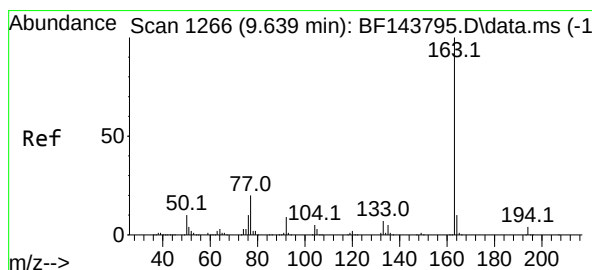
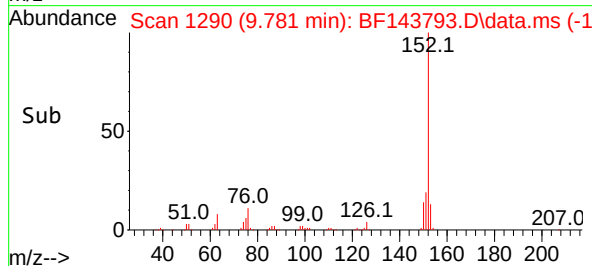
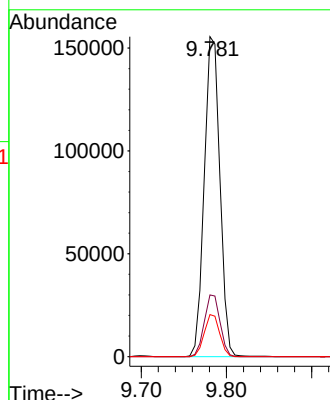
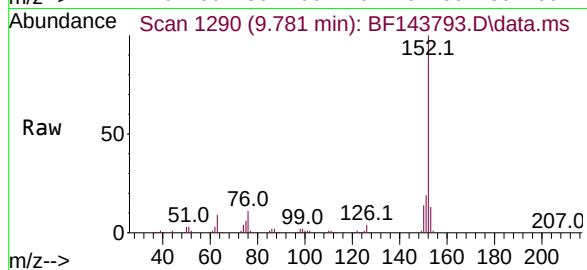
Tgt Ion:152 Resp: 198522

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 10.118 ng

RT: 9.633 min Scan# 1265

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

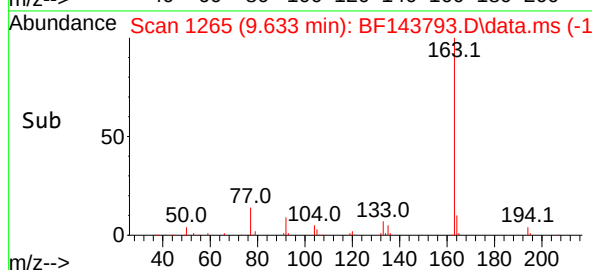
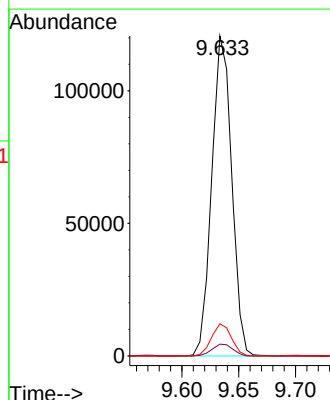
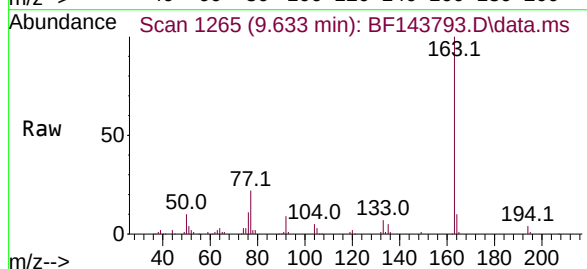
Tgt Ion:163 Resp: 147631

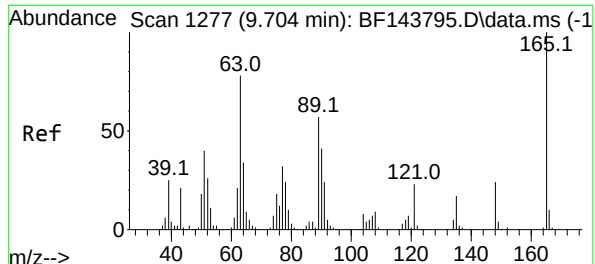
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

164 10.0 8.2 12.2

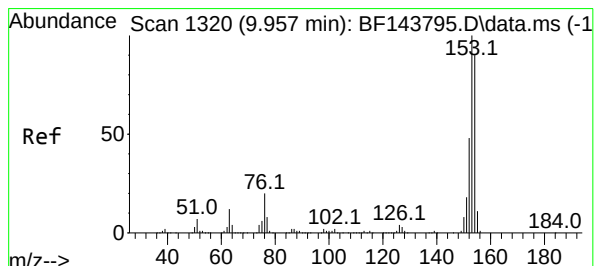
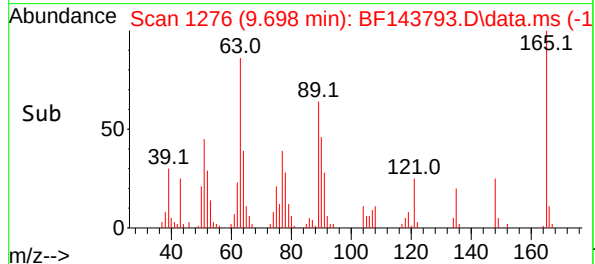
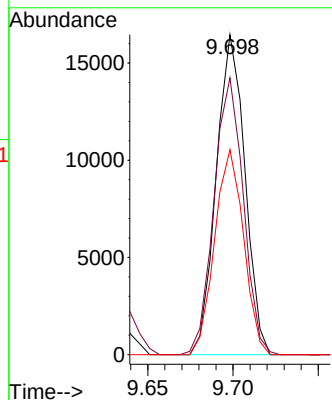
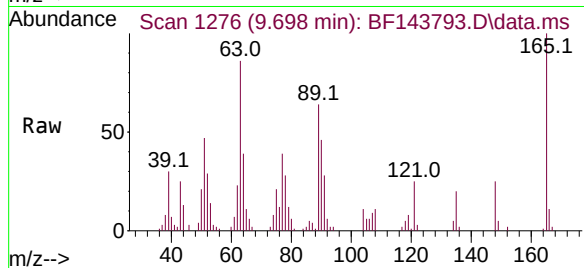




#51
2,6-Dinitrotoluene
Concen: 8.025 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

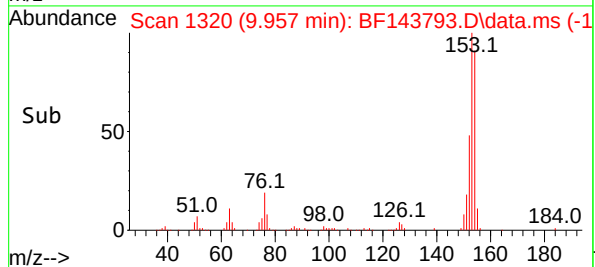
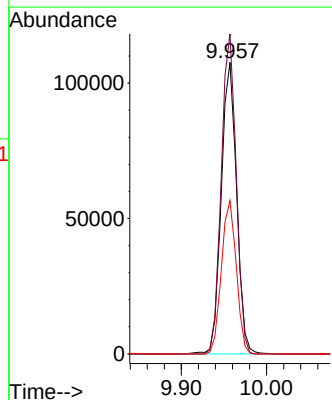
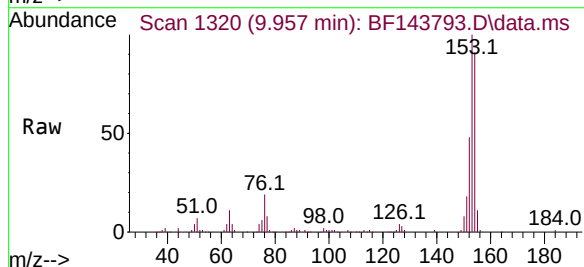
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

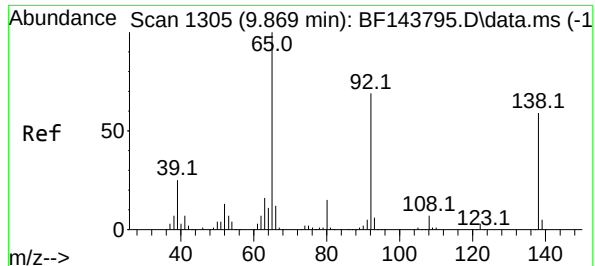
Tgt Ion	Ratio	Lower	Upper
165	100		
63	86.5	62.6	94.0
89	64.0	45.2	67.8



#52
Acenaphthene
Concen: 10.619 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.8	88.7	133.1
152	52.6	42.7	64.1





#53

3-Nitroaniline

Concen: 8.650 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

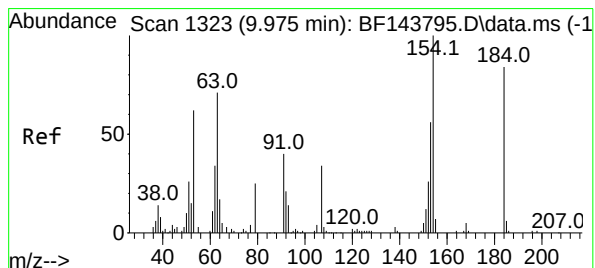
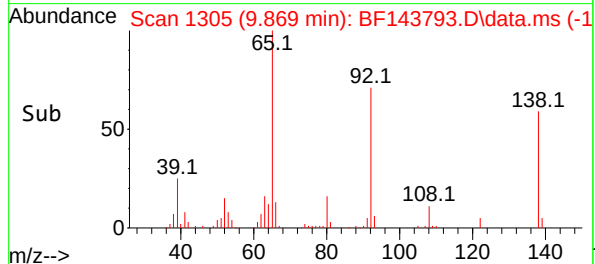
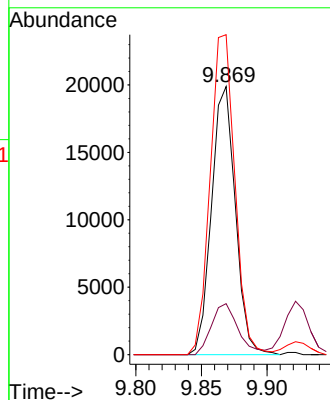
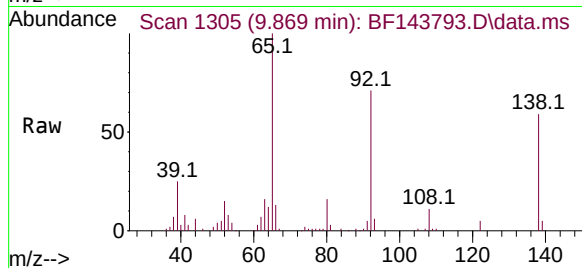
Tgt Ion:138 Resp: 25136

Ion Ratio Lower Upper

138 100

108 19.0 9.9 14.9#

92 119.3 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 11.233 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

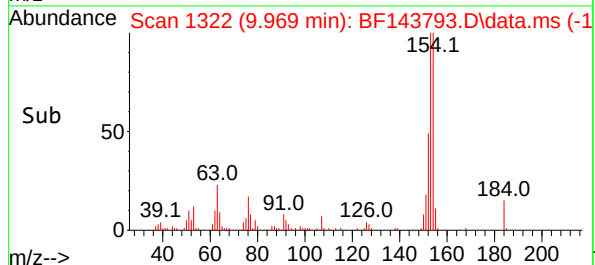
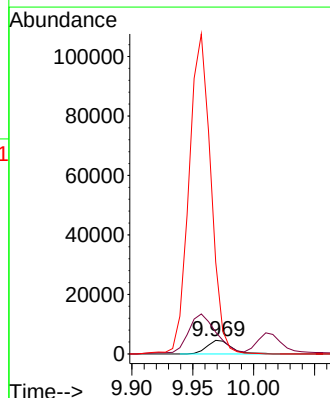
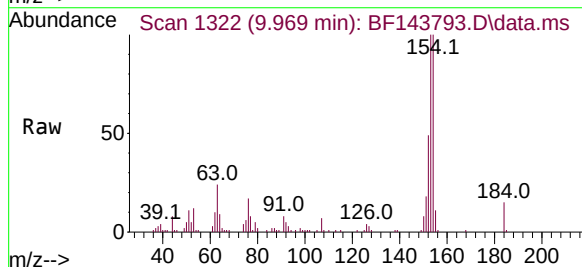
Tgt Ion:184 Resp: 6231

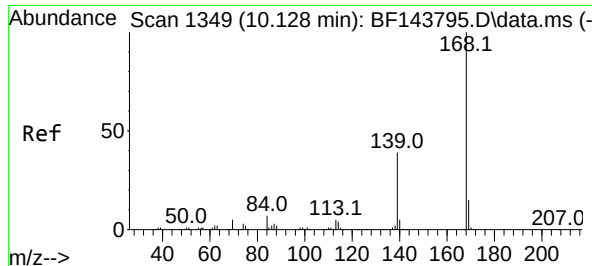
Ion Ratio Lower Upper

184 100

63 160.0 84.6 127.0#

154 677.6 199.3 298.9#





#55

Dibenzofuran

Concen: 10.393 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

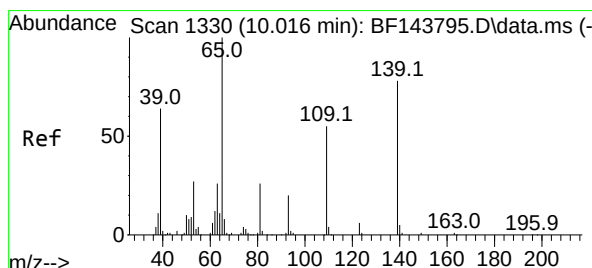
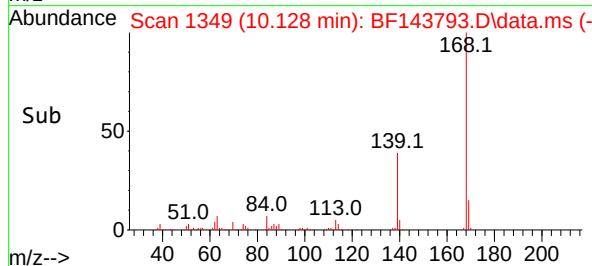
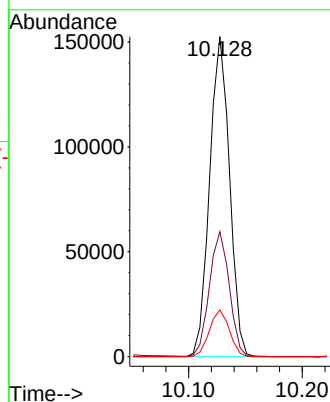
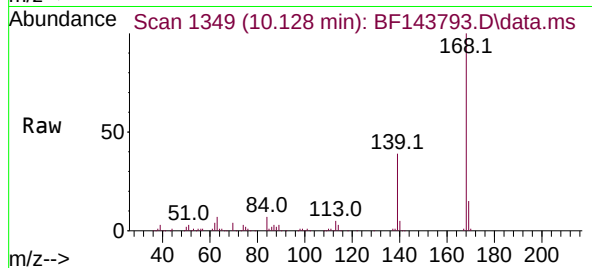
Tgt Ion:168 Resp: 185710

Ion Ratio Lower Upper

168 100

139 39.0 31.0 46.6

169 14.6 11.9 17.9



#56

4-Nitrophenol

Concen: 10.065 ng

RT: 10.016 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

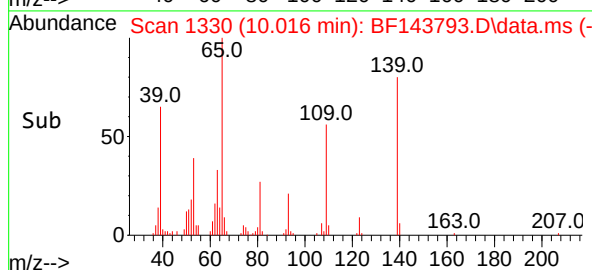
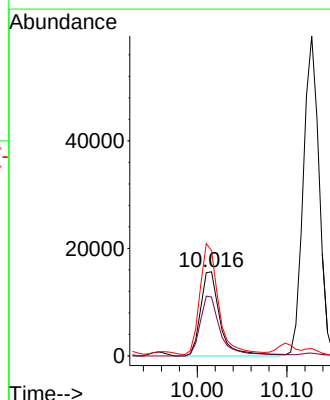
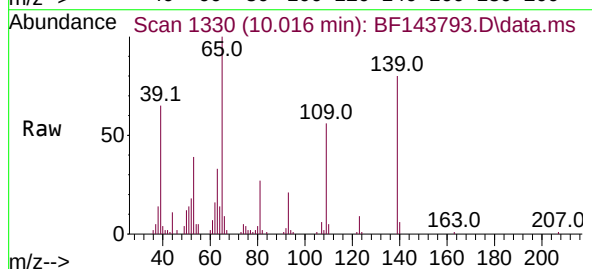
Tgt Ion:139 Resp: 23569

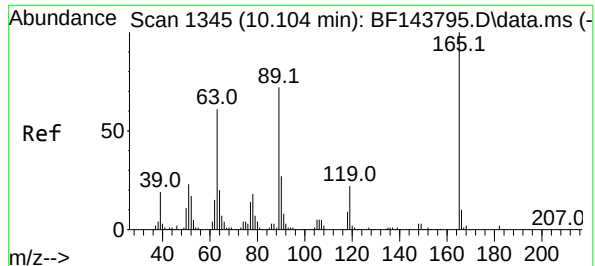
Ion Ratio Lower Upper

139 100

109 69.9 50.2 90.2

65 125.3 109.2 149.2

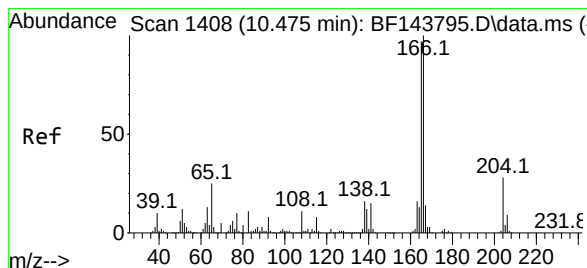
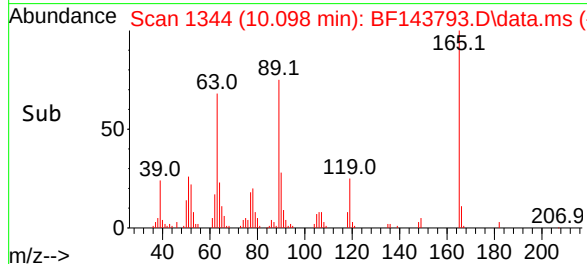
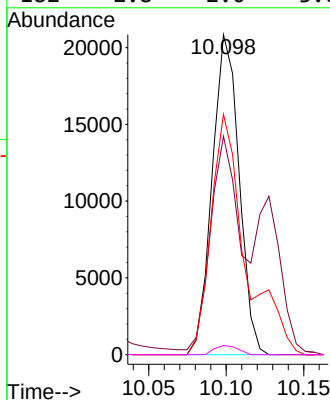
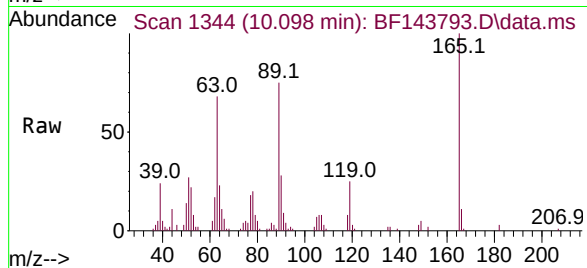




#57
2,4-Dinitrotoluene
Concen: 9.543 ng
RT: 10.098 min Scan# 1344
Delta R.T. -0.012 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

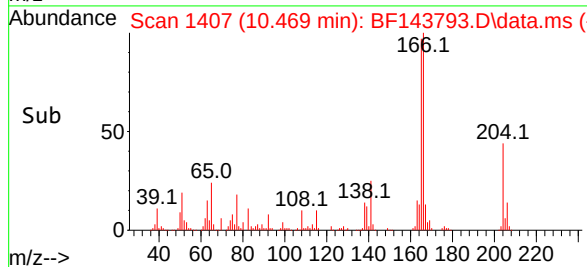
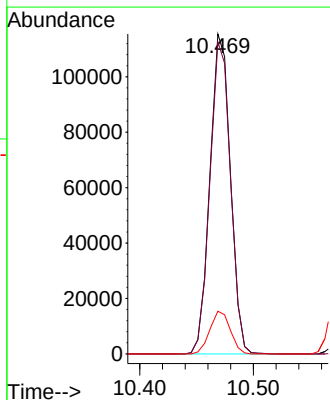
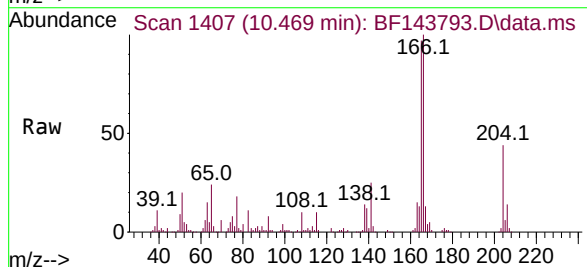
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

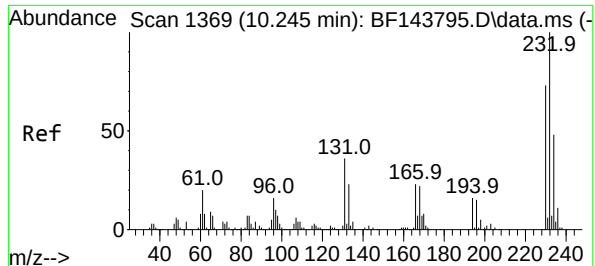
Tgt Ion	Ratio	Lower	Upper
165	100		
63	68.2	48.9	73.3
89	75.1	57.5	86.3
182	2.8	2.0	3.0



#58
Fluorene
Concen: 10.898 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.0	117.0
167	13.3	10.9	16.3

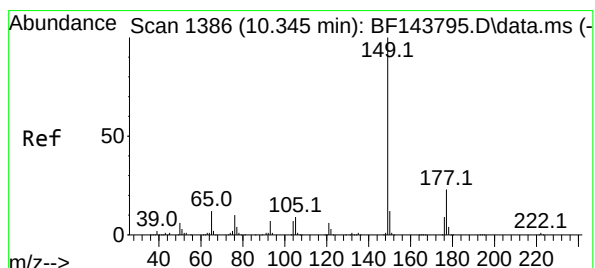
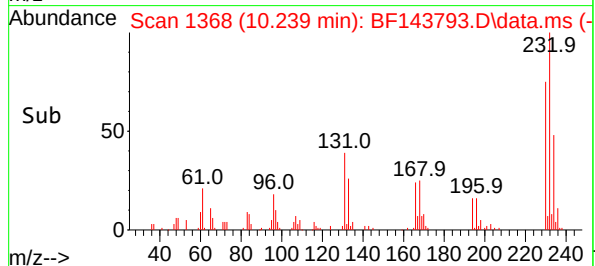
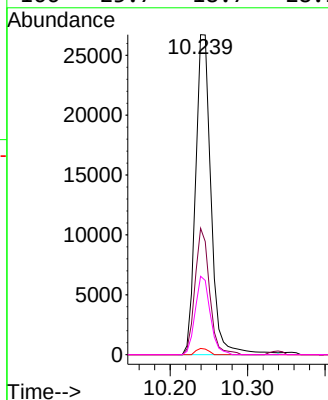
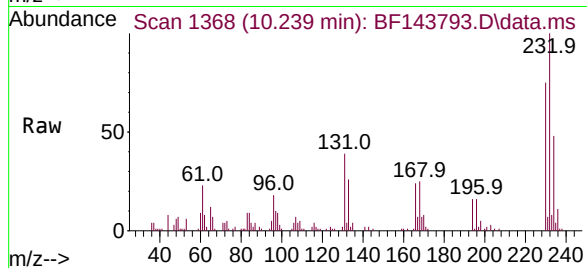




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.120 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

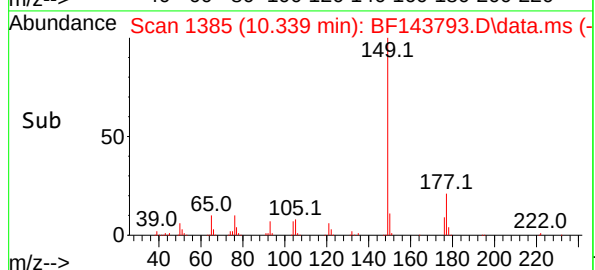
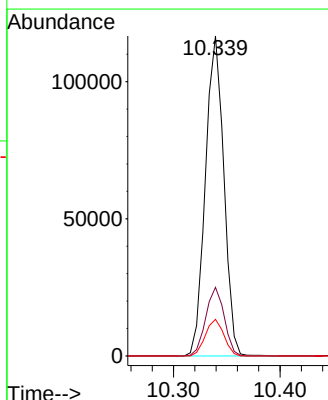
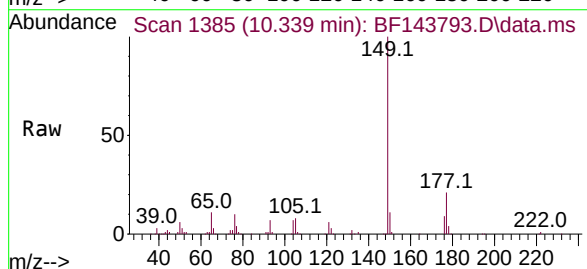
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

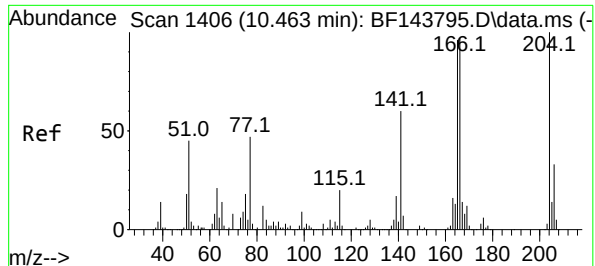
Tgt Ion:232 Resp: 36970
Ion Ratio Lower Upper
232 100
131 37.0 29.4 44.2
130 1.5 1.3 1.9
166 23.7 18.7 28.1



#60
Diethylphthalate
Concen: 10.254 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion:149 Resp: 140054
Ion Ratio Lower Upper
149 100
177 21.4 18.1 27.1
150 11.4 9.7 14.5

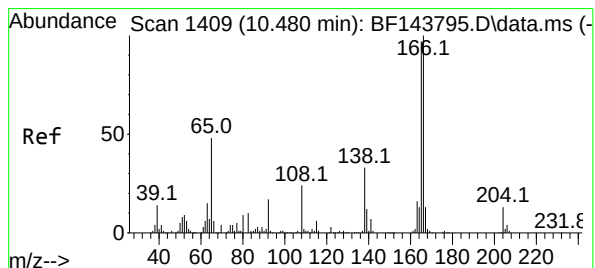
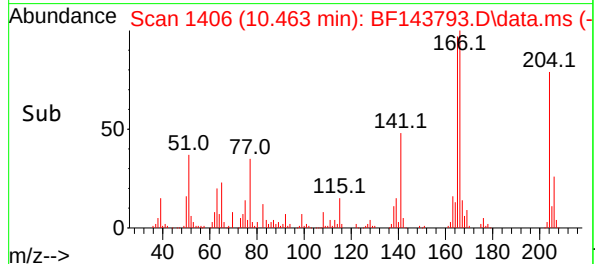
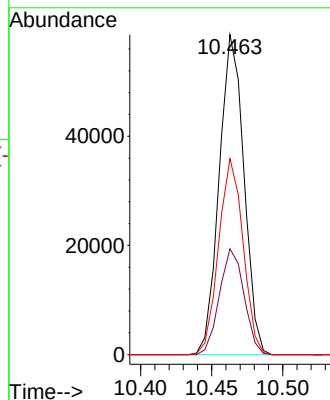
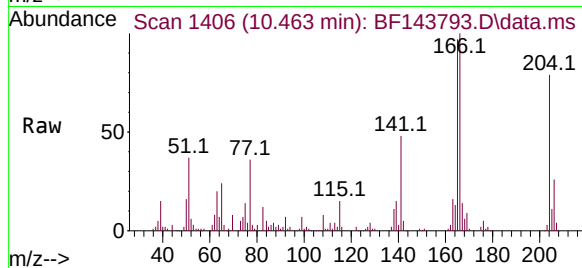




#61
4-Chlorophenyl-phenylether
Concen: 10.472 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

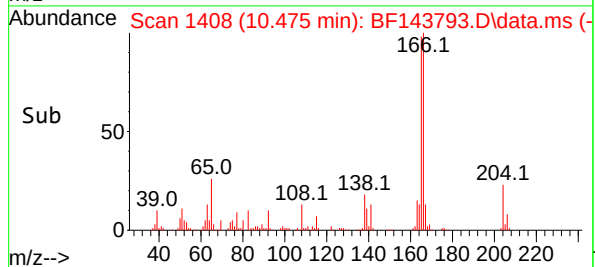
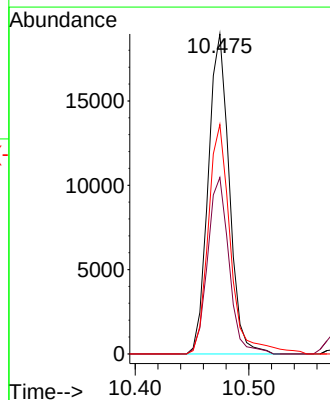
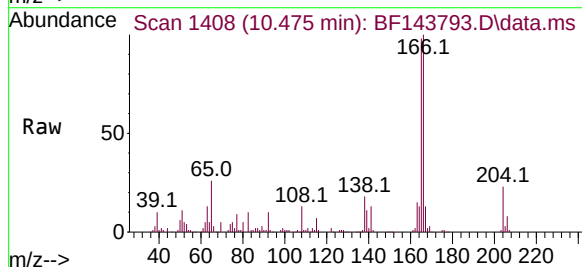
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

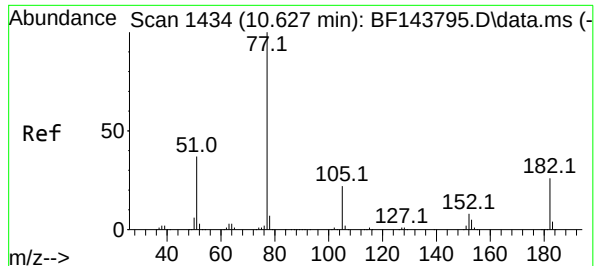
Tgt Ion	204	Resp:	70883
Ion Ratio	Lower	Upper	
204	100		
206	33.1	26.7	40.1
141	61.2	48.2	72.2



#62
4-Nitroaniline
Concen: 8.943 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion	138	Resp:	24435
Ion Ratio	Lower	Upper	
138	100		
92	55.1	31.5	71.5
108	71.7	51.9	91.9

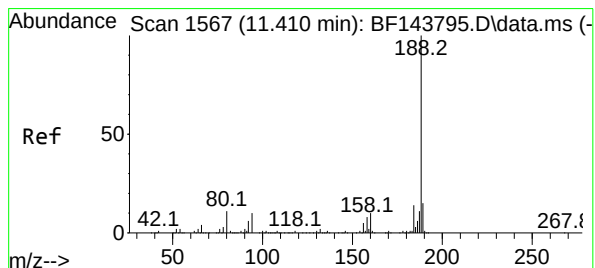
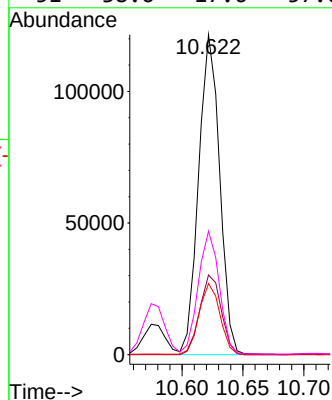
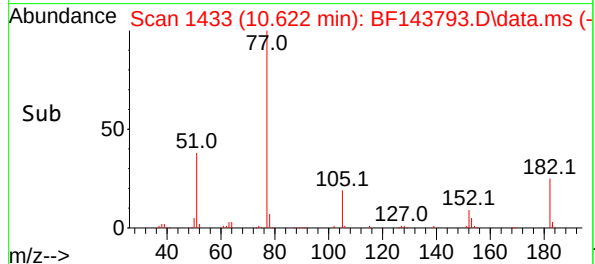
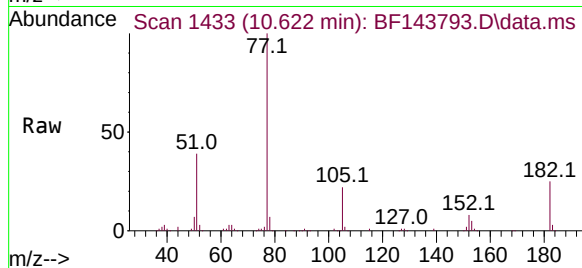




#63
Azobenzene
Concen: 10.152 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

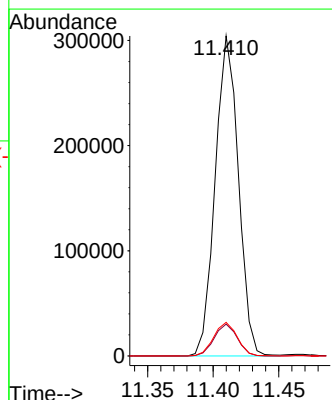
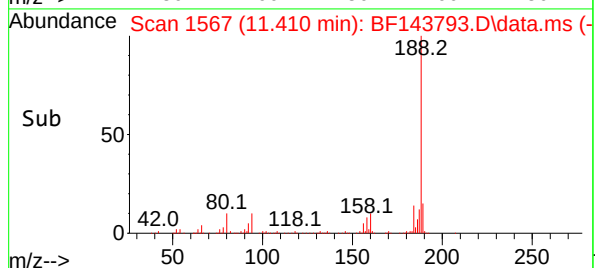
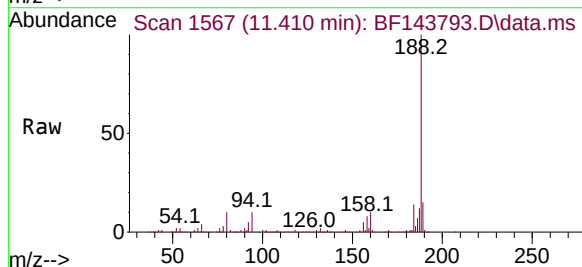
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

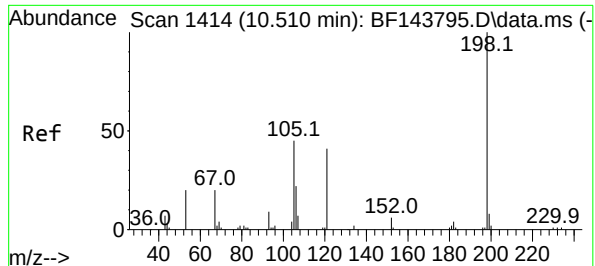
Tgt Ion: 77	Resp: 146130
Ion Ratio	Lower Upper
77 100	
182 24.9	5.9 45.9
105 22.2	2.3 42.3
51 38.6	17.6 57.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion: 188	Resp: 375125
Ion Ratio	Lower Upper
188 100	
94 9.9	8.2 12.2
80 10.5	8.6 12.8

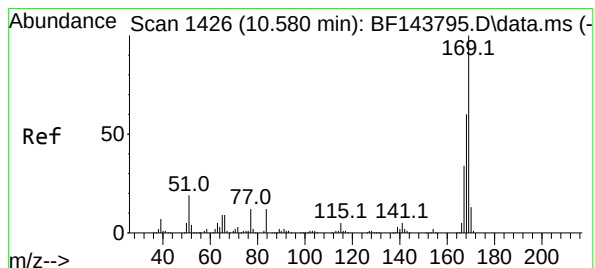
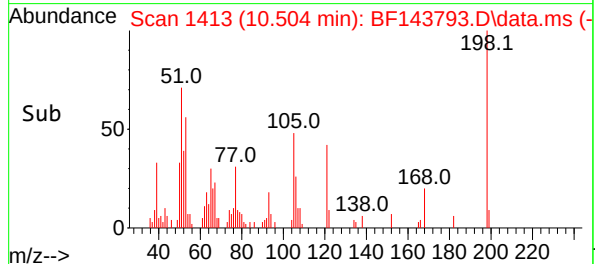
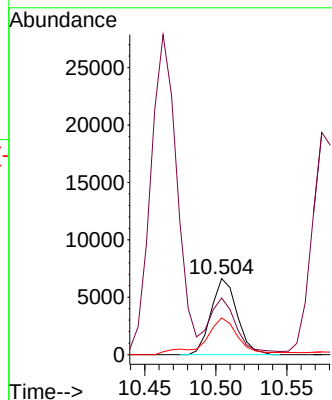
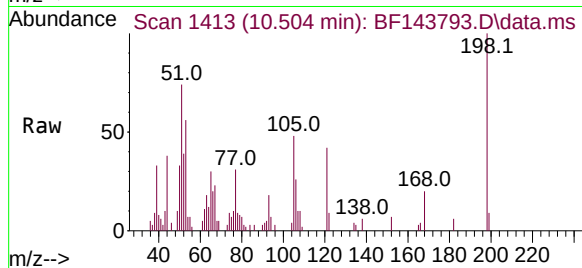




#65
4,6-Dinitro-2-methylphenol
Concen: 10.867 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

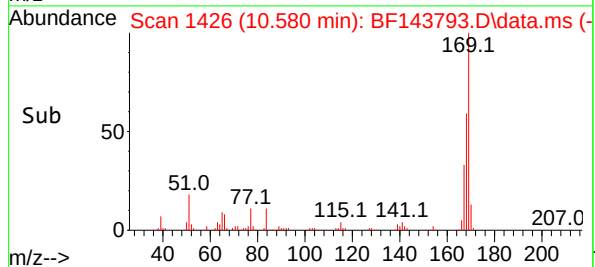
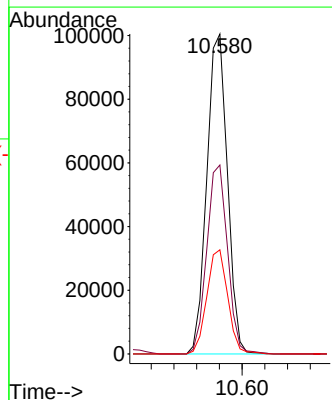
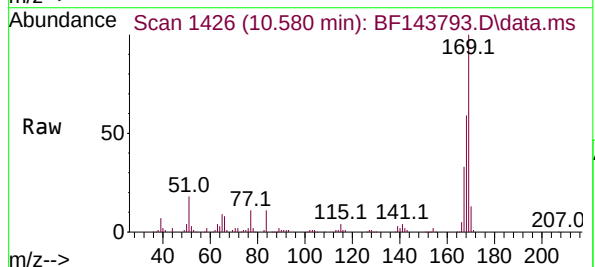
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

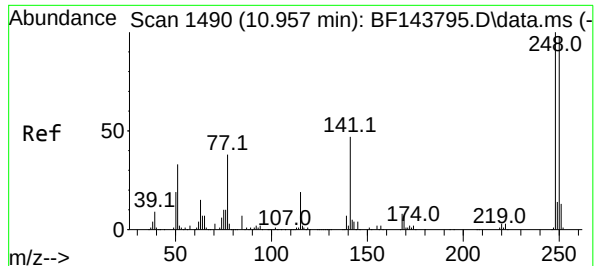
Tgt Ion:198 Resp: 8417
Ion Ratio Lower Upper
198 100
51 74.4 52.0 92.0
105 48.2 27.5 67.5



#66
n-Nitrosodiphenylamine
Concen: 10.261 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion:169 Resp: 126584
Ion Ratio Lower Upper
169 100
168 59.0 47.9 71.9
167 32.5 27.0 40.6

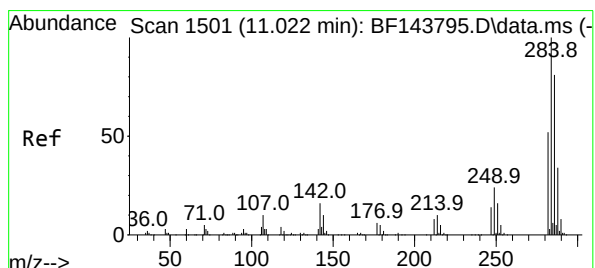
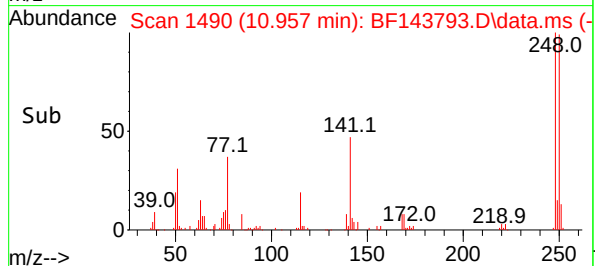
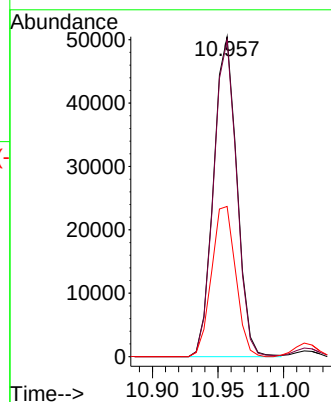
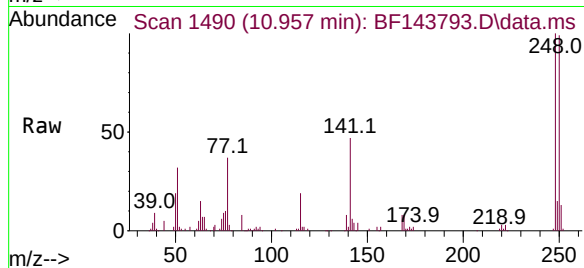




#67
4-Bromophenyl-phenylether
Concen: 9.784 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

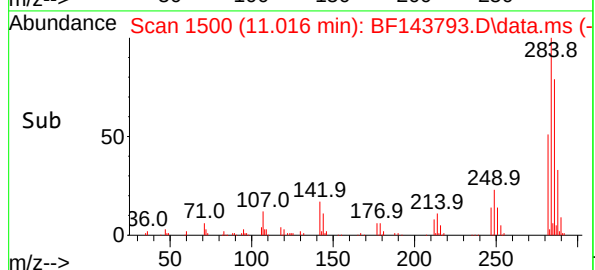
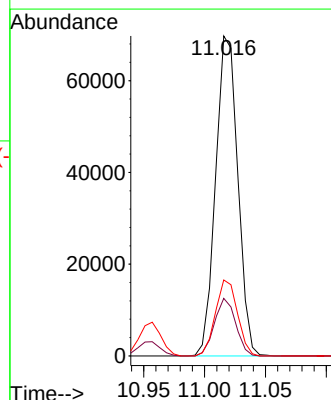
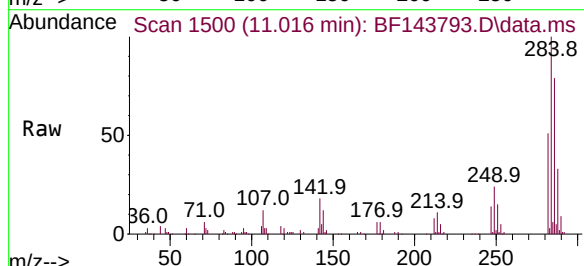
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

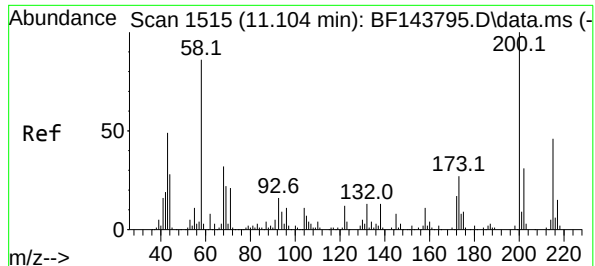
Tgt Ion:248 Resp: 62547
Ion Ratio Lower Upper
248 100
250 98.9 78.7 118.1
141 46.9 37.9 56.9



#68
Hexachlorobenzene
Concen: 10.009 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion:284 Resp: 88177
Ion Ratio Lower Upper
284 100
142 18.0 13.1 19.7
249 23.7 19.5 29.3





#69

Atrazine

Concen: 10.010 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

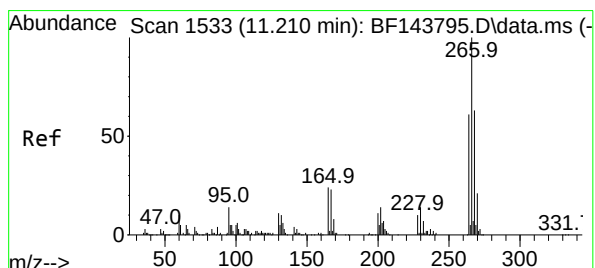
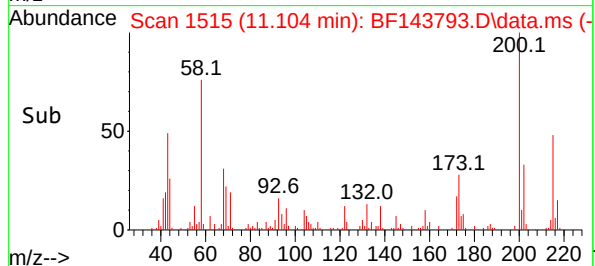
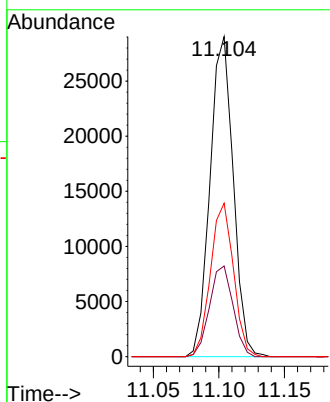
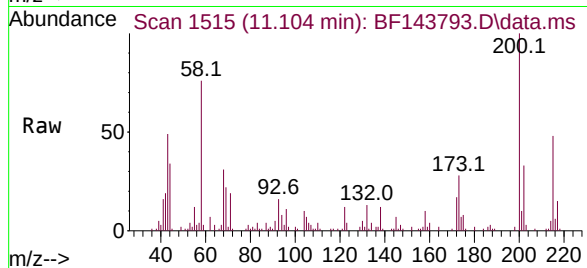
Tgt Ion:200 Resp: 35762

Ion Ratio Lower Upper

200 100

173 28.3 7.2 47.2

215 47.9 26.0 66.0



#70

Pentachlorophenol

Concen: 7.704 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

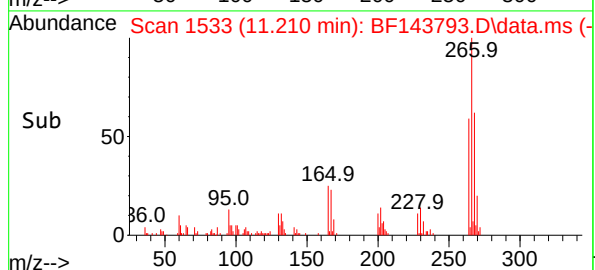
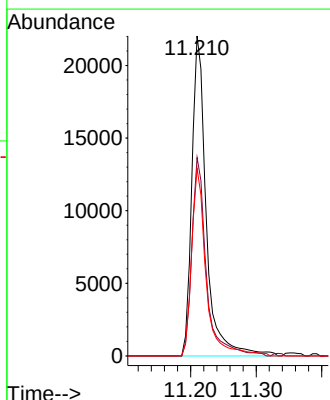
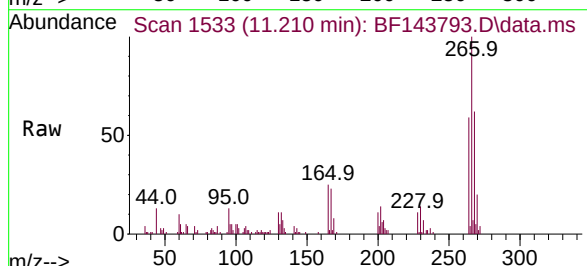
Tgt Ion:266 Resp: 33783

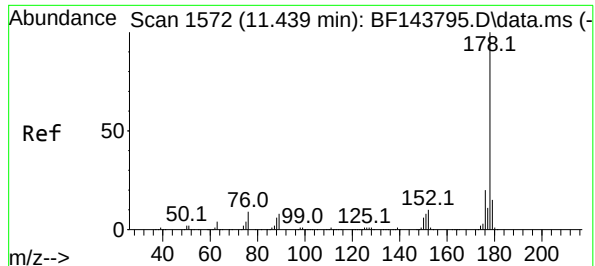
Ion Ratio Lower Upper

266 100

268 62.0 50.5 75.7

264 58.6 48.8 73.2

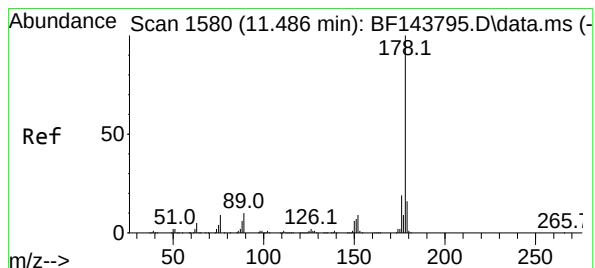
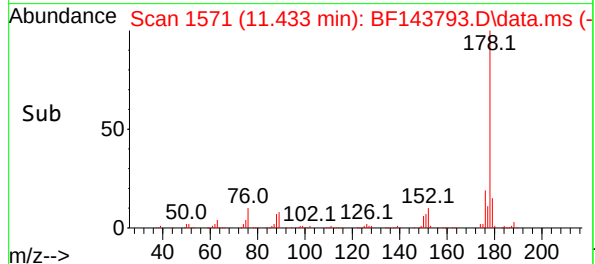
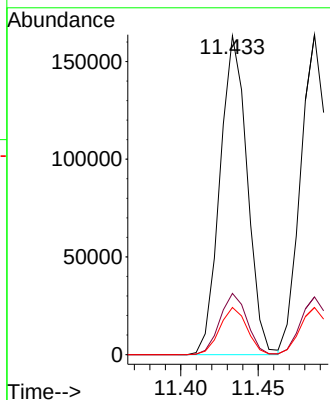
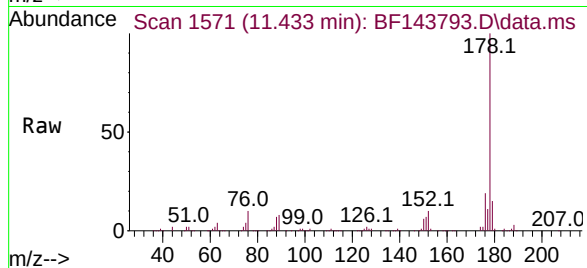




#71
Phenanthrene
Concen: 10.386 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

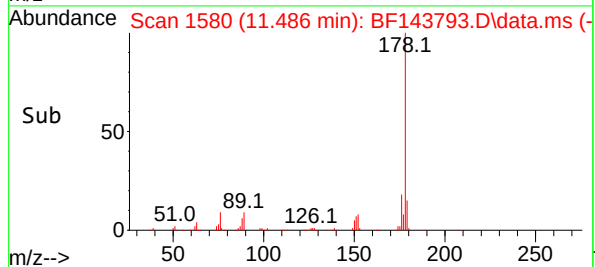
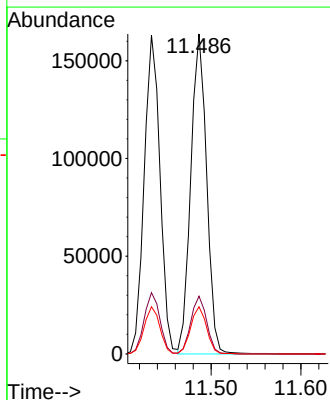
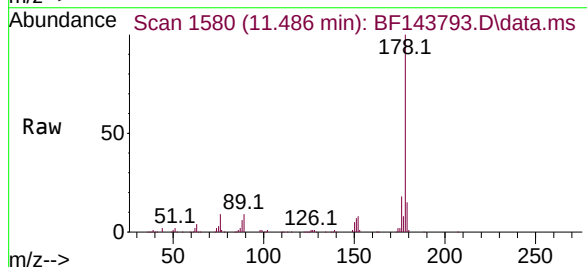
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

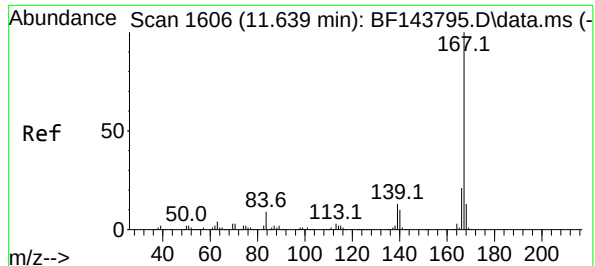
Tgt Ion:178 Resp: 200025
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 14.8 12.2 18.4



#72
Anthracene
Concen: 10.379 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion:178 Resp: 200505
Ion Ratio Lower Upper
178 100
176 18.0 15.3 22.9
179 14.7 12.8 19.2

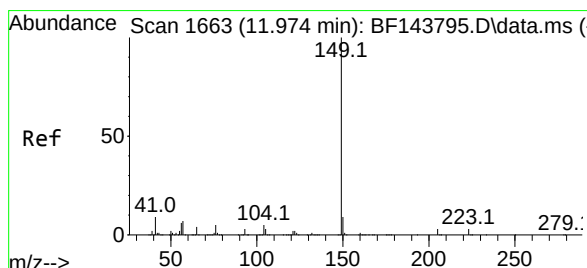
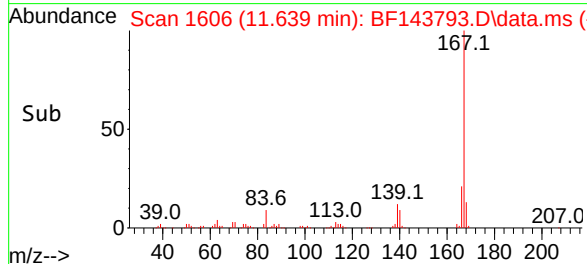
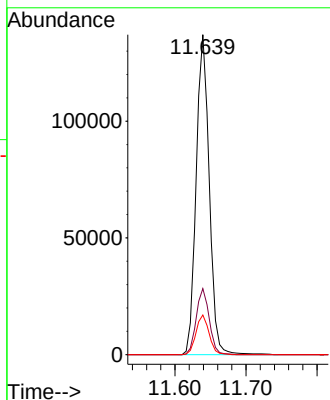
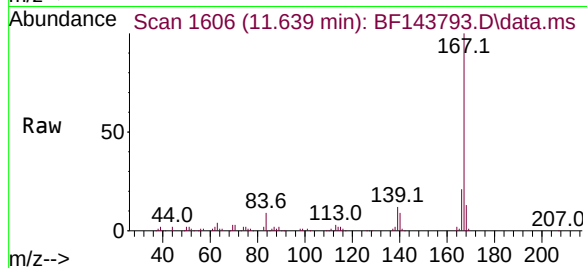




#73
Carbazole
Concen: 10.337 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

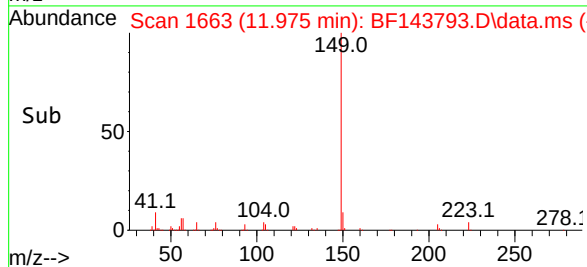
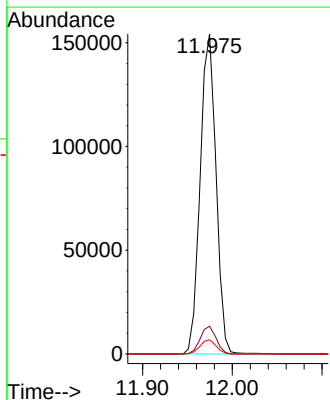
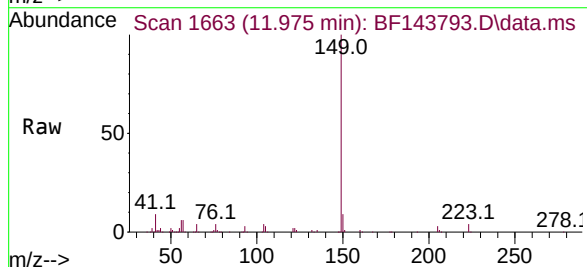
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

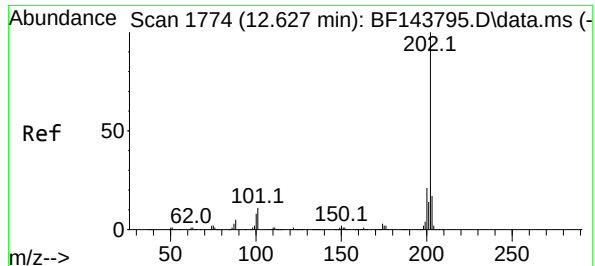
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.0	25.4
139	12.4	10.6	15.8



#74
Di-n-butylphthalate
Concen: 9.736 ng
RT: 11.975 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.3	10.9
104	4.4	3.6	5.4

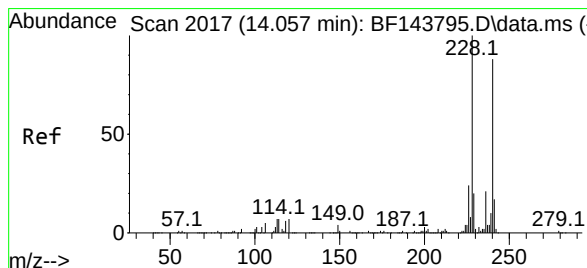
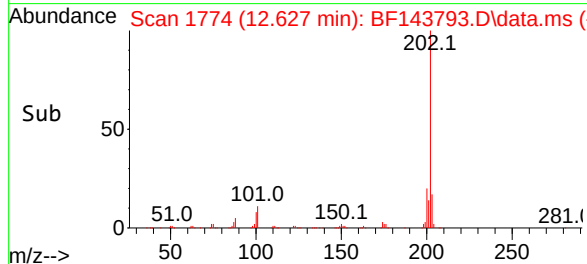
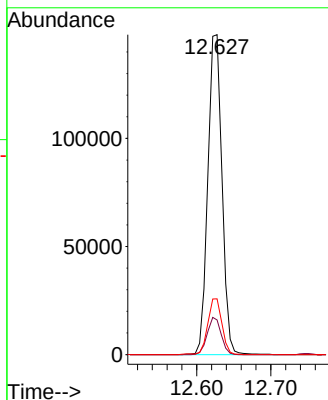
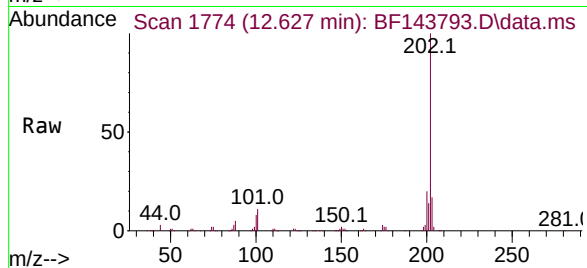




#75
Fluoranthene
Concen: 10.129 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

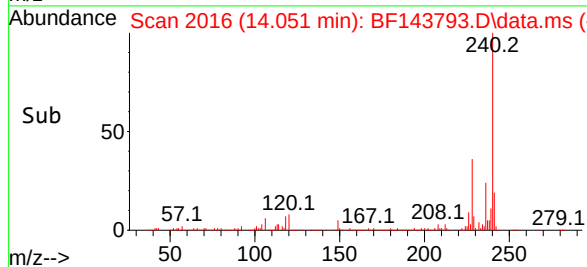
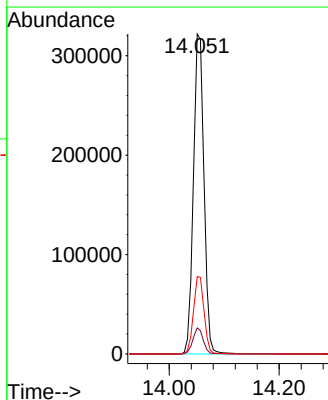
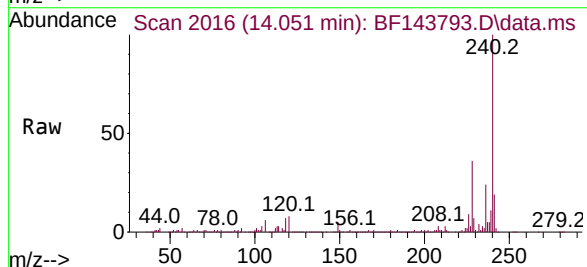
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

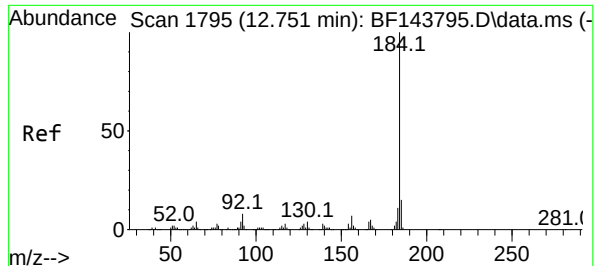
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.1
203	17.4	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.2	9.4
236	24.2	19.4	29.2

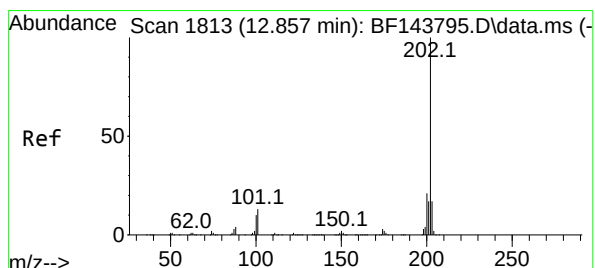
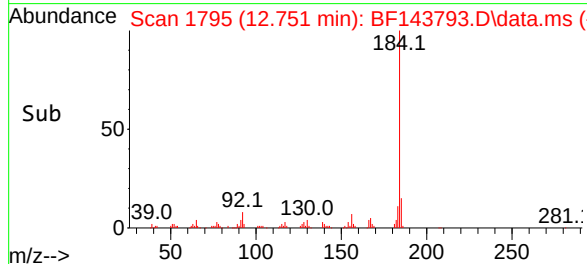
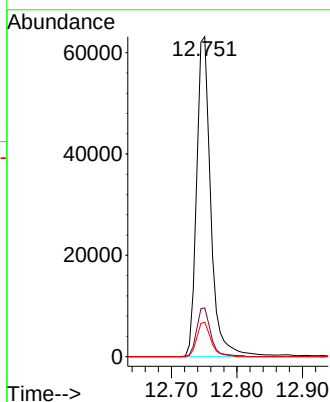
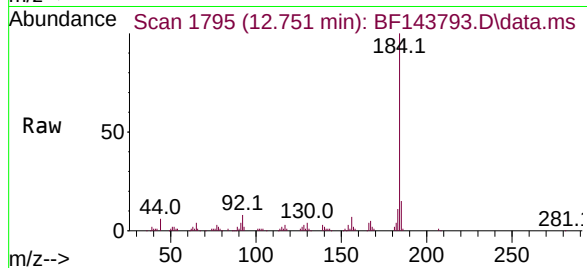




#77
Benzidine
Concen: 8.997 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

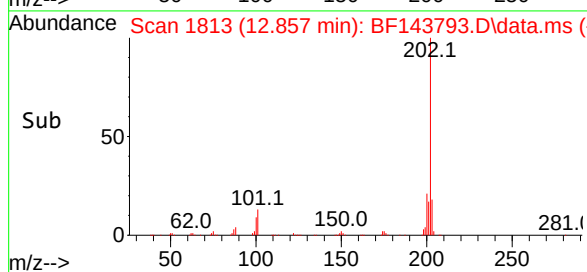
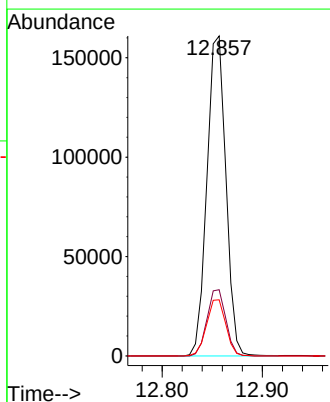
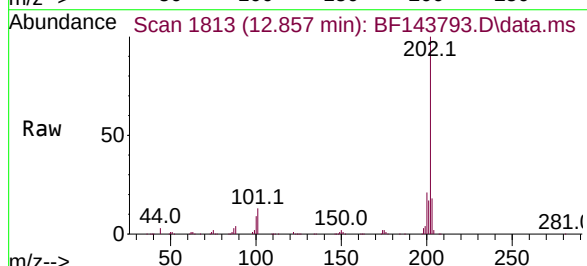
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

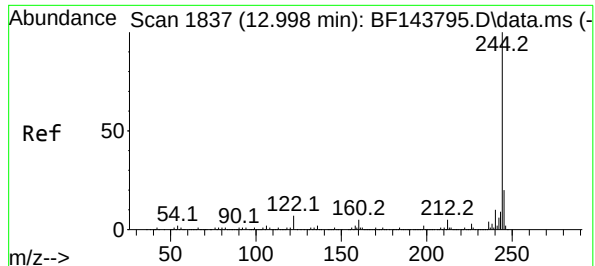
Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.6	17.4
183	10.7	8.6	13.0



#78
Pyrene
Concen: 9.983 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

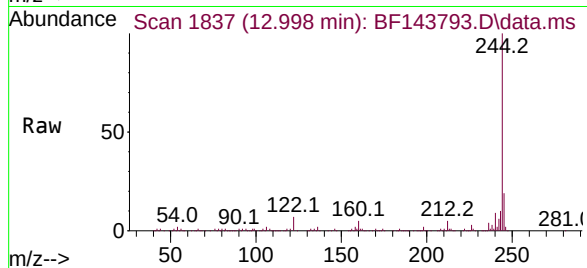
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.5	13.9	20.9



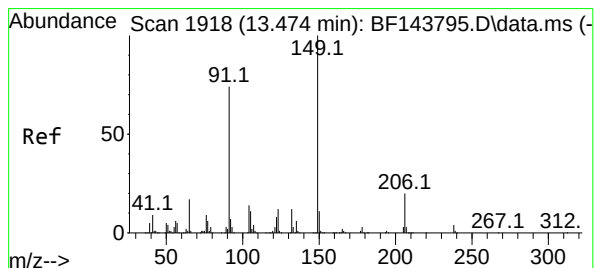
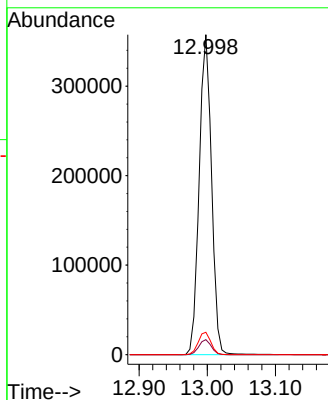
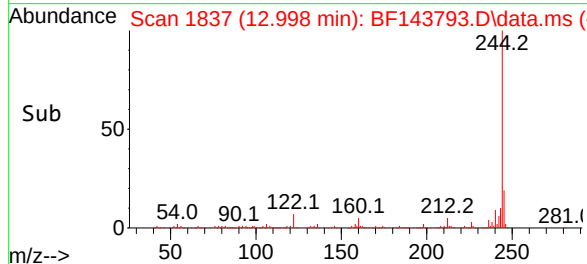


#79
Terphenyl-d14
Concen: 20.493 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

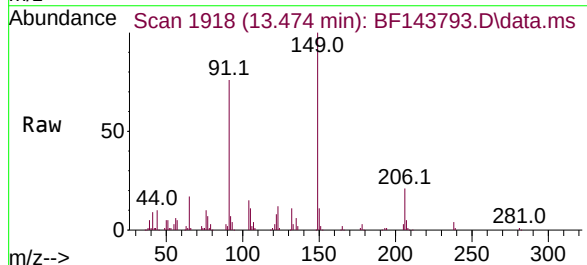
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



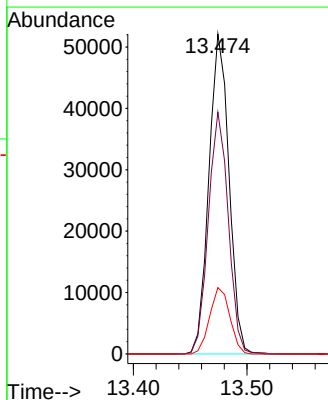
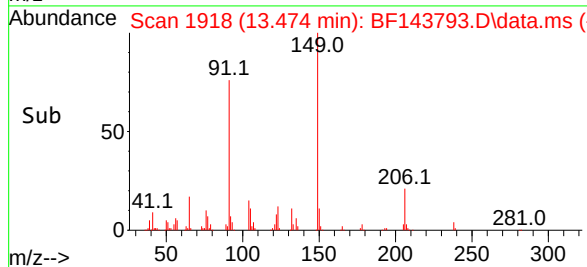
Tgt Ion:244 Resp: 449442
Ion Ratio Lower Upper
244 100
212 4.7 3.9 5.9
122 7.0 5.6 8.4

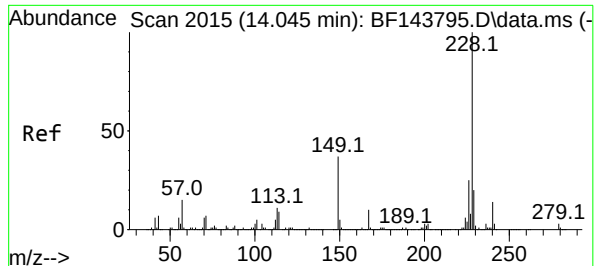


#80
Butylbenzylphthalate
Concen: 8.751 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57



Tgt Ion:149 Resp: 64090
Ion Ratio Lower Upper
149 100
91 75.5 59.5 89.3
206 20.8 16.1 24.1





#81

Benzo(a)anthracene

Concen: 10.061 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

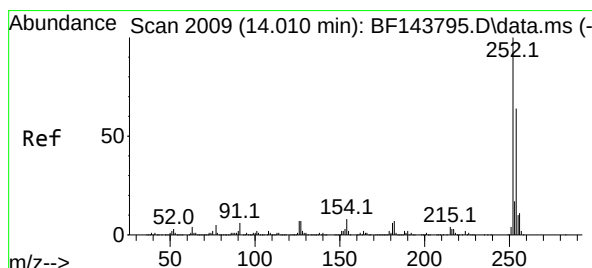
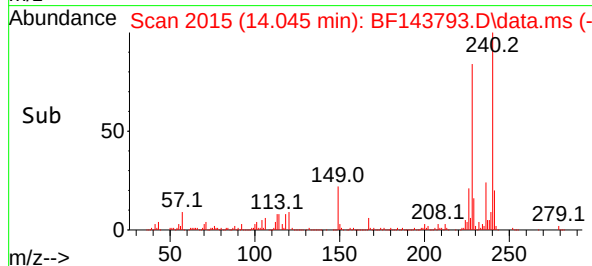
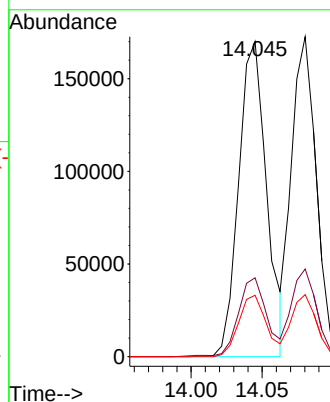
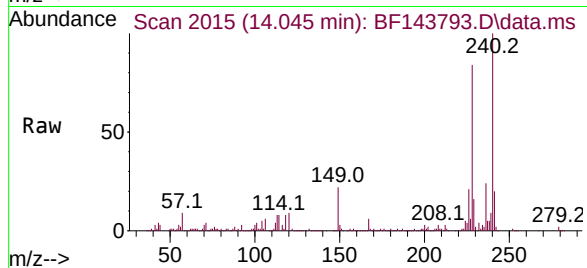
Tgt Ion:228 Resp: 232722

Ion Ratio Lower Upper

228 100

226 25.0 20.2 30.2

229 19.5 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 9.160 ng

RT: 14.010 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

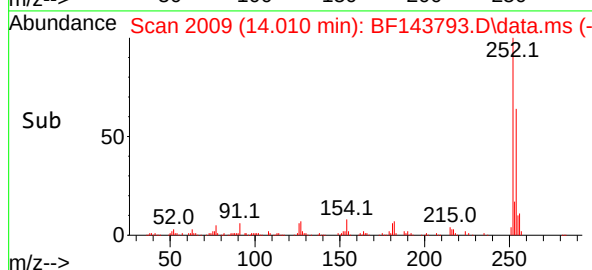
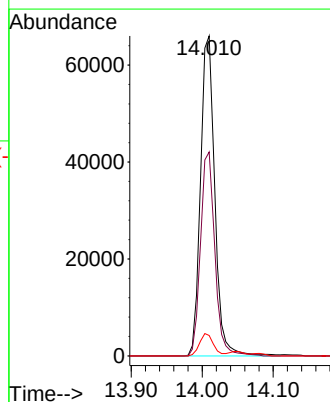
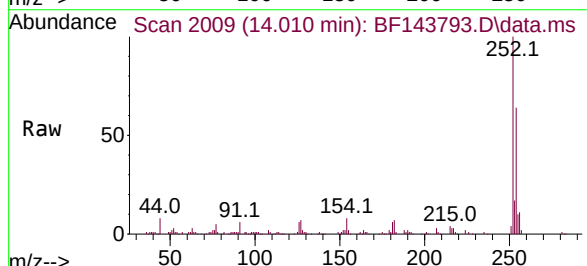
Tgt Ion:252 Resp: 91789

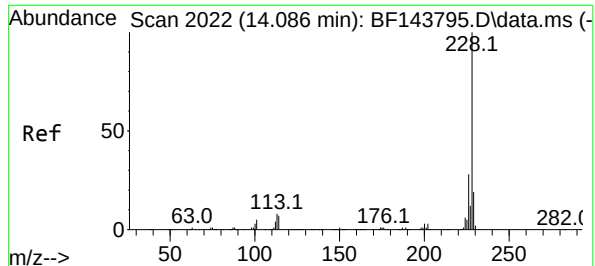
Ion Ratio Lower Upper

252 100

254 63.8 51.5 77.3

126 6.4 5.4 8.2





#83

Chrysene

Concen: 10.133 ng

RT: 14.080 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

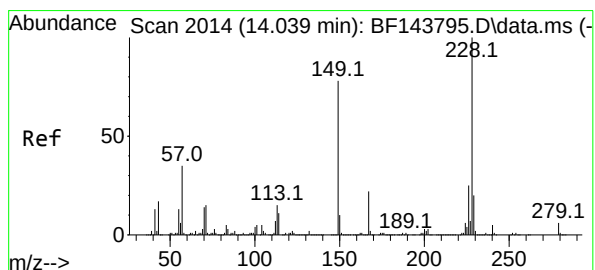
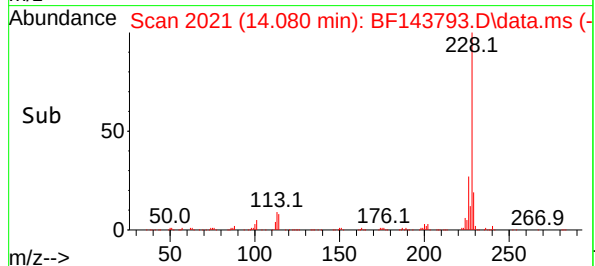
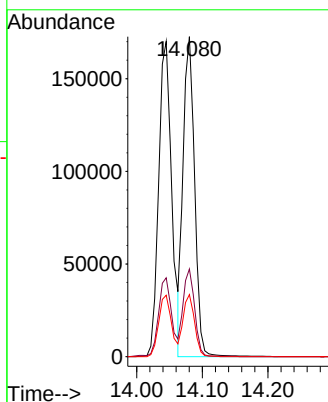
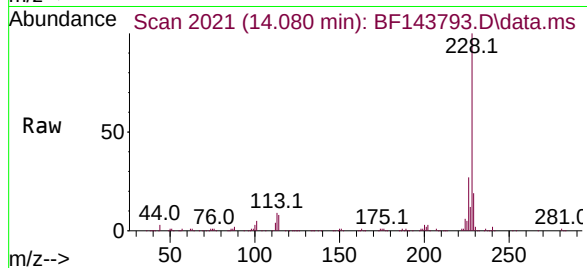
Tgt Ion:228 Resp: 212098

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

229 19.4 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.557 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

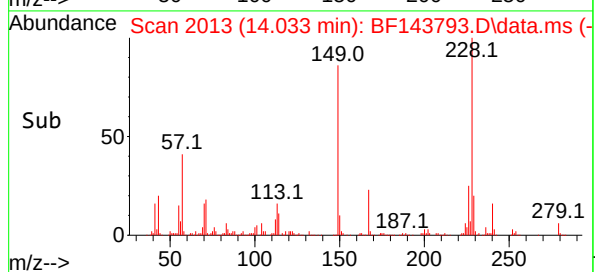
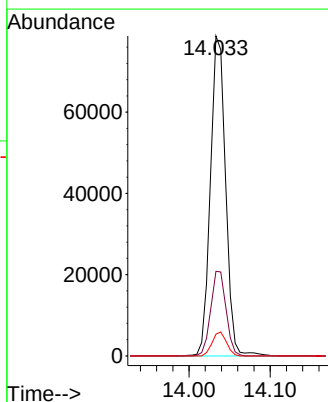
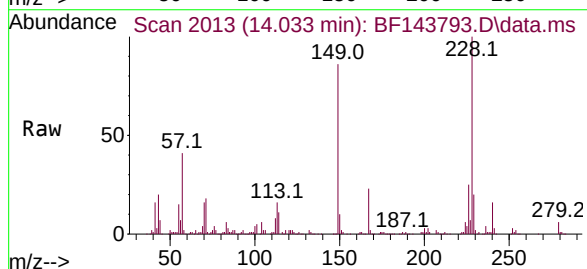
Tgt Ion:149 Resp: 102600

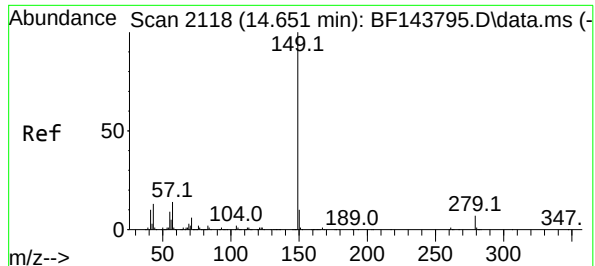
Ion Ratio Lower Upper

149 100

167 26.4 22.2 33.2

279 6.8 6.0 9.0

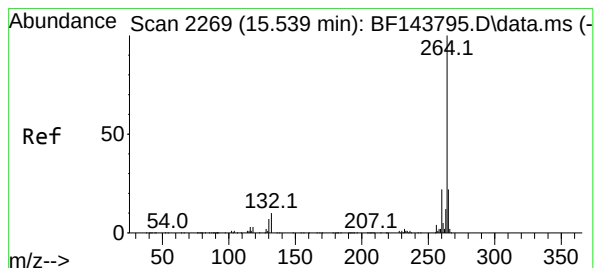
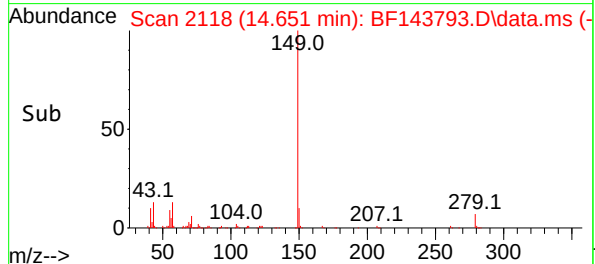
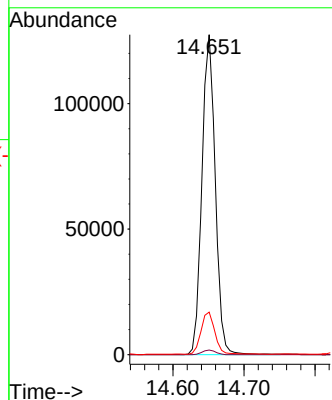
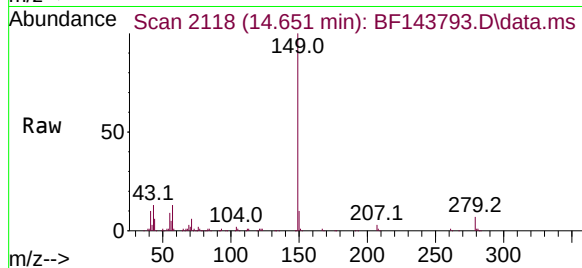




#85
Di-n-octyl phthalate
Concen: 8.482 ng
RT: 14.651 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

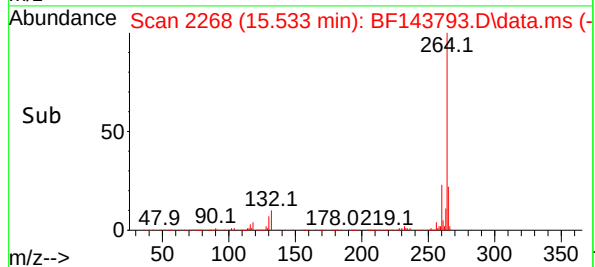
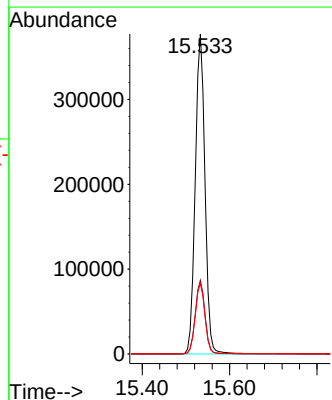
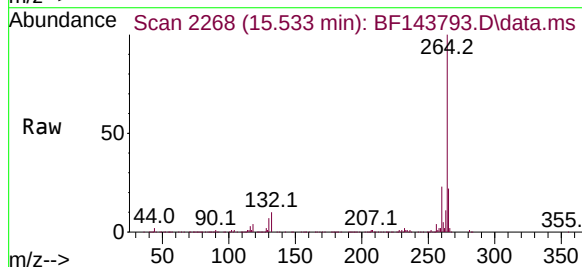
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

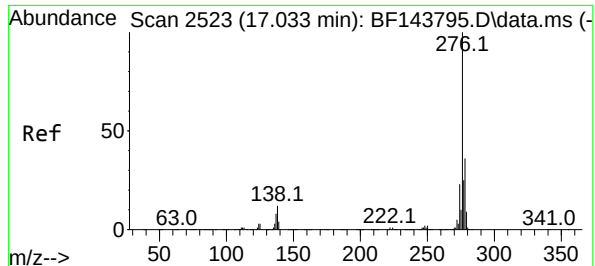
Tgt Ion:149 Resp: 165178
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 13.7 10.7 16.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion:264 Resp: 582350
Ion Ratio Lower Upper
264 100
260 23.0 17.9 26.9
265 22.1 17.7 26.5

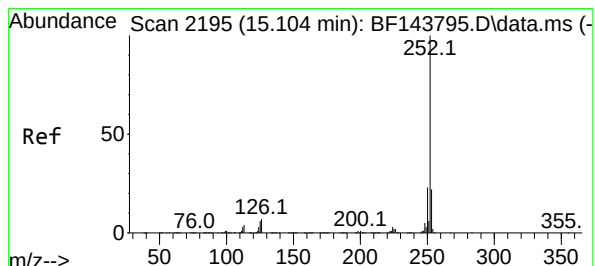
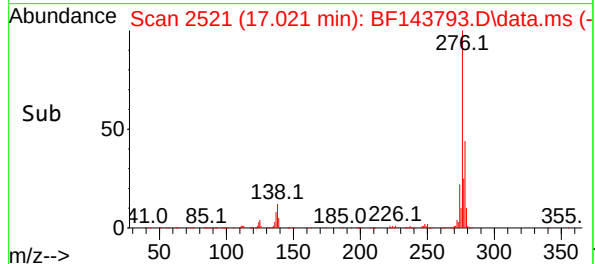
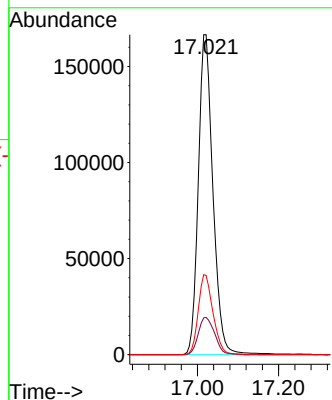
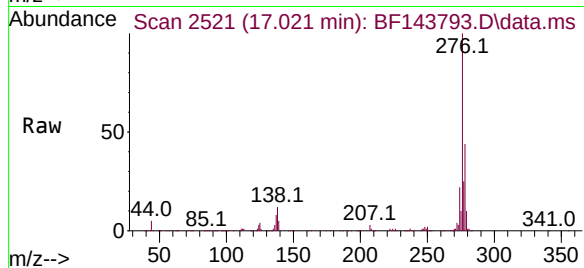




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.400 ng
RT: 17.021 min Scan# 2194
Delta R.T. -0.023 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

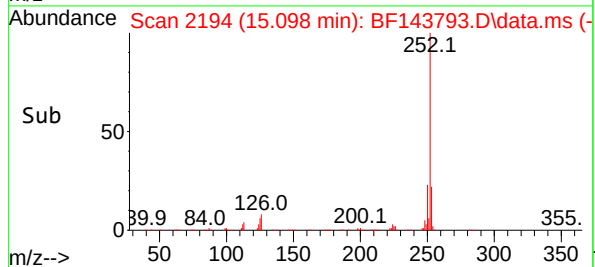
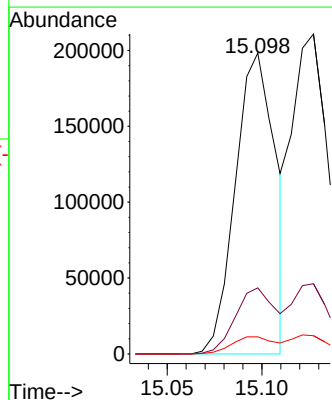
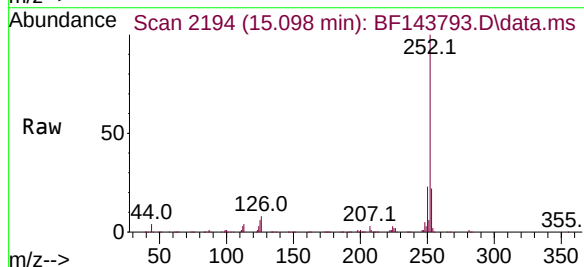
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

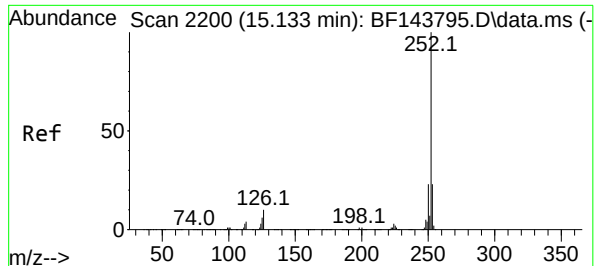
Tgt Ion:276 Resp: 415337
Ion Ratio Lower Upper
276 100
138 13.0 10.6 15.8
277 25.1 20.7 31.1



#88
Benzo(b)fluoranthene
Concen: 9.857 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion:252 Resp: 292308
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 5.7 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 9.808 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

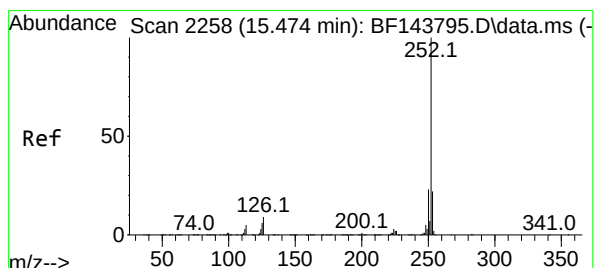
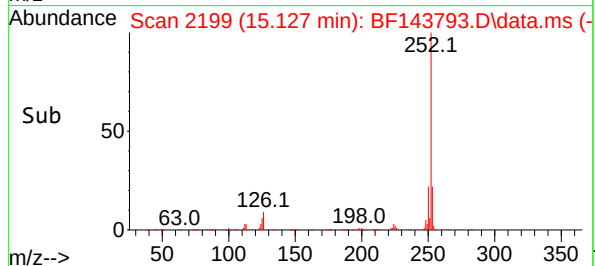
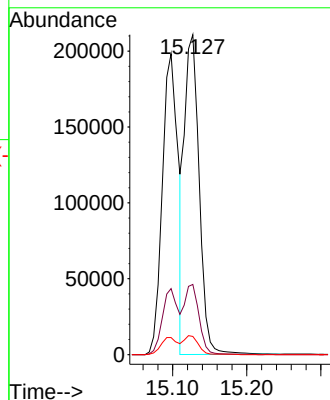
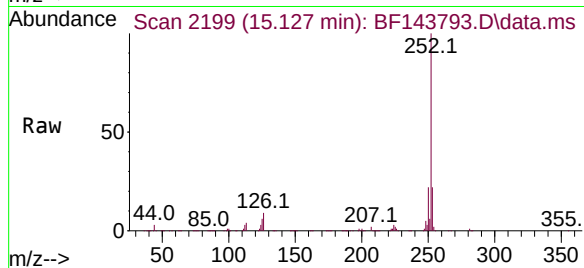
Tgt Ion:252 Resp: 292238

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

125 5.7 4.6 6.8



#90

Benzo(a)pyrene

Concen: 9.606 ng

RT: 15.468 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF143793.D

Acq: 23 Sep 2025 11:57

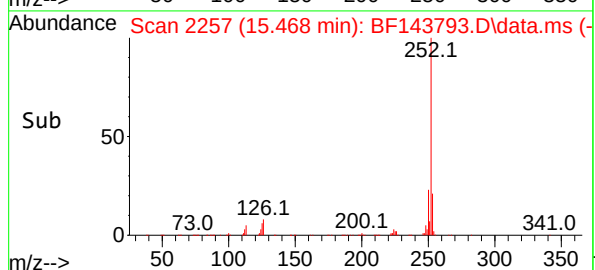
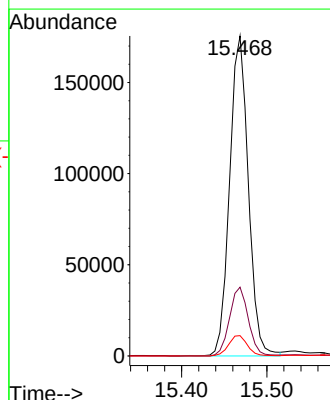
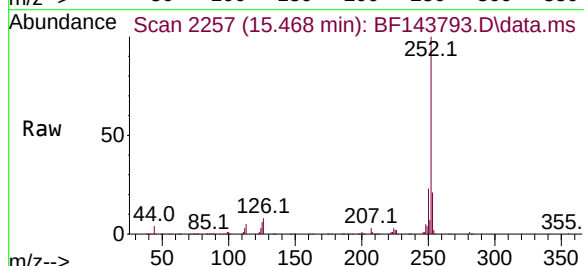
Tgt Ion:252 Resp: 267775

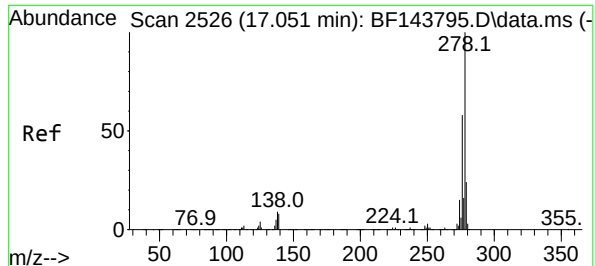
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 6.3 5.0 7.4

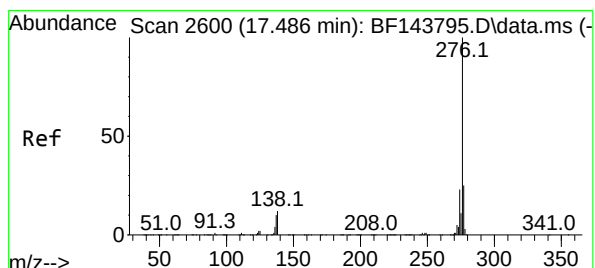
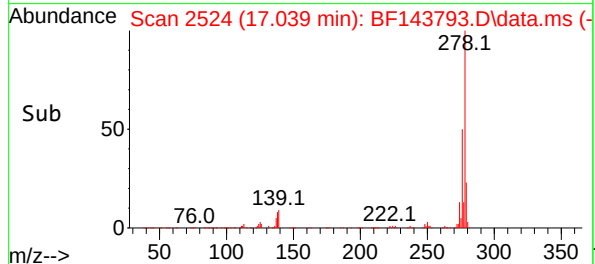
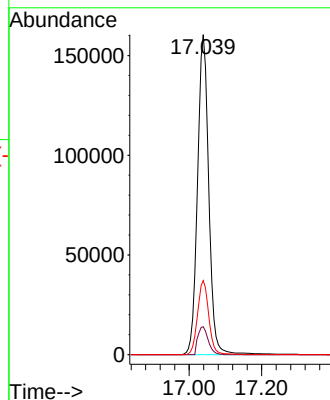
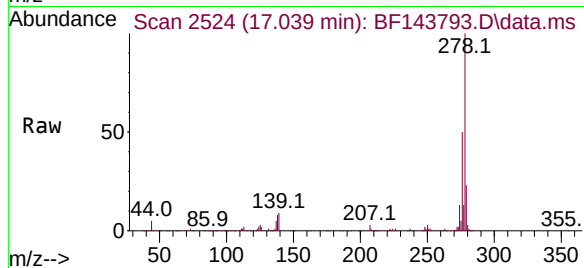




#91
Dibenzo(a,h)anthracene
Concen: 9.564 ng
RT: 17.039 min Scan# 2524
Delta R.T. -0.029 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

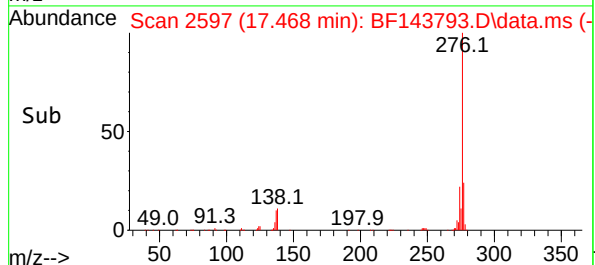
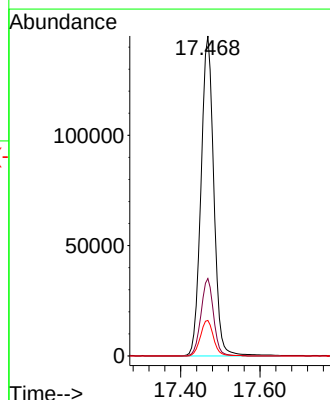
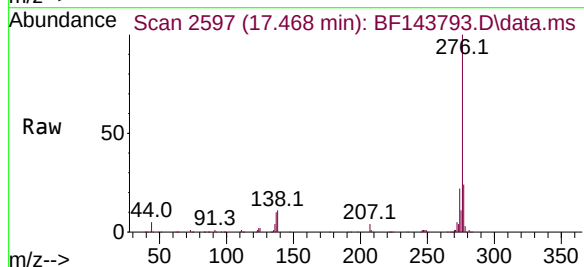
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 345636
Ion Ratio Lower Upper
278 100
139 8.7 6.7 10.1
279 23.2 19.3 28.9



#92
Benzo(g,h,i)perylene
Concen: 9.329 ng
RT: 17.468 min Scan# 2597
Delta R.T. -0.035 min
Lab File: BF143793.D
Acq: 23 Sep 2025 11:57

Tgt Ion:276 Resp: 324982
Ion Ratio Lower Upper
276 100
277 24.2 19.6 29.4
138 11.1 9.2 13.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143794.D
 Acq On : 23 Sep 2025 12:27
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 17:06:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	123560	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	446120	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	213356	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	331910	20.000	ng	0.00
76) Chrysene-d12	14.057	240	394143	20.000	ng	0.00
86) Perylene-d12	15.533	264	545751	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	327687	42.681	ng	-0.01
7) Phenol-d6	6.498	99	377986	41.720	ng	-0.01
23) Nitrobenzene-d5	7.445	82	302138	42.621	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	138317	45.426	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	622849	43.140	ng	0.00
79) Terphenyl-d14	12.998	244	798420	39.771	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	73941	20.313	ng	99
3) Pyridine	3.399	79	200605	20.416	ng	98
4) n-Nitrosodimethylamine	3.328	42	100296	20.357	ng	98
6) Aniline	6.545	93	266602	20.904	ng	99
8) 2-Chlorophenol	6.663	128	164198	21.090	ng	98
9) Benzaldehyde	6.434	77	117654	15.290	ng	99
10) Phenol	6.510	94	214576m	21.008	ng	
11) bis(2-Chloroethyl)ether	6.616	93	166393	20.783	ng	99
12) 1,3-Dichlorobenzene	6.828	146	192258	21.268	ng	99
13) 1,4-Dichlorobenzene	6.904	146	191454	21.223	ng	100
14) 1,2-Dichlorobenzene	7.057	146	181008	21.185	ng	99
15) Benzyl Alcohol	7.016	79	132713	20.902	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	398403	20.985	ng	100
17) 2-Methylphenol	7.128	107	124617	20.674	ng	99
18) Hexachloroethane	7.398	117	67048	21.134	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	114449	20.254	ng	100
20) 3+4-Methylphenols	7.281	107	155211	21.145	ng	# 86
22) Acetophenone	7.293	105	208896	21.319	ng	97
24) Nitrobenzene	7.463	77	164815	20.402	ng	97
25) Isophorone	7.698	82	289674	20.396	ng	99
26) 2-Nitrophenol	7.781	139	55948	18.629	ng	97
27) 2,4-Dimethylphenol	7.810	122	129731	20.437	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	191947	20.802	ng	100
29) 2,4-Dichlorophenol	8.016	162	128651	20.597	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	135810	20.952	ng	99
31) Naphthalene	8.187	128	455060	21.308	ng	100
32) Benzoic acid	7.875	122	40592	13.254	ng	97
33) 4-Chloroaniline	8.234	127	157439	20.978	ng	99
34) Hexachlorobutadiene	8.310	225	99520	20.595	ng	99
35) Caprolactam	8.575	113	30948	19.385	ng	95
36) 4-Chloro-3-methylphenol	8.704	107	121067	20.667	ng	97
37) 2-Methylnaphthalene	8.881	142	286790	21.060	ng	98
38) 1-Methylnaphthalene	8.981	142	272276	20.889	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	135689	21.074	ng	99
41) Hexachlorocyclopentadiene	9.034	237	79092	19.382	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	82341	20.423	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143794.D
 Acq On : 23 Sep 2025 12:27
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 17:06:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	89458	21.213	ng	97
46) 1,1'-Biphenyl	9.345	154	333743	21.610	ng	98
47) 2-Chloronaphthalene	9.369	162	265169	21.330	ng	99
48) 2-Nitroaniline	9.457	65	75737	20.157	ng	95
49) Acenaphthylene	9.781	152	362739	21.195	ng	99
50) Dimethylphthalate	9.634	163	267211	20.548	ng	99
51) 2,6-Dinitrotoluene	9.698	165	42291	19.794	ng	93
52) Acenaphthene	9.957	154	239533	21.268	ng	99
53) 3-Nitroaniline	9.869	138	52183	20.150	ng	96
54) 2,4-Dinitrophenol	9.969	184	8519	16.759	ng	# 1
55) Dibenzofuran	10.128	168	339308	21.305	ng	99
56) 4-Nitrophenol	10.016	139	36150	17.322	ng	98
57) 2,4-Dinitrotoluene	10.098	165	54137	18.952	ng	93
58) Fluorene	10.469	166	253897	21.445	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	74485	20.618	ng	# 98
60) Diethylphthalate	10.339	149	250459	20.575	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	128143	21.242	ng	99
62) 4-Nitroaniline	10.475	138	48558	19.941	ng	98
63) Azobenzene	10.622	77	265823	20.720	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	15499	17.632	ng	94
66) n-Nitrosodiphenylamine	10.581	169	228456	20.930	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	115749	20.464	ng	99
68) Hexachlorobenzene	11.022	284	162113	20.797	ng	98
69) Atrazine	11.104	200	65580	20.747	ng	98
70) Pentachlorophenol	11.210	266	71585	18.449	ng	99
71) Phenanthrene	11.433	178	355364	20.854	ng	100
72) Anthracene	11.486	178	361245	21.135	ng	99
73) Carbazole	11.639	167	314908	21.072	ng	99
74) Di-n-butylphthalate	11.975	149	356883	20.764	ng	99
75) Fluoranthene	12.627	202	364772	21.284	ng	99
77) Benzidine	12.745	184	174994	18.220	ng	100
78) Pyrene	12.857	202	390517	20.153	ng	99
80) Butylbenzylphthalate	13.474	149	131846	19.666	ng	99
81) Benzo(a)anthracene	14.045	228	426715	20.153	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	183227	19.974	ng	100
83) Chrysene	14.080	228	392431	20.482	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	202632	20.620	ng	99
85) Di-n-octyl phthalate	14.651	149	345757	19.397	ng	100
87) Indeno(1,2,3-cd)pyrene	17.021	276	862284	20.824	ng	100
88) Benzo(b)fluoranthene	15.098	252	561825	20.215	ng	99
89) Benzo(k)fluoranthene	15.127	252	589201	21.102	ng	99
90) Benzo(a)pyrene	15.468	252	539579	20.654	ng	100
91) Dibenzo(a,h)anthracene	17.045	278	710542	20.980	ng	99
92) Benzo(g,h,i)perylene	17.474	276	673228	20.621	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143794.D
 Acq On : 23 Sep 2025 12:27
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

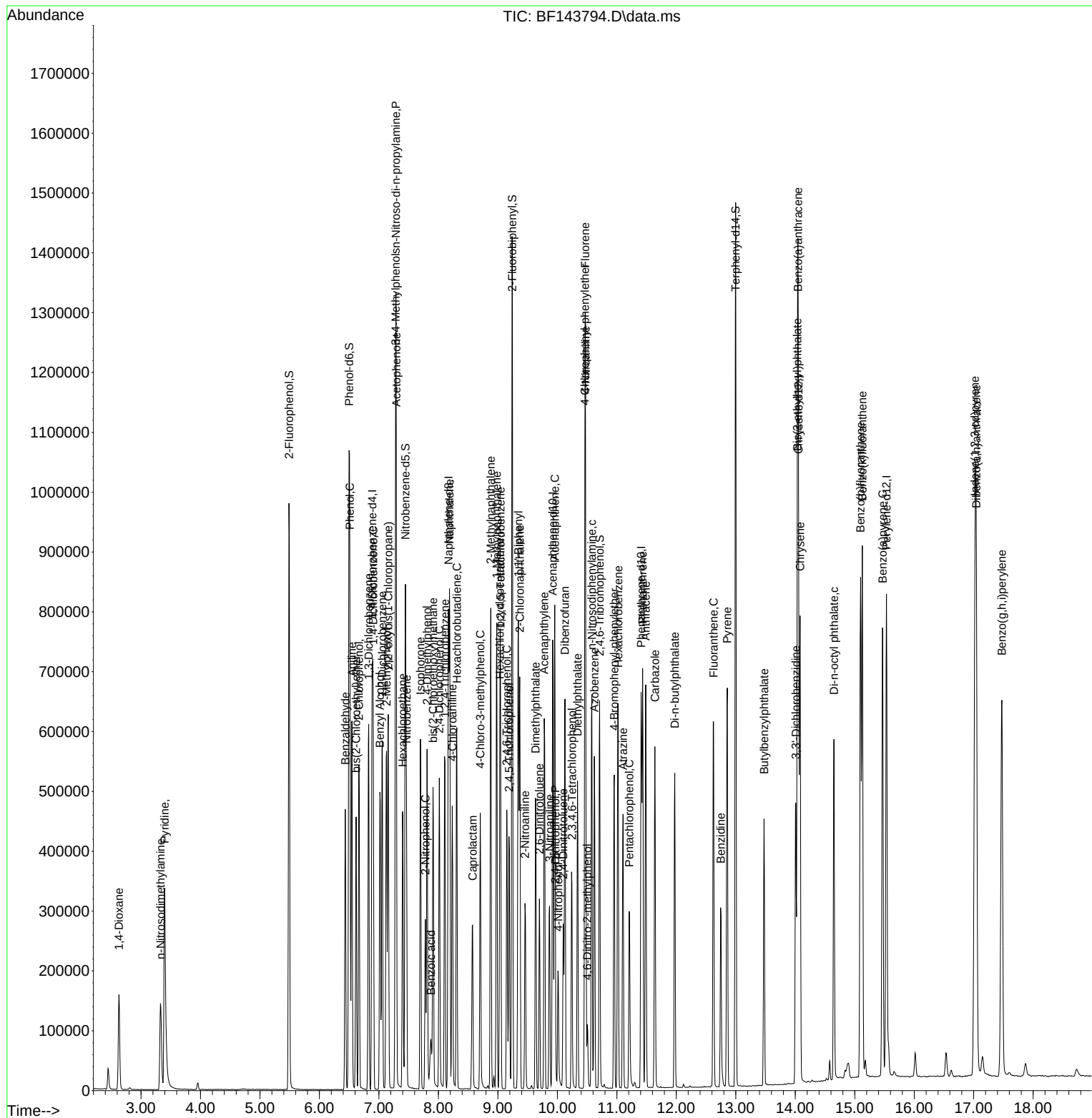
Manual Integrations

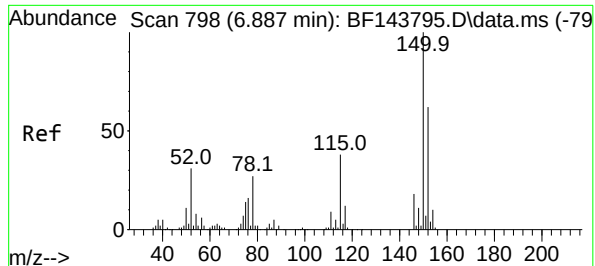
APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025

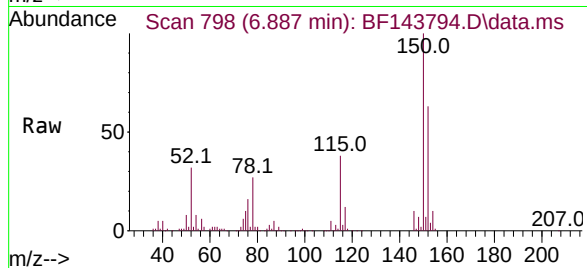
Quant Time: Sep 23 17:06:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

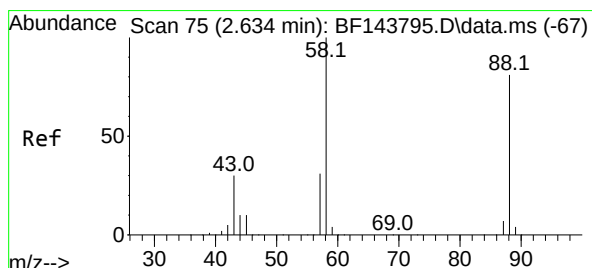
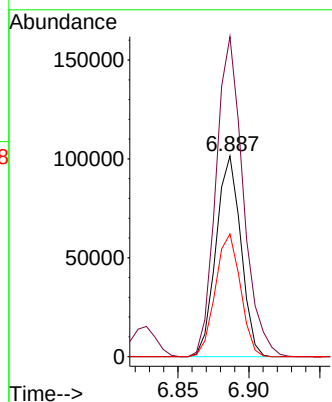
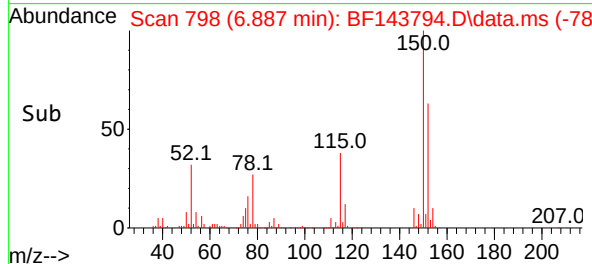
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 123560
Ion Ratio Lower Upper
152 100
150 159.6 129.6 194.4
115 61.2 49.0 73.4

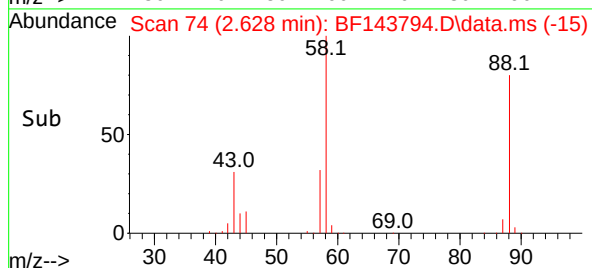
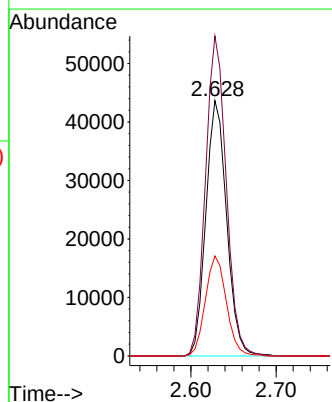
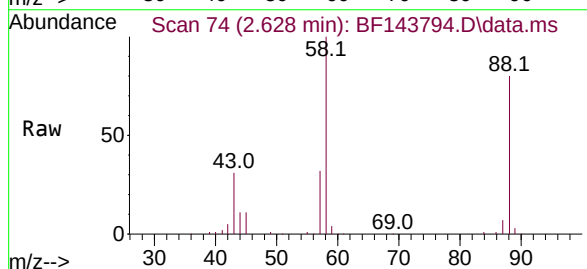
Manual Integrations
APPROVED

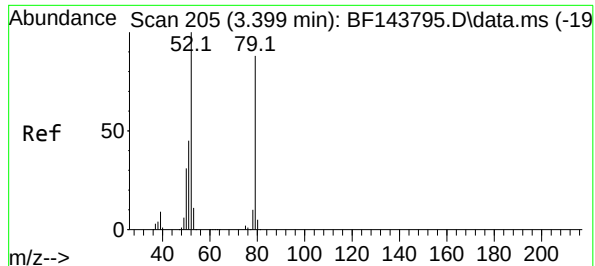
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#2
1,4-Dioxane
Concen: 20.313 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion: 88 Resp: 73941
Ion Ratio Lower Upper
88 100
58 124.8 99.4 149.2
43 39.5 30.6 45.8





#3

Pyridine

Concen: 20.416 ng

RT: 3.399 min Scan# 205

Delta R.T. 0.000 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 200605

Ion Ratio Lower Upper

79 100

52 110.6 90.5 135.7

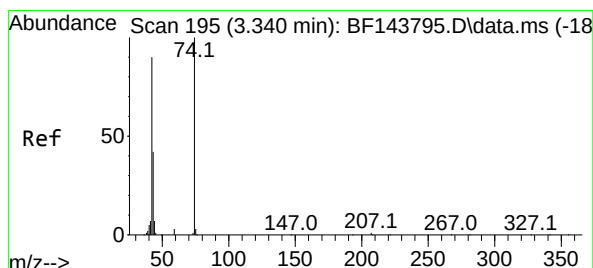
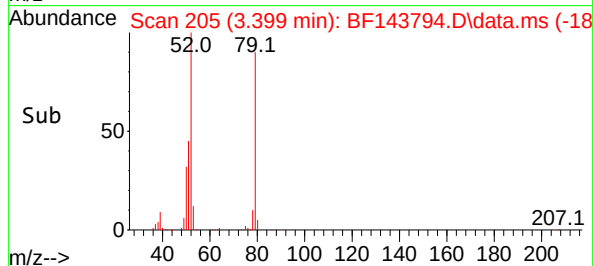
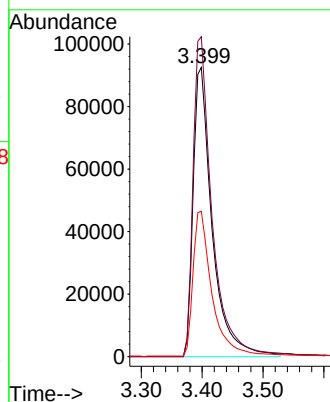
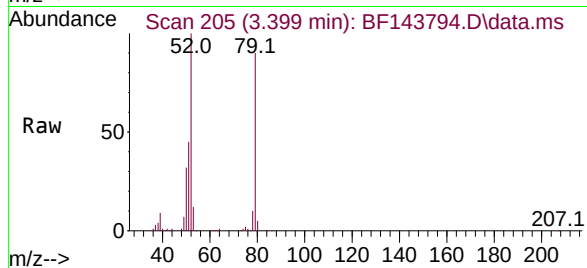
51 50.3 40.6 61.0

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#4

n-Nitrosodimethylamine

Concen: 20.357 ng

RT: 3.328 min Scan# 193

Delta R.T. -0.029 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

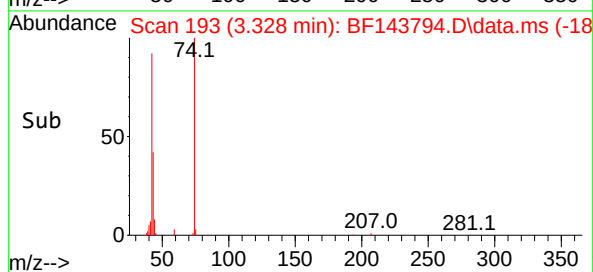
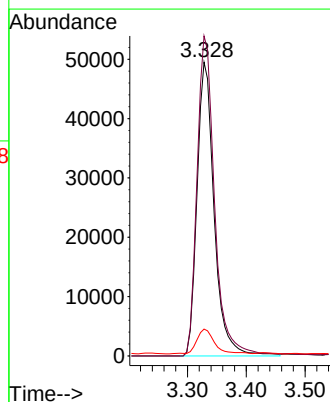
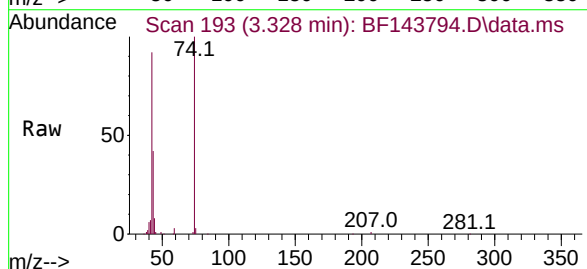
Tgt Ion: 42 Resp: 100296

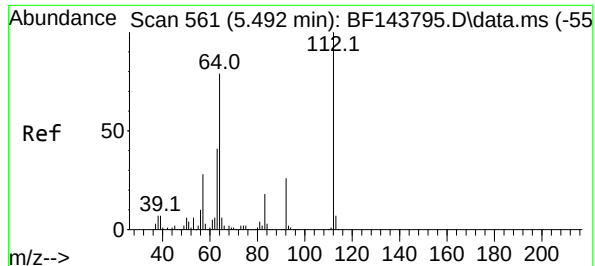
Ion Ratio Lower Upper

42 100

74 108.9 89.1 133.7

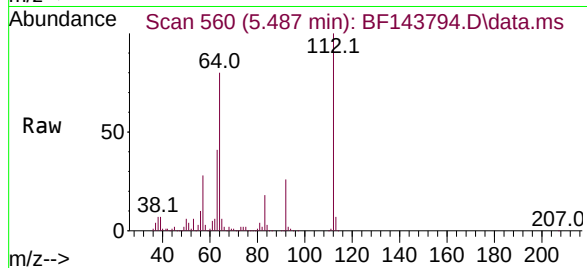
44 9.1 6.4 9.6





#5
2-Fluorophenol
Concen: 42.681 ng
RT: 5.487 min Scan# 561
Delta R.T. -0.012 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

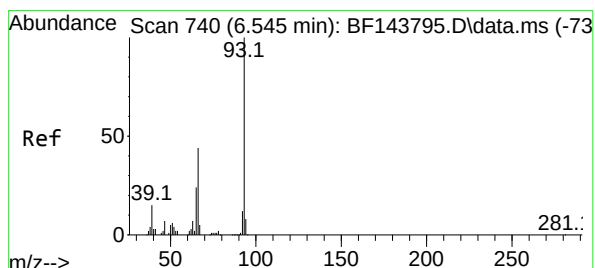
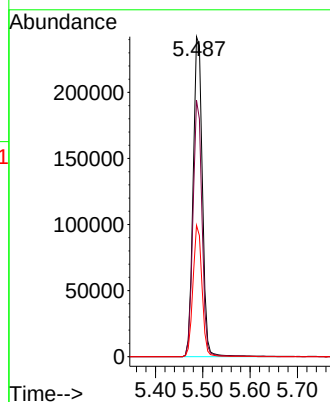
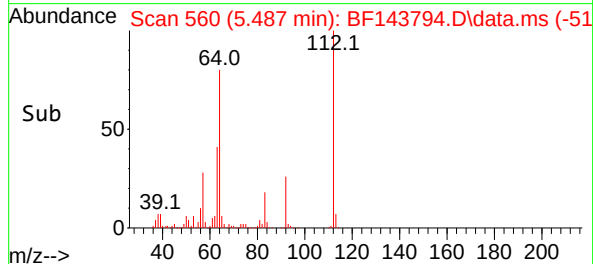
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:112 Resp: 32768
Ion Ratio Lower Upper
112 100
64 80.1 63.0 94.4
63 41.0 32.6 49.0

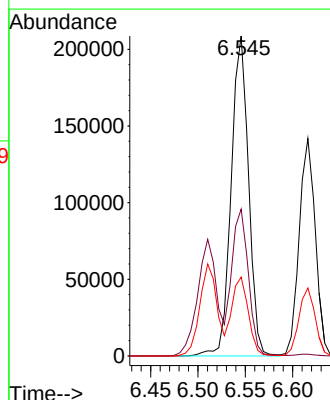
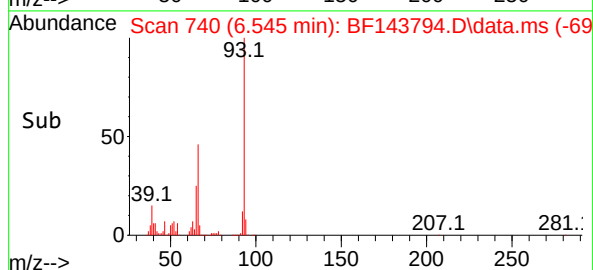
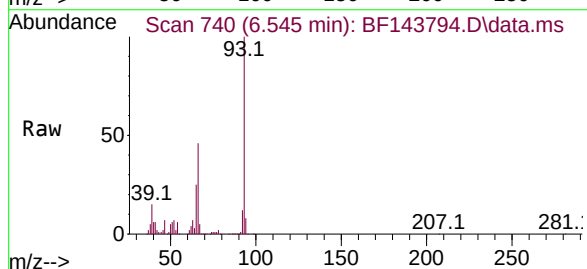
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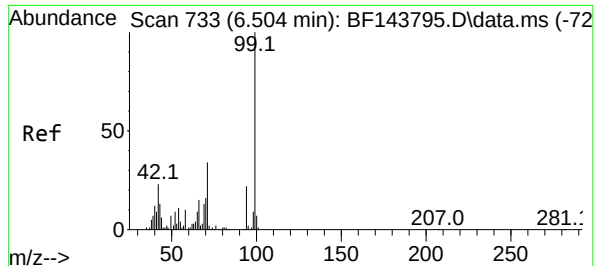
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#6
Aniline
Concen: 20.904 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion: 93 Resp: 266602
Ion Ratio Lower Upper
93 100
66 45.9 37.1 55.7
65 24.6 19.4 29.0





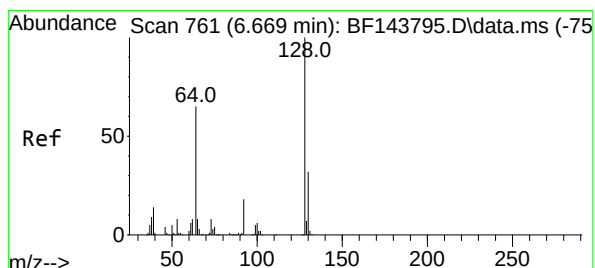
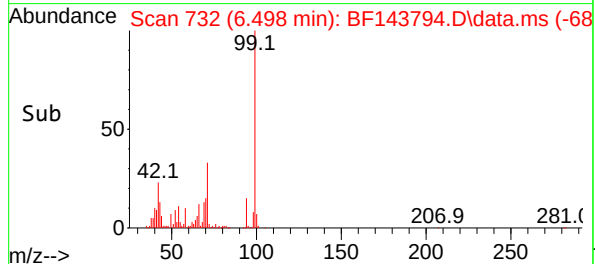
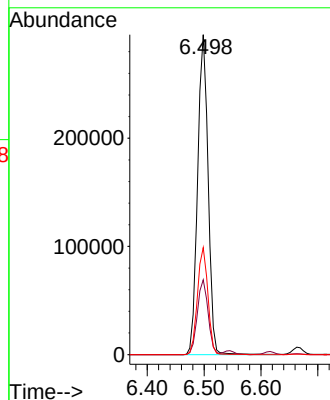
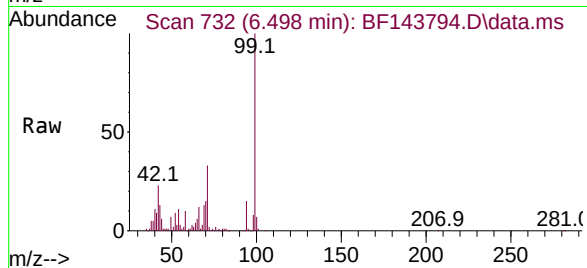
#7
Phenol-d6
Concen: 41.720 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 377986
Ion Ratio Lower Upper
99 100
42 23.4 18.6 28.0
71 33.4 27.0 40.4

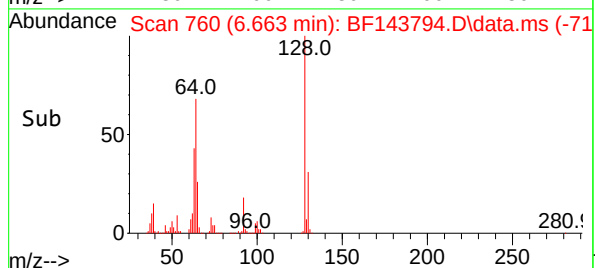
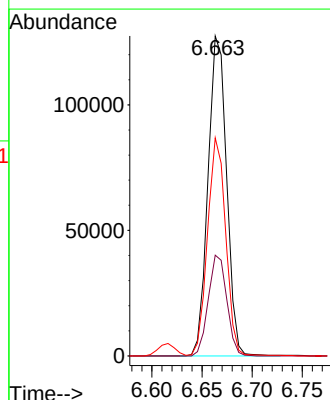
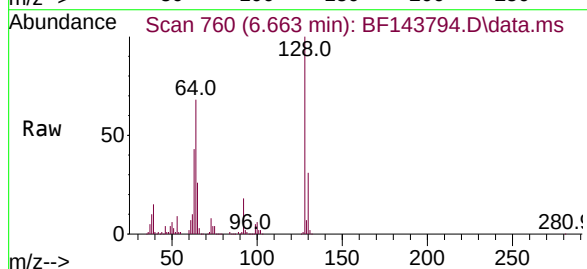
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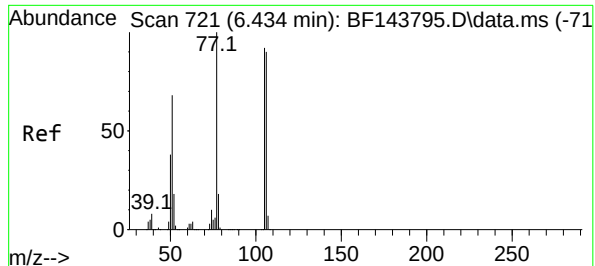
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#8
2-Chlorophenol
Concen: 21.090 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion:128 Resp: 164198
Ion Ratio Lower Upper
128 100
130 31.5 12.2 52.2
64 68.1 46.5 86.5





#9

Benzaldehyde

Concen: 15.290 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF143794.D

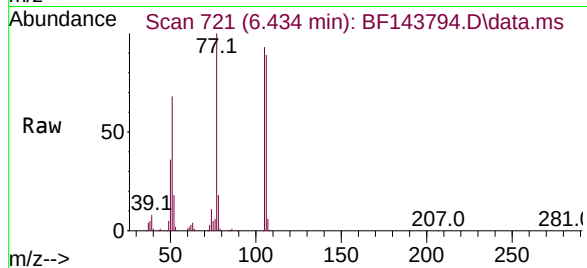
Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



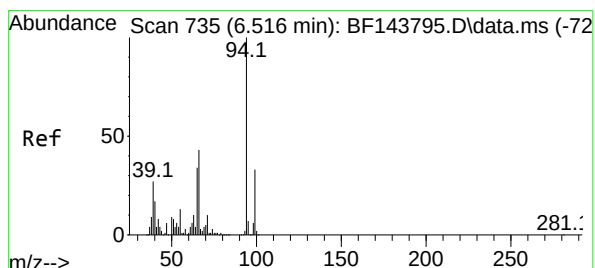
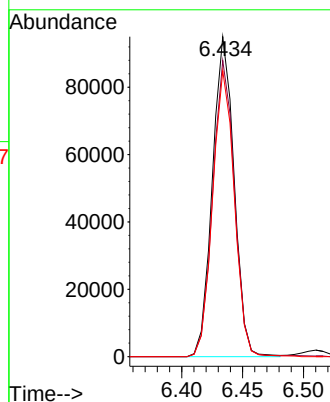
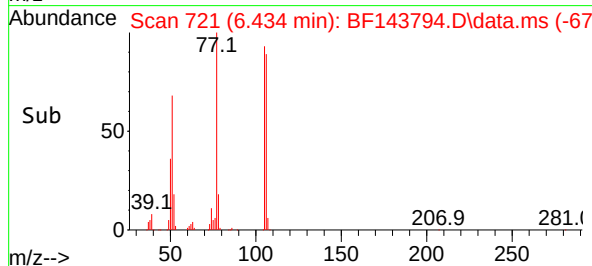
Tgt Ion:	77	Resp:	117654
Ion Ratio	Lower	Upper	
77	100		
105	92.5	71.8	111.8
106	89.3	69.8	109.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#10

Phenol

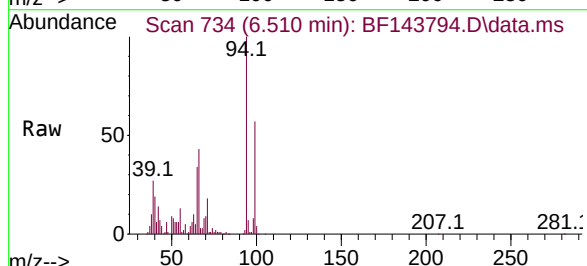
Concen: 21.008 ng m

RT: 6.510 min Scan# 734

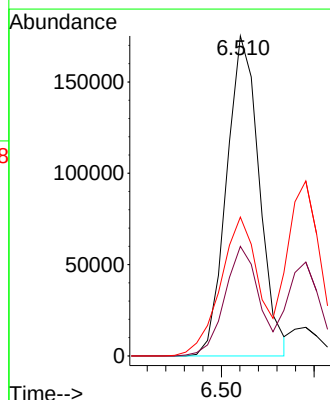
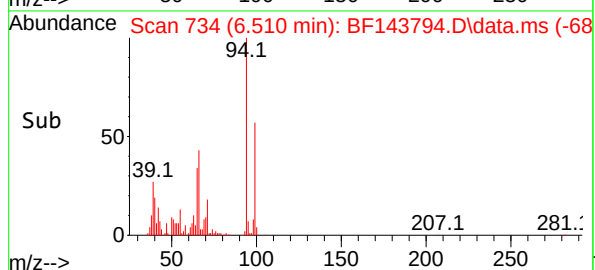
Delta R.T. -0.018 min

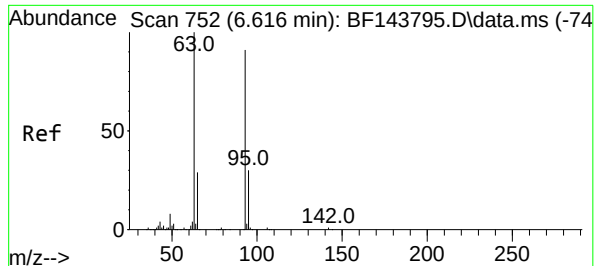
Lab File: BF143794.D

Acq: 23 Sep 2025 12:27



Tgt Ion:	94	Resp:	214576
Ion Ratio	Lower	Upper	
94	100		
65	34.2	14.2	54.2
66	43.4	24.1	64.1





#11

bis(2-Chloroethyl)ether

Concen: 20.783 ng

RT: 6.616 min Scan# 752

Delta R.T. -0.006 min

Lab File: BF143794.D

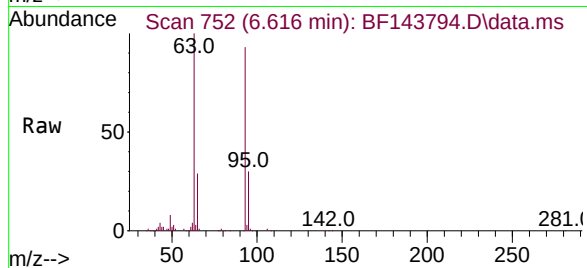
Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion: 93 Resp: 166393

Ion Ratio Lower Upper

93 100

63 108.0 89.2 129.2

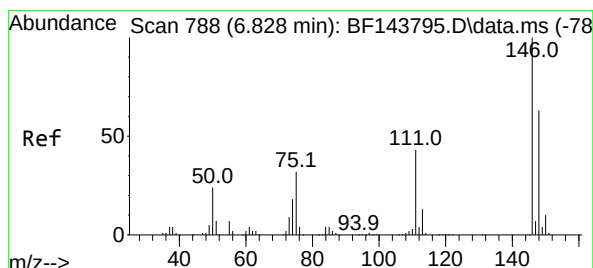
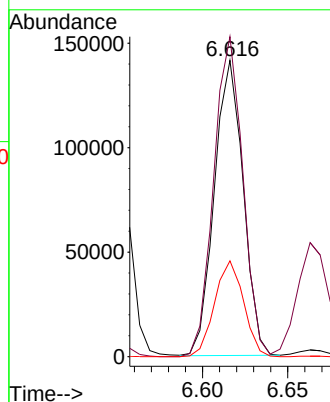
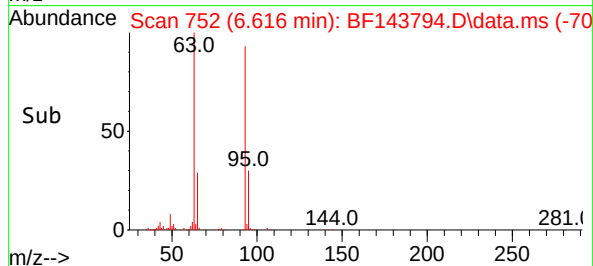
95 32.3 12.9 52.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#12

1,3-Dichlorobenzene

Concen: 21.268 ng

RT: 6.828 min Scan# 788

Delta R.T. 0.000 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

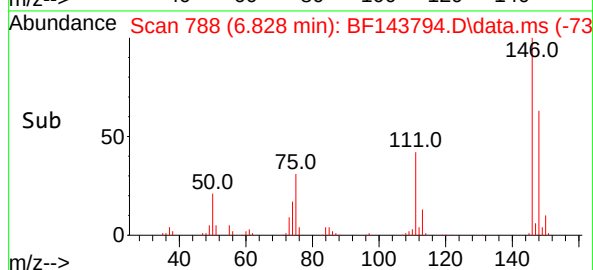
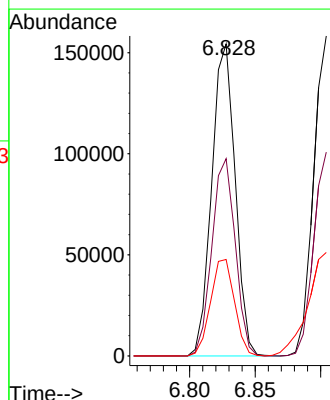
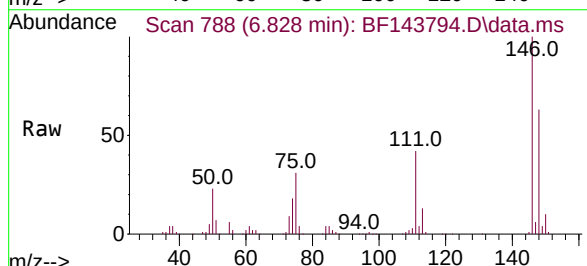
Tgt Ion:146 Resp: 192258

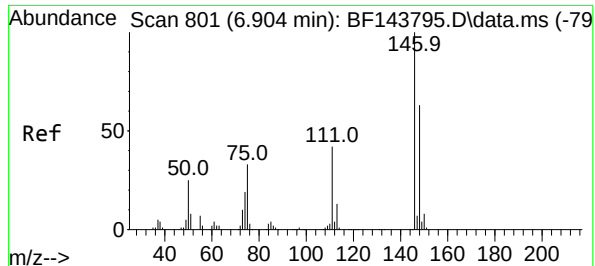
Ion Ratio Lower Upper

146 100

148 63.2 50.4 75.6

75 30.9 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 21.223 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 191454

Ion Ratio Lower Upper

146 100

148 63.7 50.7 76.1

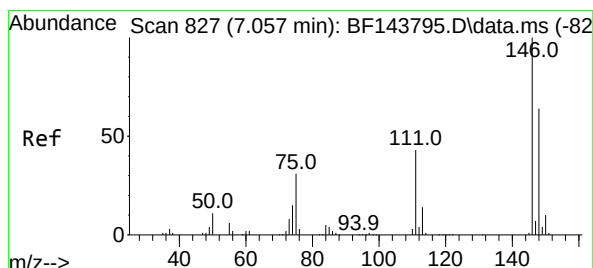
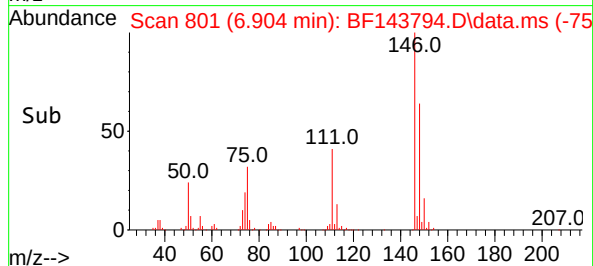
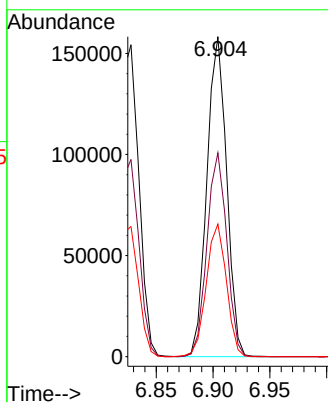
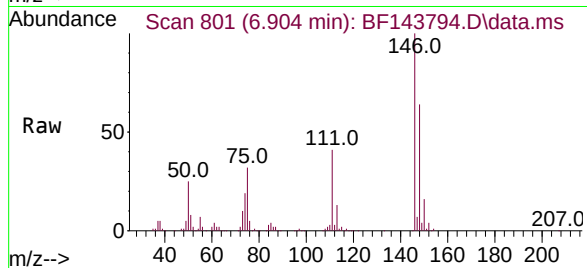
111 41.4 33.4 50.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#14

1,2-Dichlorobenzene

Concen: 21.185 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

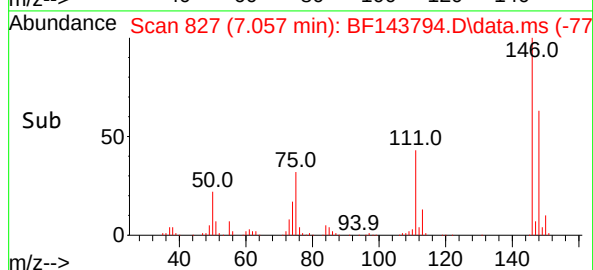
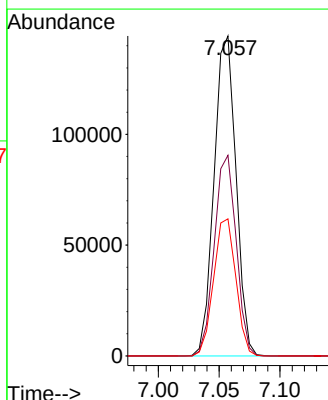
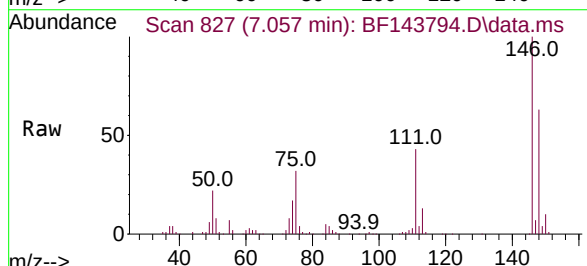
Tgt Ion:146 Resp: 181008

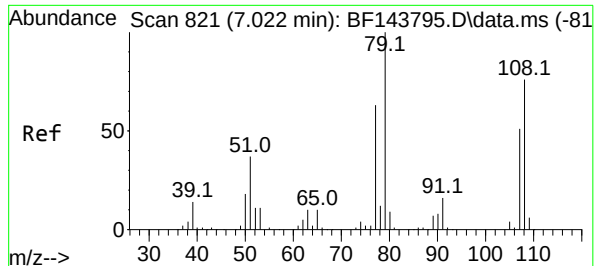
Ion Ratio Lower Upper

146 100

148 62.7 51.1 76.7

111 42.9 34.3 51.5





#15

Benzyl Alcohol

Concen: 20.902 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 132713

Ion Ratio Lower Upper

79 100

108 74.3 60.5 90.7

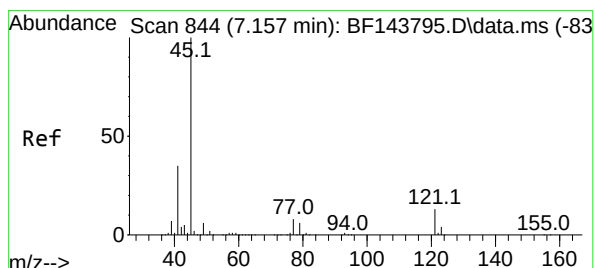
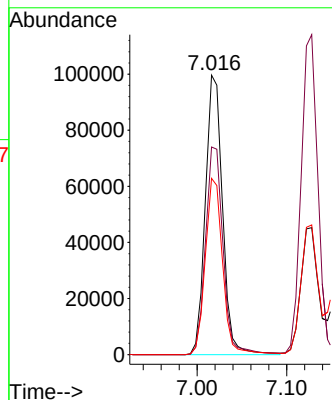
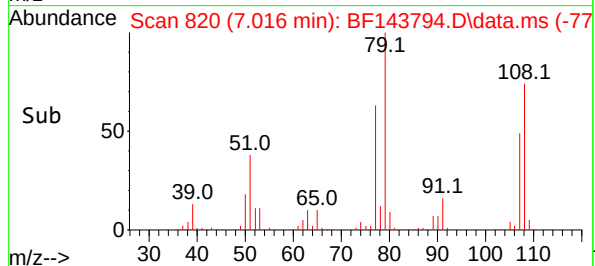
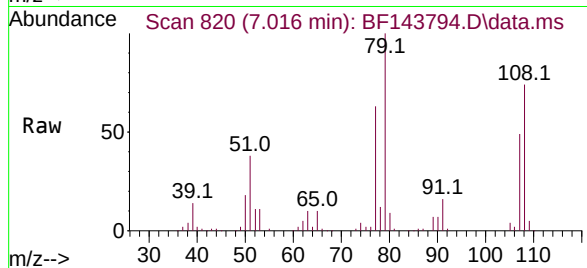
77 63.1 50.3 75.5

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.985 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

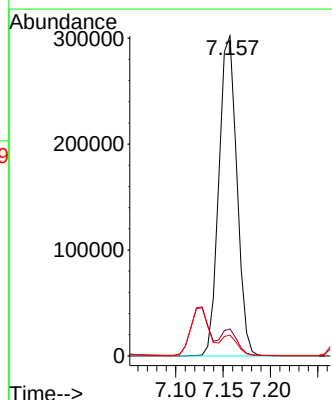
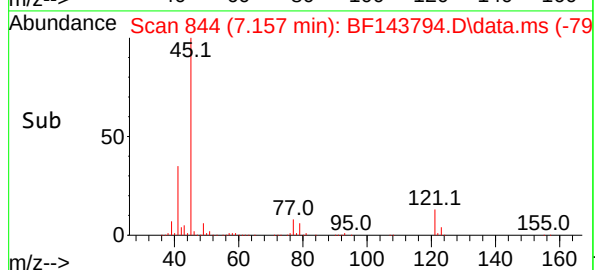
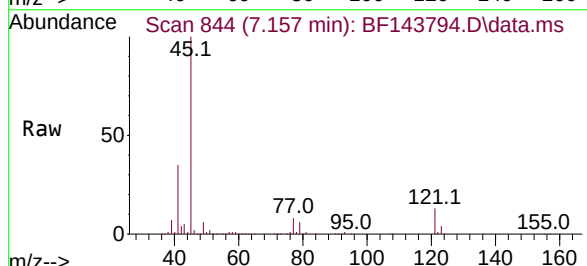
Tgt Ion: 45 Resp: 398403

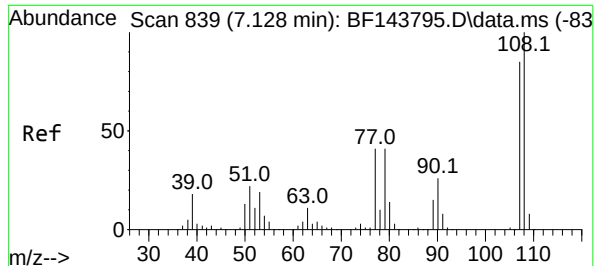
Ion Ratio Lower Upper

45 100

77 8.4 0.0 28.5

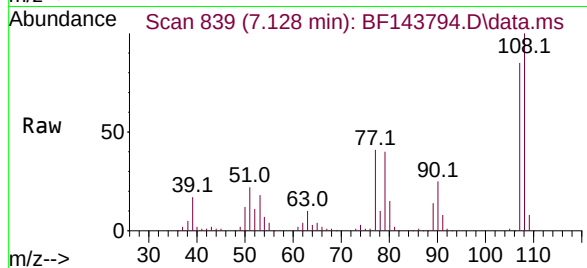
79 6.5 0.0 26.3





#17
2-Methylphenol
Concen: 20.674 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

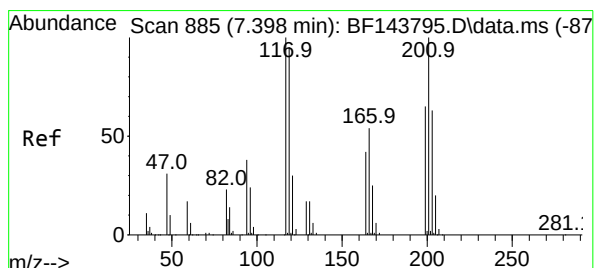
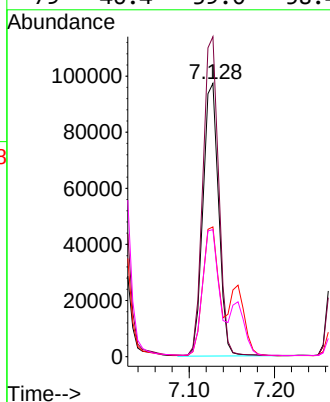
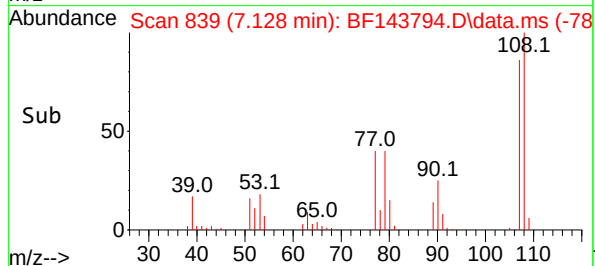
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



Tgt Ion:107 Resp: 124617
Ion Ratio Lower Upper
107 100
108 117.1 94.2 141.4
77 47.4 38.6 58.0
79 46.4 39.0 58.4

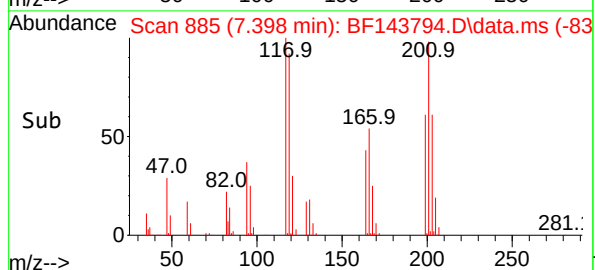
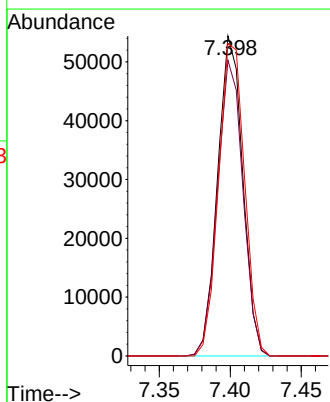
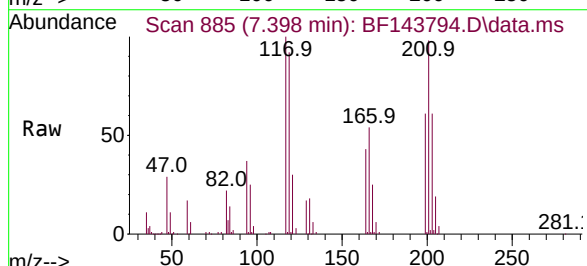
Manual Integrations
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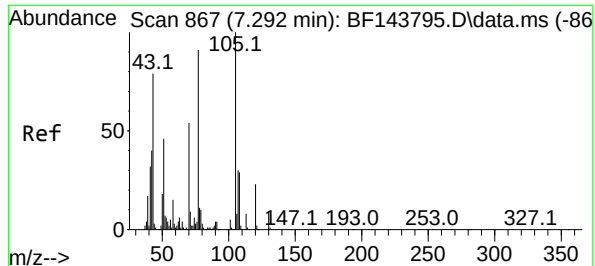
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#18
Hexachloroethane
Concen: 21.134 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion:117 Resp: 67048
Ion Ratio Lower Upper
117 100
119 92.4 76.2 114.2
201 97.6 79.7 119.5





#19

n-Nitroso-di-n-propylamine

Concen: 20.254 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.018 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 114449

Ion Ratio Lower Upper

70 100

42 74.5 59.4 89.0

101 9.0 7.1 10.7

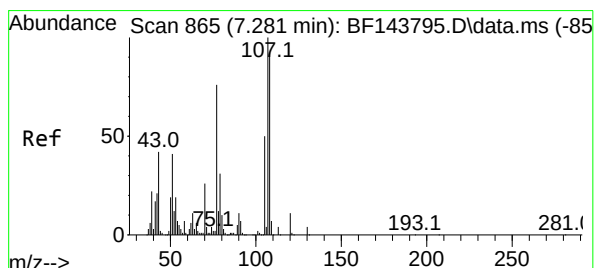
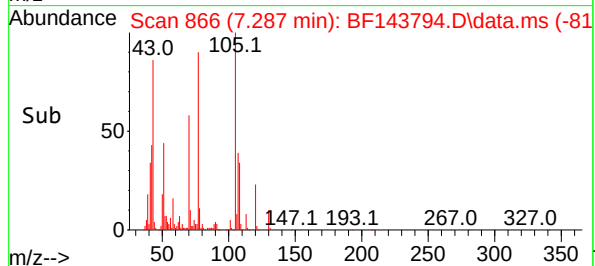
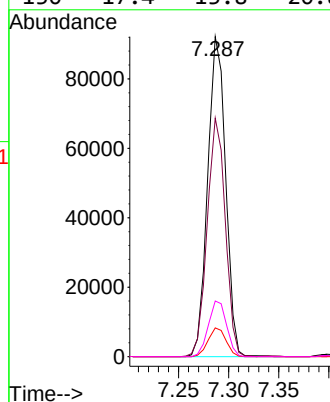
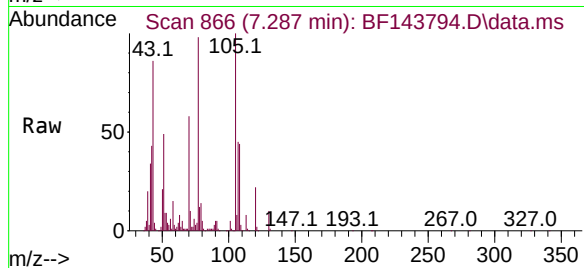
130 17.4 13.8 20.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#20

3+4-Methylphenols

Concen: 21.145 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Tgt Ion:107 Resp: 155211

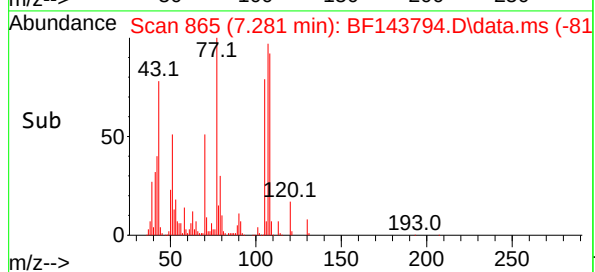
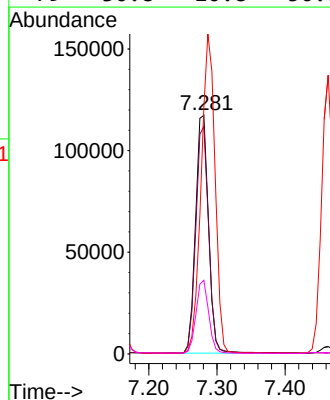
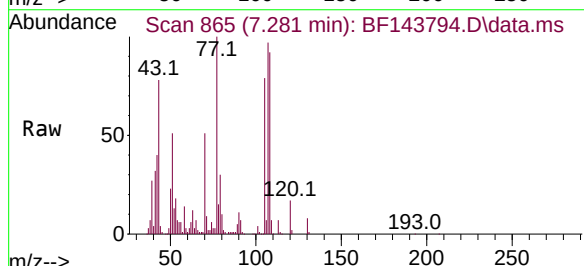
Ion Ratio Lower Upper

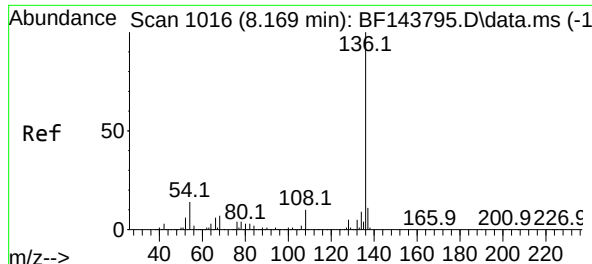
107 100

108 95.5 72.5 112.5

77 103.4 56.2 96.2#

79 30.8 10.8 50.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 446120

Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 13.7 11.2 16.8

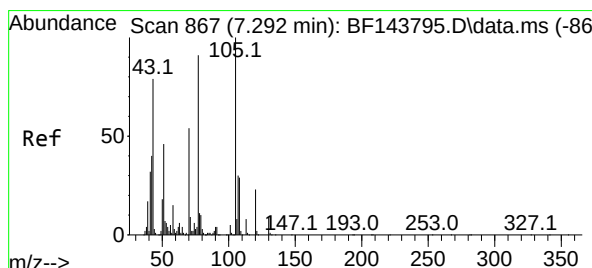
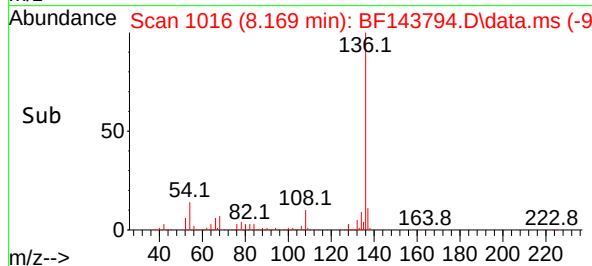
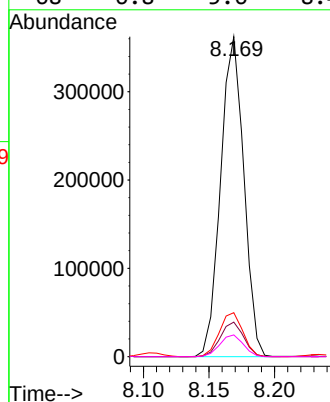
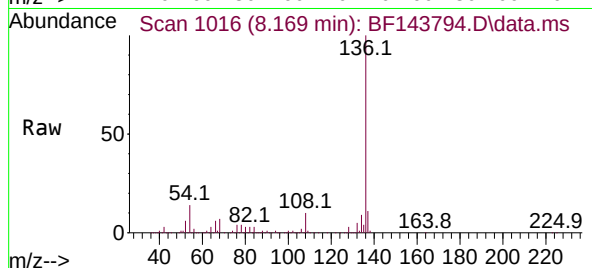
68 6.8 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#22

Acetophenone

Concen: 21.319 ng

RT: 7.293 min Scan# 867

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Tgt Ion:105 Resp: 208896

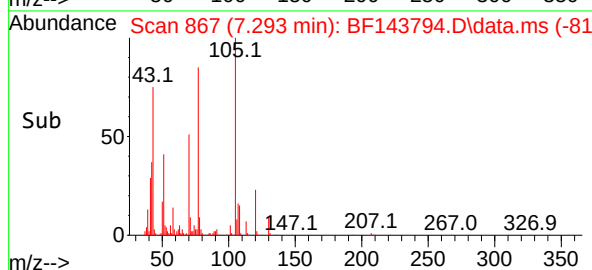
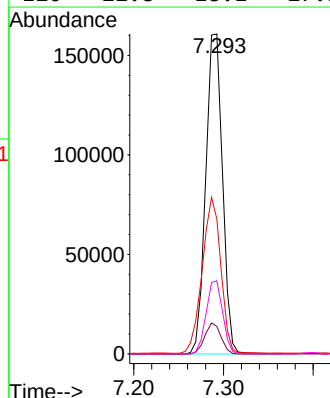
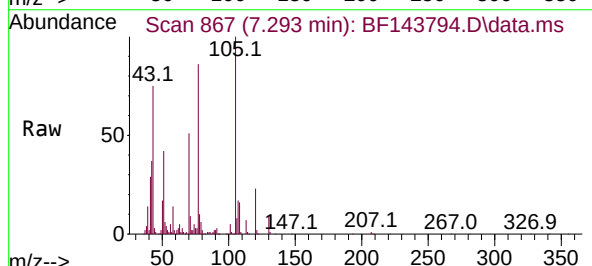
Ion Ratio Lower Upper

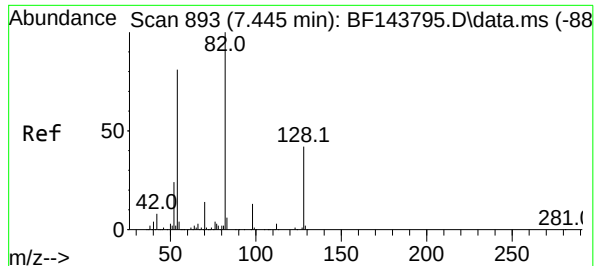
105 100

71 8.6 7.0 10.4

51 42.2 36.6 55.0

120 22.8 18.1 27.1





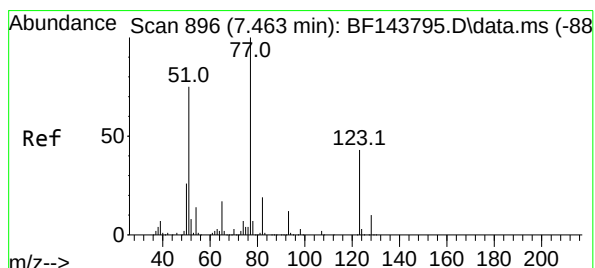
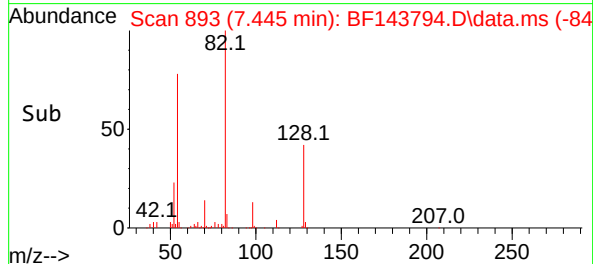
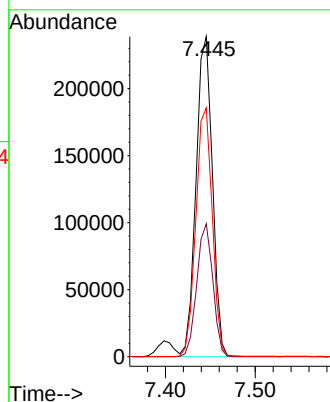
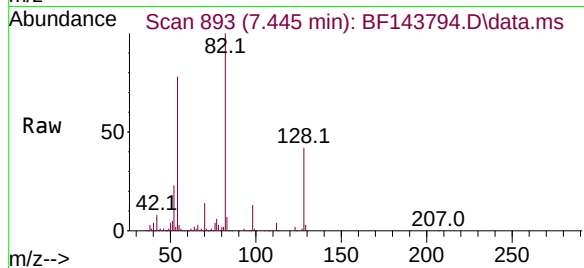
#23
Nitrobenzene-d5
Concen: 42.621 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 302138
Ion Ratio Lower Upper
82 100
128 41.5 33.3 49.9
54 77.7 64.2 96.4

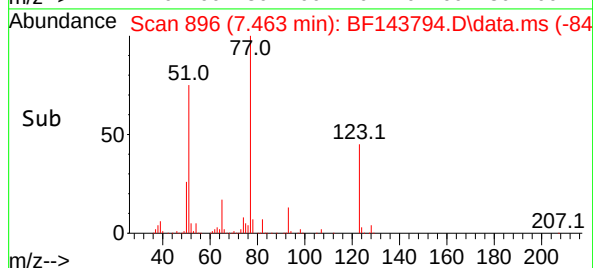
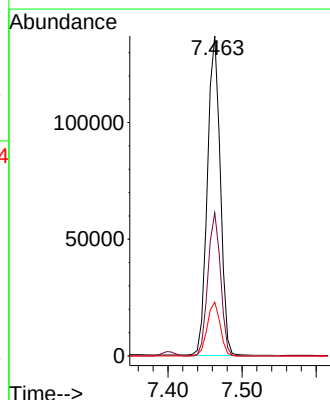
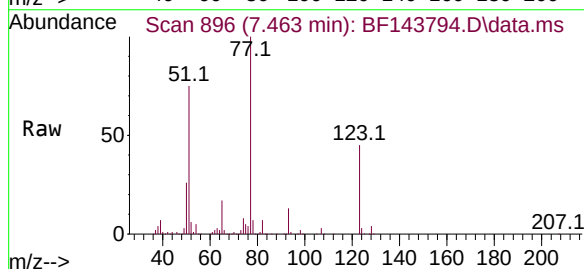
Manual Integrations
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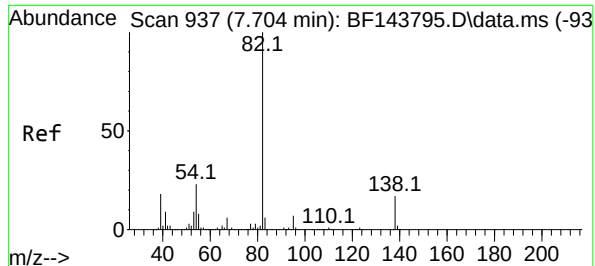
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#24
Nitrobenzene
Concen: 20.402 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

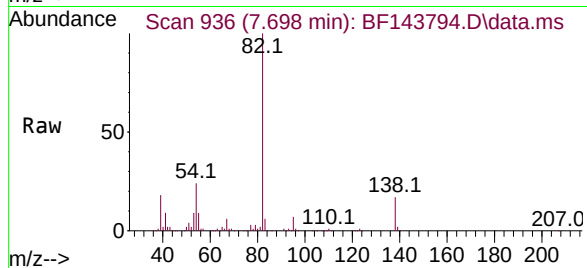
Tgt Ion: 77 Resp: 164815
Ion Ratio Lower Upper
77 100
123 44.7 34.0 51.0
65 16.8 13.5 20.3





#25
Isophorone
Concen: 20.396 ng
RT: 7.698 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

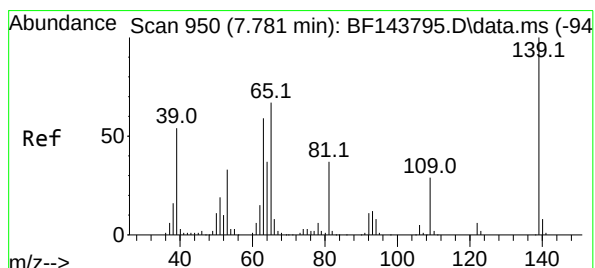
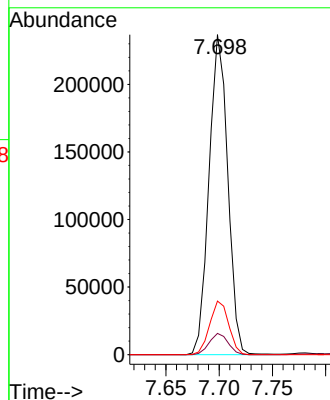
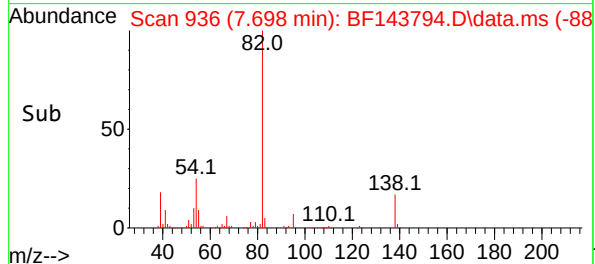
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 82 Resp: 289674
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.2
138 16.7 13.7 20.5

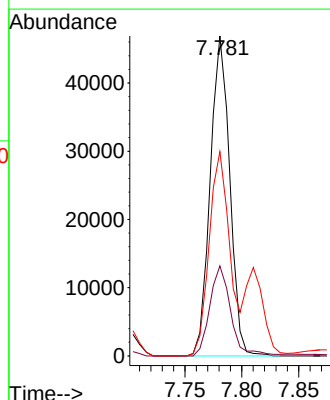
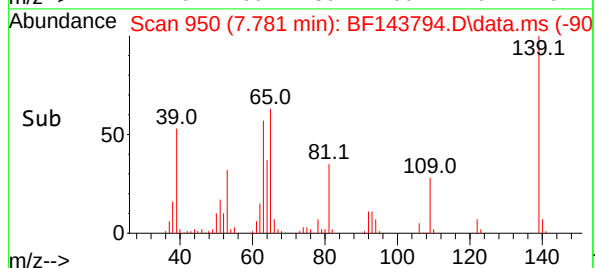
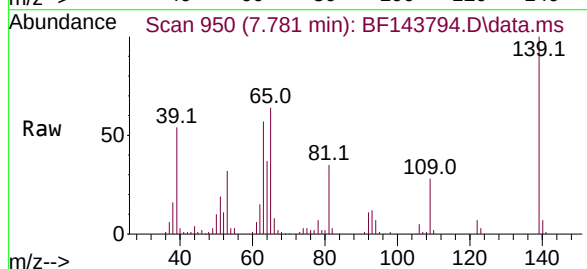
Manual Integrations
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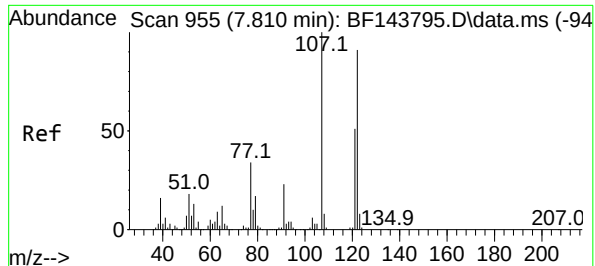
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#26
2-Nitrophenol
Concen: 18.629 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.005 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion:139 Resp: 55948
Ion Ratio Lower Upper
139 100
109 28.1 23.3 34.9
65 63.8 53.8 80.6





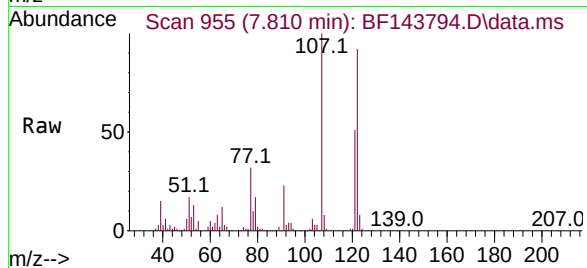
#27
2,4-Dimethylphenol
Concen: 20.437 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

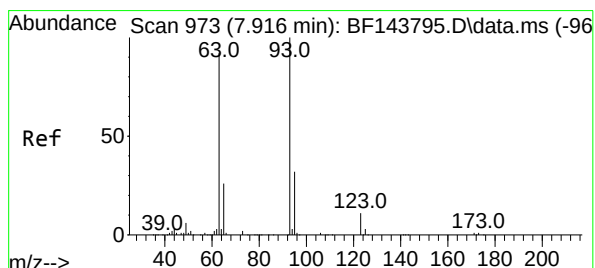
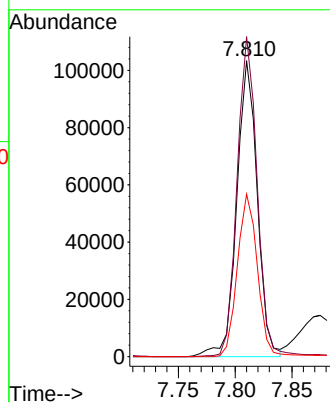
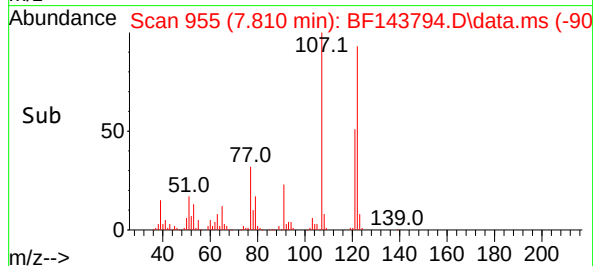


Tgt Ion:122 Resp: 129731
Ion Ratio Lower Upper
122 100
107 108.1 87.5 131.3
121 54.9 44.2 66.4

Manual Integrations

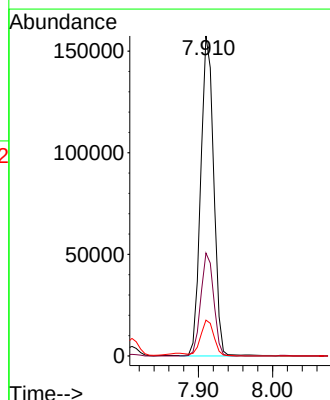
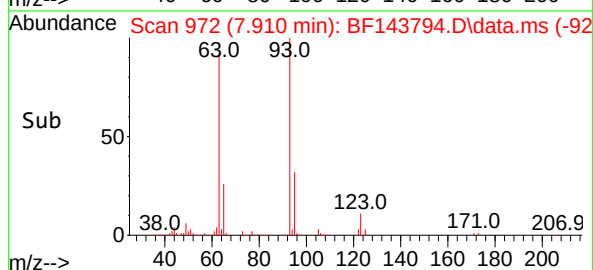
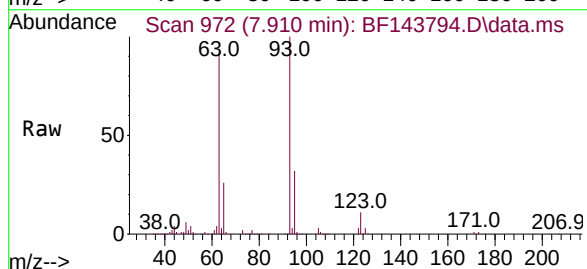
APPROVED

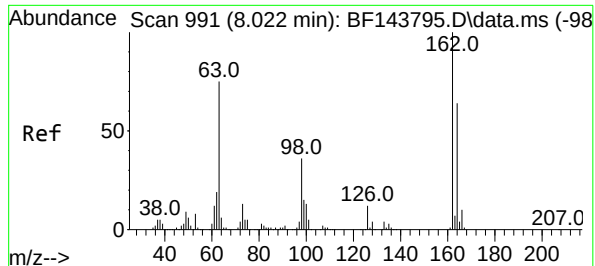
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#28
bis(2-Chloroethoxy)methane
Concen: 20.802 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion: 93 Resp: 191947
Ion Ratio Lower Upper
93 100
95 32.1 25.8 38.8
123 11.2 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 20.597 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 12865

Ion Ratio Lower Upper

162 100

164 63.5 44.1 84.1

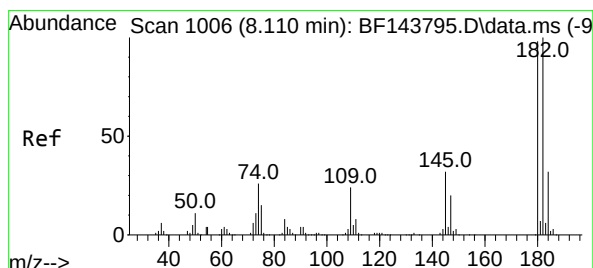
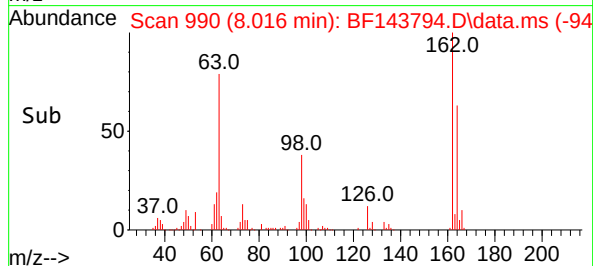
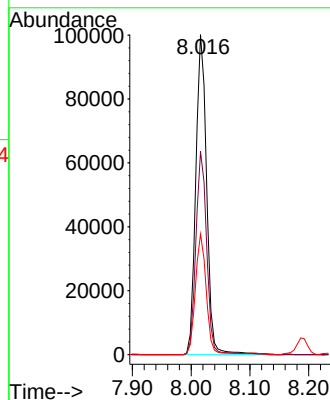
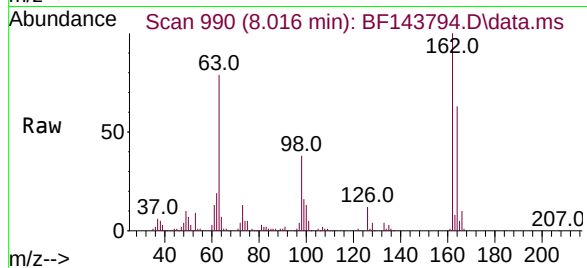
98 37.7 15.8 55.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#30

1,2,4-Trichlorobenzene

Concen: 20.952 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

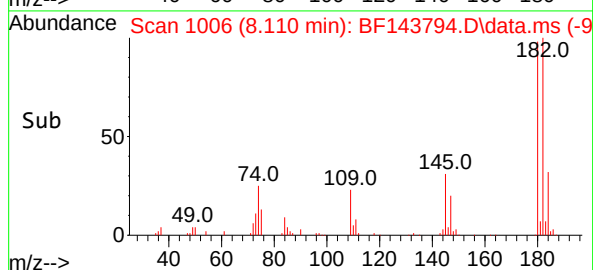
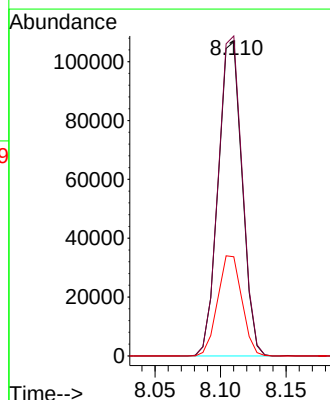
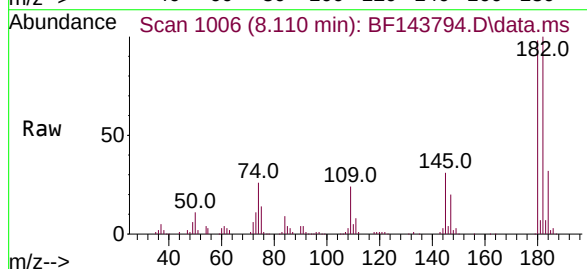
Tgt Ion:180 Resp: 135810

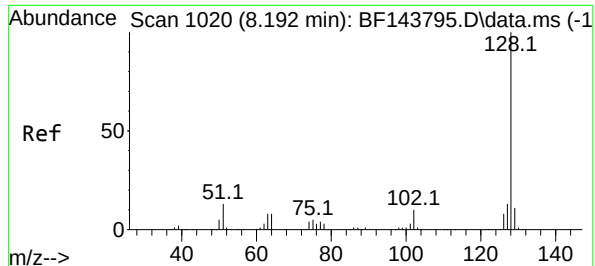
Ion Ratio Lower Upper

180 100

182 101.9 82.0 123.0

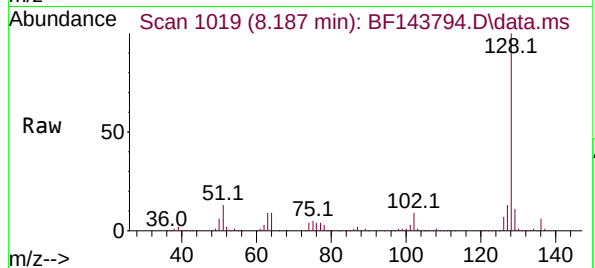
145 31.6 25.9 38.9





#31
Naphthalene
Concen: 21.308 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

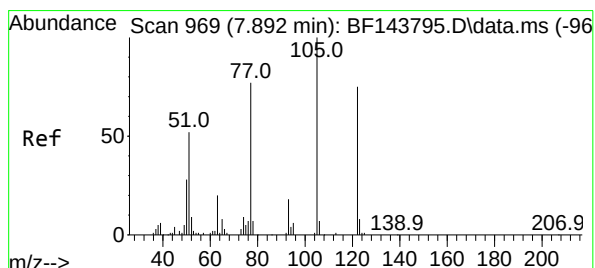
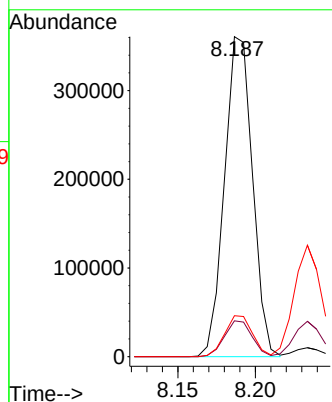
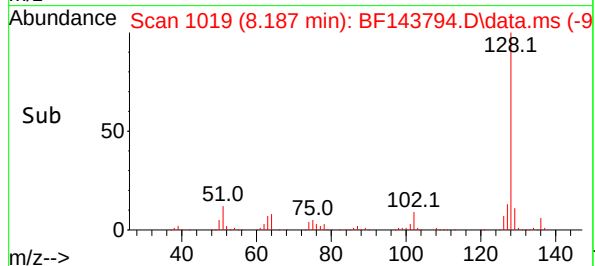
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:128 Resp: 455060
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.8 10.2 15.4

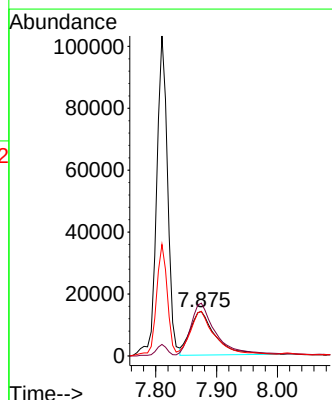
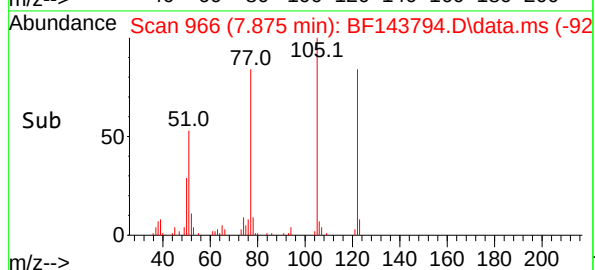
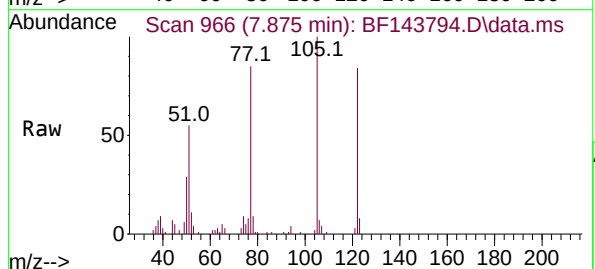
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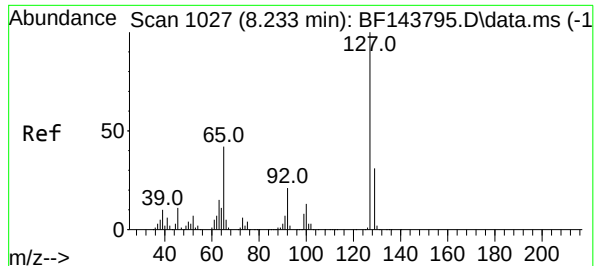
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#32
Benzoic acid
Concen: 13.254 ng
RT: 7.875 min Scan# 966
Delta R.T. -0.047 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

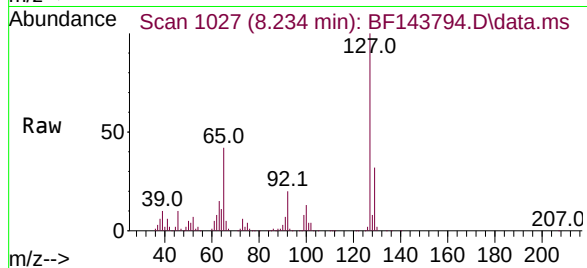
Tgt Ion:122 Resp: 40592
Ion Ratio Lower Upper
122 100
105 118.4 103.7 143.7
77 100.2 78.8 118.8





#33
4-Chloroaniline
Concen: 20.978 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

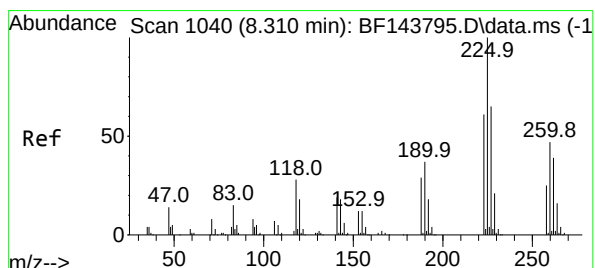
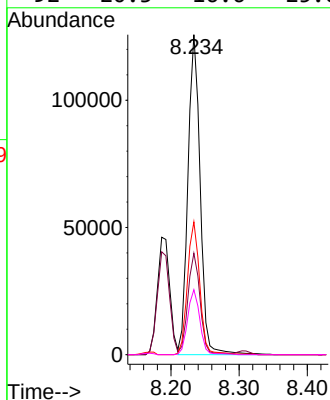
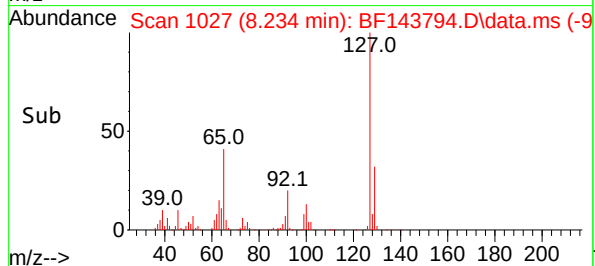
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:127 Resp: 157439
Ion Ratio Lower Upper
127 100
129 31.7 25.4 38.2
65 41.5 33.4 50.2
92 20.3 16.6 25.0

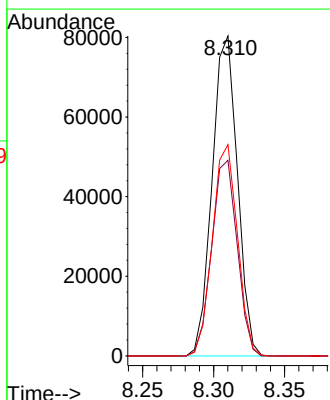
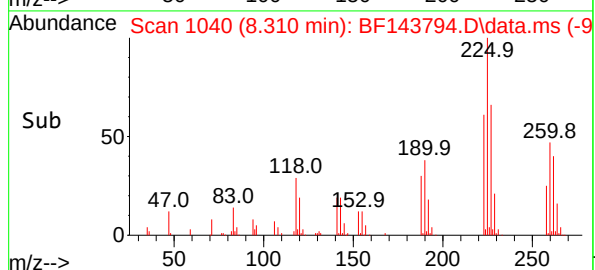
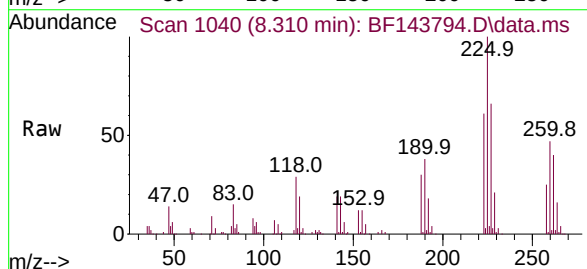
Manual Integrations
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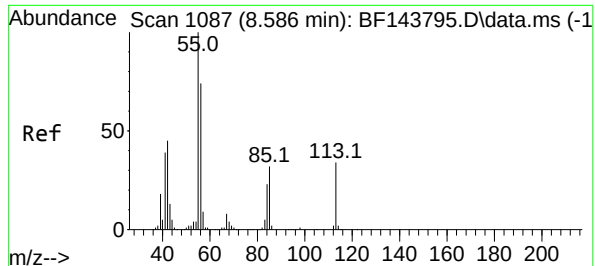
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#34
Hexachlorobutadiene
Concen: 20.595 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

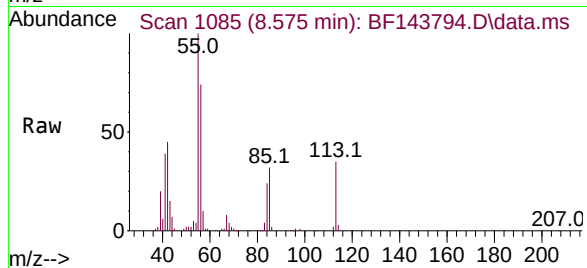
Tgt Ion:225 Resp: 99520
Ion Ratio Lower Upper
225 100
223 61.1 48.6 72.8
227 66.0 51.9 77.9





#35
Caprolactam
Concen: 19.385 ng
RT: 8.575 min Scan# 1085
Delta R.T. -0.035 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

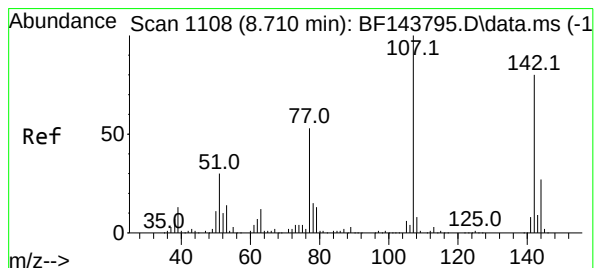
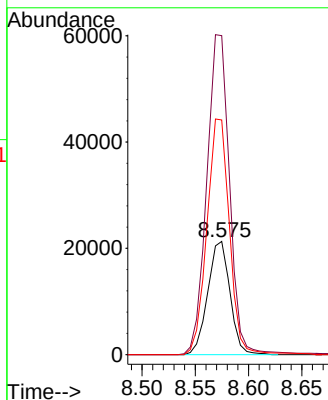
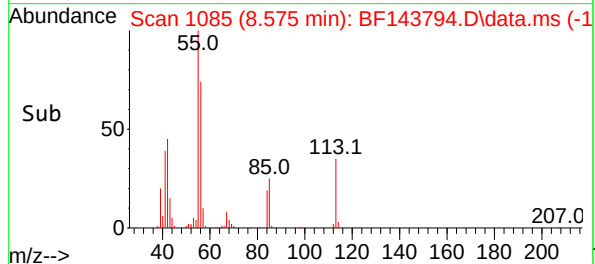
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:113 Resp: 30948
Ion Ratio Lower Upper
113 100
55 282.0 271.7 311.7
56 207.4 194.5 234.5

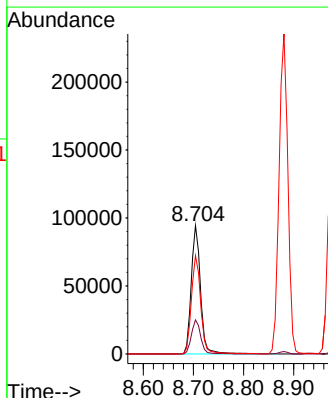
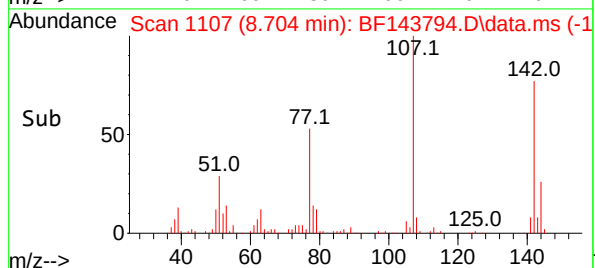
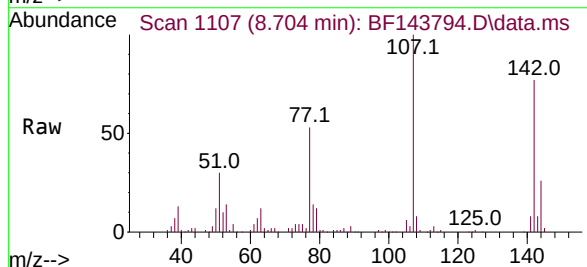
Manual Integrations
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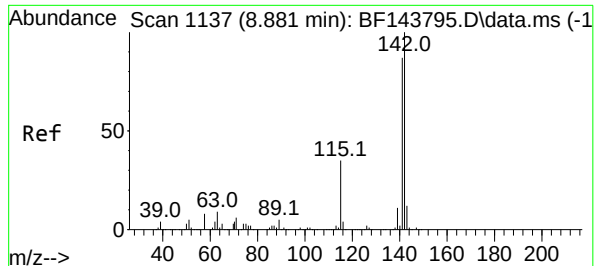
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#36
4-Chloro-3-methylphenol
Concen: 20.667 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

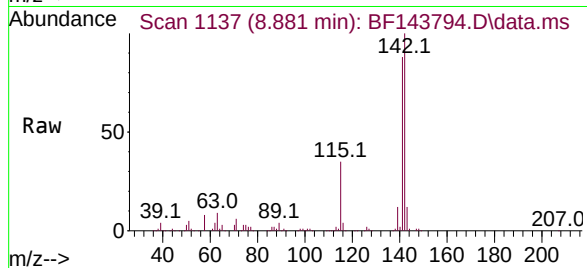
Tgt Ion:107 Resp: 121067
Ion Ratio Lower Upper
107 100
144 26.5 21.8 32.8
142 76.6 63.6 95.4





#37
2-Methylnaphthalene
Concen: 21.060 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

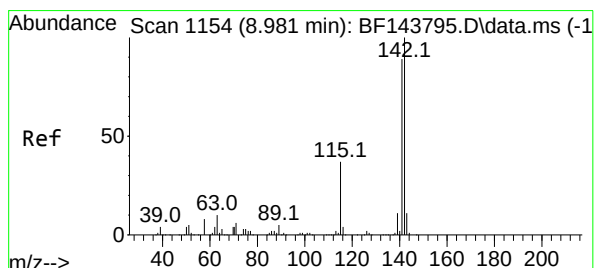
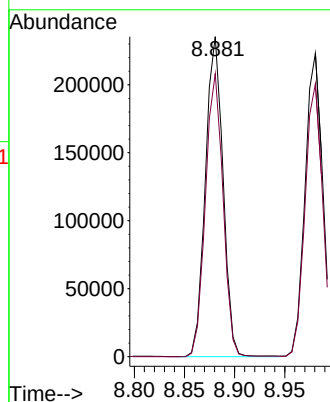
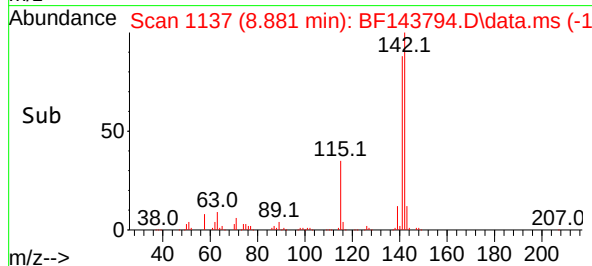
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:142 Resp: 286790
Ion Ratio Lower Upper
142 100
141 88.4 69.4 104.0

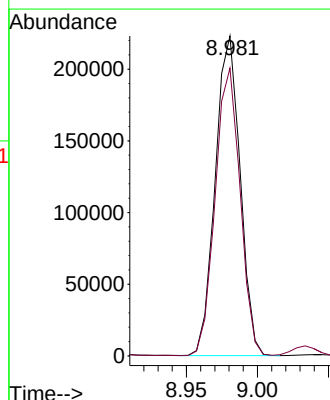
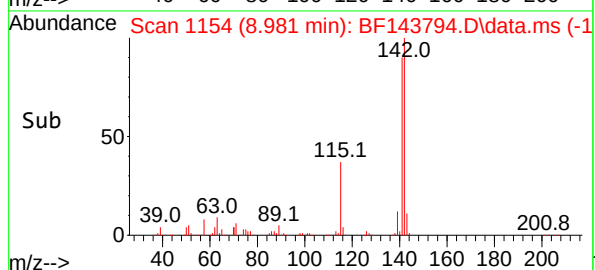
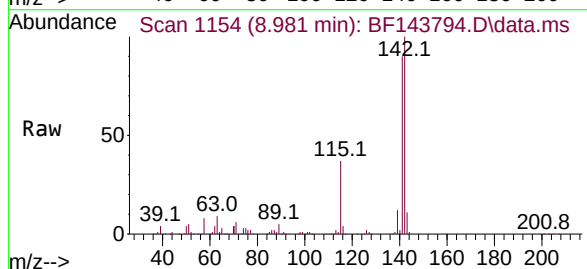
Manual Integrations
APPROVED

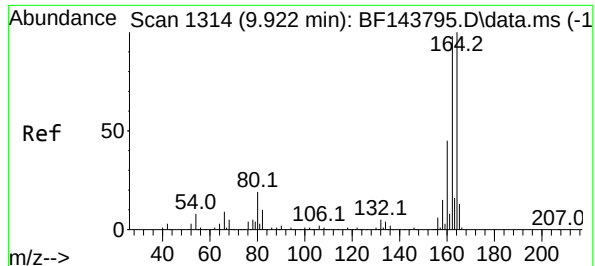
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#38
1-Methylnaphthalene
Concen: 20.889 ng
RT: 8.981 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion:142 Resp: 272276
Ion Ratio Lower Upper
142 100
141 89.9 71.1 106.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:164 Resp: 213356

Ion Ratio Lower Upper

164 100

162 99.9 78.8 118.2

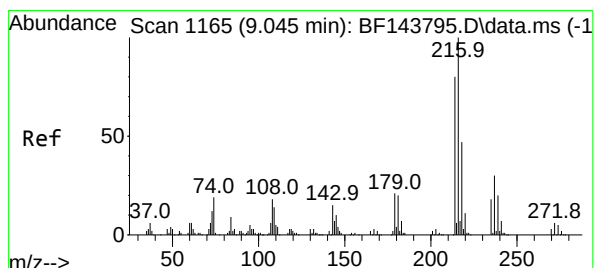
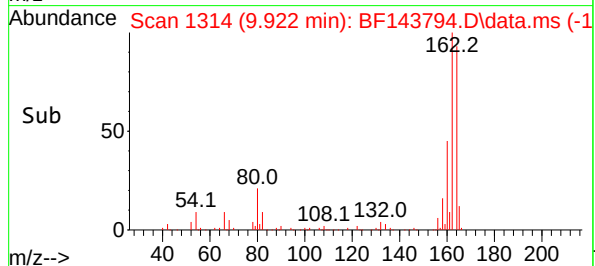
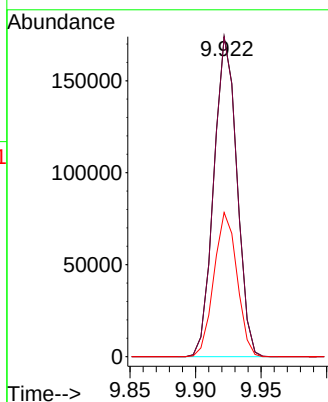
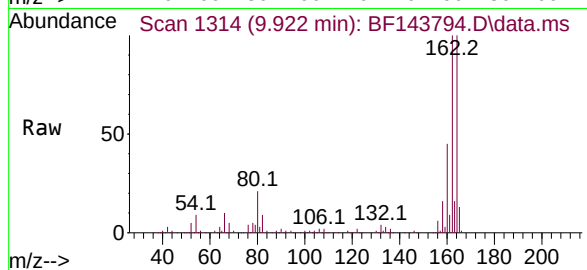
160 45.0 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.074 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Tgt Ion:216 Resp: 135689

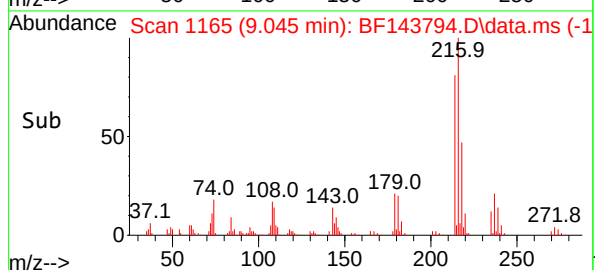
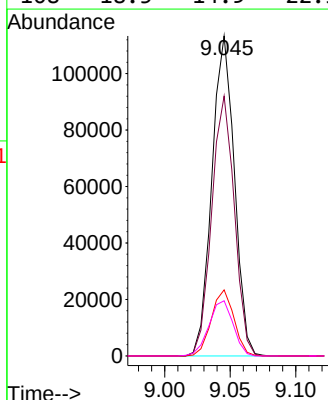
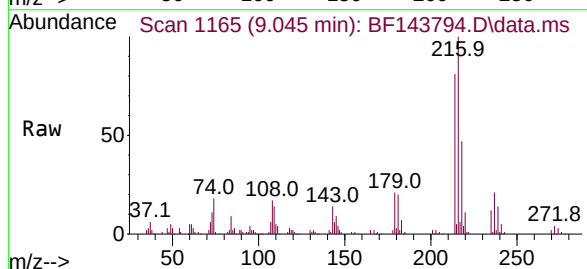
Ion Ratio Lower Upper

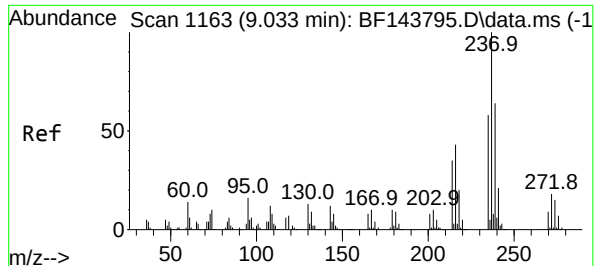
216 100

214 81.5 63.7 95.5

179 20.7 16.5 24.7

108 18.5 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 19.382 ng

RT: 9.034 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

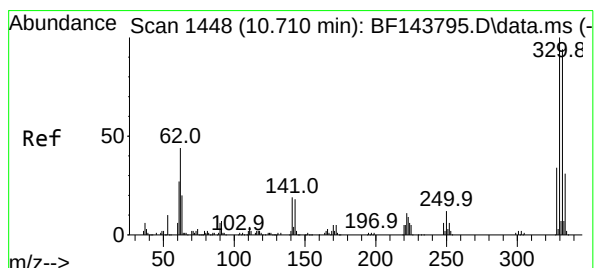
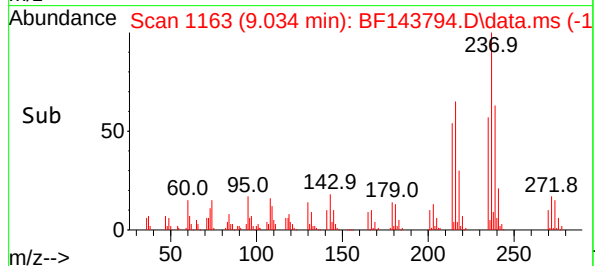
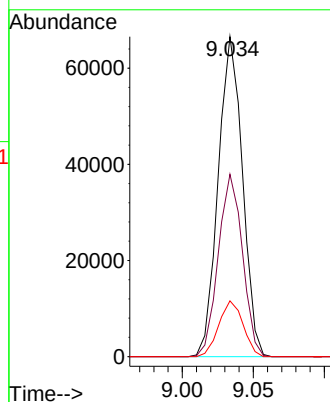
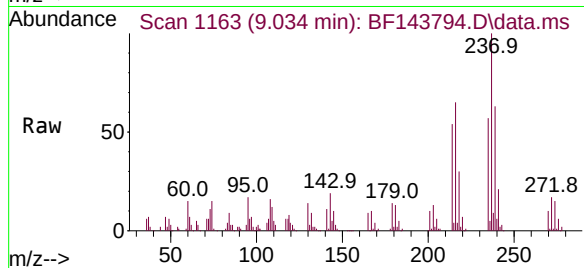
SSTDICC020

Tgt Ion:	237	Resp:	79092
Ion Ratio	Lower	Upper	
237	100		
235	57.0	38.1	78.1
272	17.4	0.0	37.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#42

2,4,6-Tribromophenol

Concen: 45.426 ng

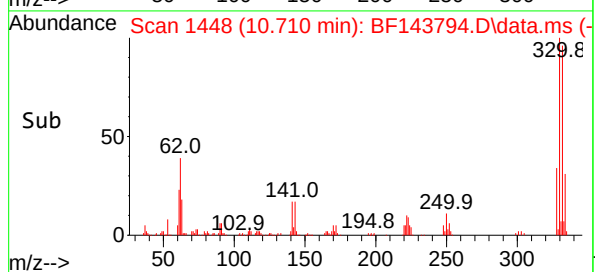
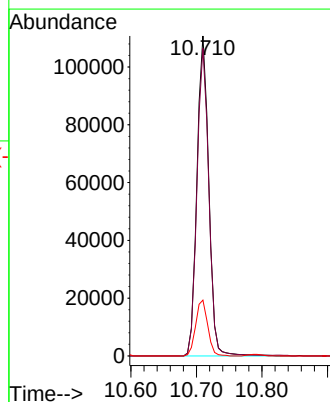
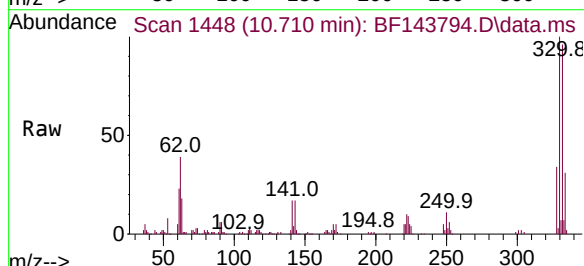
RT: 10.710 min Scan# 1448

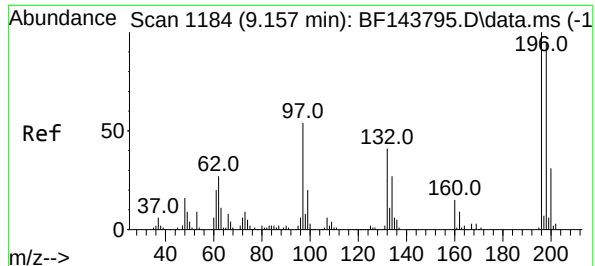
Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Tgt Ion:	330	Resp:	138317
Ion Ratio	Lower	Upper	
330	100		
332	96.5	74.7	112.1
141	17.7	14.3	21.5





#43

2,4,6-Trichlorophenol

Concen: 20.423 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF143794.D

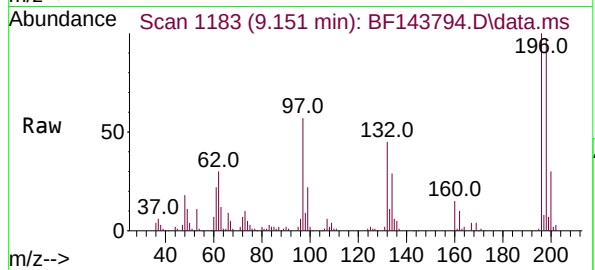
Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 8234

Ion Ratio Lower Upper

196 100

198 96.8 76.2 114.2

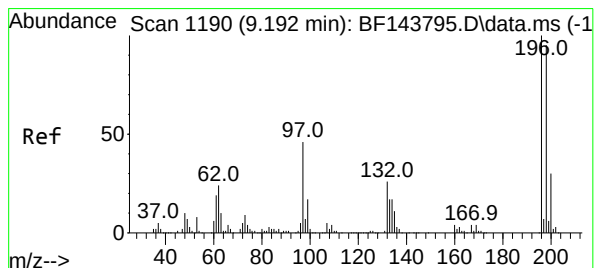
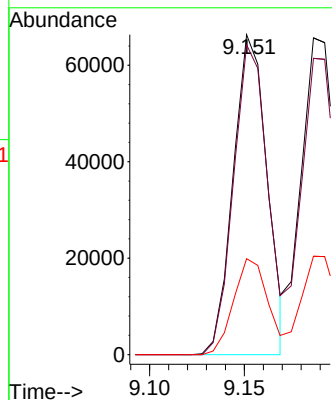
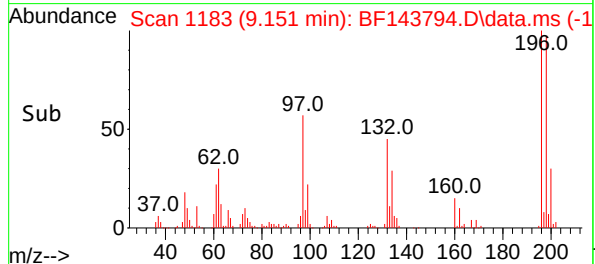
200 30.0 24.7 37.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#44

2,4,5-Trichlorophenol

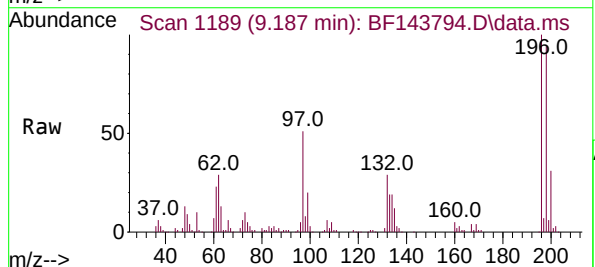
Concen: 21.213 ng

RT: 9.187 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27



Tgt Ion:196 Resp: 89458

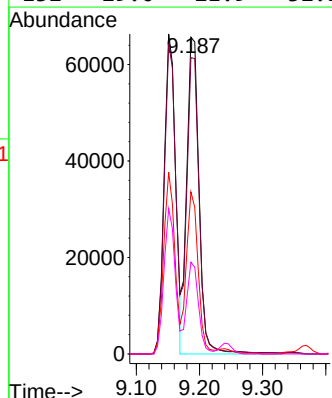
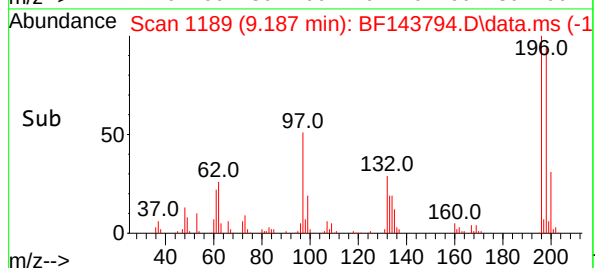
Ion Ratio Lower Upper

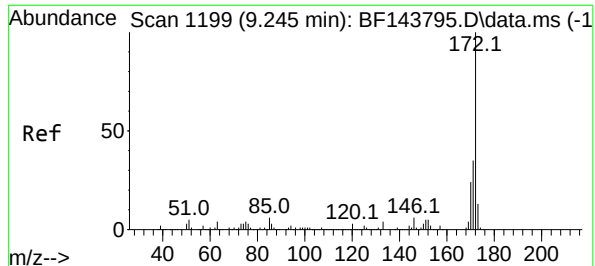
196 100

198 93.5 75.9 113.9

97 51.2 38.3 57.5

132 29.0 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 43.140 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143794.D

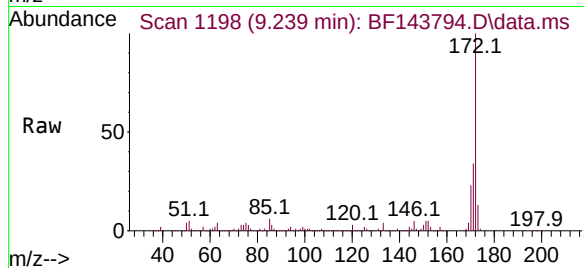
Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:172 Resp: 622849

Ion Ratio Lower Upper

172 100

171 33.7 27.9 41.9

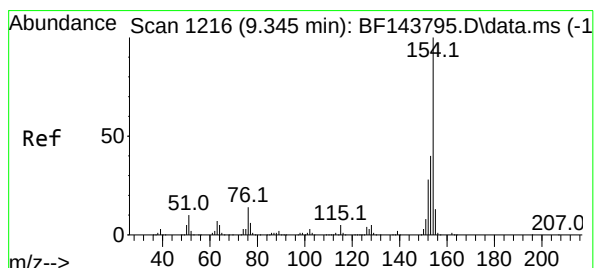
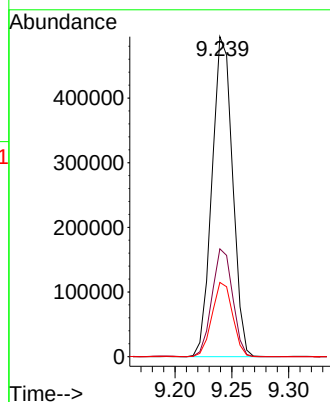
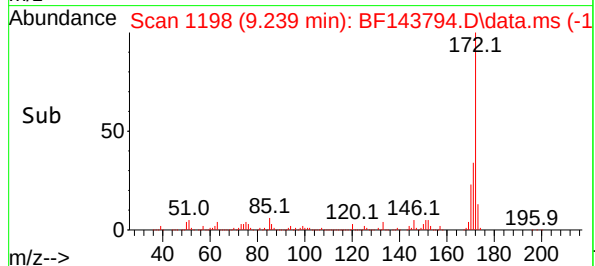
170 23.2 19.1 28.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#46

1,1'-Biphenyl

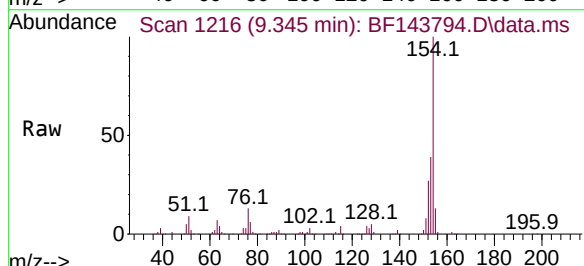
Concen: 21.610 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27



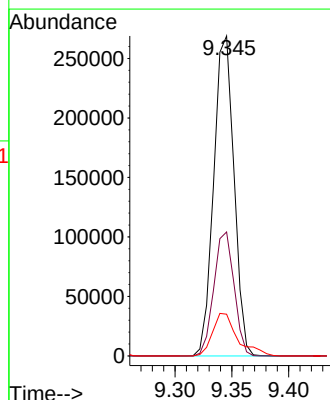
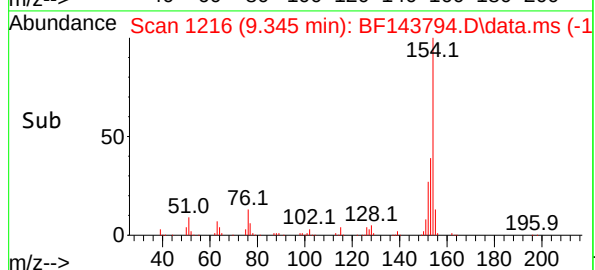
Tgt Ion:154 Resp: 333743

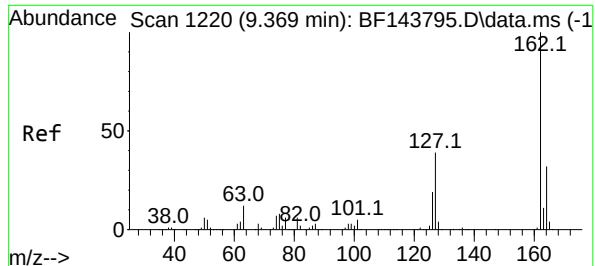
Ion Ratio Lower Upper

154 100

153 38.8 19.7 59.7

76 13.0 0.0 33.8





#47

2-Chloronaphthalene

Concen: 21.330 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143794.D

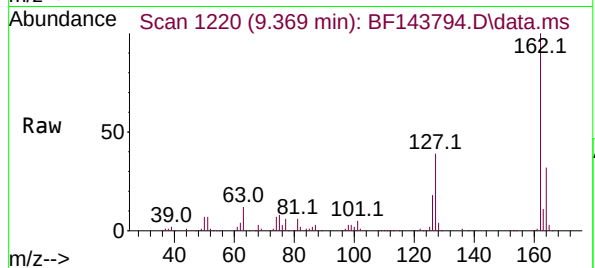
Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:162 Resp: 265169

Ion Ratio Lower Upper

162 100

127 38.6 31.5 47.3

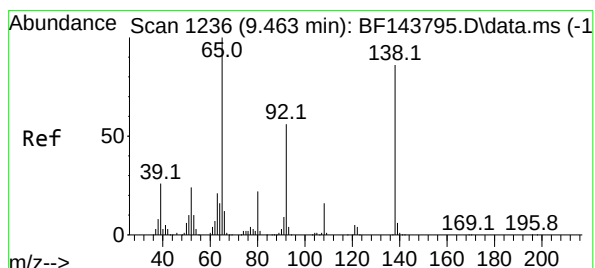
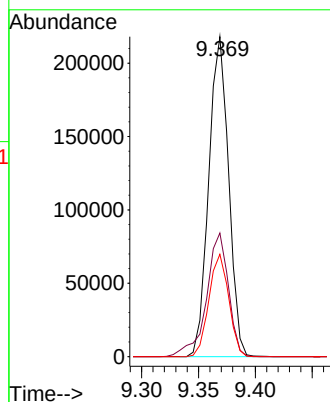
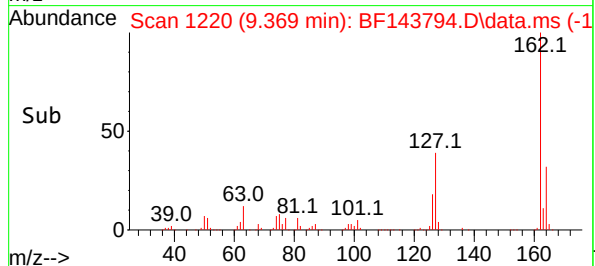
164 32.0 25.9 38.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#48

2-Nitroaniline

Concen: 20.157 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

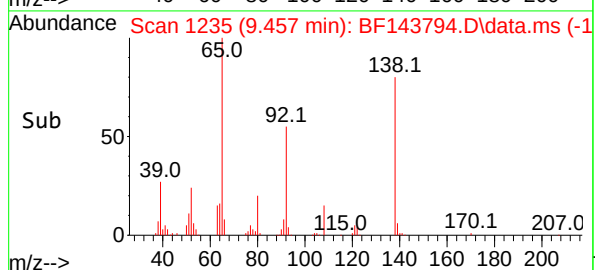
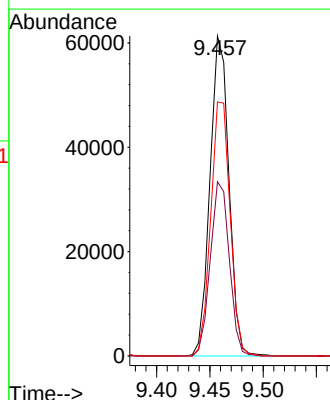
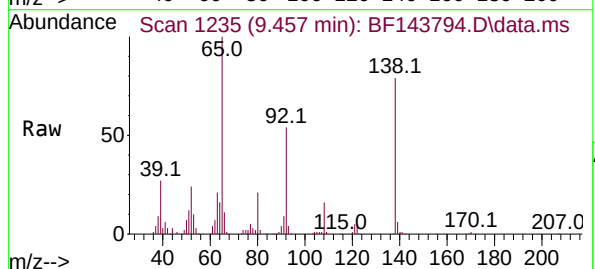
Tgt Ion: 65 Resp: 75737

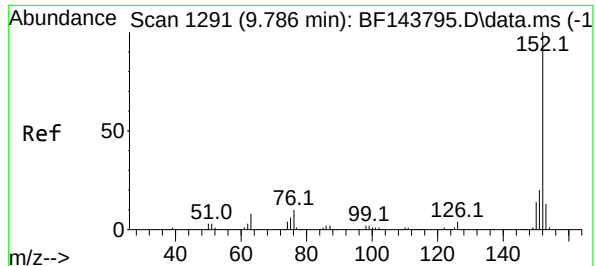
Ion Ratio Lower Upper

65 100

92 54.4 44.9 67.3

138 79.4 69.0 103.4





#49

Acenaphthylene

Concen: 21.195 ng

RT: 9.781 min Scan# 1290

Delta R.T. -0.006 min

Lab File: BF143794.D

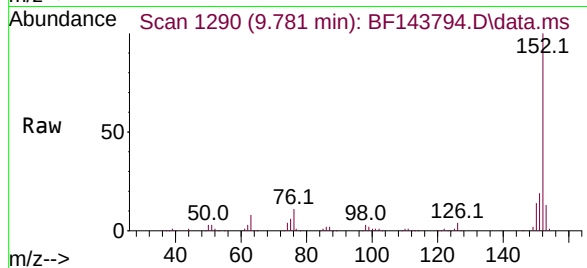
Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:152 Resp: 362739

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

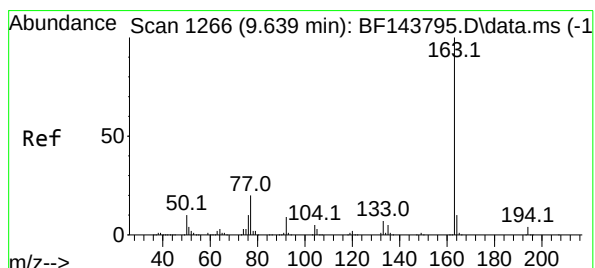
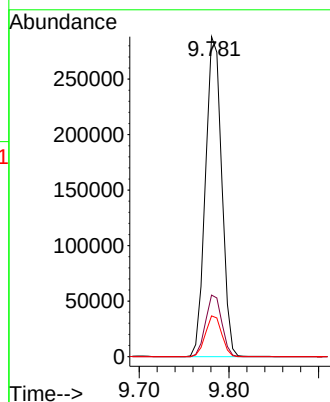
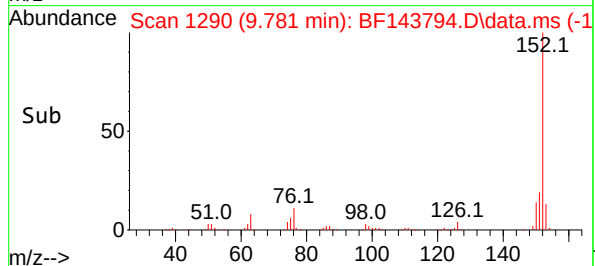
153 12.7 10.6 15.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#50

Dimethylphthalate

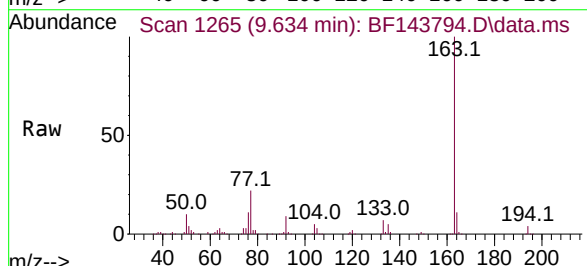
Concen: 20.548 ng

RT: 9.634 min Scan# 1265

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27



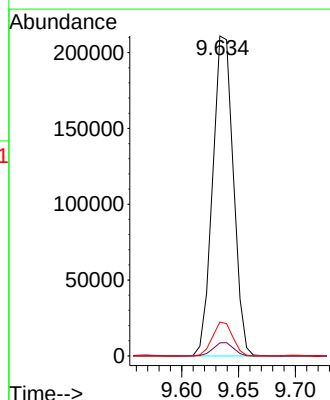
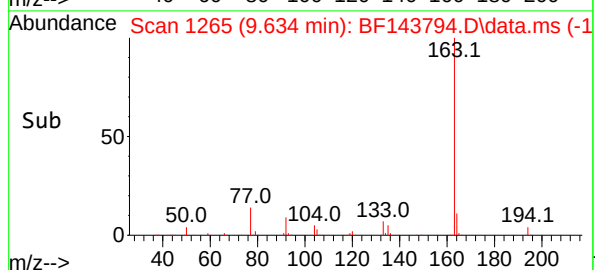
Tgt Ion:163 Resp: 267211

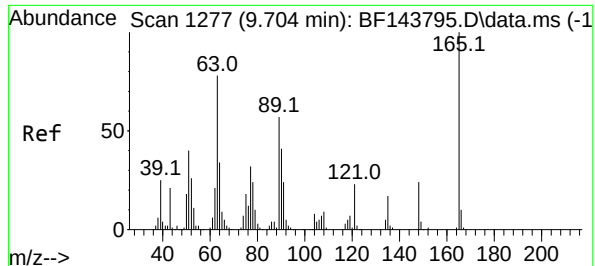
Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

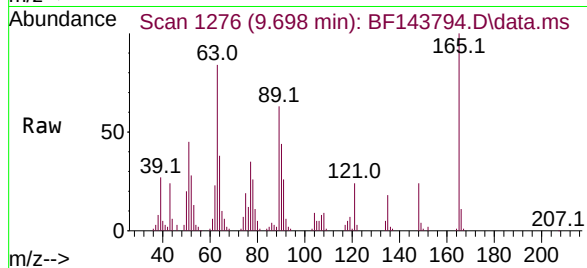
164 10.6 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 19.794 ng
RT: 9.698 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

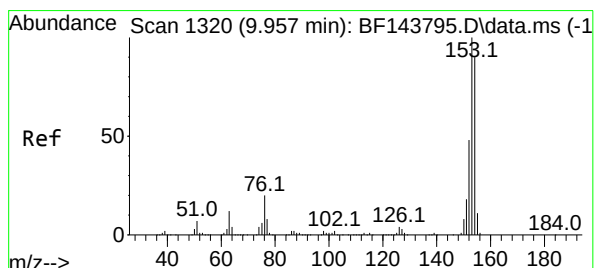
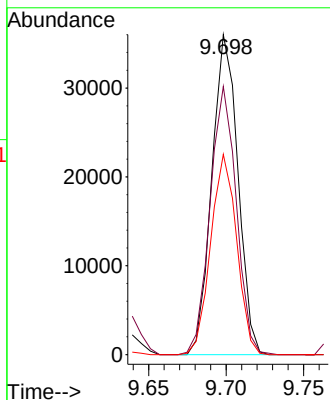
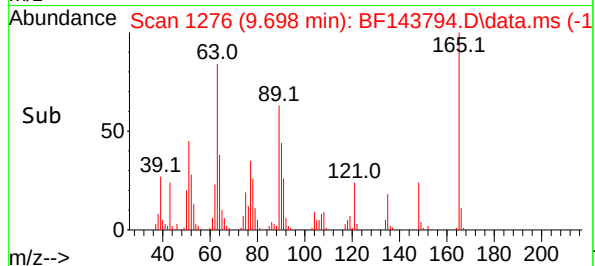
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 42291
Ion Ratio Lower Upper
165 100
63 83.8 62.6 94.0
89 62.6 45.2 67.8

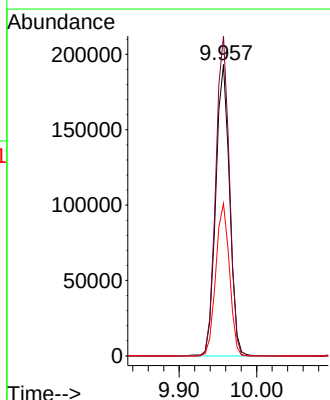
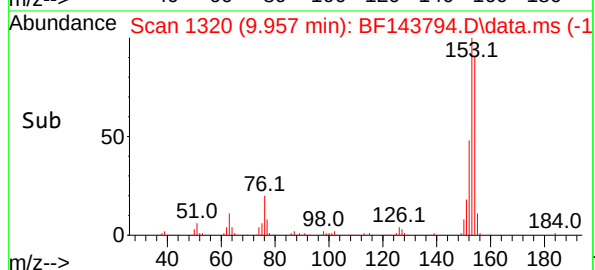
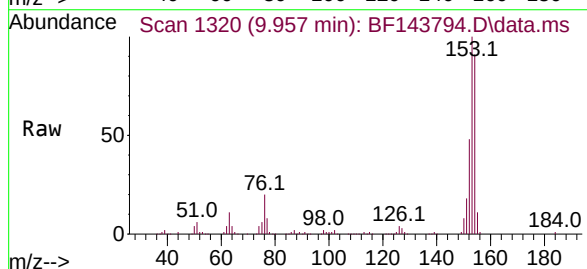
Manual Integrations
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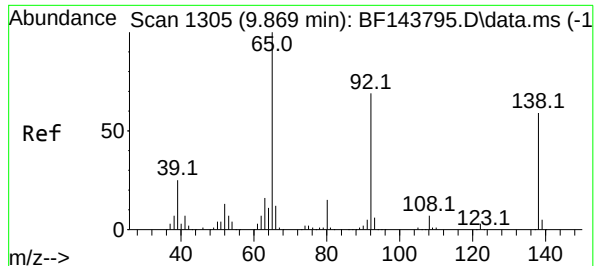
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#52
Acenaphthene
Concen: 21.268 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion:154 Resp: 239533
Ion Ratio Lower Upper
154 100
153 109.8 88.7 133.1
152 52.3 42.7 64.1





#53

3-Nitroaniline

Concen: 20.150 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:138 Resp: 52183

Ion Ratio Lower Upper

138 100

108 14.8 9.9 14.9

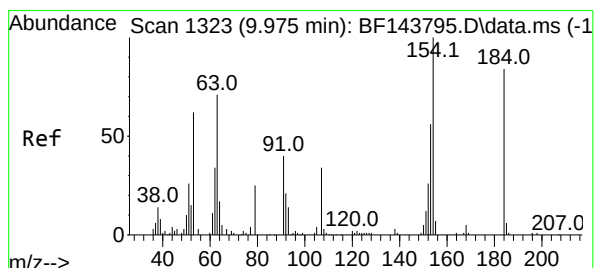
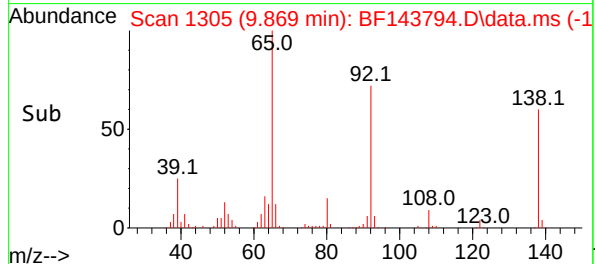
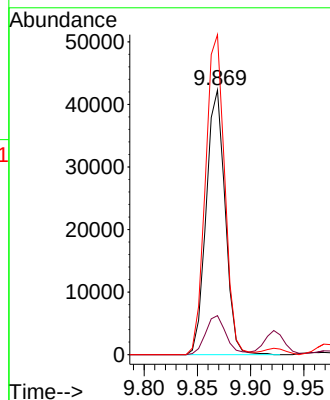
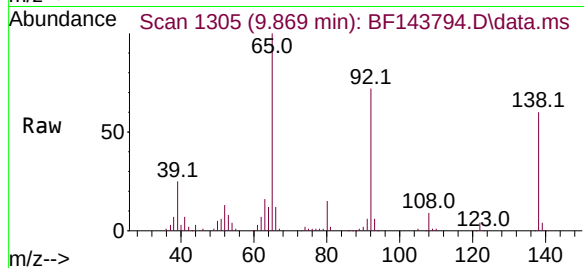
92 121.0 93.5 140.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#54

2,4-Dinitrophenol

Concen: 16.759 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

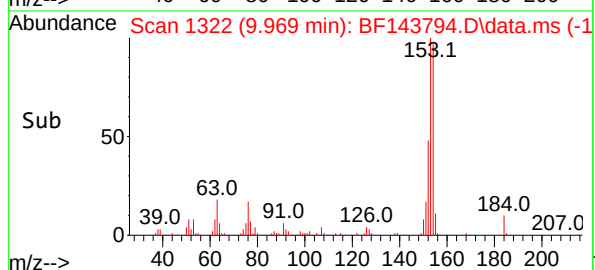
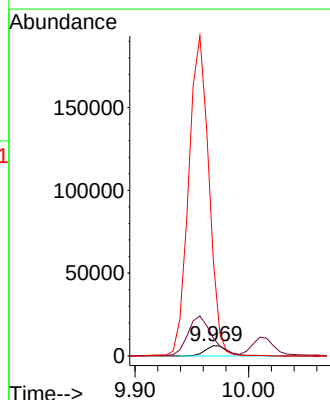
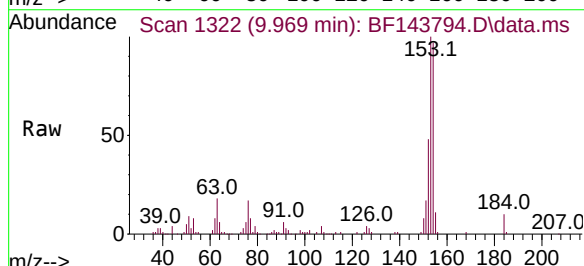
Tgt Ion:184 Resp: 8519

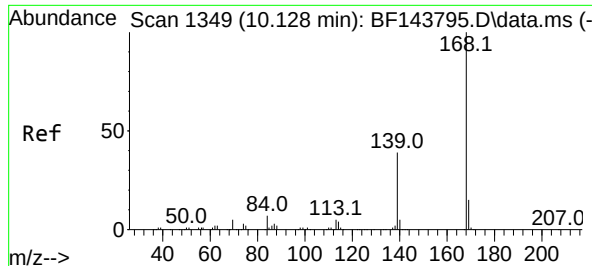
Ion Ratio Lower Upper

184 100

63 174.8 84.6 127.0#

154 930.3 199.3 298.9#





#55

Dibenzenofuran

Concen: 21.305 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:168 Resp: 339308

Ion Ratio Lower Upper

168 100

139 38.2 31.0 46.6

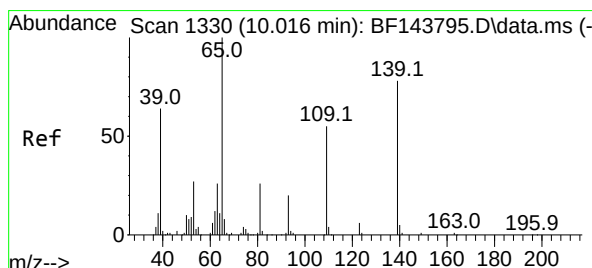
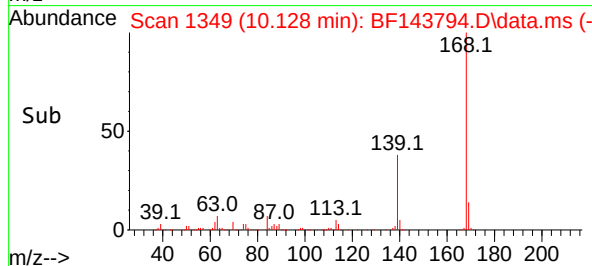
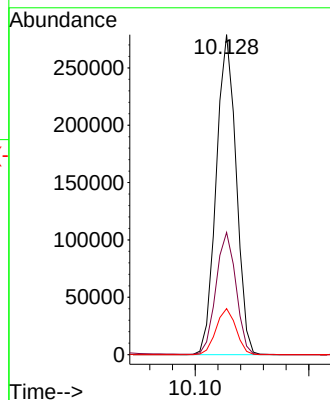
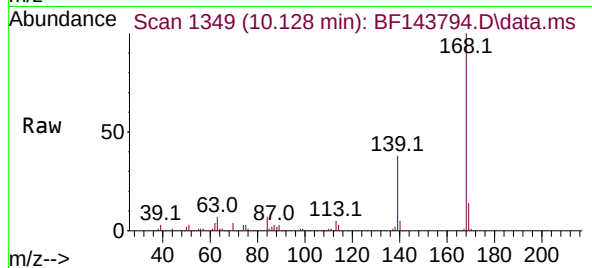
169 14.4 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#56

4-Nitrophenol

Concen: 17.322 ng

RT: 10.016 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

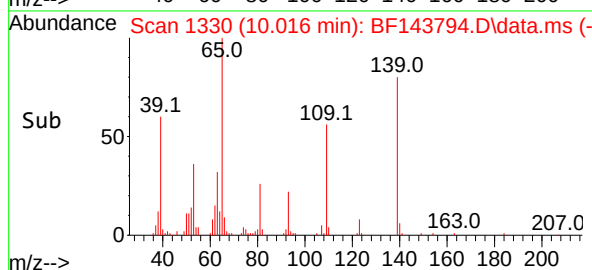
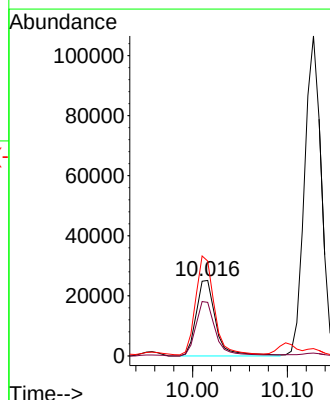
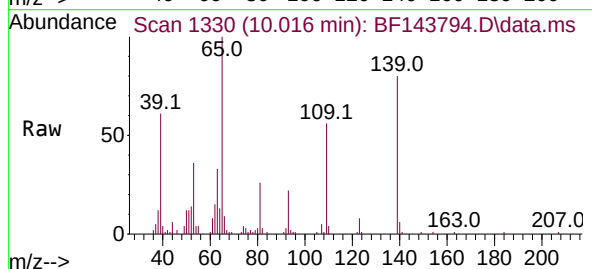
Tgt Ion:139 Resp: 36150

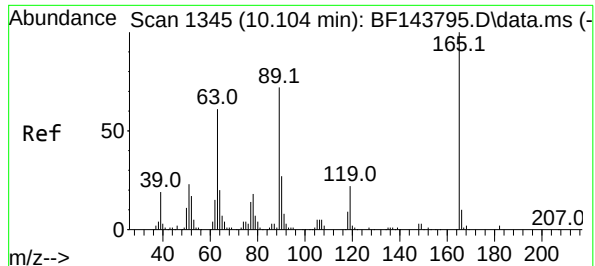
Ion Ratio Lower Upper

139 100

109 70.9 50.2 90.2

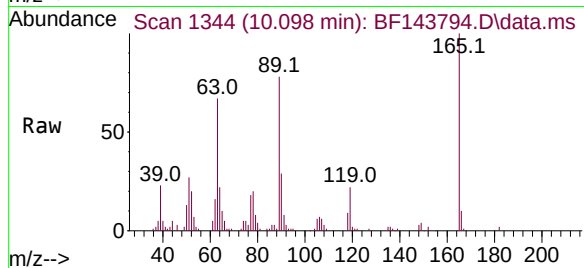
65 125.7 109.2 149.2





#57
2,4-Dinitrotoluene
Concen: 18.952 ng
RT: 10.098 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

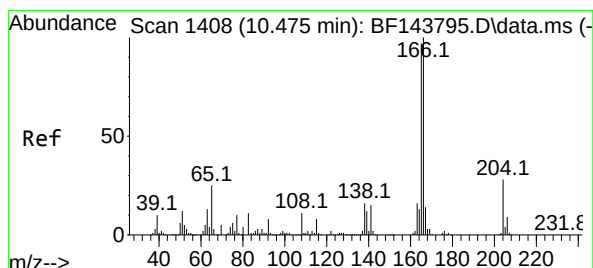
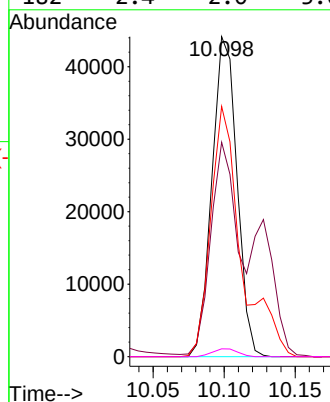
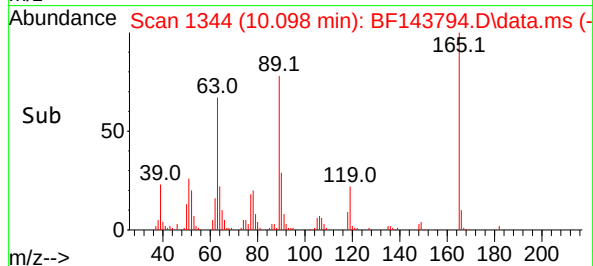
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



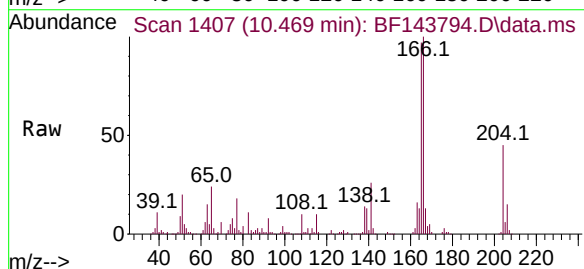
Tgt Ion:165 Resp: 5413
Ion Ratio Lower Upper
165 100
63 67.0 48.9 73.3
89 78.2 57.5 86.3
182 2.4 2.0 3.0

Manual Integrations
APPROVED

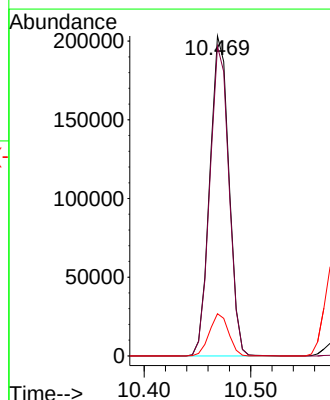
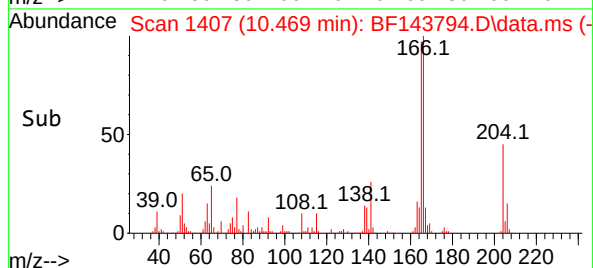
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

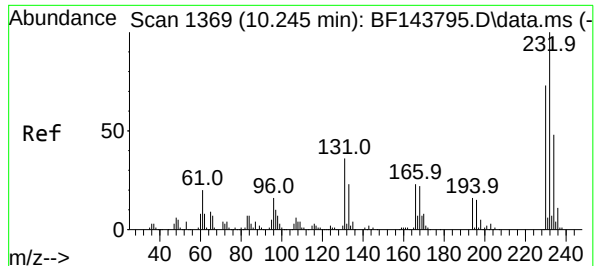


#58
Fluorene
Concen: 21.445 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27



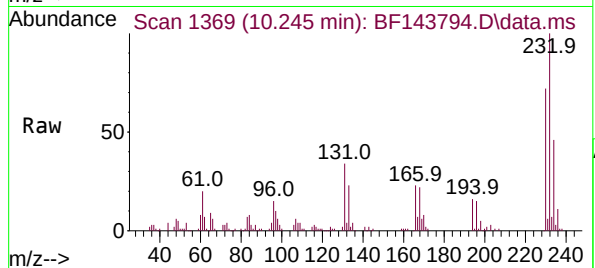
Tgt Ion:166 Resp: 253897
Ion Ratio Lower Upper
166 100
165 96.8 78.0 117.0
167 13.2 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.618 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

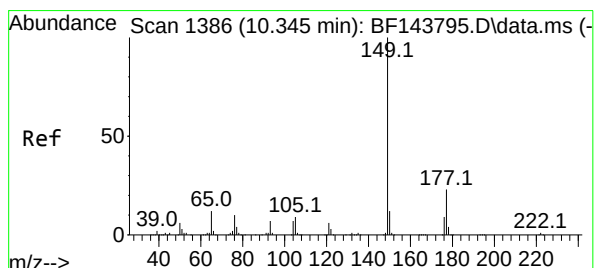
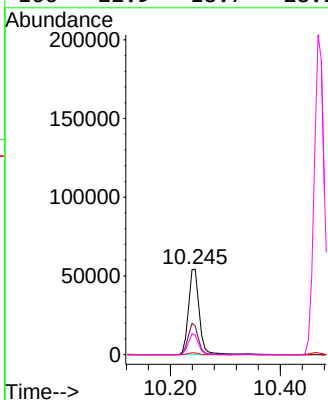
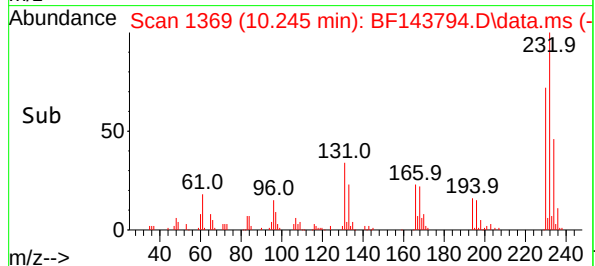
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



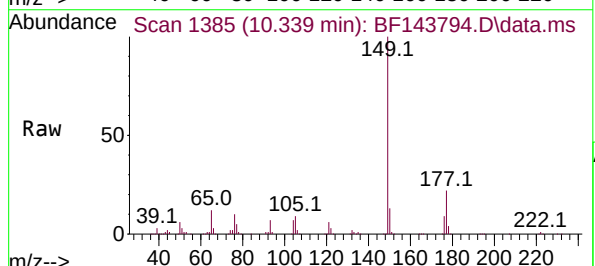
Tgt Ion:232 Resp: 74485
Ion Ratio Lower Upper
232 100
131 34.9 29.4 44.2
130 1.9 1.3 1.9
166 22.9 18.7 28.1

Manual Integrations
APPROVED

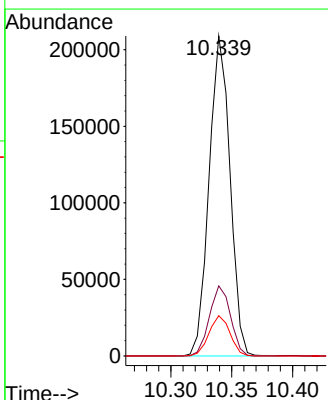
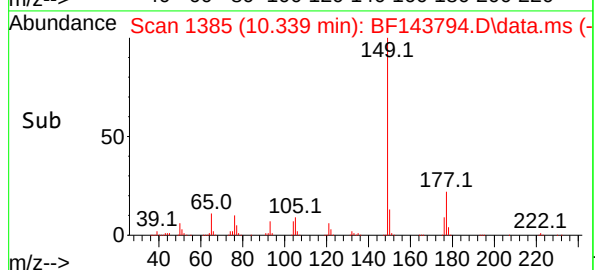
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

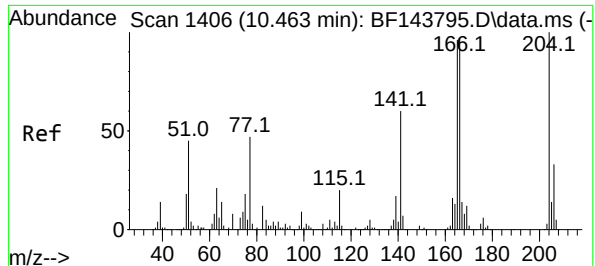


#60
Diethylphthalate
Concen: 20.575 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27



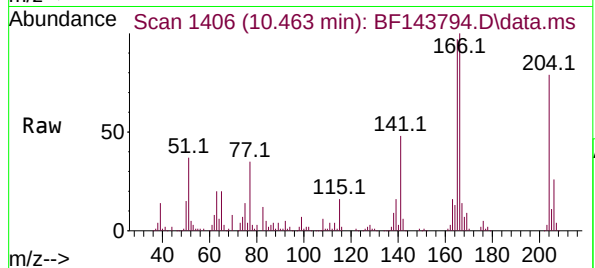
Tgt Ion:149 Resp: 250459
Ion Ratio Lower Upper
149 100
177 21.9 18.1 27.1
150 12.6 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 21.242 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

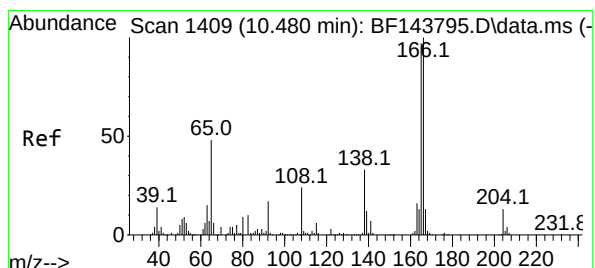
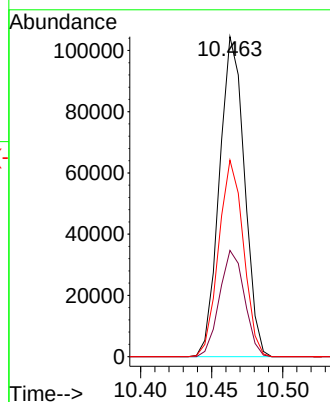
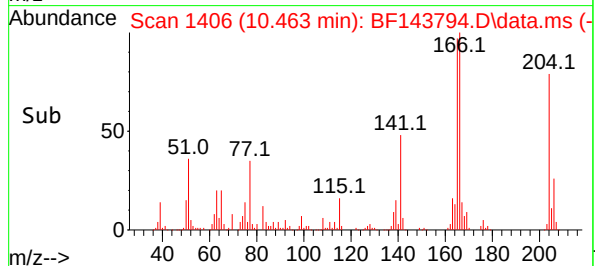
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



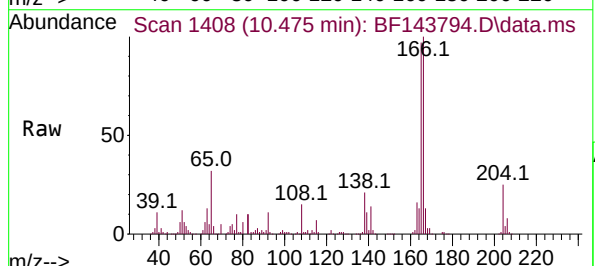
Tgt Ion:204 Resp: 128143
Ion Ratio Lower Upper
204 100
206 33.2 26.7 40.1
141 61.4 48.2 72.2

Manual Integrations
APPROVED

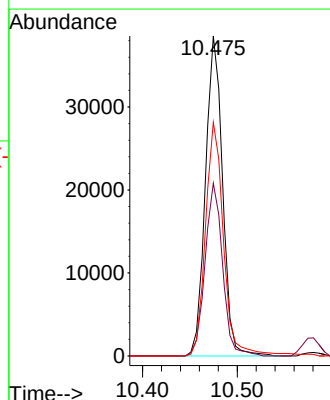
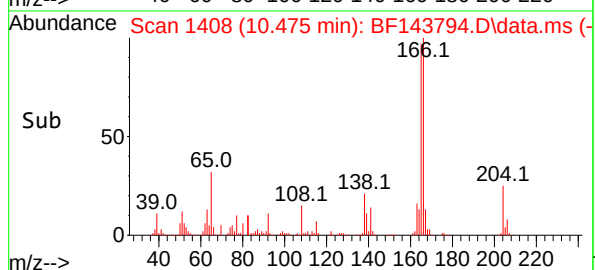
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

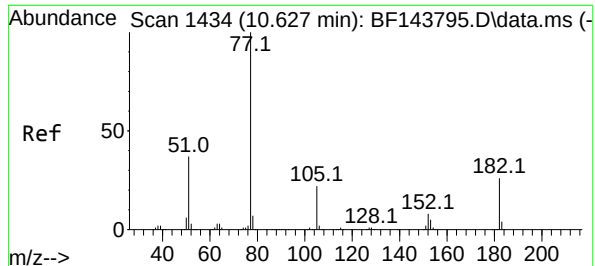


#62
4-Nitroaniline
Concen: 19.941 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27



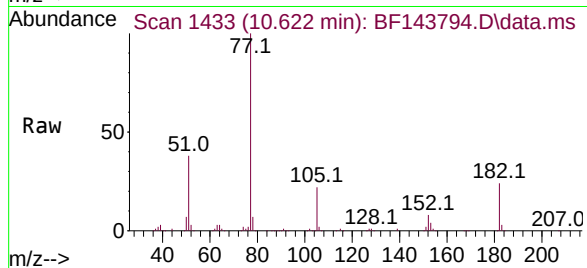
Tgt Ion:138 Resp: 48558
Ion Ratio Lower Upper
138 100
92 54.0 31.5 71.5
108 73.0 51.9 91.9





#63
Azobenzene
Concen: 20.720 ng
RT: 10.622 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

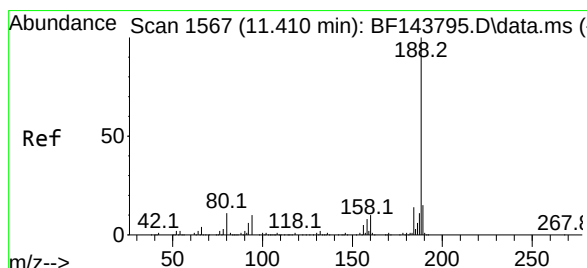
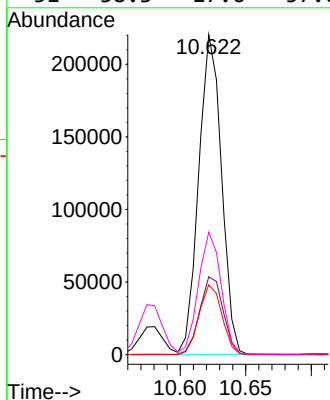
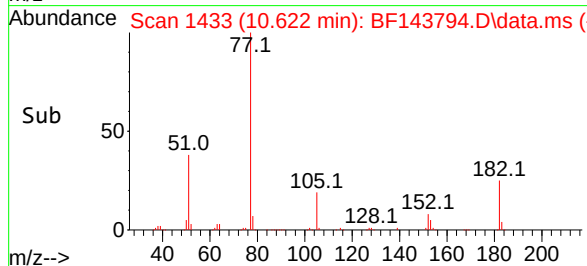
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 265823
Ion Ratio Lower Upper
77 100
182 24.3 5.9 45.9
105 21.8 2.3 42.3
51 38.3 17.6 57.6

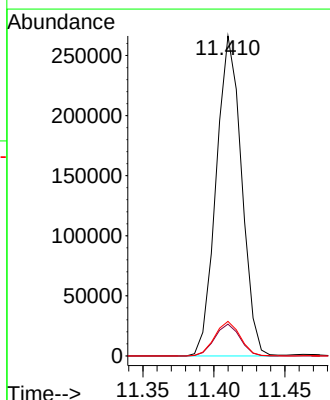
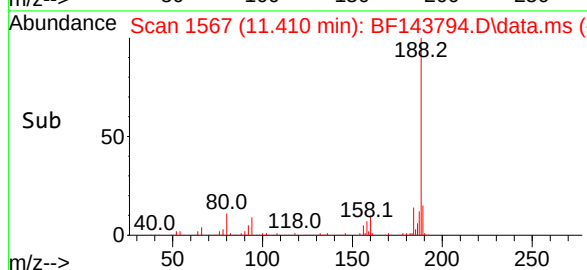
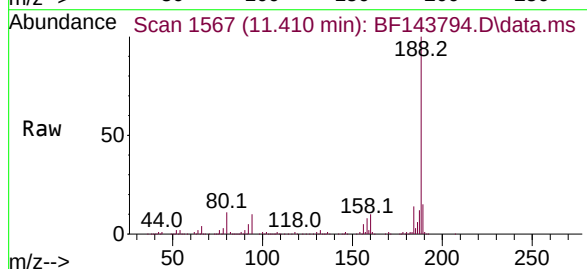
Manual Integrations
APPROVED

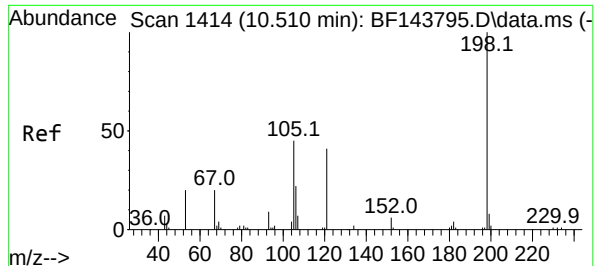
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion:188 Resp: 331910
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.2
80 10.8 8.6 12.8





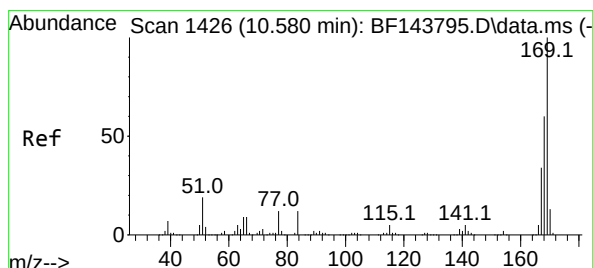
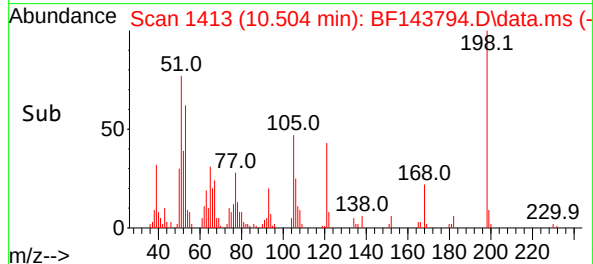
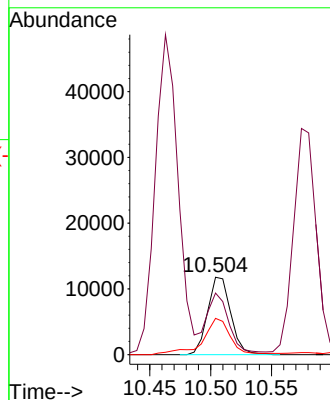
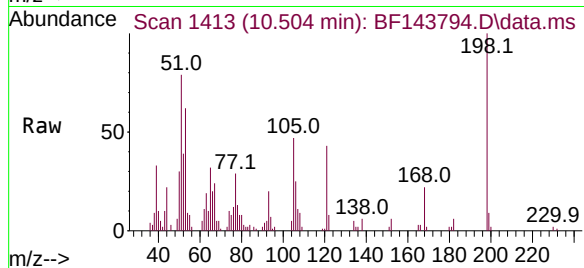
#65
4,6-Dinitro-2-methylphenol
Concen: 17.632 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Instrument :
BNA_F
Client Sample Id :
SSTDICC020

Tgt Ion:198 Resp: 15499
Ion Ratio Lower Upper
198 100
51 79.4 52.0 92.0
105 46.7 27.5 67.5

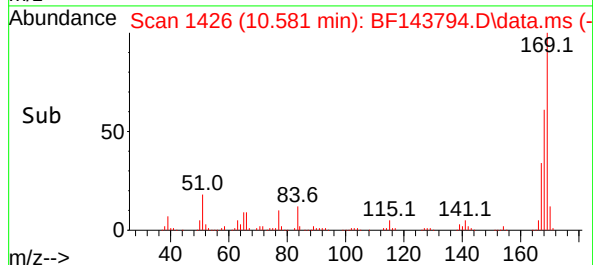
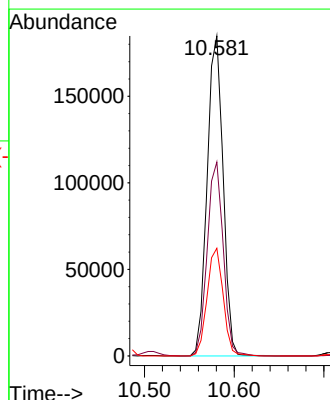
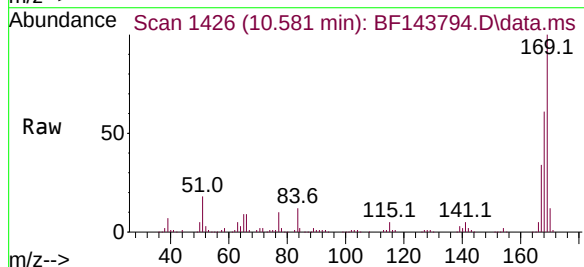
Manual Integrations
APPROVED

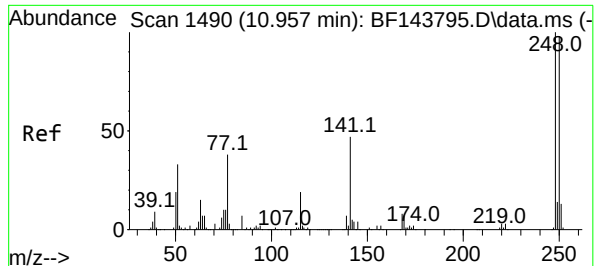
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#66
n-Nitrosodiphenylamine
Concen: 20.930 ng
RT: 10.581 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

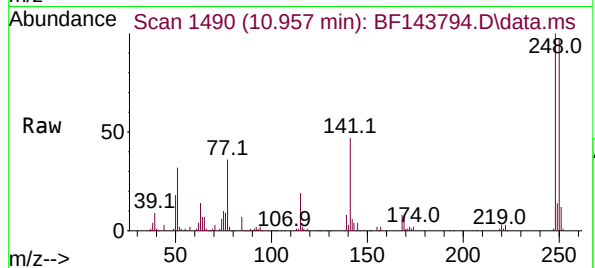
Tgt Ion:169 Resp: 228456
Ion Ratio Lower Upper
169 100
168 60.6 47.9 71.9
167 33.6 27.0 40.6





#67
4-Bromophenyl-phenylether
Concen: 20.464 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

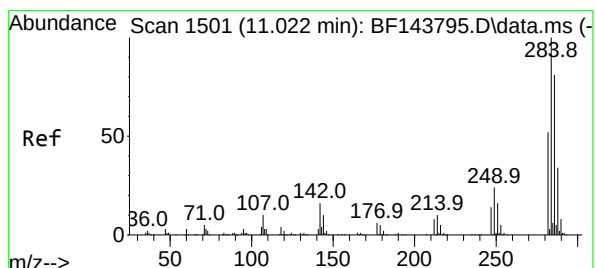
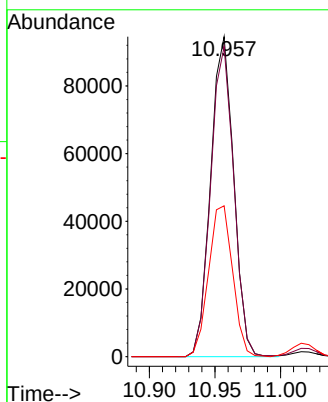
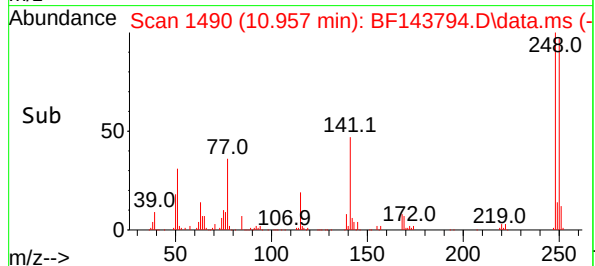
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



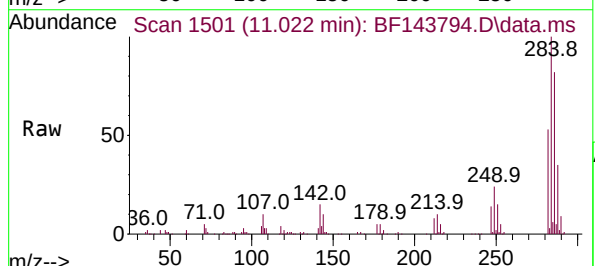
Tgt Ion:248 Resp: 115749
Ion Ratio Lower Upper
248 100
250 96.9 78.7 118.1
141 47.1 37.9 56.9

Manual Integrations
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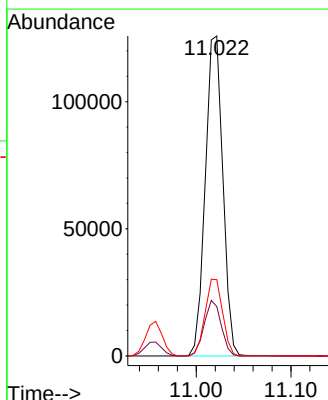
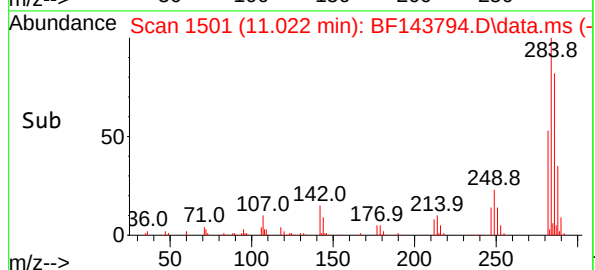
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

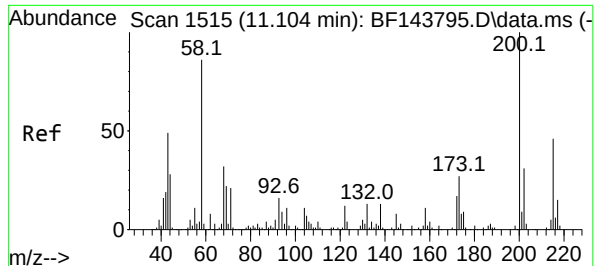


#68
Hexachlorobenzene
Concen: 20.797 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27



Tgt Ion:284 Resp: 162113
Ion Ratio Lower Upper
284 100
142 15.4 13.1 19.7
249 23.8 19.5 29.3





#69

Atrazine

Concen: 20.747 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:200 Resp: 65580

Ion Ratio Lower Upper

200 100

173 27.1 7.2 47.2

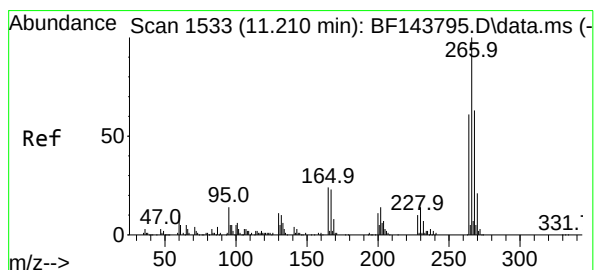
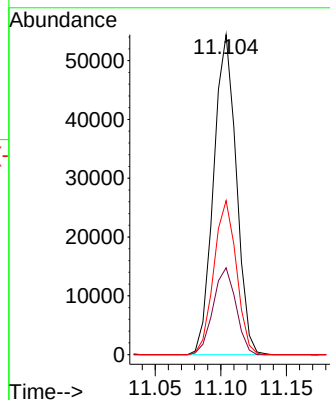
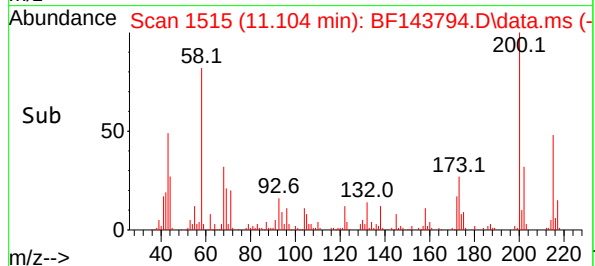
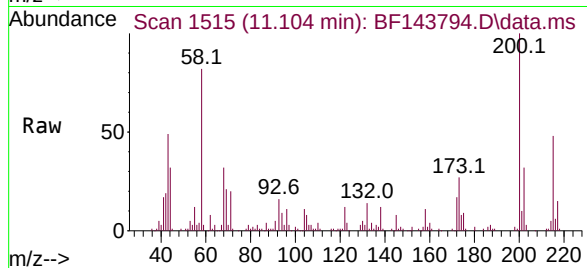
215 48.1 26.0 66.0

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#70

Pentachlorophenol

Concen: 18.449 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

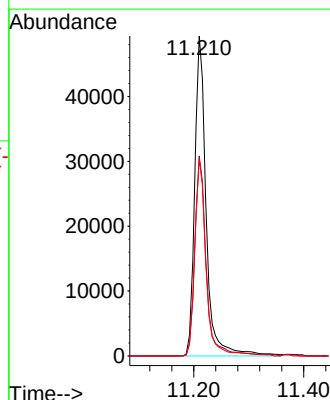
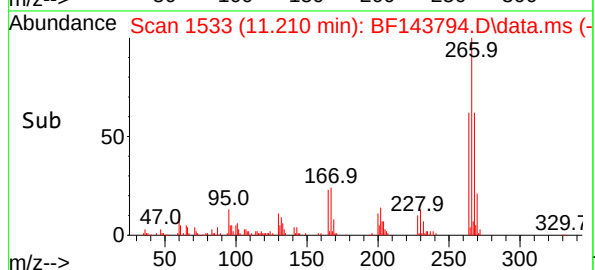
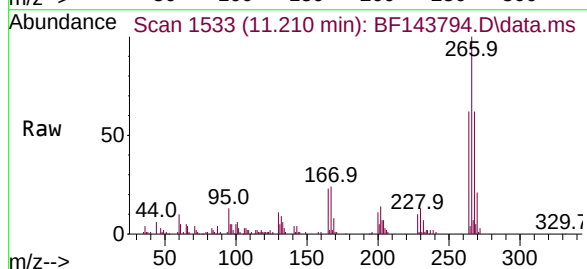
Tgt Ion:266 Resp: 71585

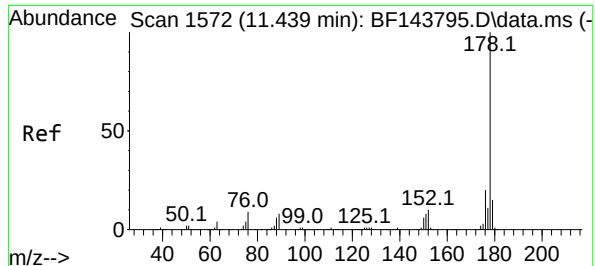
Ion Ratio Lower Upper

266 100

268 62.5 50.5 75.7

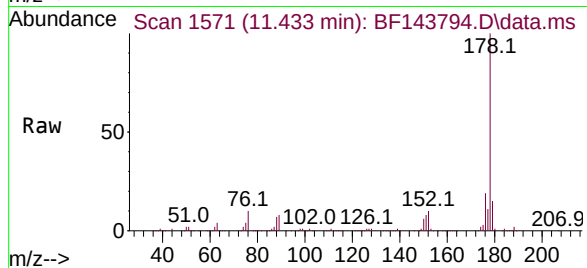
264 61.6 48.8 73.2





#71
Phenanthrene
Concen: 20.854 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

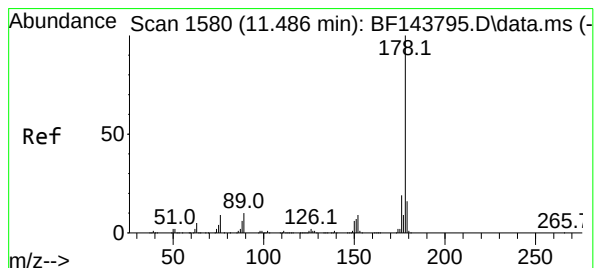
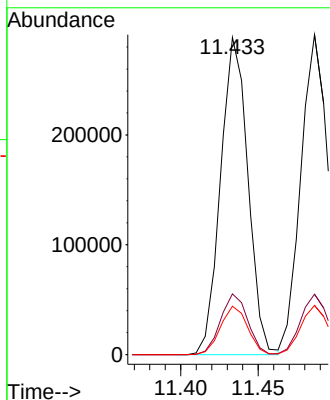
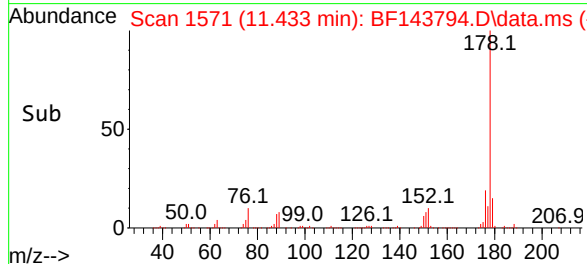
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:178 Resp: 355364
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.3 12.2 18.4

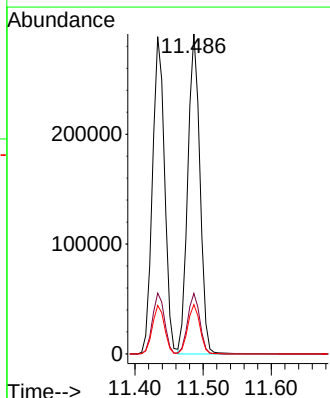
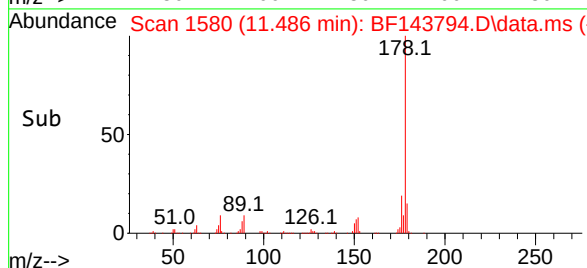
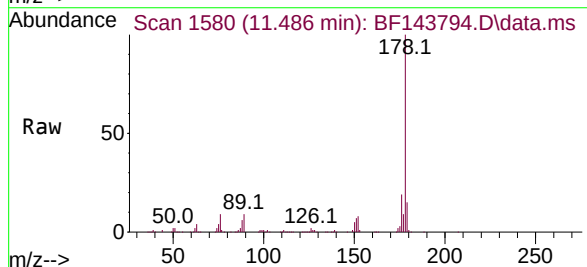
Manual Integrations
APPROVED

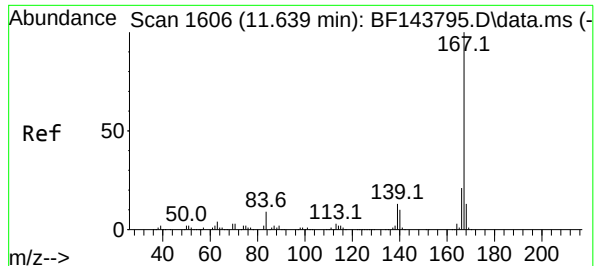
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#72
Anthracene
Concen: 21.135 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

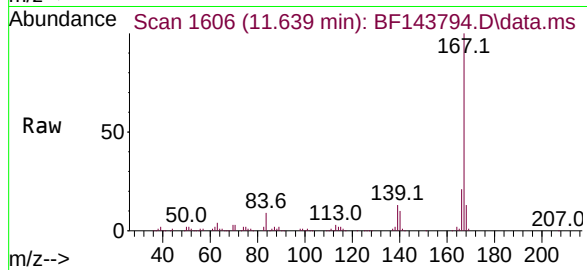
Tgt Ion:178 Resp: 361245
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.4 12.8 19.2





#73
 Carbazole
 Concen: 21.072 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF143794.D
 Acq: 23 Sep 2025 12:27

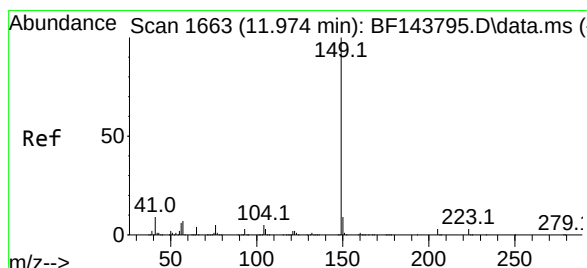
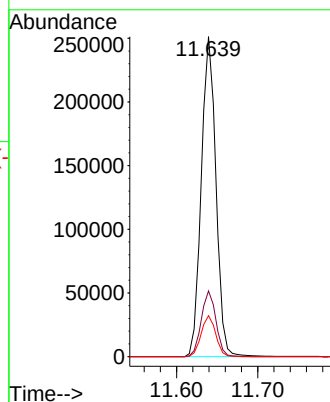
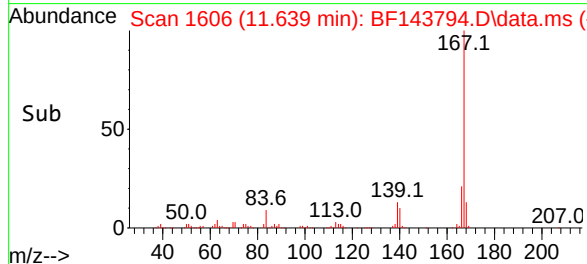
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020



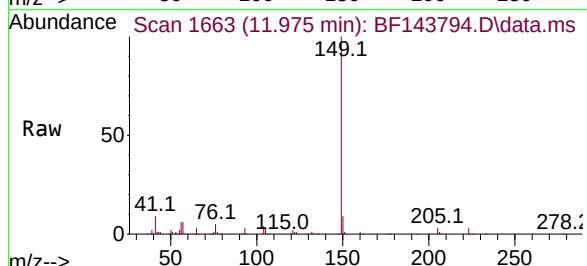
Tgt Ion:167 Resp: 314908
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.0 25.4
 139 12.8 10.6 15.8

Manual Integrations
 APPROVED

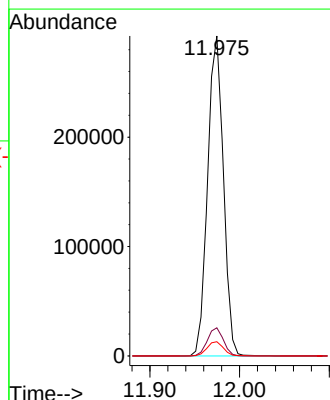
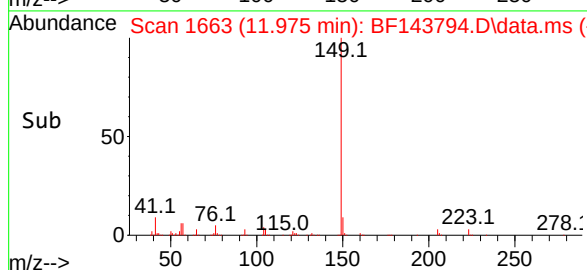
Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

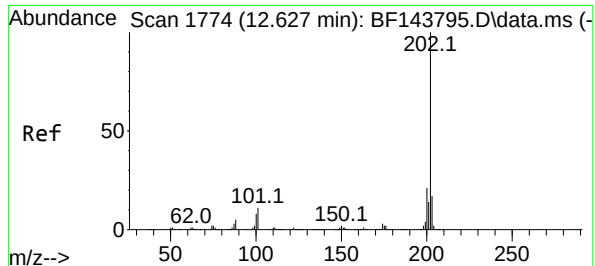


#74
 Di-n-butylphthalate
 Concen: 20.764 ng
 RT: 11.975 min Scan# 1663
 Delta R.T. 0.000 min
 Lab File: BF143794.D
 Acq: 23 Sep 2025 12:27



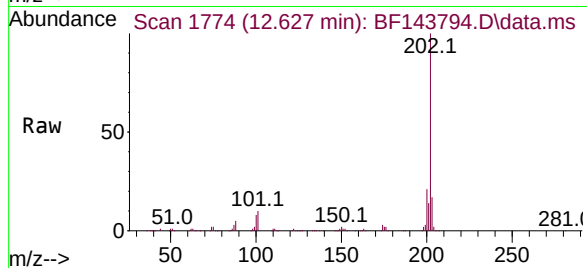
Tgt Ion:149 Resp: 356883
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.3 10.9
 104 4.4 3.6 5.4





#75
Fluoranthene
Concen: 21.284 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

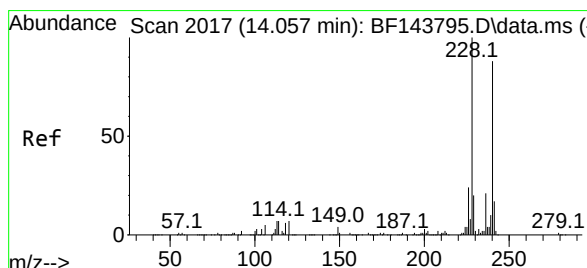
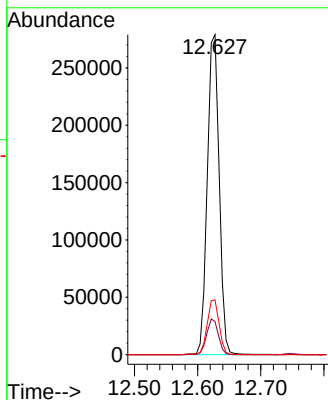
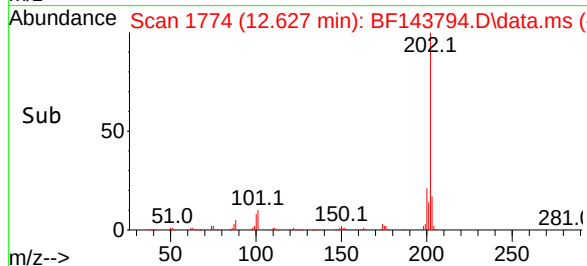
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



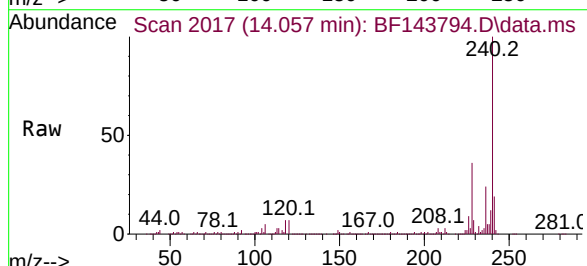
Tgt Ion:202 Resp: 364772
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.1
203 17.1 0.0 37.4

Manual Integrations
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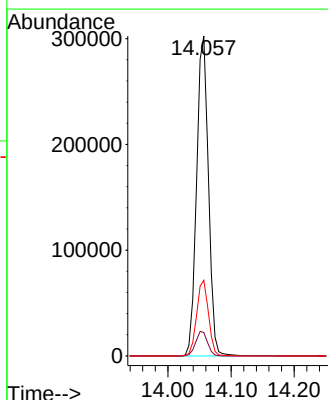
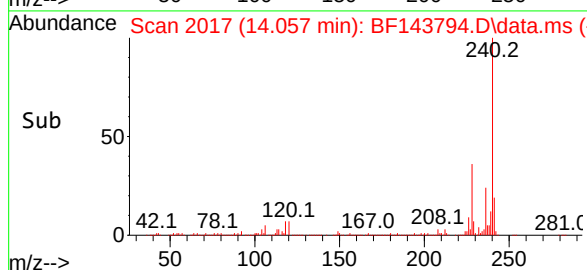
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

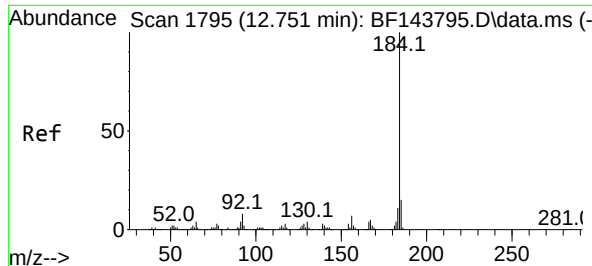


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 1717
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27



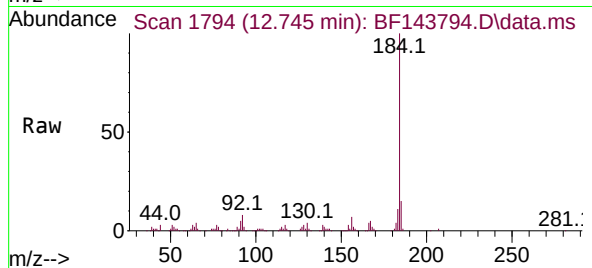
Tgt Ion:240 Resp: 394143
Ion Ratio Lower Upper
240 100
120 7.3 6.2 9.4
236 23.6 19.4 29.2





#77
Benzidine
Concen: 18.220 ng
RT: 12.745 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

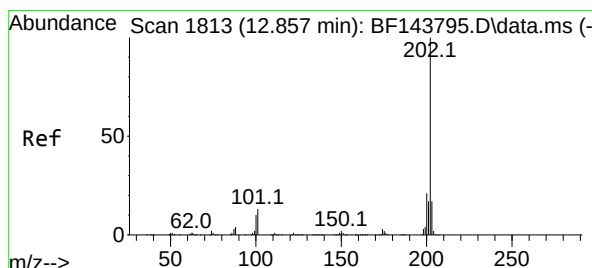
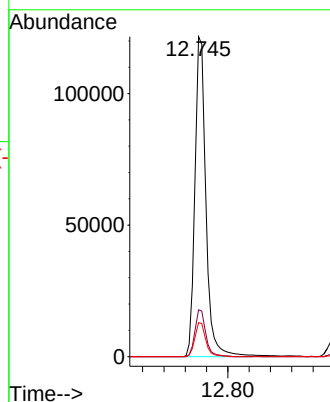
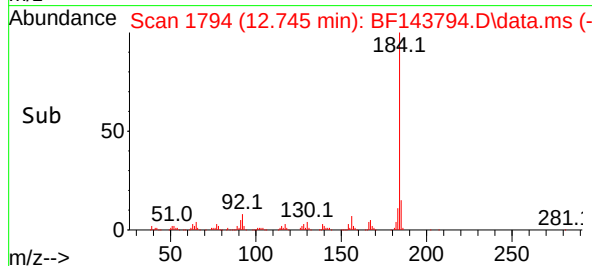
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:184 Resp: 174994
Ion Ratio Lower Upper
184 100
185 14.6 11.6 17.4
183 10.6 8.6 13.0

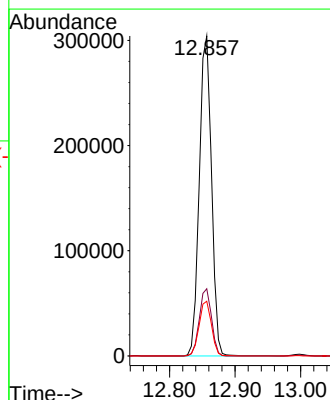
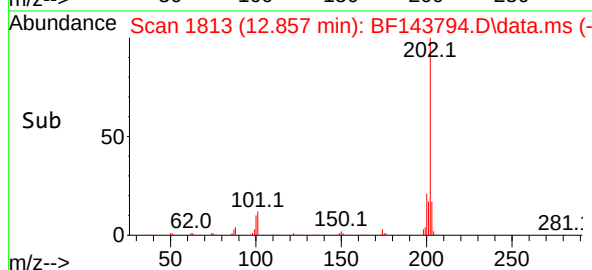
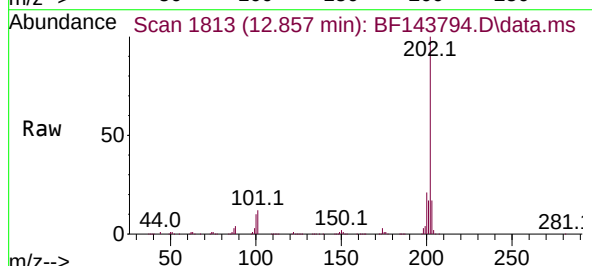
Manual Integrations
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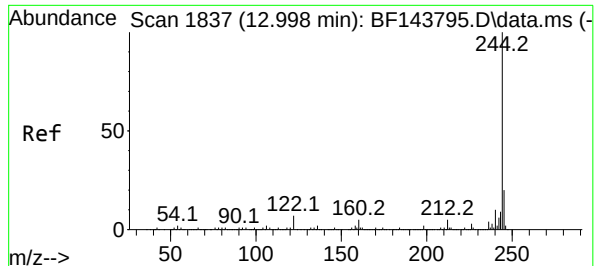
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#78
Pyrene
Concen: 20.153 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion:202 Resp: 390517
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.1 13.9 20.9





#79

Terphenyl-d14

Concen: 39.771 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143794.D

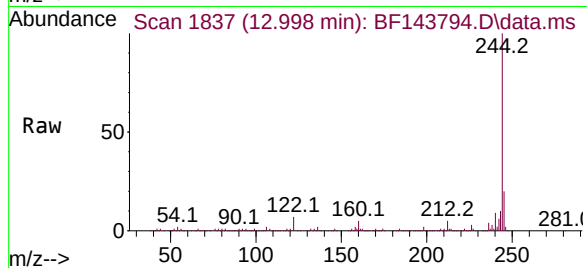
Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



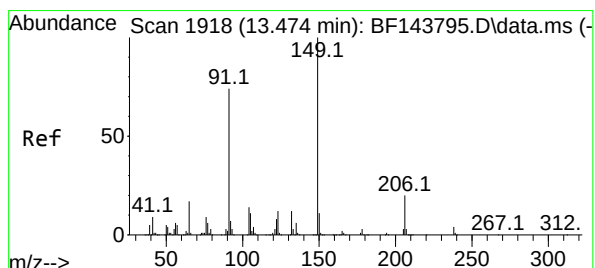
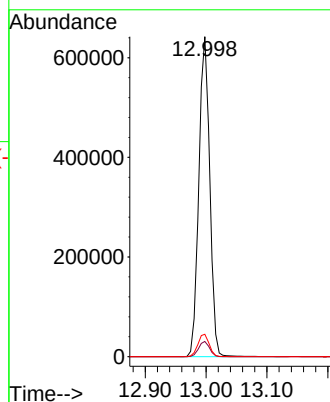
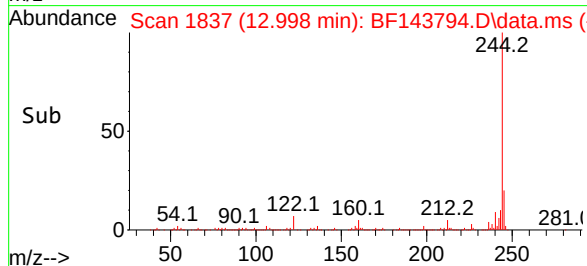
Tgt Ion:244	Resp: 798420
Ion Ratio	Lower Upper
244	100
212	4.7 3.9 5.9
122	7.0 5.6 8.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#80

Butylbenzylphthalate

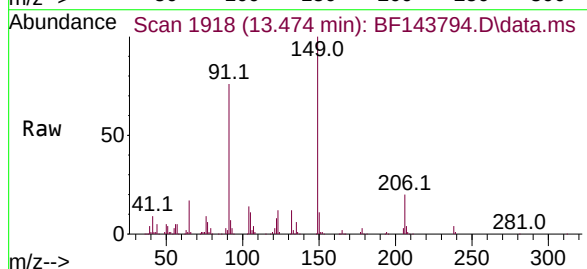
Concen: 19.666 ng

RT: 13.474 min Scan# 1918

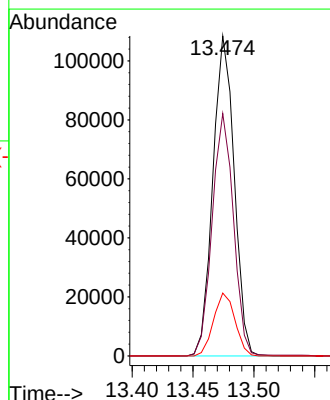
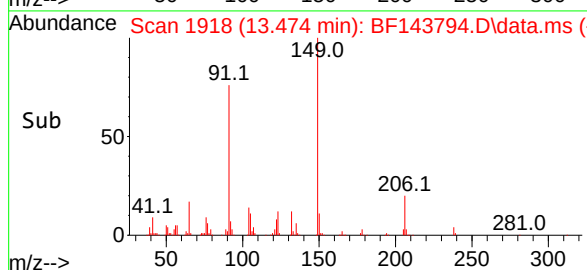
Delta R.T. -0.006 min

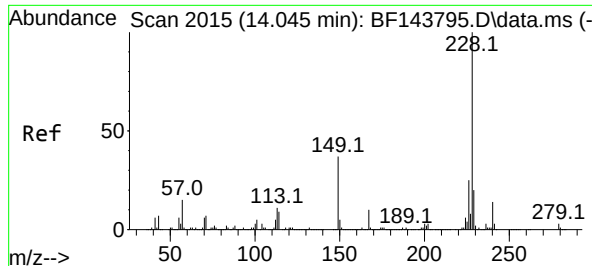
Lab File: BF143794.D

Acq: 23 Sep 2025 12:27



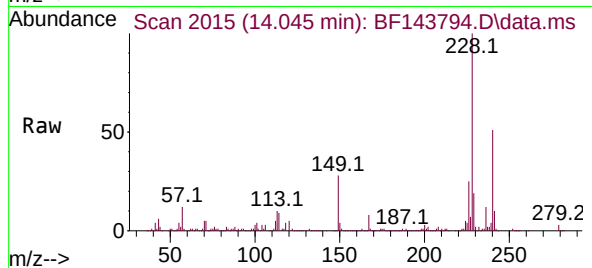
Tgt Ion:149	Resp: 131846
Ion Ratio	Lower Upper
149	100
91	75.7 59.5 89.3
206	19.6 16.1 24.1





#81
Benzo(a)anthracene
Concen: 20.153 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

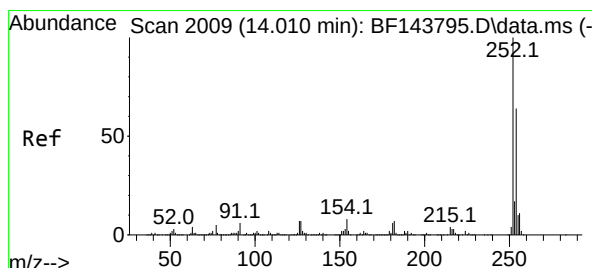
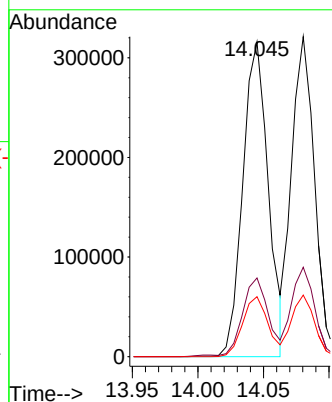
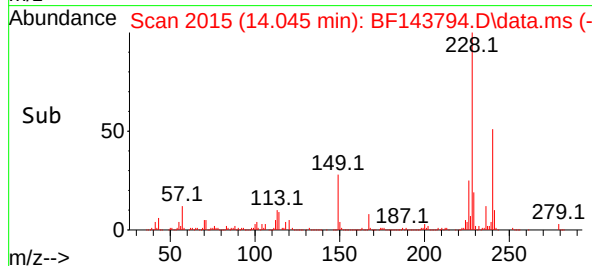
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 426715
Ion Ratio Lower Upper
228 100
226 25.0 20.2 30.2
229 19.0 16.1 24.1

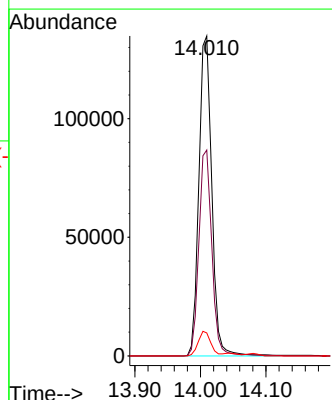
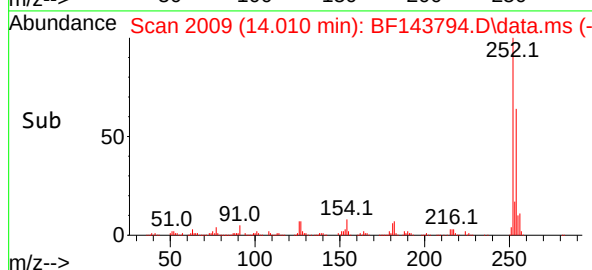
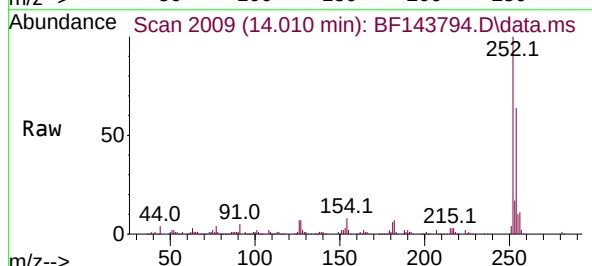
Manual Integrations
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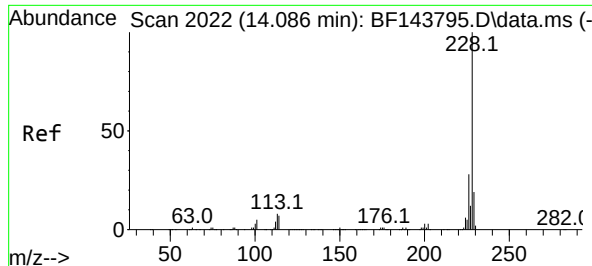
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#82
3,3'-Dichlorobenzidine
Concen: 19.974 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion:252 Resp: 183227
Ion Ratio Lower Upper
252 100
254 64.3 51.5 77.3
126 7.2 5.4 8.2





#83

Chrysene

Concen: 20.482 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143794.D

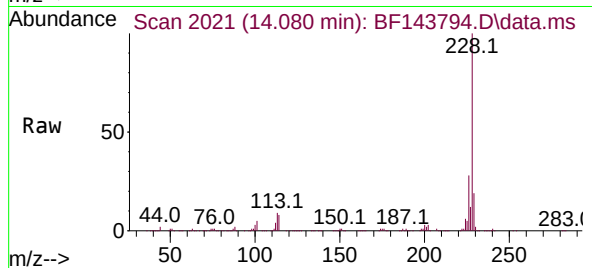
Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:228 Resp: 392431

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

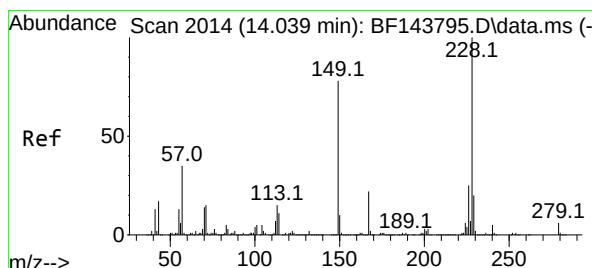
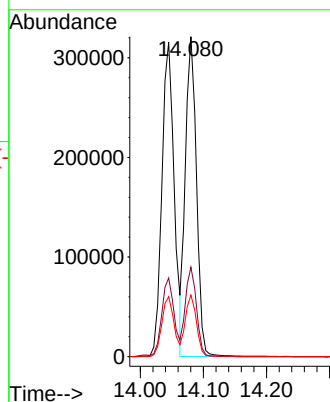
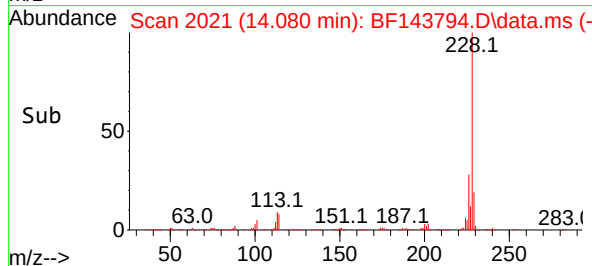
229 19.2 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.620 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

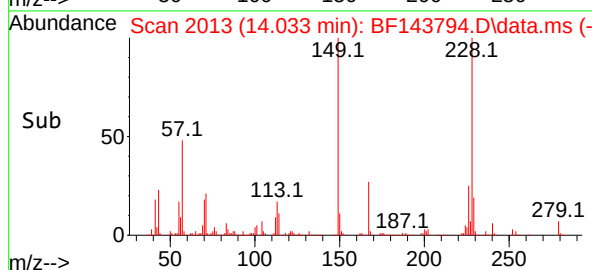
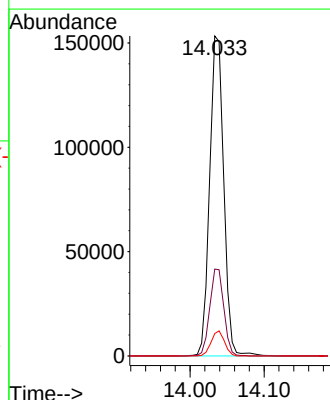
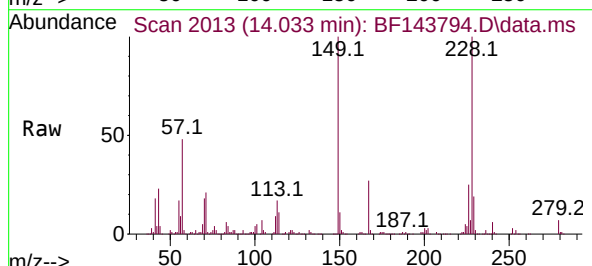
Tgt Ion:149 Resp: 202632

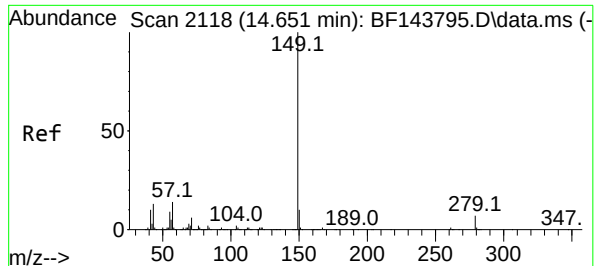
Ion Ratio Lower Upper

149 100

167 27.1 22.2 33.2

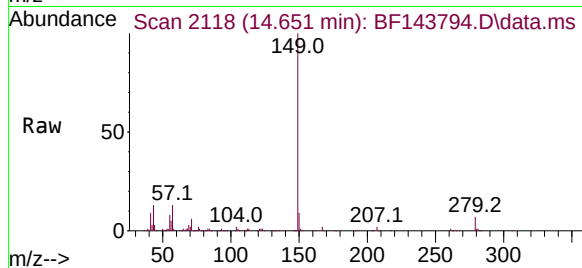
279 7.0 6.0 9.0





#85
Di-n-octyl phthalate
Concen: 19.397 ng
RT: 14.651 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

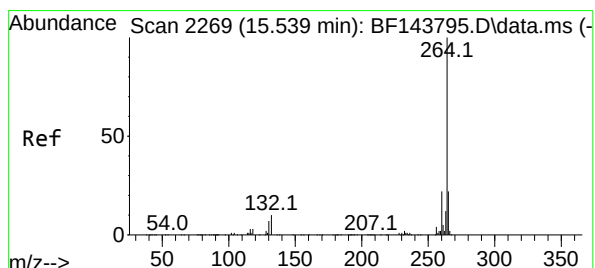
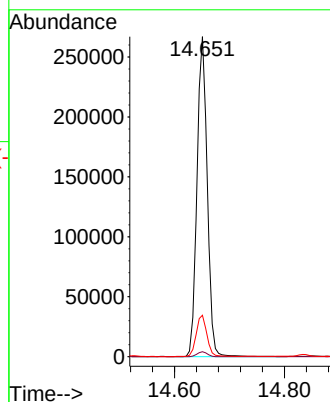
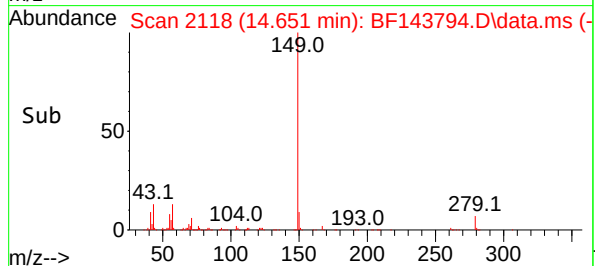
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 345751
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.6 10.7 16.1

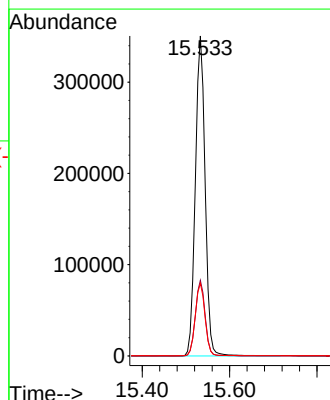
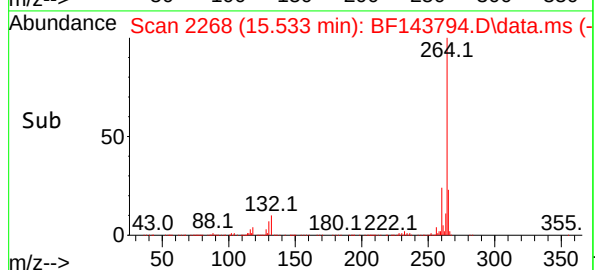
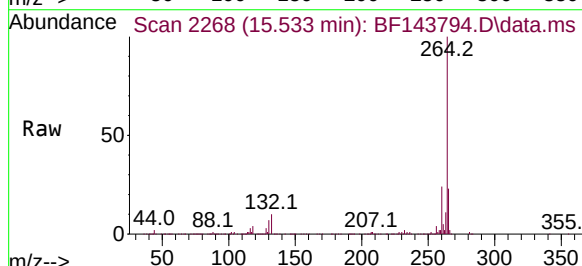
Manual Integrations
APPROVED

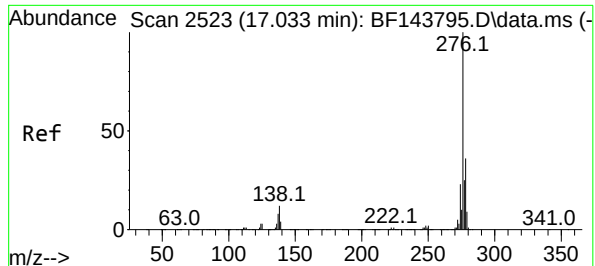
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

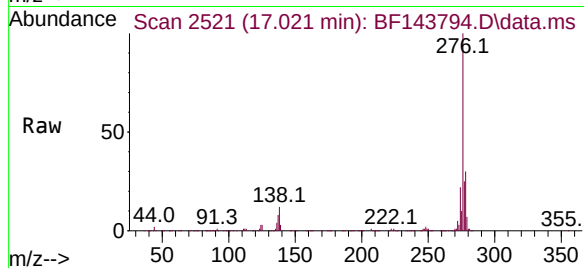
Tgt Ion:264 Resp: 545751
Ion Ratio Lower Upper
264 100
260 23.6 17.9 26.9
265 22.7 17.7 26.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.824 ng
RT: 17.021 min Scan# 2194
Delta R.T. -0.023 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

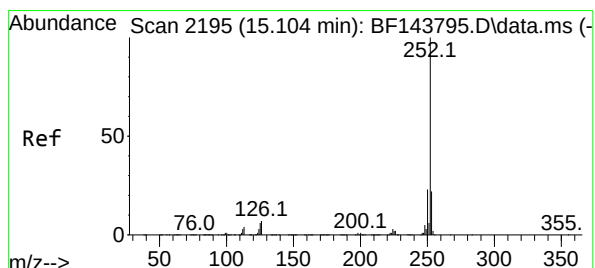
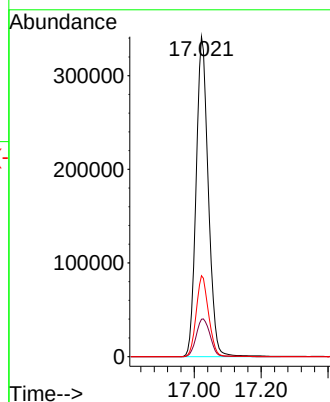
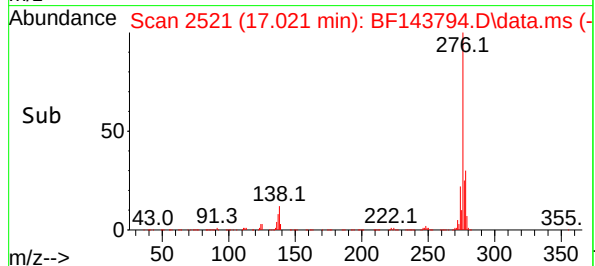
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:276 Resp: 862284
Ion Ratio Lower Upper
276 100
138 13.4 10.6 15.8
277 25.7 20.7 31.1

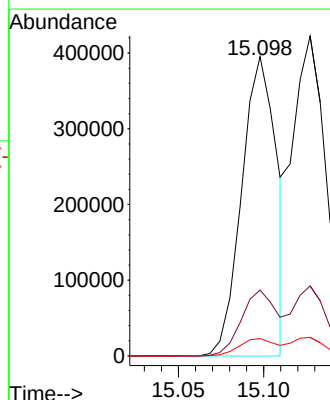
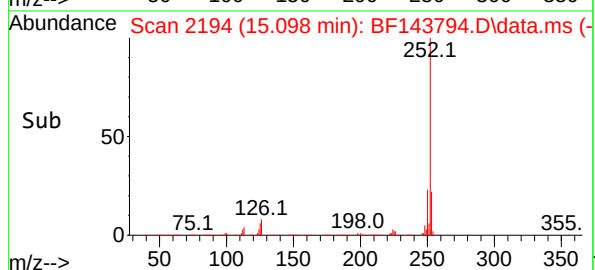
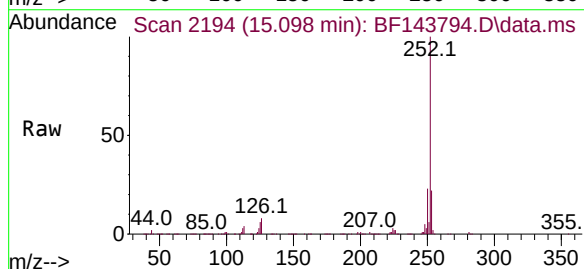
Manual Integrations
APPROVED

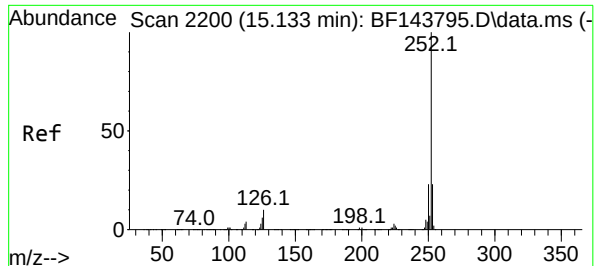
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#88
Benzo(b)fluoranthene
Concen: 20.215 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion:252 Resp: 561825
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 5.8 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 21.102 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143794.D

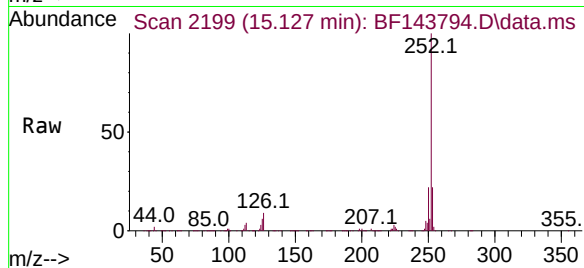
Acq: 23 Sep 2025 12:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:252 Resp: 58920

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

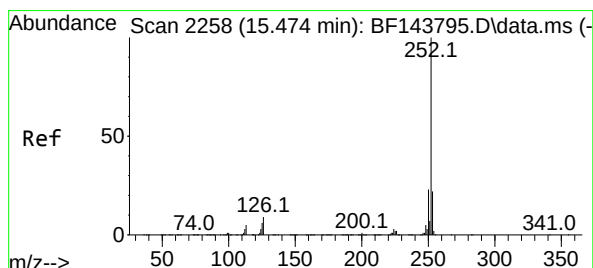
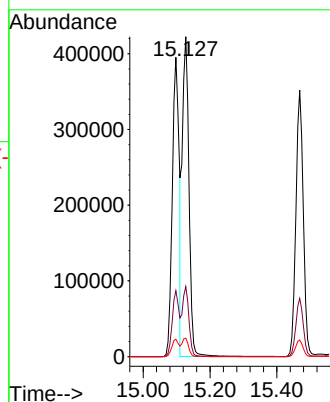
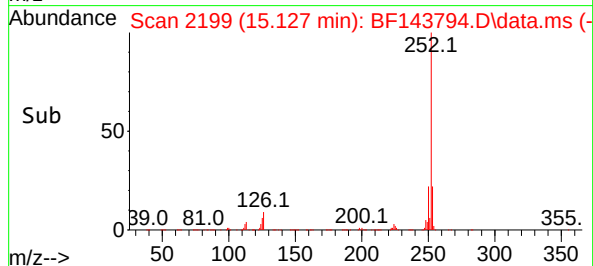
125 5.8 4.6 6.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#90

Benzo(a)pyrene

Concen: 20.654 ng

RT: 15.468 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF143794.D

Acq: 23 Sep 2025 12:27

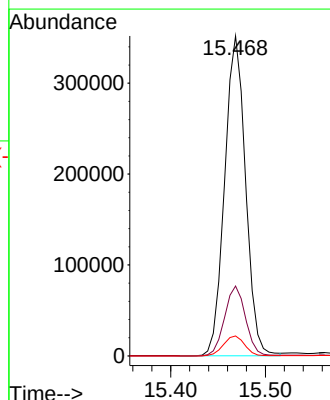
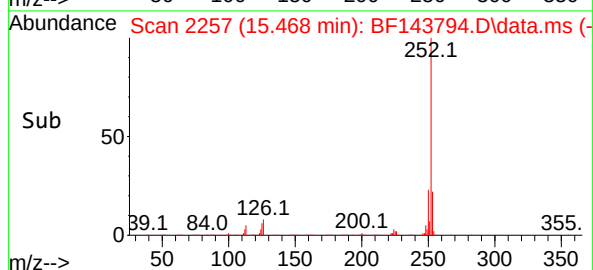
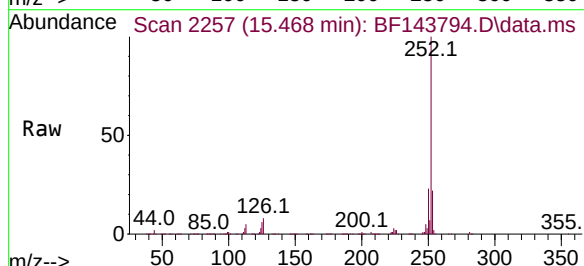
Tgt Ion:252 Resp: 539579

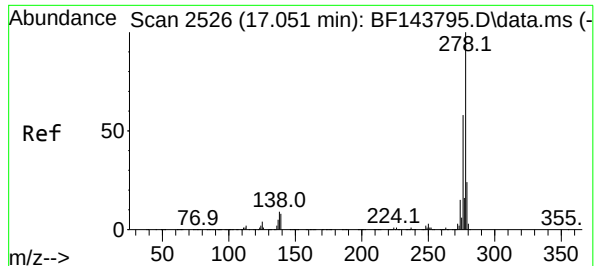
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

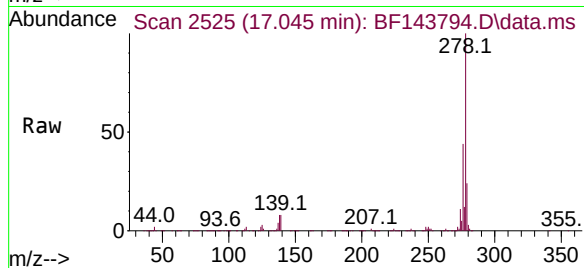
125 6.2 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 20.980 ng
RT: 17.045 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

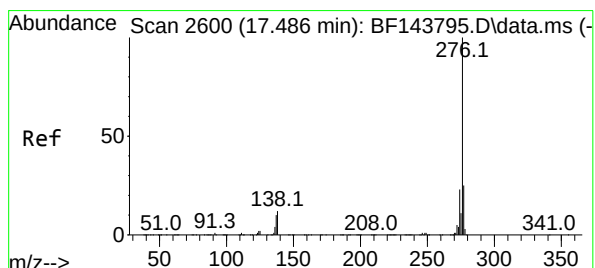
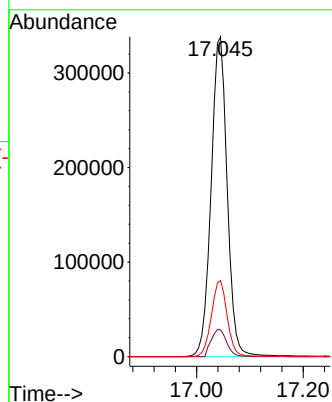
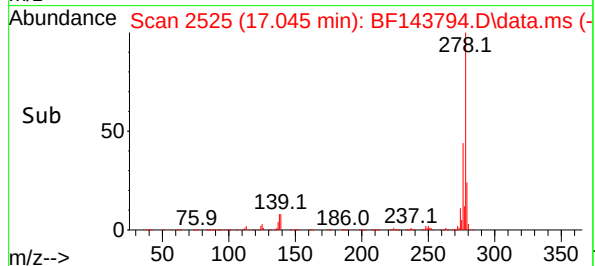
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:278 Resp: 710542
Ion Ratio Lower Upper
278 100
139 8.4 6.7 10.1
279 23.8 19.3 28.9

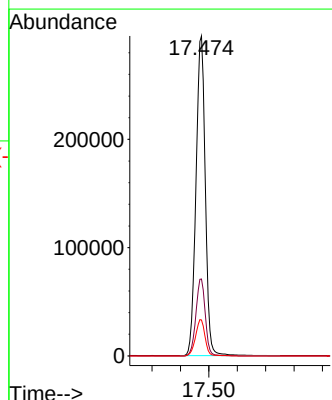
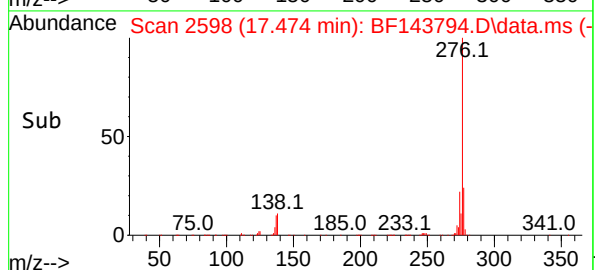
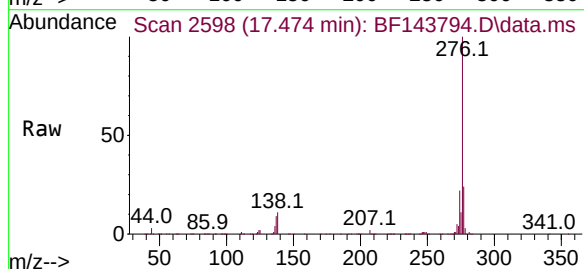
Manual Integrations
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Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#92
Benzo(g,h,i)perylene
Concen: 20.621 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.029 min
Lab File: BF143794.D
Acq: 23 Sep 2025 12:27

Tgt Ion:276 Resp: 673228
Ion Ratio Lower Upper
276 100
277 24.1 19.6 29.4
138 11.2 9.2 13.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143795.D
 Acq On : 23 Sep 2025 13:59
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 17:06:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	113314	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	405913	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	195477	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	304940	20.000	ng	0.00
76) Chrysene-d12	14.057	240	365989	20.000	ng	0.00
86) Perylene-d12	15.539	264	525577	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	602322	85.545	ng	0.00
7) Phenol-d6	6.504	99	690438	83.097	ng	0.00
23) Nitrobenzene-d5	7.445	82	573383	88.897	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	256232	91.848	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1056299	79.854	ng	0.00
79) Terphenyl-d14	12.998	244	1496108	80.257	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	144938	43.417	ng	100
3) Pyridine	3.399	79	390716	43.360	ng	100
4) n-Nitrosodimethylamine	3.340	42	192963	42.707	ng	100
6) Aniline	6.545	93	486101	41.561	ng	100
8) 2-Chlorophenol	6.669	128	302589	42.379	ng	100
9) Benzaldehyde	6.434	77	332514	47.119	ng	100
10) Phenol	6.516	94	396049m	42.282	ng	
11) bis(2-Chloroethyl)ether	6.616	93	309829	42.197	ng	100
12) 1,3-Dichlorobenzene	6.828	146	350005	42.220	ng	100
13) 1,4-Dichlorobenzene	6.904	146	348233	42.092	ng	100
14) 1,2-Dichlorobenzene	7.057	146	328481	41.922	ng	100
15) Benzyl Alcohol	7.022	79	246535	42.340	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	732266	42.058	ng	100
17) 2-Methylphenol	7.128	107	231425	41.866	ng	100
18) Hexachloroethane	7.398	117	123042	42.290	ng	100
19) n-Nitroso-di-n-propyla...	7.292	70	207240	39.992	ng	100
20) 3+4-Methylphenols	7.281	107	288081	42.795	ng	100
22) Acetophenone	7.292	105	375588	42.128	ng	100
24) Nitrobenzene	7.463	77	315613	42.939	ng	100
25) Isophorone	7.704	82	546218	42.269	ng	100
26) 2-Nitrophenol	7.781	139	120369	40.347	ng	100
27) 2,4-Dimethylphenol	7.810	122	246324	42.648	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	354402	42.213	ng	100
29) 2,4-Dichlorophenol	8.022	162	242031	42.587	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	250976	42.554	ng	100
31) Naphthalene	8.192	128	814068	41.894	ng	100
32) Benzoic acid	7.892	122	114033	40.921	ng	100
33) 4-Chloroaniline	8.233	127	288280	42.217	ng	100
34) Hexachlorobutadiene	8.310	225	188867	42.957	ng	100
35) Caprolactam	8.586	113	60592	41.712	ng	100
36) 4-Chloro-3-methylphenol	8.710	107	224136	42.051	ng	100
37) 2-Methylnaphthalene	8.881	142	515616	41.614	ng	100
38) 1-Methylnaphthalene	8.981	142	496939	41.901	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	245432	41.605	ng	100
41) Hexachlorocyclopentadiene	9.033	237	163505	43.733	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	164818	44.620	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143795.D
 Acq On : 23 Sep 2025 13:59
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 17:06:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	165369	42.801	ng	100
46) 1,1'-Biphenyl	9.345	154	584522	41.309	ng	100
47) 2-Chloronaphthalene	9.369	162	474899	41.694	ng	100
48) 2-Nitroaniline	9.463	65	156231	45.383	ng	100
49) Acenaphthylene	9.786	152	660923	42.150	ng	100
50) Dimethylphthalate	9.639	163	502623	42.186	ng	100
51) 2,6-Dinitrotoluene	9.704	165	89151	45.543	ng	100
52) Acenaphthene	9.957	154	433748	42.036	ng	100
53) 3-Nitroaniline	9.869	138	110739	46.671	ng	100
54) 2,4-Dinitrophenol	9.975	184	24685	41.301	ng	100
55) Dibenzofuran	10.128	168	610393	41.833	ng	100
56) 4-Nitrophenol	10.016	139	81189	42.462	ng	100
57) 2,4-Dinitrotoluene	10.104	165	120114	41.745	ng	100
58) Fluorene	10.475	166	448265	41.324	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	145681	44.013	ng	100
60) Diethylphthalate	10.345	149	473302	42.438	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	230643	41.729	ng	100
62) 4-Nitroaniline	10.480	138	103193	46.254	ng	100
63) Azobenzene	10.627	77	499929	42.532	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	42447	40.163	ng	100
66) n-Nitrosodiphenylamine	10.580	169	416100	41.492	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	219921	42.319	ng	100
68) Hexachlorobenzene	11.022	284	300364	41.941	ng	100
69) Atrazine	11.104	200	128423	44.222	ng	100
70) Pentachlorophenol	11.210	266	156073	43.781	ng	100
71) Phenanthrene	11.439	178	660040	42.160	ng	100
72) Anthracene	11.486	178	660736	42.075	ng	100
73) Carbazole	11.639	167	595454	43.368	ng	100
74) Di-n-butylphthalate	11.974	149	705755	44.694	ng	100
75) Fluoranthene	12.627	202	697899	44.322	ng	100
77) Benzidine	12.751	184	374182	41.956	ng	100
78) Pyrene	12.857	202	735401	40.870	ng	100
80) Butylbenzylphthalate	13.474	149	286527	46.027	ng	100
81) Benzo(a)anthracene	14.045	228	840188	42.732	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	363730	42.702	ng	100
83) Chrysene	14.086	228	744962	41.873	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	408417	44.759	ng	100
85) Di-n-octyl phthalate	14.651	149	741702	44.811	ng	100
87) Indeno(1,2,3-cd)pyrene	17.033	276	1690390	42.389	ng	100
88) Benzo(b)fluoranthene	15.104	252	1160651	43.365	ng	100
89) Benzo(k)fluoranthene	15.133	252	1144789	42.573	ng	100
90) Benzo(a)pyrene	15.474	252	1079512	42.908	ng	100
91) Dibenzo(a,h)anthracene	17.051	278	1399884	42.920	ng	100
92) Benzo(g,h,i)perylene	17.486	276	1344334	42.757	ng	100

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

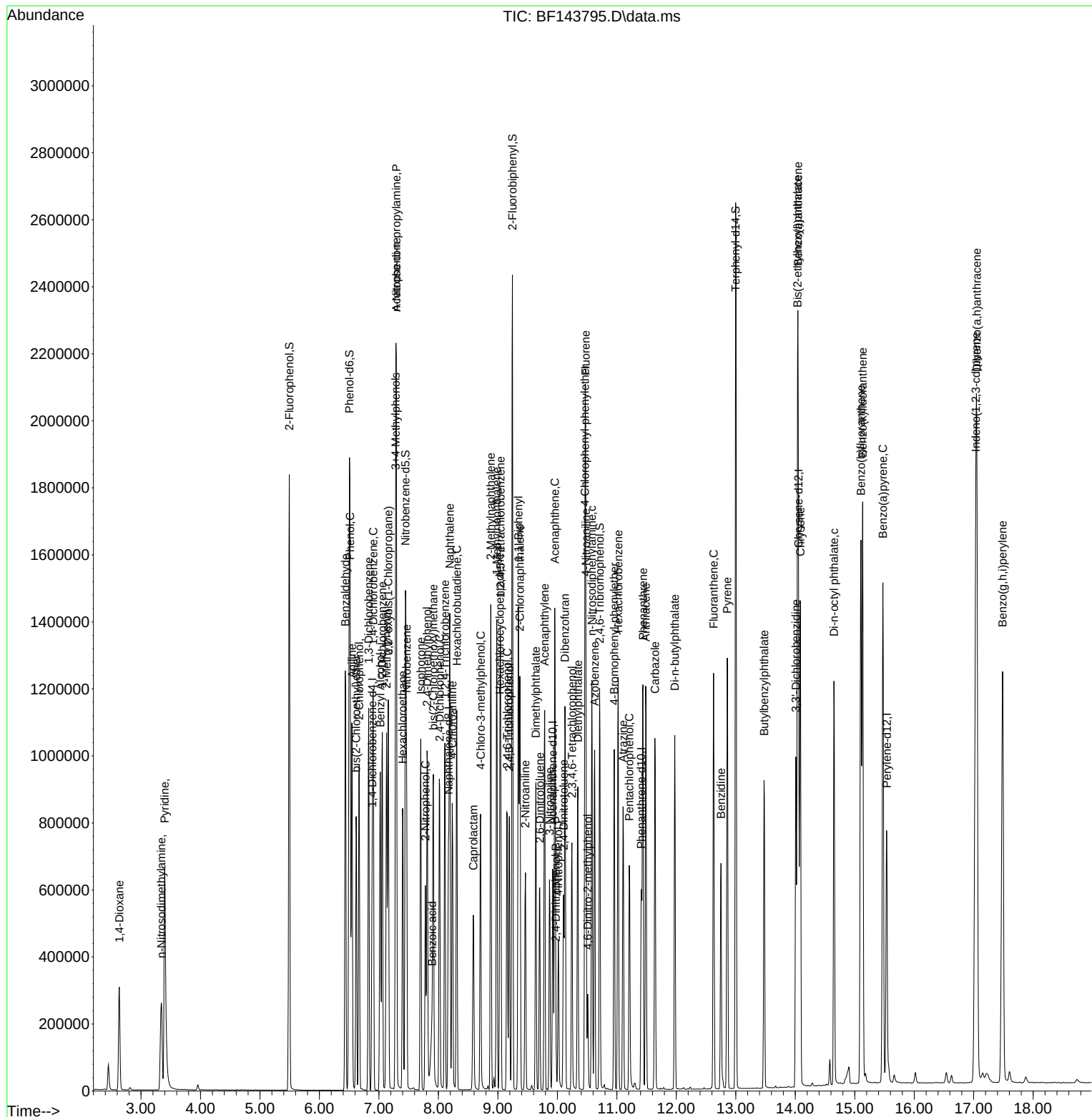
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Data File : BF143795.D
Acq On : 23 Sep 2025 13:59
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

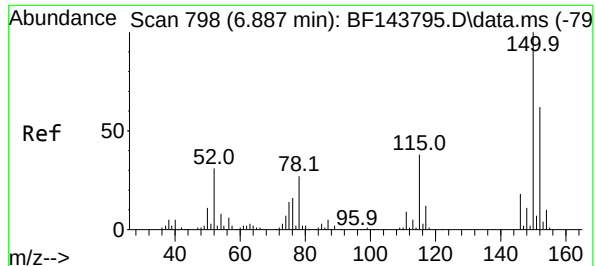
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

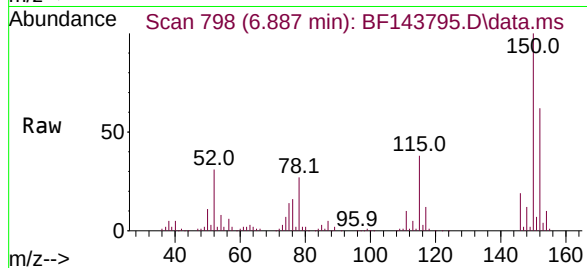
Quant Time: Sep 23 17:06:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:31:21 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

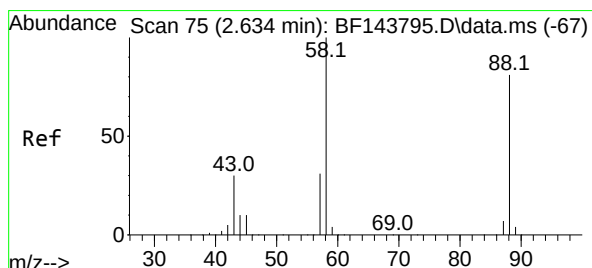
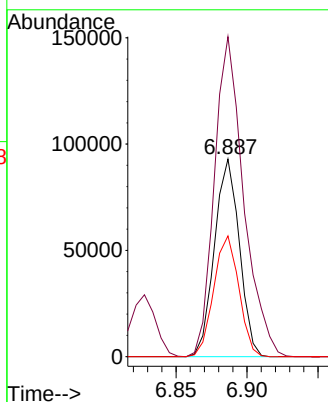
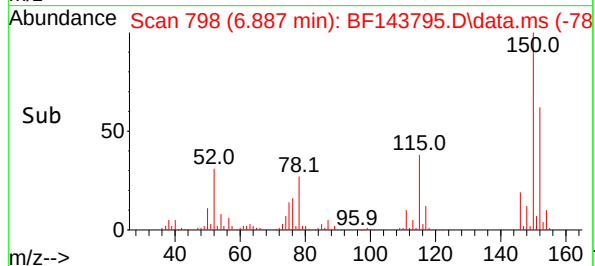
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:152 Resp: 113314
Ion Ratio Lower Upper
152 100
150 162.0 129.6 194.4
115 61.2 49.0 73.4

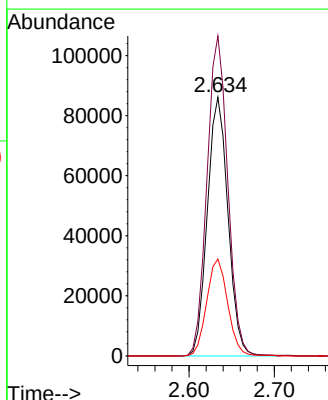
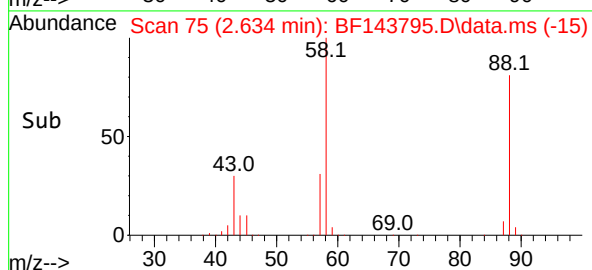
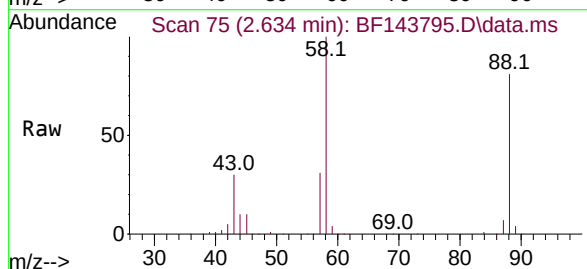
Manual Integrations
APPROVED

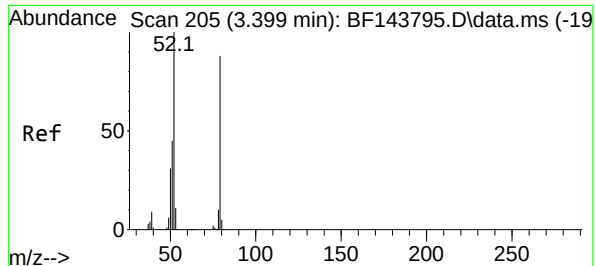
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#2
1,4-Dioxane
Concen: 43.417 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

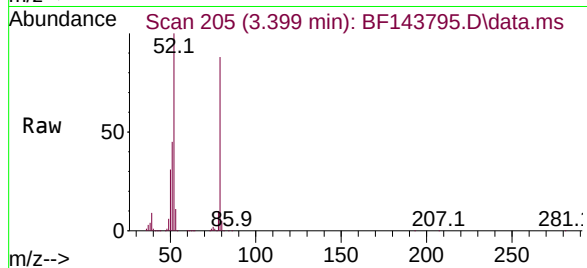
Tgt Ion: 88 Resp: 144938
Ion Ratio Lower Upper
88 100
58 124.3 99.4 149.2
43 38.2 30.6 45.8





#3
Pyridine
Concen: 43.360 ng
RT: 3.399 min Scan# 205
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

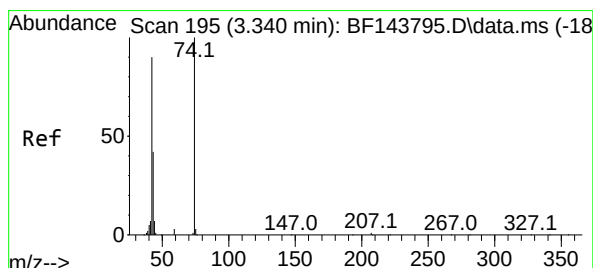
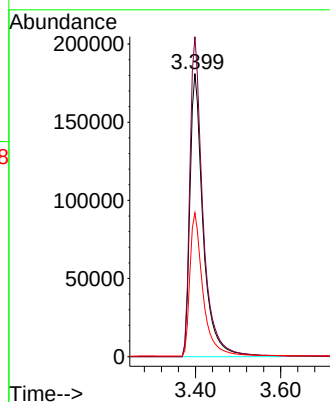
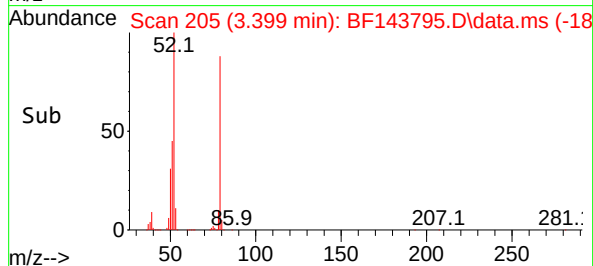
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 79 Resp: 390716
Ion Ratio Lower Upper
79 100
52 113.1 90.5 135.7
51 50.8 40.6 61.0

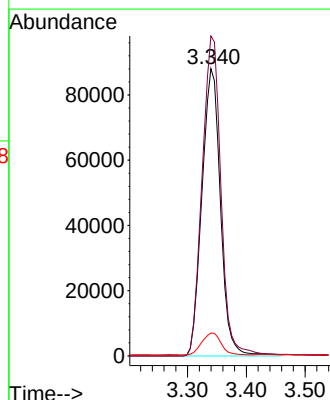
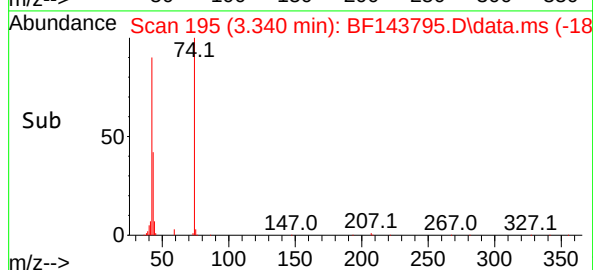
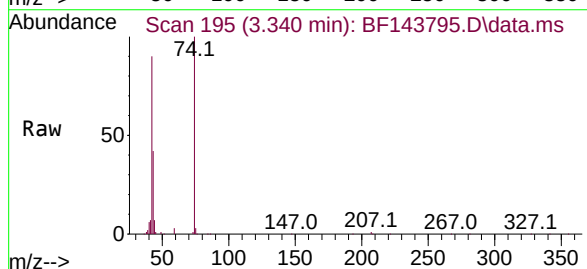
Manual Integrations
APPROVED

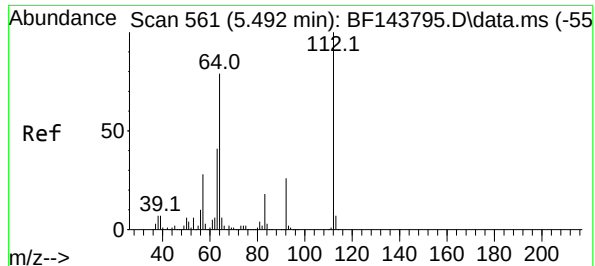
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#4
n-Nitrosodimethylamine
Concen: 42.707 ng
RT: 3.340 min Scan# 195
Delta R.T. -0.018 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion: 42 Resp: 192963
Ion Ratio Lower Upper
42 100
74 111.4 89.1 133.7
44 8.0 6.4 9.6





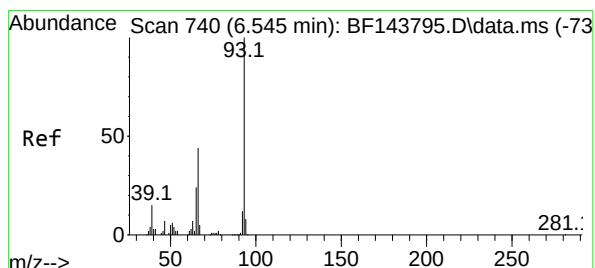
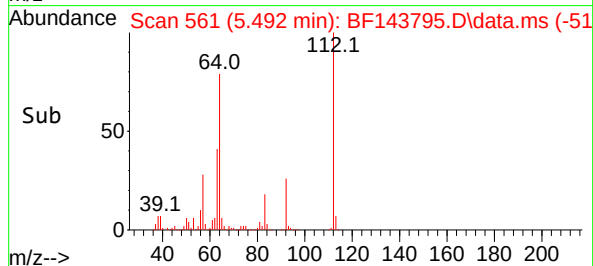
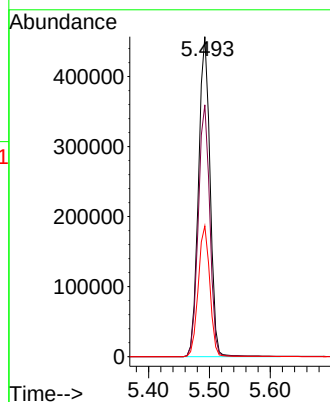
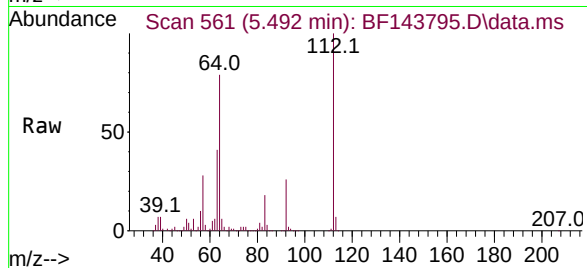
#5
2-Fluorophenol
Concen: 85.545 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 112 Resp: 602322
Ion Ratio Lower Upper
112 100
64 78.7 63.0 94.4
63 40.8 32.6 49.0

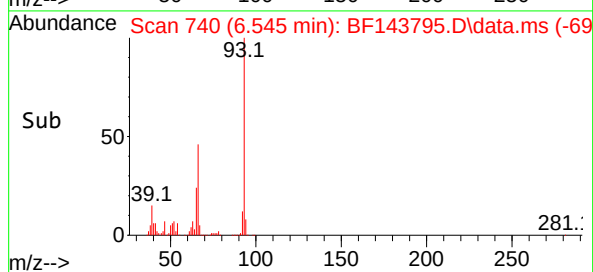
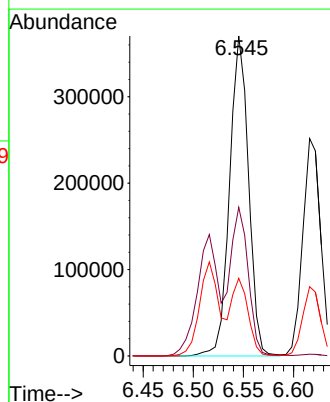
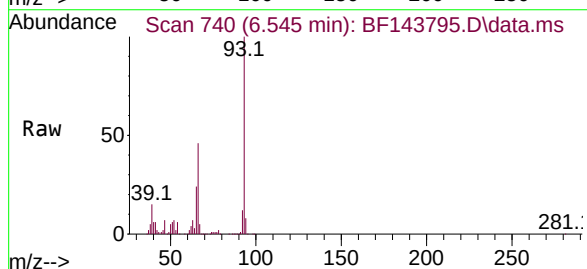
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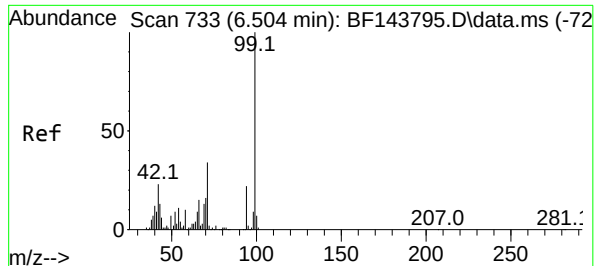
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#6
Aniline
Concen: 41.561 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion: 93 Resp: 486101
Ion Ratio Lower Upper
93 100
66 46.4 37.1 55.7
65 24.2 19.4 29.0





#7

Phenol-d6

Concen: 83.097 ng

RT: 6.504 min Scan# 733

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 690438

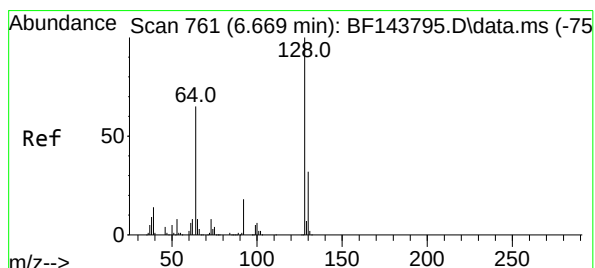
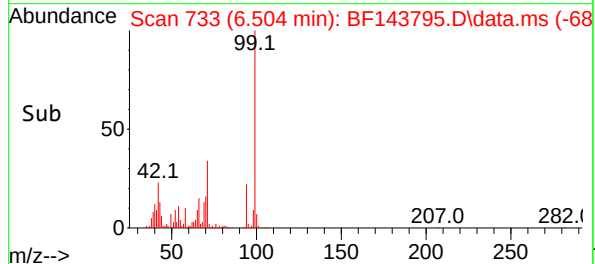
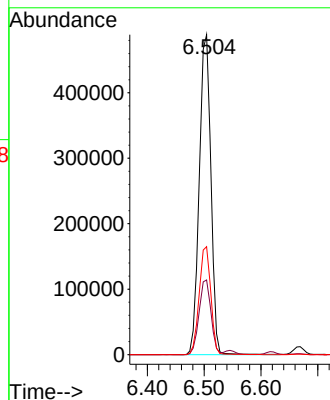
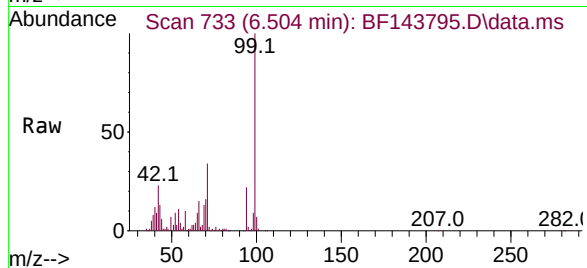
Ion	Ratio	Lower	Upper
99	100		
42	23.3	18.6	28.0
71	33.7	27.0	40.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#8

2-Chlorophenol

Concen: 42.379 ng

RT: 6.669 min Scan# 761

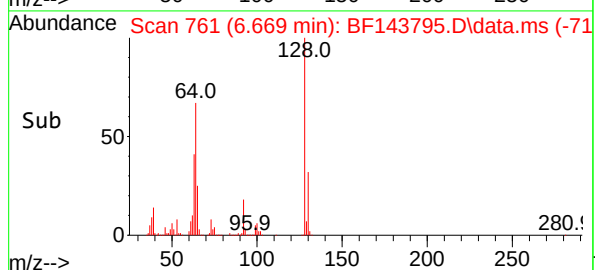
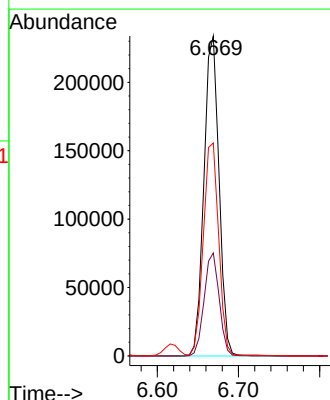
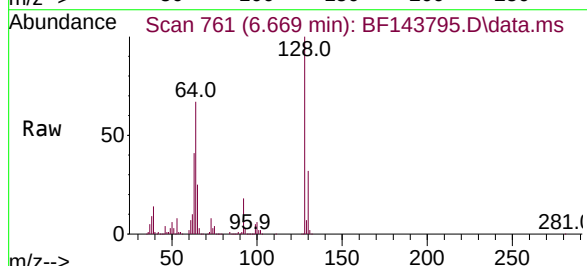
Delta R.T. 0.000 min

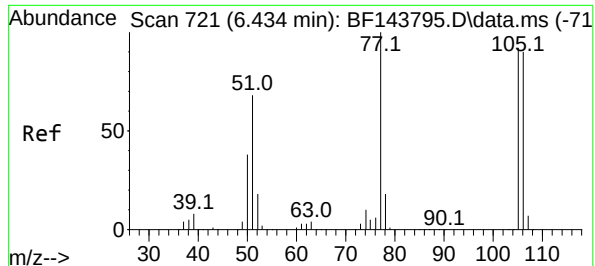
Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Tgt Ion:128 Resp: 302589

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.2	52.2
64	66.5	46.5	86.5





#9

Benzaldehyde

Concen: 47.119 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 332514

Ion Ratio Lower Upper

77 100

105 91.8 71.8 111.8

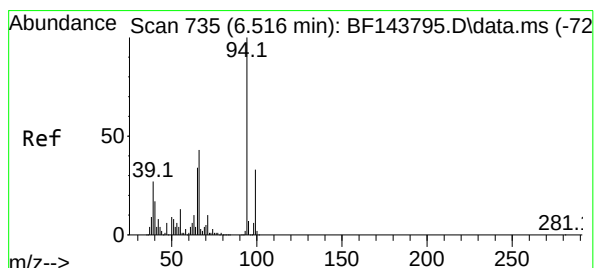
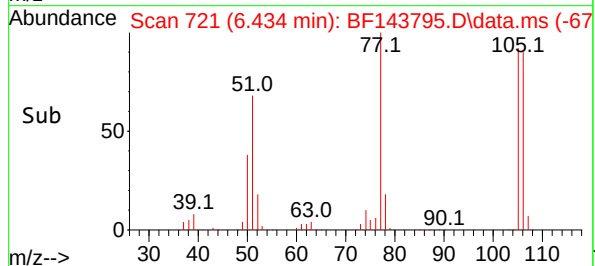
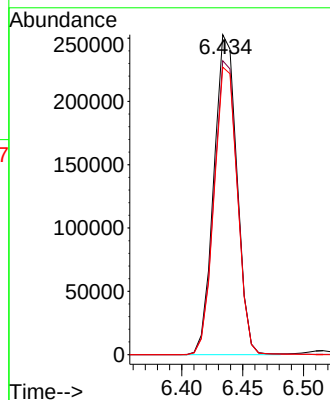
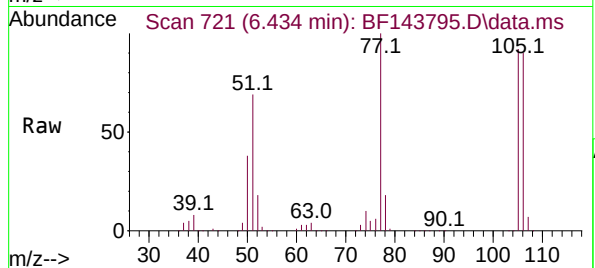
106 89.8 69.8 109.8

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#10

Phenol

Concen: 42.282 ng m

RT: 6.516 min Scan# 735

Delta R.T. -0.012 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

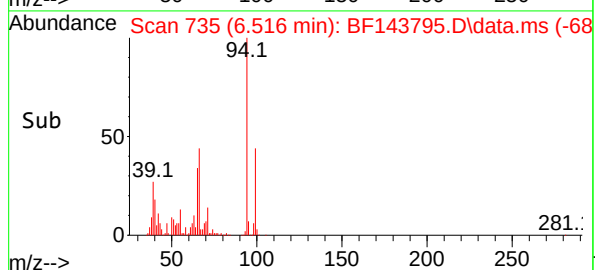
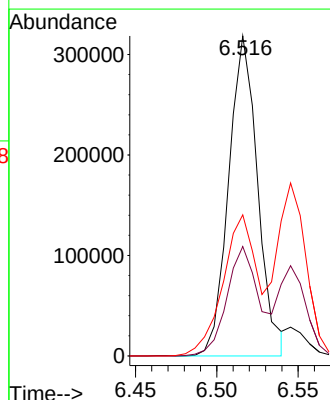
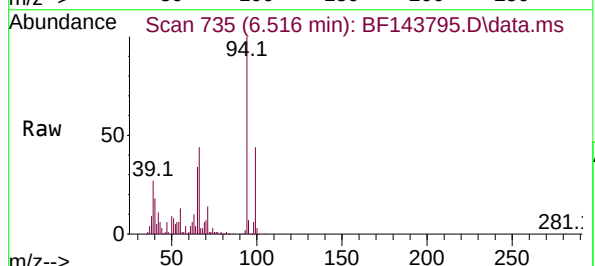
Tgt Ion: 94 Resp: 396049

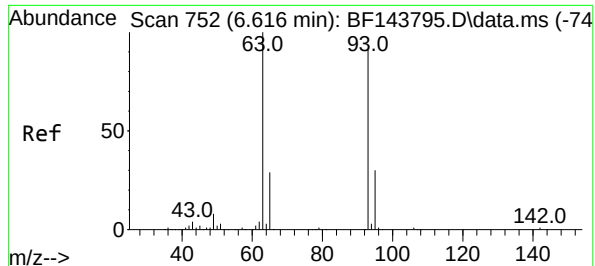
Ion Ratio Lower Upper

94 100

65 34.2 14.2 54.2

66 44.1 24.1 64.1





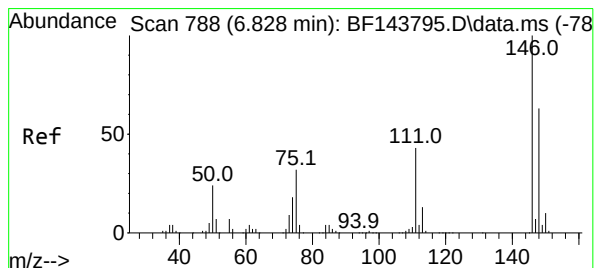
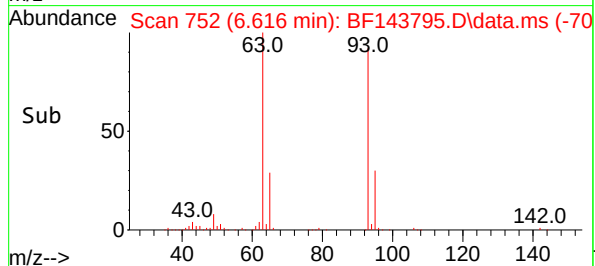
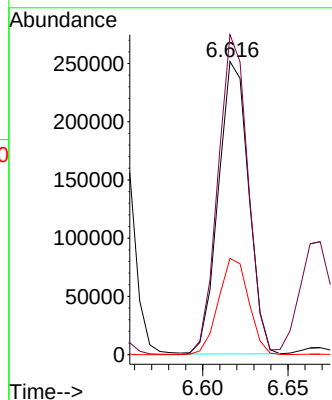
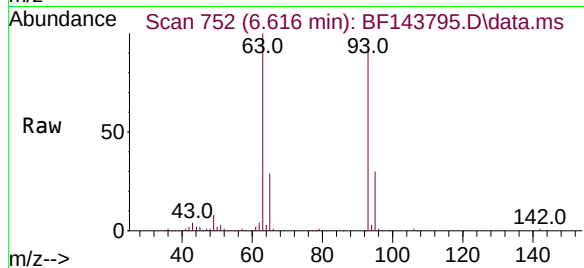
#11
bis(2-Chloroethyl)ether
Concen: 42.197 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Instrument :
BNA_F
Client Sample Id :
SSTDICCC040

Tgt Ion: 93 Resp: 309829
Ion Ratio Lower Upper
93 100
63 109.2 89.2 129.2
95 32.9 12.9 52.9

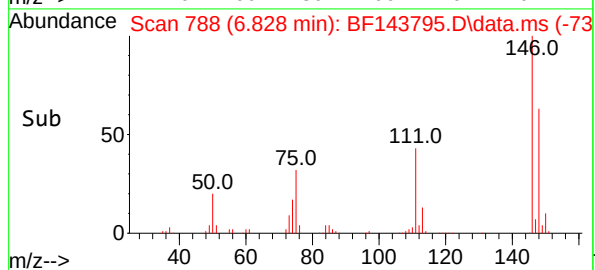
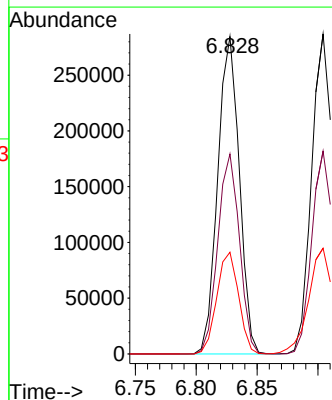
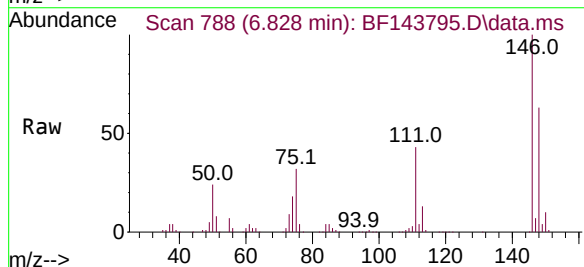
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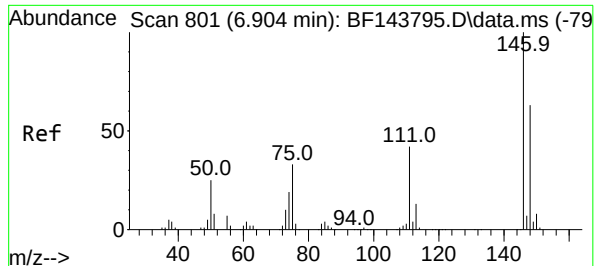
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#12
1,3-Dichlorobenzene
Concen: 42.220 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion:146 Resp: 350005
Ion Ratio Lower Upper
146 100
148 63.0 50.4 75.6
75 32.0 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 42.092 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 348233

Ion Ratio Lower Upper

146 100

148 63.4 50.7 76.1

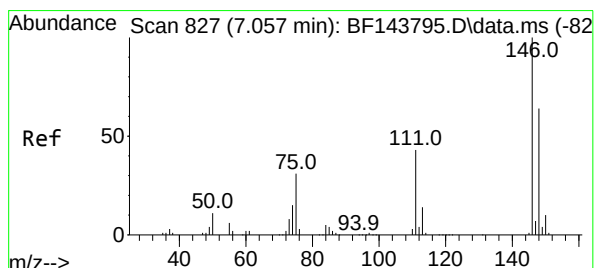
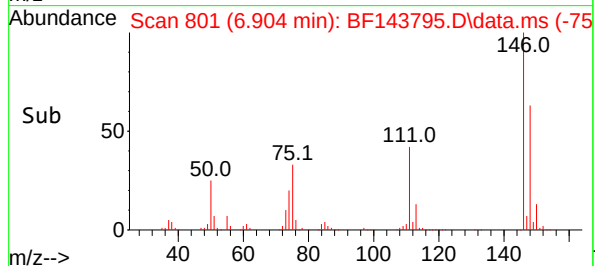
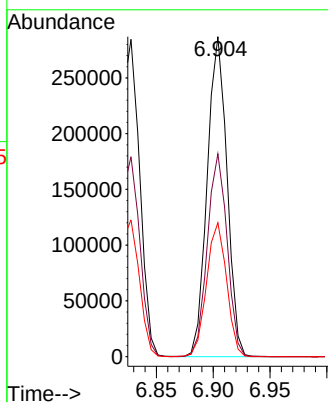
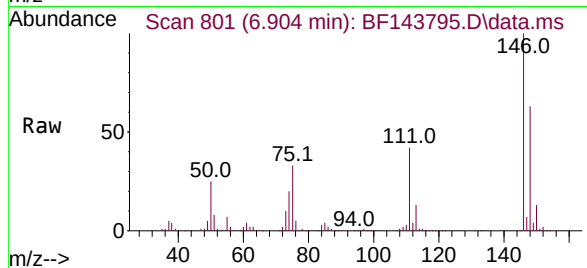
111 41.8 33.4 50.2

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#14

1,2-Dichlorobenzene

Concen: 41.922 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

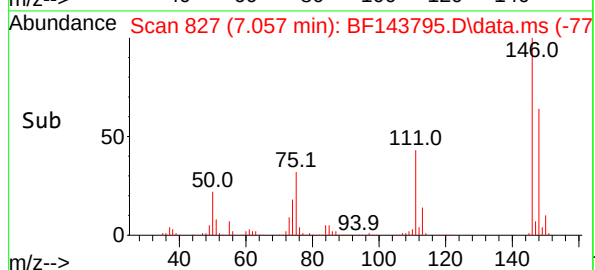
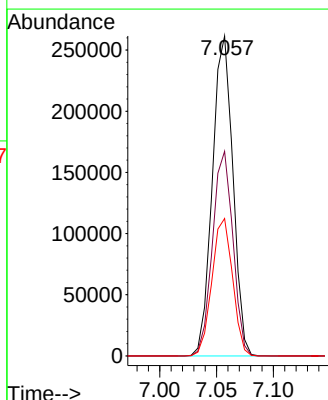
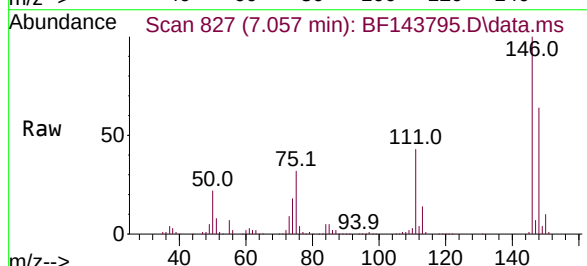
Tgt Ion:146 Resp: 328481

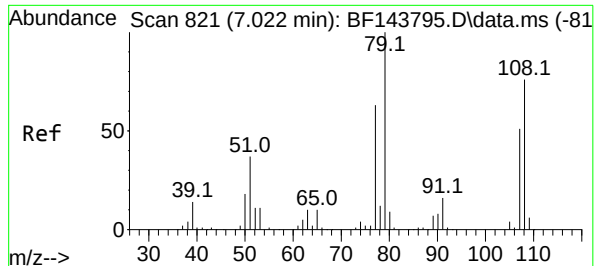
Ion Ratio Lower Upper

146 100

148 63.9 51.1 76.7

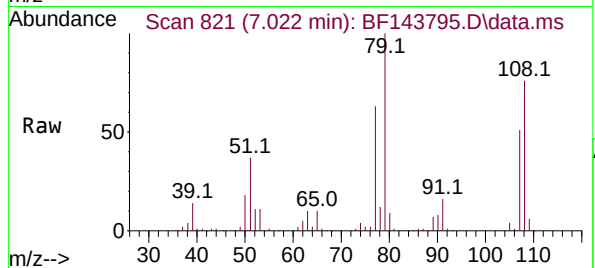
111 42.9 34.3 51.5





#15
Benzyl Alcohol
Concen: 42.340 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

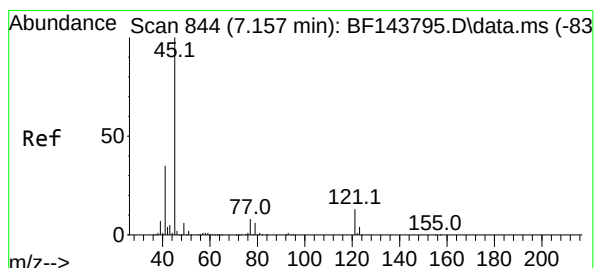
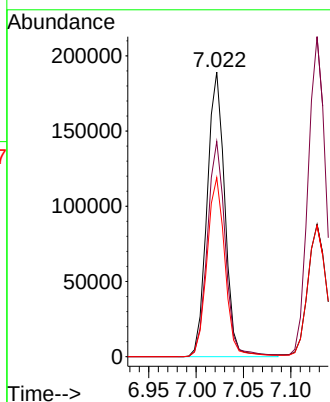
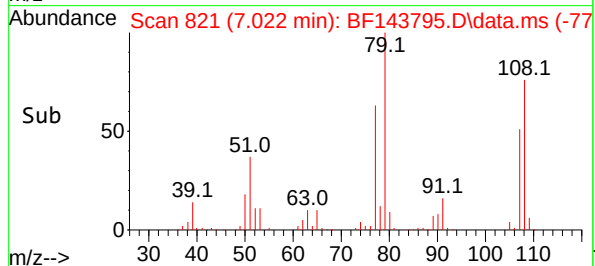
Instrument :
BNA_F
Client SampleId :
SSTDICCC040



Tgt Ion: 79 Resp: 246535
Ion Ratio Lower Upper
79 100
108 75.6 60.5 90.7
77 62.9 50.3 75.5

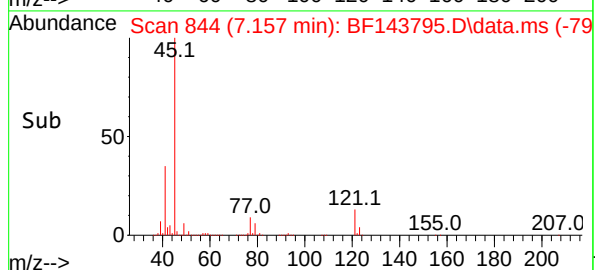
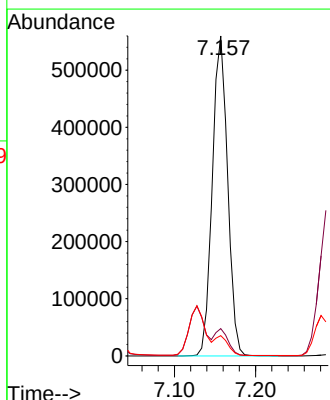
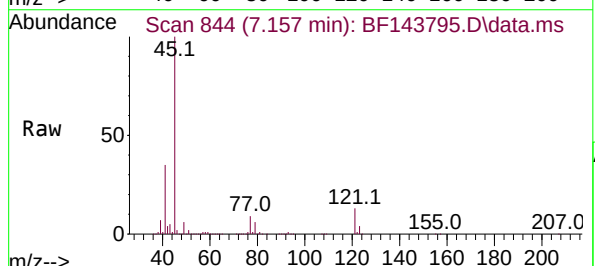
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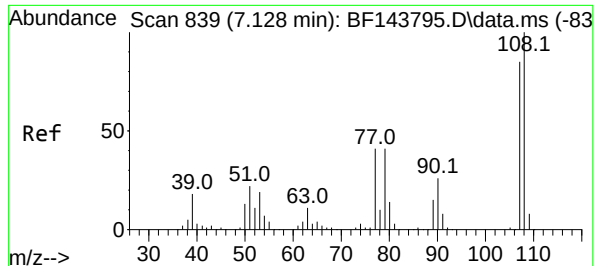
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.058 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

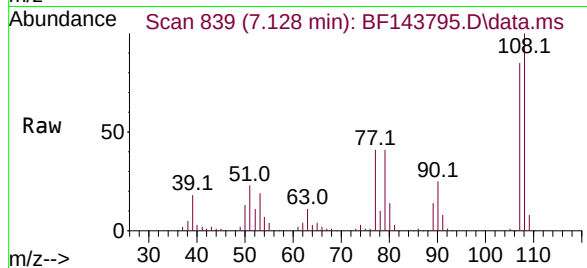
Tgt Ion: 45 Resp: 732266
Ion Ratio Lower Upper
45 100
77 8.5 0.0 28.5
79 6.3 0.0 26.3





#17
2-Methylphenol
Concen: 41.866 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

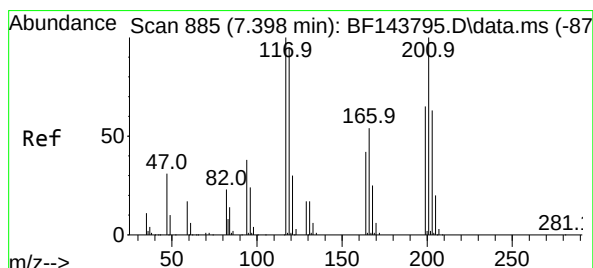
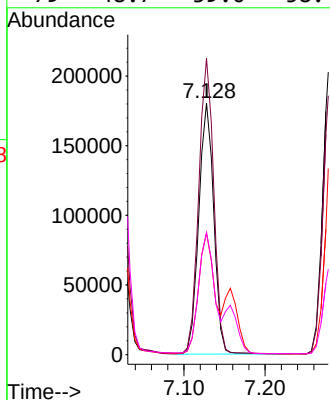
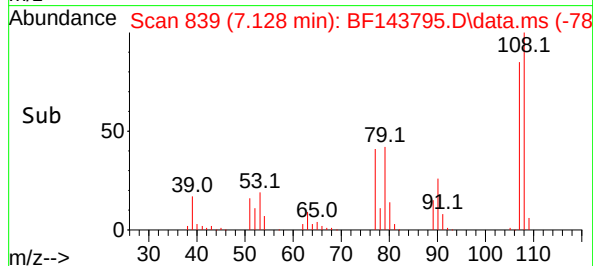
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



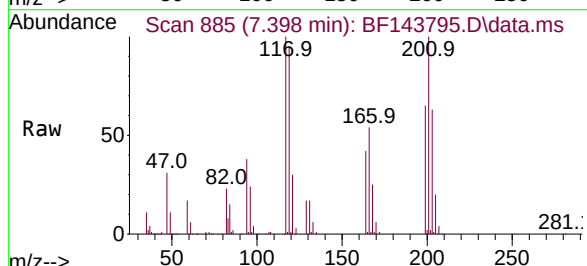
Tgt Ion:107 Resp: 231425
Ion Ratio Lower Upper
107 100
108 117.8 94.2 141.4
77 48.3 38.6 58.0
79 48.7 39.0 58.4

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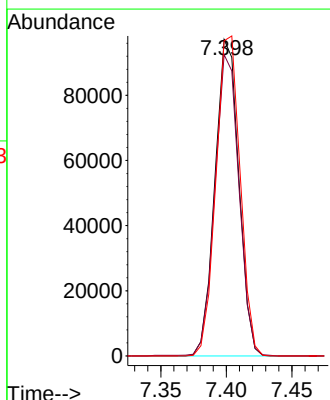
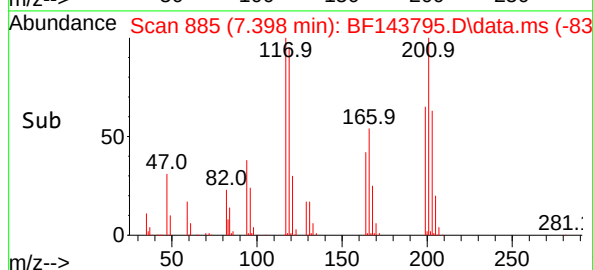
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

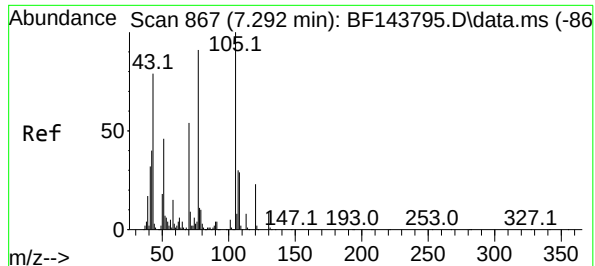


#18
Hexachloroethane
Concen: 42.290 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59



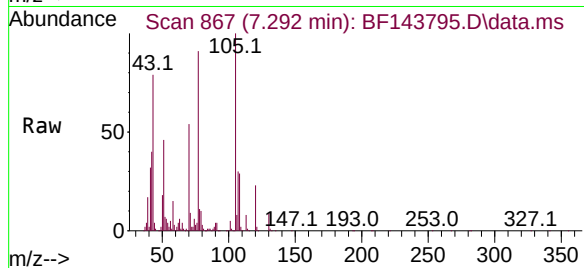
Tgt Ion:117 Resp: 123042
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2
201 99.6 79.7 119.5





#19
n-Nitroso-di-n-propylamine
Concen: 39.992 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

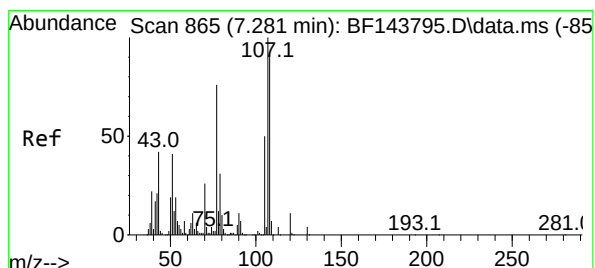
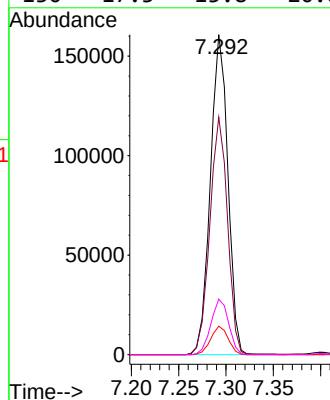
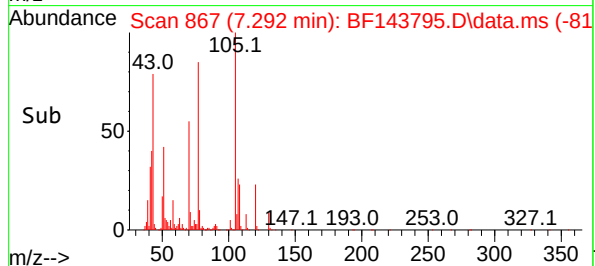
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



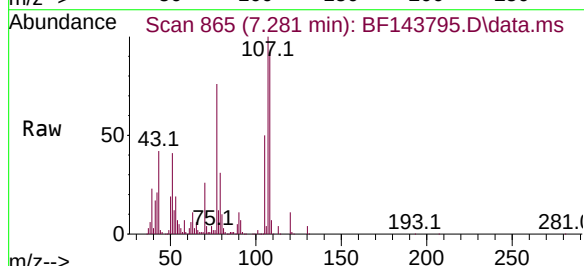
Tgt Ion: 70 Resp: 207240
Ion Ratio Lower Upper
70 100
42 74.2 59.4 89.0
101 8.9 7.1 10.7
130 17.3 13.8 20.8

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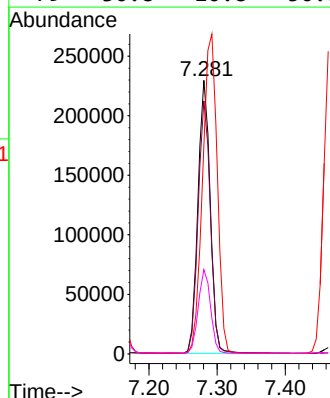
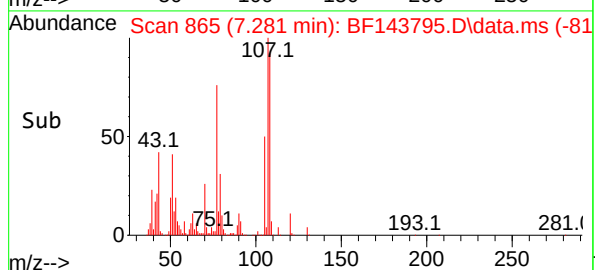
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

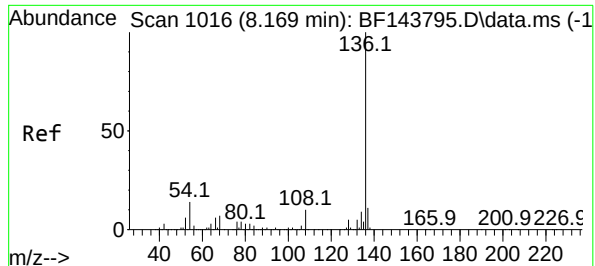


#20
3+4-Methylphenols
Concen: 42.795 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59



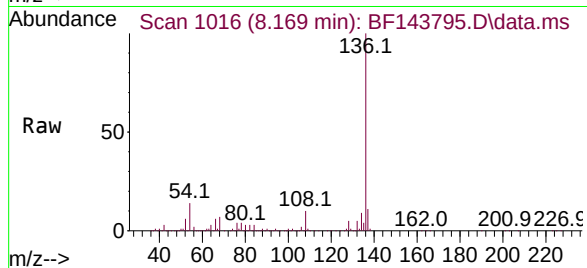
Tgt Ion:107 Resp: 288081
Ion Ratio Lower Upper
107 100
108 92.5 72.5 112.5
77 76.2 56.2 96.2
79 30.8 10.8 50.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

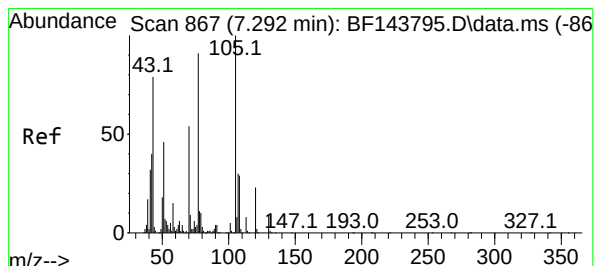
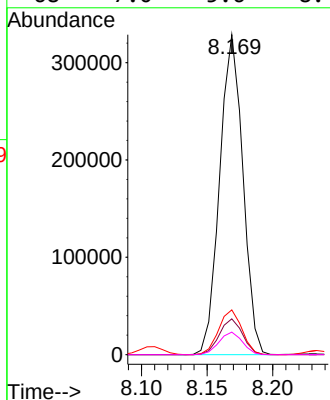
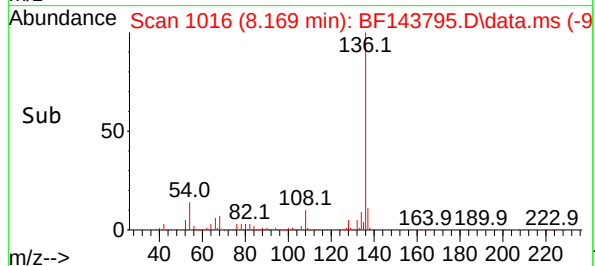
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:136 Resp: 405913
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 14.0 11.2 16.8
68 7.0 5.6 8.4

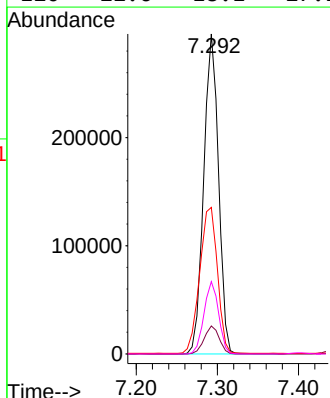
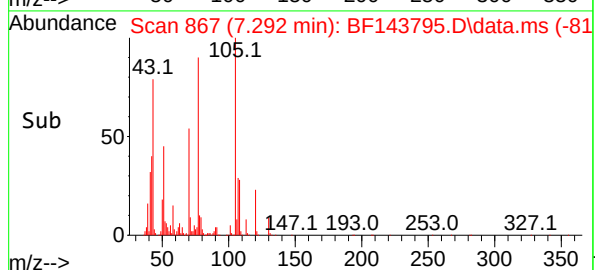
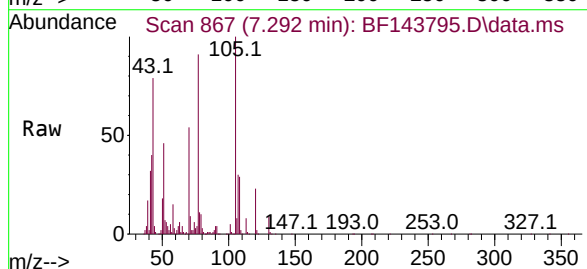
Manual Integrations
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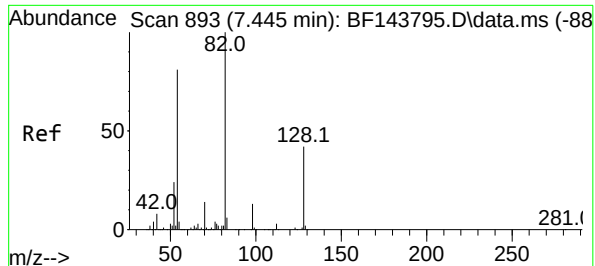
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#22
Acetophenone
Concen: 42.128 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion:105 Resp: 375588
Ion Ratio Lower Upper
105 100
71 8.7 7.0 10.4
51 45.8 36.6 55.0
120 22.6 18.1 27.1





#23

Nitrobenzene-d5

Concen: 88.897 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 573383

Ion Ratio Lower Upper

82 100

128 41.6 33.3 49.9

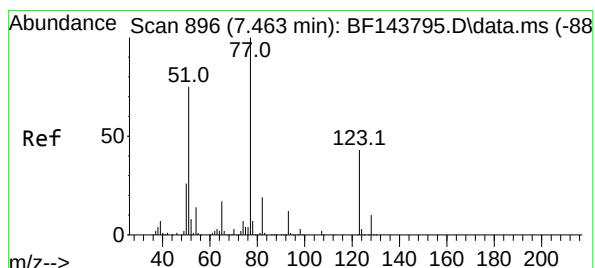
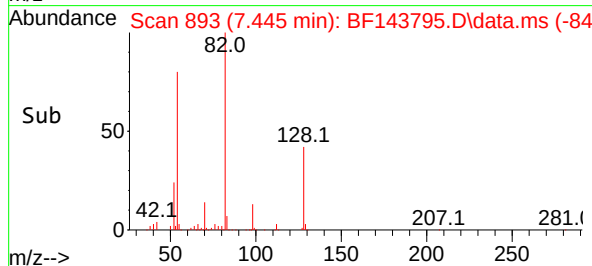
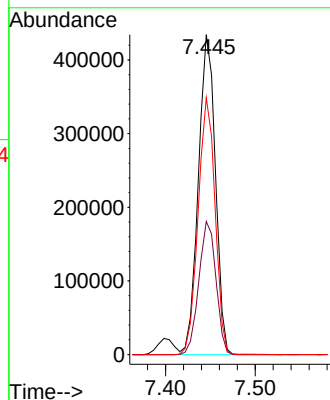
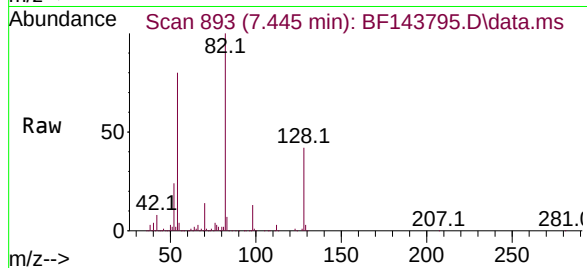
54 80.3 64.2 96.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#24

Nitrobenzene

Concen: 42.939 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

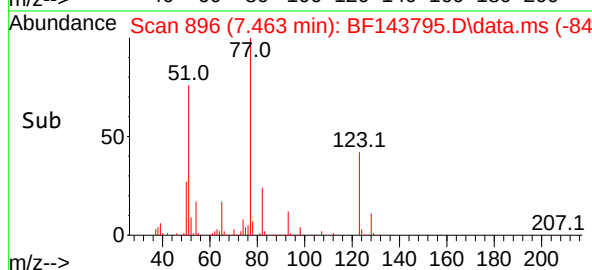
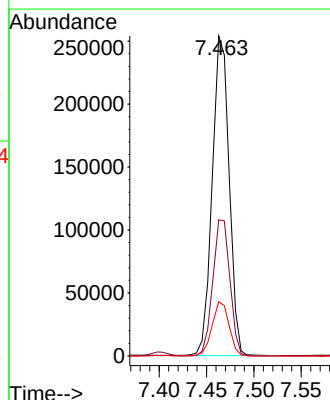
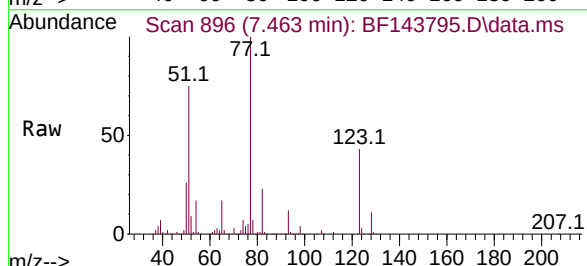
Tgt Ion: 77 Resp: 315613

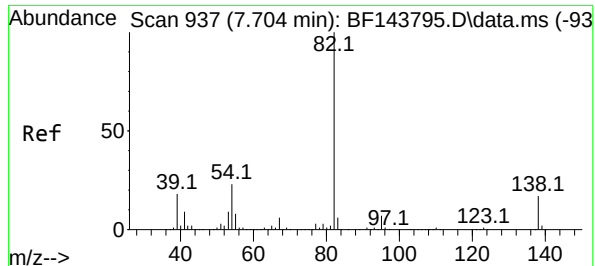
Ion Ratio Lower Upper

77 100

123 42.5 34.0 51.0

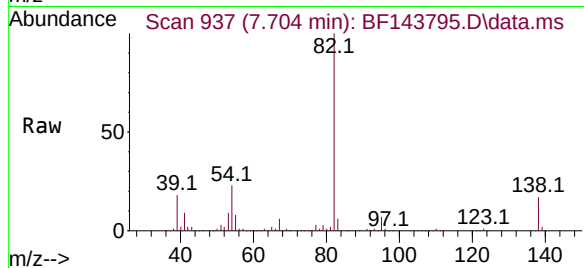
65 16.9 13.5 20.3





#25
Isophorone
Concen: 42.269 ng
RT: 7.704 min Scan# 937
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

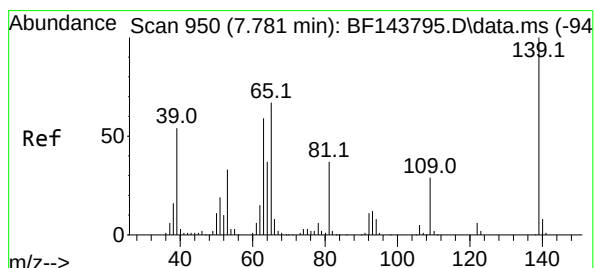
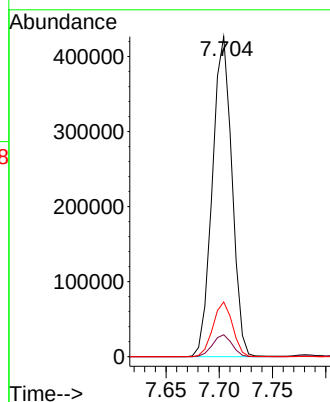
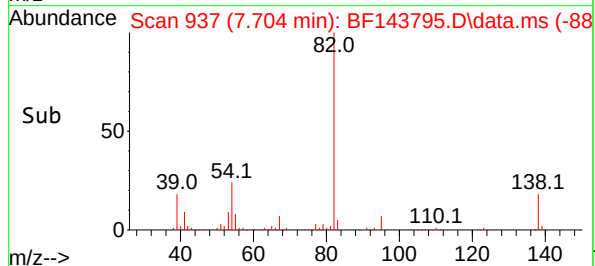
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 82 Resp: 546218
Ion Ratio Lower Upper
82 100
95 6.8 5.4 8.2
138 17.1 13.7 20.5

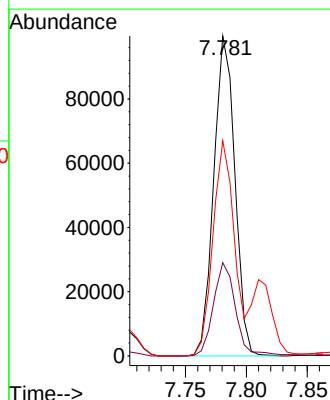
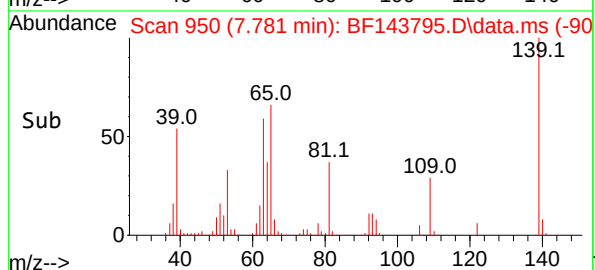
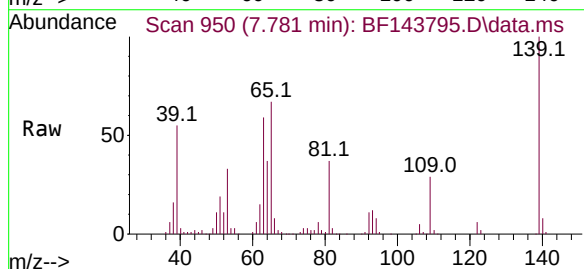
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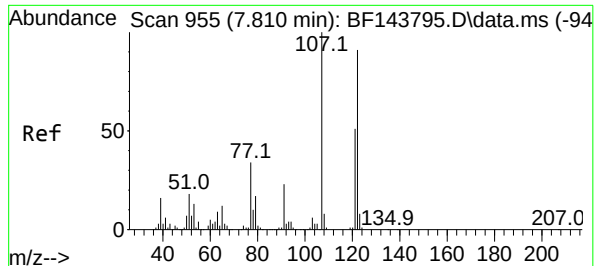
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#26
2-Nitrophenol
Concen: 40.347 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.005 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion:139 Resp: 120369
Ion Ratio Lower Upper
139 100
109 29.1 23.3 34.9
65 67.2 53.8 80.6





#27

2,4-Dimethylphenol

Concen: 42.648 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 246324

Ion Ratio Lower Upper

122 100

107 109.4 87.5 131.3

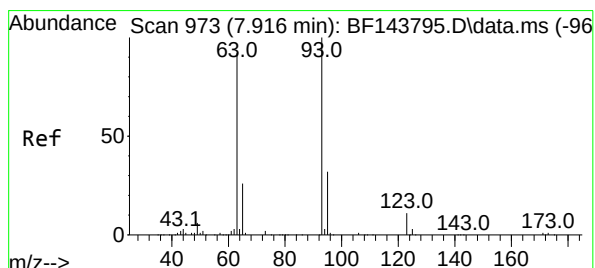
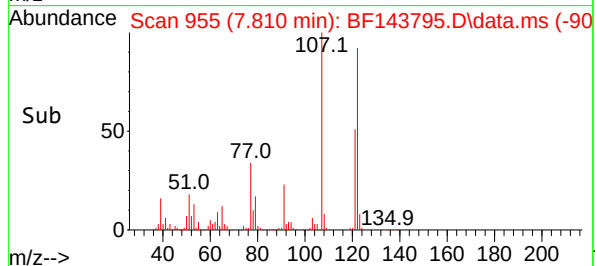
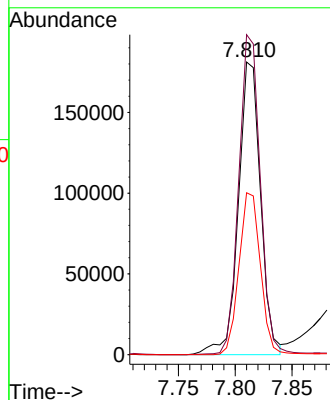
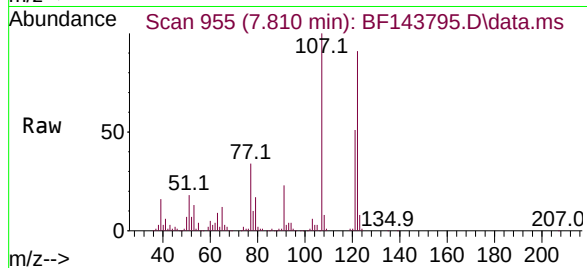
121 55.3 44.2 66.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#28

bis(2-Chloroethoxy)methane

Concen: 42.213 ng

RT: 7.916 min Scan# 973

Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

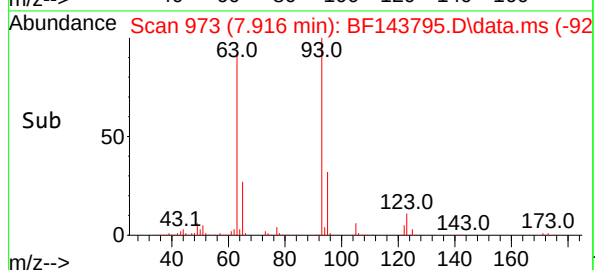
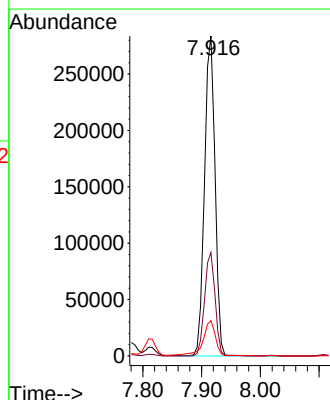
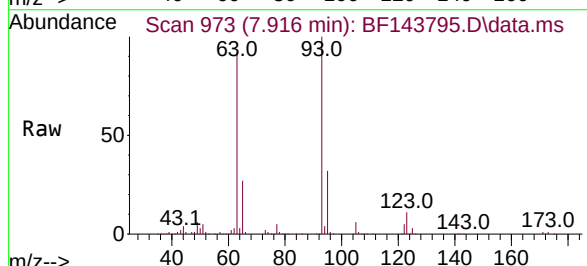
Tgt Ion: 93 Resp: 354402

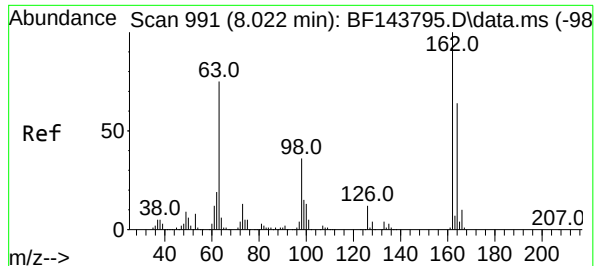
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.8

123 11.0 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 42.587 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 242031

Ion Ratio Lower Upper

162 100

164 64.1 44.1 84.1

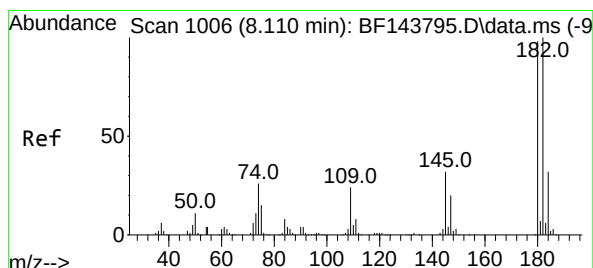
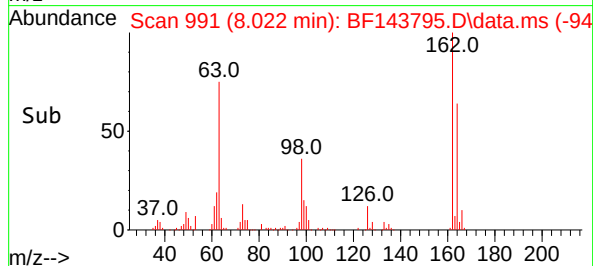
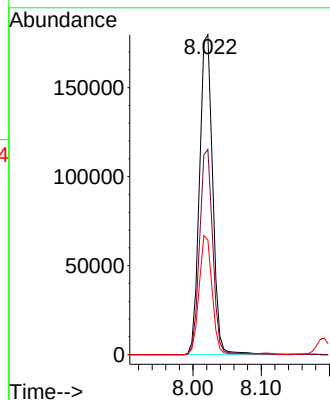
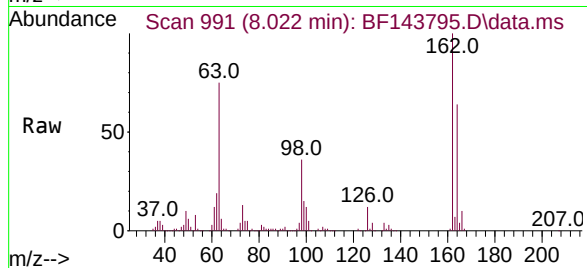
98 35.8 15.8 55.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#30

1,2,4-Trichlorobenzene

Concen: 42.554 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

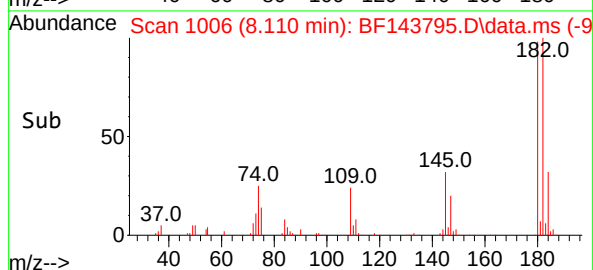
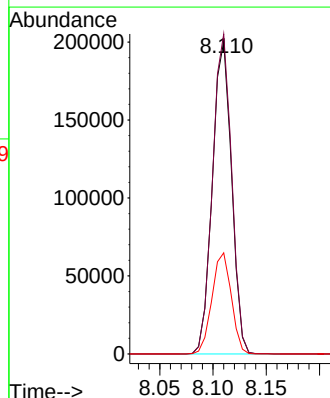
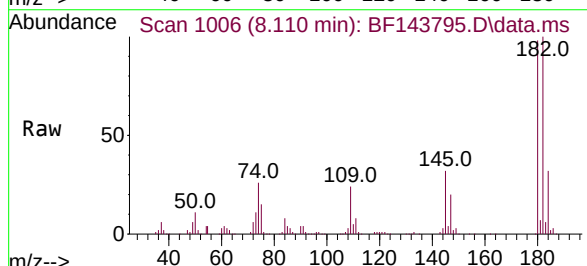
Tgt Ion:180 Resp: 250976

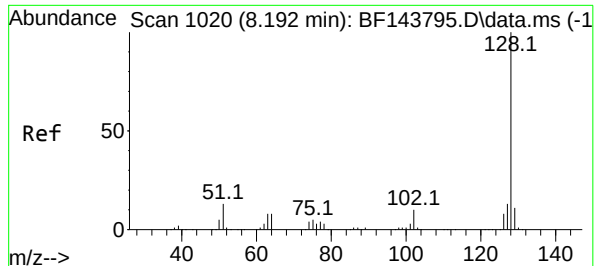
Ion Ratio Lower Upper

180 100

182 102.5 82.0 123.0

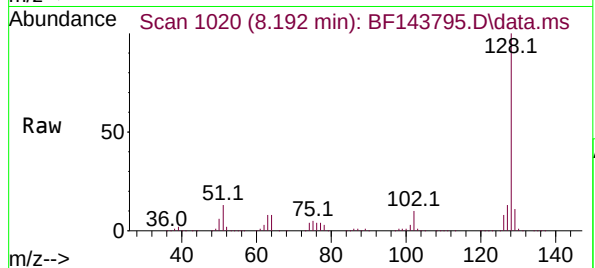
145 32.4 25.9 38.9





#31
Naphthalene
Concen: 41.894 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

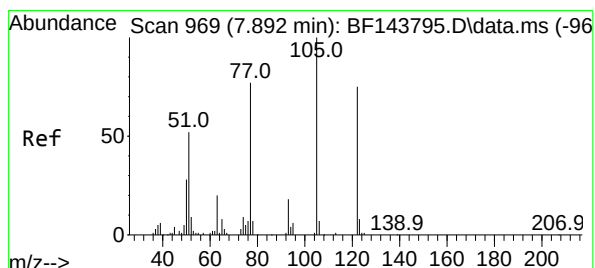
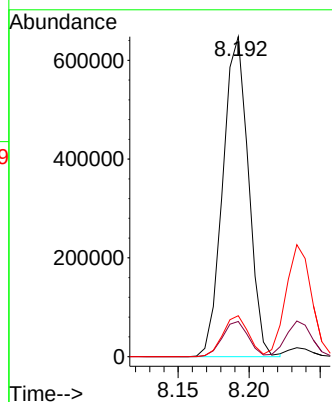
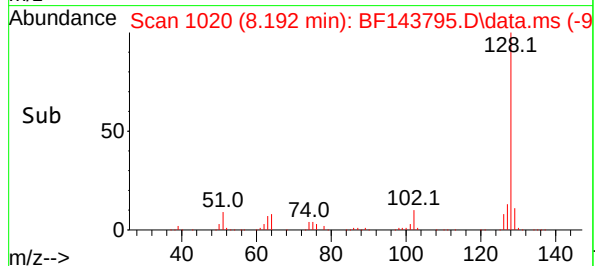
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:128 Resp: 814068
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.8 10.2 15.4

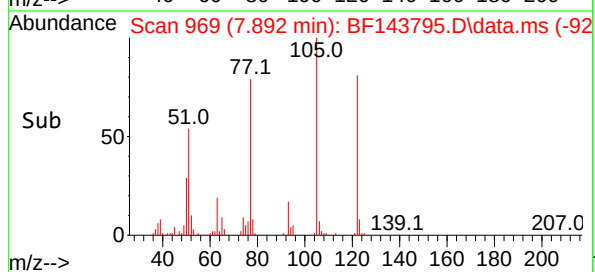
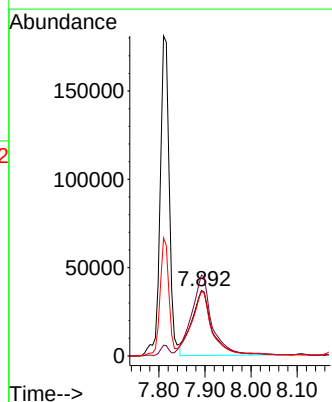
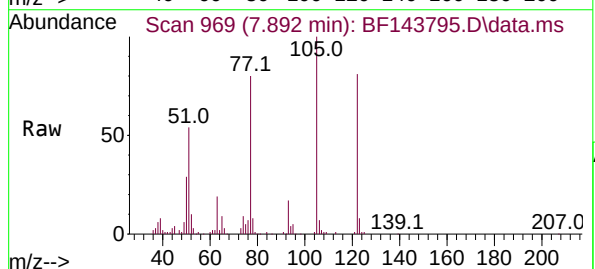
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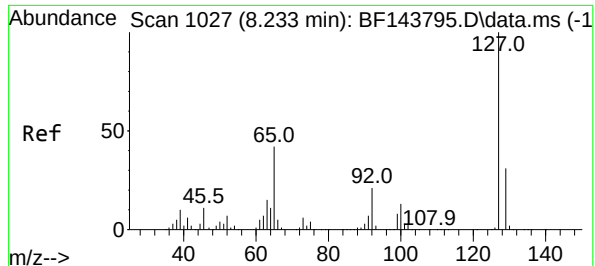
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#32
Benzoic acid
Concen: 40.921 ng
RT: 7.892 min Scan# 969
Delta R.T. -0.029 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

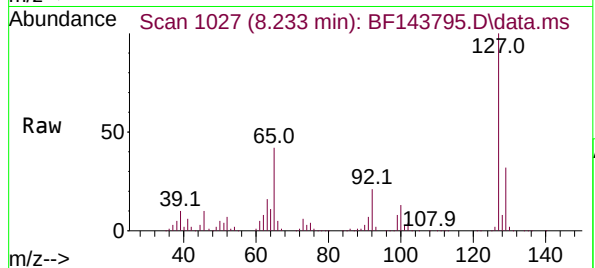
Tgt Ion:122 Resp: 114033
Ion Ratio Lower Upper
122 100
105 123.7 103.7 143.7
77 98.8 78.8 118.8





#33
4-Chloroaniline
Concen: 42.217 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

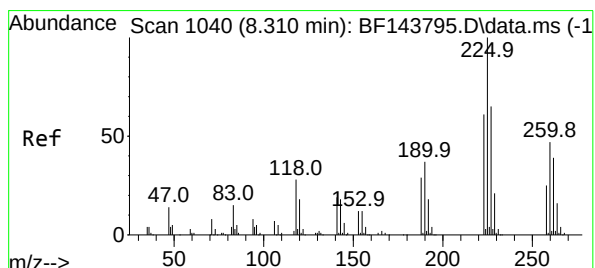
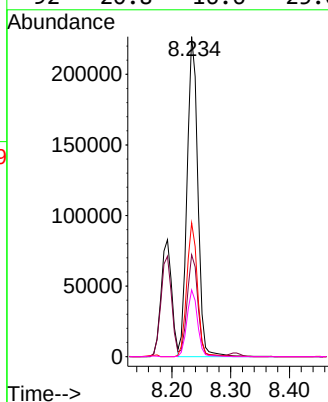
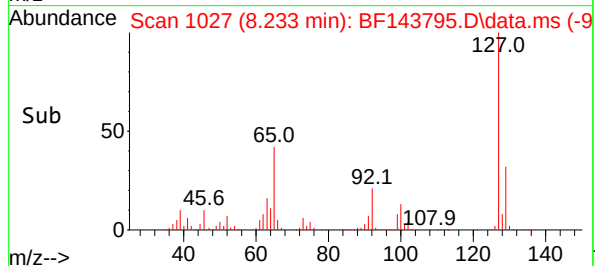
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:127 Resp: 288280
Ion Ratio Lower Upper
127 100
129 31.8 25.4 38.2
65 41.8 33.4 50.2
92 20.8 16.6 25.0

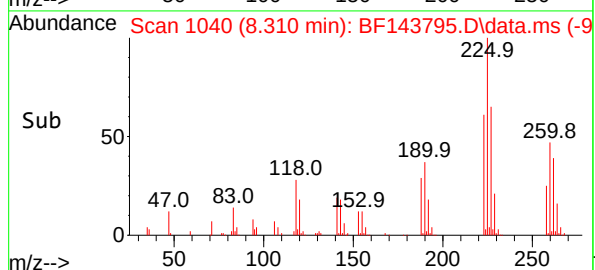
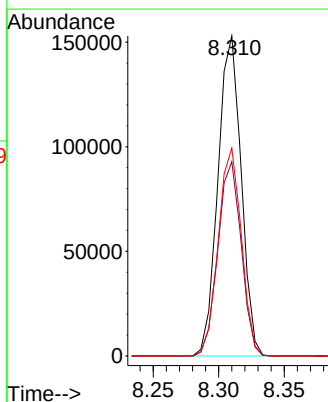
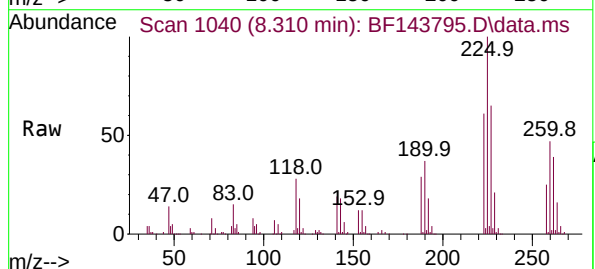
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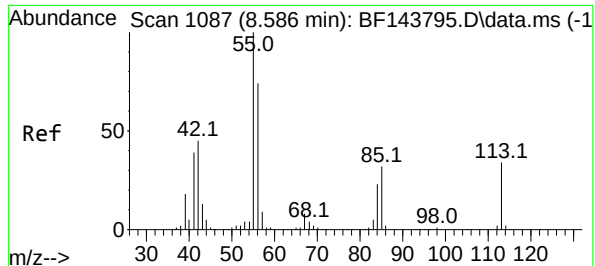
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#34
Hexachlorobutadiene
Concen: 42.957 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion:225 Resp: 188867
Ion Ratio Lower Upper
225 100
223 60.7 48.6 72.8
227 64.9 51.9 77.9





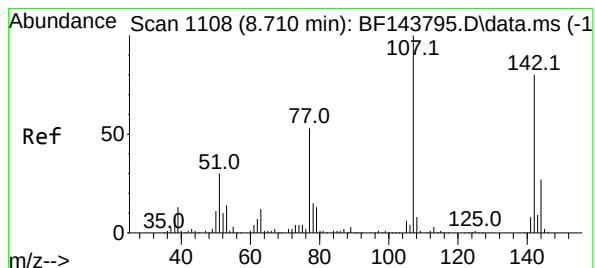
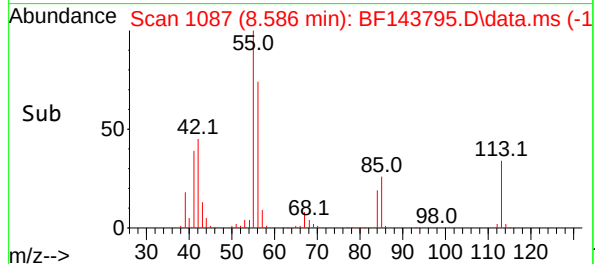
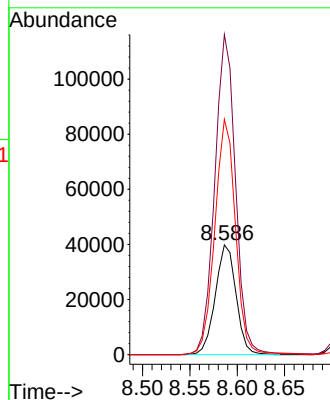
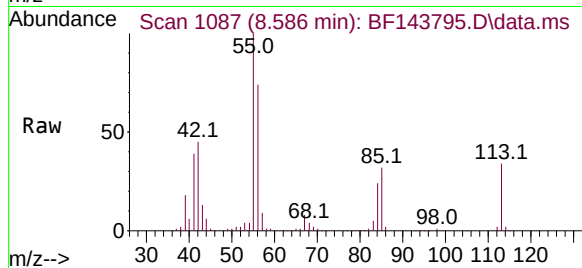
#35
Caprolactam
Concen: 41.712 ng
RT: 8.586 min Scan# 1087
Delta R.T. -0.024 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 60592
Ion Ratio Lower Upper
113 100
55 291.7 271.7 311.7
56 214.5 194.5 234.5

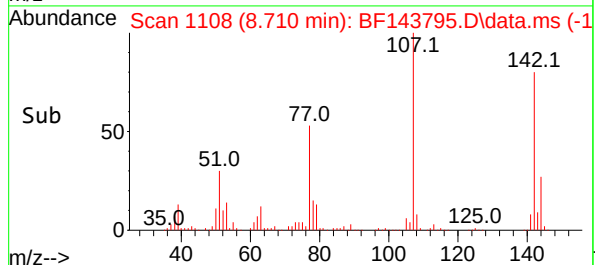
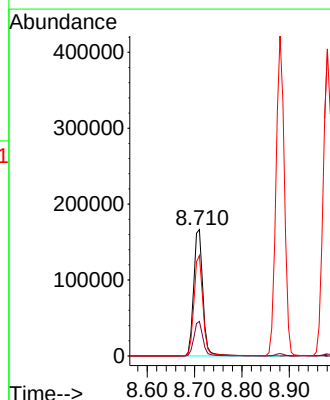
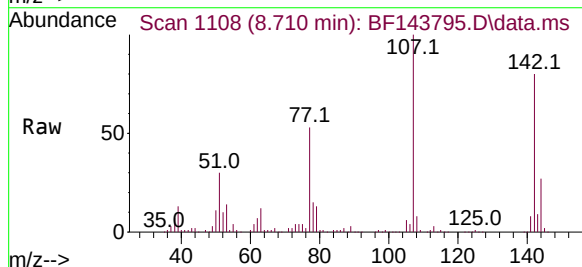
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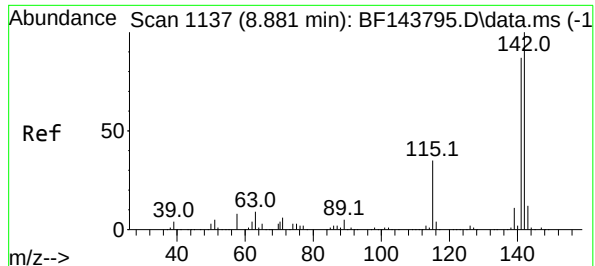
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#36
4-Chloro-3-methylphenol
Concen: 42.051 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion:107 Resp: 224136
Ion Ratio Lower Upper
107 100
144 27.3 21.8 32.8
142 79.5 63.6 95.4





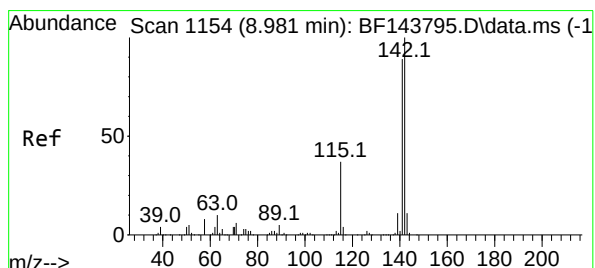
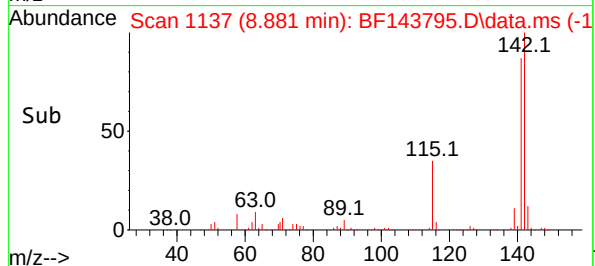
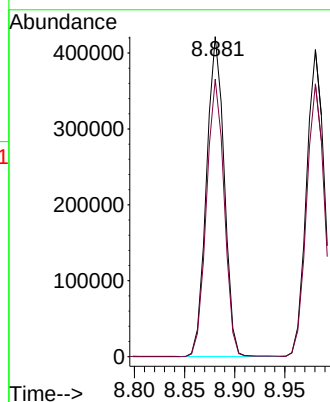
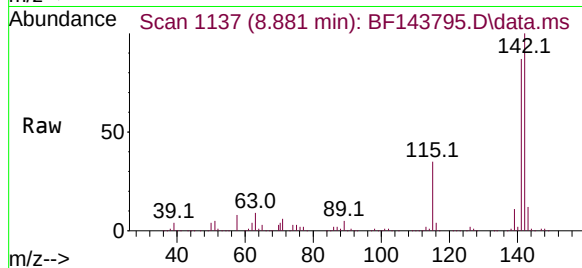
#37
2-Methylnaphthalene
Concen: 41.614 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 515616
Ion Ratio Lower Upper
142 100
141 86.7 69.4 104.0

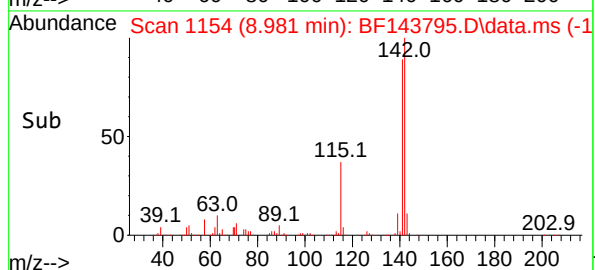
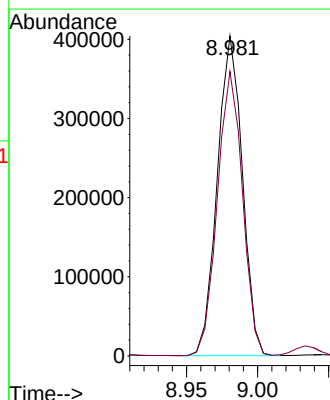
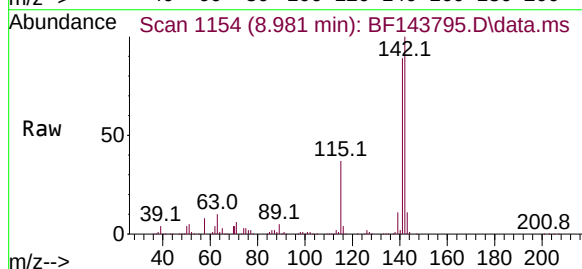
Manual Integrations
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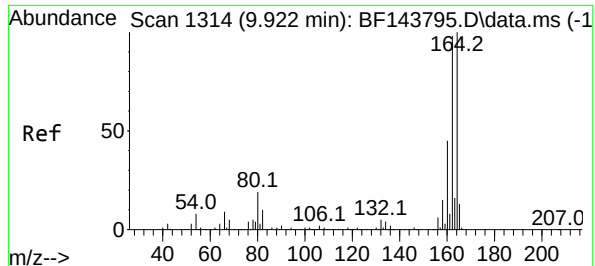
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#38
1-Methylnaphthalene
Concen: 41.901 ng
RT: 8.981 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

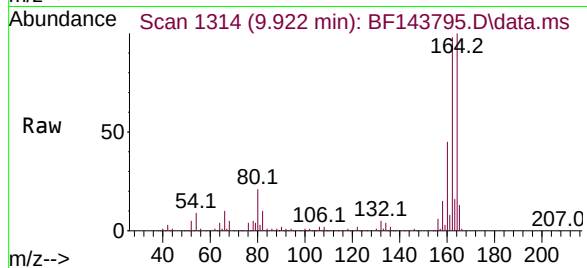
Tgt Ion:142 Resp: 496939
Ion Ratio Lower Upper
142 100
141 88.9 71.1 106.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

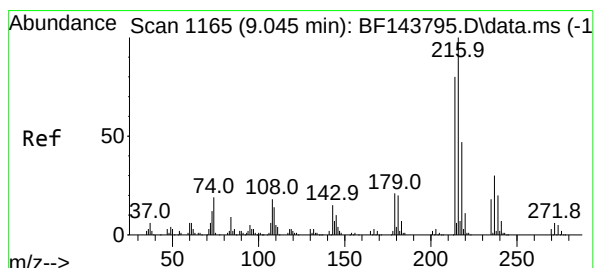
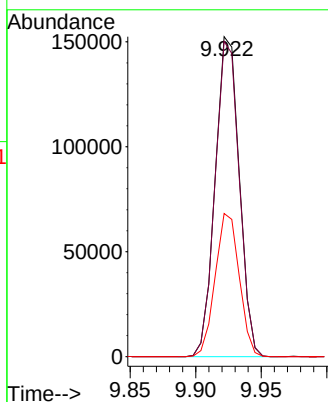
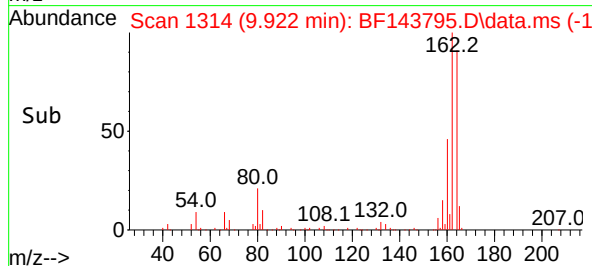
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:164 Resp: 195472
Ion Ratio Lower Upper
164 100
162 98.5 78.8 118.2
160 44.7 35.8 53.6

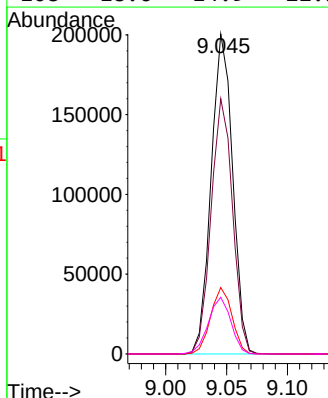
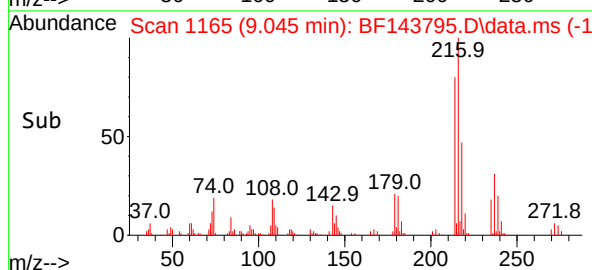
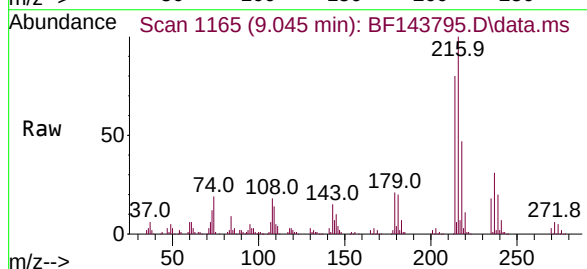
Manual Integrations
APPROVED

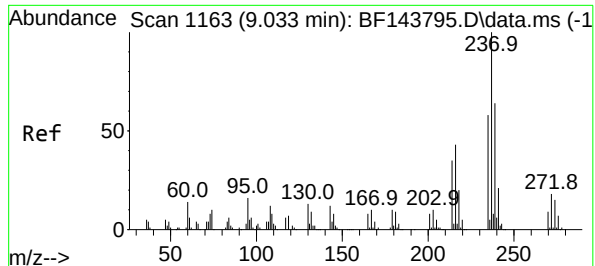
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.605 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

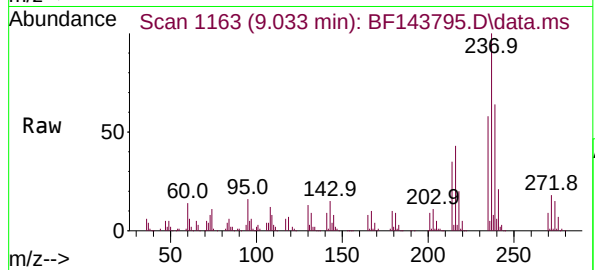
Tgt Ion:216 Resp: 245432
Ion Ratio Lower Upper
216 100
214 79.6 63.7 95.5
179 20.6 16.5 24.7
108 18.6 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 43.733 ng
RT: 9.033 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

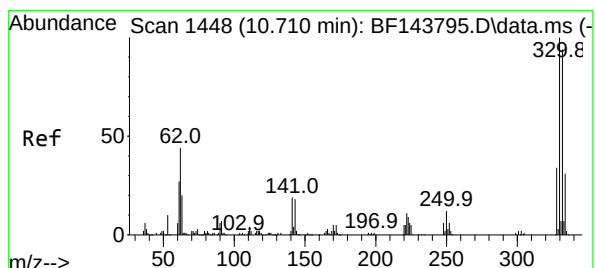
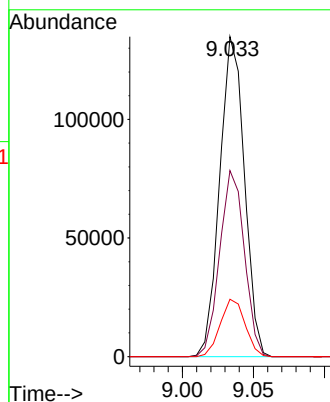
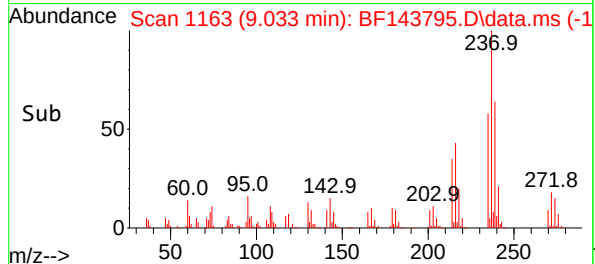
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



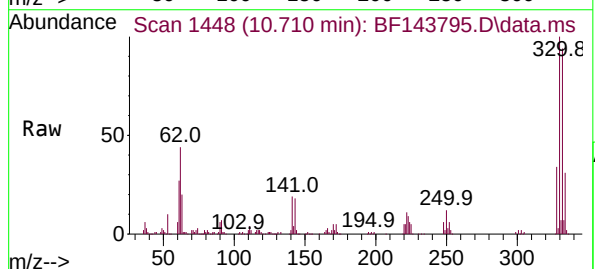
Tgt Ion:237 Resp: 163505
Ion Ratio Lower Upper
237 100
235 58.1 38.1 78.1
272 17.9 0.0 37.9

Manual Integrations
APPROVED

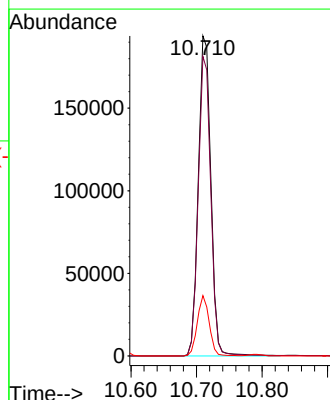
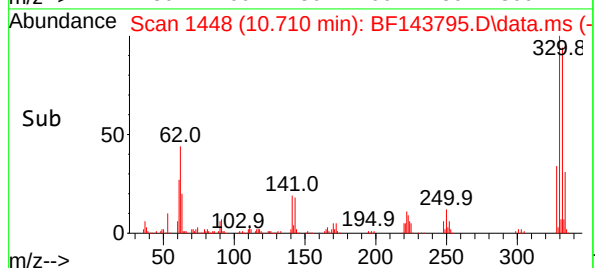
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

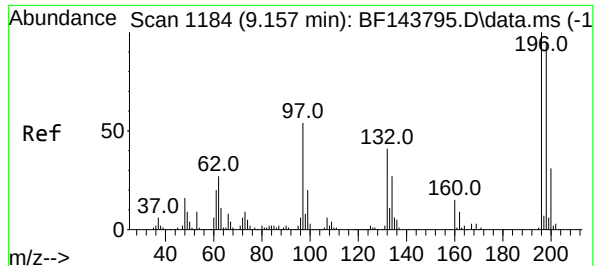


#42
2,4,6-Tribromophenol
Concen: 91.848 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59



Tgt Ion:330 Resp: 256232
Ion Ratio Lower Upper
330 100
332 93.4 74.7 112.1
141 17.9 14.3 21.5





#43

2,4,6-Trichlorophenol

Concen: 44.620 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:196 Resp: 164818

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

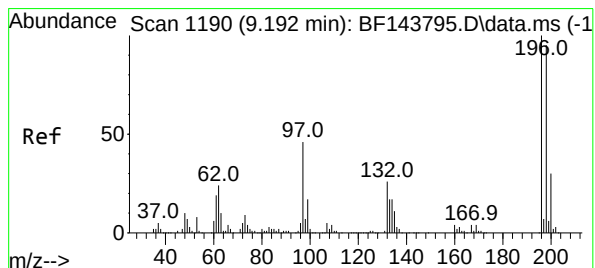
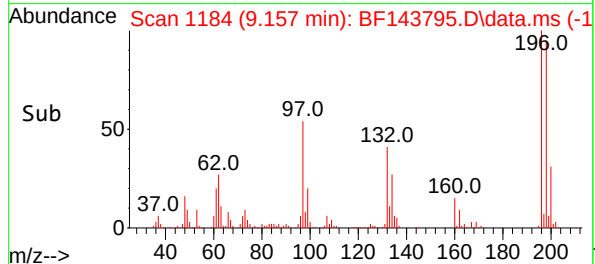
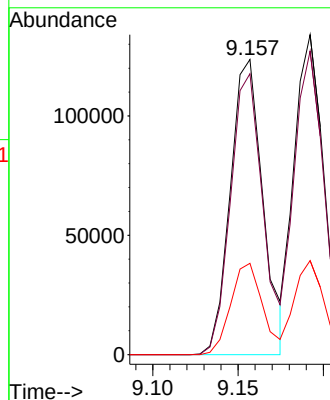
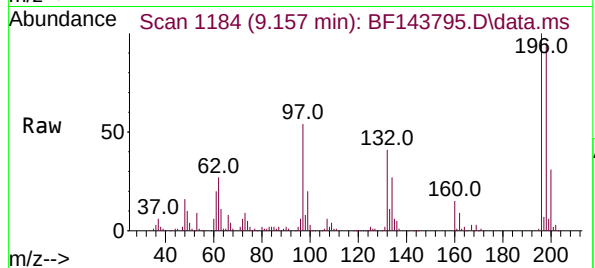
200 30.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#44

2,4,5-Trichlorophenol

Concen: 42.801 ng

RT: 9.192 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Tgt Ion:196 Resp: 165369

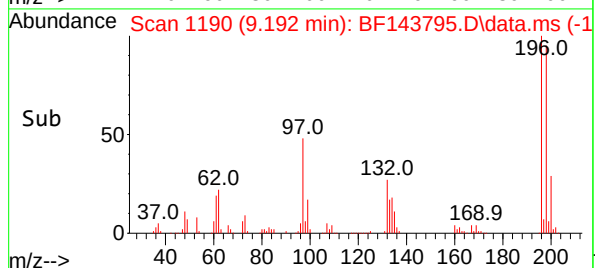
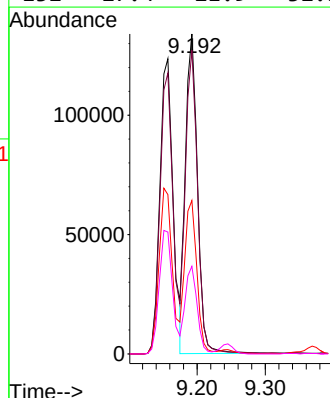
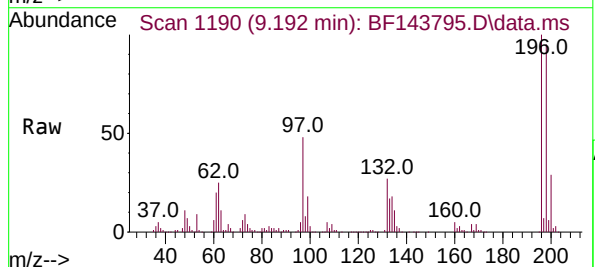
Ion Ratio Lower Upper

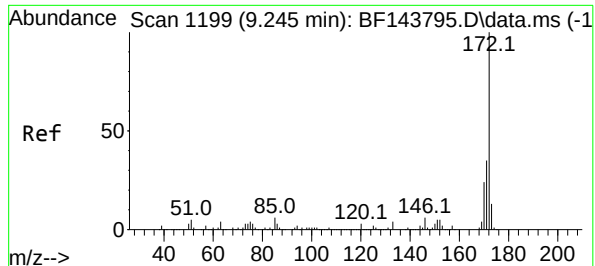
196 100

198 94.9 75.9 113.9

97 47.9 38.3 57.5

132 27.4 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 79.854 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:172 Resp: 1056299

Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

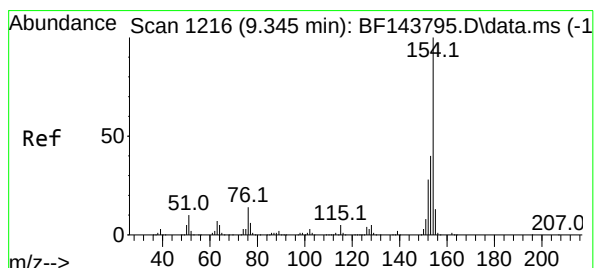
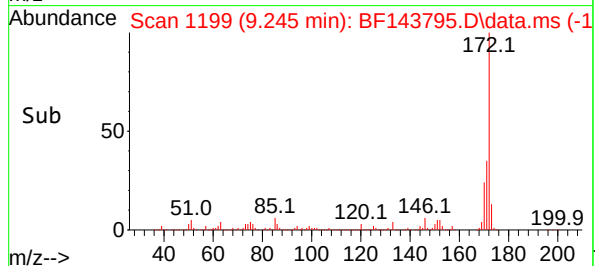
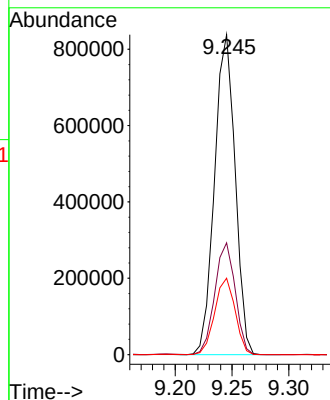
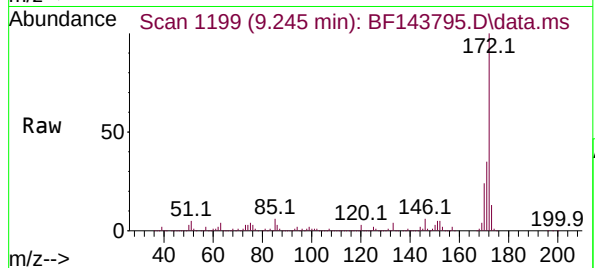
170 23.9 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#46

1,1'-Biphenyl

Concen: 41.309 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

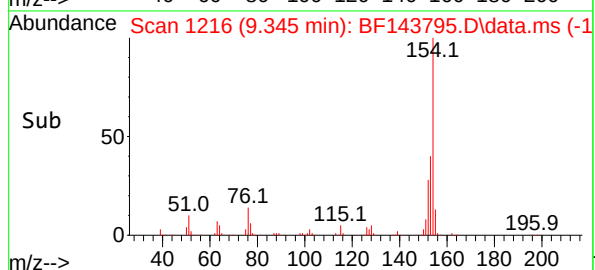
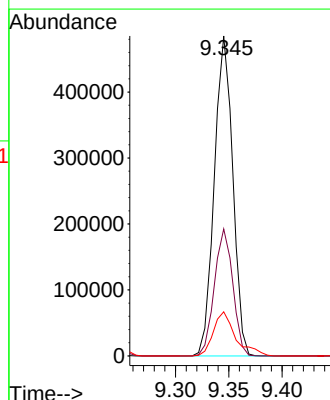
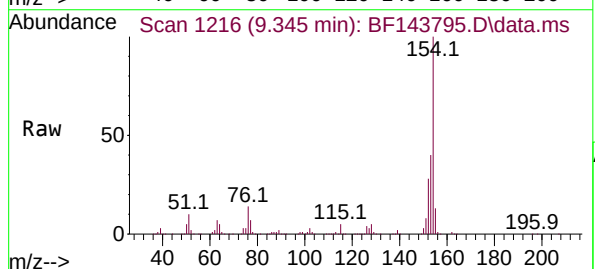
Tgt Ion:154 Resp: 584522

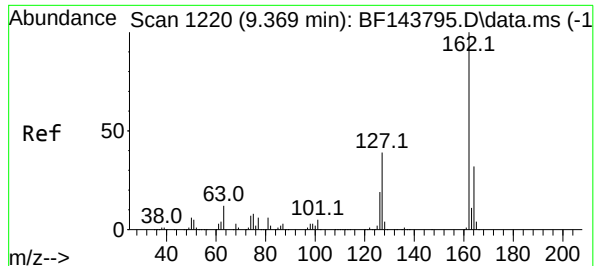
Ion Ratio Lower Upper

154 100

153 39.7 19.7 59.7

76 13.8 0.0 33.8





#47

2-Chloronaphthalene

Concen: 41.694 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 474899

Ion Ratio Lower Upper

162 100

127 39.4 31.5 47.3

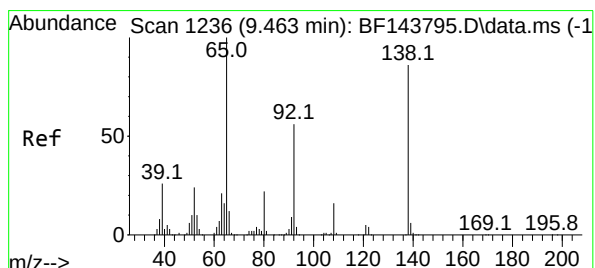
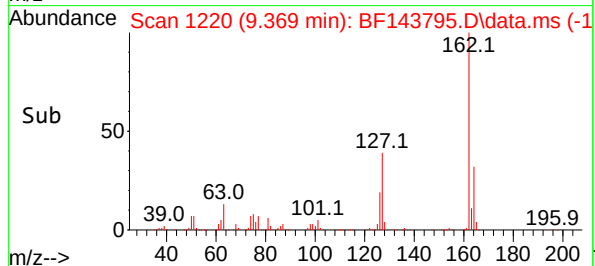
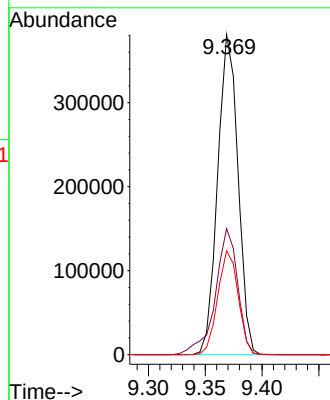
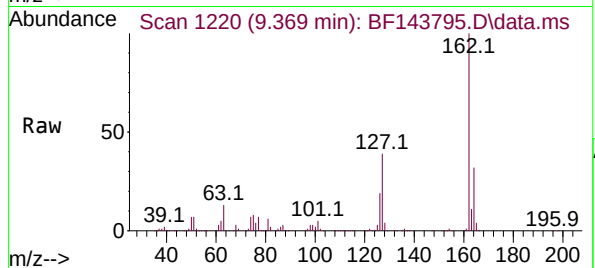
164 32.4 25.9 38.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#48

2-Nitroaniline

Concen: 45.383 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

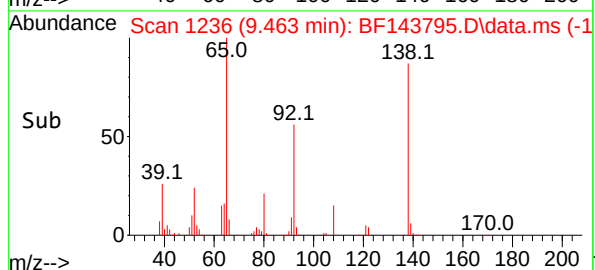
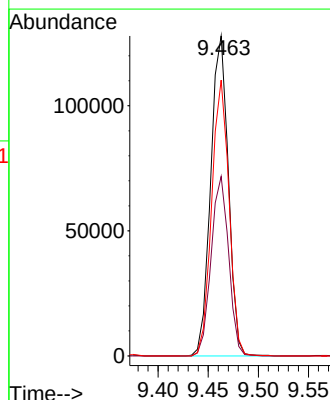
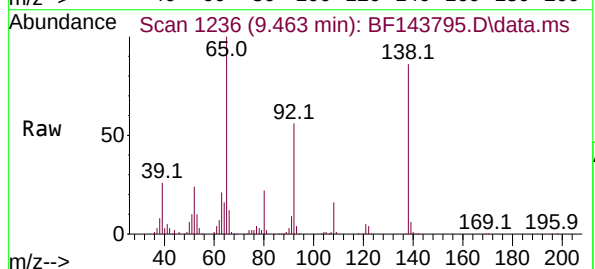
Tgt Ion: 65 Resp: 156231

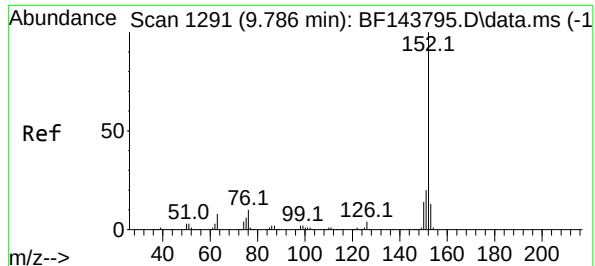
Ion Ratio Lower Upper

65 100

92 56.1 44.9 67.3

138 86.2 69.0 103.4





#49

Acenaphthylene

Concen: 42.150 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

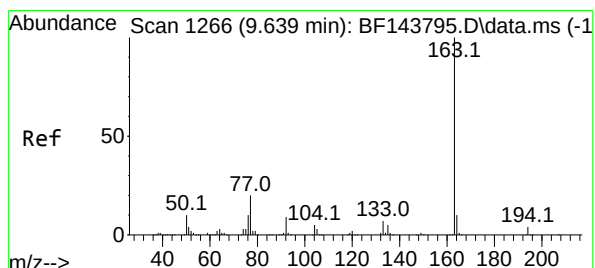
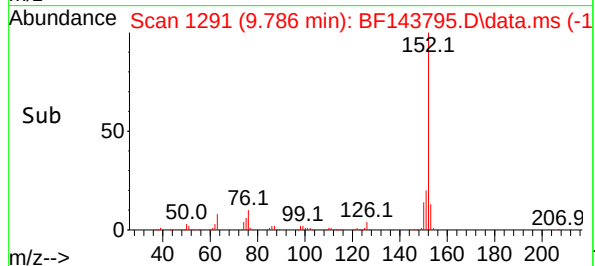
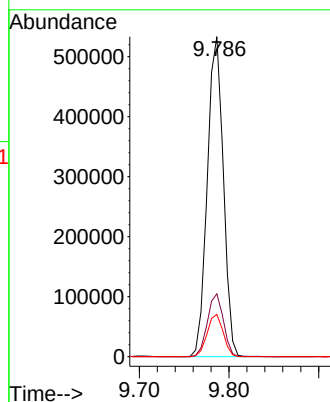
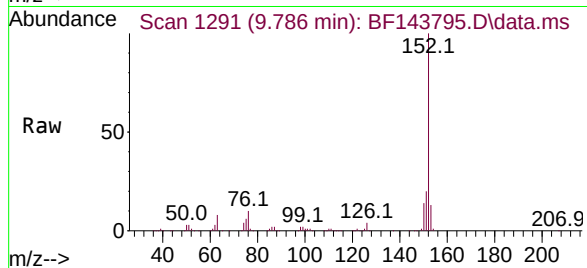
Tgt Ion:	152	Resp:	660923
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.7	23.5
153	13.2	10.6	15.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#50

Dimethylphthalate

Concen: 42.186 ng

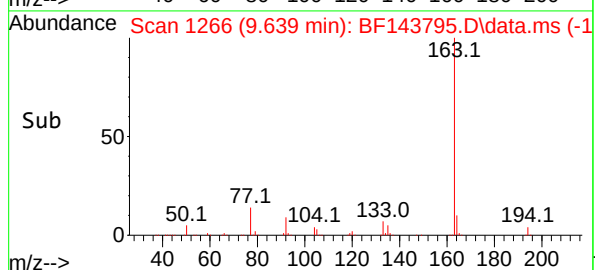
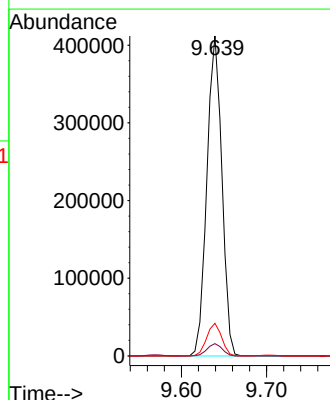
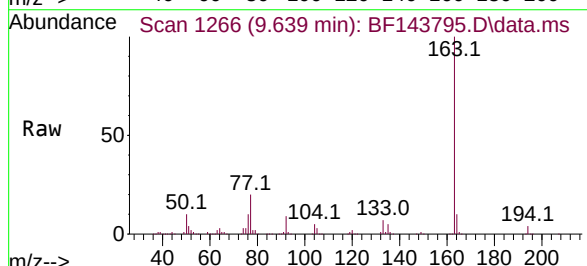
RT: 9.639 min Scan# 1266

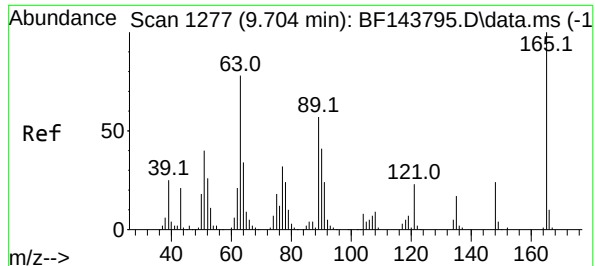
Delta R.T. 0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

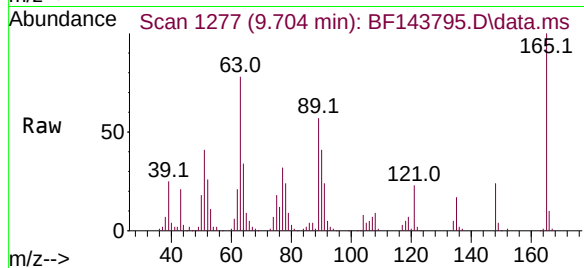
Tgt Ion:	163	Resp:	502623
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 45.543 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

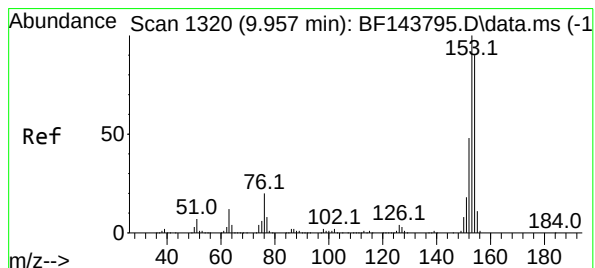
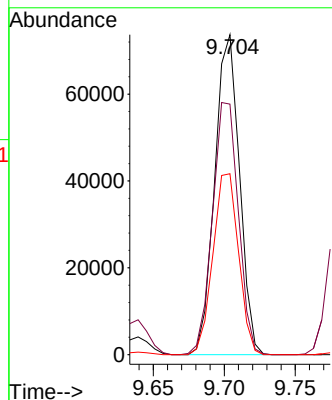
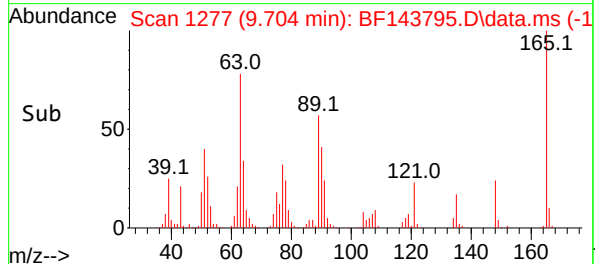
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 8915
Ion Ratio Lower Upper
165 100
63 78.3 62.6 94.0
89 56.5 45.2 67.8

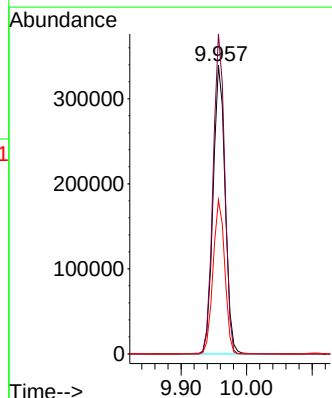
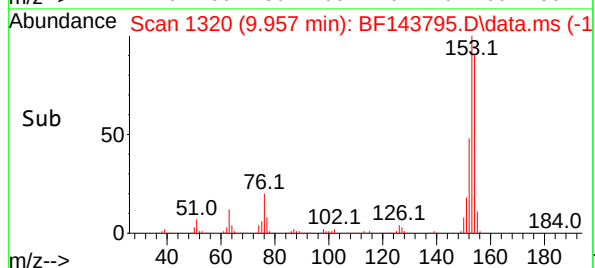
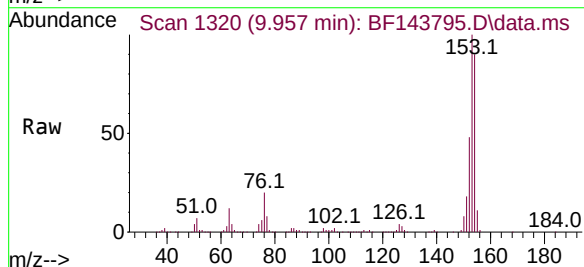
Manual Integrations
APPROVED

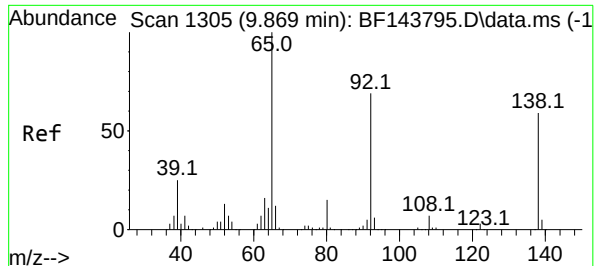
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#52
Acenaphthene
Concen: 42.036 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion:154 Resp: 433748
Ion Ratio Lower Upper
154 100
153 110.9 88.7 133.1
152 53.4 42.7 64.1





#53

3-Nitroaniline

Concen: 46.671 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:138 Resp: 110739

Ion Ratio Lower Upper

138 100

108 12.4 9.9 14.9

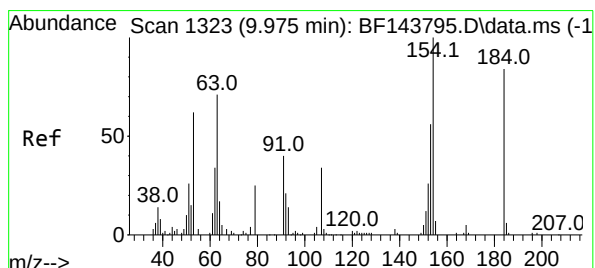
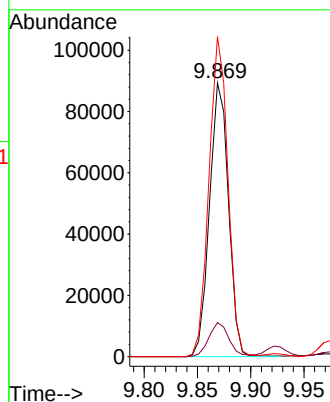
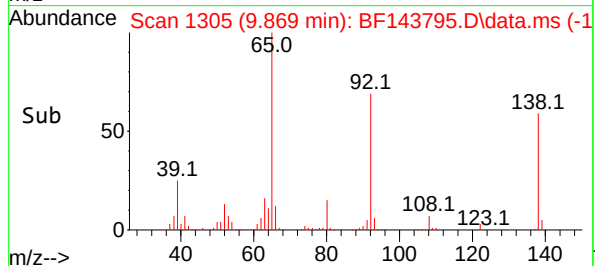
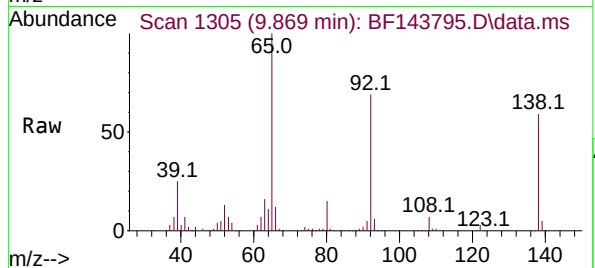
92 116.9 93.5 140.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#54

2,4-Dinitrophenol

Concen: 41.301 ng

RT: 9.975 min Scan# 1323

Delta R.T. -0.000 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

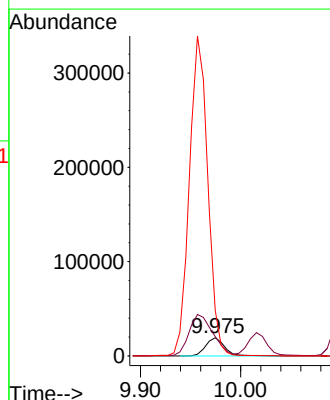
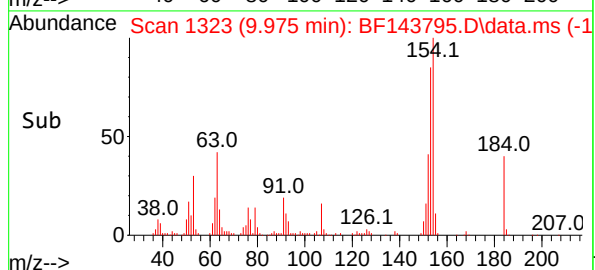
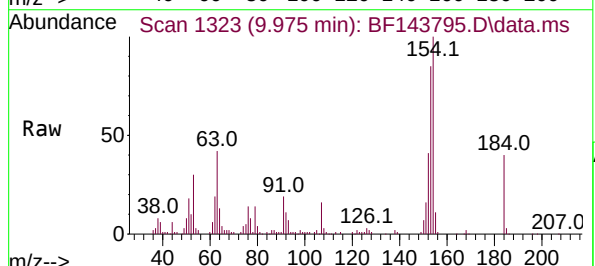
Tgt Ion:184 Resp: 24685

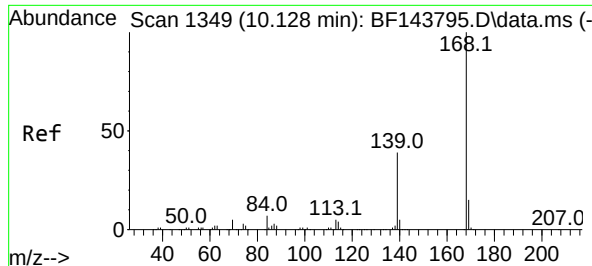
Ion Ratio Lower Upper

184 100

63 105.8 84.6 127.0

154 249.1 199.3 298.9





#55

Dibenzofuran

Concen: 41.833 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:168 Resp: 610393

Ion Ratio Lower Upper

168 100

139 38.8 31.0 46.6

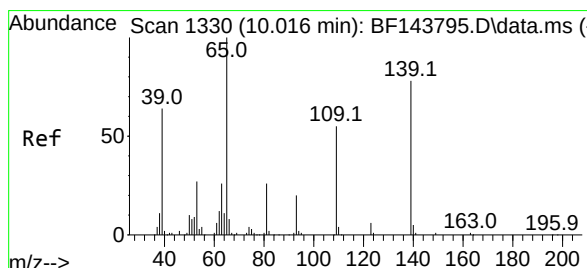
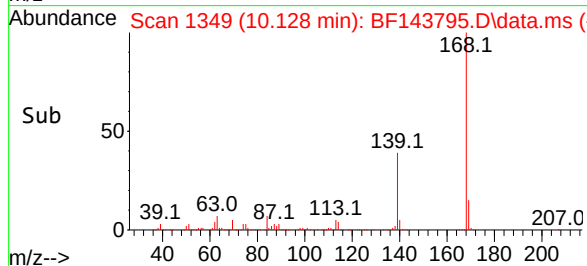
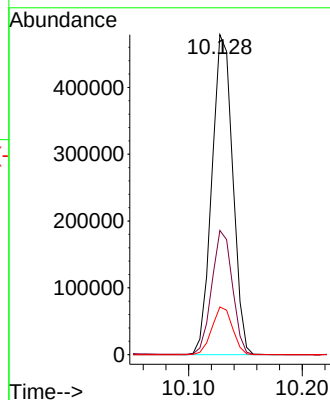
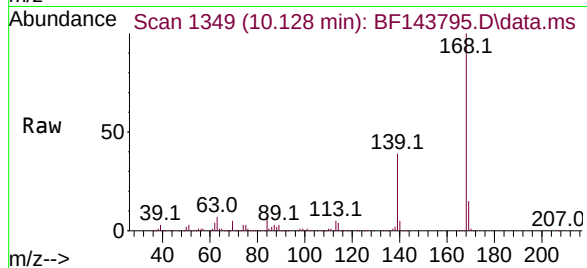
169 14.9 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#56

4-Nitrophenol

Concen: 42.462 ng

RT: 10.016 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

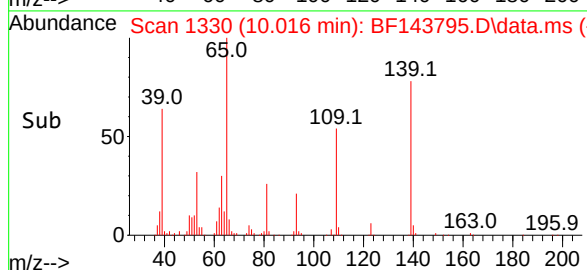
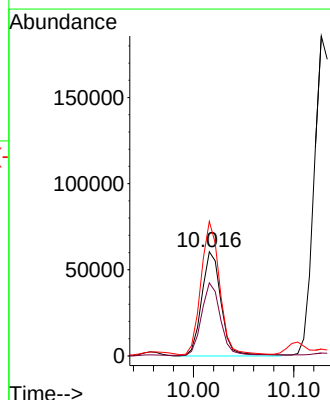
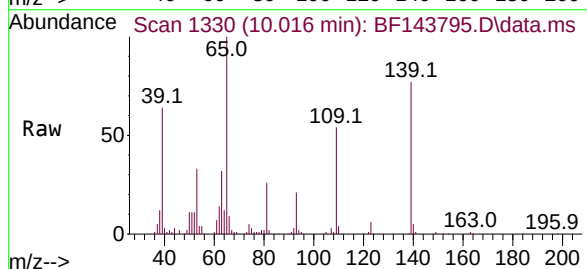
Tgt Ion:139 Resp: 81189

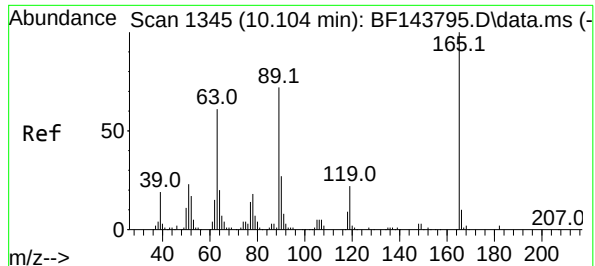
Ion Ratio Lower Upper

139 100

109 70.2 50.2 90.2

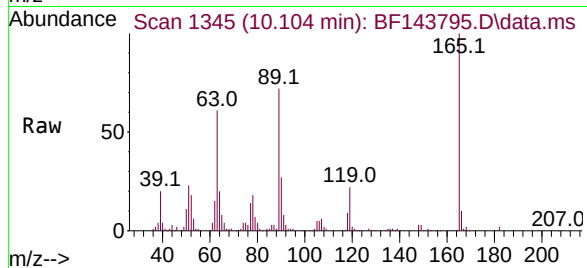
65 129.2 109.2 149.2





#57
2,4-Dinitrotoluene
Concen: 41.745 ng
RT: 10.104 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

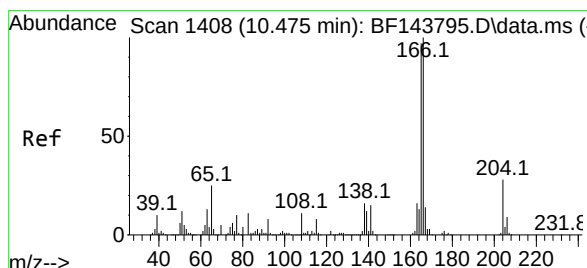
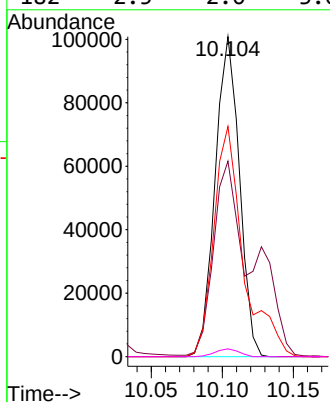
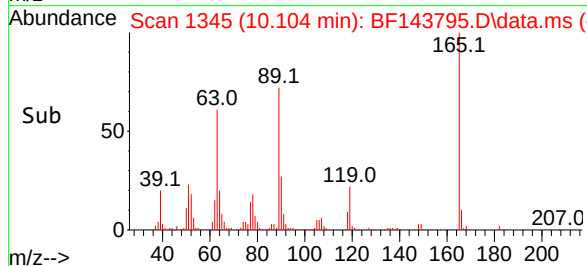
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



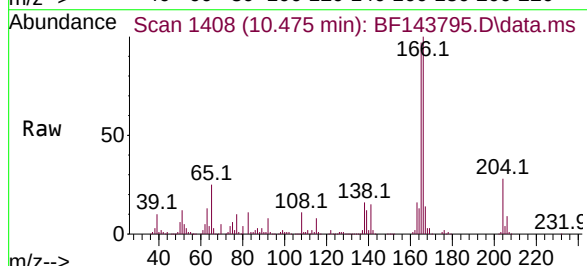
Tgt Ion:165 Resp: 120114
Ion Ratio Lower Upper
165 100
63 61.1 48.9 73.3
89 71.9 57.5 86.3
182 2.5 2.0 3.0

Manual Integrations
APPROVED

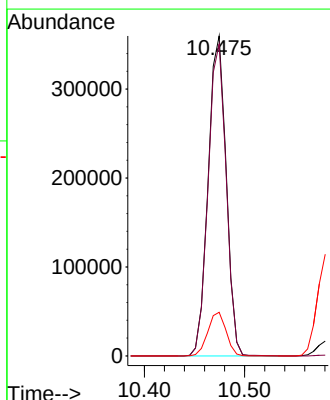
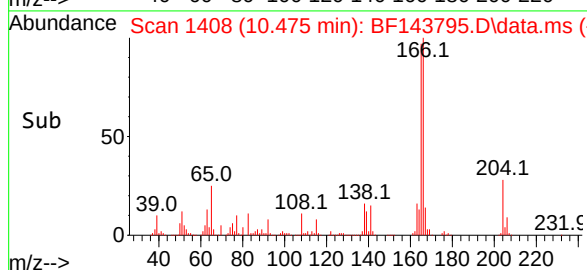
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

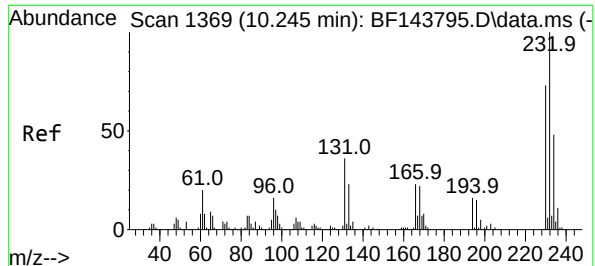


#58
Fluorene
Concen: 41.324 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59



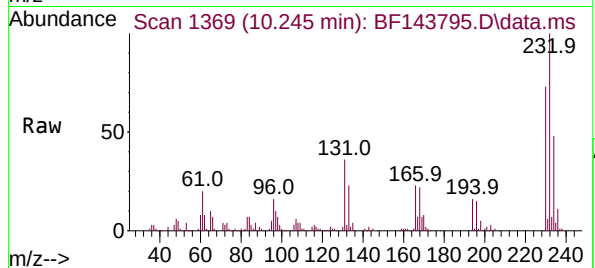
Tgt Ion:166 Resp: 448265
Ion Ratio Lower Upper
166 100
165 97.5 78.0 117.0
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.013 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

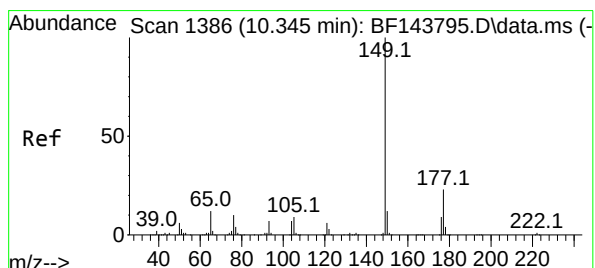
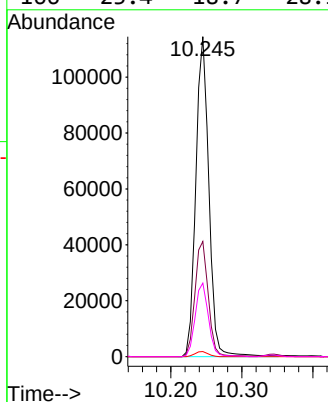
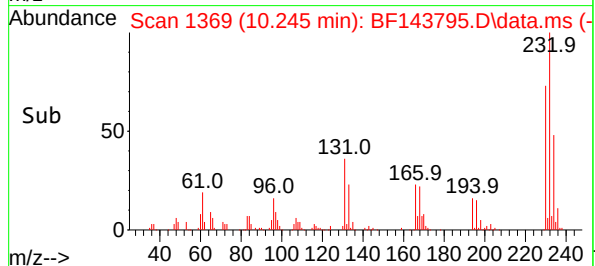
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:232 Resp: 145681
Ion Ratio Lower Upper
232 100
131 36.8 29.4 44.2
130 1.6 1.3 1.9
166 23.4 18.7 28.1

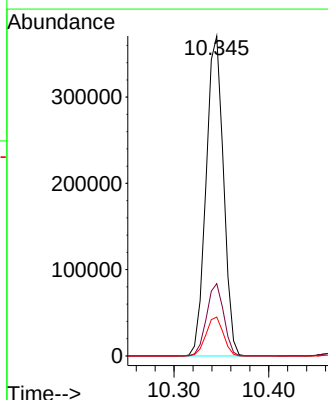
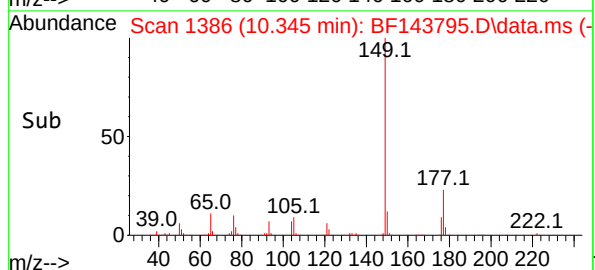
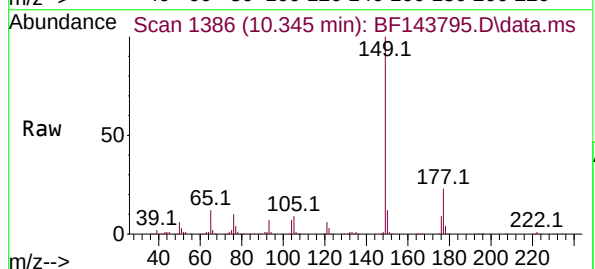
Manual Integrations
APPROVED

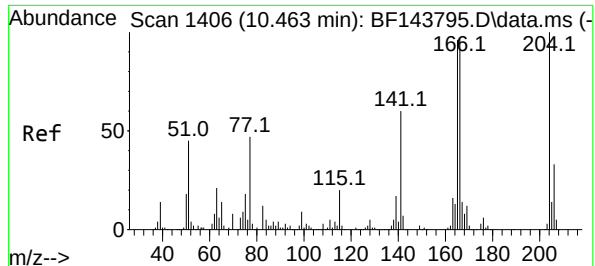
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#60
Diethylphthalate
Concen: 42.438 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion:149 Resp: 473302
Ion Ratio Lower Upper
149 100
177 22.6 18.1 27.1
150 12.1 9.7 14.5





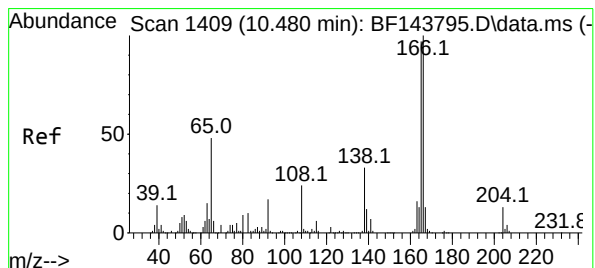
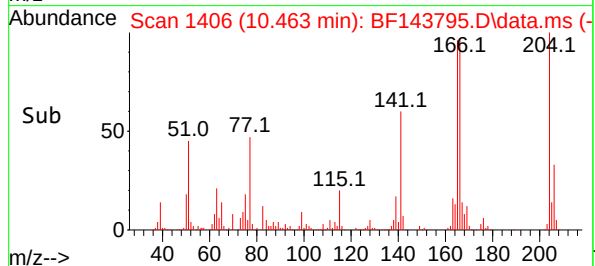
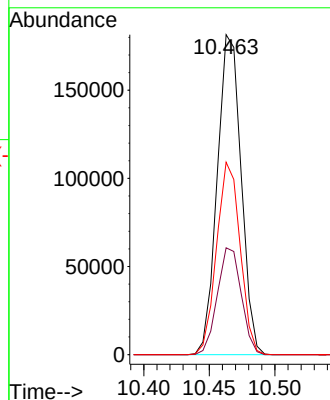
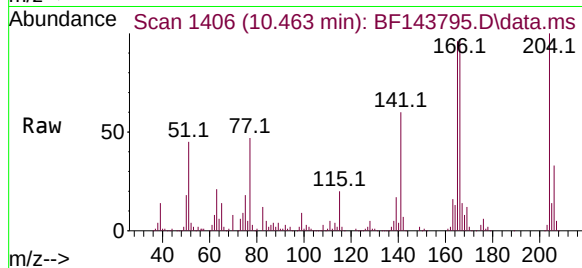
#61
4-Chlorophenyl-phenylether
Concen: 41.729 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 230643
Ion Ratio Lower Upper
204 100
206 33.4 26.7 40.1
141 60.2 48.2 72.2

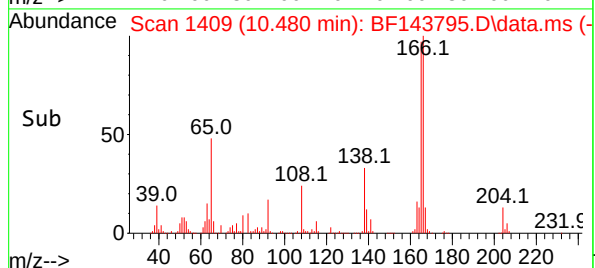
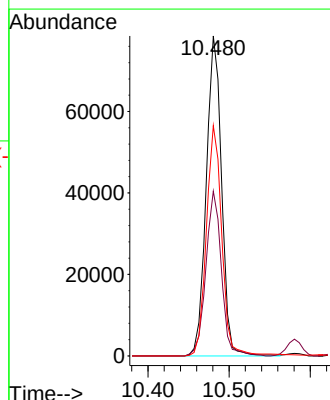
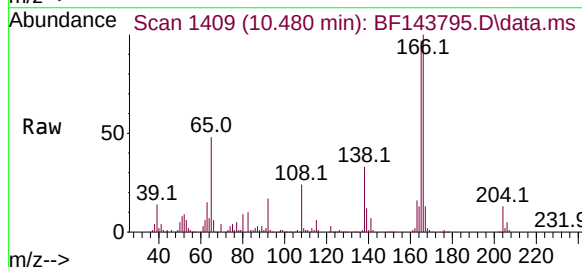
Manual Integrations
APPROVED

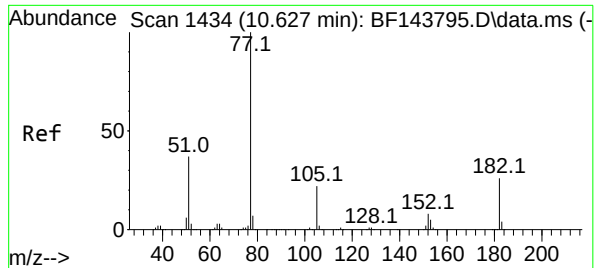
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#62
4-Nitroaniline
Concen: 46.254 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

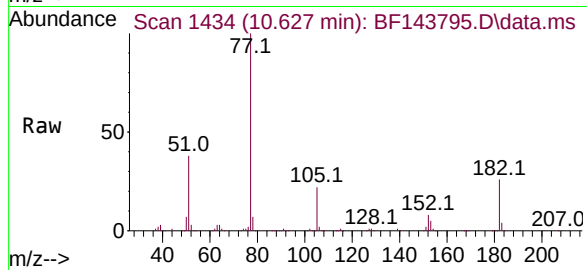
Tgt Ion:138 Resp: 103193
Ion Ratio Lower Upper
138 100
92 51.5 31.5 71.5
108 71.9 51.9 91.9





#63
Azobenzene
Concen: 42.532 ng
RT: 10.627 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

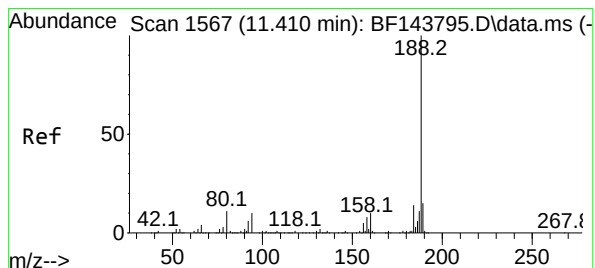
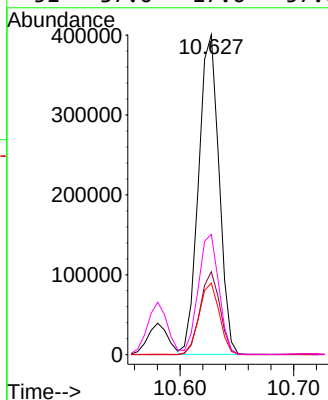
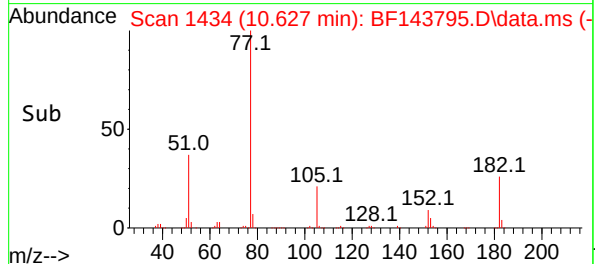
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



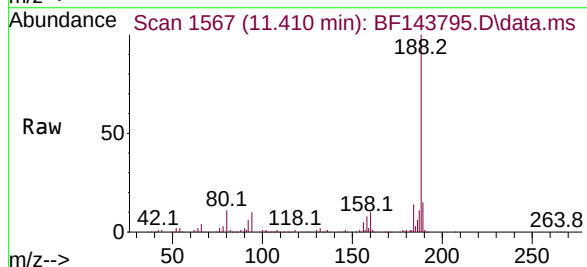
Tgt Ion: 77 Resp: 499929
Ion Ratio Lower Upper
77 100
182 25.9 5.9 45.9
105 22.3 2.3 42.3
51 37.6 17.6 57.6

Manual Integrations
APPROVED

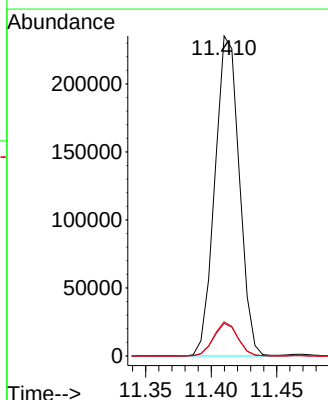
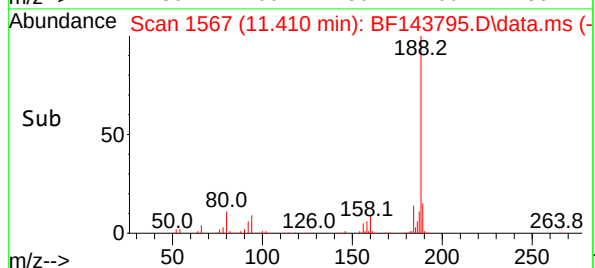
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

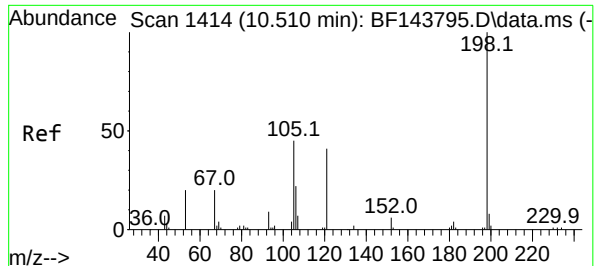


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59



Tgt Ion:188 Resp: 304940
Ion Ratio Lower Upper
188 100
94 10.2 8.2 12.2
80 10.7 8.6 12.8





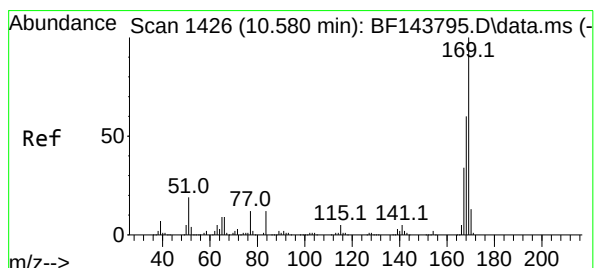
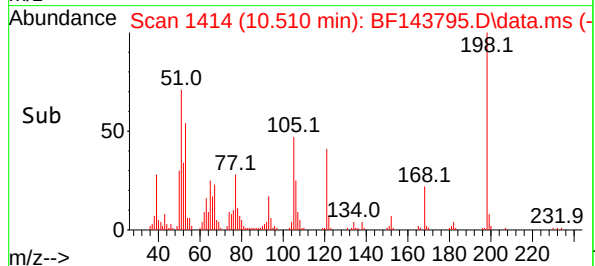
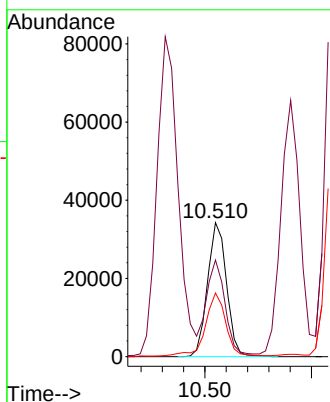
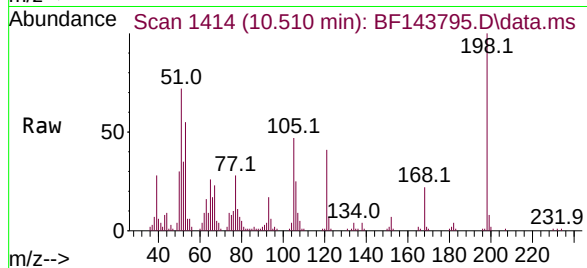
#65
4,6-Dinitro-2-methylphenol
Concen: 40.163 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 4244
Ion Ratio Lower Upper
198 100
51 72.0 52.0 92.0
105 47.5 27.5 67.5

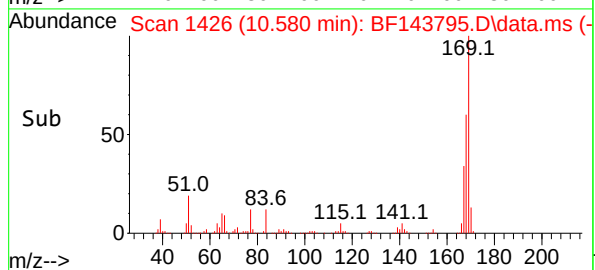
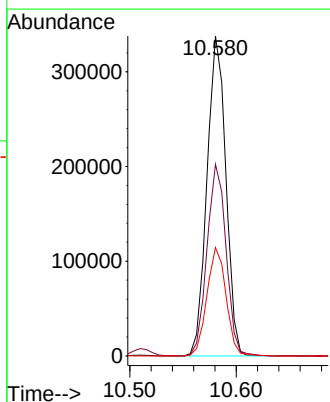
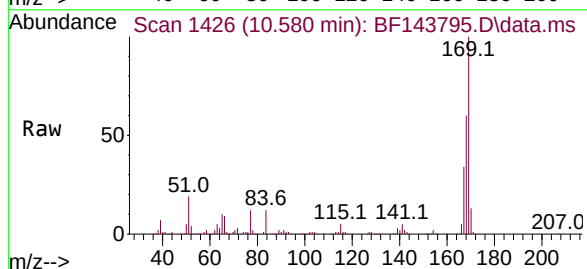
Manual Integrations
APPROVED

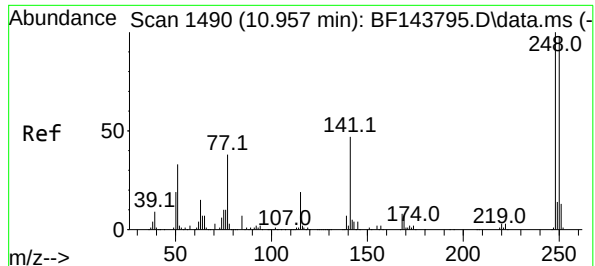
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#66
n-Nitrosodiphenylamine
Concen: 41.492 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

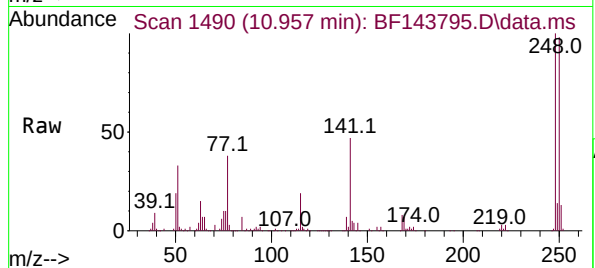
Tgt Ion:169 Resp: 416100
Ion Ratio Lower Upper
169 100
168 59.9 47.9 71.9
167 33.8 27.0 40.6





#67
4-Bromophenyl-phenylether
Concen: 42.319 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

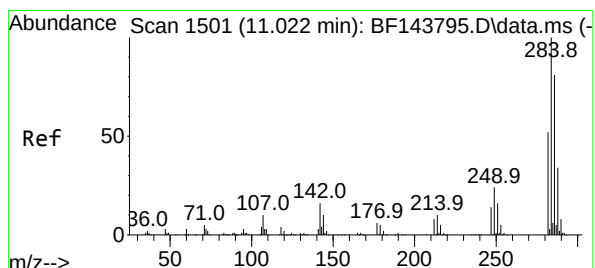
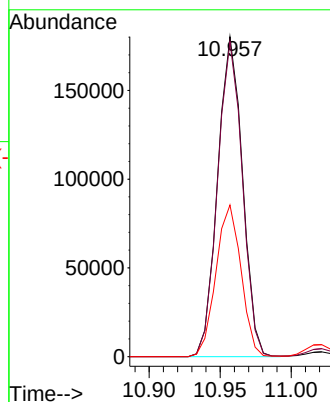
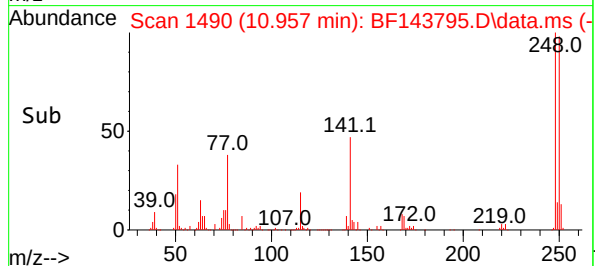
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



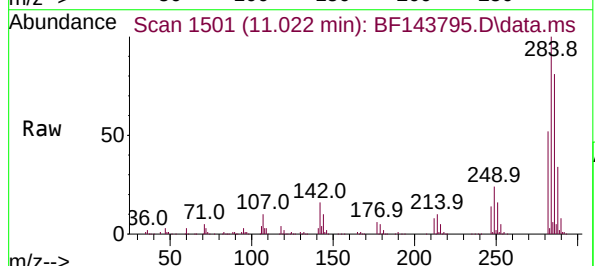
Tgt Ion:248 Resp: 219921
Ion Ratio Lower Upper
248 100
250 98.4 78.7 118.1
141 47.4 37.9 56.9

Manual Integrations
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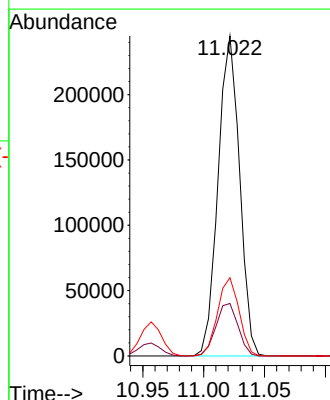
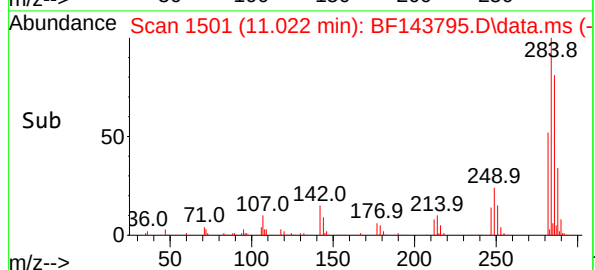
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

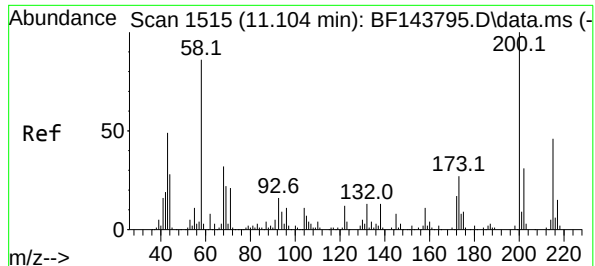


#68
Hexachlorobenzene
Concen: 41.941 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59



Tgt Ion:284 Resp: 300364
Ion Ratio Lower Upper
284 100
142 16.4 13.1 19.7
249 24.4 19.5 29.3





#69

Atrazine

Concen: 44.222 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:200 Resp: 128423

Ion Ratio Lower Upper

200 100

173 27.2 7.2 47.2

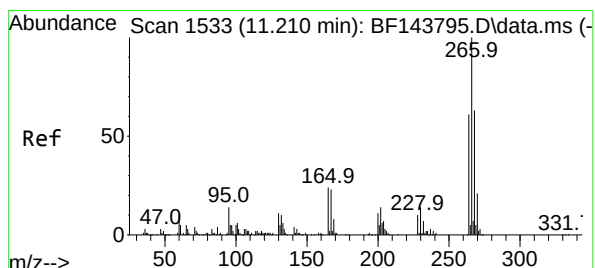
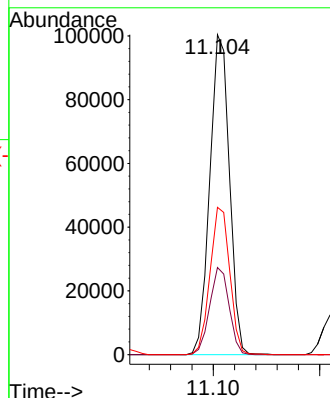
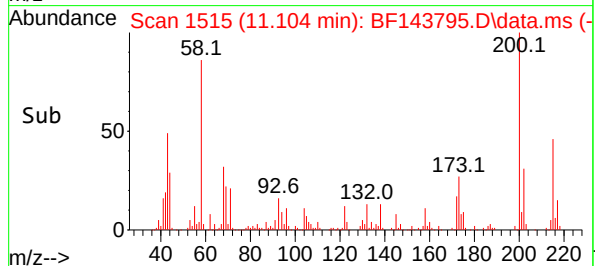
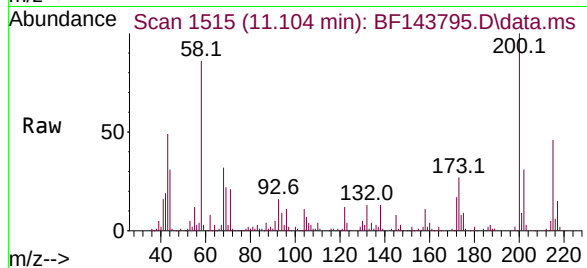
215 46.0 26.0 66.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#70

Pentachlorophenol

Concen: 43.781 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

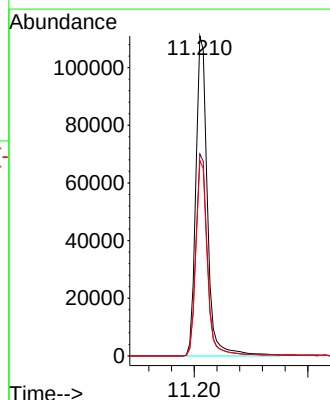
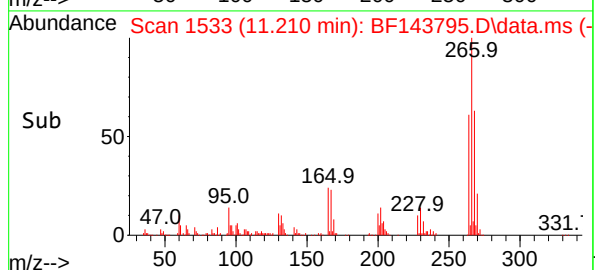
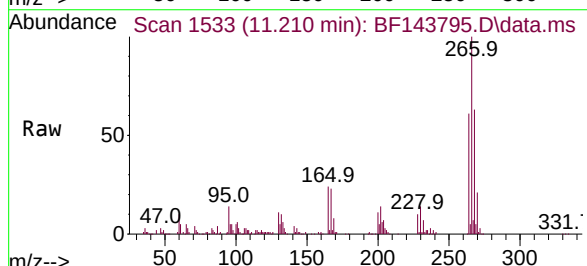
Tgt Ion:266 Resp: 156073

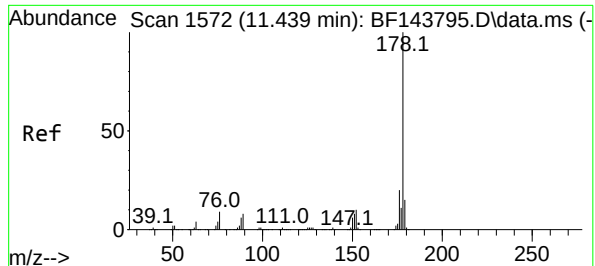
Ion Ratio Lower Upper

266 100

268 63.1 50.5 75.7

264 61.0 48.8 73.2





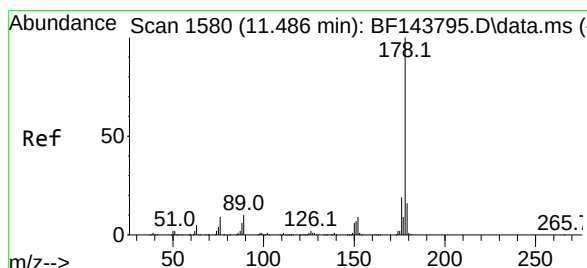
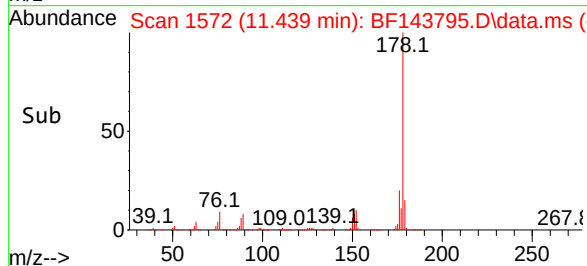
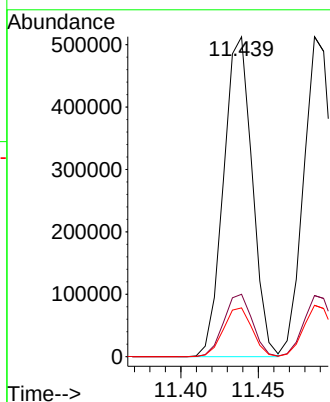
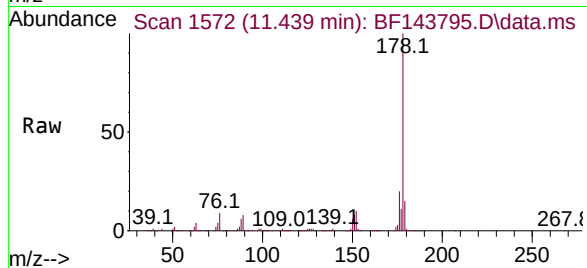
#71
Phenanthrene
Concen: 42.160 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 660040
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.3 12.2 18.4

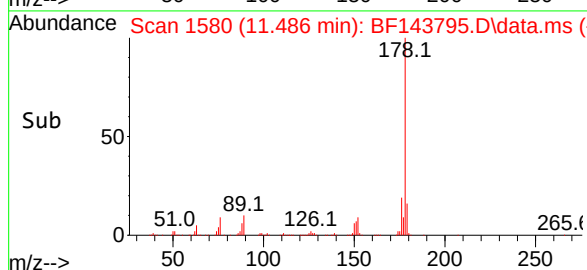
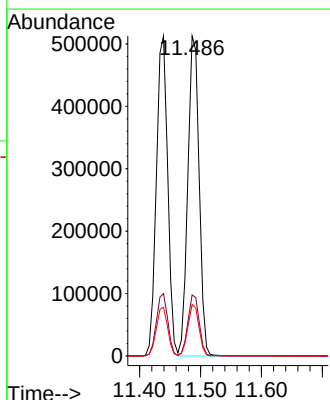
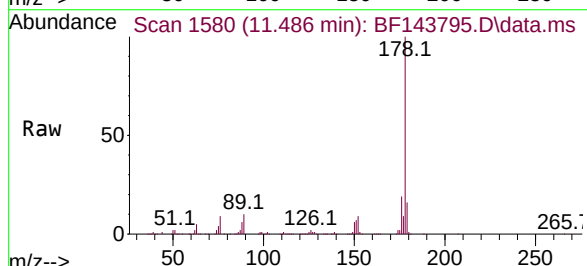
Manual Integrations
APPROVED

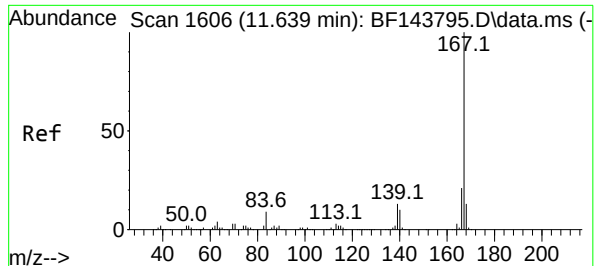
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#72
Anthracene
Concen: 42.075 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

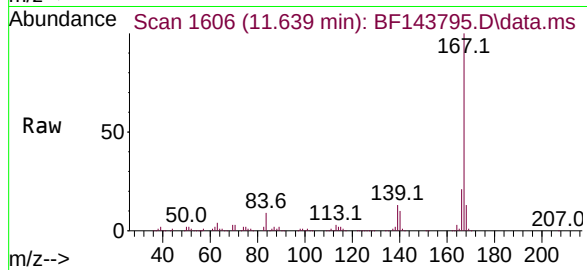
Tgt Ion:178 Resp: 660736
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.0 12.8 19.2





#73
Carbazole
Concen: 43.368 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

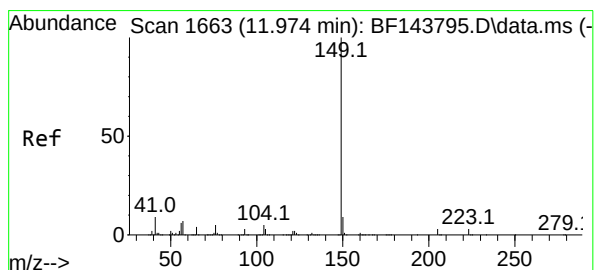
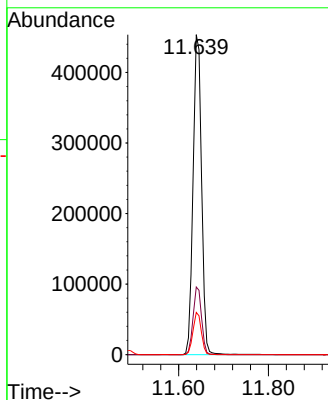
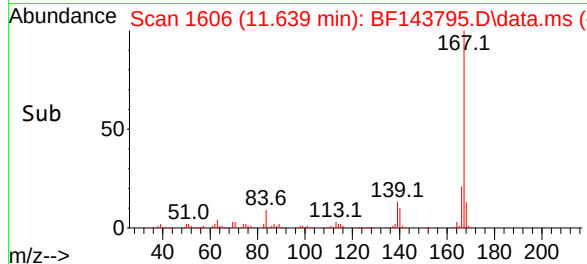
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



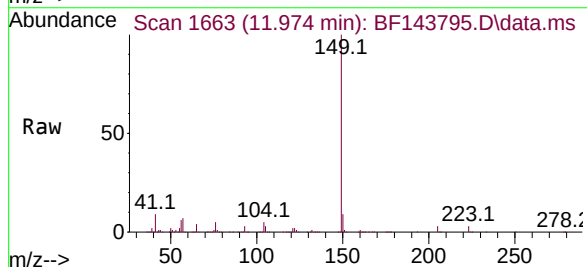
Tgt Ion:167 Resp: 595454
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 13.2 10.6 15.8

Manual Integrations
APPROVED

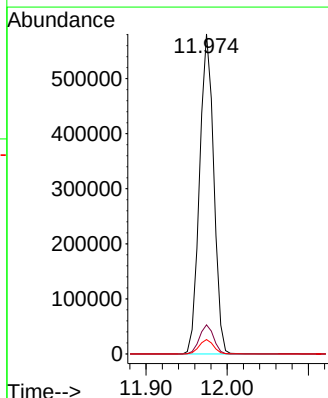
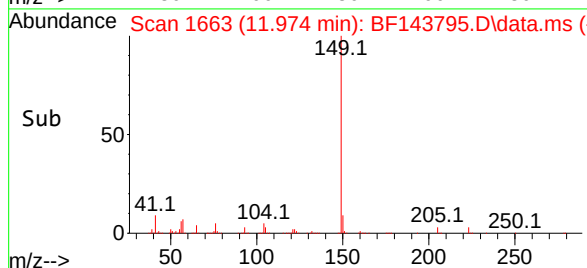
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

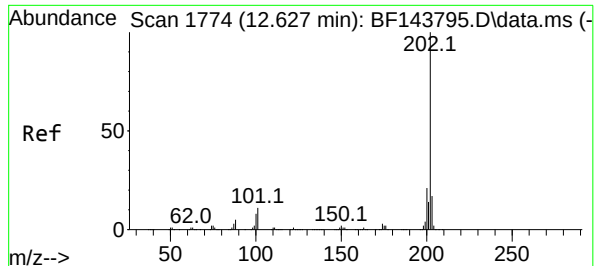


#74
Di-n-butylphthalate
Concen: 44.694 ng
RT: 11.974 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59



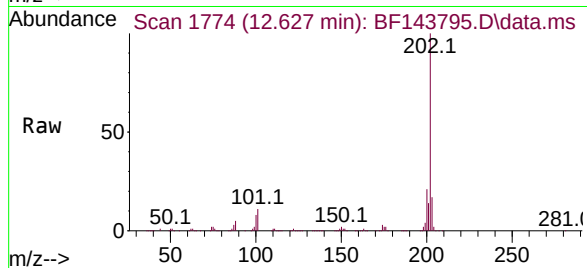
Tgt Ion:149 Resp: 705755
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 4.5 3.6 5.4





#75
Fluoranthene
Concen: 44.322 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

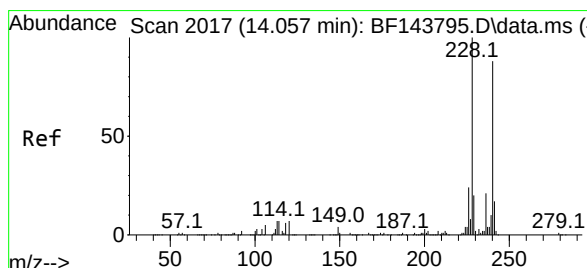
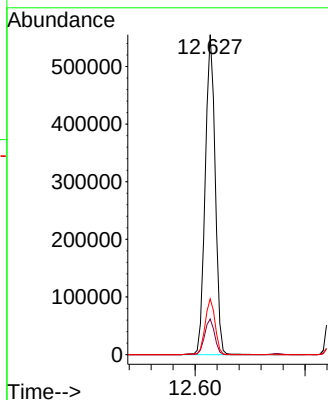
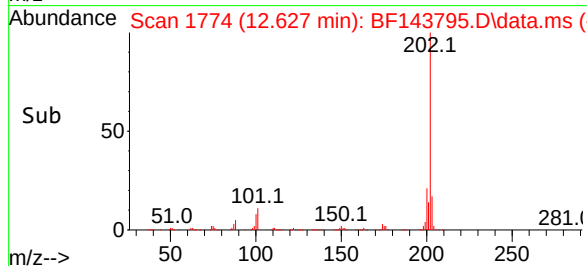
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 697899
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.1
203 17.4 0.0 37.4

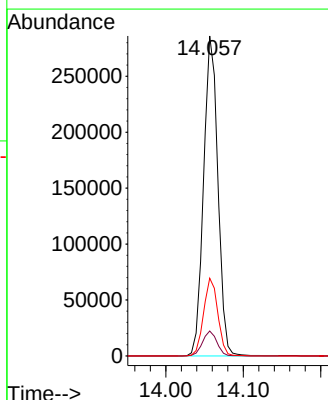
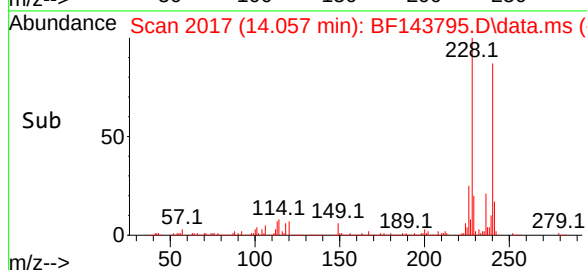
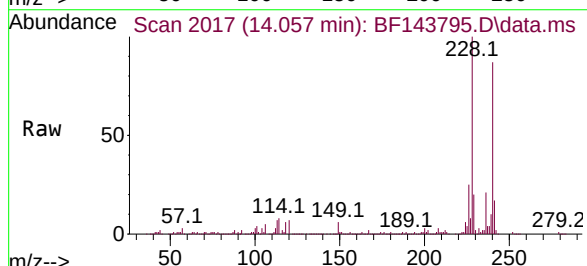
Manual Integrations
APPROVED

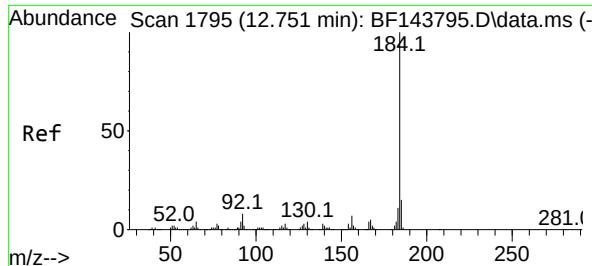
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

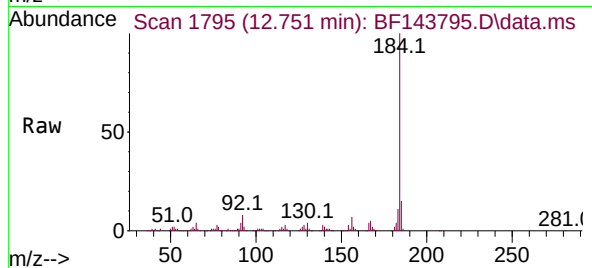
Tgt Ion:240 Resp: 365989
Ion Ratio Lower Upper
240 100
120 7.8 6.2 9.4
236 24.3 19.4 29.2





#77
Benzidine
Concen: 41.956 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

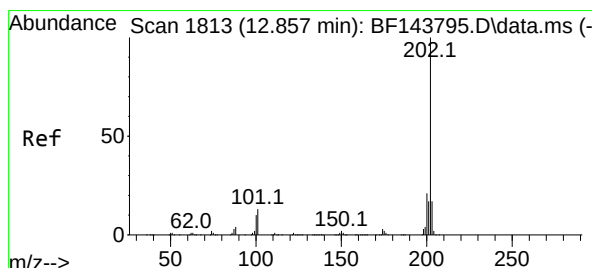
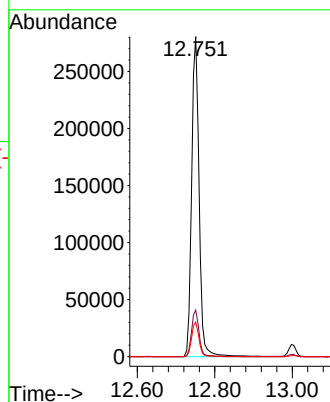
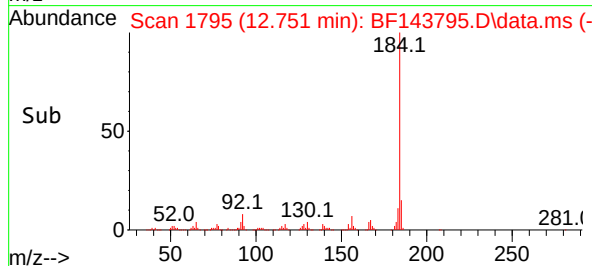
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:184 Resp: 374182
Ion Ratio Lower Upper
184 100
185 14.5 11.6 17.4
183 10.8 8.6 13.0

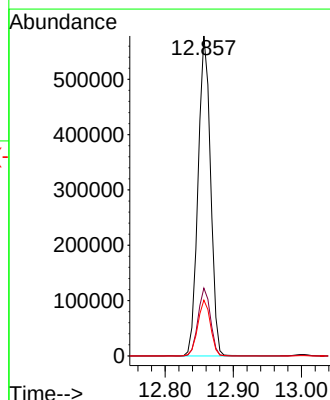
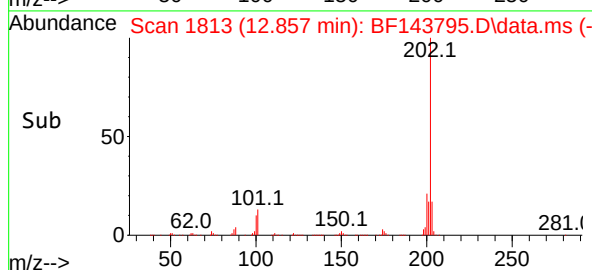
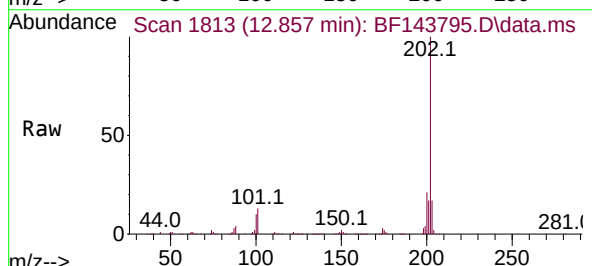
Manual Integrations
APPROVED

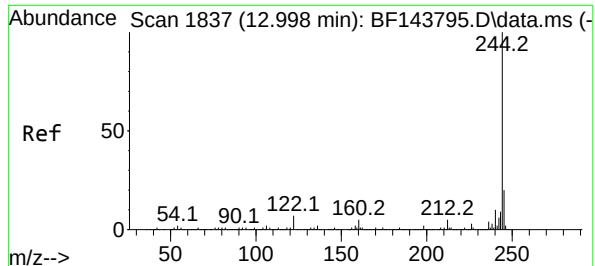
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#78
Pyrene
Concen: 40.870 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion:202 Resp: 735401
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.4 13.9 20.9





#79

Terphenyl-d14

Concen: 80.257 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143795.D

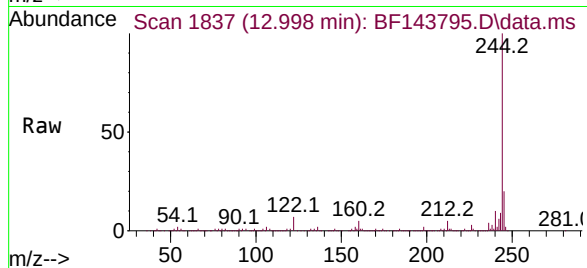
Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:244 Resp: 1496108

Ion Ratio Lower Upper

244 100

212 4.9 3.9 5.9

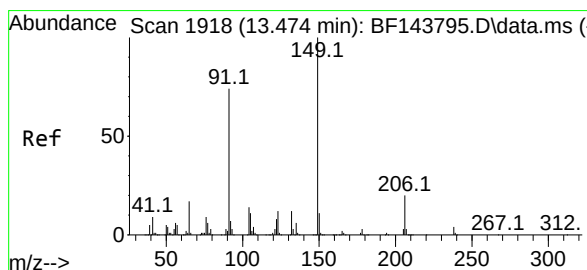
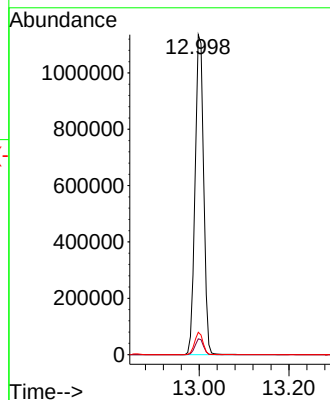
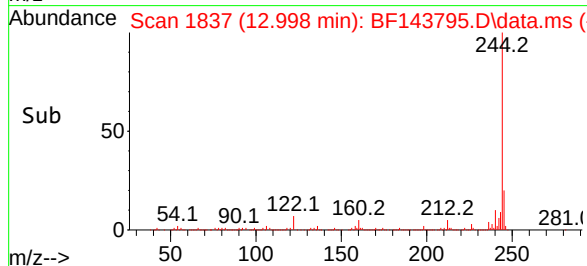
122 7.0 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#80

Butylbenzylphthalate

Concen: 46.027 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

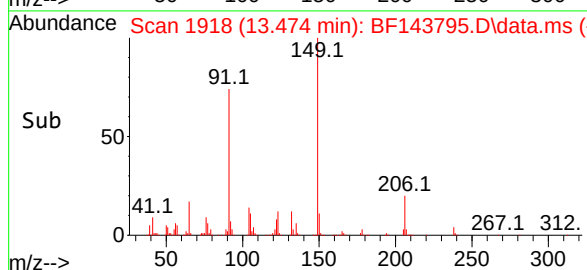
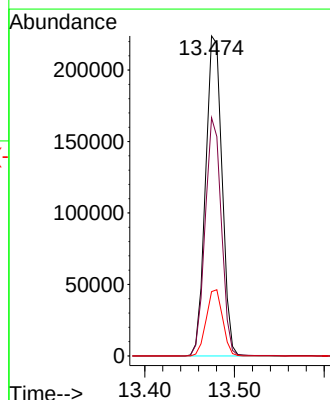
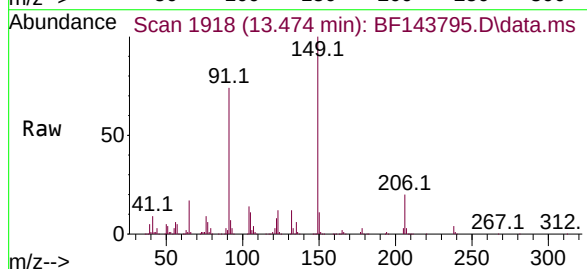
Tgt Ion:149 Resp: 286527

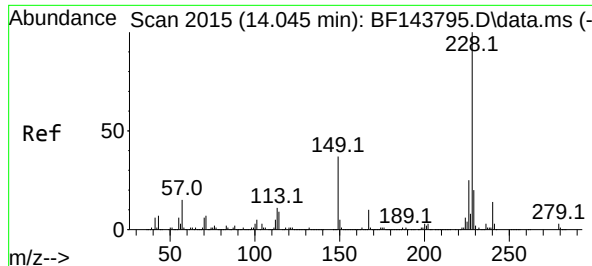
Ion Ratio Lower Upper

149 100

91 74.4 59.5 89.3

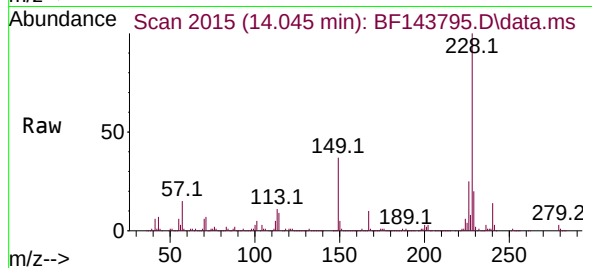
206 20.1 16.1 24.1





#81
Benzo(a)anthracene
Concen: 42.732 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

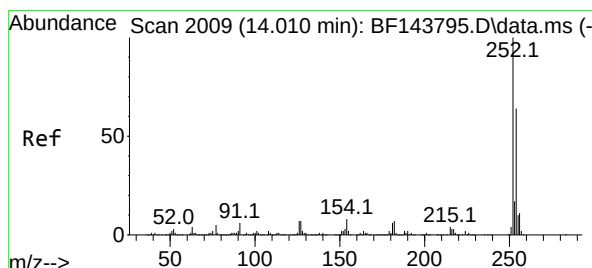
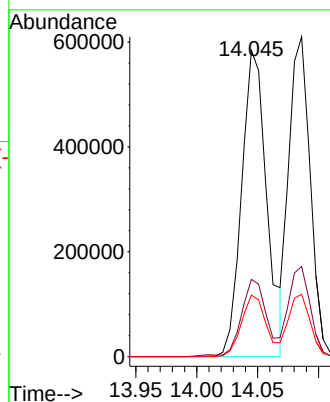
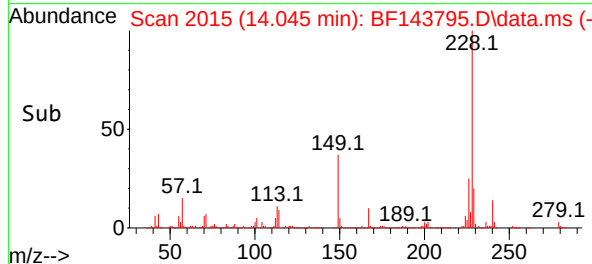
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 840188
Ion Ratio Lower Upper
228 100
226 25.2 20.2 30.2
229 20.1 16.1 24.1

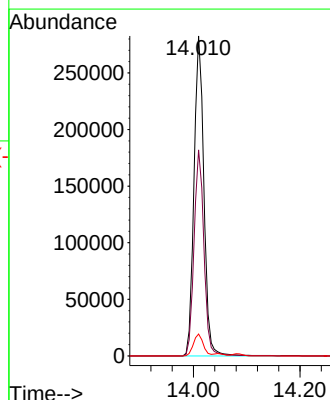
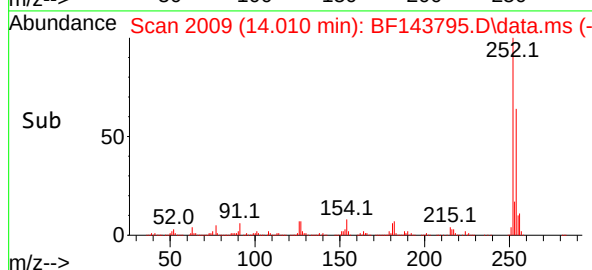
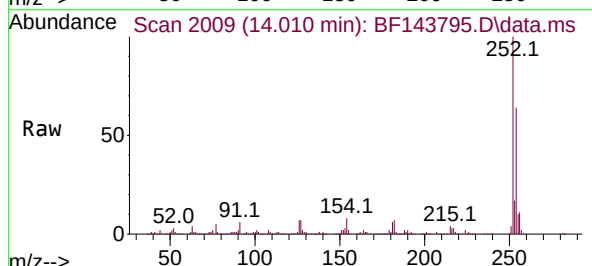
Manual Integrations
APPROVED

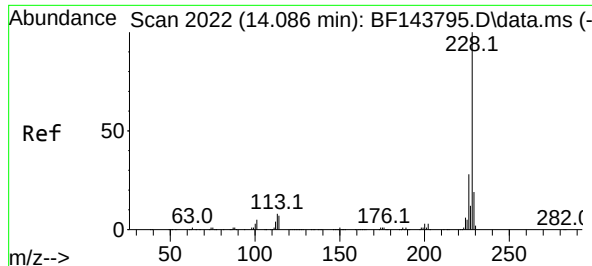
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#82
3,3'-Dichlorobenzidine
Concen: 42.702 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

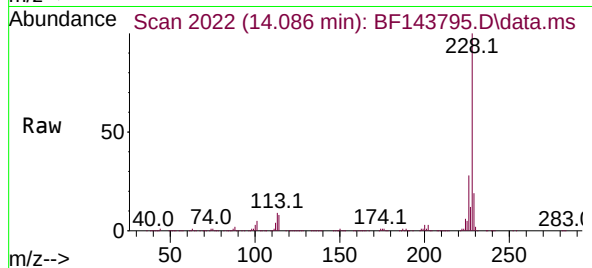
Tgt Ion:252 Resp: 363730
Ion Ratio Lower Upper
252 100
254 64.4 51.5 77.3
126 6.8 5.4 8.2





#83
Chrysene
Concen: 41.873 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

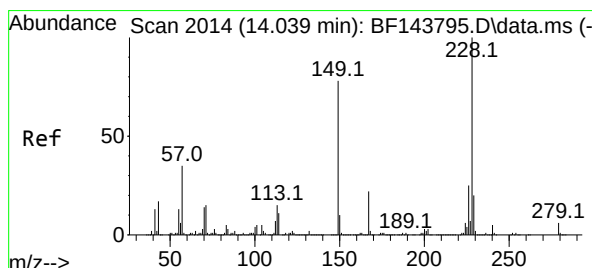
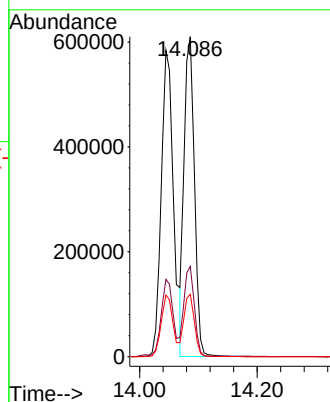
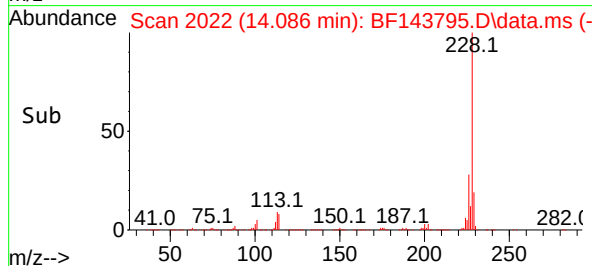
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



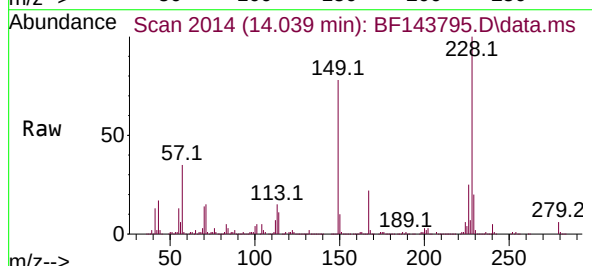
Tgt Ion:228 Resp: 744962
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 19.5 15.6 23.4

Manual Integrations
APPROVED

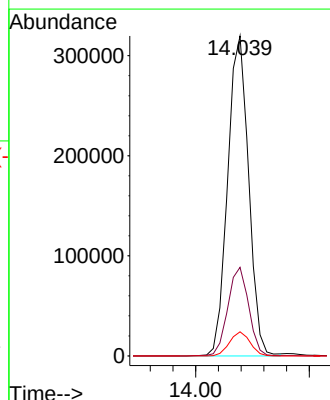
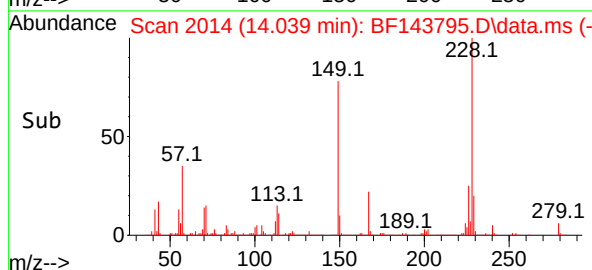
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

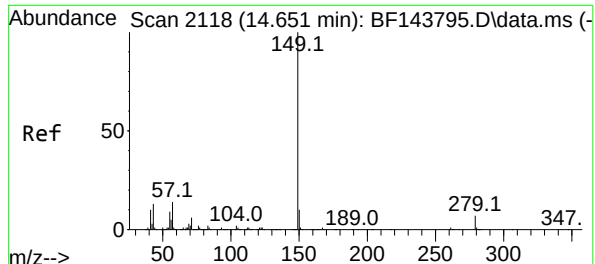


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.759 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59



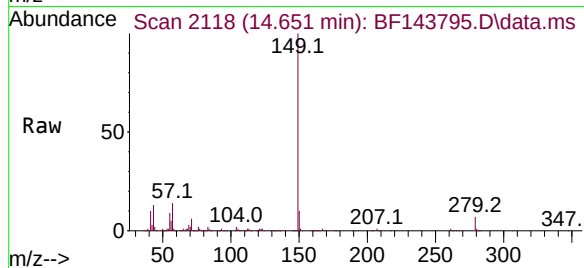
Tgt Ion:149 Resp: 408417
Ion Ratio Lower Upper
149 100
167 27.7 22.2 33.2
279 7.5 6.0 9.0





#85
Di-n-octyl phthalate
Concen: 44.811 ng
RT: 14.651 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

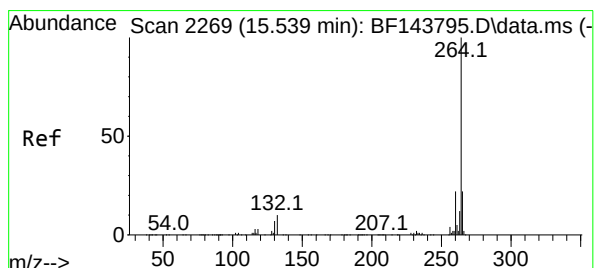
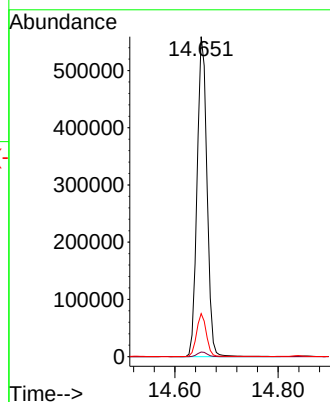
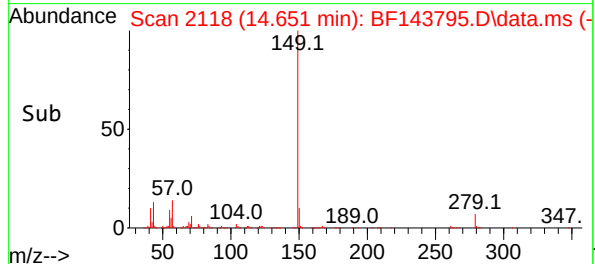
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 741702
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 13.4 10.7 16.1

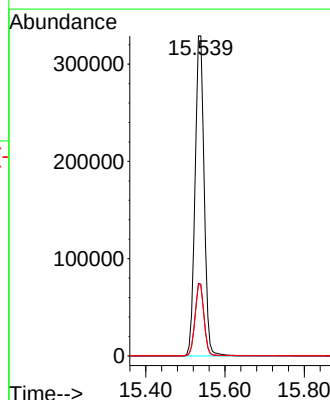
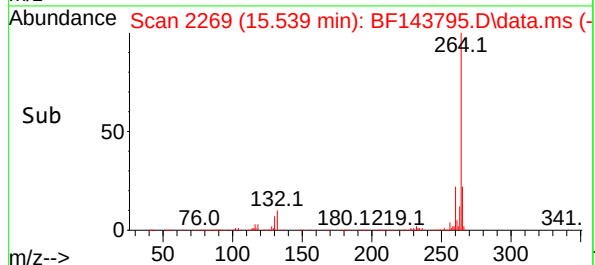
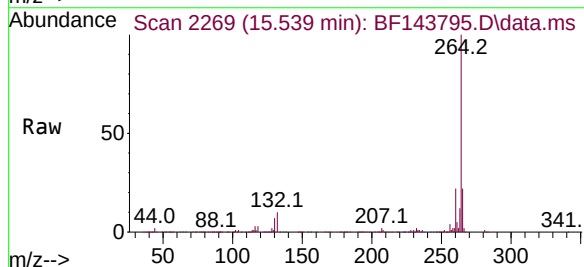
Manual Integrations
APPROVED

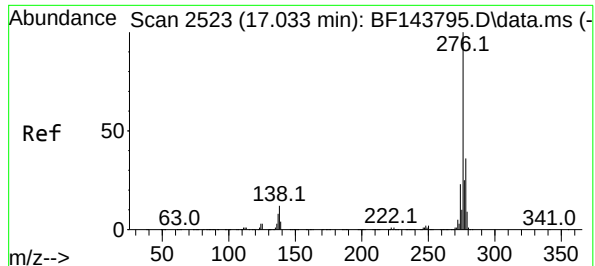
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

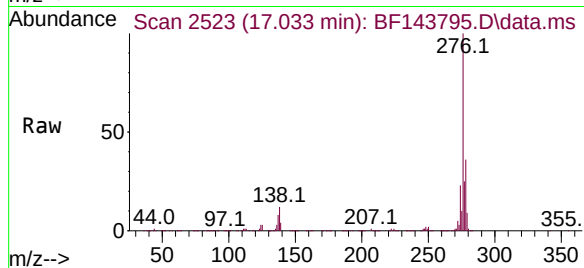
Tgt Ion:264 Resp: 525577
Ion Ratio Lower Upper
264 100
260 22.4 17.9 26.9
265 22.1 17.7 26.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 42.389 ng
RT: 17.033 min Scan# 2523
Delta R.T. -0.012 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

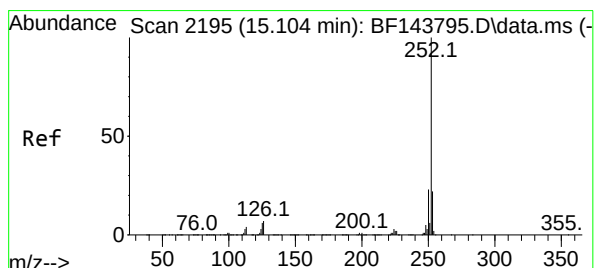
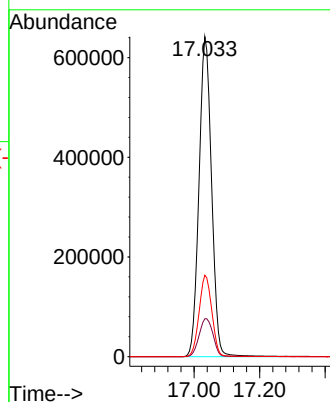
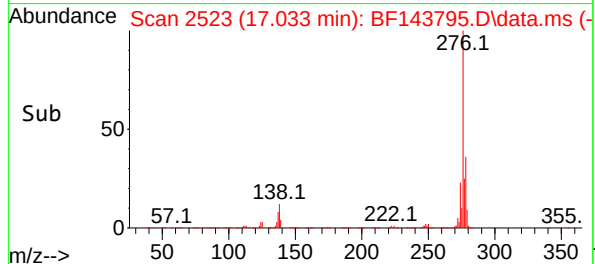
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:276 Resp: 1690390
Ion Ratio Lower Upper
276 100
138 13.2 10.6 15.8
277 25.9 20.7 31.1

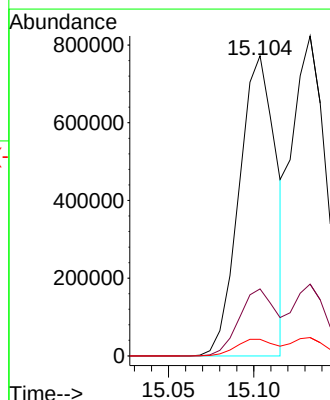
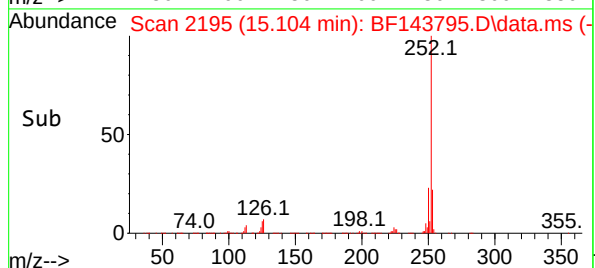
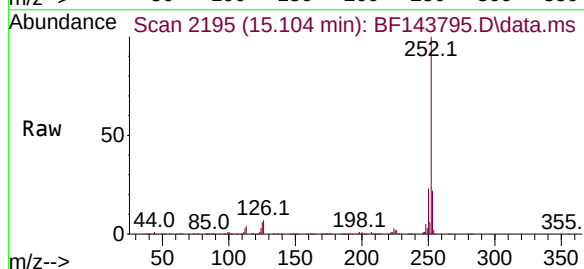
Manual Integrations
APPROVED

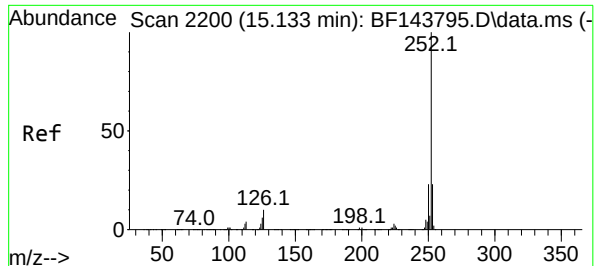
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#88
Benzo(b)fluoranthene
Concen: 43.365 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion:252 Resp: 1160651
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 5.5 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 42.573 ng

RT: 15.133 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 1144789

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

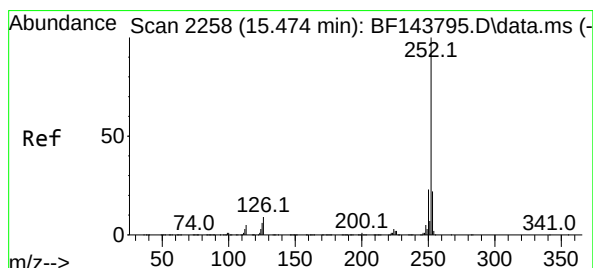
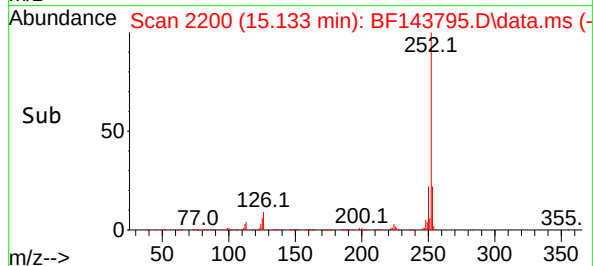
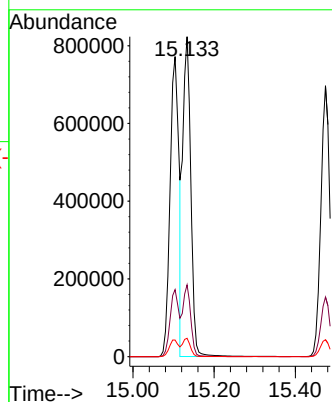
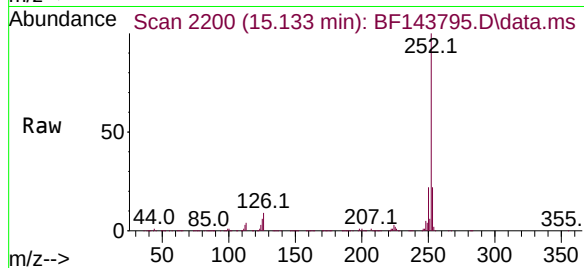
125 5.7 4.6 6.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#90

Benzo(a)pyrene

Concen: 42.908 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF143795.D

Acq: 23 Sep 2025 13:59

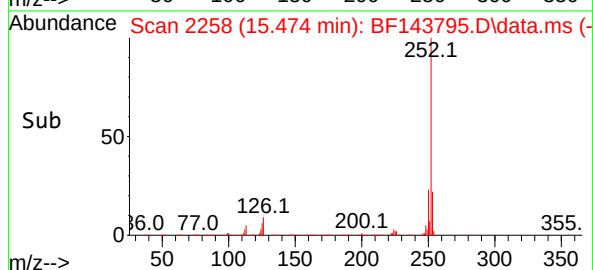
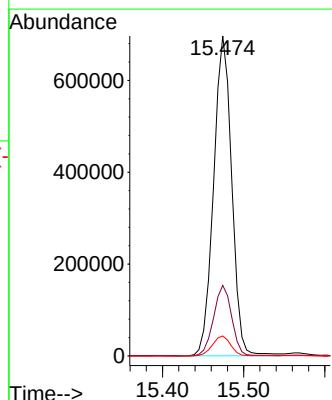
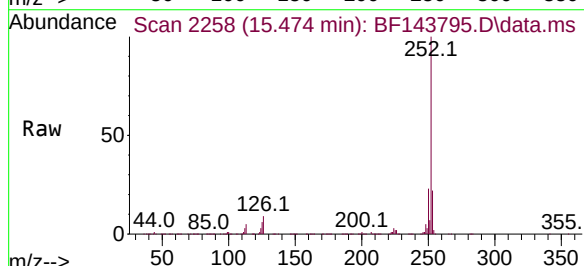
Tgt Ion:252 Resp: 1079512

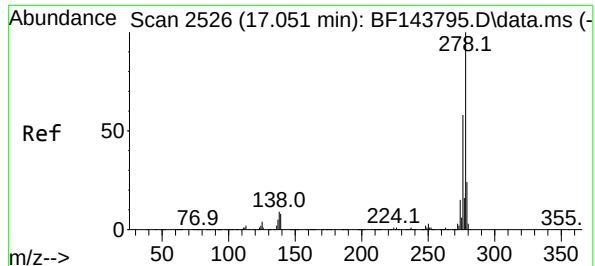
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

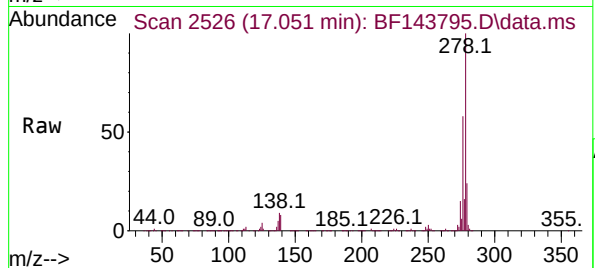
125 6.2 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 42.920 ng
RT: 17.051 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

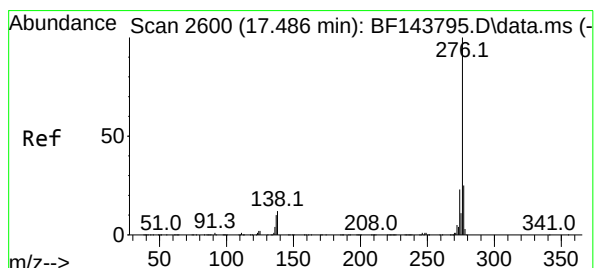
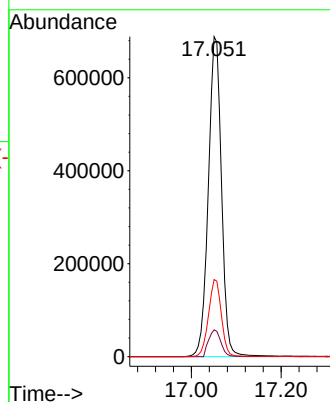
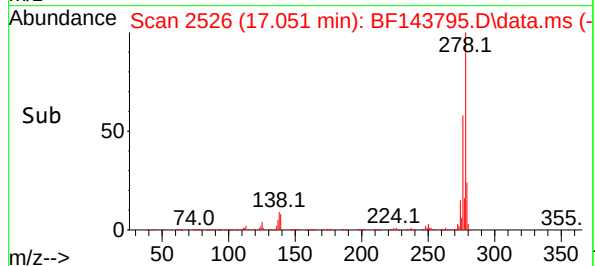
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:278 Resp: 1399884
Ion Ratio Lower Upper
278 100
139 8.4 6.7 10.1
279 24.1 19.3 28.9

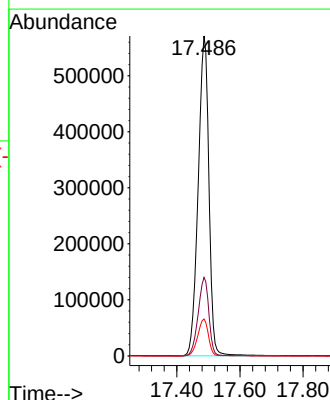
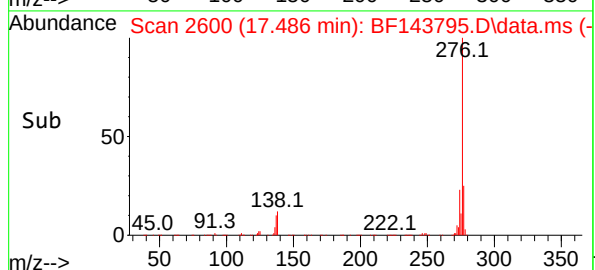
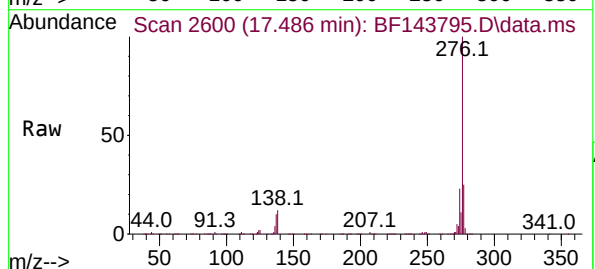
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#92
Benzo(g,h,i)perylene
Concen: 42.757 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.018 min
Lab File: BF143795.D
Acq: 23 Sep 2025 13:59

Tgt Ion:276 Resp: 1344334
Ion Ratio Lower Upper
276 100
277 24.5 19.6 29.4
138 11.5 9.2 13.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143796.D
 Acq On : 23 Sep 2025 14:28
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 17:06:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	138683	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	501953	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	251921	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	388493	20.000	ng	0.00
76) Chrysene-d12	14.057	240	388120	20.000	ng	0.00
86) Perylene-d12	15.533	264	541272	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	801520	93.013	ng	0.00
7) Phenol-d6	6.504	99	926468	91.106	ng	0.00
23) Nitrobenzene-d5	7.451	82	808554	101.372	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	354459	98.591	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1453709	85.274	ng	0.00
79) Terphenyl-d14	12.998	244	1903421	96.285	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	193379	47.331	ng	98
3) Pyridine	3.410	79	532244	48.261	ng	100
4) n-Nitrosodimethylamine	3.357	42	268794	48.607	ng	99
6) Aniline	6.545	93	672706	46.995	ng	99
8) 2-Chlorophenol	6.669	128	419160	47.967	ng	100
9) Benzaldehyde	6.440	77	459911	53.250	ng	98
10) Phenol	6.522	94	531938m	46.401	ng	
11) bis(2-Chloroethyl)ether	6.622	93	423912	47.173	ng	100
12) 1,3-Dichlorobenzene	6.828	146	466330	45.962	ng	98
13) 1,4-Dichlorobenzene	6.904	146	464335	45.859	ng	99
14) 1,2-Dichlorobenzene	7.057	146	442761	46.170	ng	99
15) Benzyl Alcohol	7.022	79	348008	48.833	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1004151	47.124	ng	99
17) 2-Methylphenol	7.128	107	325304	48.084	ng	99
18) Hexachloroethane	7.404	117	167022	46.905	ng	96
19) n-Nitroso-di-n-propyla...	7.298	70	292083	46.054	ng	98
20) 3+4-Methylphenols	7.287	107	394272	47.855	ng	# 90
22) Acetophenone	7.298	105	503776	45.695	ng	99
24) Nitrobenzene	7.469	77	448291	49.320	ng	98
25) Isophorone	7.704	82	782800	48.987	ng	100
26) 2-Nitrophenol	7.787	139	188140	50.281	ng	94
27) 2,4-Dimethylphenol	7.816	122	351504	49.214	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	492835	47.470	ng	100
29) 2,4-Dichlorophenol	8.022	162	342962	48.801	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	345360	47.353	ng	100
31) Naphthalene	8.192	128	1112658	46.304	ng	100
32) Benzoic acid	7.910	122	185973	53.967	ng	96
33) 4-Chloroaniline	8.239	127	405365	48.005	ng	100
34) Hexachlorobutadiene	8.310	225	258638	47.570	ng	99
35) Caprolactam	8.604	113	92410	51.444	ng	95
36) 4-Chloro-3-methylphenol	8.710	107	327629	49.707	ng	97
37) 2-Methylnaphthalene	8.881	142	712848	46.524	ng	99
38) 1-Methylnaphthalene	8.981	142	689609	47.022	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	351998	46.300	ng	99
41) Hexachlorocyclopentadiene	9.034	237	240402	49.894	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	238499	50.100	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143796.D
 Acq On : 23 Sep 2025 14:28
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 17:06:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

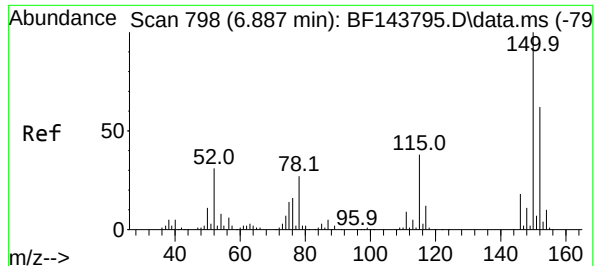
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	239256	48.050	ng	99
46) 1,1'-Biphenyl	9.345	154	838250	45.967	ng	99
47) 2-Chloronaphthalene	9.375	162	678591	46.229	ng	99
48) 2-Nitroaniline	9.463	65	239106	53.895	ng	99
49) Acenaphthylene	9.786	152	943926	46.711	ng	100
50) Dimethylphthalate	9.639	163	738918	48.124	ng	100
51) 2,6-Dinitrotoluene	9.704	165	141300	56.010	ng	98
52) Acenaphthene	9.957	154	613218	46.113	ng	99
53) 3-Nitroaniline	9.875	138	163244	53.384	ng	100
54) 2,4-Dinitrophenol	9.975	184	41616	49.728	ng	# 73
55) Dibenzofuran	10.133	168	867169	46.115	ng	100
56) 4-Nitrophenol	10.022	139	121266	49.212	ng	95
57) 2,4-Dinitrotoluene	10.104	165	185701	49.496	ng	99
58) Fluorene	10.475	166	632710	45.259	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	223693	52.440	ng	99
60) Diethylphthalate	10.345	149	692482	48.178	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	332223	46.640	ng	98
62) 4-Nitroaniline	10.486	138	152165	52.923	ng	99
63) Azobenzene	10.628	77	722936	47.725	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	72195	50.124	ng	90
66) n-Nitrosodiphenylamine	10.586	169	603084	47.203	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	324243	48.975	ng	99
68) Hexachlorobenzene	11.022	284	433735	47.539	ng	99
69) Atrazine	11.110	200	180897	48.894	ng	98
70) Pentachlorophenol	11.216	266	231733	51.024	ng	99
71) Phenanthrene	11.439	178	920438	46.149	ng	100
72) Anthracene	11.492	178	936801	46.825	ng	99
73) Carbazole	11.639	167	814499	46.564	ng	100
74) Di-n-butylphthalate	11.975	149	990005	49.211	ng	100
75) Fluoranthene	12.627	202	926047	46.163	ng	99
77) Benzidine	12.751	184	553563	58.531	ng	99
78) Pyrene	12.857	202	960254	50.323	ng	99
80) Butylbenzylphthalate	13.474	149	356288	53.969	ng	99
81) Benzo(a)anthracene	14.045	228	1009406	48.411	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	445355	49.304	ng	100
83) Chrysene	14.086	228	882028	46.750	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	489947	50.632	ng	100
85) Di-n-octyl phthalate	14.651	149	875478	49.877	ng	99
87) Indeno(1,2,3-cd)pyrene	17.033	276	2041373	49.707	ng	99
88) Benzo(b)fluoranthene	15.104	252	1356316	49.206	ng	100
89) Benzo(k)fluoranthene	15.133	252	1347591	48.662	ng	100
90) Benzo(a)pyrene	15.474	252	1283604	49.541	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	1673679	49.826	ng	99
92) Benzo(g,h,i)perylene	17.486	276	1623902	50.151	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

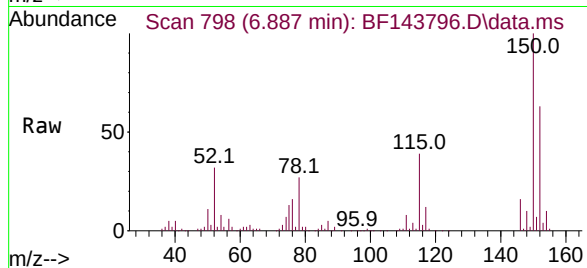
Manual Integrations APPROVED

[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

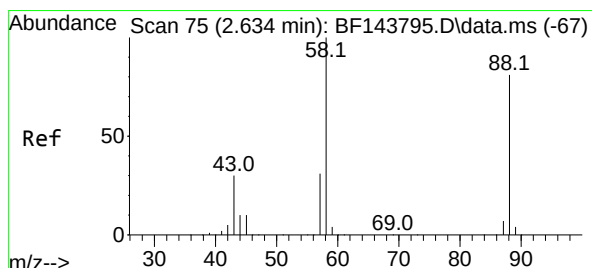
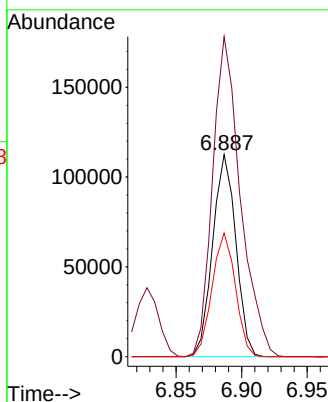
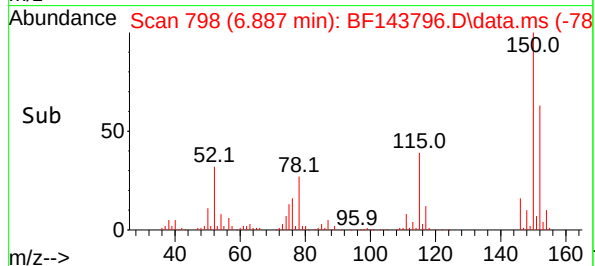
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 138683
Ion Ratio Lower Upper
152 100
150 158.4 129.6 194.4
115 61.2 49.0 73.4

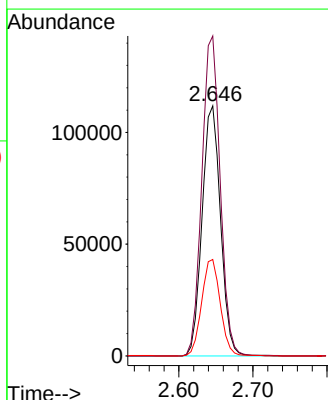
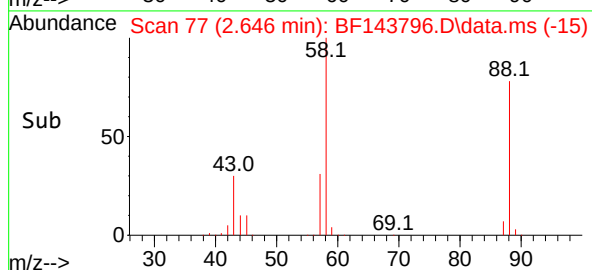
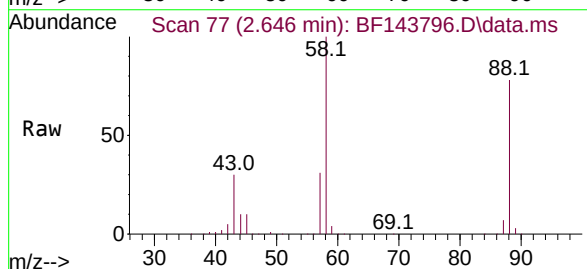
Manual Integrations
APPROVED

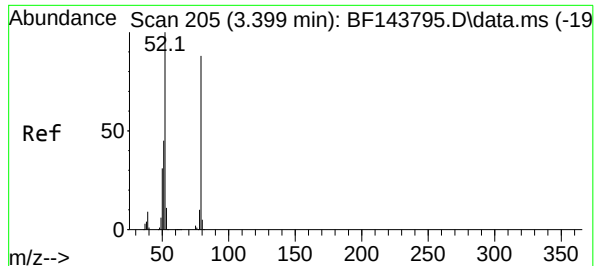
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#2
1,4-Dioxane
Concen: 47.331 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.012 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

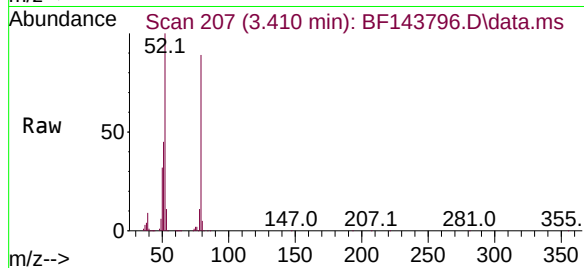
Tgt Ion: 88 Resp: 193379
Ion Ratio Lower Upper
88 100
58 127.4 99.4 149.2
43 38.9 30.6 45.8





#3
Pyridine
Concen: 48.261 ng
RT: 3.410 min Scan# 205
Delta R.T. 0.012 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

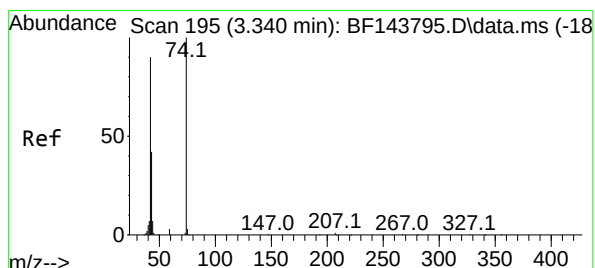
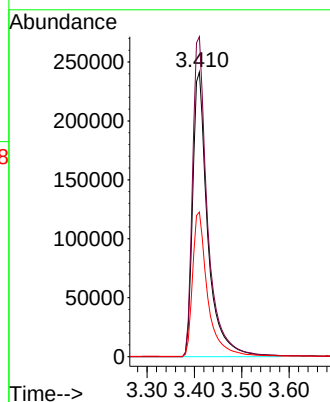
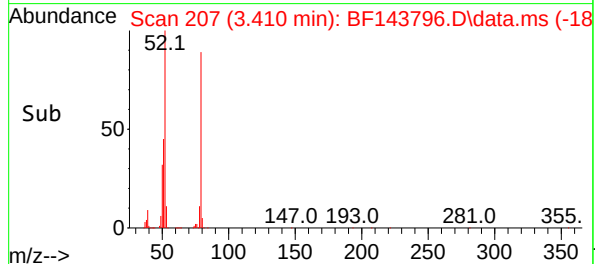
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 79 Resp: 532244
Ion Ratio Lower Upper
79 100
52 112.5 90.5 135.7
51 50.8 40.6 61.0

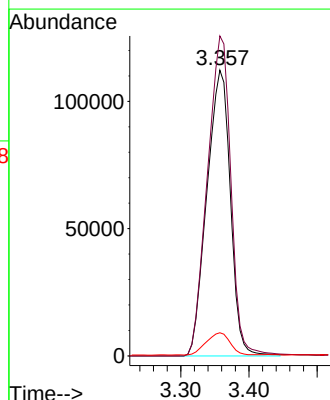
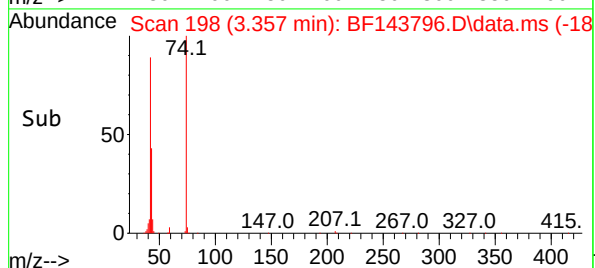
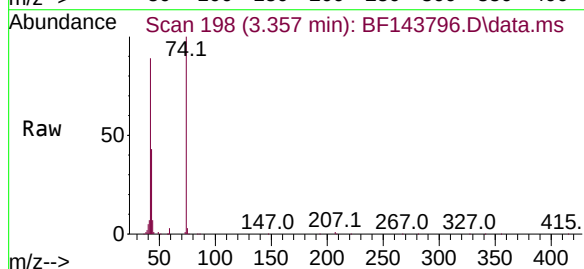
Manual Integrations
APPROVED

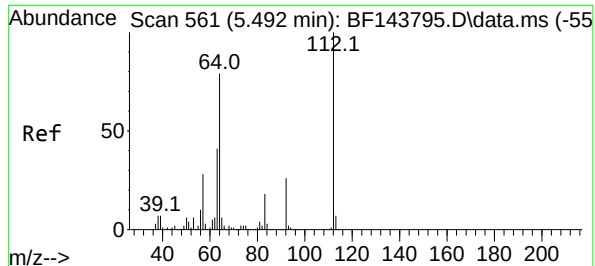
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#4
n-Nitrosodimethylamine
Concen: 48.607 ng
RT: 3.357 min Scan# 198
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Tgt Ion: 42 Resp: 268794
Ion Ratio Lower Upper
42 100
74 112.0 89.1 133.7
44 8.1 6.4 9.6





#5

2-Fluorophenol

Concen: 93.013 ng

RT: 5.493 min Scan# 50

Delta R.T. -0.006 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:112 Resp: 801520

Ion Ratio Lower Upper

112 100

64 79.4 63.0 94.4

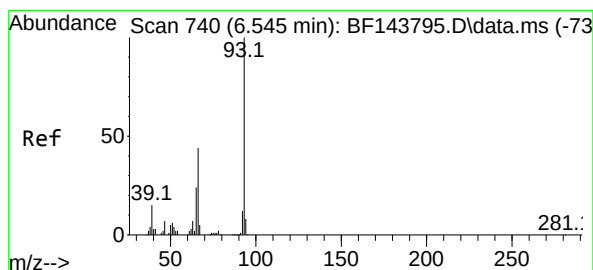
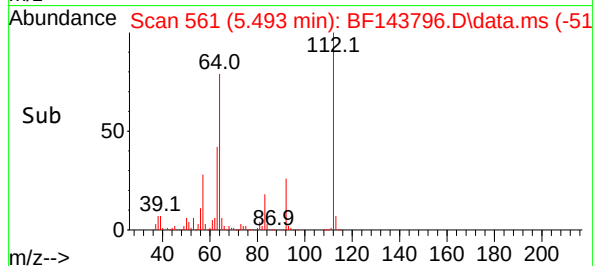
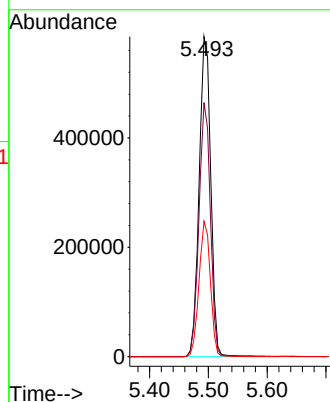
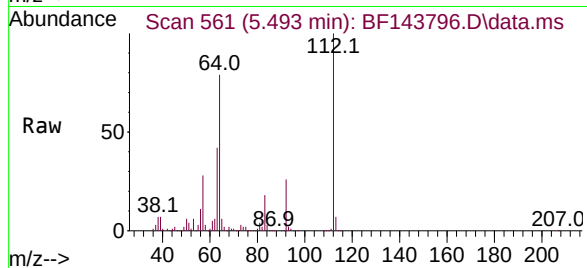
63 42.3 32.6 49.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#6

Aniline

Concen: 46.995 ng

RT: 6.545 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

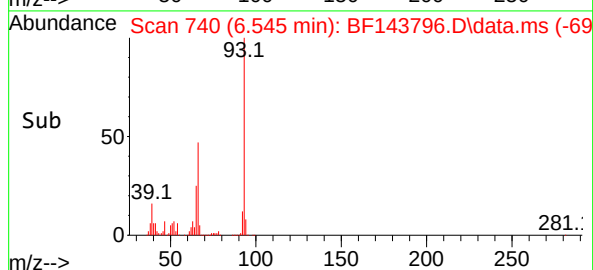
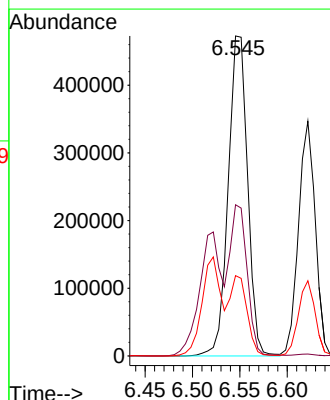
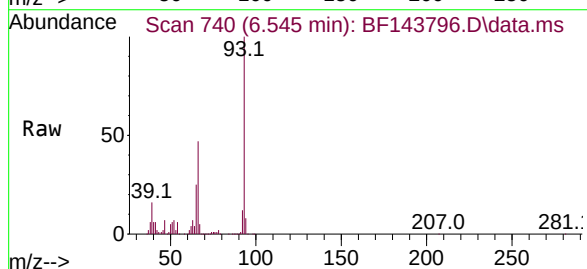
Tgt Ion: 93 Resp: 672706

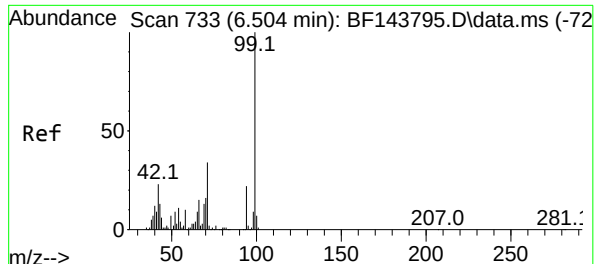
Ion Ratio Lower Upper

93 100

66 47.2 37.1 55.7

65 25.1 19.4 29.0





#7

Phenol-d6

Concen: 91.106 ng

RT: 6.504 min Scan# 733

Delta R.T. -0.006 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 99 Resp: 926468

Ion Ratio Lower Upper

99 100

42 24.1 18.6 28.0

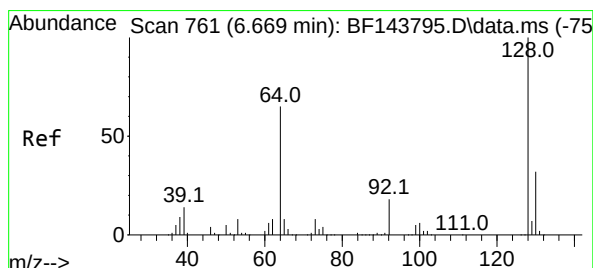
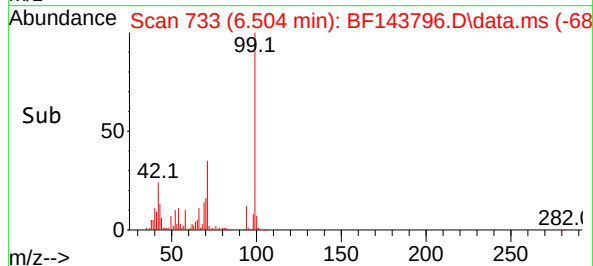
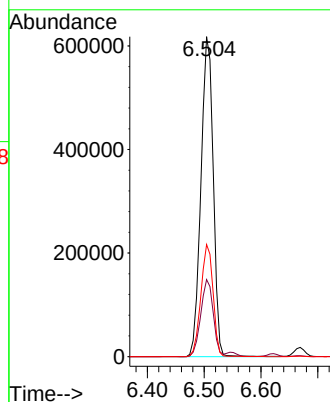
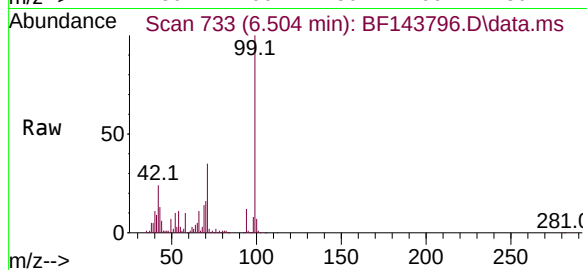
71 35.0 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#8

2-Chlorophenol

Concen: 47.967 ng

RT: 6.669 min Scan# 761

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

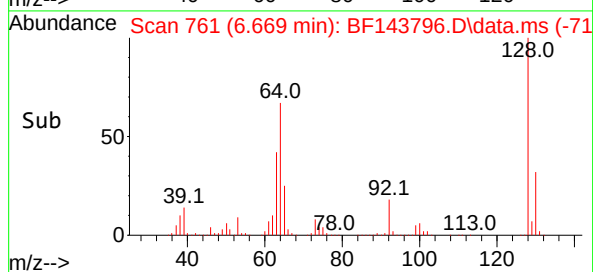
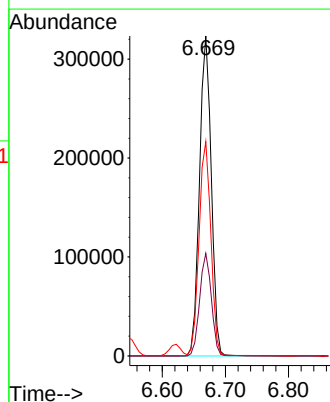
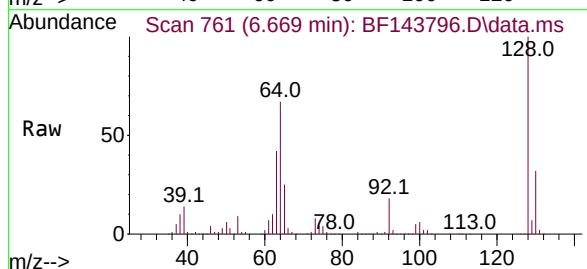
Tgt Ion:128 Resp: 419160

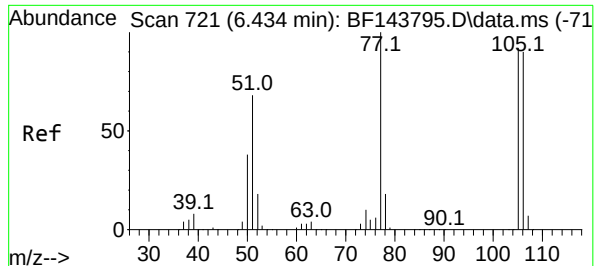
Ion Ratio Lower Upper

128 100

130 32.0 12.2 52.2

64 66.9 46.5 86.5





#9

Benzaldehyde

Concen: 53.250 ng

RT: 6.440 min Scan# 721

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 77 Resp: 45991

Ion Ratio Lower Upper

77 100

105 93.9 71.8 111.8

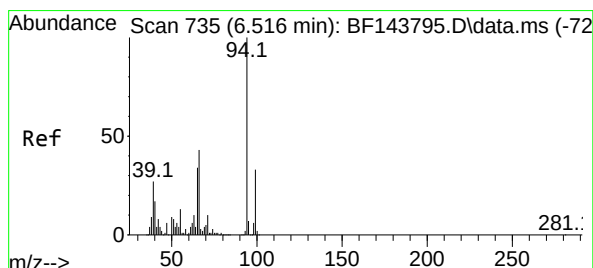
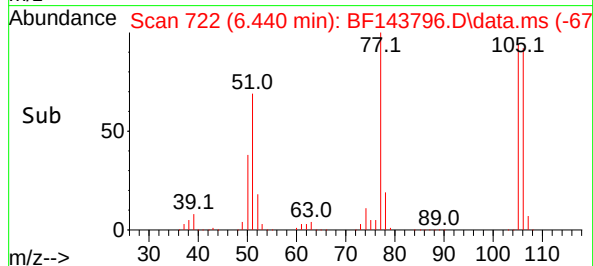
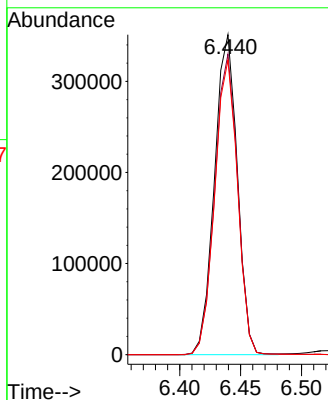
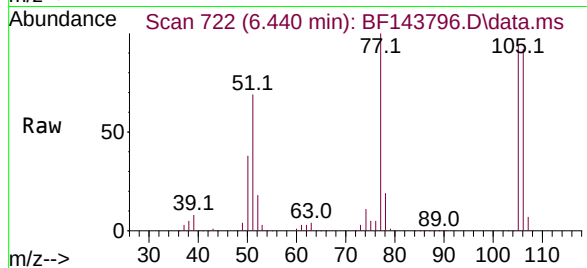
106 92.0 69.8 109.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#10

Phenol

Concen: 46.401 ng m

RT: 6.522 min Scan# 736

Delta R.T. -0.006 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

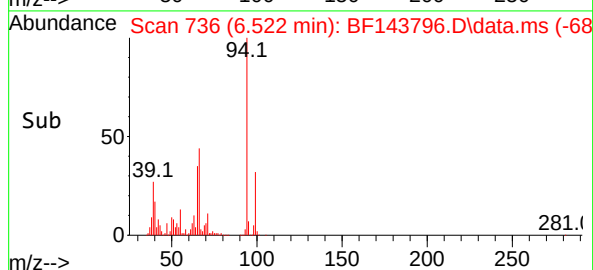
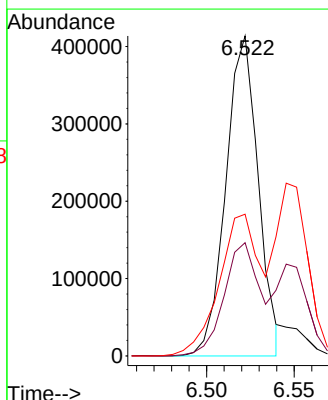
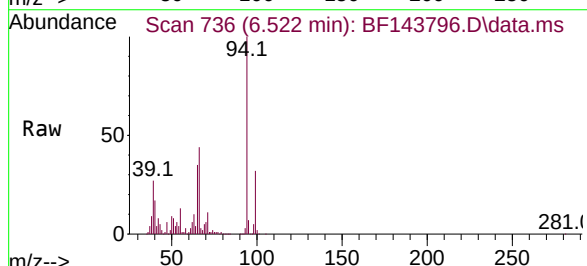
Tgt Ion: 94 Resp: 531938

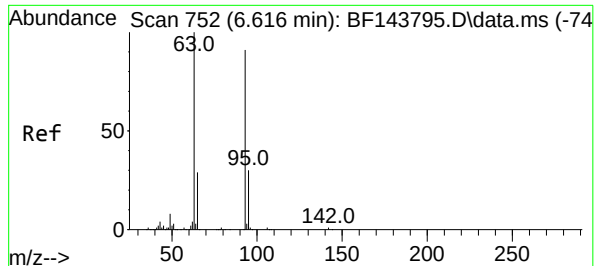
Ion Ratio Lower Upper

94 100

65 35.4 14.2 54.2

66 44.3 24.1 64.1





#11

bis(2-Chloroethyl)ether

Concen: 47.173 ng

RT: 6.622 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 93 Resp: 423912

Ion Ratio Lower Upper

93 100

63 108.9 89.2 129.2

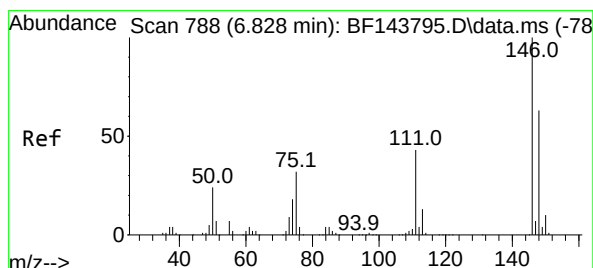
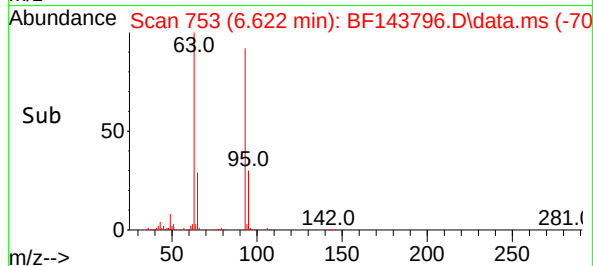
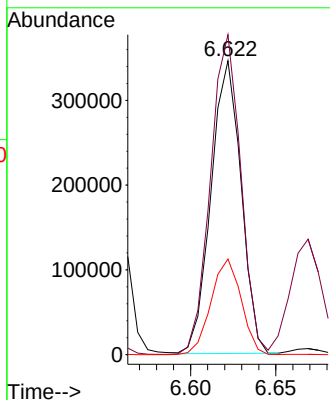
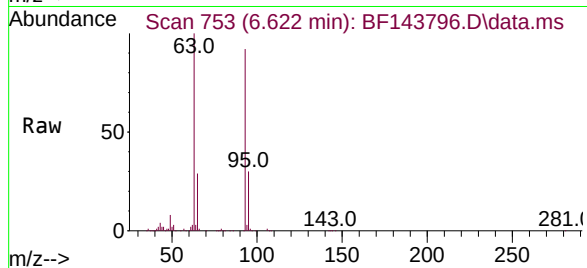
95 32.5 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#12

1,3-Dichlorobenzene

Concen: 45.962 ng

RT: 6.828 min Scan# 788

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

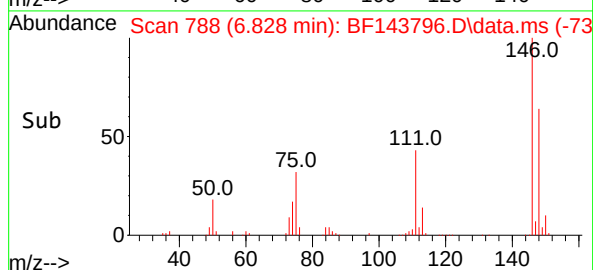
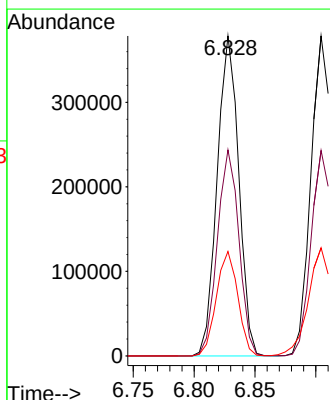
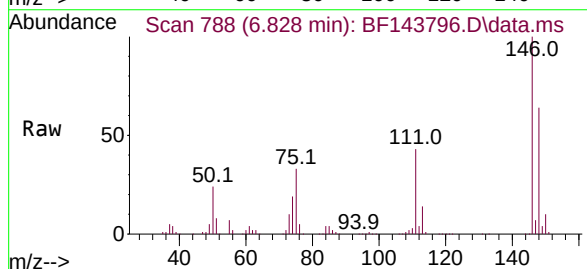
Tgt Ion:146 Resp: 466330

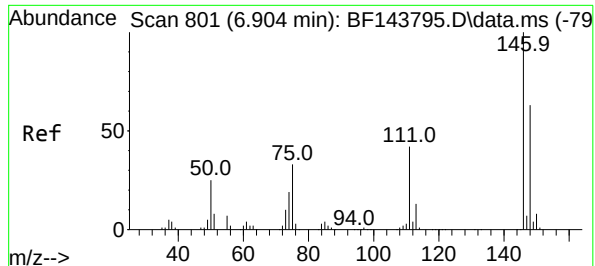
Ion Ratio Lower Upper

146 100

148 64.4 50.4 75.6

75 32.6 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 45.859 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 464335

Ion Ratio Lower Upper

146 100

148 64.2 50.7 76.1

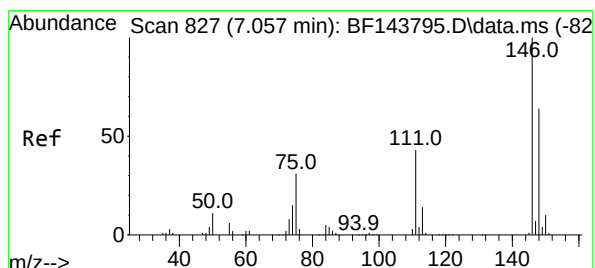
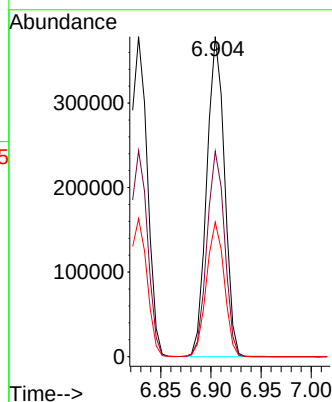
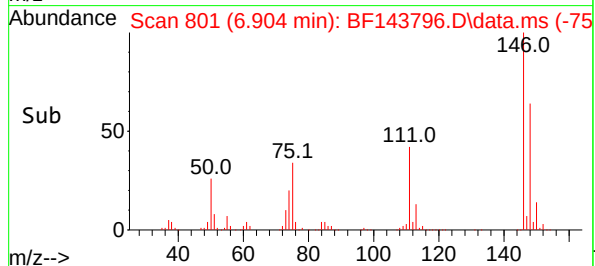
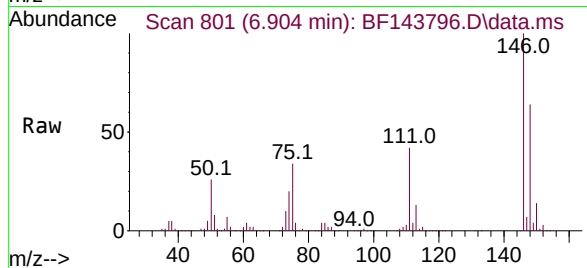
111 42.0 33.4 50.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#14

1,2-Dichlorobenzene

Concen: 46.170 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

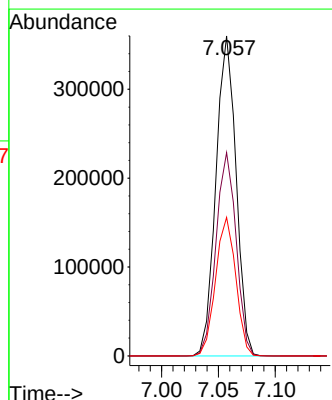
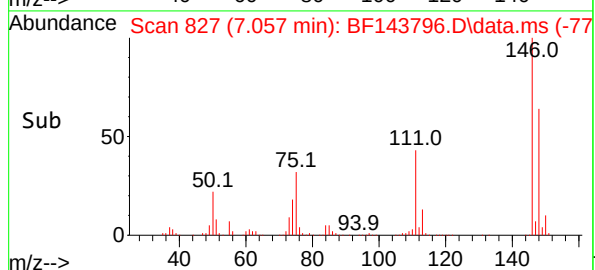
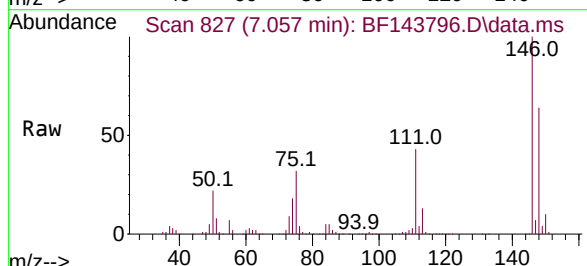
Tgt Ion:146 Resp: 442761

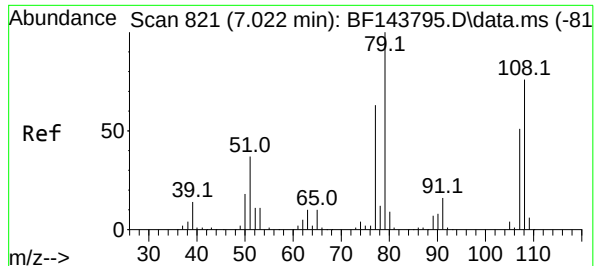
Ion Ratio Lower Upper

146 100

148 63.6 51.1 76.7

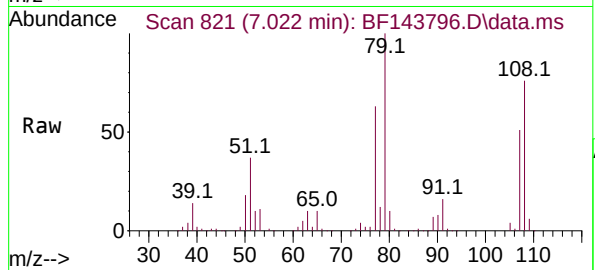
111 43.3 34.3 51.5





#15
Benzyl Alcohol
Concen: 48.833 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

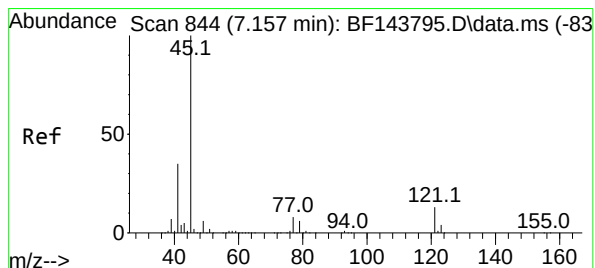
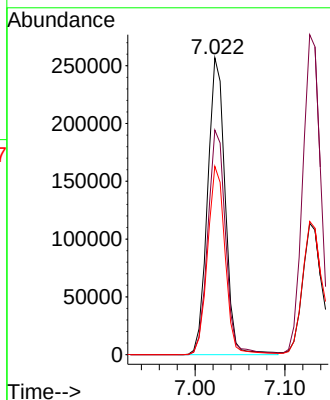
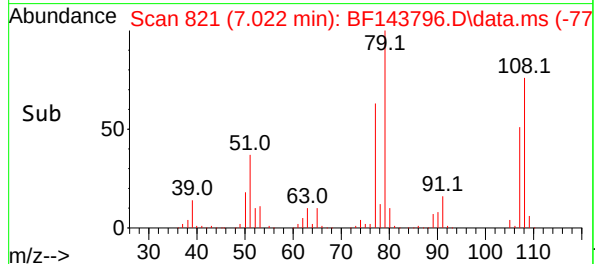
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 79 Resp: 348008
Ion Ratio Lower Upper
79 100
108 75.6 60.5 90.7
77 63.4 50.3 75.5

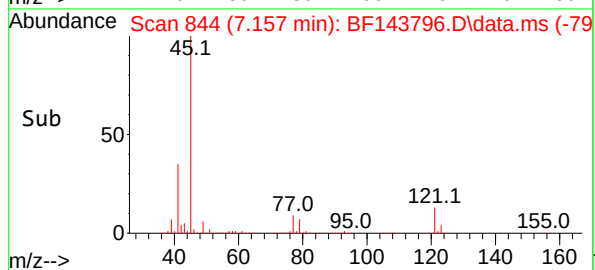
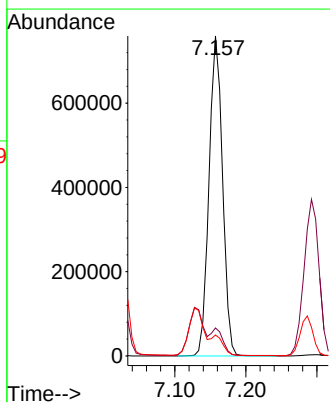
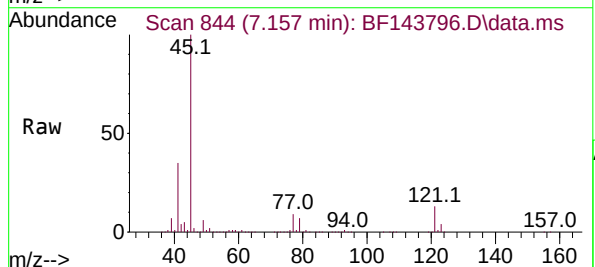
Manual Integrations
APPROVED

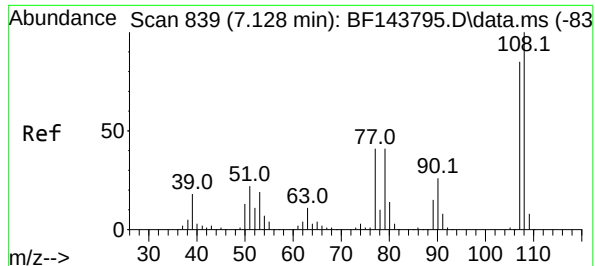
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.124 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

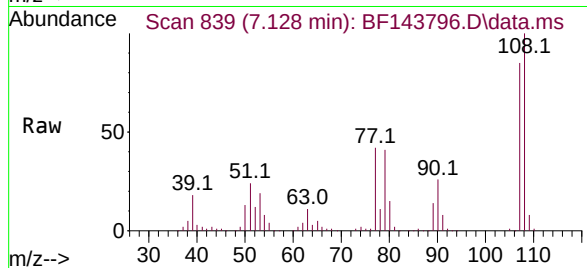
Tgt Ion: 45 Resp: 1004151
Ion Ratio Lower Upper
45 100
77 8.8 0.0 28.5
79 6.5 0.0 26.3





#17
2-Methylphenol
Concen: 48.084 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

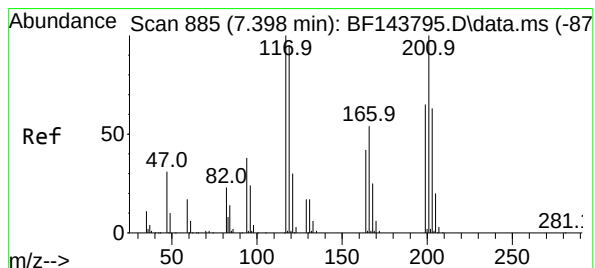
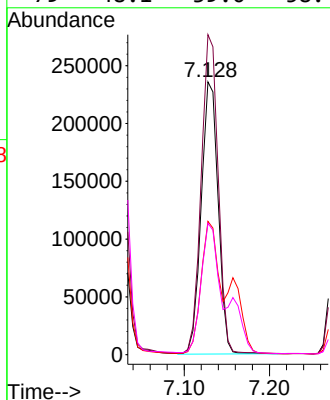
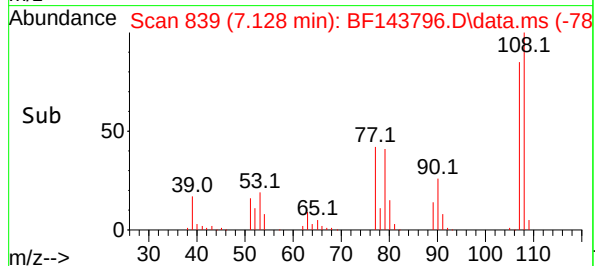
Instrument :
BNA_F
Client SampleId :
SSTDICC050



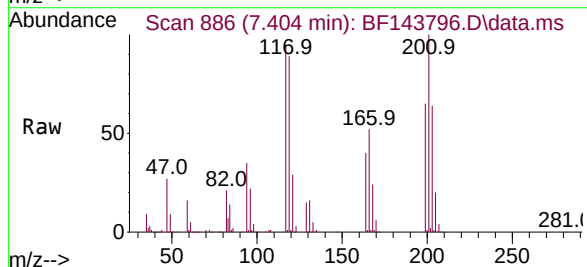
Tgt Ion:107 Resp: 325304
Ion Ratio Lower Upper
107 100
108 117.3 94.2 141.4
77 48.8 38.6 58.0
79 48.1 39.0 58.4

Manual Integrations
APPROVED

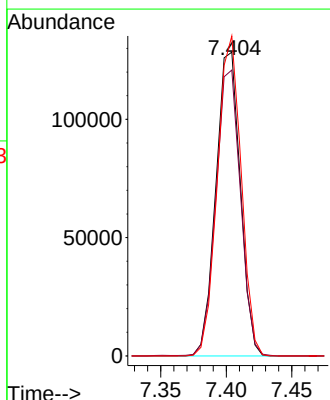
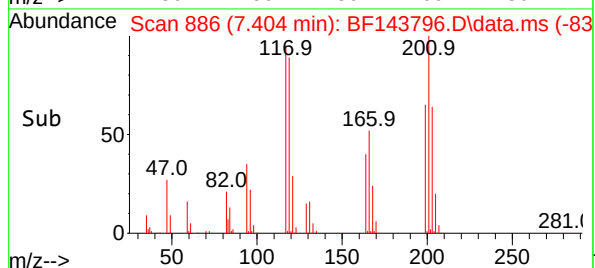
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

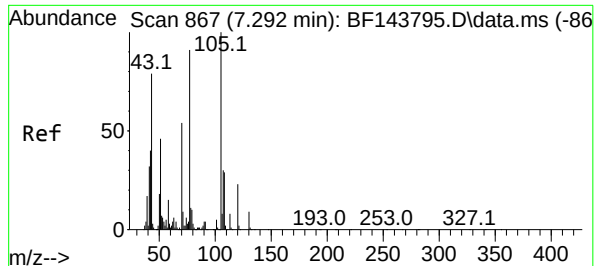


#18
Hexachloroethane
Concen: 46.905 ng
RT: 7.404 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28



Tgt Ion:117 Resp: 167022
Ion Ratio Lower Upper
117 100
119 94.1 76.2 114.2
201 105.4 79.7 119.5





#19

n-Nitroso-di-n-propylamine

Concen: 46.054 ng

RT: 7.298 min Scan# 867

Delta R.T. -0.006 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 292083

Ion Ratio Lower Upper

70 100

42 75.8 59.4 89.0

101 8.5 7.1 10.7

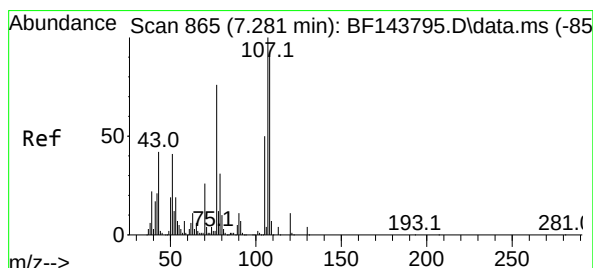
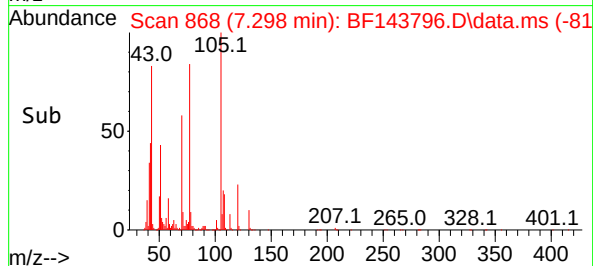
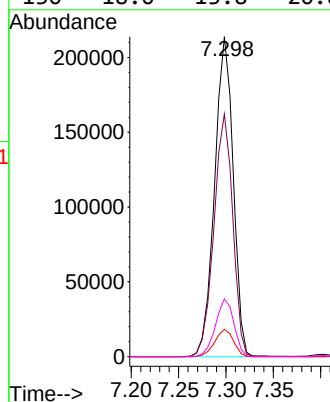
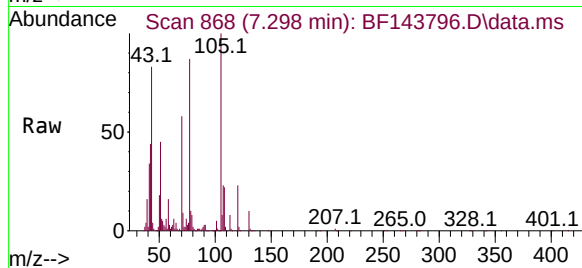
130 18.0 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#20

3+4-Methylphenols

Concen: 47.855 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Tgt Ion:107 Resp: 394272

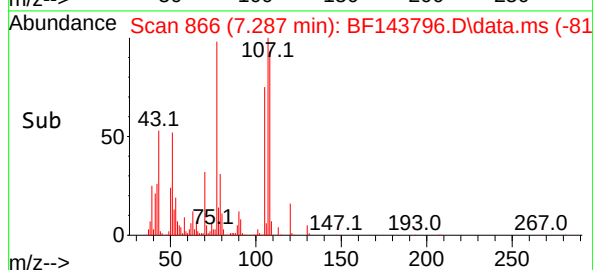
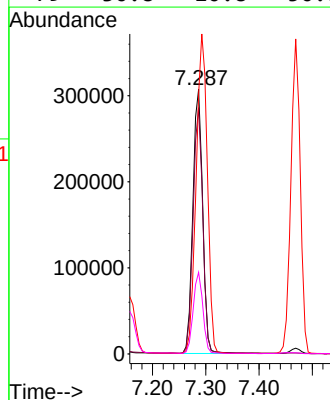
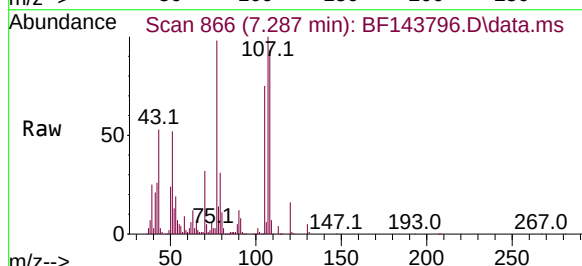
Ion Ratio Lower Upper

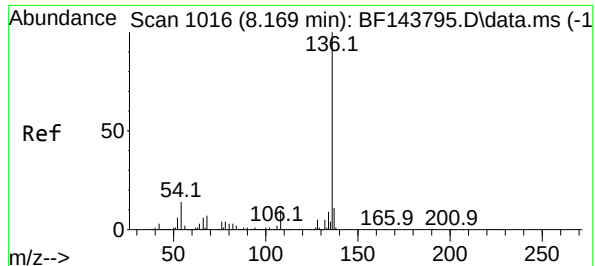
107 100

108 93.1 72.5 112.5

77 98.0 56.2 96.2#

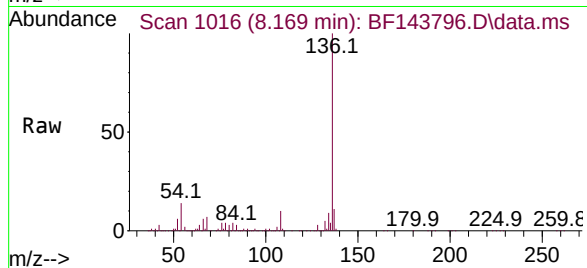
79 30.8 10.8 50.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

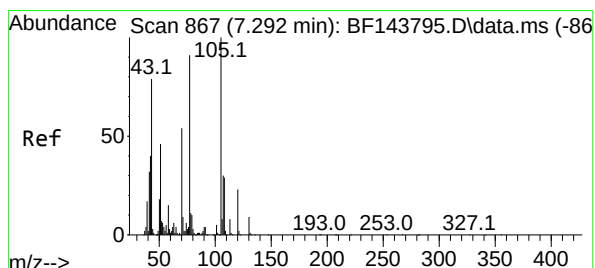
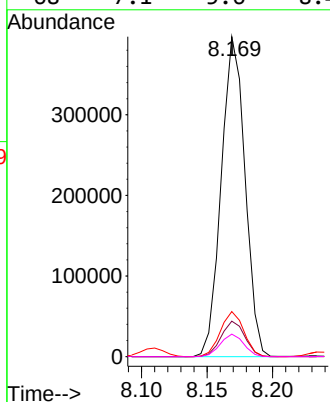
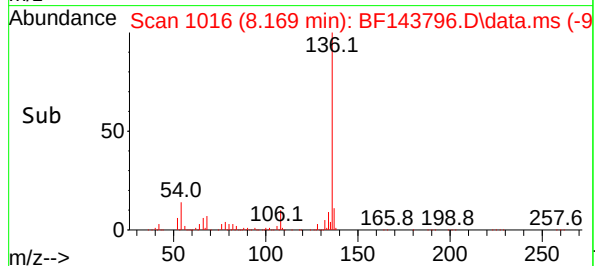
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



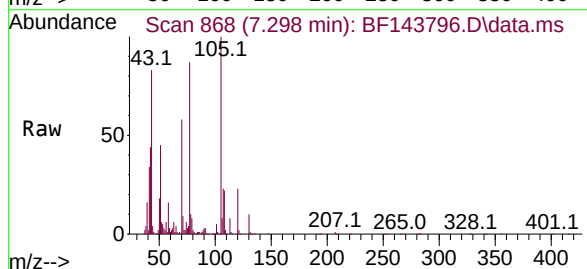
Tgt Ion:136 Resp: 501953
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 14.1 11.2 16.8
68 7.1 5.6 8.4

Manual Integrations
APPROVED

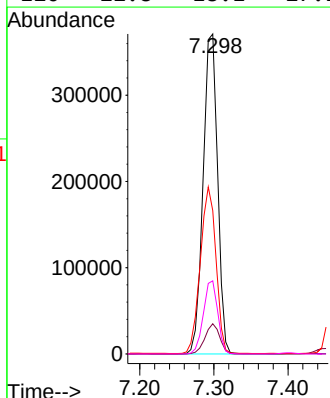
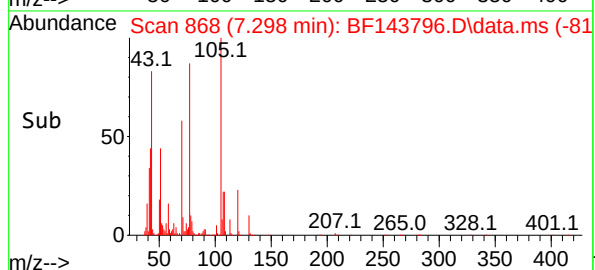
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

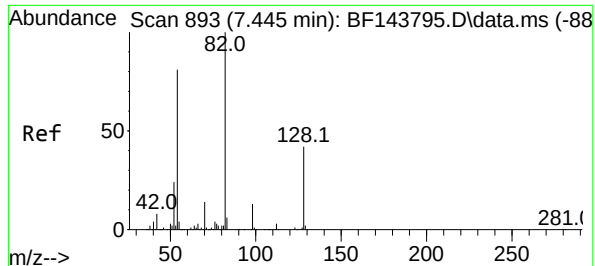


#22
Acetophenone
Concen: 45.695 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28



Tgt Ion:105 Resp: 503776
Ion Ratio Lower Upper
105 100
71 9.4 7.0 10.4
51 44.8 36.6 55.0
120 22.8 18.1 27.1





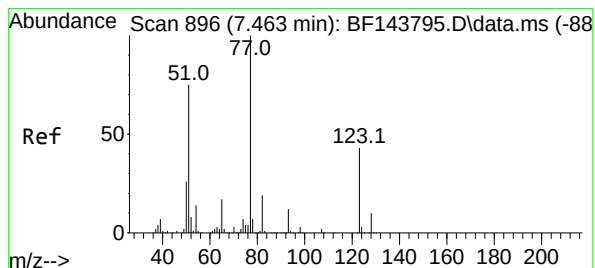
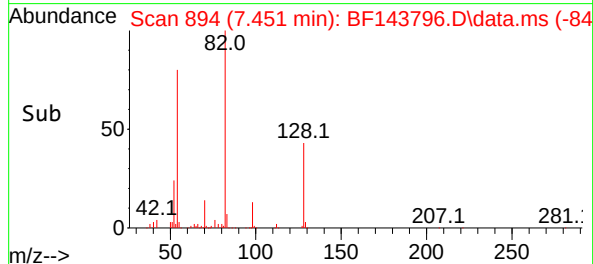
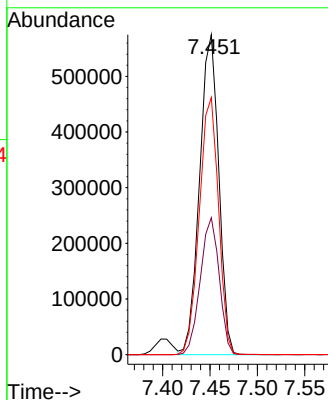
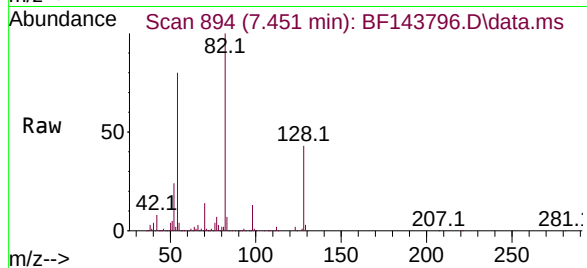
#23
Nitrobenzene-d5
Concen: 101.372 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 808554
Ion Ratio Lower Upper
82 100
128 42.8 33.3 49.9
54 80.3 64.2 96.4

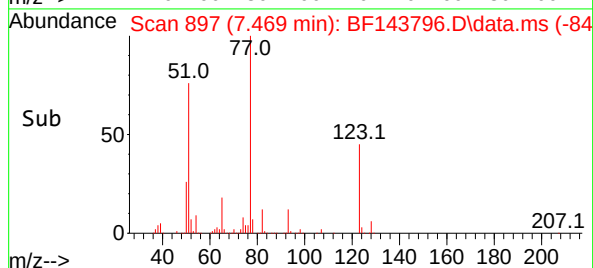
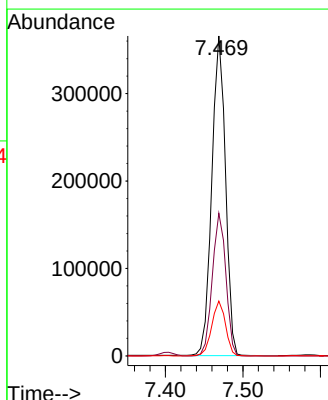
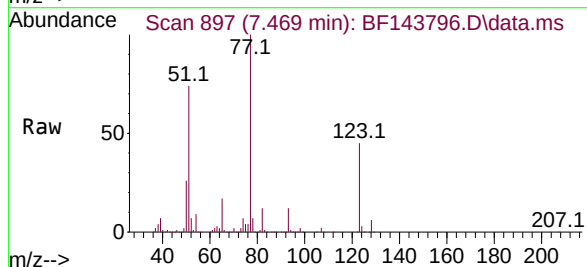
Manual Integrations
APPROVED

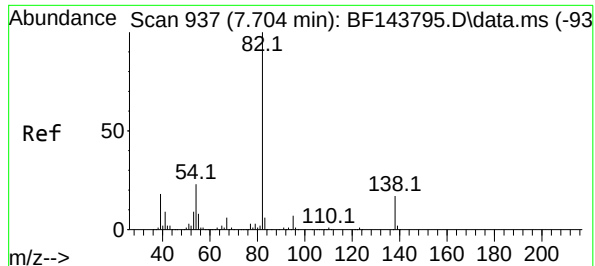
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#24
Nitrobenzene
Concen: 49.320 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

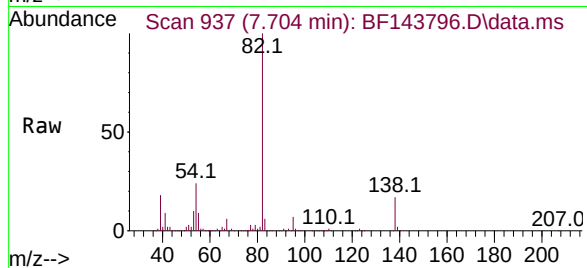
Tgt Ion: 77 Resp: 448291
Ion Ratio Lower Upper
77 100
123 44.6 34.0 51.0
65 17.1 13.5 20.3





#25
Isophorone
Concen: 48.987 ng
RT: 7.704 min Scan# 937
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

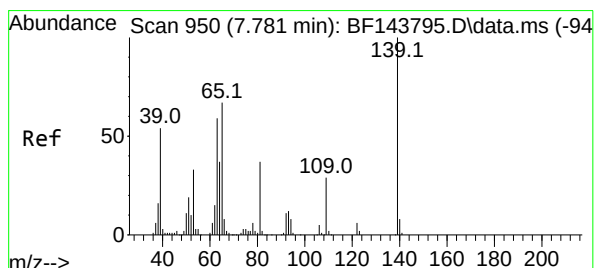
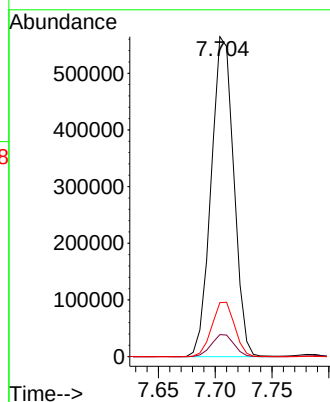
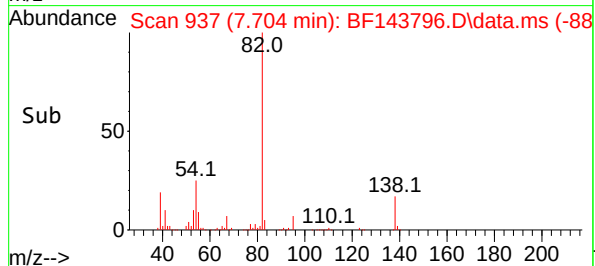
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 82 Resp: 782800
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.2
138 16.9 13.7 20.5

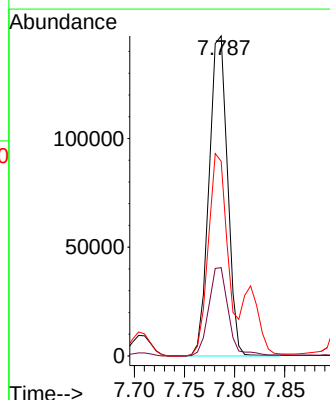
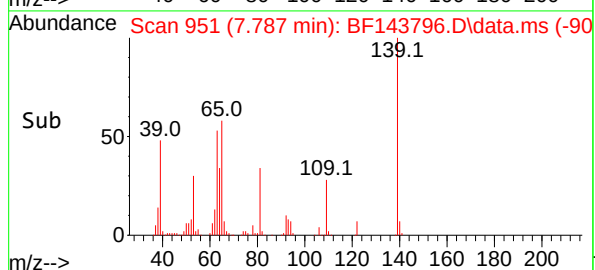
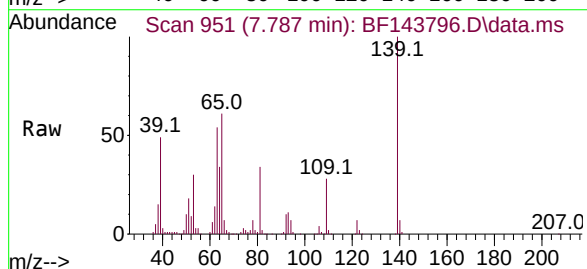
Manual Integrations
APPROVED

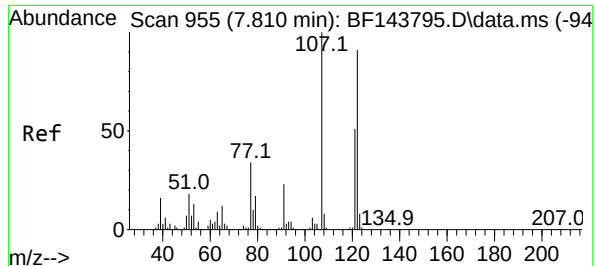
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#26
2-Nitrophenol
Concen: 50.281 ng
RT: 7.787 min Scan# 951
Delta R.T. 0.001 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

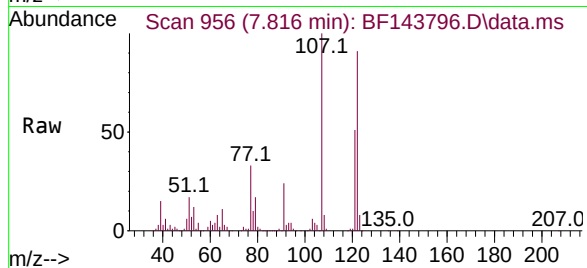
Tgt Ion:139 Resp: 188140
Ion Ratio Lower Upper
139 100
109 27.6 23.3 34.9
65 60.8 53.8 80.6





#27
2,4-Dimethylphenol
Concen: 49.214 ng
RT: 7.816 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

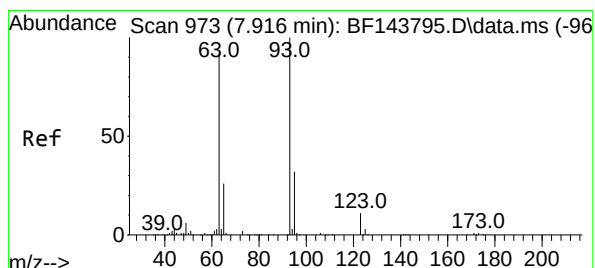
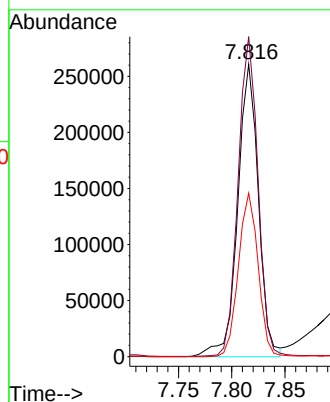
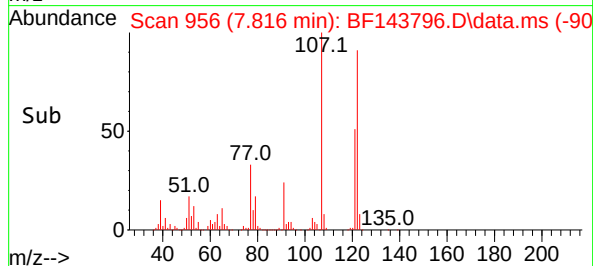
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:122 Resp: 351504
Ion Ratio Lower Upper
122 100
107 109.4 87.5 131.3
121 55.9 44.2 66.4

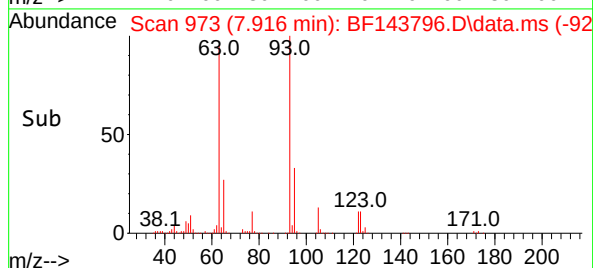
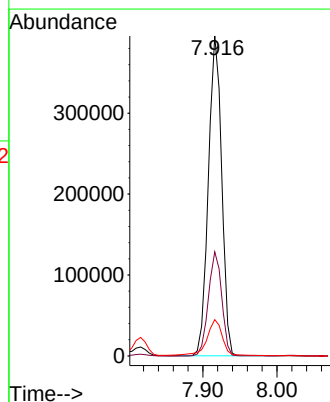
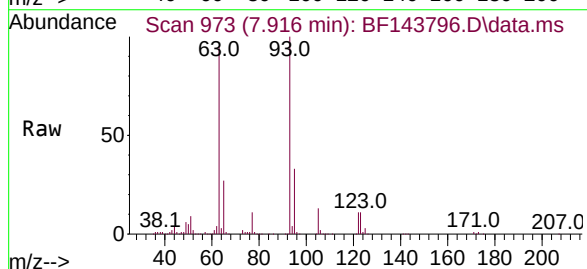
Manual Integrations
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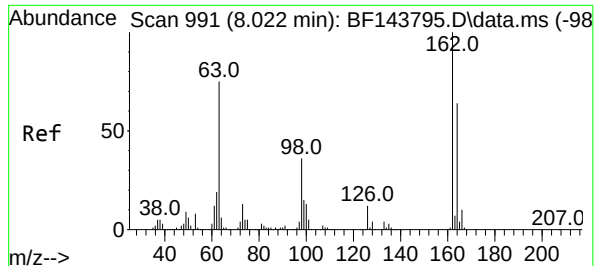
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#28
bis(2-Chloroethoxy)methane
Concen: 47.470 ng
RT: 7.916 min Scan# 973
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Tgt Ion: 93 Resp: 492835
Ion Ratio Lower Upper
93 100
95 32.5 25.8 38.8
123 11.3 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 48.801 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 342962

Ion Ratio Lower Upper

162 100

164 64.2 44.1 84.1

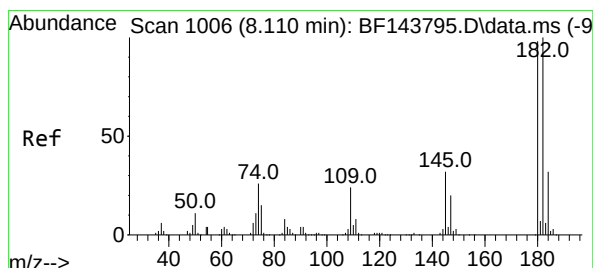
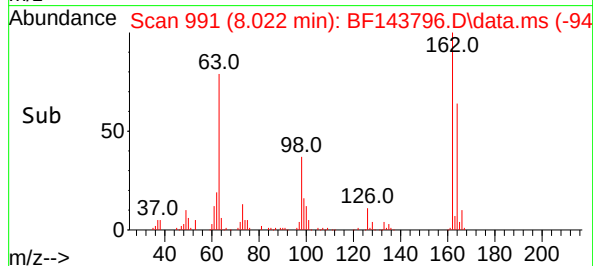
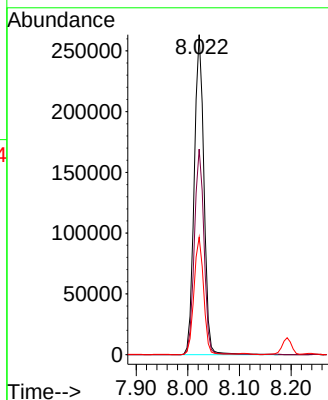
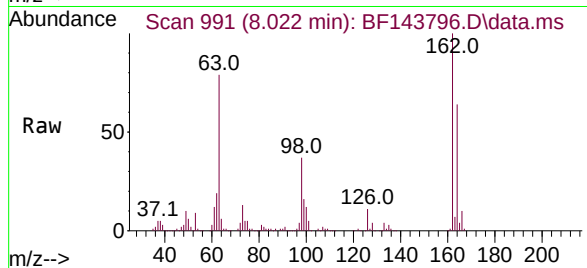
98 36.7 15.8 55.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#30

1,2,4-Trichlorobenzene

Concen: 47.353 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

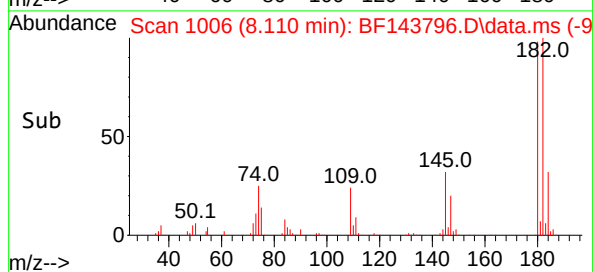
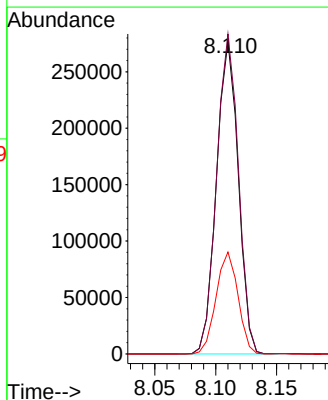
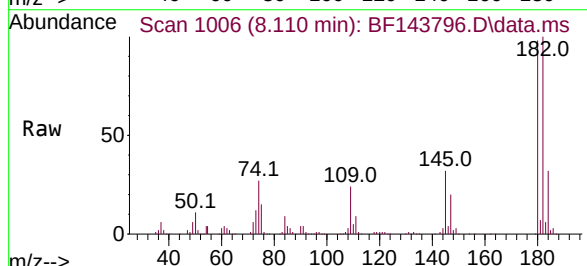
Tgt Ion:180 Resp: 345360

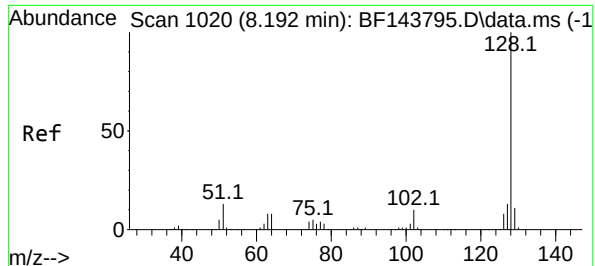
Ion Ratio Lower Upper

180 100

182 102.5 82.0 123.0

145 32.6 25.9 38.9





#31

Naphthalene

Concen: 46.304 ng

RT: 8.192 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BF143796.D

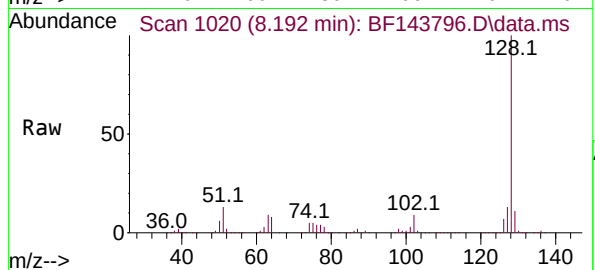
Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:128 Resp: 1112658

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

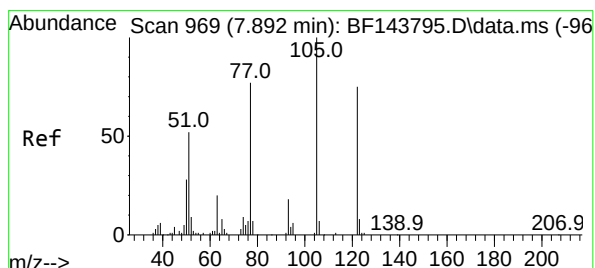
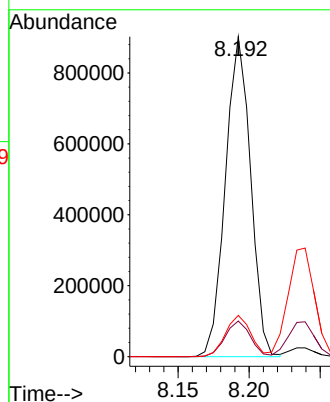
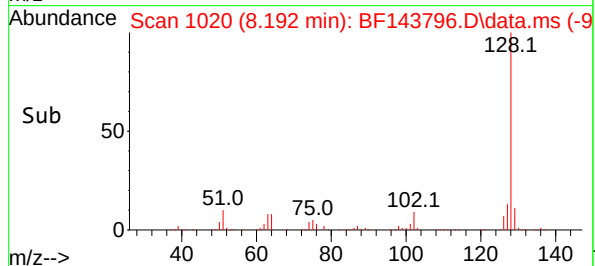
127 12.9 10.2 15.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#32

Benzoic acid

Concen: 53.967 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.012 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

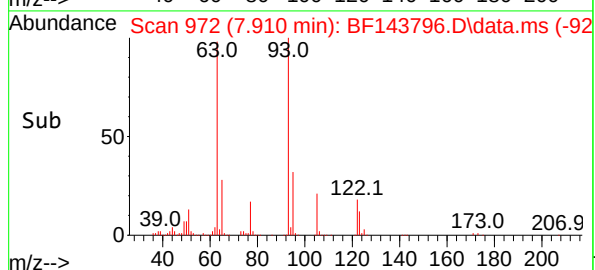
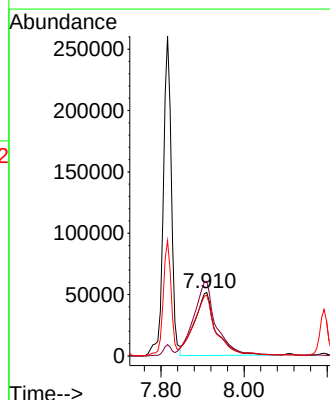
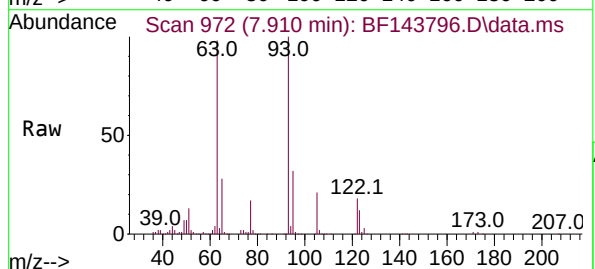
Tgt Ion:122 Resp: 185973

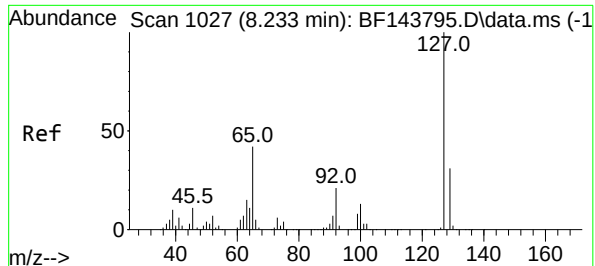
Ion Ratio Lower Upper

122 100

105 117.7 103.7 143.7

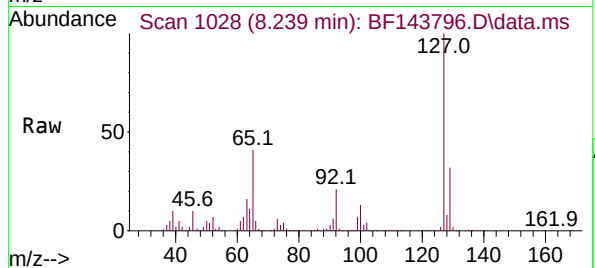
77 95.5 78.8 118.8





#33
4-Chloroaniline
Concen: 48.005 ng
RT: 8.239 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

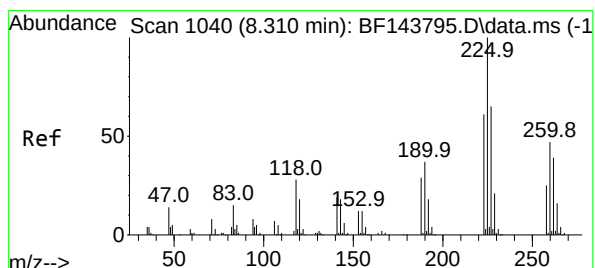
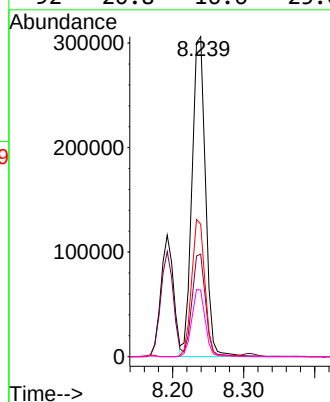
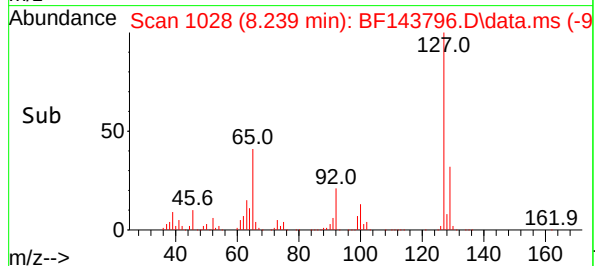
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:127 Resp: 405365
Ion Ratio Lower Upper
127 100
129 32.0 25.4 38.2
65 41.4 33.4 50.2
92 20.8 16.6 25.0

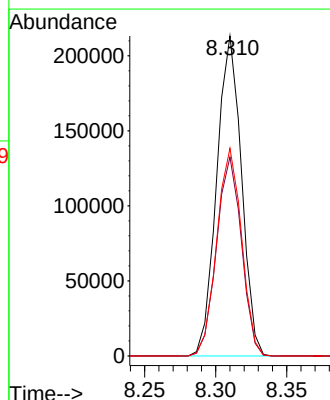
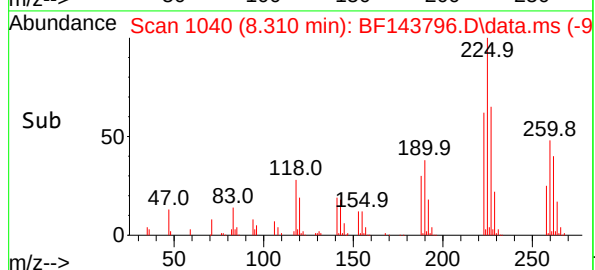
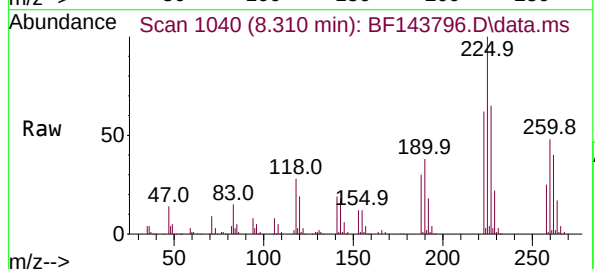
Manual Integrations
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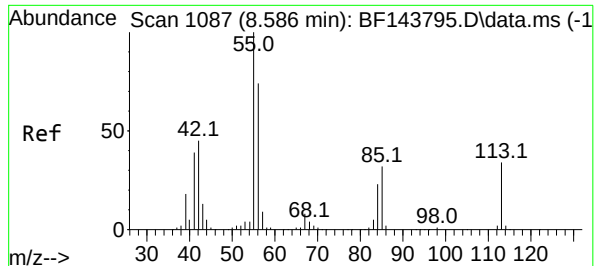
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#34
Hexachlorobutadiene
Concen: 47.570 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

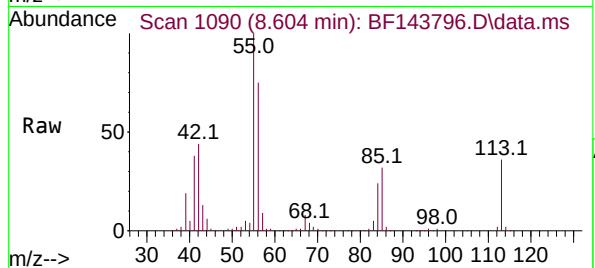
Tgt Ion:225 Resp: 258638
Ion Ratio Lower Upper
225 100
223 62.1 48.6 72.8
227 64.9 51.9 77.9





#35
Caprolactam
Concen: 51.444 ng
RT: 8.604 min Scan# 1090
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

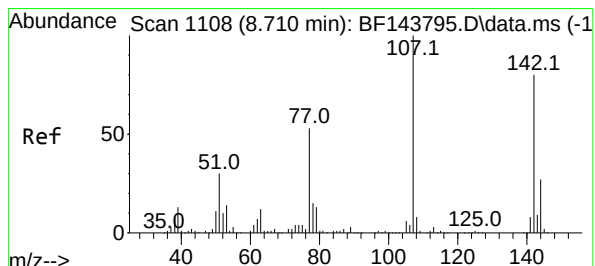
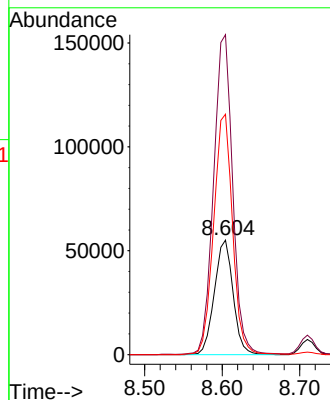
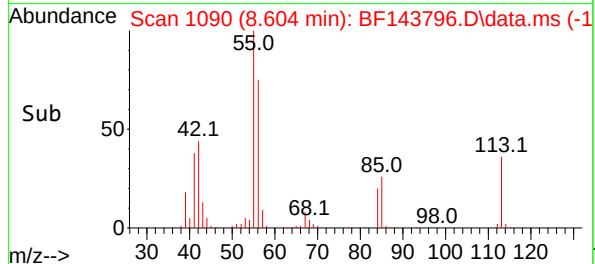
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:113 Resp: 92410
Ion Ratio Lower Upper
113 100
55 279.5 271.7 311.7
56 210.0 194.5 234.5

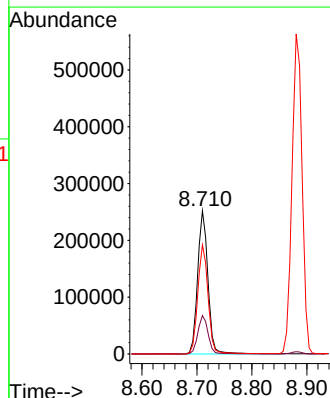
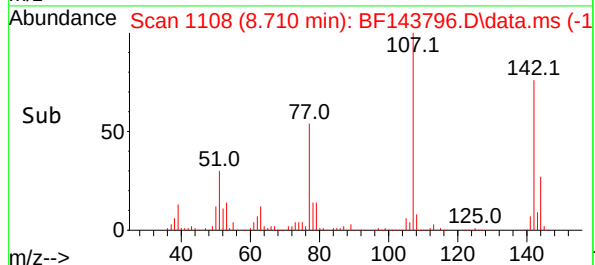
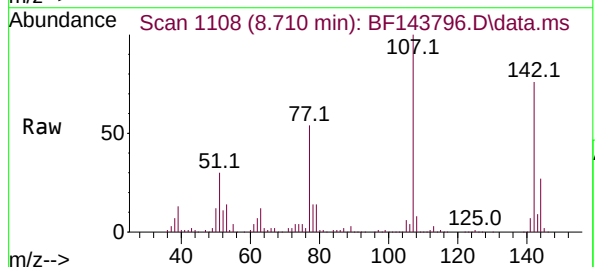
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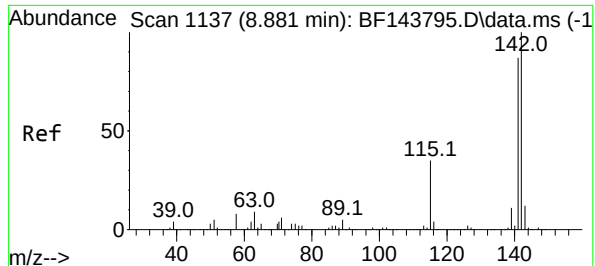
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#36
4-Chloro-3-methylphenol
Concen: 49.707 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

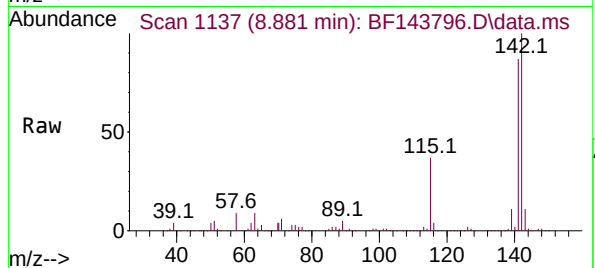
Tgt Ion:107 Resp: 327629
Ion Ratio Lower Upper
107 100
144 26.8 21.8 32.8
142 76.2 63.6 95.4





#37
2-Methylnaphthalene
Concen: 46.524 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

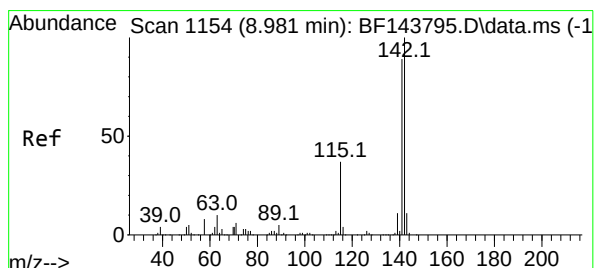
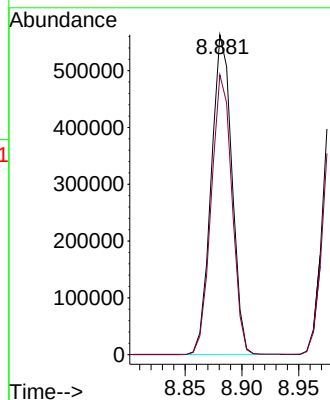
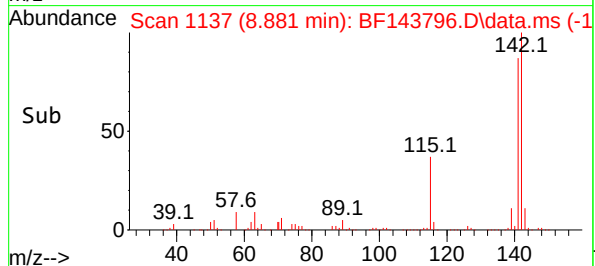
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:142 Resp: 712848
Ion Ratio Lower Upper
142 100
141 87.4 69.4 104.0

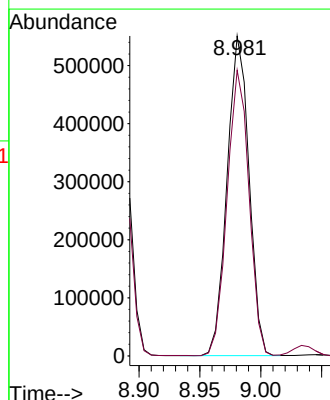
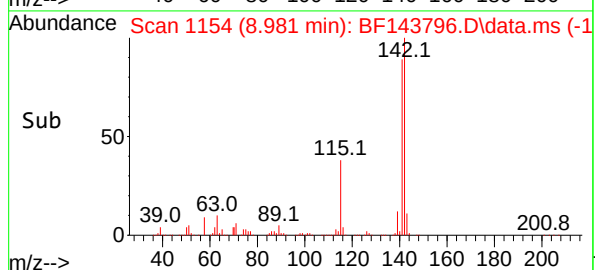
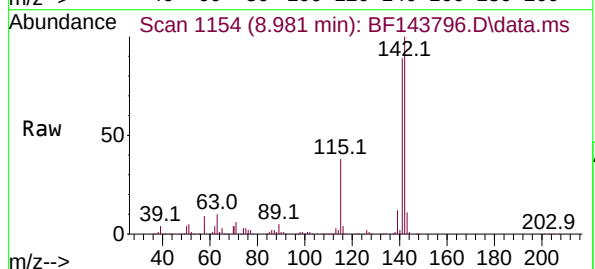
Manual Integrations
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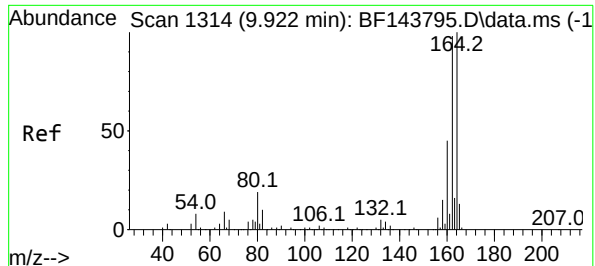
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#38
1-Methylnaphthalene
Concen: 47.022 ng
RT: 8.981 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Tgt Ion:142 Resp: 689609
Ion Ratio Lower Upper
142 100
141 89.3 71.1 106.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1314

Delta R.T. -0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:164 Resp: 25192

Ion Ratio Lower Upper

164 100

162 98.6 78.8 118.2

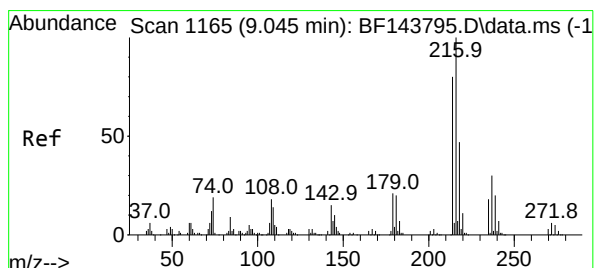
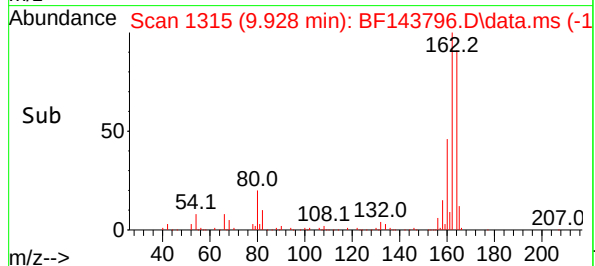
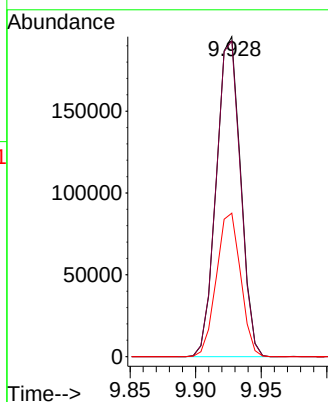
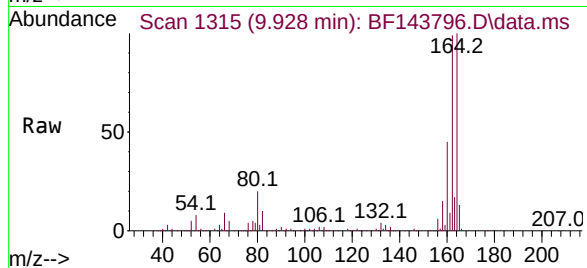
160 44.8 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.300 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Tgt Ion:216 Resp: 351998

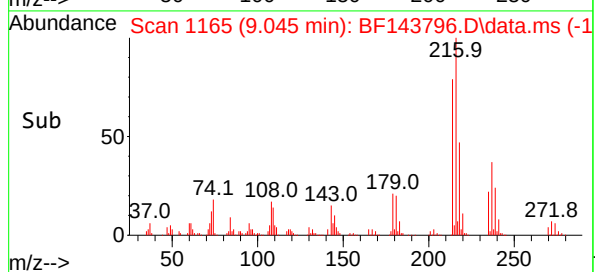
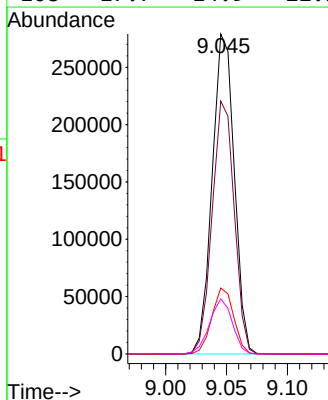
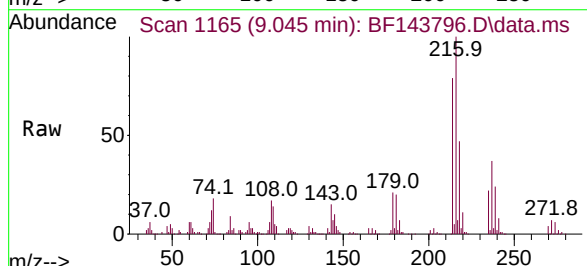
Ion Ratio Lower Upper

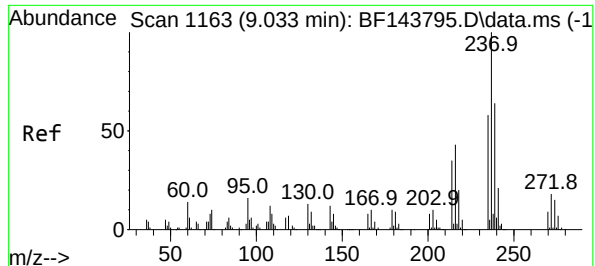
216 100

214 78.9 63.7 95.5

179 20.3 16.5 24.7

108 17.7 14.9 22.3





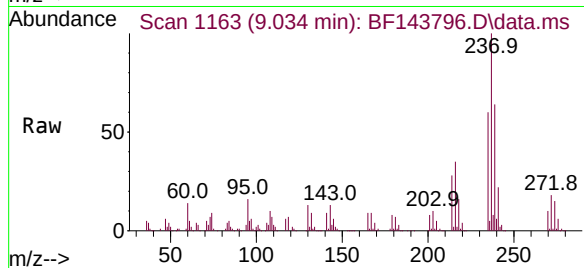
#41
Hexachlorocyclopentadiene
Concen: 49.894 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

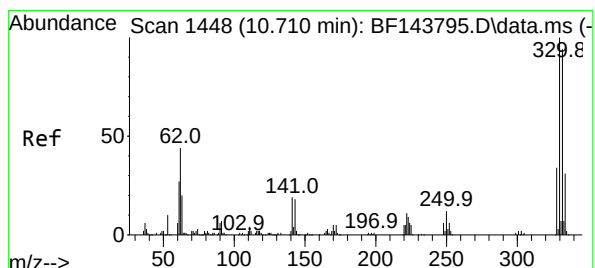
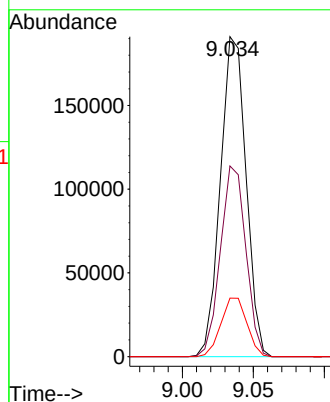
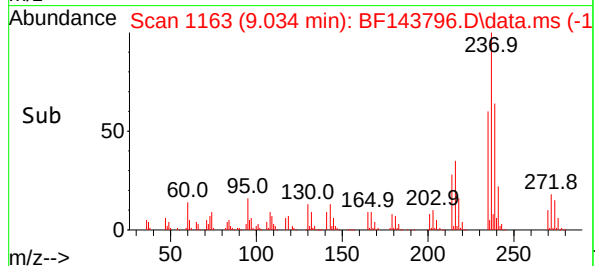


Tgt Ion: 237 Resp: 240402
Ion Ratio Lower Upper
237 100
235 59.6 38.1 78.1
272 18.3 0.0 37.9

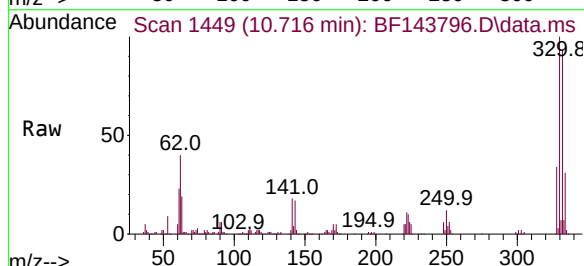
Manual Integrations

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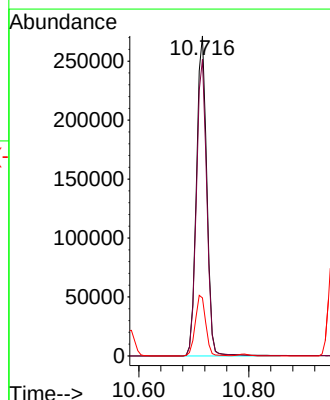
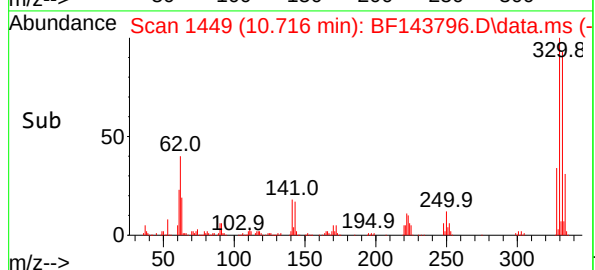
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

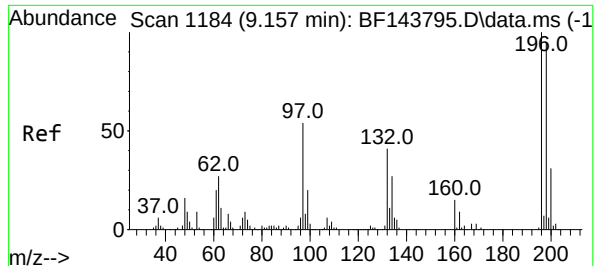


#42
2,4,6-Tribromophenol
Concen: 98.591 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28



Tgt Ion: 330 Resp: 354459
Ion Ratio Lower Upper
330 100
332 92.9 74.7 112.1
141 19.2 14.3 21.5





#43

2,4,6-Trichlorophenol

Concen: 50.100 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF143796.D

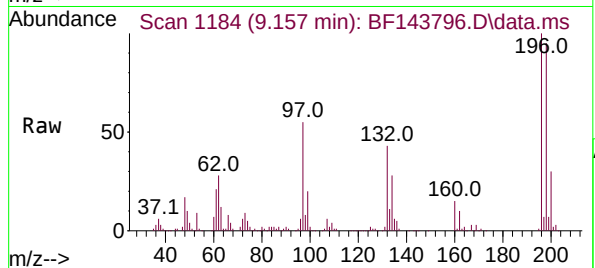
Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 238499

Ion Ratio Lower Upper

196 100

198 95.5 76.2 114.2

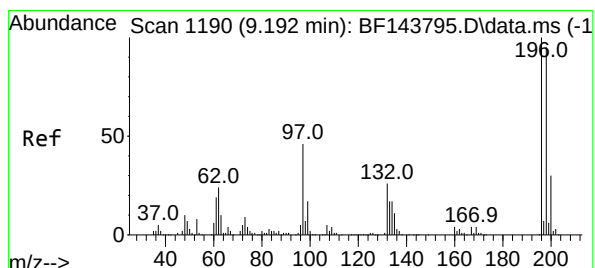
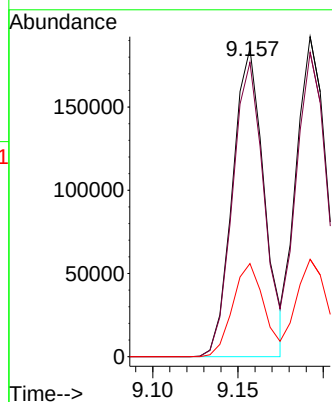
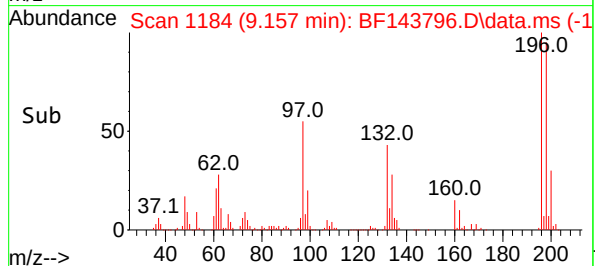
200 30.2 24.7 37.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#44

2,4,5-Trichlorophenol

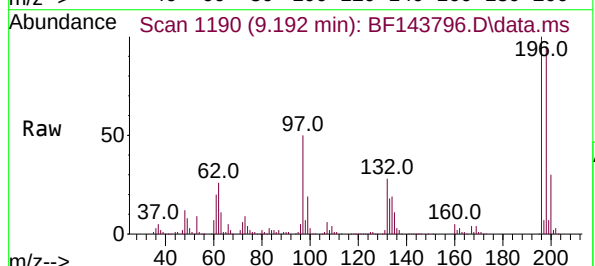
Concen: 48.050 ng

RT: 9.192 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28



Tgt Ion:196 Resp: 239256

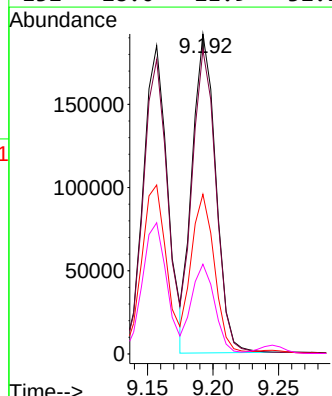
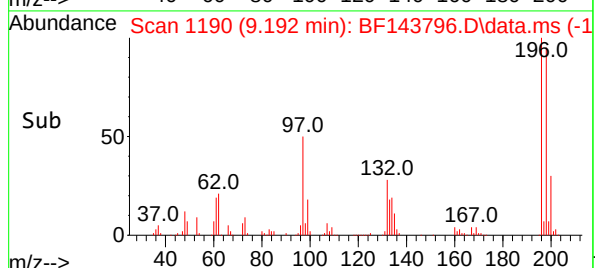
Ion Ratio Lower Upper

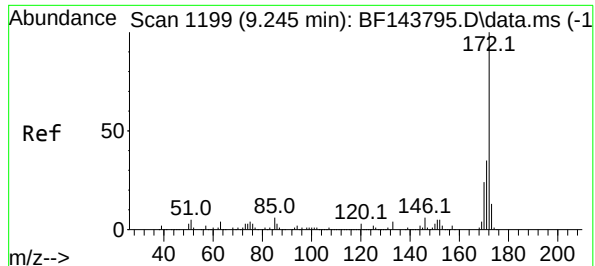
196 100

198 95.1 75.9 113.9

97 49.9 38.3 57.5

132 28.0 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 85.274 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143796.D

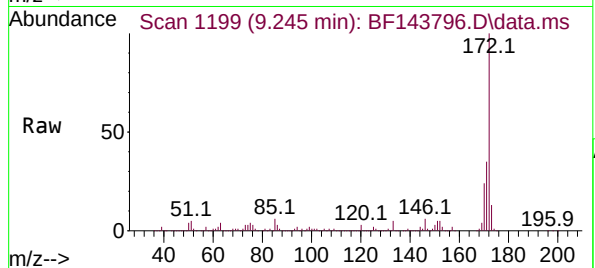
Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:172 Resp: 1453709

Ion Ratio Lower Upper

172 100

171 35.2 27.9 41.9

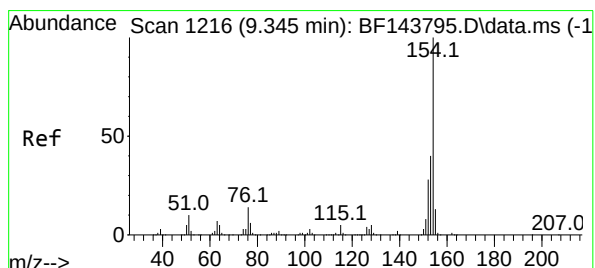
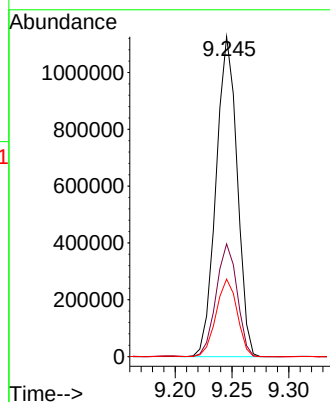
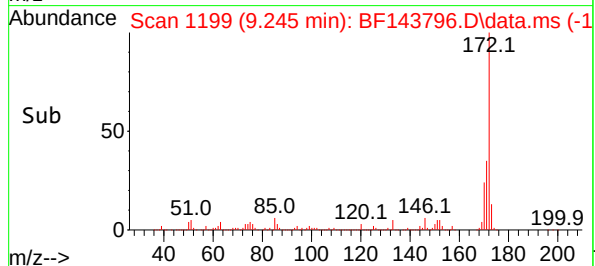
170 24.2 19.1 28.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#46

1,1'-Biphenyl

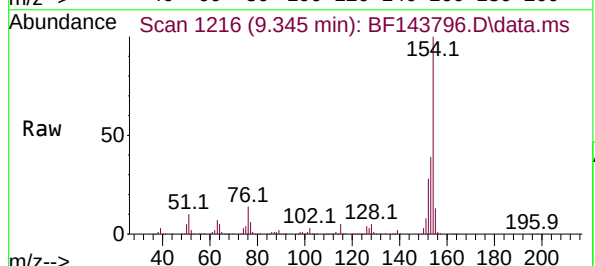
Concen: 45.967 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28



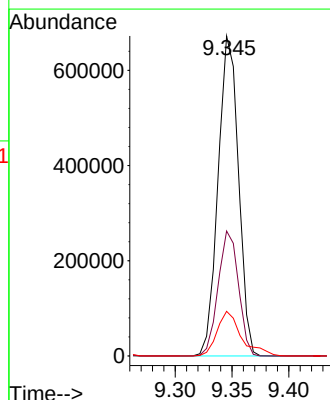
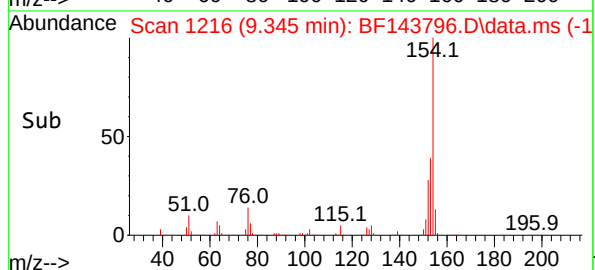
Tgt Ion:154 Resp: 838250

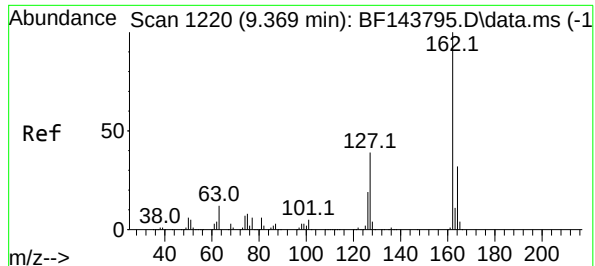
Ion Ratio Lower Upper

154 100

153 39.0 19.7 59.7

76 13.9 0.0 33.8





#47

2-Chloronaphthalene

Concen: 46.229 ng

RT: 9.375 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 67859

Ion Ratio Lower Upper

162 100

127 38.8 31.5 47.3

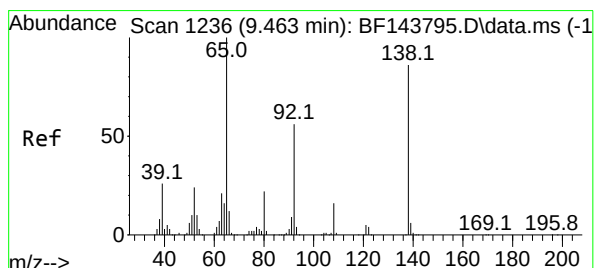
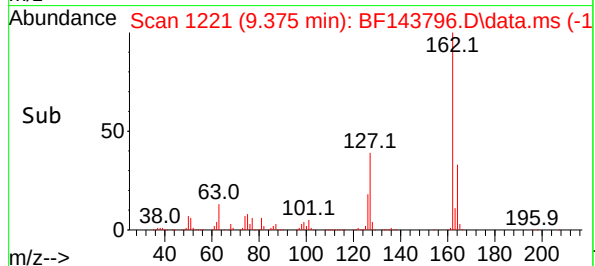
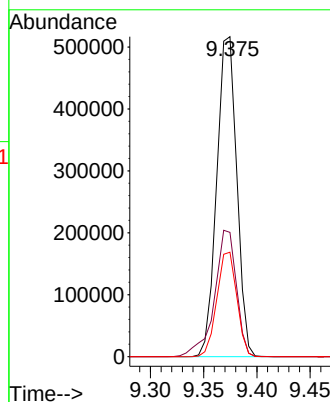
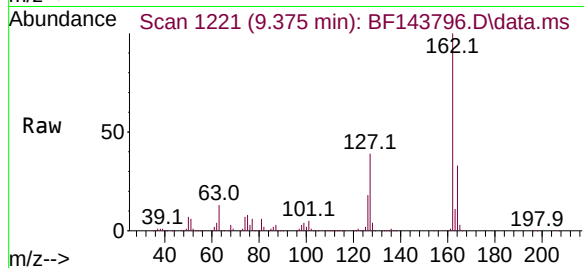
164 32.6 25.9 38.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#48

2-Nitroaniline

Concen: 53.895 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

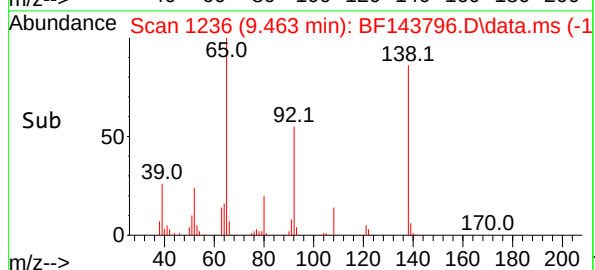
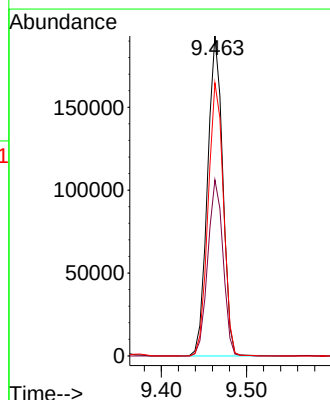
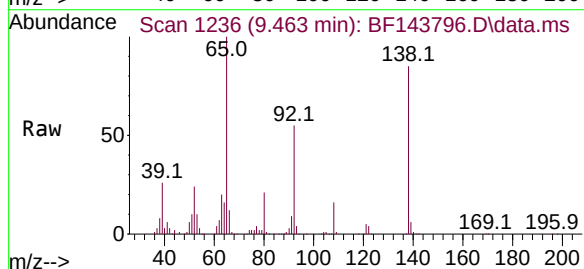
Tgt Ion: 65 Resp: 239106

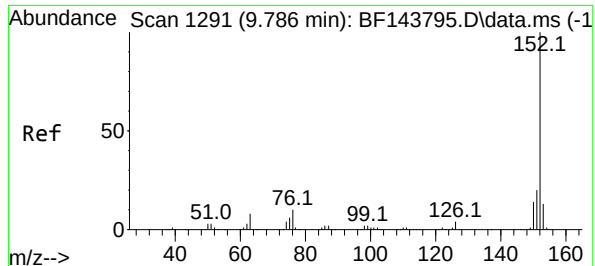
Ion Ratio Lower Upper

65 100

92 55.0 44.9 67.3

138 85.3 69.0 103.4





#49

Acenaphthylene

Concen: 46.711 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143796.D

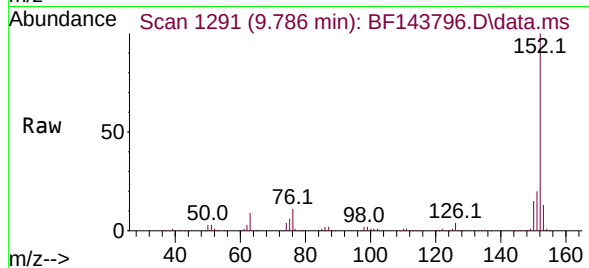
Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



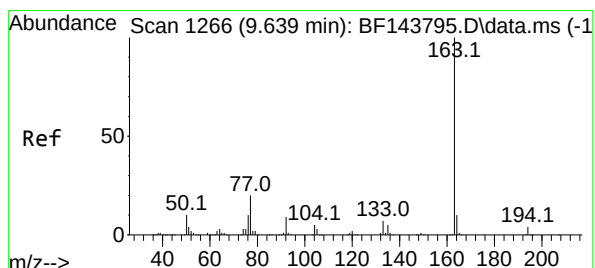
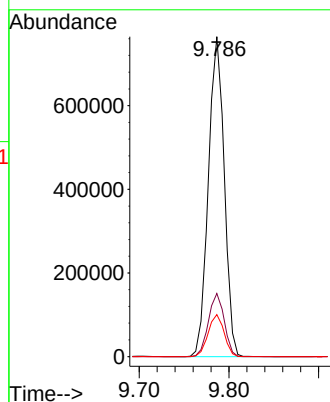
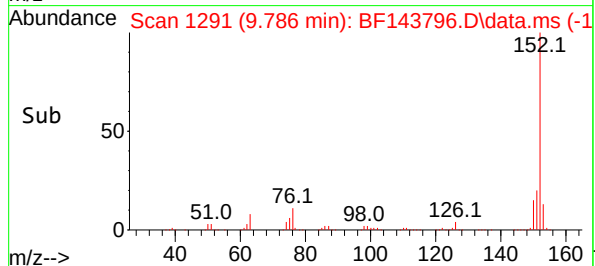
Tgt Ion:	152	Resp:	943926
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.7	23.5
153	13.1	10.6	15.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#50

Dimethylphthalate

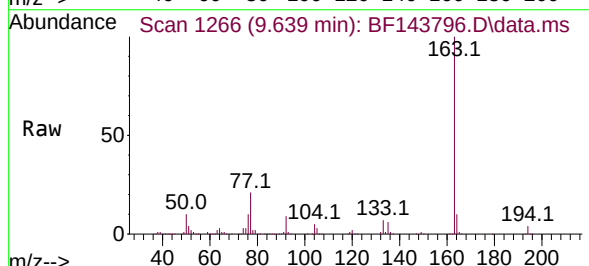
Concen: 48.124 ng

RT: 9.639 min Scan# 1266

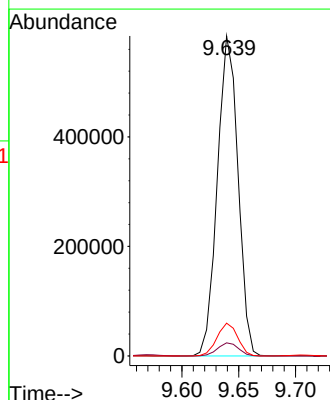
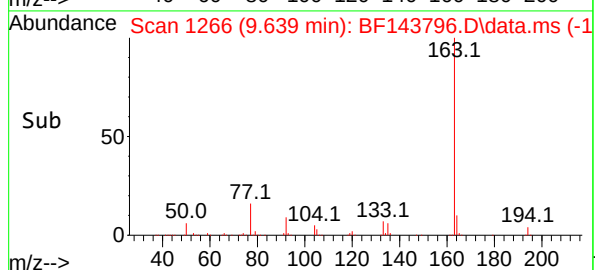
Delta R.T. 0.000 min

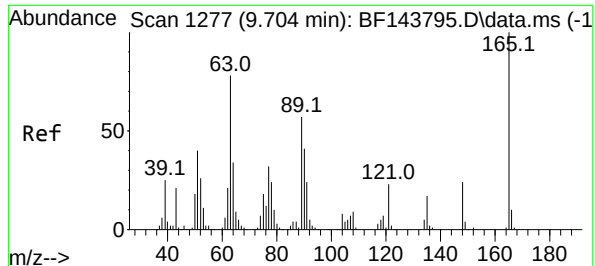
Lab File: BF143796.D

Acq: 23 Sep 2025 14:28



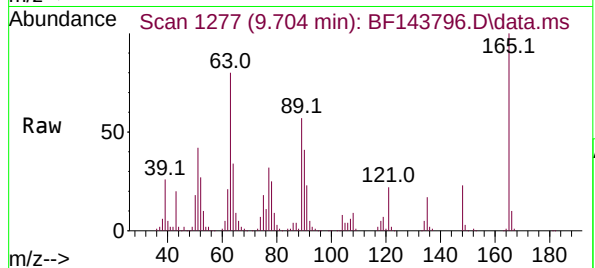
Tgt Ion:	163	Resp:	738918
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.0	4.6
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 56.010 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

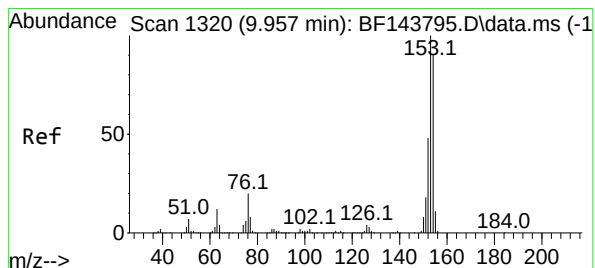
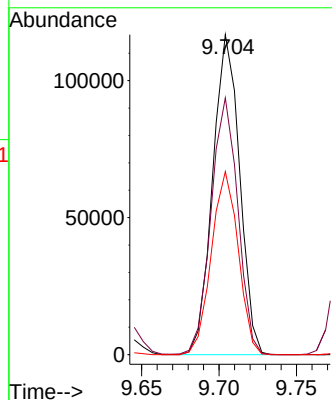
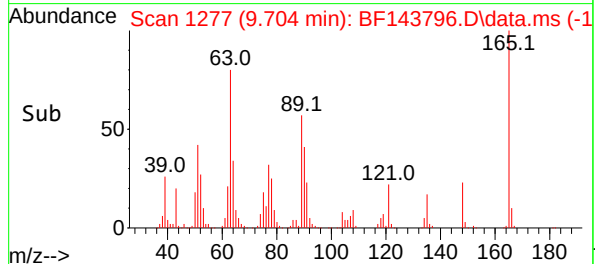
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 141300
Ion Ratio Lower Upper
165 100
63 80.2 62.6 94.0
89 57.2 45.2 67.8

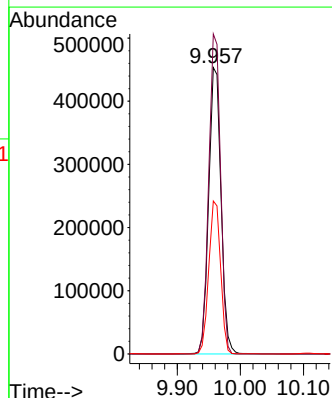
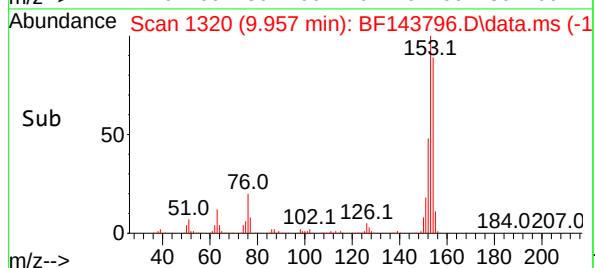
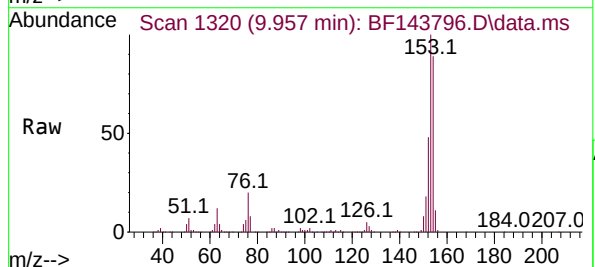
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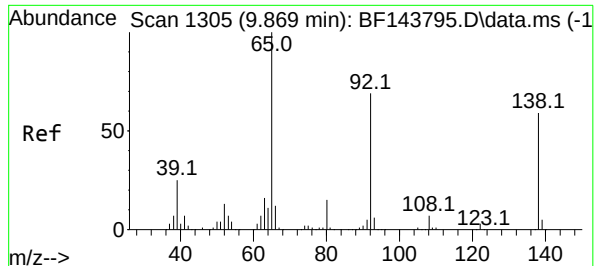
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#52
Acenaphthene
Concen: 46.113 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Tgt Ion:154 Resp: 613218
Ion Ratio Lower Upper
154 100
153 111.8 88.7 133.1
152 53.4 42.7 64.1





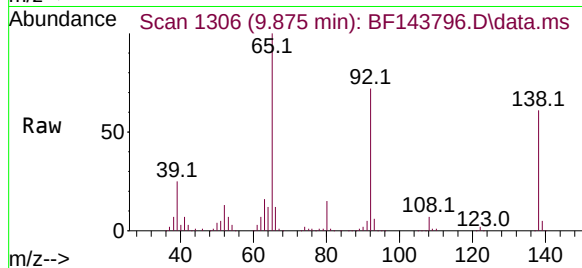
#53
3-Nitroaniline
Concen: 53.384 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

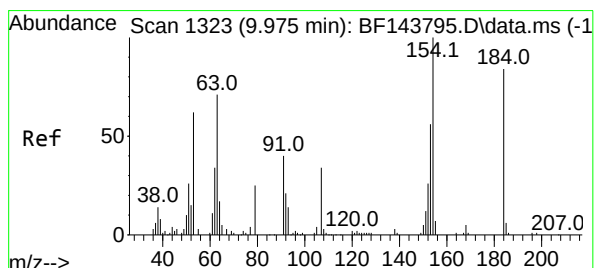
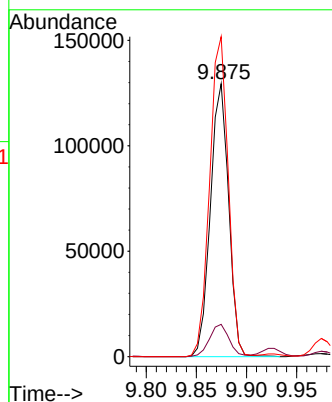
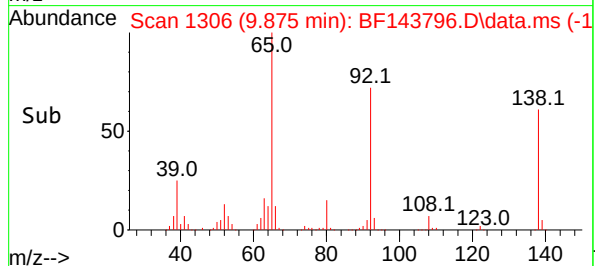


Tgt Ion:138 Resp: 163244
Ion Ratio Lower Upper
138 100
108 11.8 9.9 14.9
92 117.3 93.5 140.3

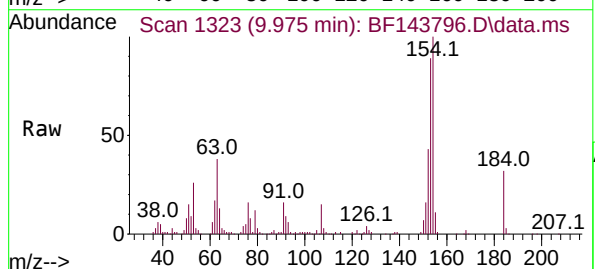
Manual Integrations

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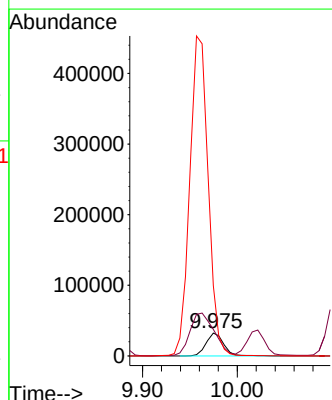
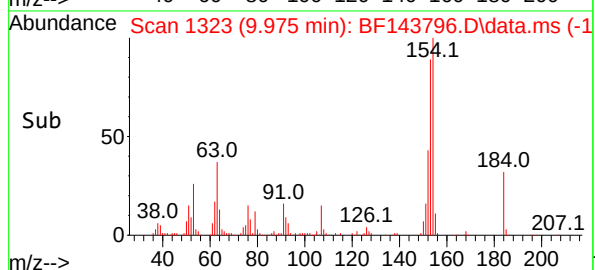
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

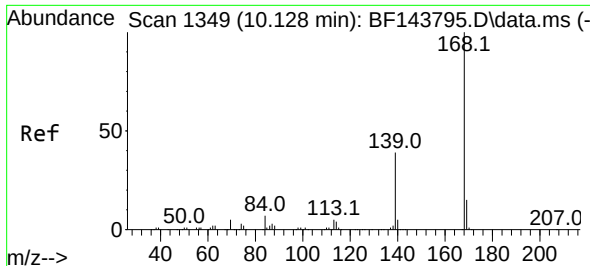


#54
2,4-Dinitrophenol
Concen: 49.728 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28



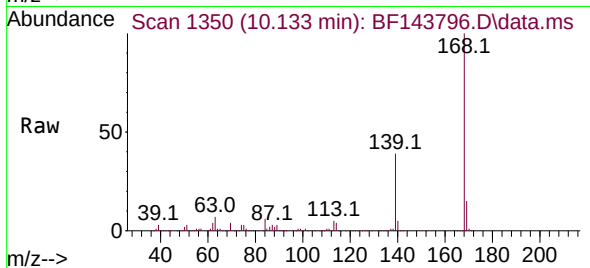
Tgt Ion:184 Resp: 41616
Ion Ratio Lower Upper
184 100
63 115.9 84.6 127.0
154 307.9 199.3 298.9#





#55
Dibenzenofuran
Concen: 46.115 ng
RT: 10.133 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

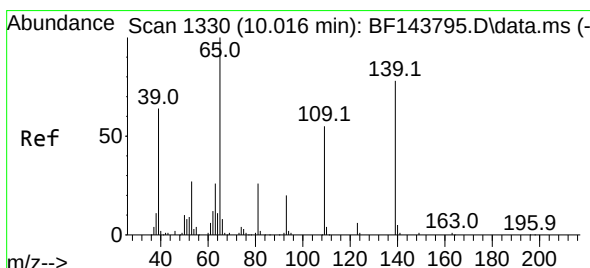
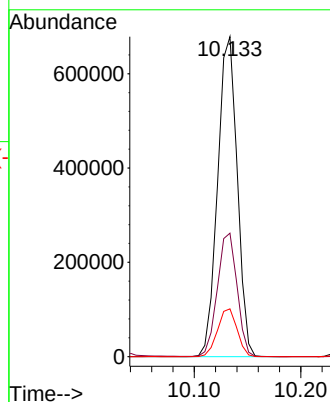
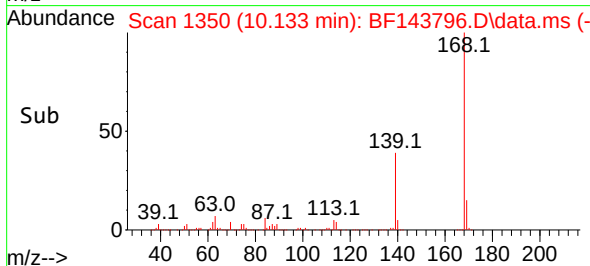
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:168 Resp: 867169
Ion Ratio Lower Upper
168 100
139 38.6 31.0 46.6
169 14.9 11.9 17.9

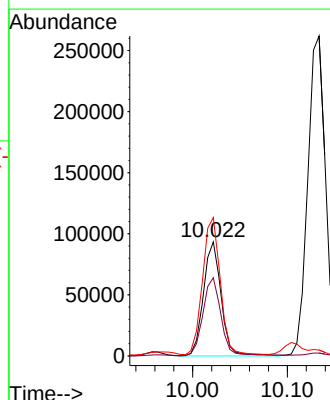
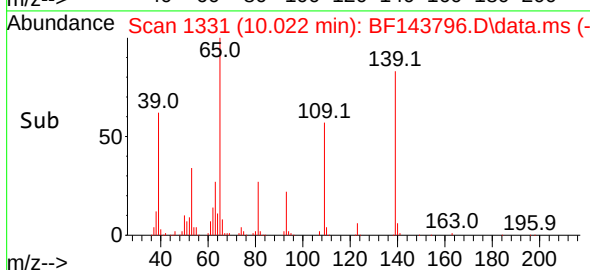
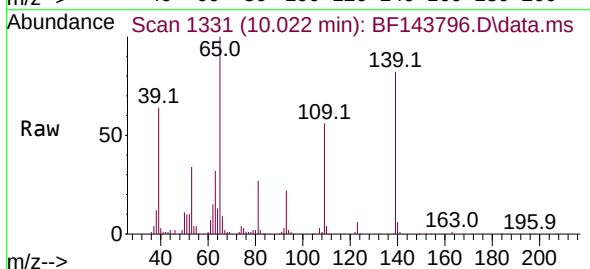
Manual Integrations
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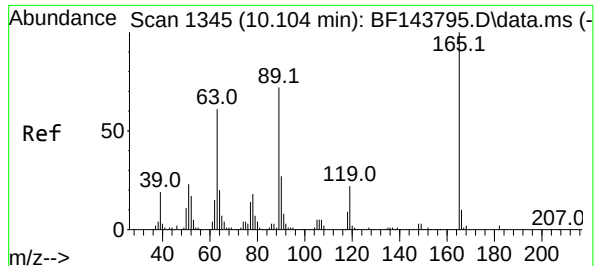
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#56
4-Nitrophenol
Concen: 49.212 ng
RT: 10.022 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

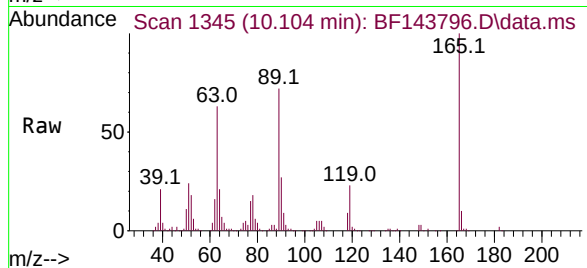
Tgt Ion:139 Resp: 121266
Ion Ratio Lower Upper
139 100
109 68.6 50.2 90.2
65 121.4 109.2 149.2





#57
2,4-Dinitrotoluene
Concen: 49.496 ng
RT: 10.104 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

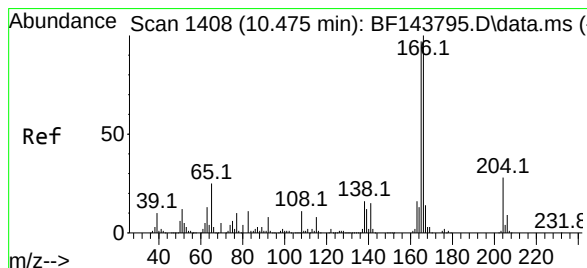
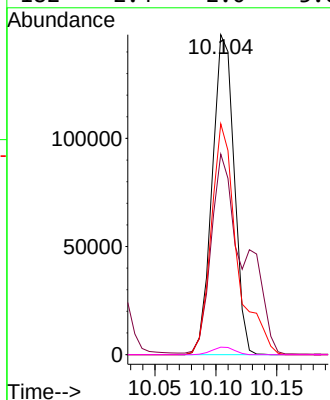
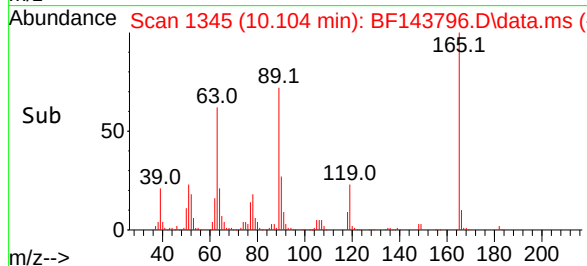
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



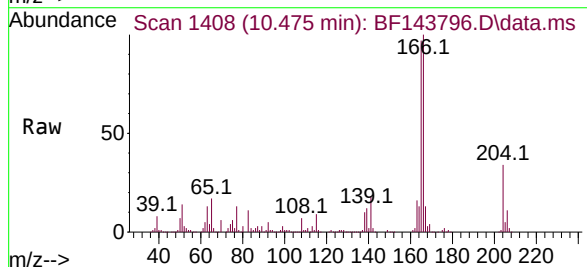
Tgt Ion:165 Resp: 185701
Ion Ratio Lower Upper
165 100
63 62.7 48.9 73.3
89 72.1 57.5 86.3
182 2.4 2.0 3.0

Manual Integrations
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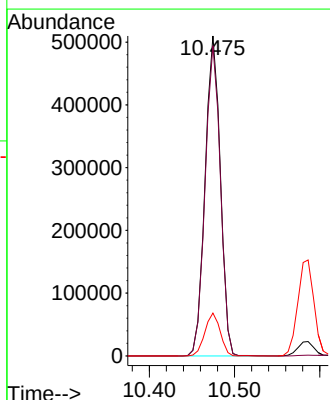
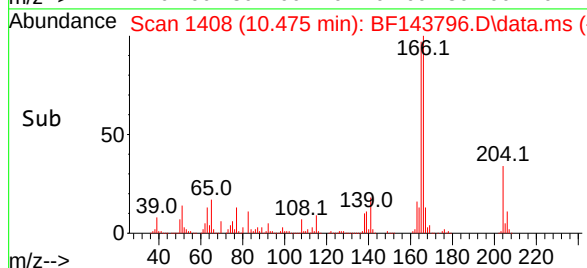
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

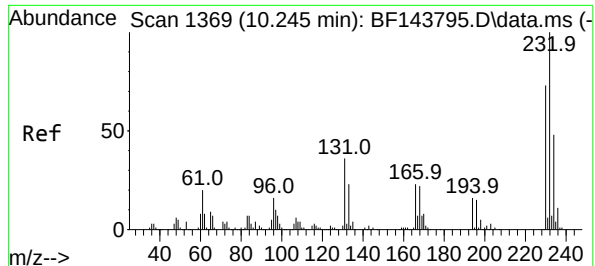


#58
Fluorene
Concen: 45.259 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28



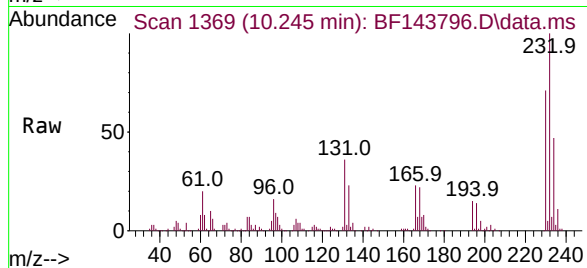
Tgt Ion:166 Resp: 632710
Ion Ratio Lower Upper
166 100
165 96.9 78.0 117.0
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.440 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

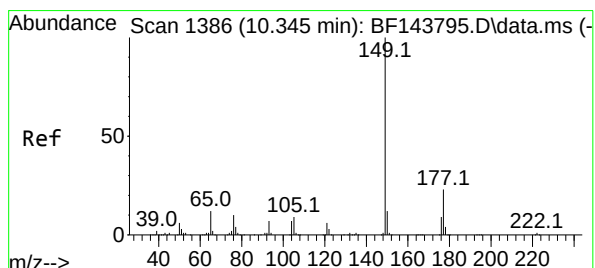
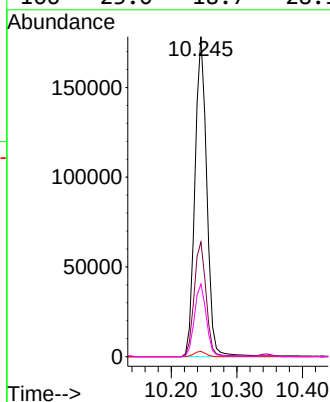
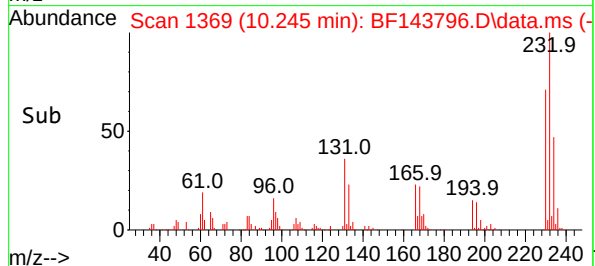
Instrument :
BNA_F
Client Sample Id :
SSTDICC050



Tgt Ion: 232 Resp: 223693
Ion Ratio Lower Upper
232 100
131 36.2 29.4 44.2
130 1.6 1.3 1.9
166 23.0 18.7 28.1

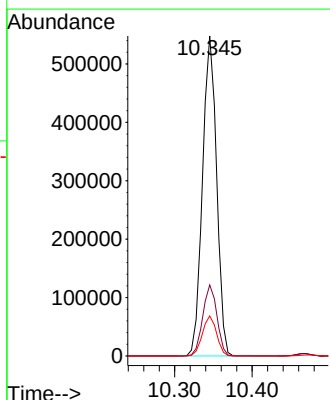
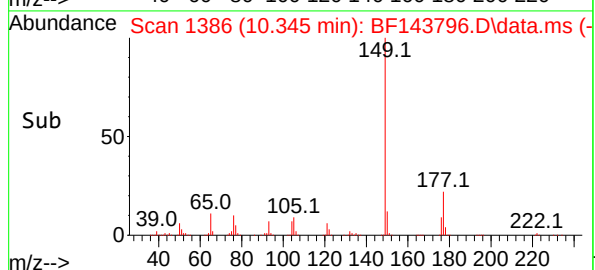
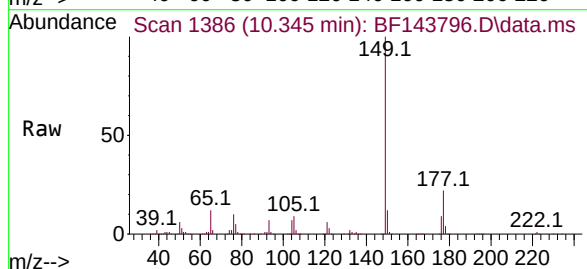
Manual Integrations
APPROVED

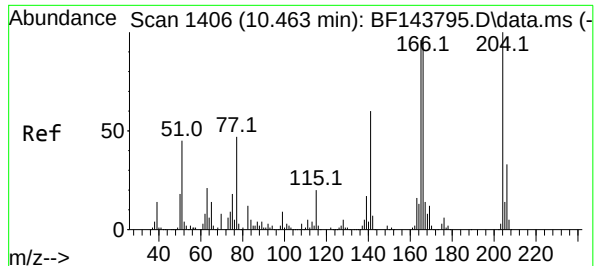
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#60
Diethylphthalate
Concen: 48.178 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

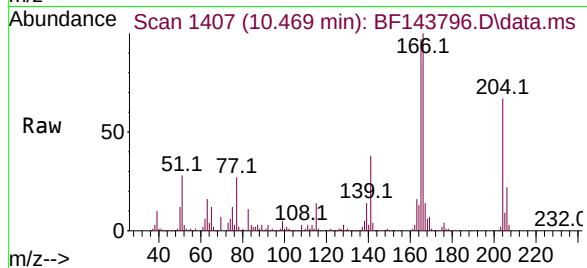
Tgt Ion: 149 Resp: 692482
Ion Ratio Lower Upper
149 100
177 22.2 18.1 27.1
150 12.5 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 46.640 ng
RT: 10.469 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

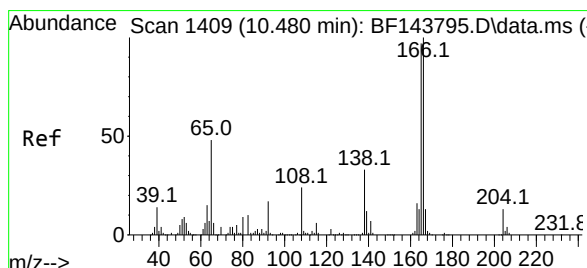
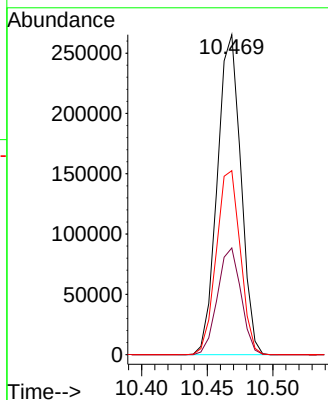
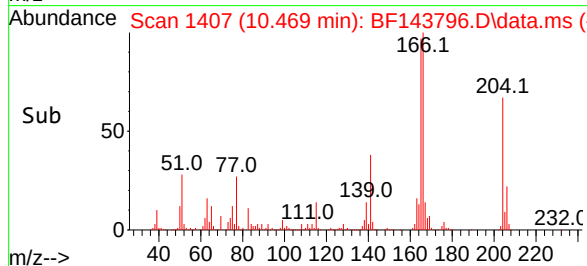
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



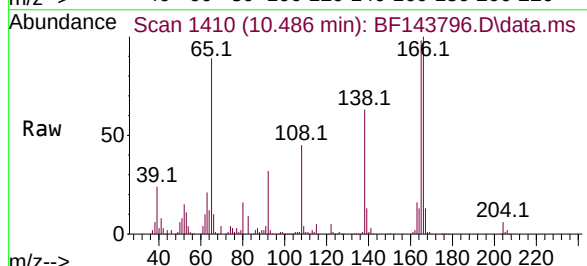
Tgt Ion:204 Resp: 332223
Ion Ratio Lower Upper
204 100
206 33.3 26.7 40.1
141 57.5 48.2 72.2

Manual Integrations
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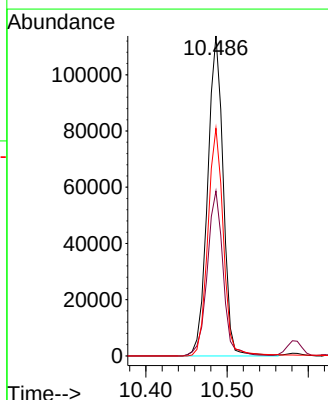
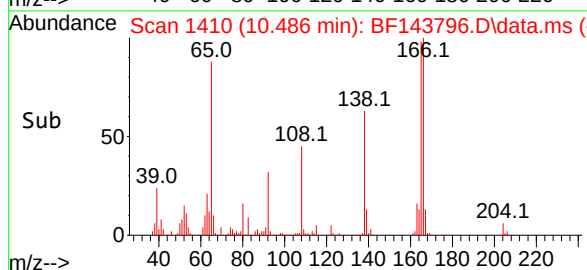
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

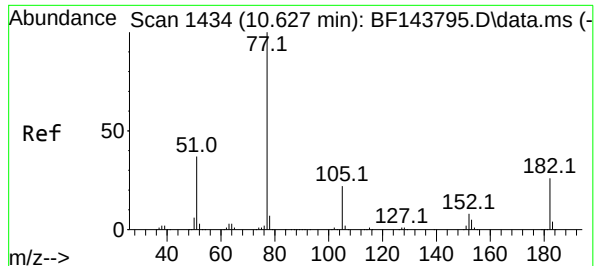


#62
4-Nitroaniline
Concen: 52.923 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28



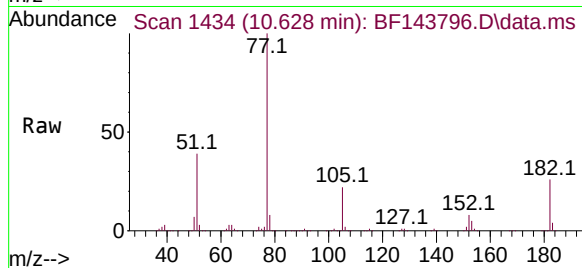
Tgt Ion:138 Resp: 152165
Ion Ratio Lower Upper
138 100
92 51.5 31.5 71.5
108 71.1 51.9 91.9





#63
Azobenzene
Concen: 47.725 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

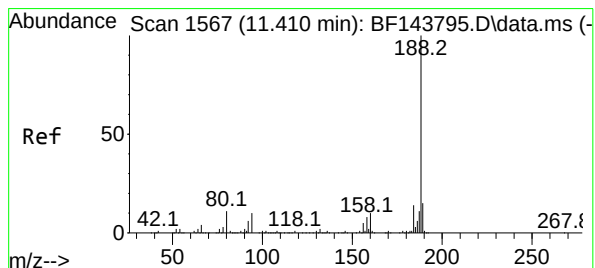
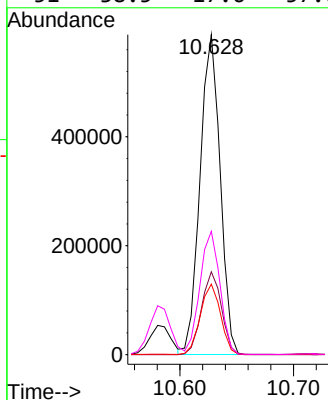
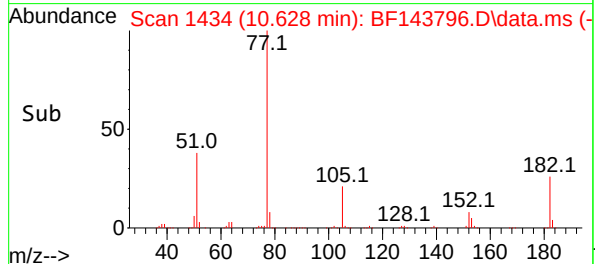
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



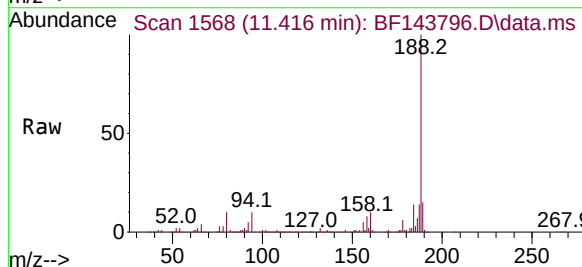
Tgt Ion: 77 Resp: 722936
Ion Ratio Lower Upper
77 100
182 25.9 5.9 45.9
105 22.1 2.3 42.3
51 38.5 17.6 57.6

Manual Integrations
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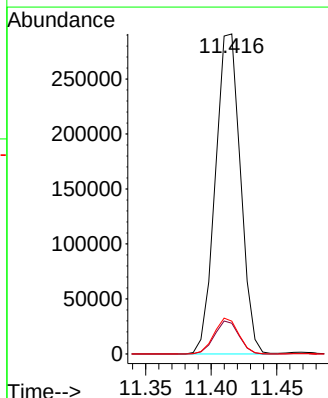
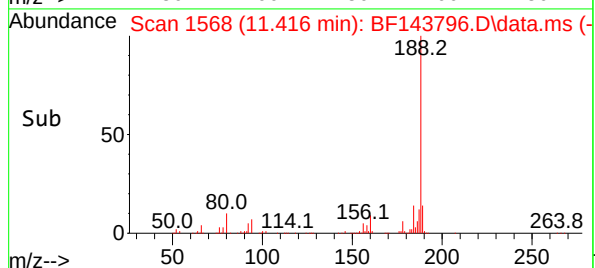
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

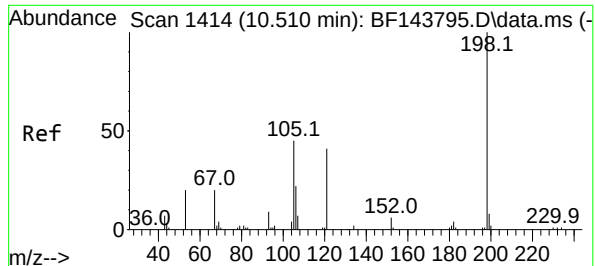


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28



Tgt Ion:188 Resp: 388493
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.2
80 10.2 8.6 12.8





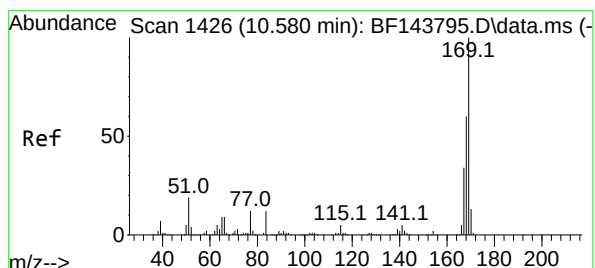
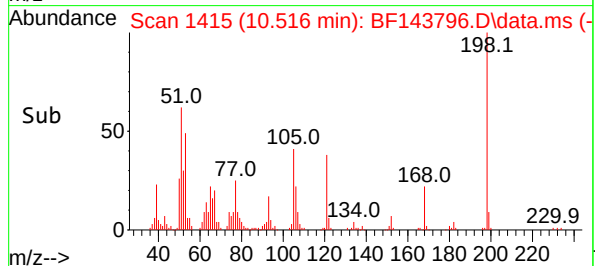
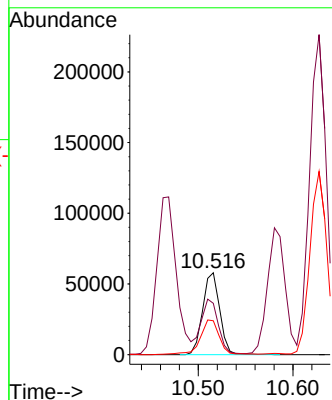
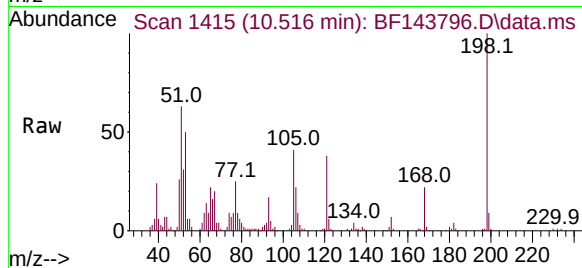
#65
4,6-Dinitro-2-methylphenol
Concen: 50.124 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 72195
Ion Ratio Lower Upper
198 100
51 62.7 52.0 92.0
105 41.4 27.5 67.5

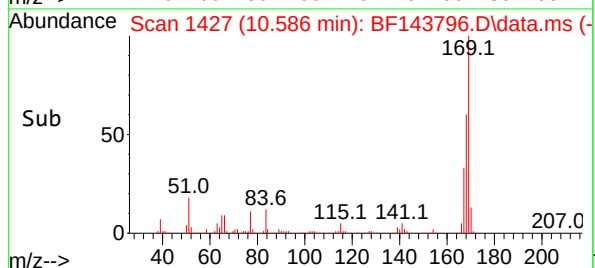
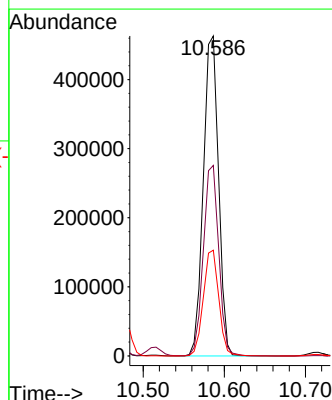
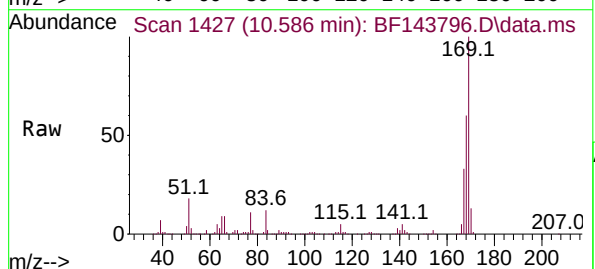
Manual Integrations
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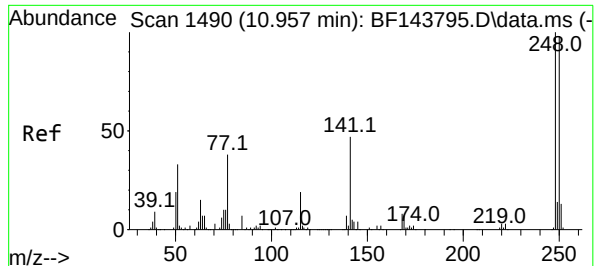
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#66
n-Nitrosodiphenylamine
Concen: 47.203 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

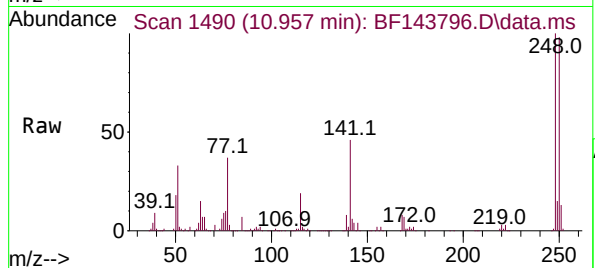
Tgt Ion:169 Resp: 603084
Ion Ratio Lower Upper
169 100
168 59.5 47.9 71.9
167 33.0 27.0 40.6





#67
4-Bromophenyl-phenylether
Concen: 48.975 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

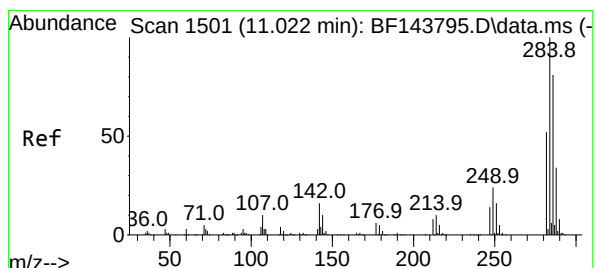
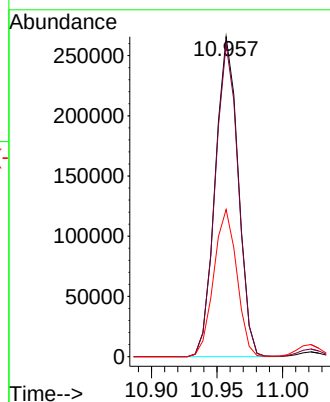
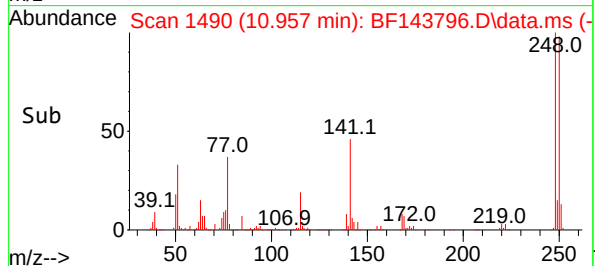
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



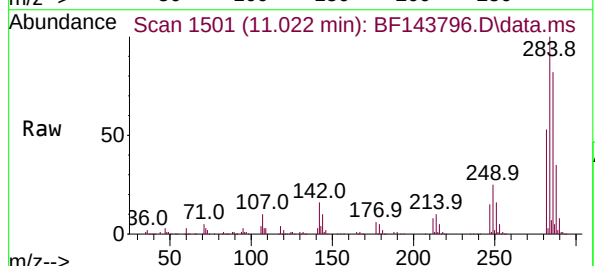
Tgt Ion:248 Resp: 324243
Ion Ratio Lower Upper
248 100
250 97.7 78.7 118.1
141 46.0 37.9 56.9

Manual Integrations
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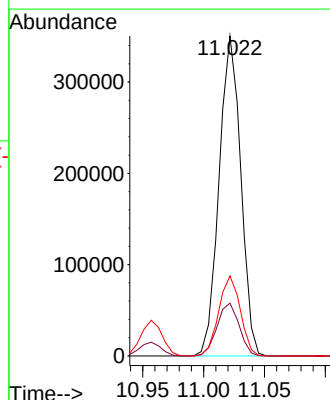
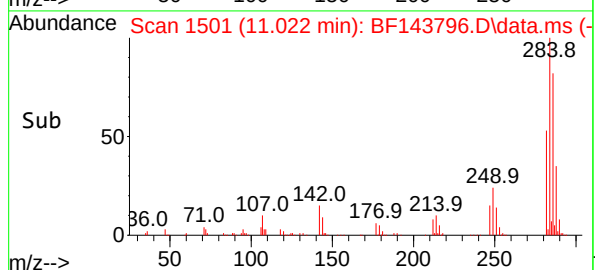
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

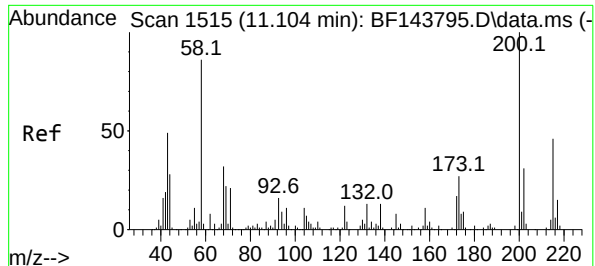


#68
Hexachlorobenzene
Concen: 47.539 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28



Tgt Ion:284 Resp: 433735
Ion Ratio Lower Upper
284 100
142 16.5 13.1 19.7
249 25.0 19.5 29.3





#69

Atrazine

Concen: 48.894 ng

RT: 11.110 min Scan# 1516

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:200 Resp: 180897

Ion Ratio Lower Upper

200 100

173 26.7 7.2 47.2

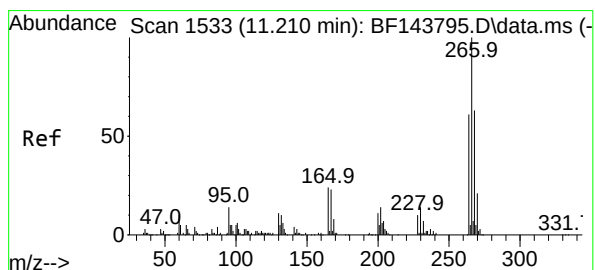
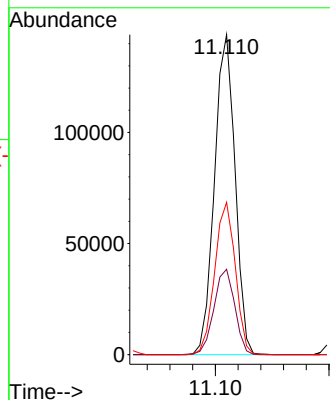
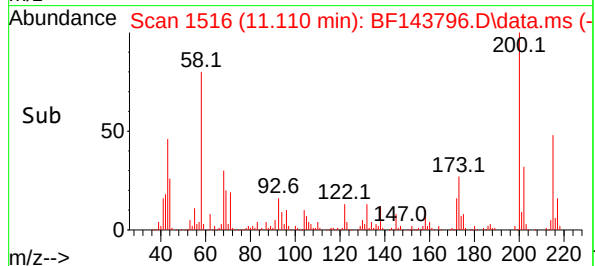
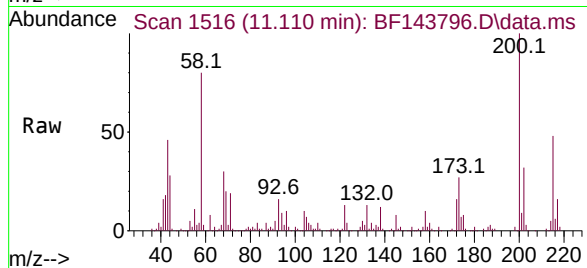
215 47.6 26.0 66.0

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#70

Pentachlorophenol

Concen: 51.024 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

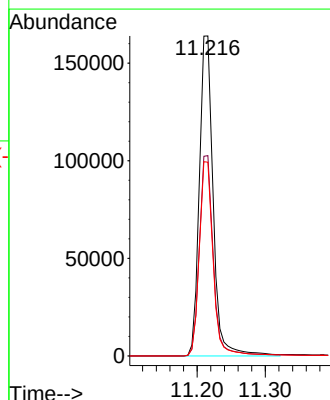
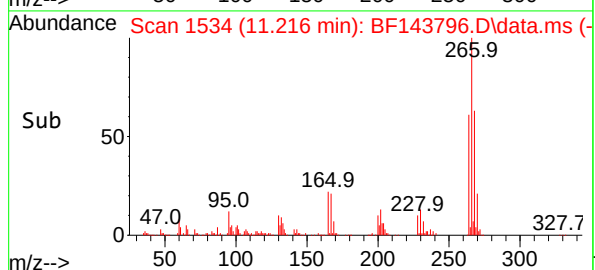
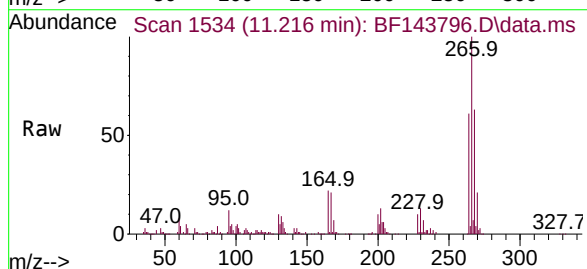
Tgt Ion:266 Resp: 231733

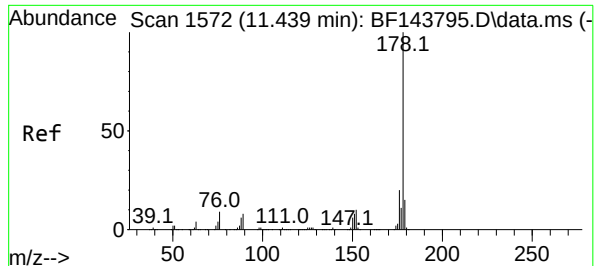
Ion Ratio Lower Upper

266 100

268 62.6 50.5 75.7

264 60.5 48.8 73.2





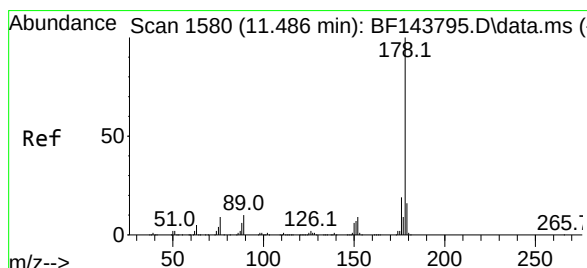
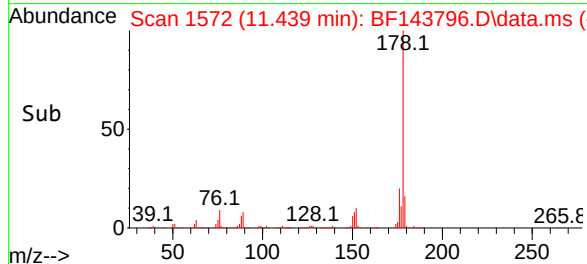
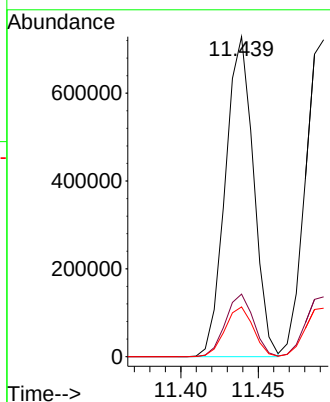
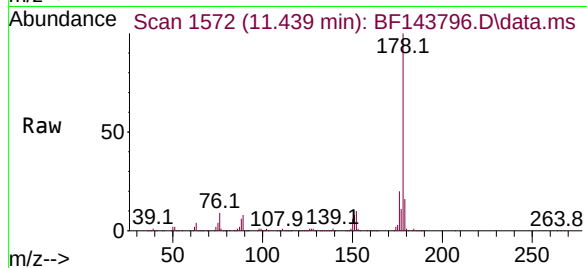
#71
Phenanthrene
Concen: 46.149 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 920438
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.5 12.2 18.4

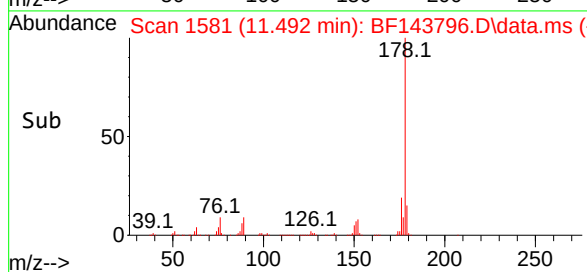
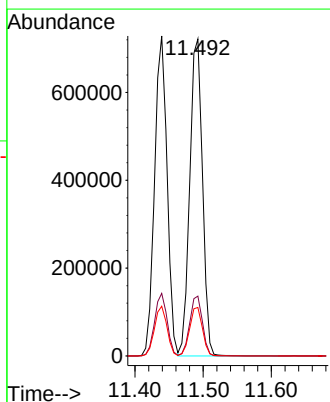
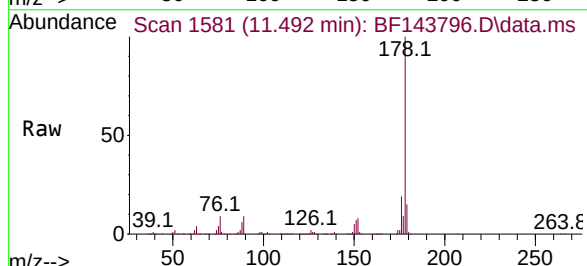
Manual Integrations
APPROVED

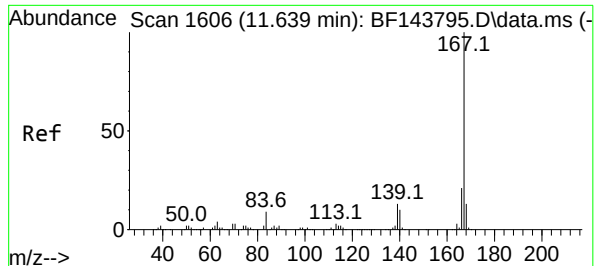
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#72
Anthracene
Concen: 46.825 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

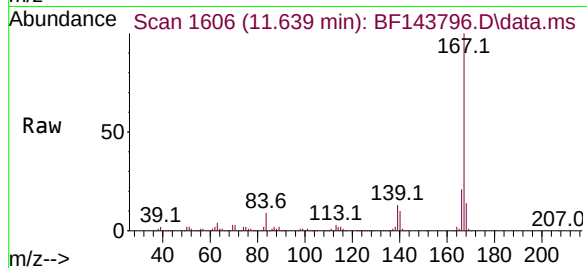
Tgt Ion:178 Resp: 936801
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.3 12.8 19.2





#73
Carbazole
Concen: 46.564 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

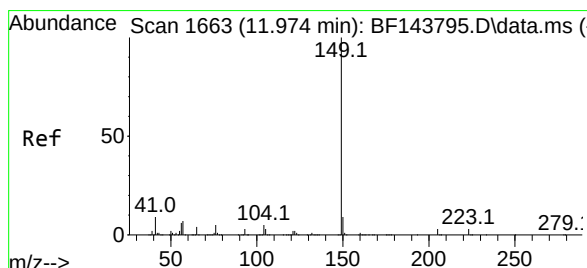
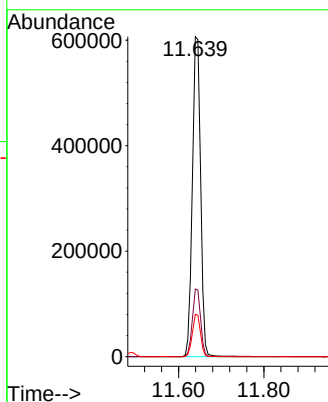
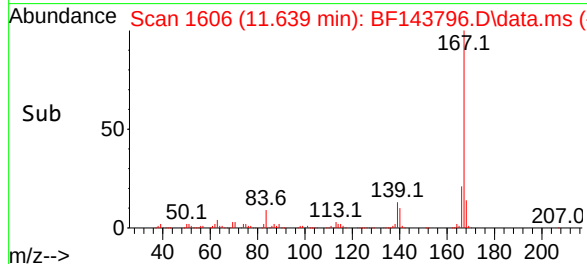
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



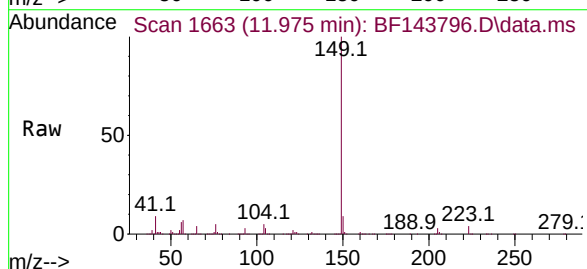
Tgt Ion:167 Resp: 814499
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 13.2 10.6 15.8

Manual Integrations
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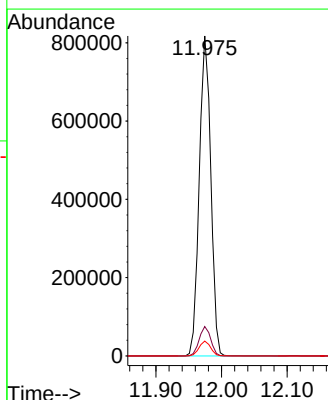
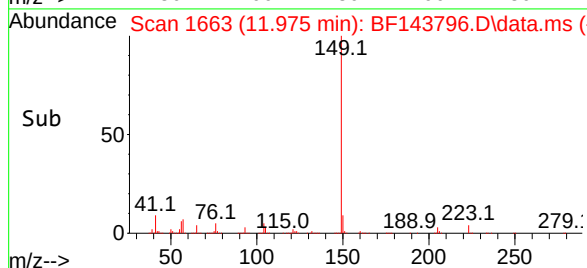
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

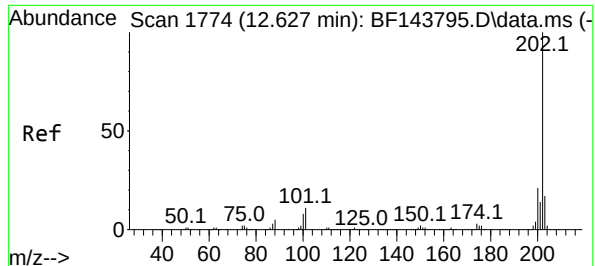


#74
Di-n-butylphthalate
Concen: 49.211 ng
RT: 11.975 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28



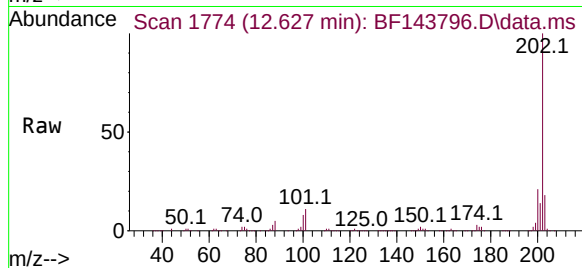
Tgt Ion:149 Resp: 990005
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.6 3.6 5.4





#75
Fluoranthene
Concen: 46.163 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

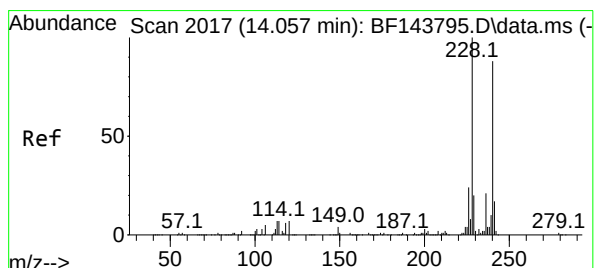
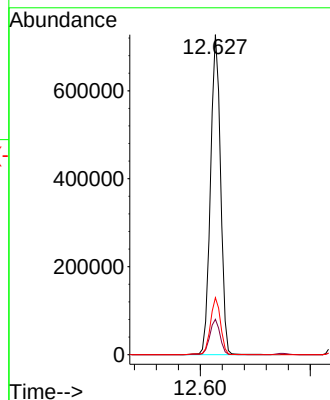
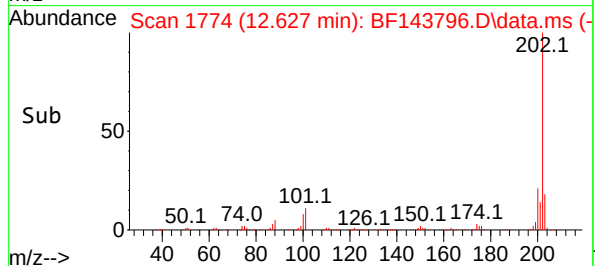
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 92604
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.1
203 17.8 0.0 37.4

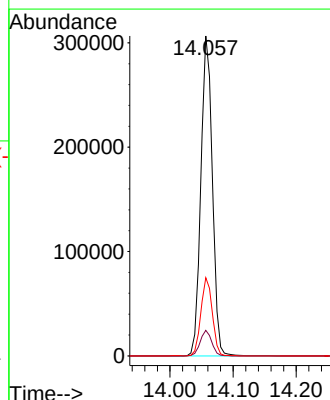
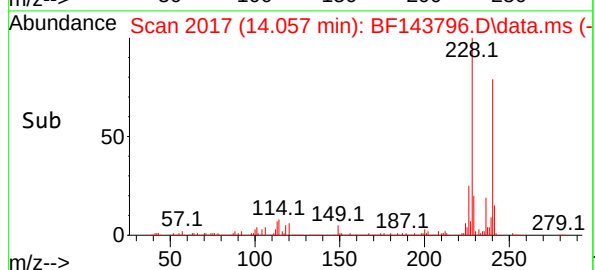
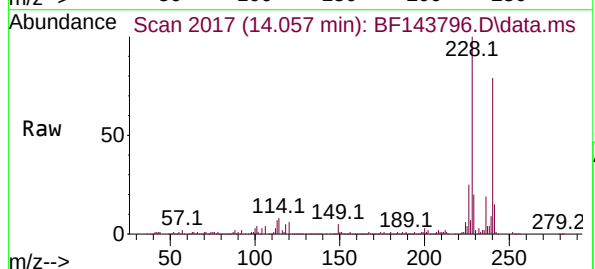
Manual Integrations
APPROVED

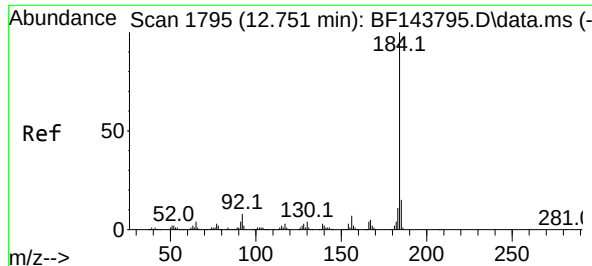
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 1717
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

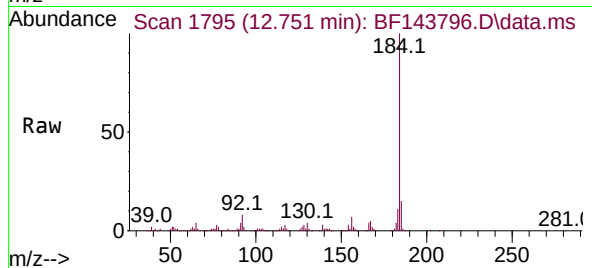
Tgt Ion:240 Resp: 388120
Ion Ratio Lower Upper
240 100
120 8.0 6.2 9.4
236 24.4 19.4 29.2





#77
Benzidine
Concen: 58.531 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

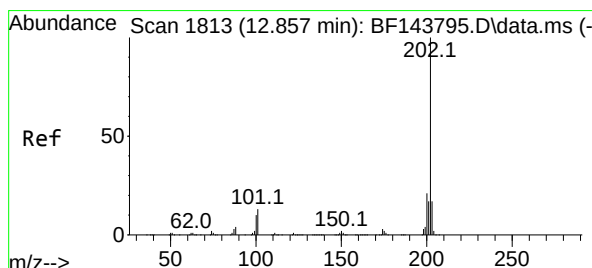
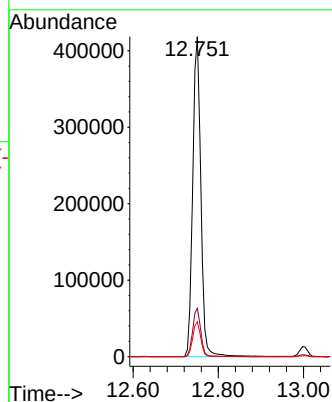
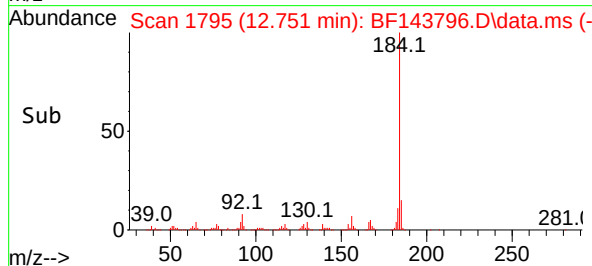
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 553563
Ion Ratio Lower Upper
184 100
185 15.1 11.6 17.4
183 10.9 8.6 13.0

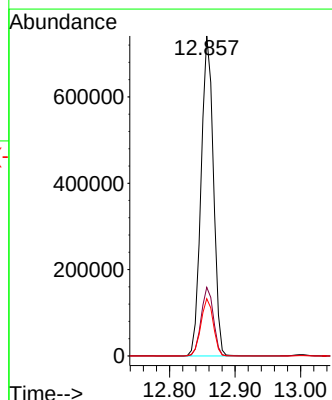
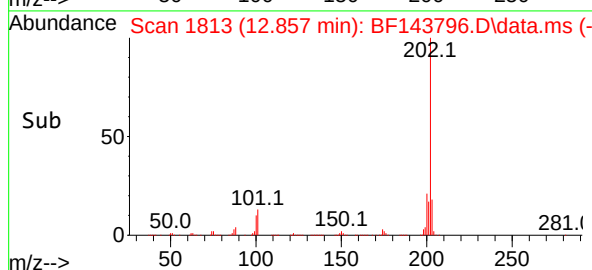
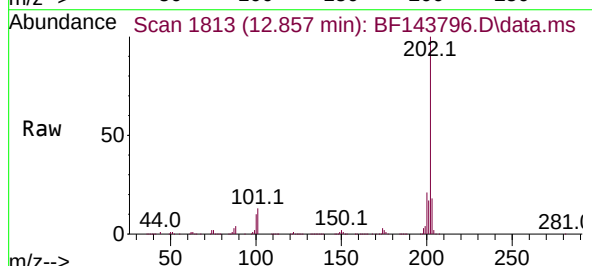
Manual Integrations
APPROVED

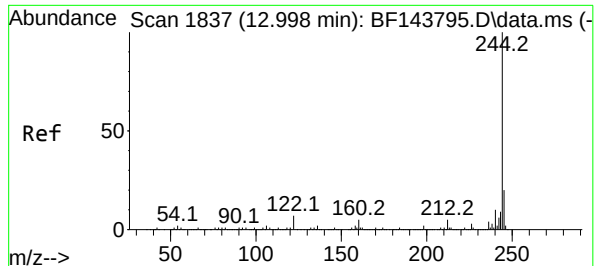
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#78
Pyrene
Concen: 50.323 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Tgt Ion:202 Resp: 960254
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.9 13.9 20.9





#79

Terphenyl-d14

Concen: 96.285 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143796.D

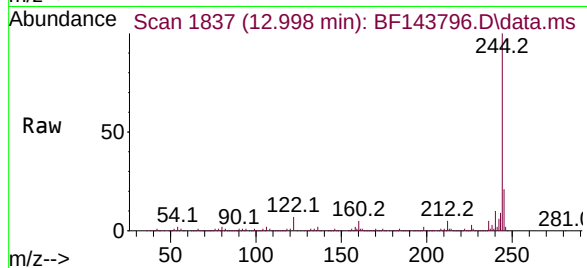
Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:244 Resp: 1903421

Ion Ratio Lower Upper

244 100

212 5.0 3.9 5.9

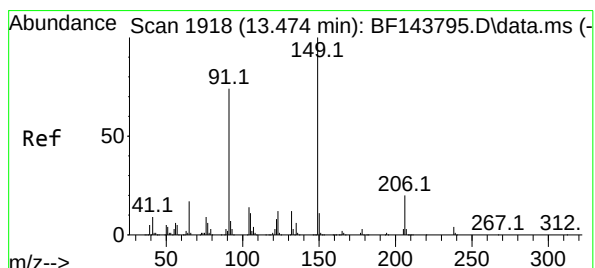
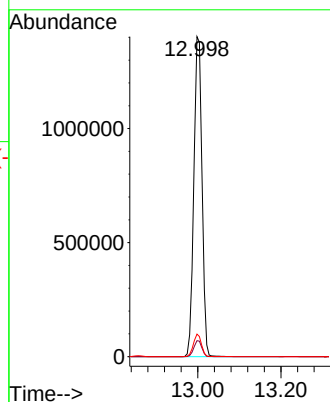
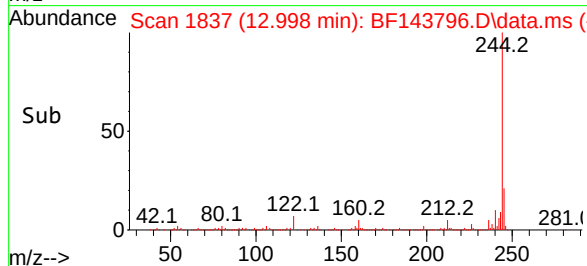
122 7.0 5.6 8.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#80

Butylbenzylphthalate

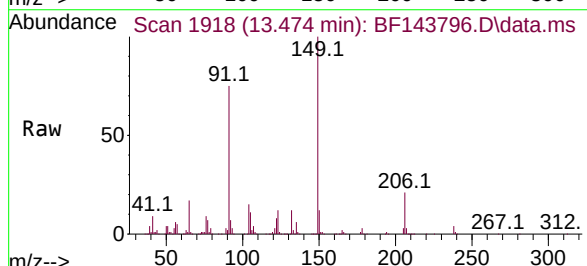
Concen: 53.969 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28



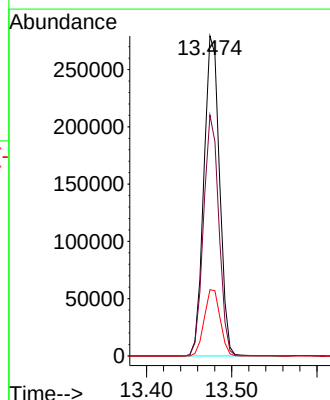
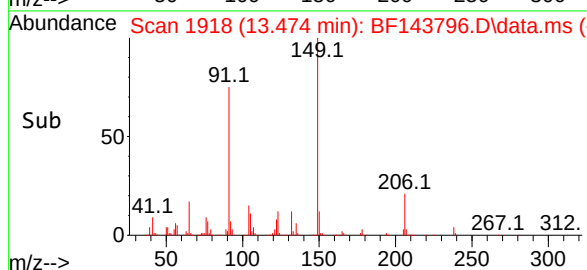
Tgt Ion:149 Resp: 356288

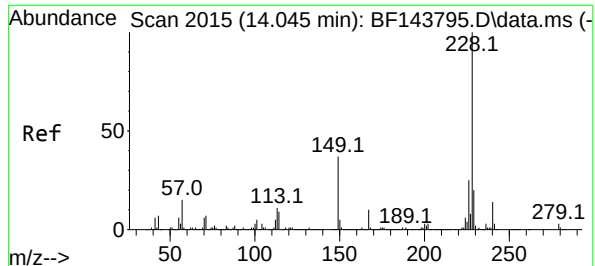
Ion Ratio Lower Upper

149 100

91 75.2 59.5 89.3

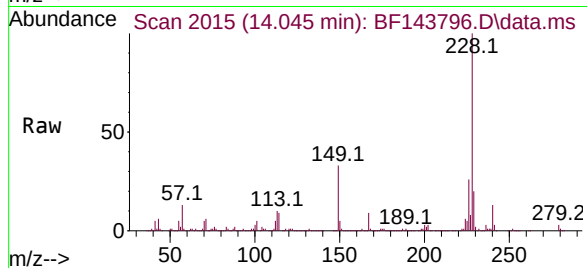
206 20.7 16.1 24.1





#81
Benzo(a)anthracene
Concen: 48.411 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

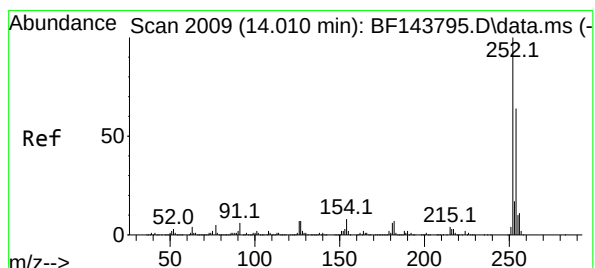
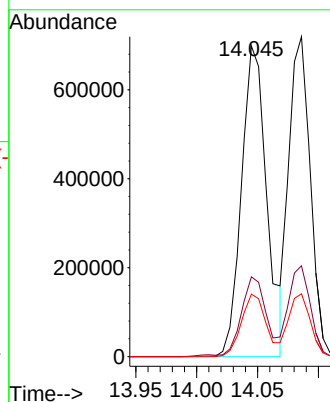
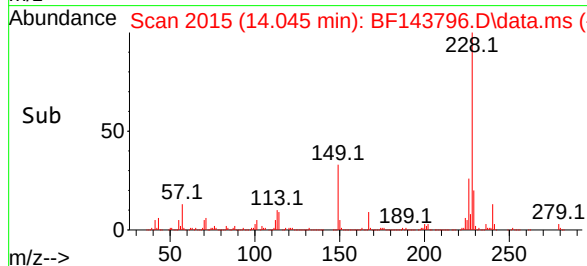
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 1009406
Ion Ratio Lower Upper
228 100
226 25.7 20.2 30.2
229 20.1 16.1 24.1

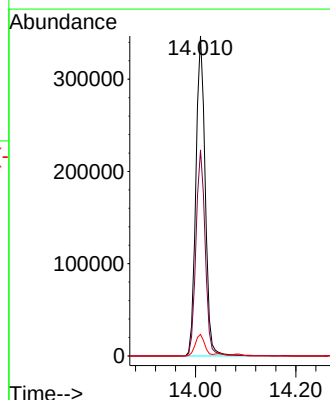
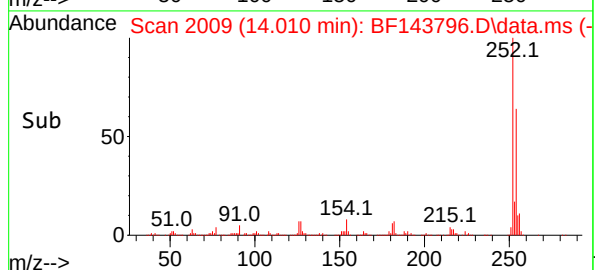
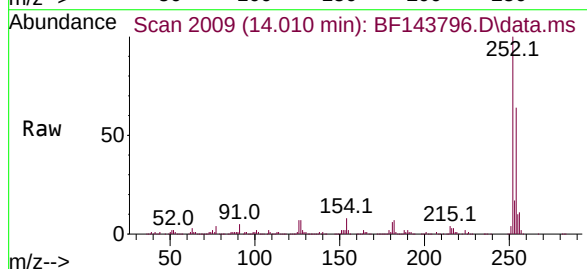
Manual Integrations
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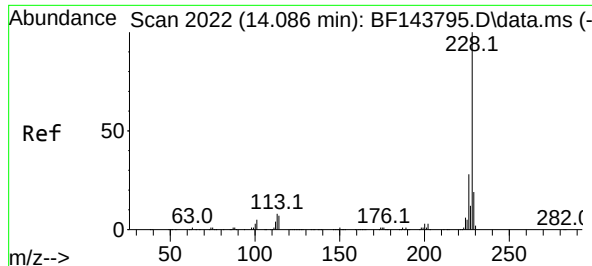
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#82
3,3'-Dichlorobenzidine
Concen: 49.304 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

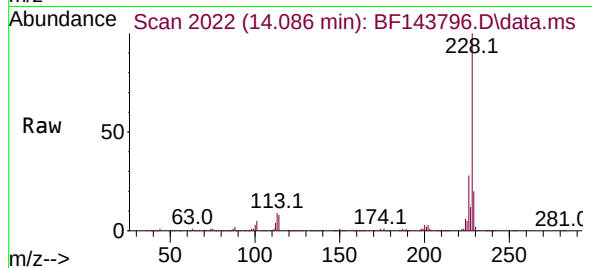
Tgt Ion:252 Resp: 445355
Ion Ratio Lower Upper
252 100
254 64.4 51.5 77.3
126 6.7 5.4 8.2





#83
Chrysene
Concen: 46.750 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

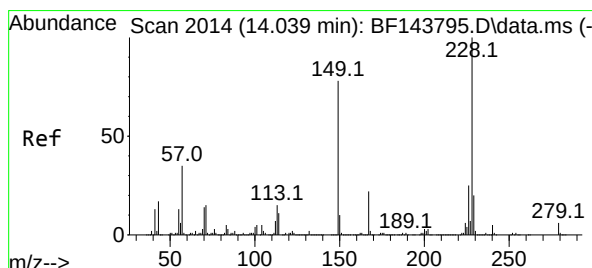
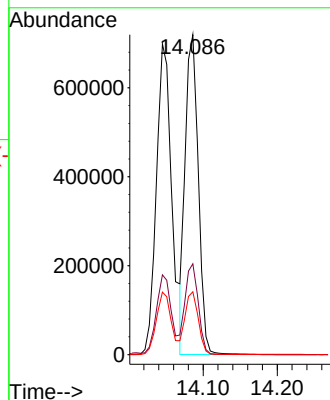
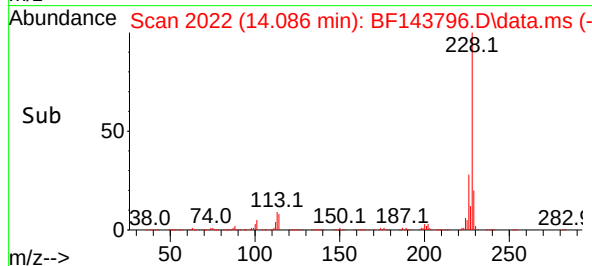
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



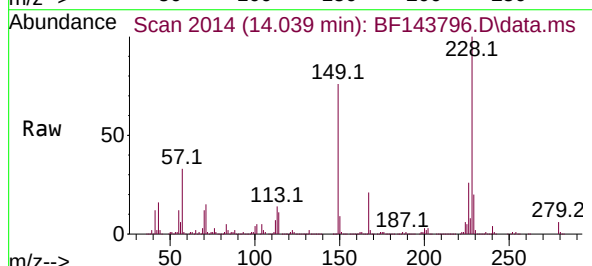
Tgt Ion:228 Resp: 882028
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 19.6 15.6 23.4

Manual Integrations
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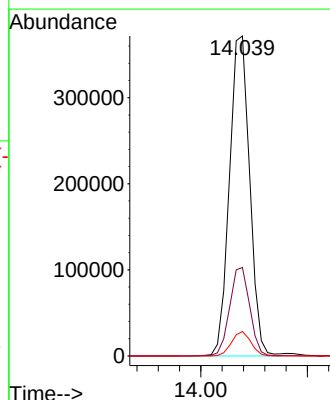
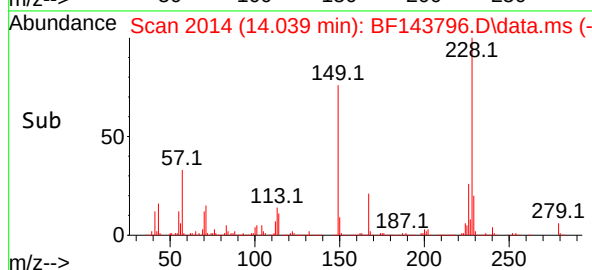
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

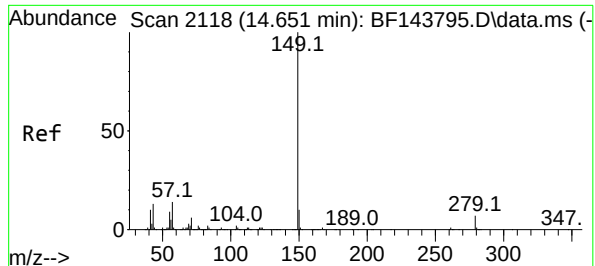


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.632 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28



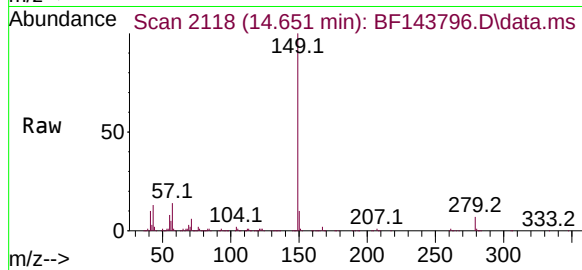
Tgt Ion:149 Resp: 489947
Ion Ratio Lower Upper
149 100
167 27.6 22.2 33.2
279 7.6 6.0 9.0





#85
Di-n-octyl phthalate
Concen: 49.877 ng
RT: 14.651 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

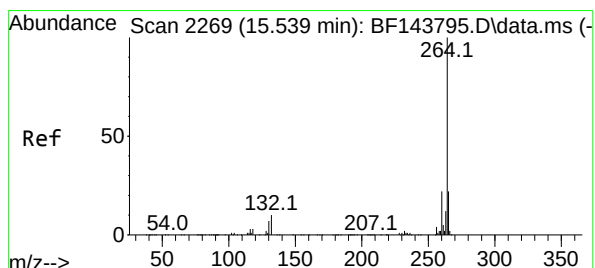
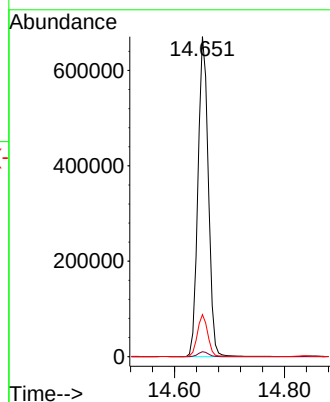
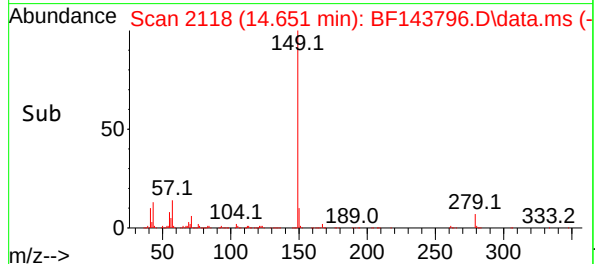
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:149 Resp: 875478
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.2 10.7 16.1

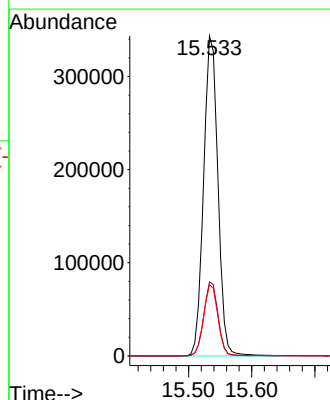
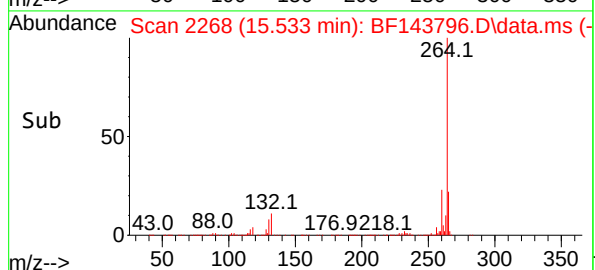
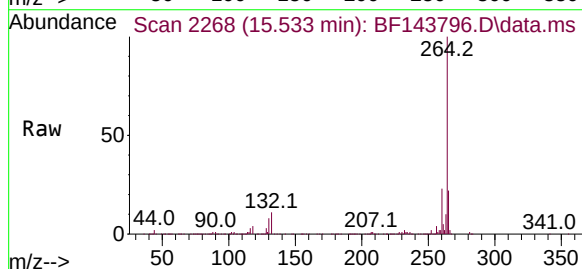
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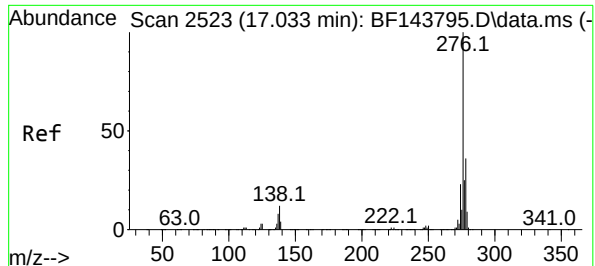
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Tgt Ion:264 Resp: 541272
Ion Ratio Lower Upper
264 100
260 23.1 17.9 26.9
265 22.2 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.707 ng

RT: 17.033 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:276 Resp: 2041373

Ion Ratio Lower Upper

276 100

138 12.9 10.6 15.8

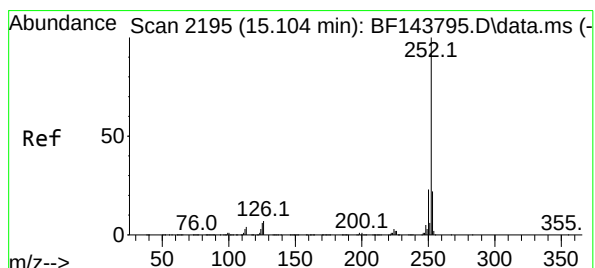
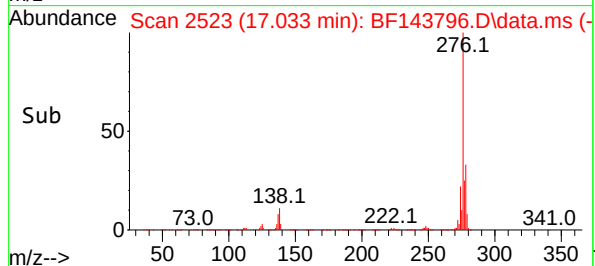
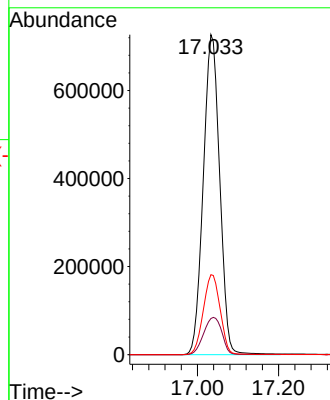
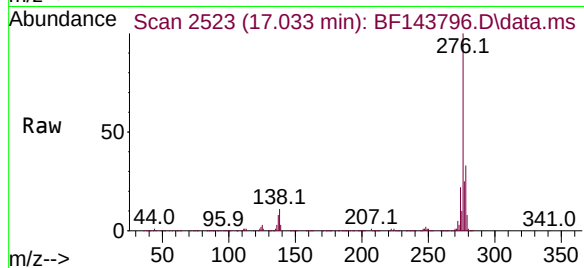
277 25.6 20.7 31.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#88

Benzo(b)fluoranthene

Concen: 49.206 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

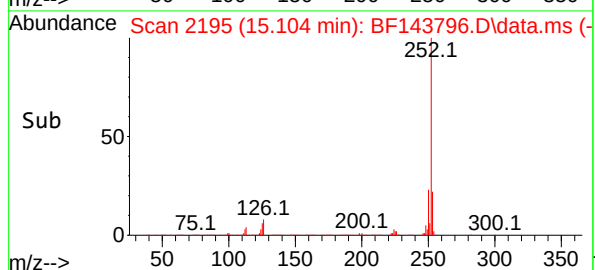
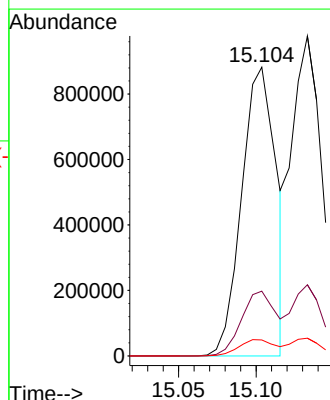
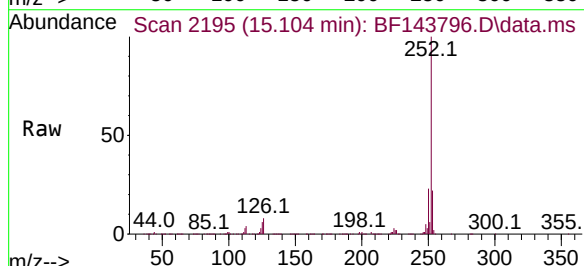
Tgt Ion:252 Resp: 1356316

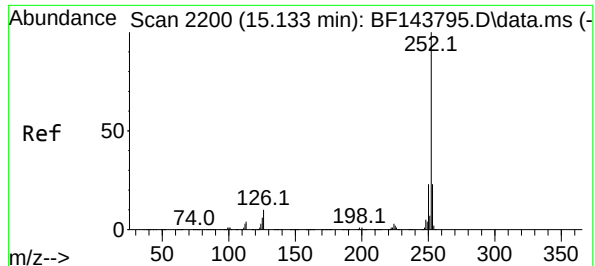
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 5.5 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 48.662 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 134759

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

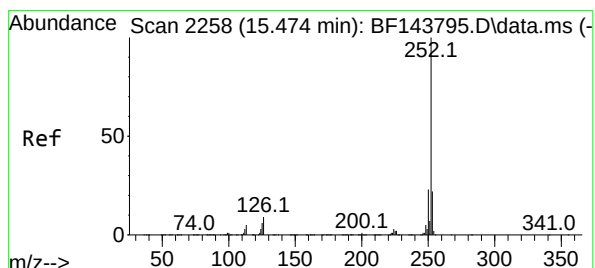
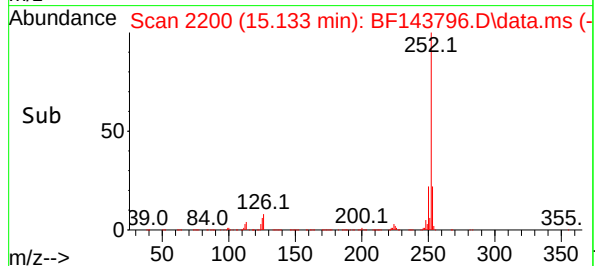
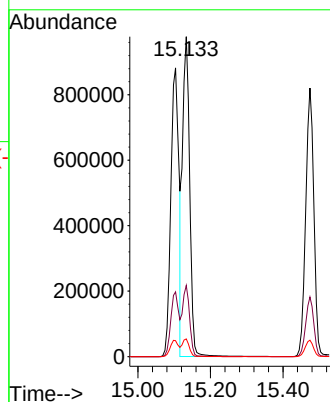
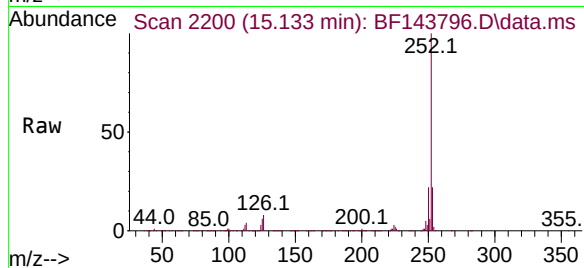
125 5.5 4.6 6.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#90

Benzo(a)pyrene

Concen: 49.541 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF143796.D

Acq: 23 Sep 2025 14:28

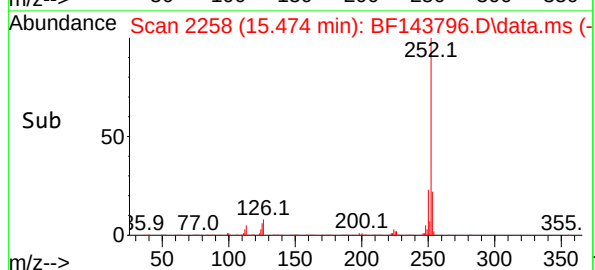
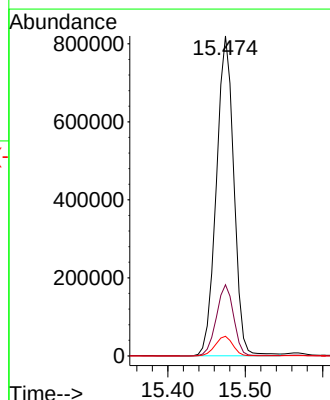
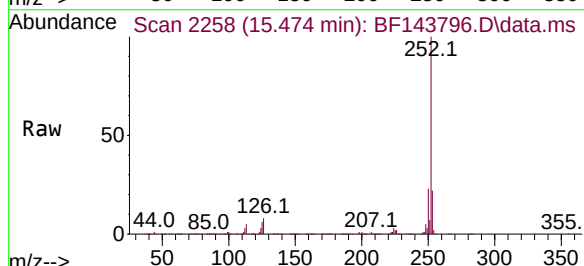
Tgt Ion:252 Resp: 1283604

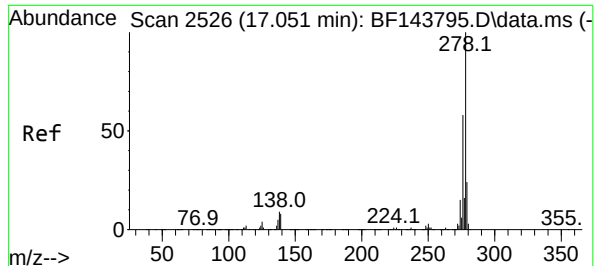
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

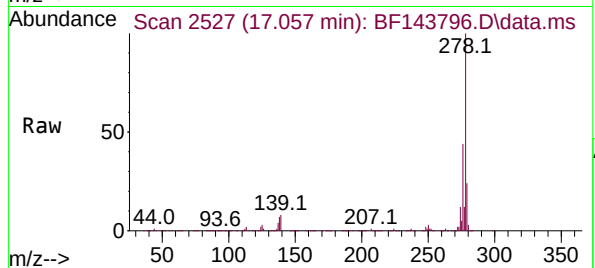
125 6.1 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 49.826 ng
RT: 17.057 min Scan# 2526
Delta R.T. -0.012 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

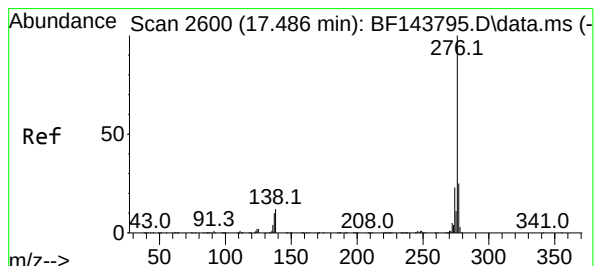
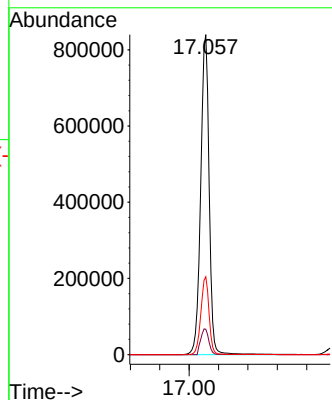
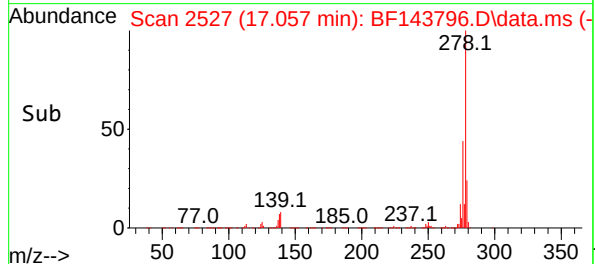
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:278 Resp: 1673679
Ion Ratio Lower Upper
278 100
139 7.9 6.7 10.1
279 24.3 19.3 28.9

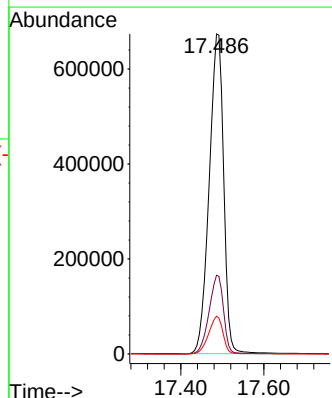
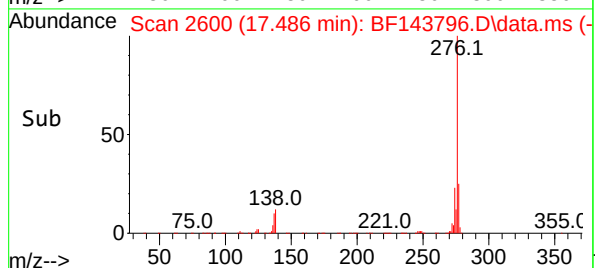
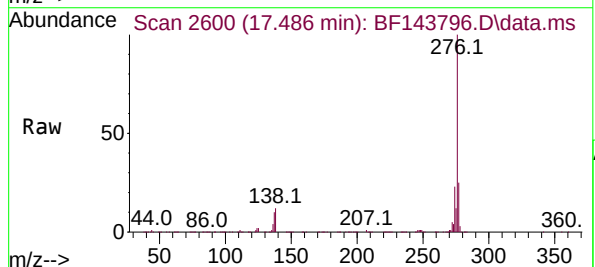
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#92
Benzo(g,h,i)perylene
Concen: 50.151 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.018 min
Lab File: BF143796.D
Acq: 23 Sep 2025 14:28

Tgt Ion:276 Resp: 1623902
Ion Ratio Lower Upper
276 100
277 24.6 19.6 29.4
138 11.8 9.2 13.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143797.D
 Acq On : 23 Sep 2025 14:58
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 17:06:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	132440	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	482940	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	240564	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	364411	20.000	ng	0.00
76) Chrysene-d12	14.057	240	359318	20.000	ng	0.00
86) Perylene-d12	15.533	264	519571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	948307	115.234	ng	0.00
7) Phenol-d6	6.510	99	1089571	112.196	ng	0.00
23) Nitrobenzene-d5	7.451	82	956391	124.628	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	396463	115.480	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1664507	102.249	ng	0.00
79) Terphenyl-d14	13.004	244	2132520	116.521	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	231372	59.300	ng	98
3) Pyridine	3.416	79	636709	60.455	ng	99
4) n-Nitrosodimethylamine	3.369	42	324819	61.507	ng	99
6) Aniline	6.551	93	785861	57.487	ng	100
8) 2-Chlorophenol	6.669	128	494437	59.248	ng	99
9) Benzaldehyde	6.440	77	611123	74.093	ng	99
10) Phenol	6.522	94	644396m	58.860	ng	
11) bis(2-Chloroethyl)ether	6.622	93	504773	58.819	ng	99
12) 1,3-Dichlorobenzene	6.828	146	550246	56.789	ng	99
13) 1,4-Dichlorobenzene	6.904	146	548117	56.685	ng	100
14) 1,2-Dichlorobenzene	7.057	146	520261	56.809	ng	99
15) Benzyl Alcohol	7.028	79	414075	60.843	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1178357	57.906	ng	100
17) 2-Methylphenol	7.134	107	381125	58.990	ng	99
18) Hexachloroethane	7.404	117	195969	57.629	ng	95
19) n-Nitroso-di-n-propyla...	7.304	70	345358	57.020	ng	100
20) 3+4-Methylphenols	7.287	107	454811	57.806	ng	95
22) Acetophenone	7.298	105	584748	55.128	ng	98
24) Nitrobenzene	7.469	77	523344	59.844	ng	98
25) Isophorone	7.710	82	917958	59.707	ng	99
26) 2-Nitrophenol	7.787	139	225802	62.050	ng	96
27) 2,4-Dimethylphenol	7.816	122	413744	60.209	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	567489	56.813	ng	99
29) 2,4-Dichlorophenol	8.022	162	402655	59.550	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	404040	57.579	ng	100
31) Naphthalene	8.192	128	1287223	55.678	ng	99
32) Benzoic acid	7.916	122	230784	69.608	ng	97
33) 4-Chloroaniline	8.239	127	467252	57.512	ng	99
34) Hexachlorobutadiene	8.310	225	303886	58.093	ng	99
35) Caprolactam	8.610	113	110413	63.887	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	379597	59.859	ng	99
37) 2-Methylnaphthalene	8.881	142	828108	56.174	ng	99
38) 1-Methylnaphthalene	8.981	142	796215	56.428	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	405534	55.860	ng	99
41) Hexachlorocyclopentadiene	9.039	237	289489	62.918	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	282839	62.219	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143797.D
 Acq On : 23 Sep 2025 14:58
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 17:06:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	289963	60.982	ng	99
46) 1,1'-Biphenyl	9.345	154	957109	54.963	ng	99
47) 2-Chloronaphthalene	9.375	162	779426	55.605	ng	99
48) 2-Nitroaniline	9.463	65	288403	68.075	ng	97
49) Acenaphthylene	9.786	152	1091835	56.581	ng	100
50) Dimethylphthalate	9.639	163	859613	58.627	ng	100
51) 2,6-Dinitrotoluene	9.704	165	166977	69.313	ng	98
52) Acenaphthene	9.957	154	704698	55.494	ng	99
53) 3-Nitroaniline	9.875	138	192607	65.960	ng	99
54) 2,4-Dinitrophenol	9.975	184	54678	61.464	ng	81
55) Dibenzofuran	10.134	168	1004529	55.941	ng	100
56) 4-Nitrophenol	10.022	139	142495	60.557	ng	97
57) 2,4-Dinitrotoluene	10.104	165	222260	61.297	ng	99
58) Fluorene	10.475	166	711929	53.330	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	260302	63.904	ng	99
60) Diethylphthalate	10.345	149	800261	58.305	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	378141	55.593	ng	98
62) 4-Nitroaniline	10.486	138	175465	63.907	ng	99
63) Azobenzene	10.628	77	839301	58.022	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	90861	62.624	ng	91
66) n-Nitrosodiphenylamine	10.586	169	695896	58.067	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	373431	60.132	ng	99
68) Hexachlorobenzene	11.022	284	504432	58.941	ng	99
69) Atrazine	11.110	200	204628	58.963	ng	98
70) Pentachlorophenol	11.216	266	277473	65.133	ng	100
71) Phenanthrene	11.439	178	1042871	55.742	ng	99
72) Anthracene	11.492	178	1052693	56.095	ng	100
73) Carbazole	11.645	167	925032	56.377	ng	99
74) Di-n-butylphthalate	11.975	149	1113894	59.029	ng	100
75) Fluoranthene	12.627	202	1044763	55.523	ng	99
77) Benzidine	12.751	184	596216	68.094	ng	99
78) Pyrene	12.857	202	1089660	61.683	ng	100
80) Butylbenzylphthalate	13.474	149	411027	67.252	ng	99
81) Benzo(a)anthracene	14.045	228	1148366	59.491	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	517428	61.874	ng	100
83) Chrysene	14.086	228	1014385	58.075	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	556458	62.115	ng	100
85) Di-n-octyl phthalate	14.651	149	1010224	62.167	ng	99
87) Indeno(1,2,3-cd)pyrene	17.039	276	2413125	61.213	ng	99
88) Benzo(b)fluoranthene	15.104	252	1562058	59.037	ng	100
89) Benzo(k)fluoranthene	15.133	252	1604602	60.363	ng	99
90) Benzo(a)pyrene	15.474	252	1514049	60.876	ng	99
91) Dibenzo(a,h)anthracene	17.057	278	1959781	60.781	ng	99
92) Benzo(g,h,i)perylene	17.492	276	1938747	62.375	ng	100

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

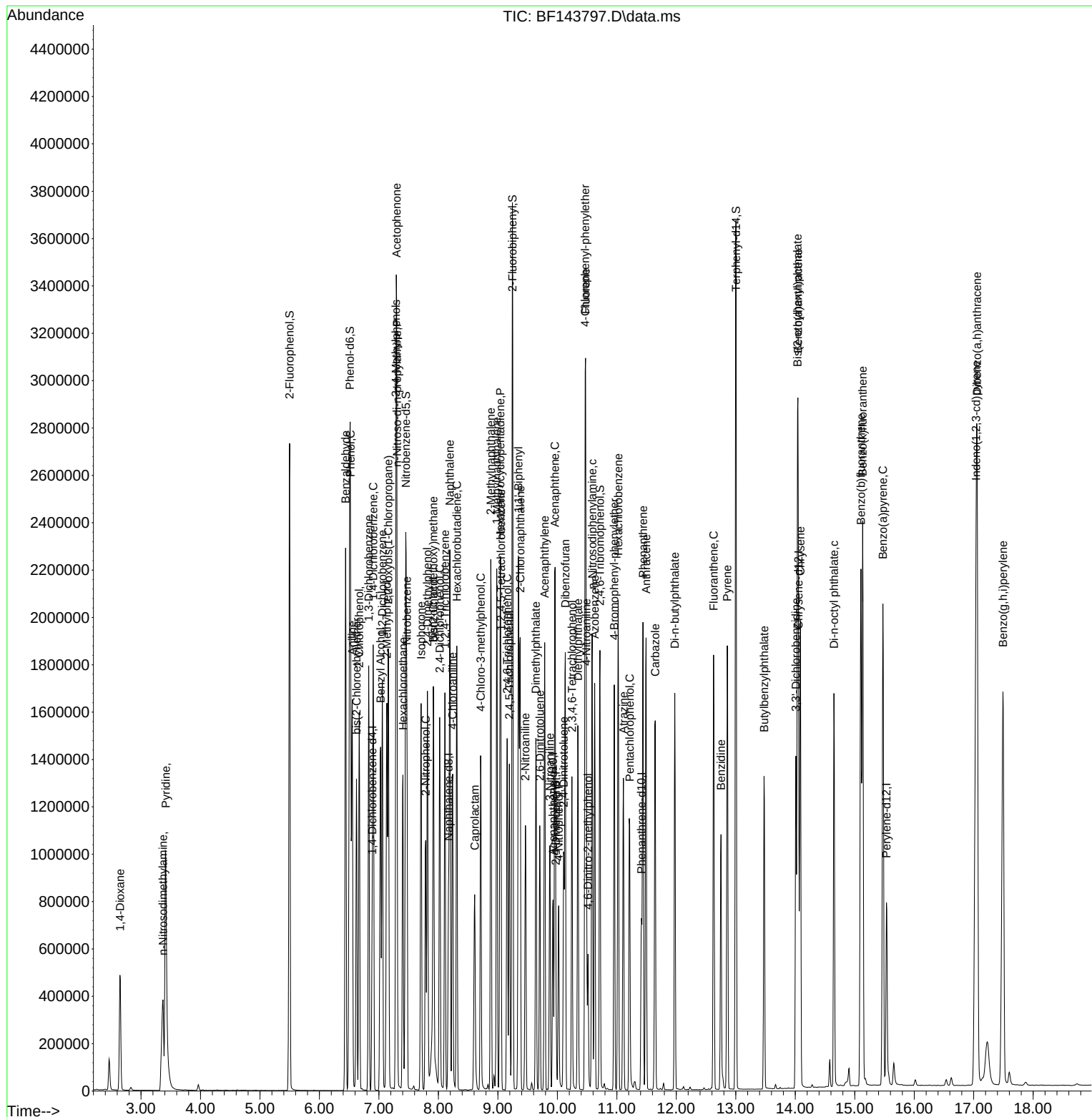
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Data File : BF143797.D
Acq On : 23 Sep 2025 14:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

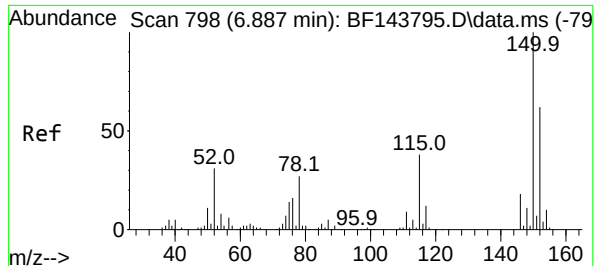
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jaagrut Upadhyay 09/24/2025

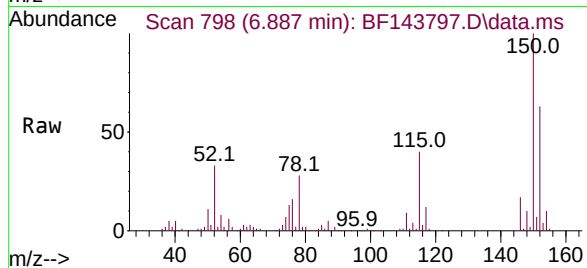
Quant Time: Sep 23 17:06:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 16:31:21 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

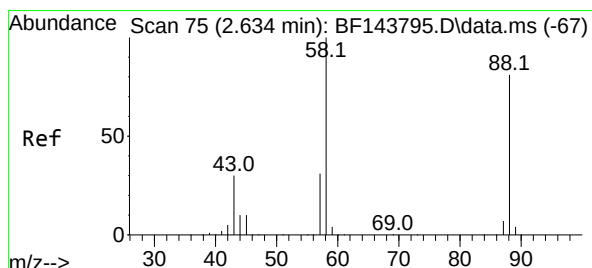
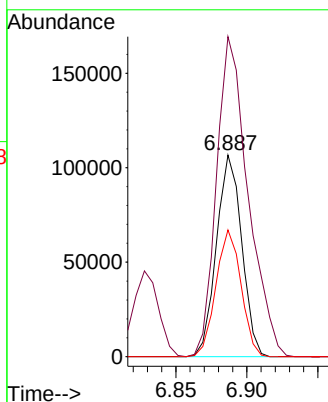
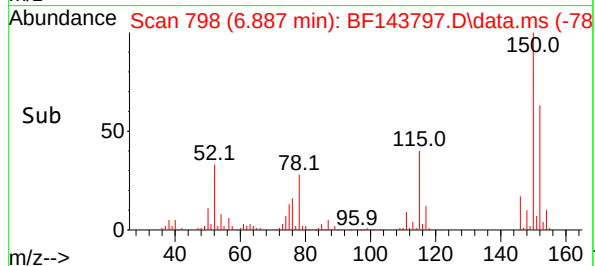
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:152 Resp: 132440
Ion Ratio Lower Upper
152 100
150 158.8 129.6 194.4
115 62.9 49.0 73.4

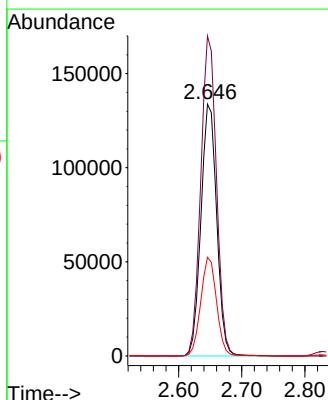
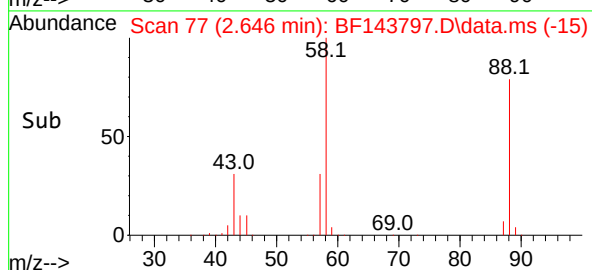
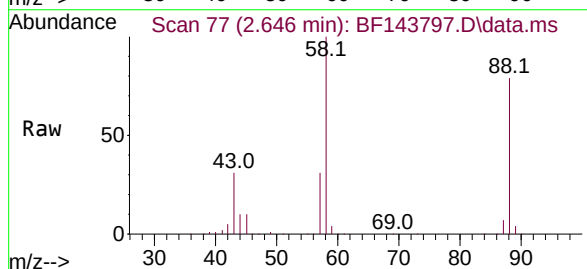
Manual Integrations
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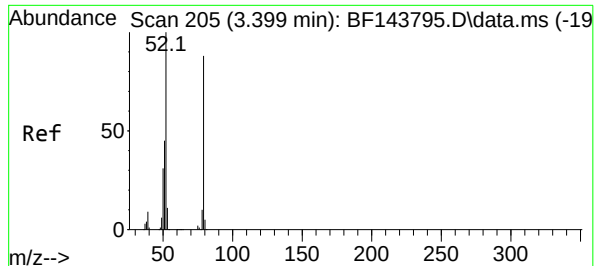
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#2
1,4-Dioxane
Concen: 59.300 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.012 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

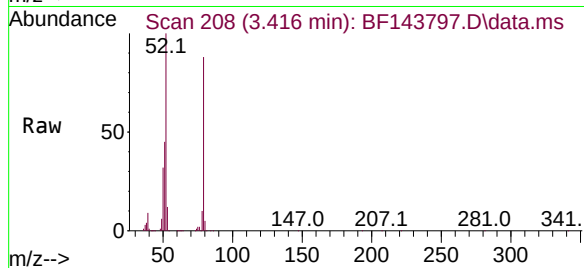
Tgt Ion: 88 Resp: 231372
Ion Ratio Lower Upper
88 100
58 126.7 99.4 149.2
43 39.3 30.6 45.8





#3
Pyridine
Concen: 60.455 ng
RT: 3.416 min Scan# 205
Delta R.T. 0.018 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

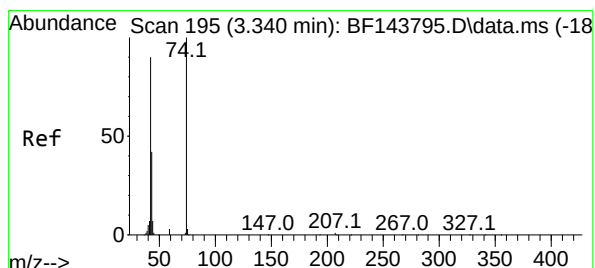
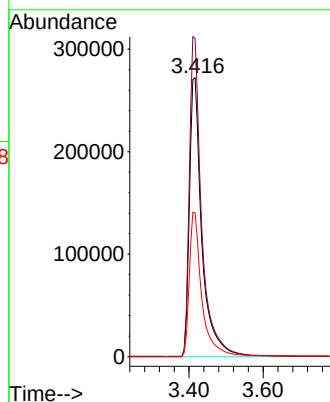
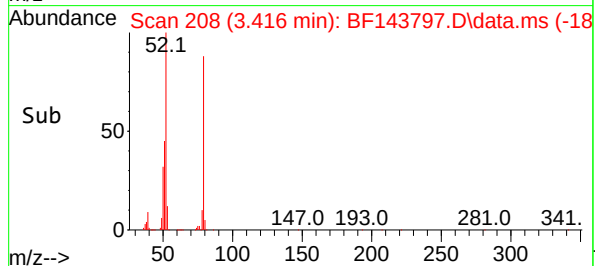
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 79 Resp: 636709
Ion Ratio Lower Upper
79 100
52 114.1 90.5 135.7
51 51.6 40.6 61.0

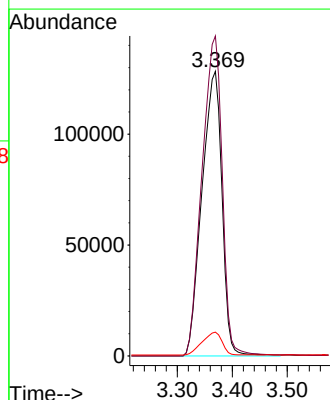
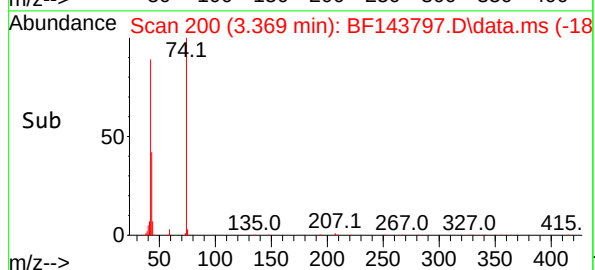
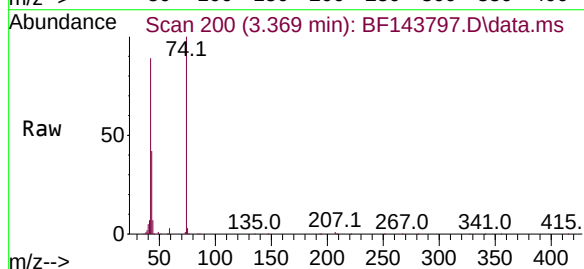
Manual Integrations
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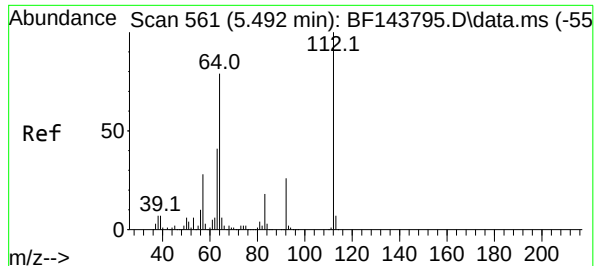
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#4
n-Nitrosodimethylamine
Concen: 61.507 ng
RT: 3.369 min Scan# 200
Delta R.T. 0.012 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

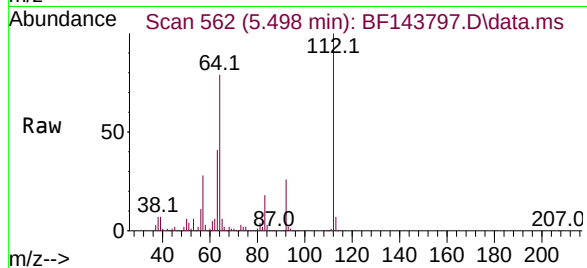
Tgt Ion: 42 Resp: 324819
Ion Ratio Lower Upper
42 100
74 112.5 89.1 133.7
44 8.4 6.4 9.6





#5
2-Fluorophenol
Concen: 115.234 ng
RT: 5.498 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

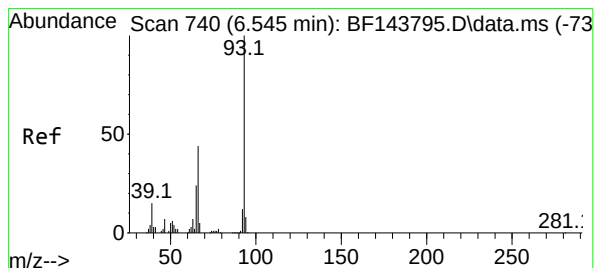
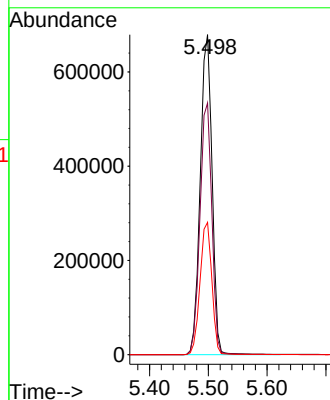
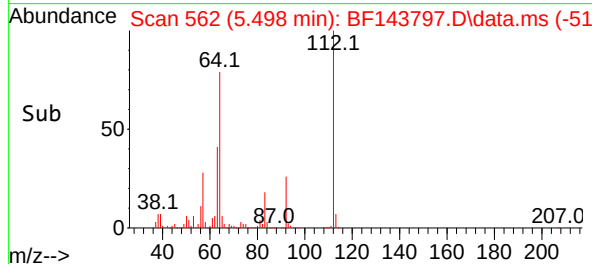
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 112 Resp: 948307
Ion Ratio Lower Upper
112 100
64 78.7 63.0 94.4
63 41.3 32.6 49.0

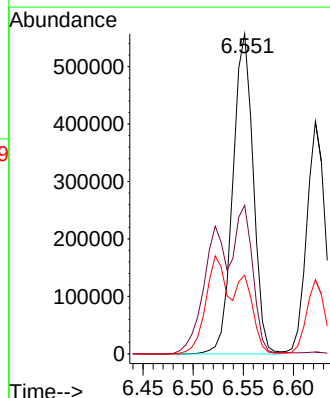
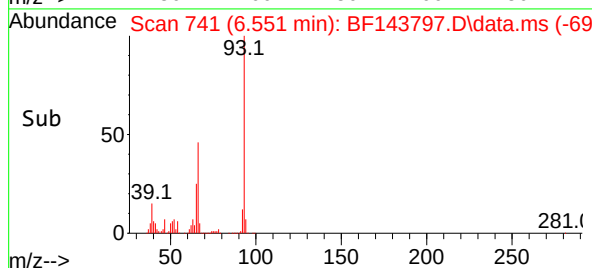
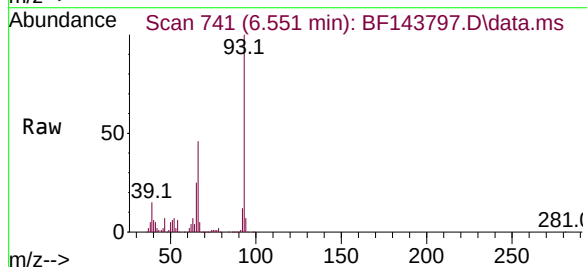
Manual Integrations
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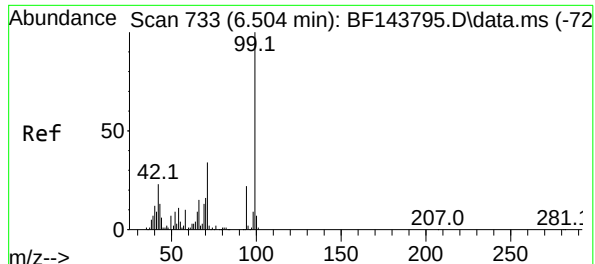
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#6
Aniline
Concen: 57.487 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

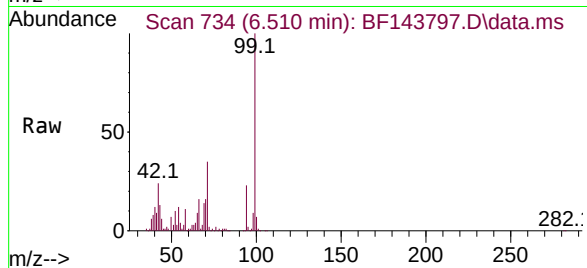
Tgt Ion: 93 Resp: 785861
Ion Ratio Lower Upper
93 100
66 46.4 37.1 55.7
65 24.6 19.4 29.0





#7
Phenol-d6
Concen: 112.196 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

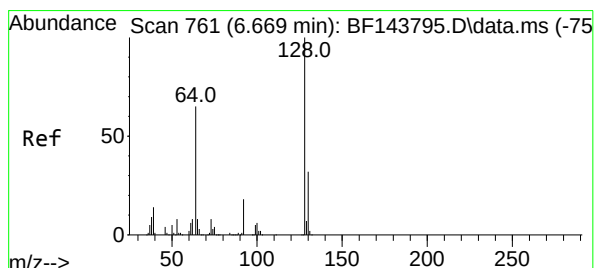
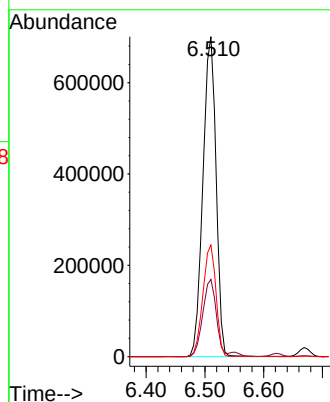
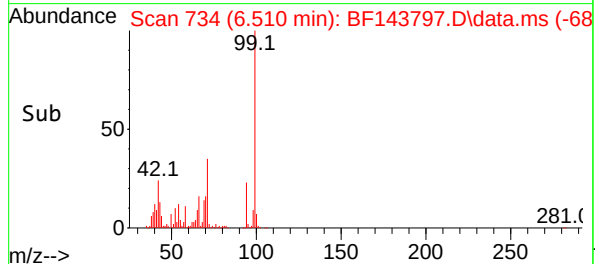
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 99 Resp: 108957
Ion Ratio Lower Upper
99 100
42 24.1 18.6 28.0
71 34.9 27.0 40.4

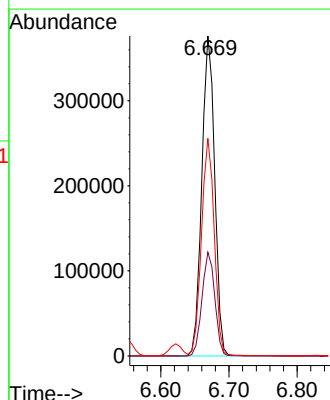
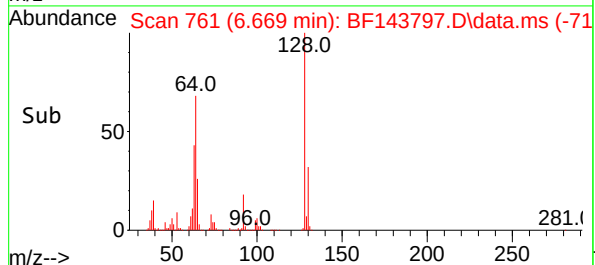
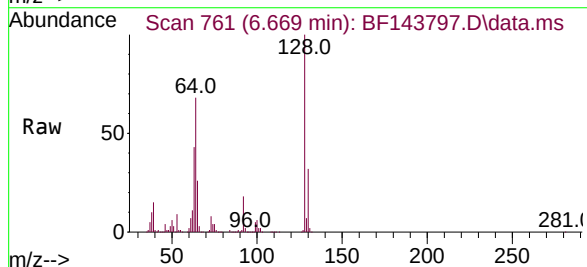
Manual Integrations
APPROVED

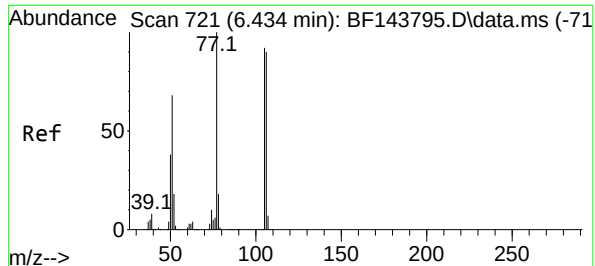
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#8
2-Chlorophenol
Concen: 59.248 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

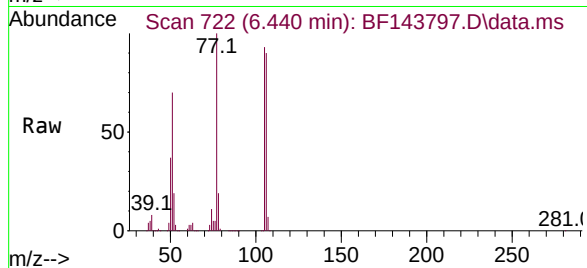
Tgt Ion:128 Resp: 494437
Ion Ratio Lower Upper
128 100
130 32.4 12.2 52.2
64 68.0 46.5 86.5





#9
Benzaldehyde
Concen: 74.093 ng
RT: 6.440 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

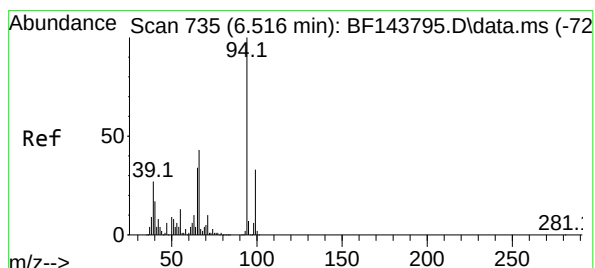
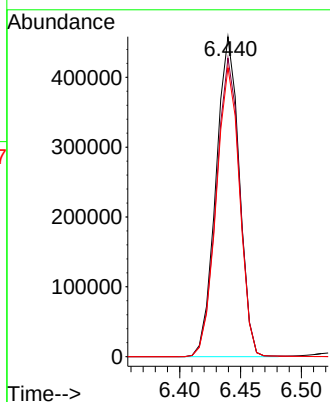
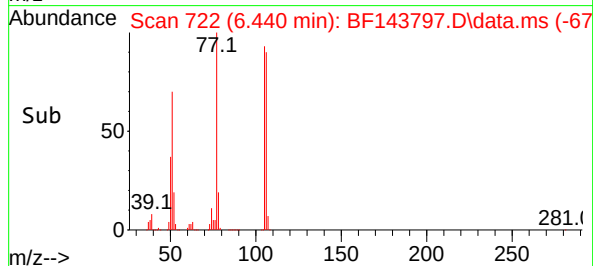
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



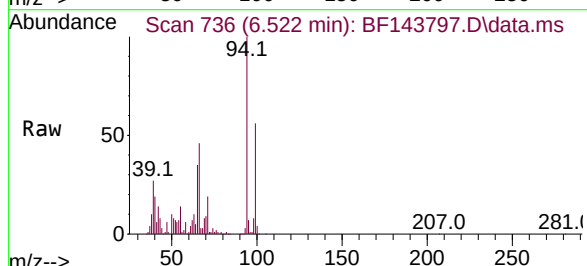
Tgt Ion: 77 Resp: 611123
Ion Ratio Lower Upper
77 100
105 93.3 71.8 111.8
106 90.3 69.8 109.8

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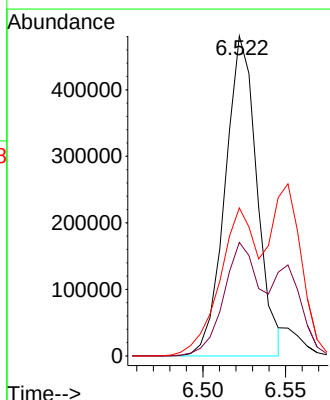
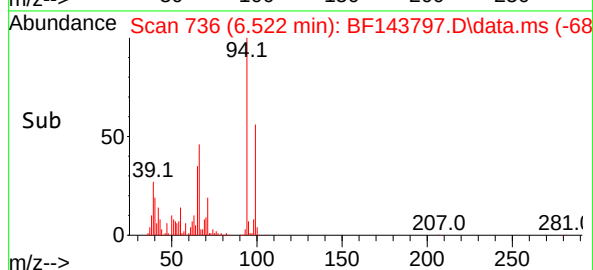
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

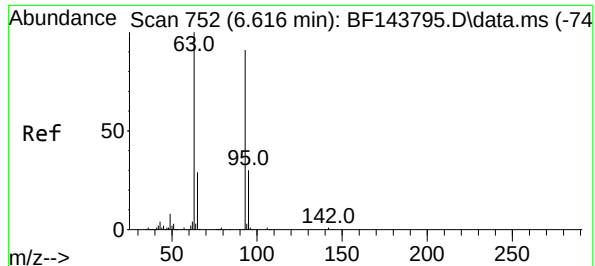


#10
Phenol
Concen: 58.860 ng m
RT: 6.522 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58



Tgt Ion: 94 Resp: 644396
Ion Ratio Lower Upper
94 100
65 35.5 14.2 54.2
66 46.2 24.1 64.1





#11

bis(2-Chloroethyl)ether

Concen: 58.819 ng

RT: 6.622 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 93 Resp: 504773

Ion Ratio Lower Upper

93 100

63 110.4 89.2 129.2

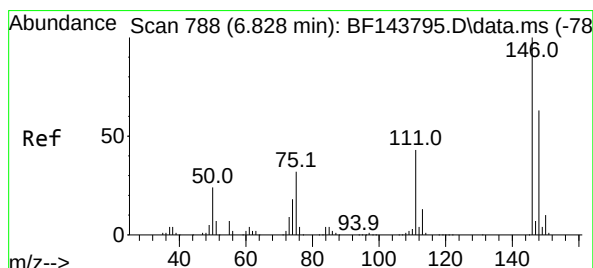
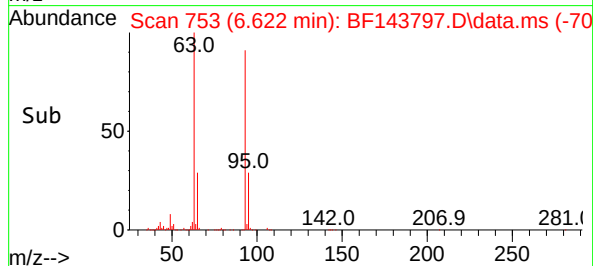
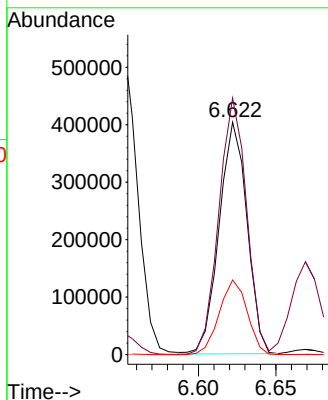
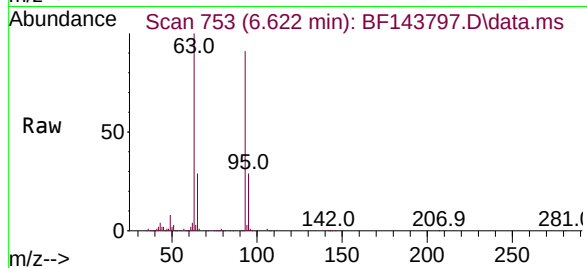
95 32.1 12.9 52.9

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#12

1,3-Dichlorobenzene

Concen: 56.789 ng

RT: 6.828 min Scan# 788

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

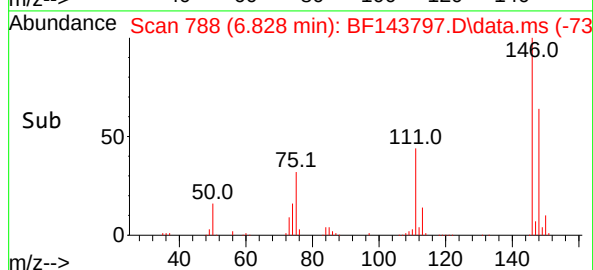
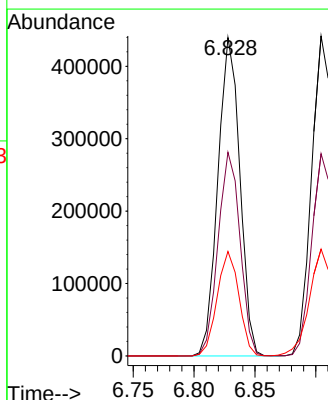
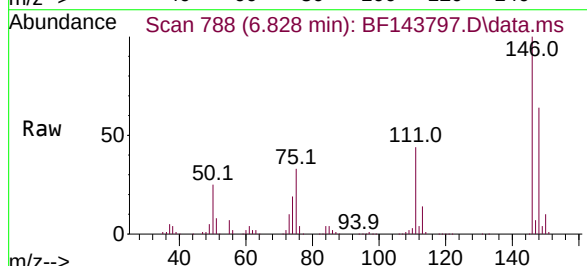
Tgt Ion:146 Resp: 550246

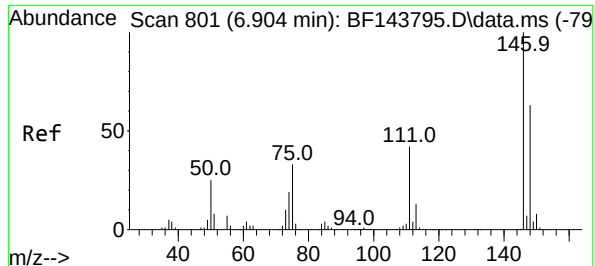
Ion Ratio Lower Upper

146 100

148 64.0 50.4 75.6

75 32.8 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 56.685 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 54811

Ion Ratio Lower Upper

146 100

148 63.2 50.7 76.1

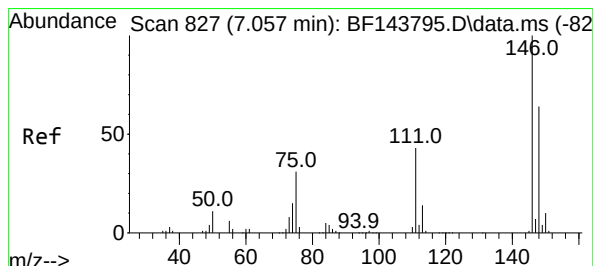
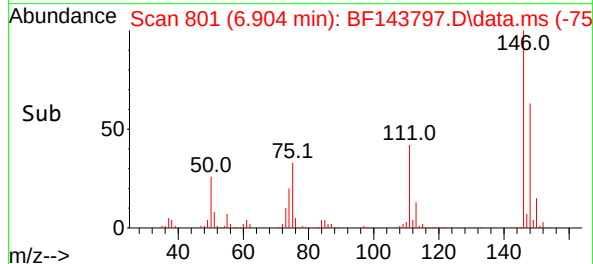
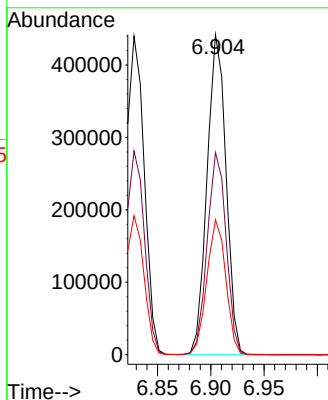
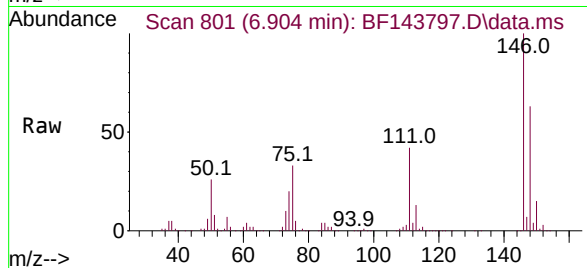
111 42.2 33.4 50.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#14

1,2-Dichlorobenzene

Concen: 56.809 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

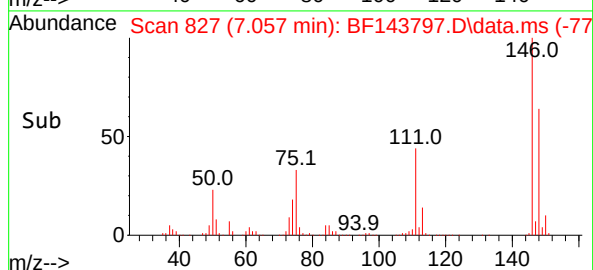
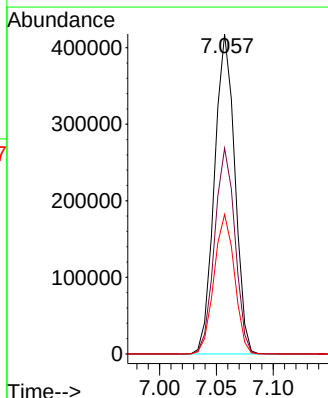
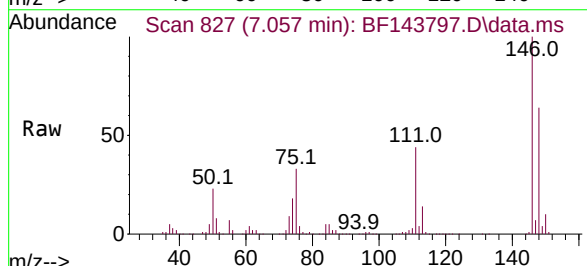
Tgt Ion:146 Resp: 520261

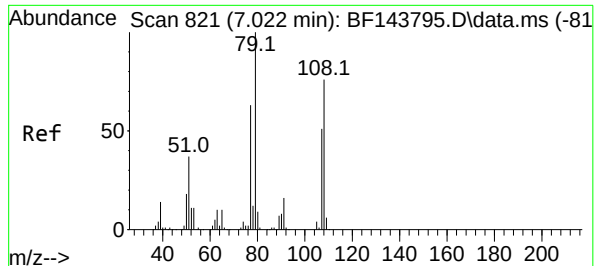
Ion Ratio Lower Upper

146 100

148 64.3 51.1 76.7

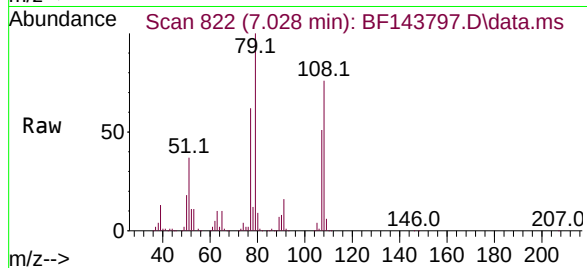
111 43.6 34.3 51.5





#15
Benzyl Alcohol
Concen: 60.843 ng
RT: 7.028 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

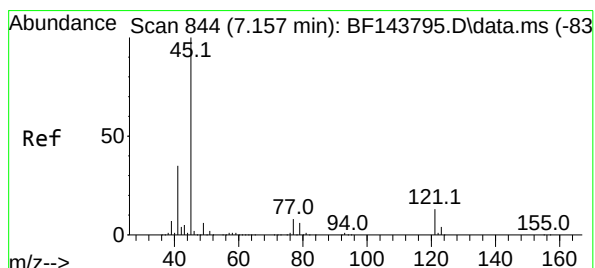
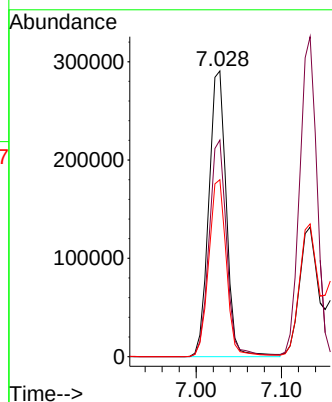
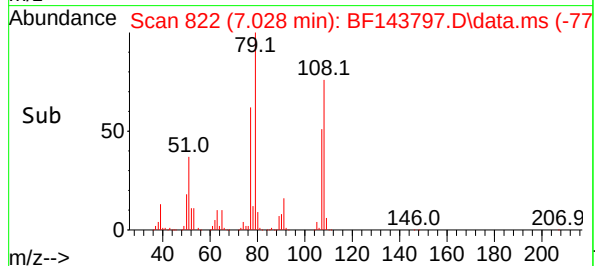
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 79 Resp: 414075
Ion Ratio Lower Upper
79 100
108 75.8 60.5 90.7
77 61.9 50.3 75.5

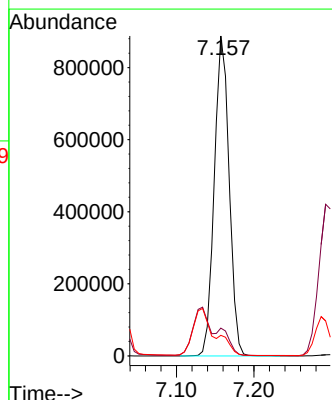
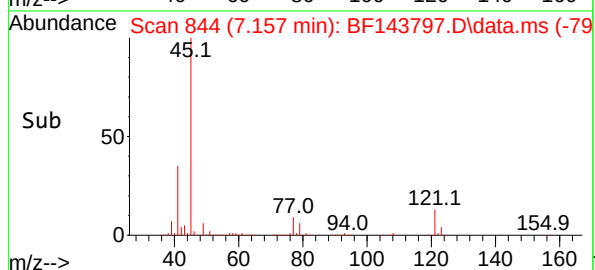
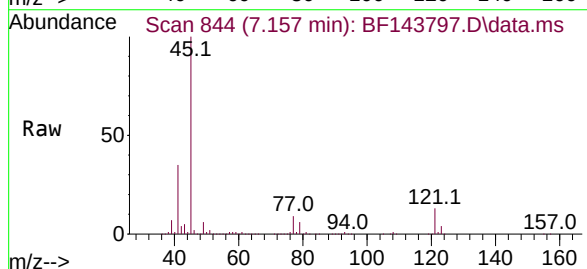
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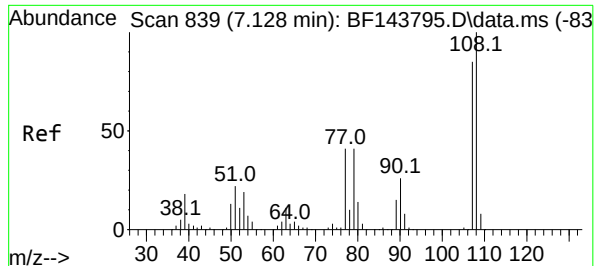
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.906 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

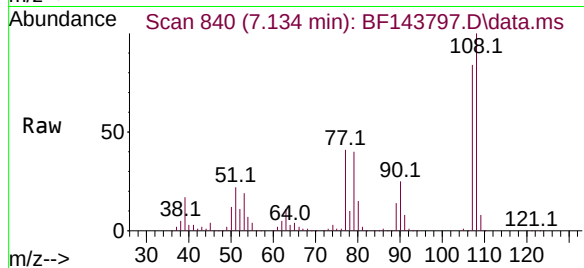
Tgt Ion: 45 Resp: 1178357
Ion Ratio Lower Upper
45 100
77 8.7 0.0 28.5
79 6.4 0.0 26.3





#17
2-Methylphenol
Concen: 58.990 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

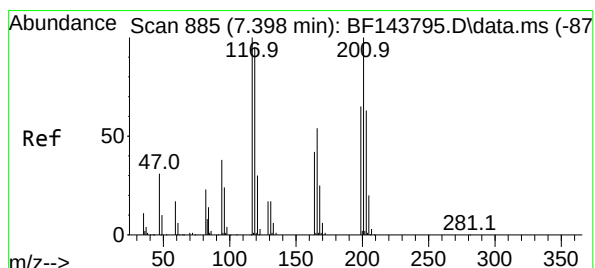
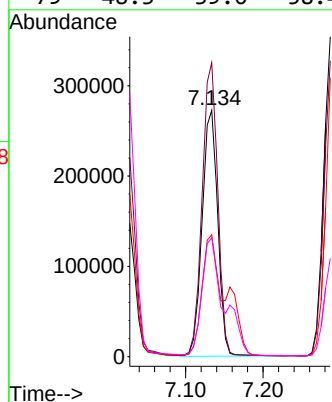
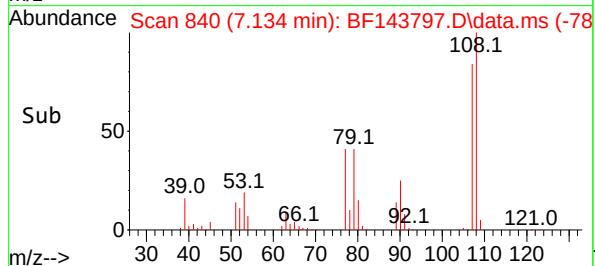
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:107 Resp: 381125
Ion Ratio Lower Upper
107 100
108 119.3 94.2 141.4
77 49.5 38.6 58.0
79 48.3 39.0 58.4

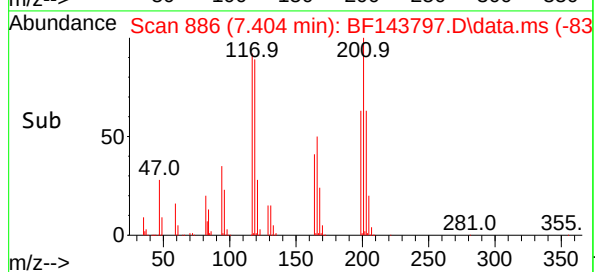
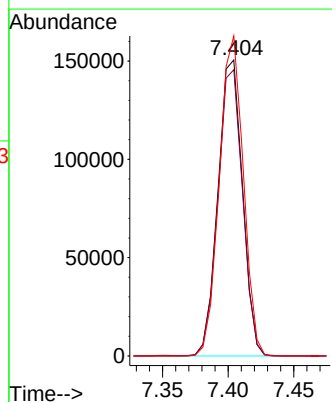
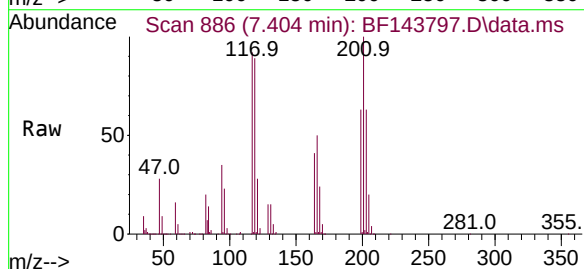
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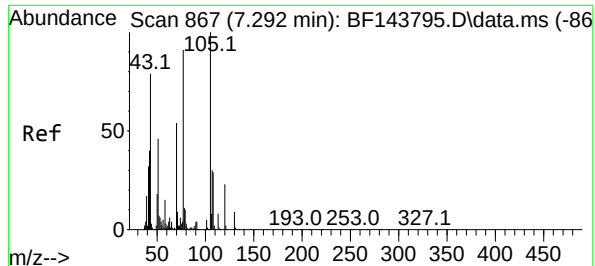
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#18
Hexachloroethane
Concen: 57.629 ng
RT: 7.404 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

Tgt Ion:117 Resp: 195969
Ion Ratio Lower Upper
117 100
119 96.7 76.2 114.2
201 108.2 79.7 119.5





#19

n-Nitroso-di-n-propylamine

Concen: 57.020 ng

RT: 7.304 min Scan# 869

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 345358

Ion Ratio Lower Upper

70 100

42 74.0 59.4 89.0

101 8.6 7.1 10.7

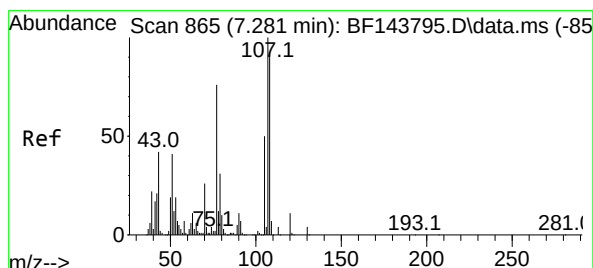
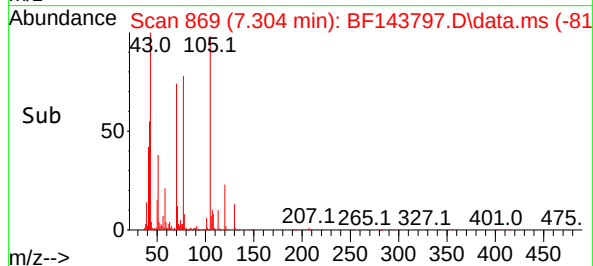
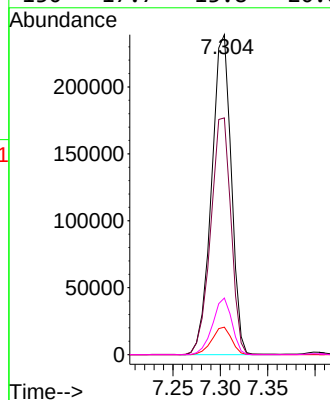
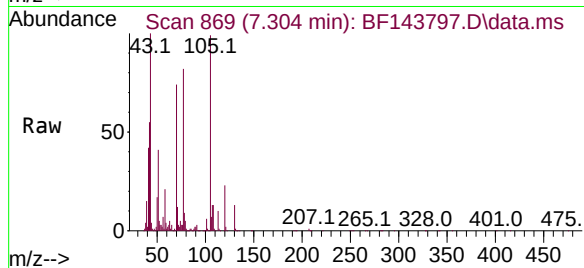
130 17.7 13.8 20.8

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#20

3+4-Methylphenols

Concen: 57.806 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Tgt Ion:107 Resp: 454811

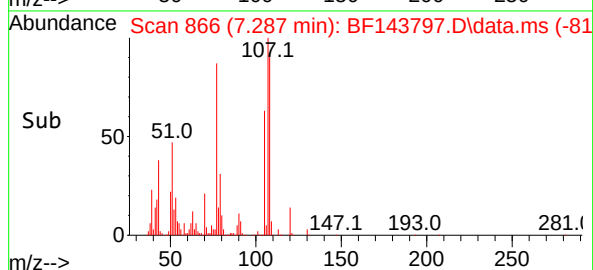
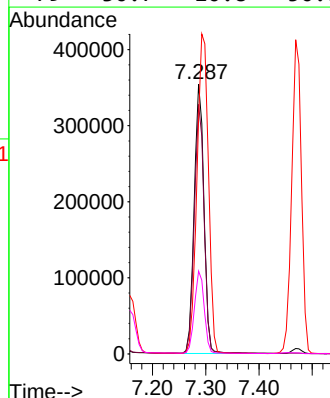
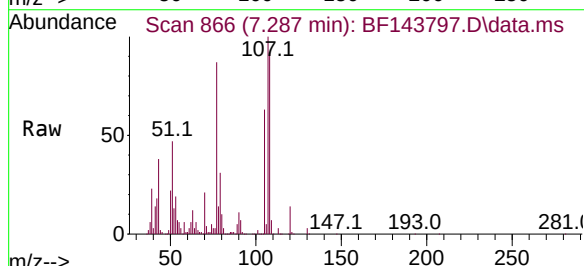
Ion Ratio Lower Upper

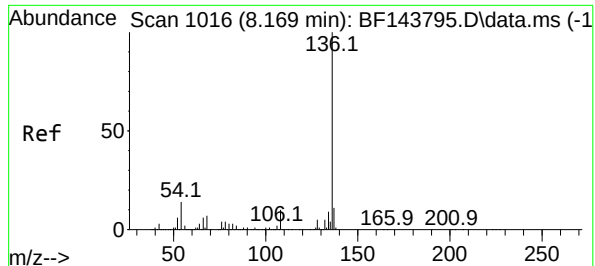
107 100

108 92.5 72.5 112.5

77 87.2 56.2 96.2

79 30.7 10.8 50.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF143797.D

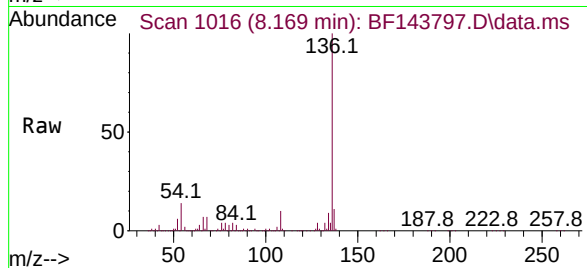
Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:136 Resp: 482940

Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 14.4 11.2 16.8

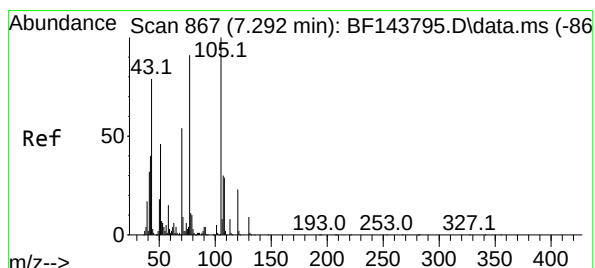
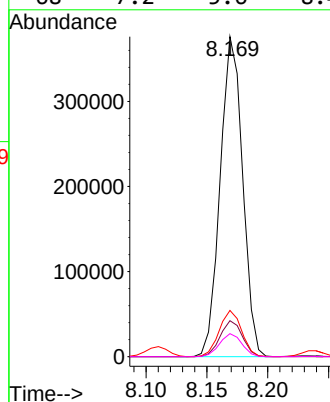
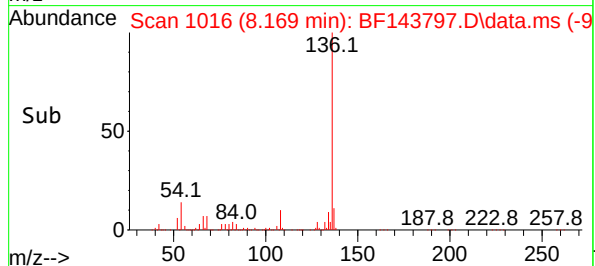
68 7.2 5.6 8.4

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#22

Acetophenone

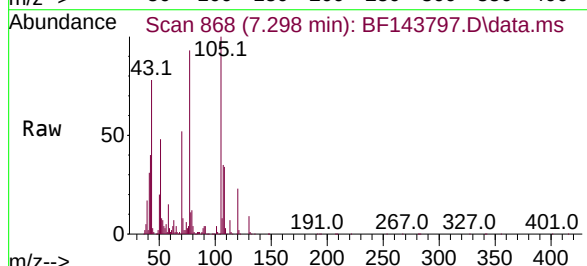
Concen: 55.128 ng

RT: 7.298 min Scan# 868

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58



Tgt Ion:105 Resp: 584748

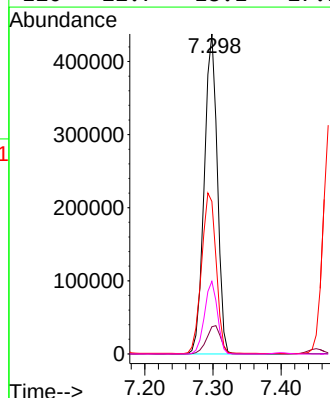
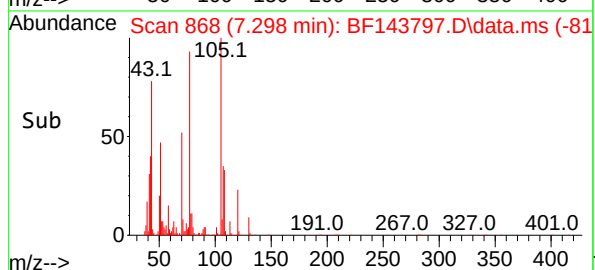
Ion Ratio Lower Upper

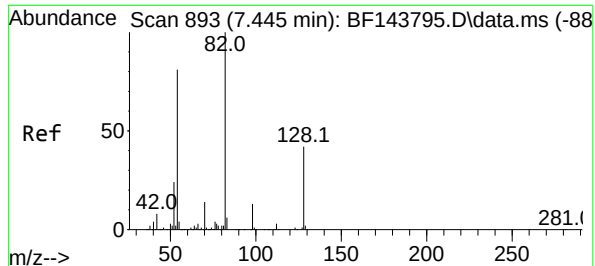
105 100

71 8.5 7.0 10.4

51 47.6 36.6 55.0

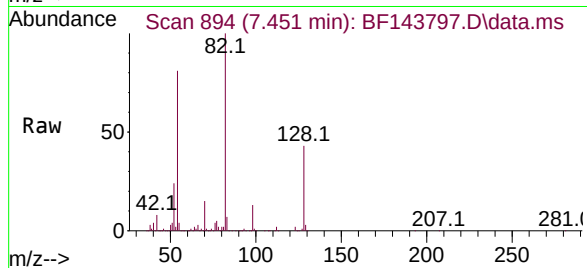
120 22.7 18.1 27.1





#23
Nitrobenzene-d5
Concen: 124.628 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

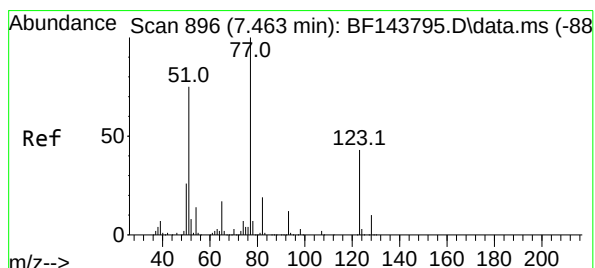
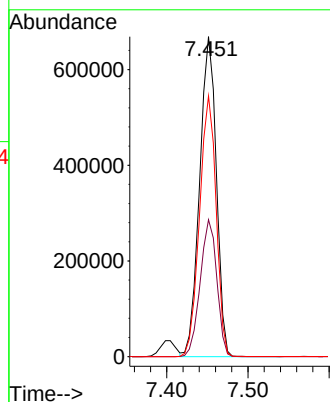
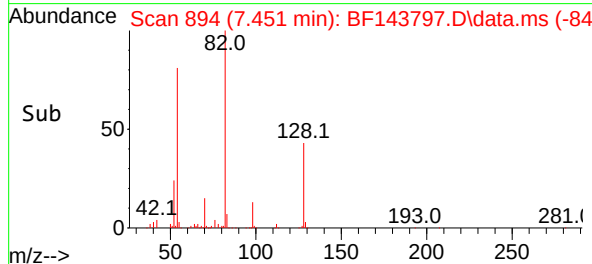
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



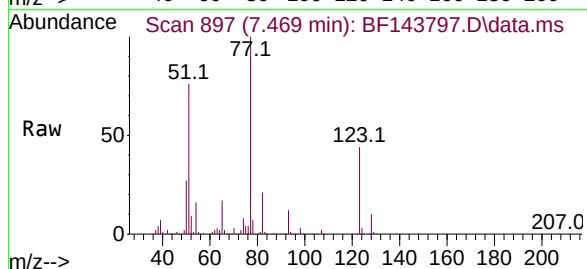
Tgt Ion: 82 Resp: 956391
Ion Ratio Lower Upper
82 100
128 42.8 33.3 49.9
54 81.4 64.2 96.4

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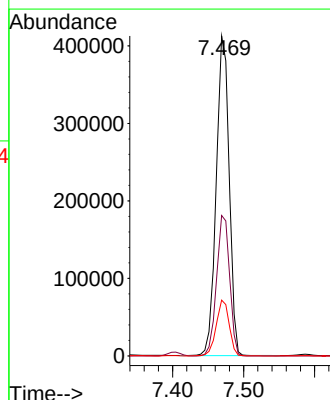
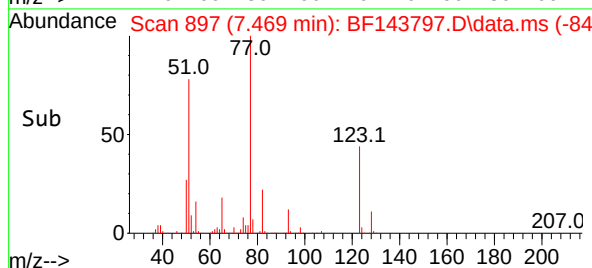
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

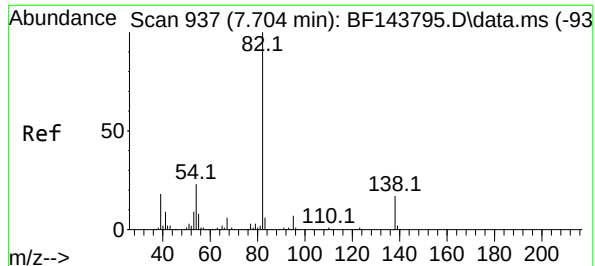


#24
Nitrobenzene
Concen: 59.844 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58



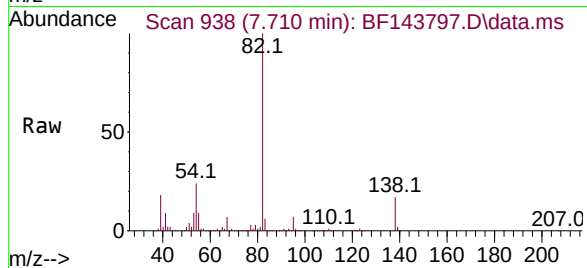
Tgt Ion: 77 Resp: 523344
Ion Ratio Lower Upper
77 100
123 43.9 34.0 51.0
65 17.4 13.5 20.3





#25
Isophorone
Concen: 59.707 ng
RT: 7.710 min Scan# 937
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

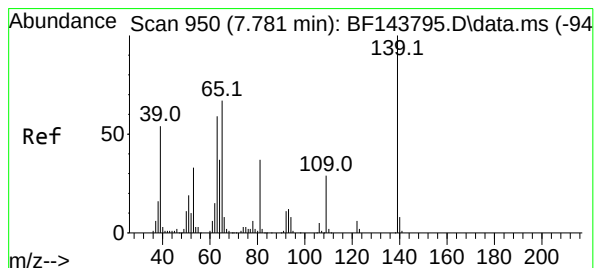
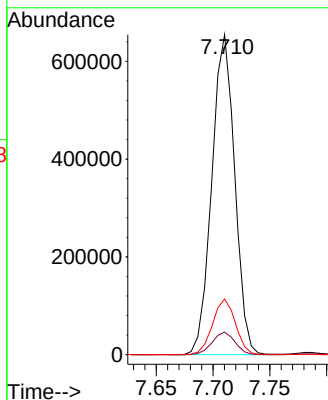
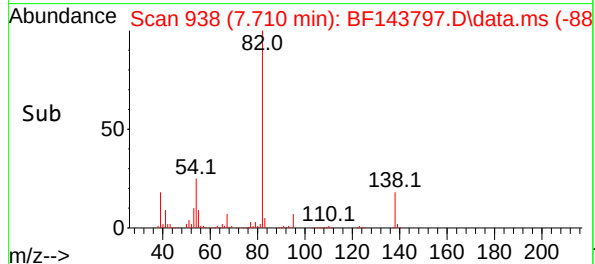
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



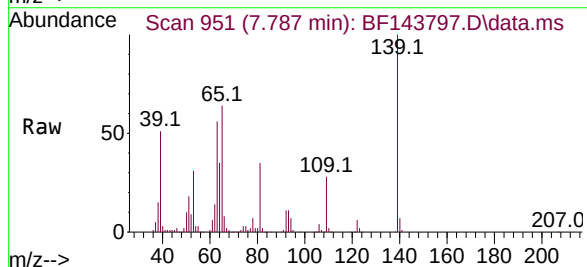
Tgt Ion: 82 Resp: 917958
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.2
138 17.4 13.7 20.5

Manual Integrations
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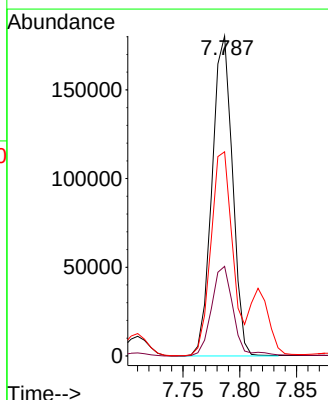
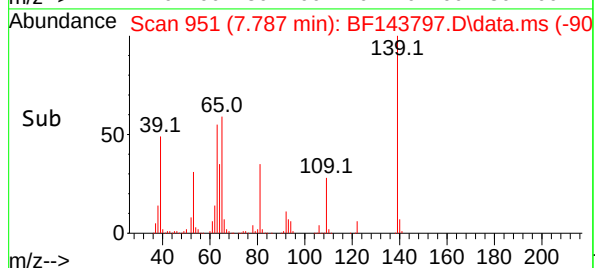
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

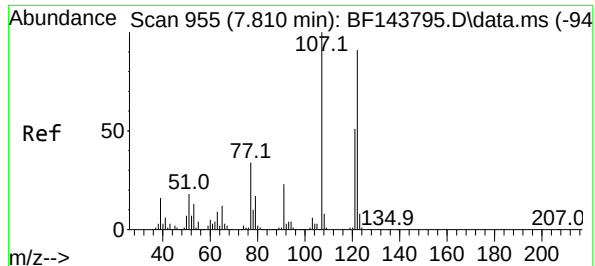


#26
2-Nitrophenol
Concen: 62.050 ng
RT: 7.787 min Scan# 951
Delta R.T. 0.001 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58



Tgt Ion:139 Resp: 225802
Ion Ratio Lower Upper
139 100
109 28.0 23.3 34.9
65 63.8 53.8 80.6





#27

2,4-Dimethylphenol

Concen: 60.209 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143797.D

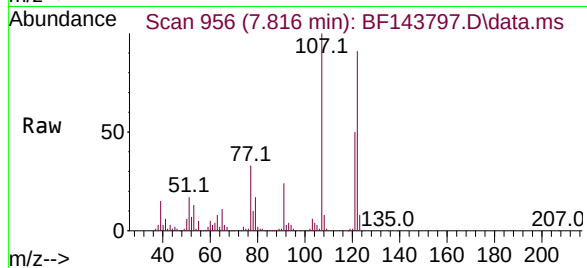
Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



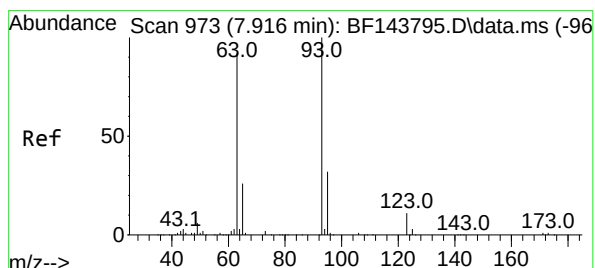
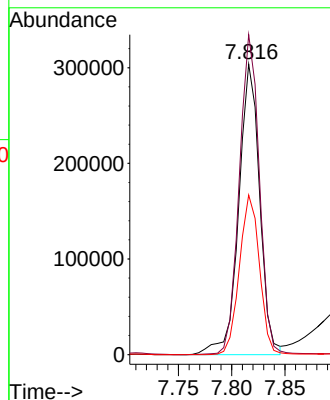
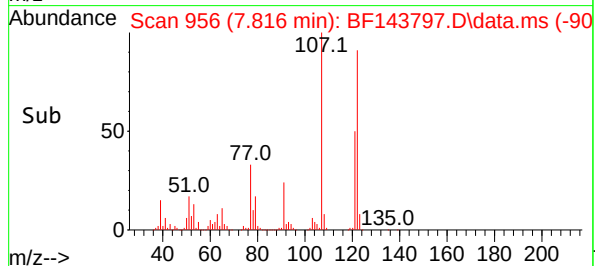
Tgt Ion:	122	Resp:	413744
Ion	Ratio	Lower	Upper
122	100		
107	110.2	87.5	131.3
121	55.0	44.2	66.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#28

bis(2-Chloroethoxy)methane

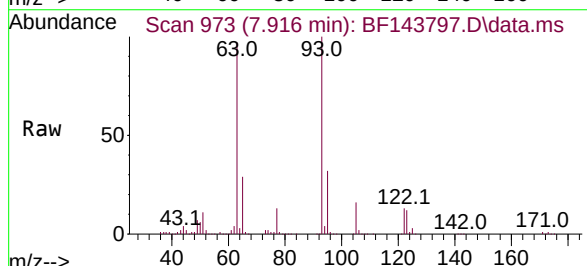
Concen: 56.813 ng

RT: 7.916 min Scan# 973

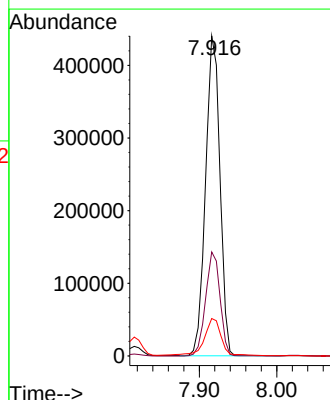
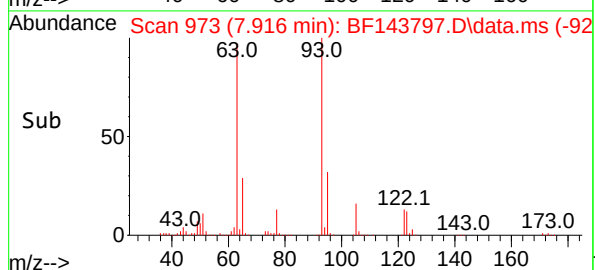
Delta R.T. 0.000 min

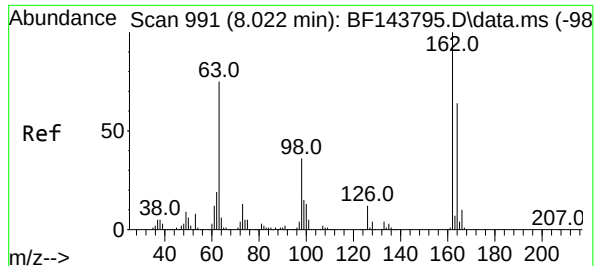
Lab File: BF143797.D

Acq: 23 Sep 2025 14:58



Tgt Ion:	93	Resp:	567489
Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.7	8.8	13.2





#29

2,4-Dichlorophenol

Concen: 59.550 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

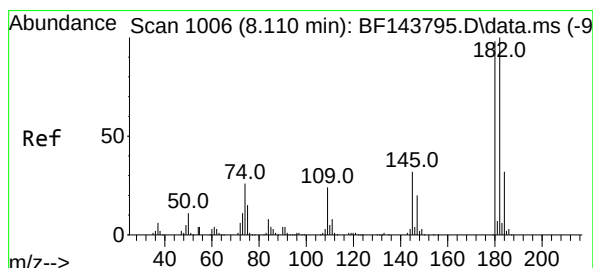
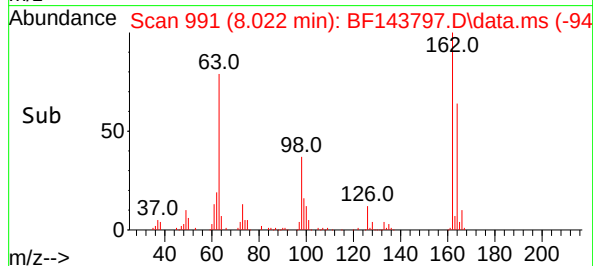
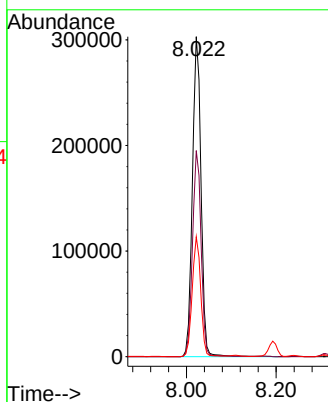
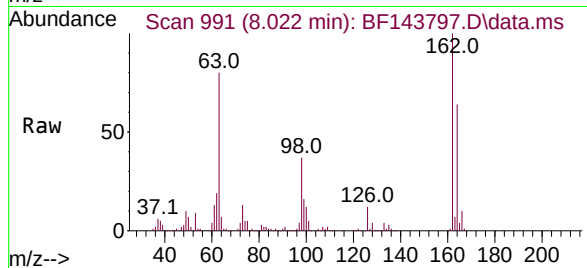
SSTDICC060

Tgt Ion:	162	Resp:	402655
Ion Ratio	Lower	Upper	
162	100		
164	64.4	44.1	84.1
98	37.4	15.8	55.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#30

1,2,4-Trichlorobenzene

Concen: 57.579 ng

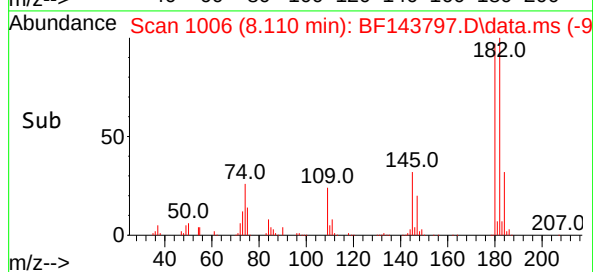
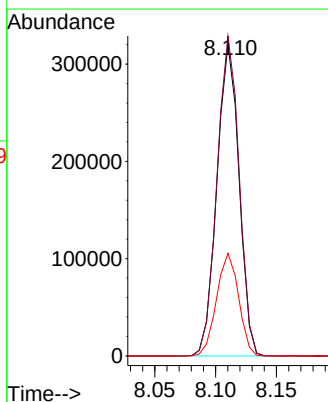
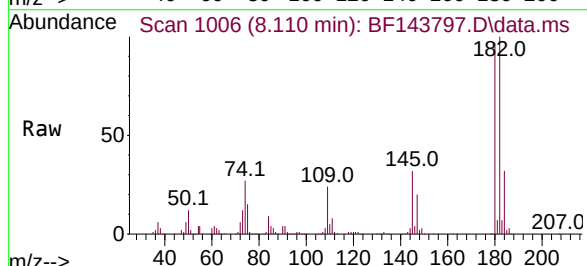
RT: 8.110 min Scan# 1006

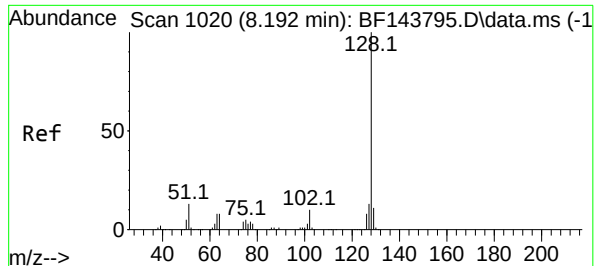
Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

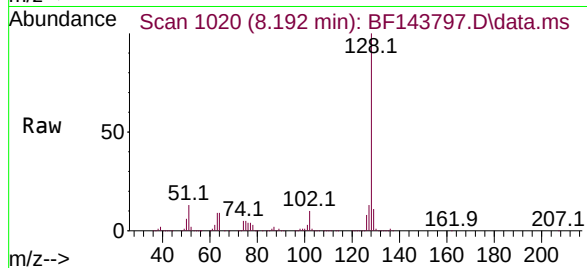
Tgt Ion:	180	Resp:	404040
Ion Ratio	Lower	Upper	
180	100		
182	102.7	82.0	123.0
145	33.0	25.9	38.9





#31
Naphthalene
Concen: 55.678 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

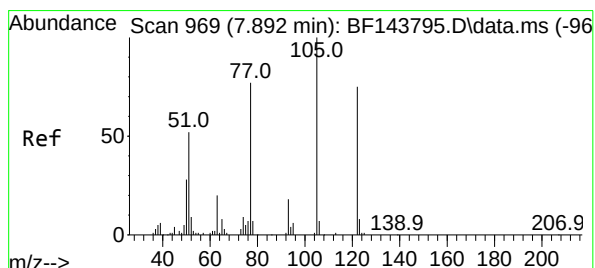
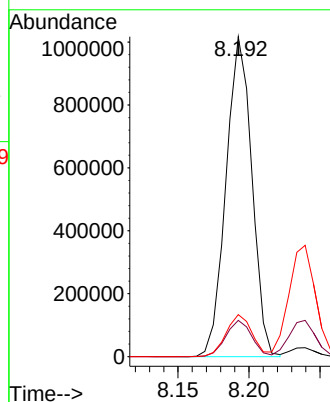
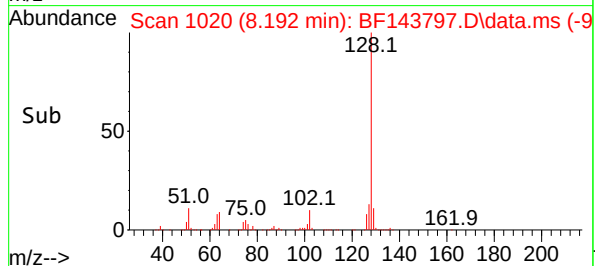
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:128 Resp: 1287223
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.1 10.2 15.4

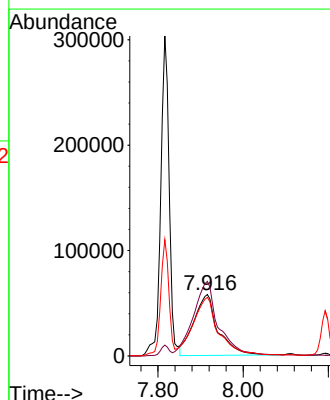
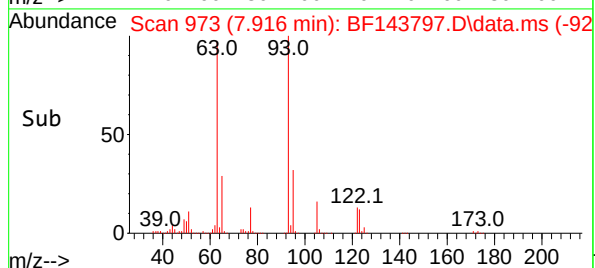
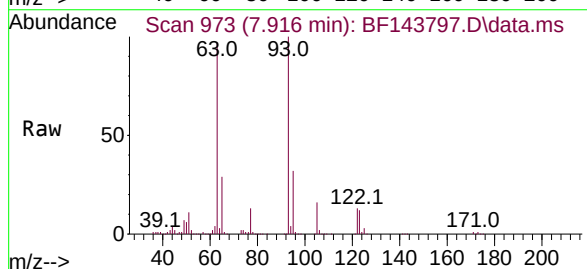
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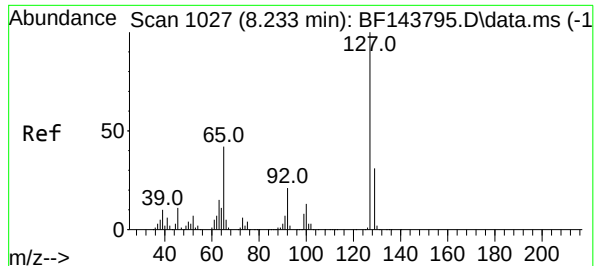
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#32
Benzoic acid
Concen: 69.608 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

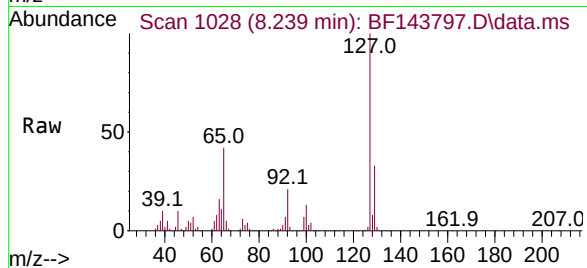
Tgt Ion:122 Resp: 230784
Ion Ratio Lower Upper
122 100
105 121.3 103.7 143.7
77 95.3 78.8 118.8





#33
4-Chloroaniline
Concen: 57.512 ng
RT: 8.239 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

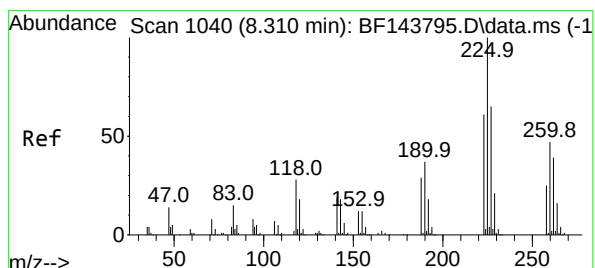
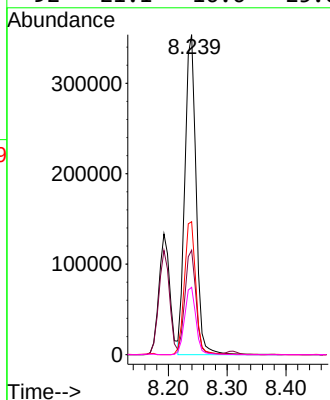
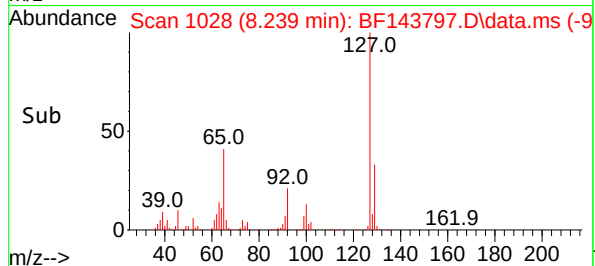
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:127 Resp: 467252
Ion Ratio Lower Upper
127 100
129 32.6 25.4 38.2
65 41.5 33.4 50.2
92 21.1 16.6 25.0

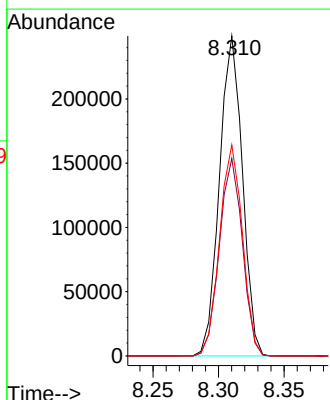
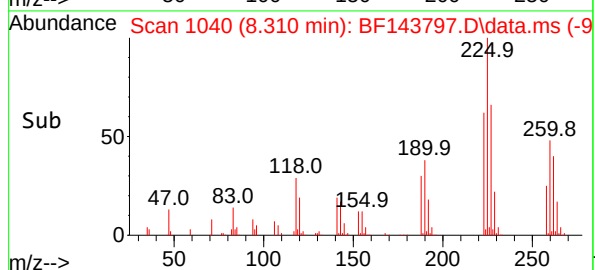
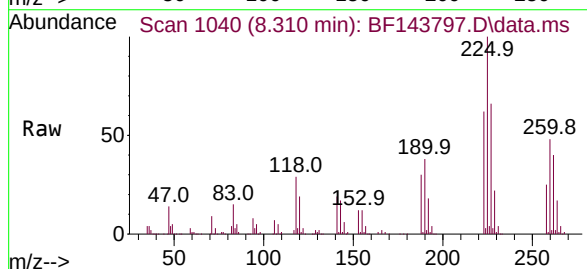
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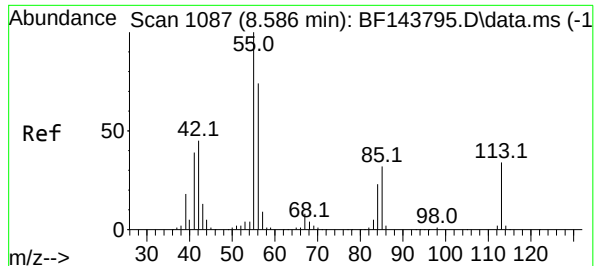
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#34
Hexachlorobutadiene
Concen: 58.093 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

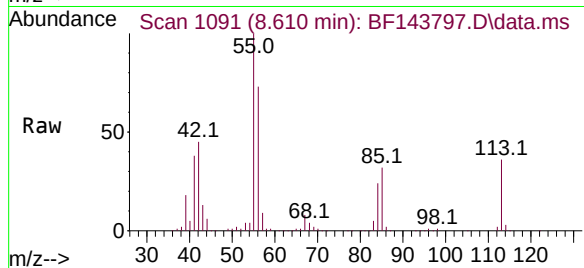
Tgt Ion:225 Resp: 303886
Ion Ratio Lower Upper
225 100
223 61.7 48.6 72.8
227 65.9 51.9 77.9





#35
Caprolactam
Concen: 63.887 ng
RT: 8.610 min Scan# 1091
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

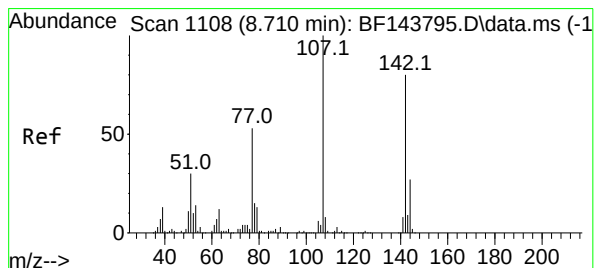
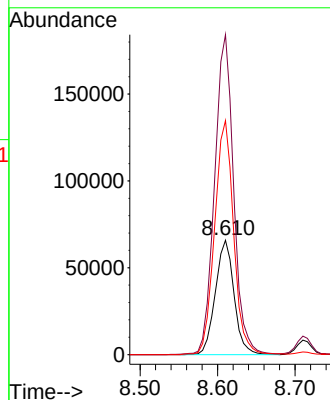
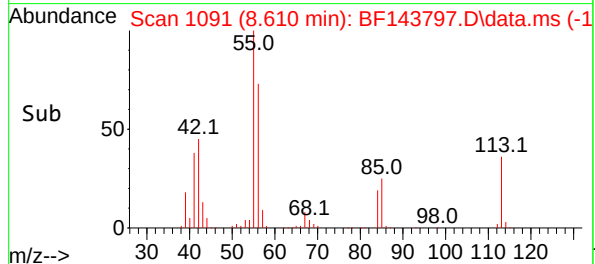
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:113 Resp: 110413
Ion Ratio Lower Upper
113 100
55 279.9 271.7 311.7
56 204.7 194.5 234.5

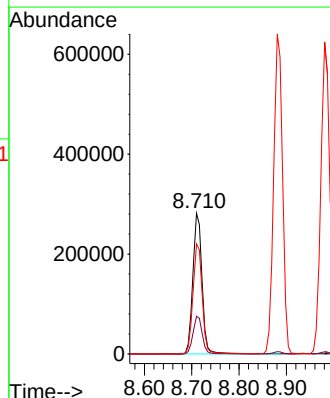
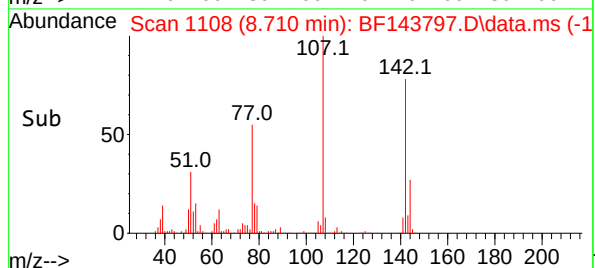
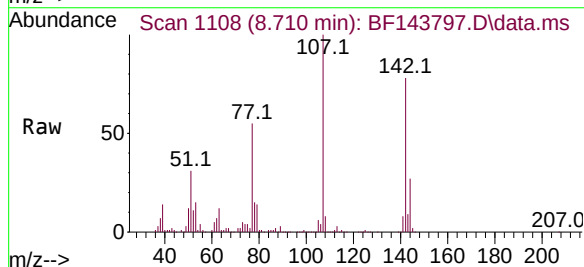
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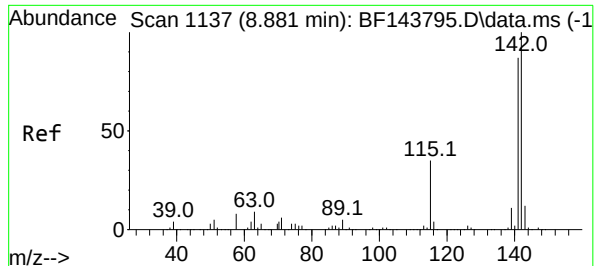
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#36
4-Chloro-3-methylphenol
Concen: 59.859 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

Tgt Ion:107 Resp: 379597
Ion Ratio Lower Upper
107 100
144 26.7 21.8 32.8
142 78.1 63.6 95.4





#37

2-Methylnaphthalene

Concen: 56.174 ng

RT: 8.881 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:142 Resp: 828108

Ion Ratio Lower Upper

142 100

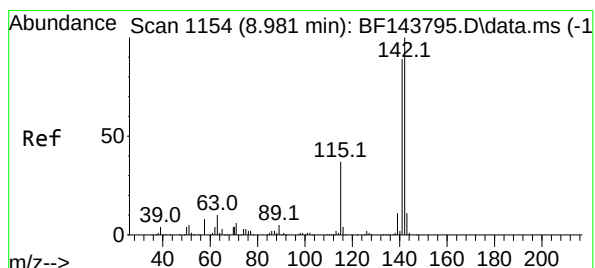
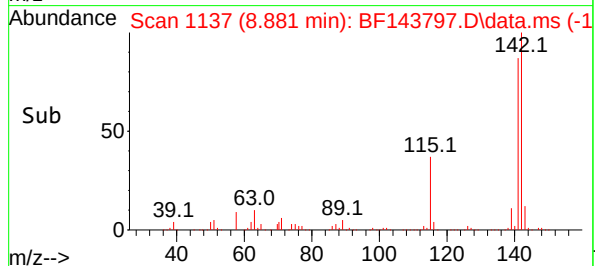
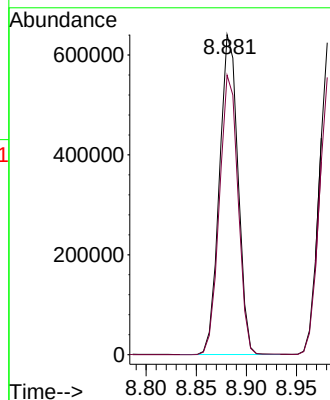
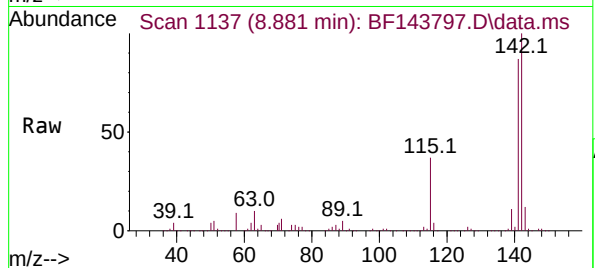
141 87.3 69.4 104.0

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#38

1-Methylnaphthalene

Concen: 56.428 ng

RT: 8.981 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF143797.D

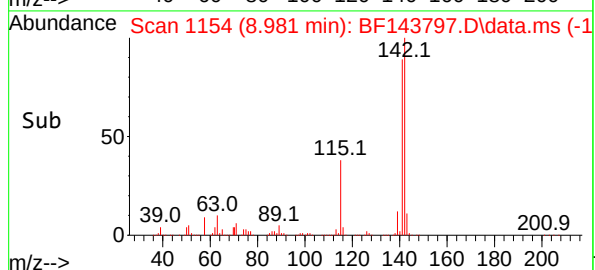
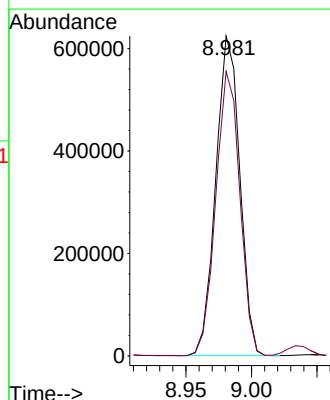
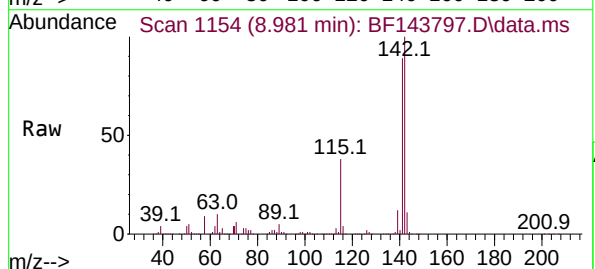
Acq: 23 Sep 2025 14:58

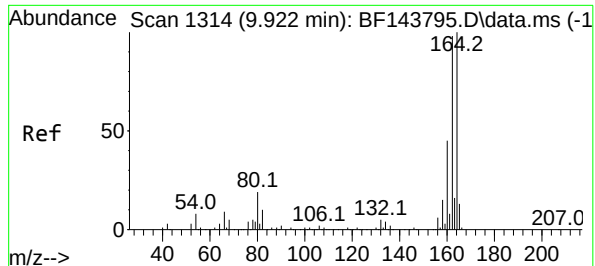
Tgt Ion:142 Resp: 796215

Ion Ratio Lower Upper

142 100

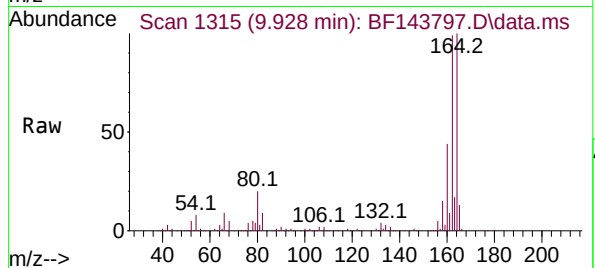
141 88.9 71.1 106.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1314
Delta R.T. -0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

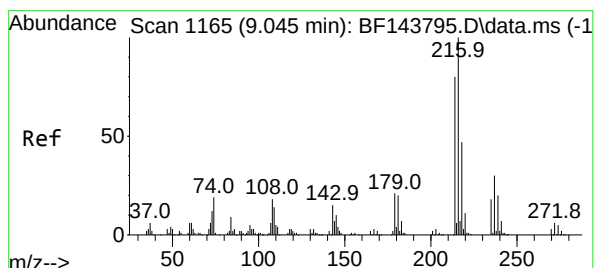
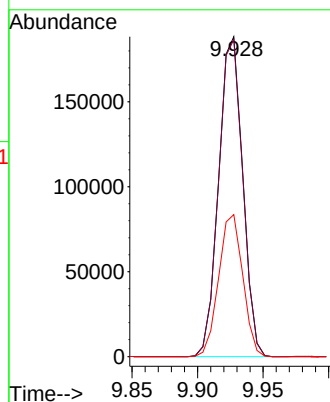
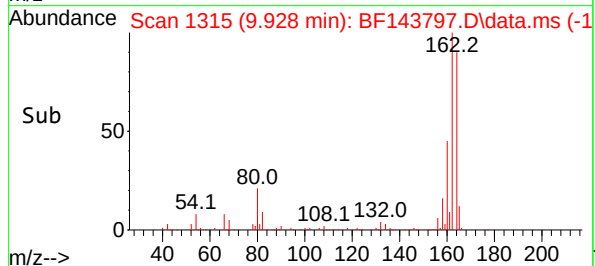
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:164 Resp: 240564
Ion Ratio Lower Upper
164 100
162 99.1 78.8 118.2
160 44.4 35.8 53.6

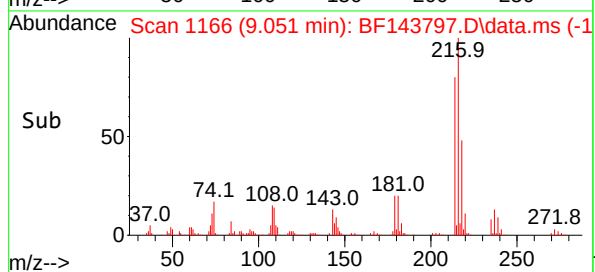
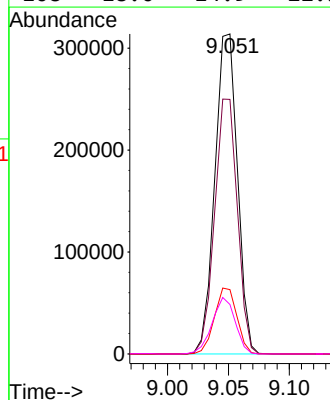
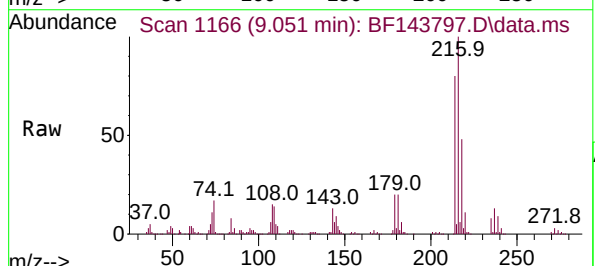
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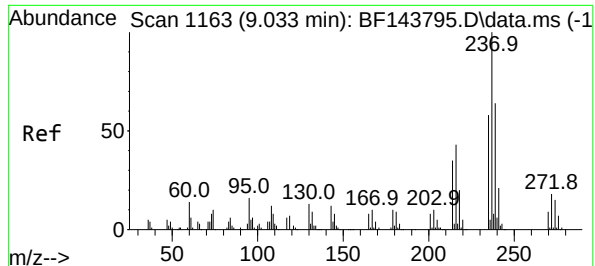
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.860 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

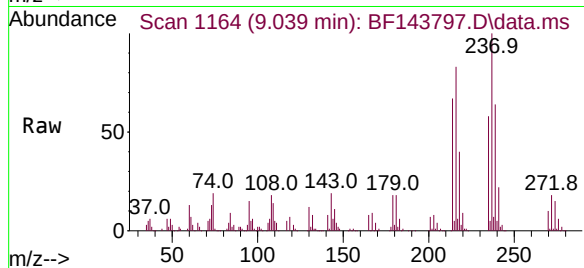
Tgt Ion:216 Resp: 405534
Ion Ratio Lower Upper
216 100
214 80.0 63.7 95.5
179 20.4 16.5 24.7
108 18.0 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 62.918 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

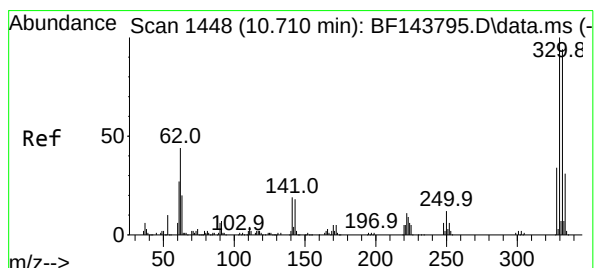
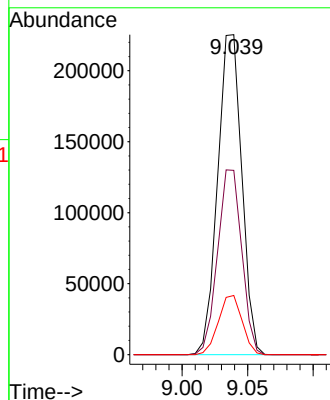
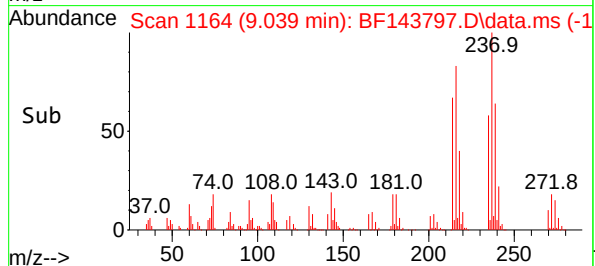
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 237 Resp: 289489
Ion Ratio Lower Upper
237 100
235 57.6 38.1 78.1
272 18.5 0.0 37.9

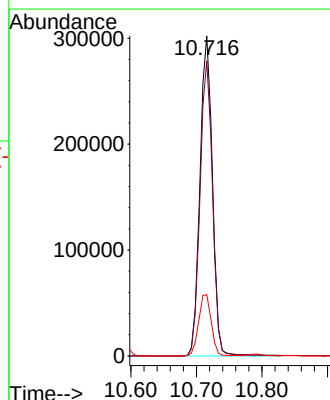
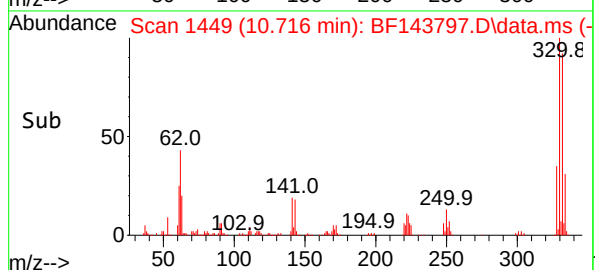
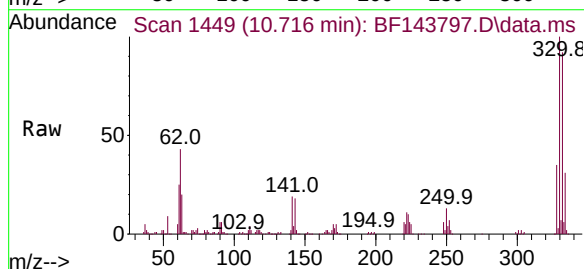
Manual Integrations
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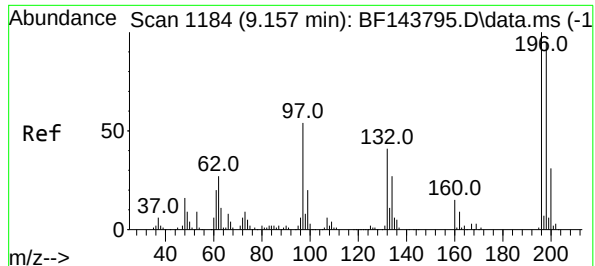
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#42
2,4,6-Tribromophenol
Concen: 115.480 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

Tgt Ion: 330 Resp: 396463
Ion Ratio Lower Upper
330 100
332 92.7 74.7 112.1
141 19.5 14.3 21.5





#43

2,4,6-Trichlorophenol

Concen: 62.219 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF143797.D

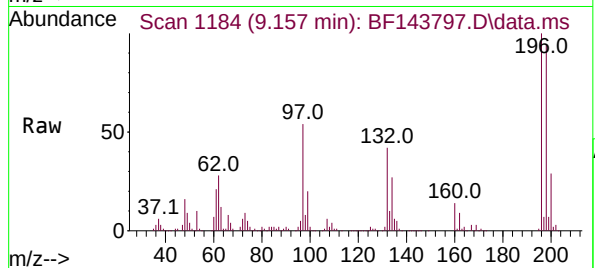
Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 282839

Ion Ratio Lower Upper

196 100

198 94.3 76.2 114.2

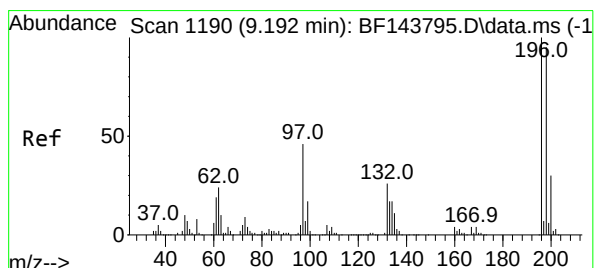
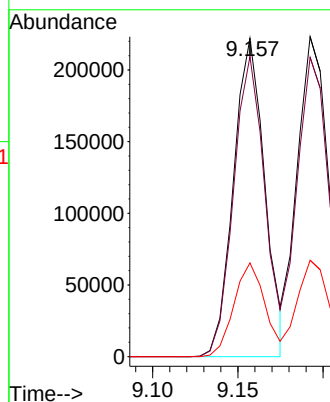
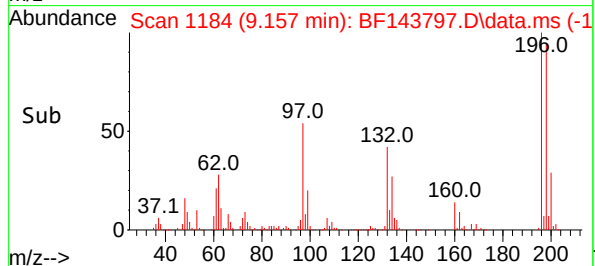
200 29.4 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#44

2,4,5-Trichlorophenol

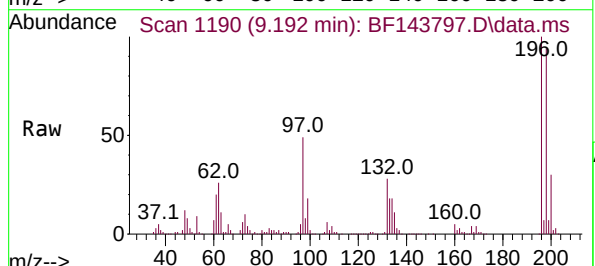
Concen: 60.982 ng

RT: 9.192 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58



Tgt Ion:196 Resp: 289963

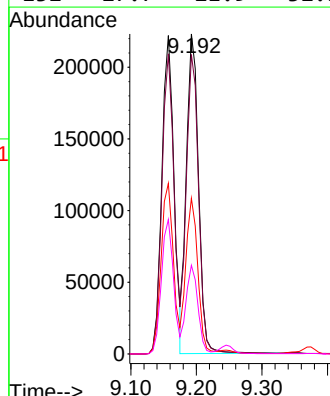
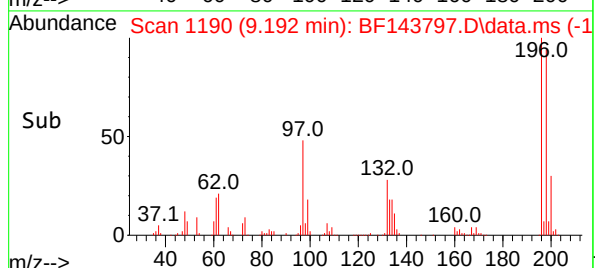
Ion Ratio Lower Upper

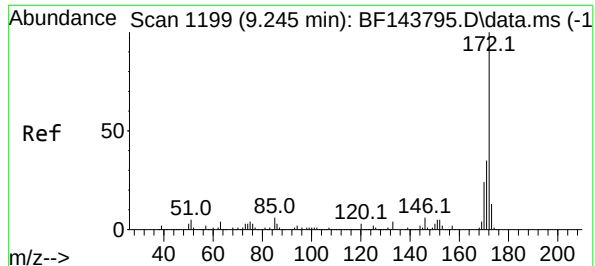
196 100

198 93.6 75.9 113.9

97 48.6 38.3 57.5

132 27.7 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 102.249 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:172 Resp: 166450

Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

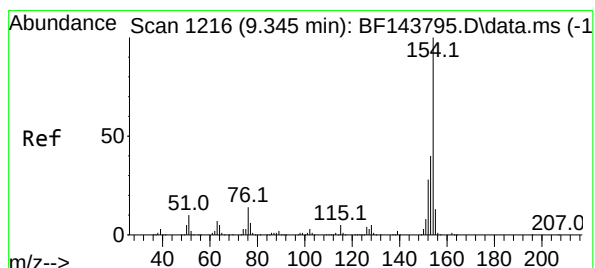
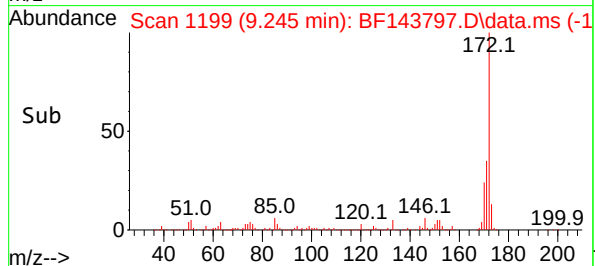
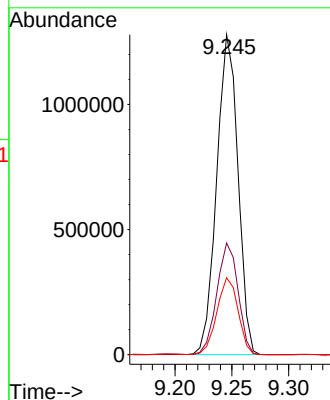
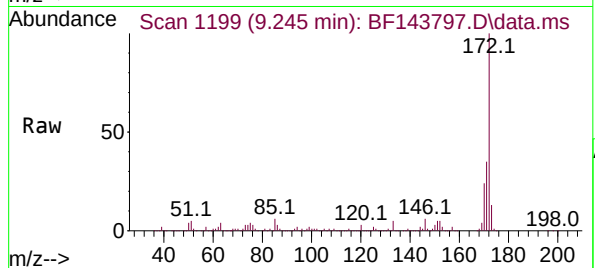
170 24.0 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#46

1,1'-Biphenyl

Concen: 54.963 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

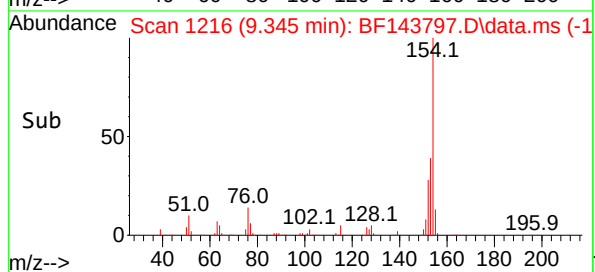
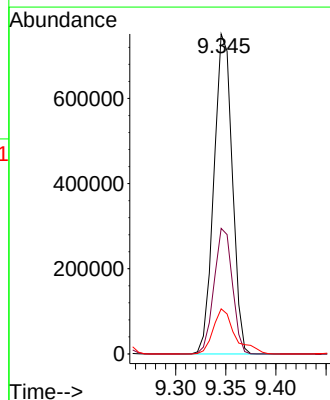
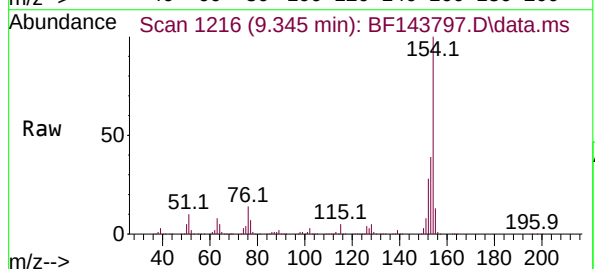
Tgt Ion:154 Resp: 957109

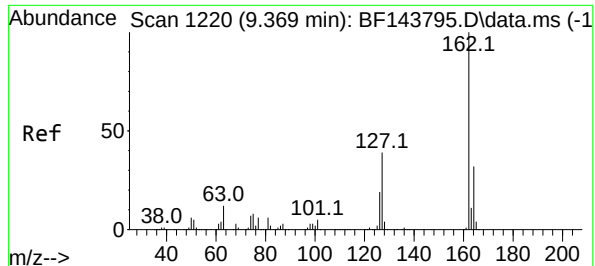
Ion Ratio Lower Upper

154 100

153 39.2 19.7 59.7

76 14.1 0.0 33.8





#47

2-Chloronaphthalene

Concen: 55.605 ng

RT: 9.375 min Scan# 1221

Delta R.T. 0.000 min

Lab File: BF143797.D

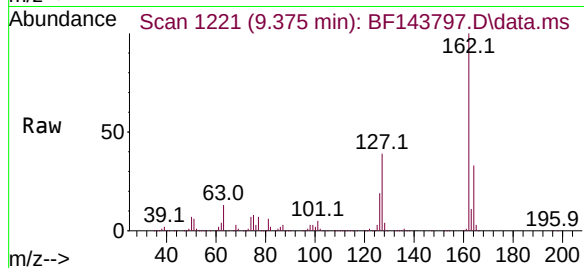
Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:162 Resp: 779426

Ion Ratio Lower Upper

162 100

127 39.0 31.5 47.3

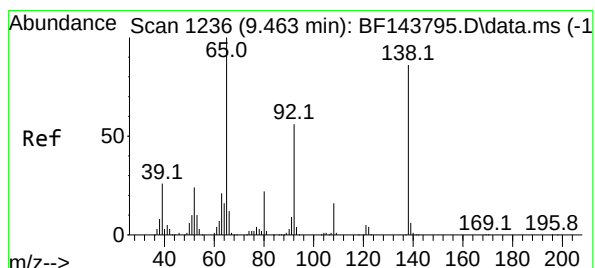
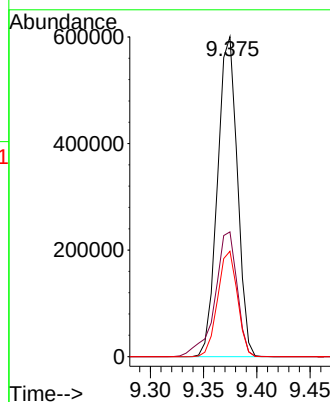
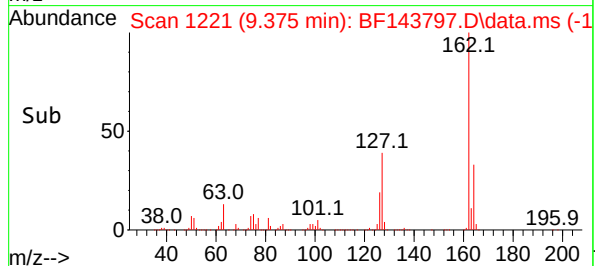
164 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#48

2-Nitroaniline

Concen: 68.075 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

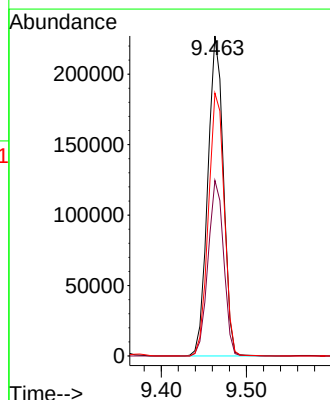
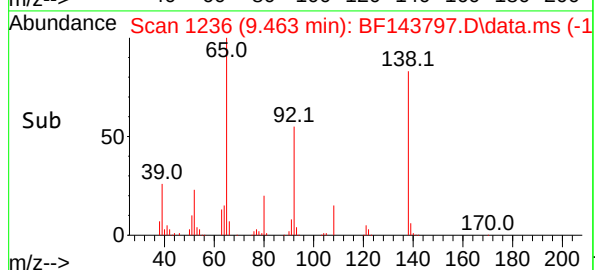
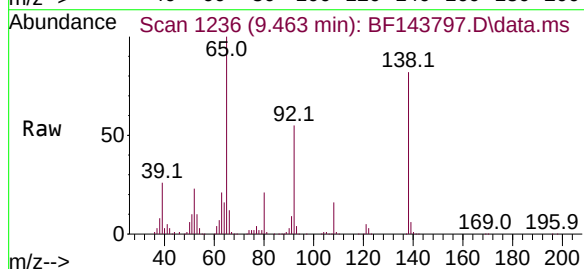
Tgt Ion: 65 Resp: 288403

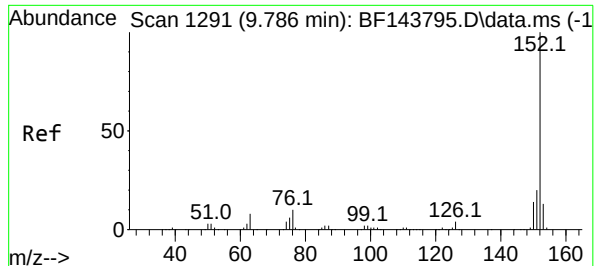
Ion Ratio Lower Upper

65 100

92 54.8 44.9 67.3

138 82.1 69.0 103.4





#49

Acenaphthylene

Concen: 56.581 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143797.D

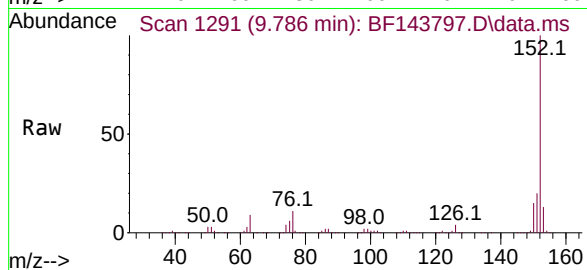
Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:152 Resp: 1091835

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

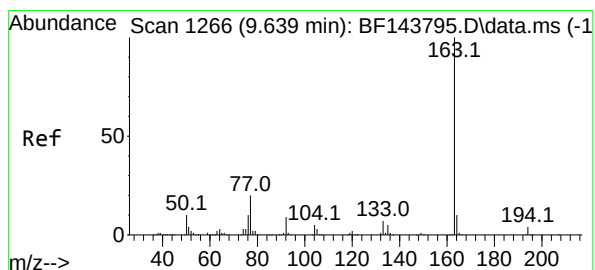
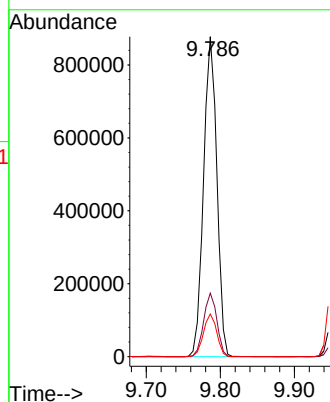
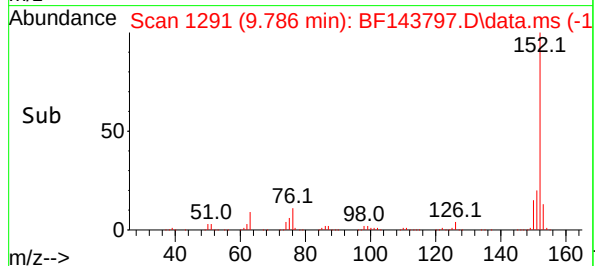
153 13.3 10.6 15.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#50

Dimethylphthalate

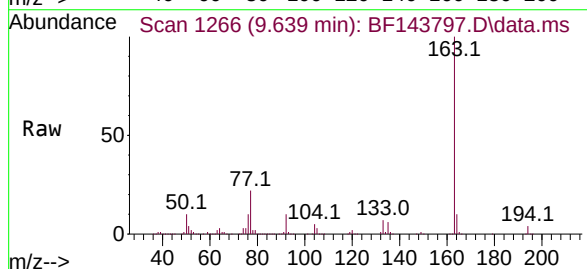
Concen: 58.627 ng

RT: 9.639 min Scan# 1266

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58



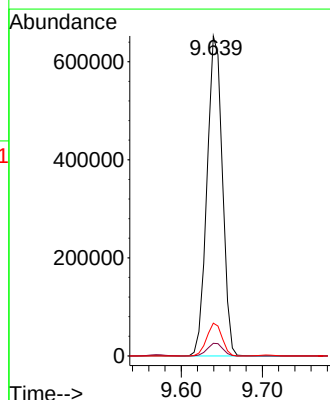
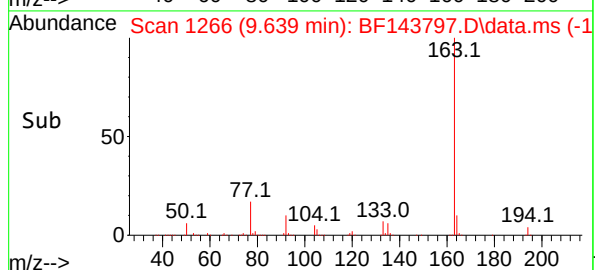
Tgt Ion:163 Resp: 859613

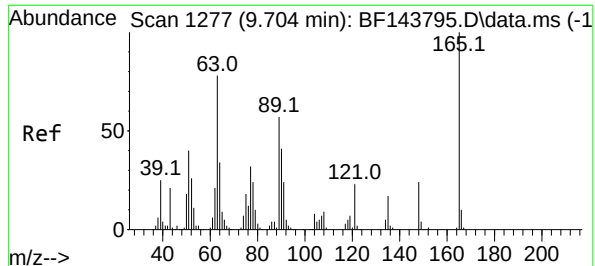
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

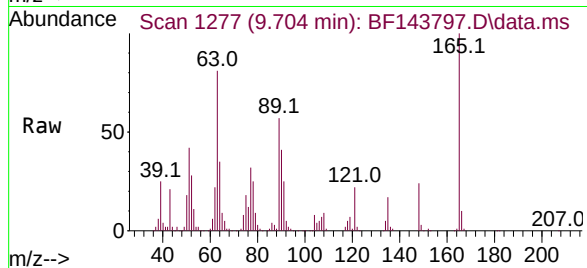
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 69.313 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

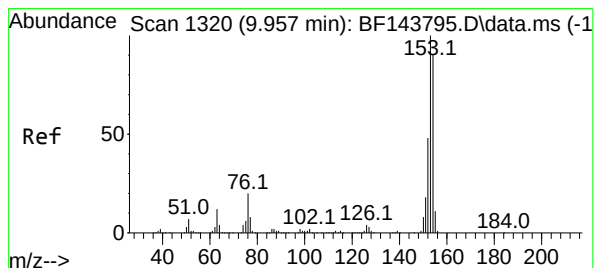
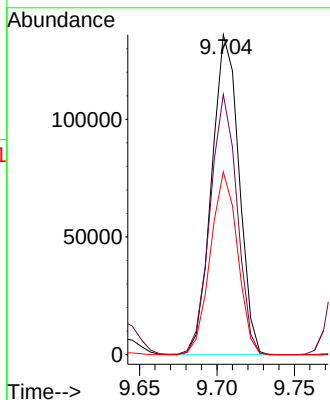
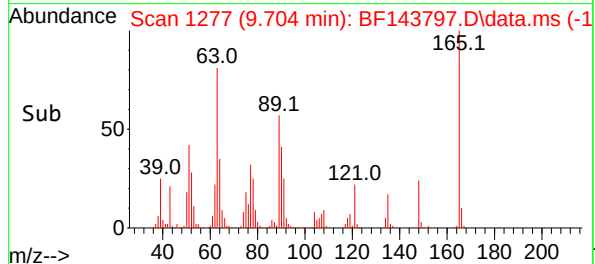
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 166972
Ion Ratio Lower Upper
165 100
63 81.3 62.6 94.0
89 57.1 45.2 67.8

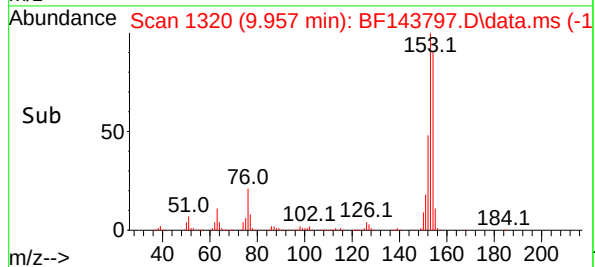
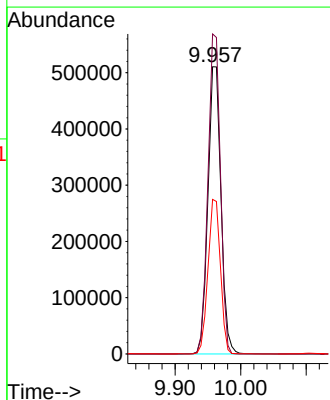
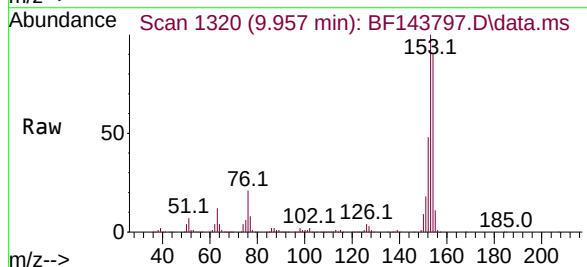
Manual Integrations
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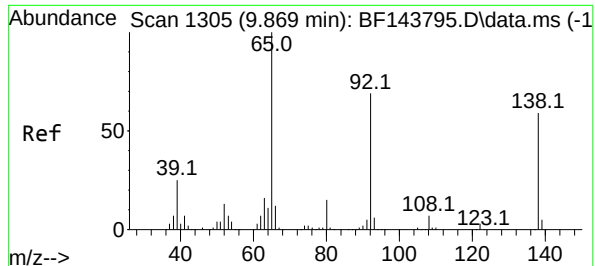
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#52
Acenaphthene
Concen: 55.494 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

Tgt Ion:154 Resp: 704698
Ion Ratio Lower Upper
154 100
153 111.5 88.7 133.1
152 53.8 42.7 64.1





#53

3-Nitroaniline

Concen: 65.960 ng

RT: 9.875 min Scan# 1306

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

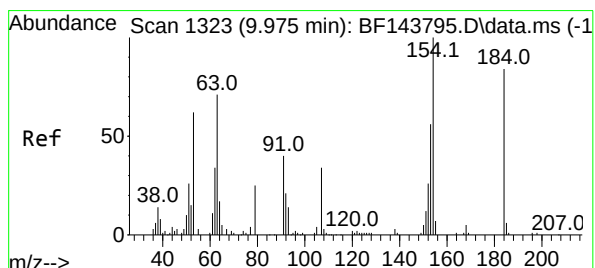
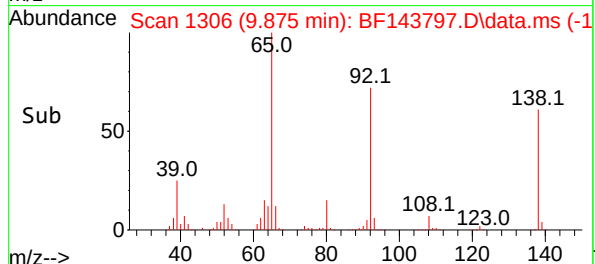
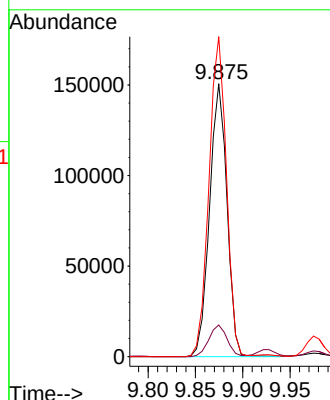
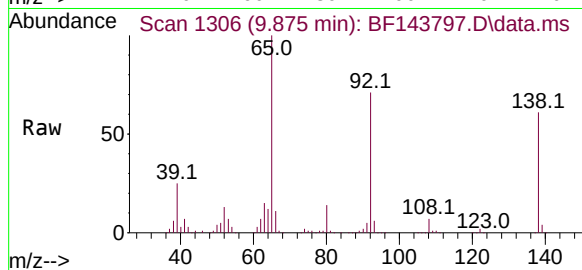
SSTDICC060

Tgt Ion:138 Resp: 192607
Ion Ratio Lower Upper
138 100
108 11.6 9.9 14.9
92 117.3 93.5 140.3

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#54

2,4-Dinitrophenol

Concen: 61.464 ng

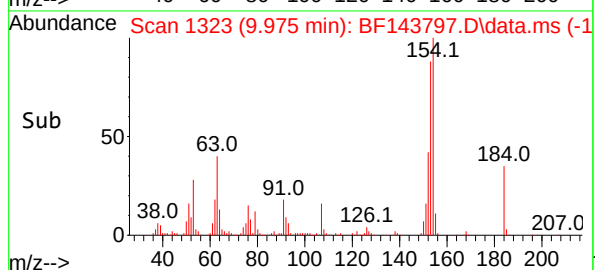
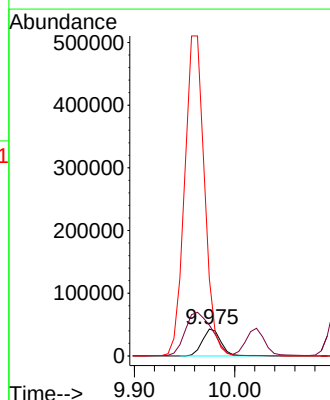
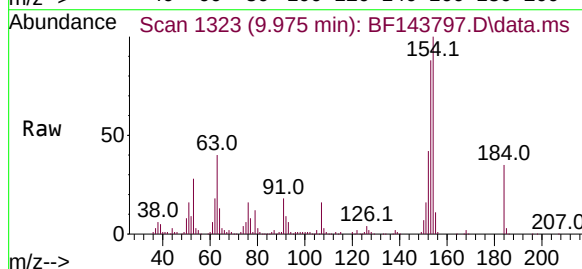
RT: 9.975 min Scan# 1323

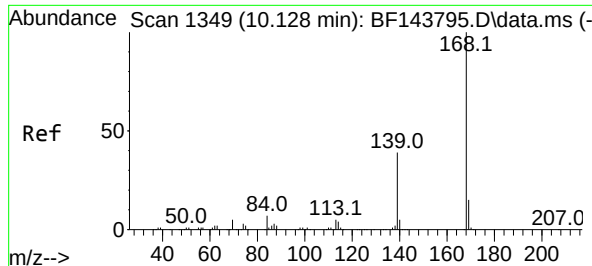
Delta R.T. -0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Tgt Ion:184 Resp: 54678
Ion Ratio Lower Upper
184 100
63 114.9 84.6 127.0
154 288.7 199.3 298.9





#55

Dibenzenofuran

Concen: 55.941 ng

RT: 10.134 min Scan# 1349

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 1004529

Ion Ratio Lower Upper

168 100

139 38.8 31.0 46.6

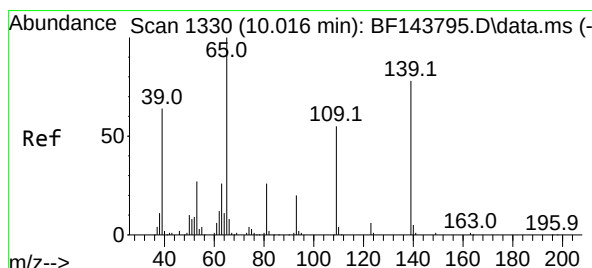
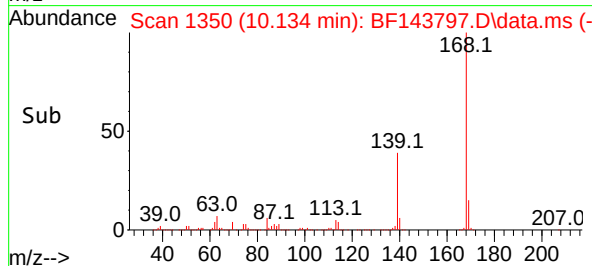
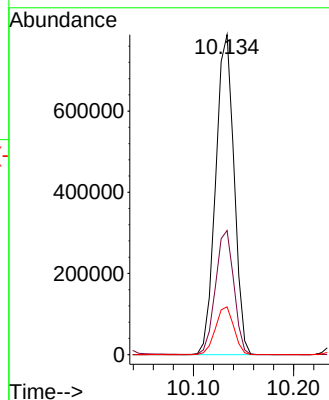
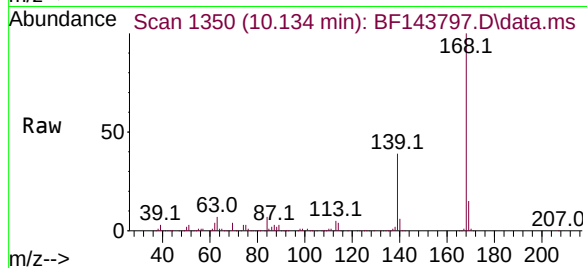
169 14.9 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#56

4-Nitrophenol

Concen: 60.557 ng

RT: 10.022 min Scan# 1331

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

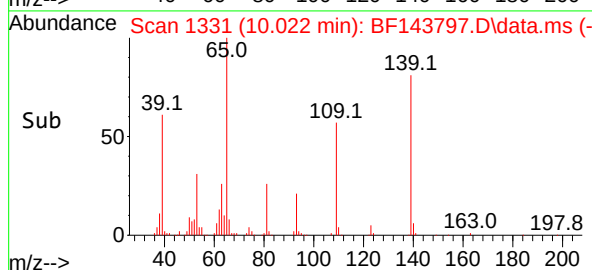
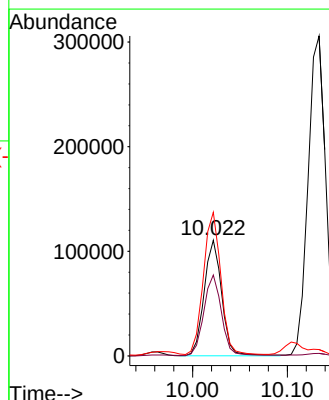
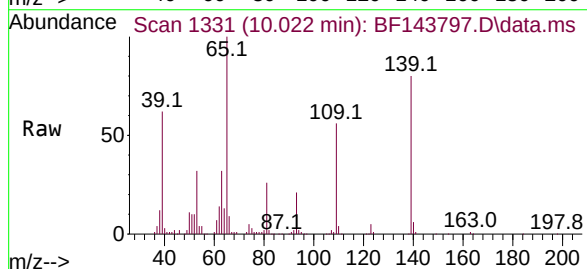
Tgt Ion:139 Resp: 142495

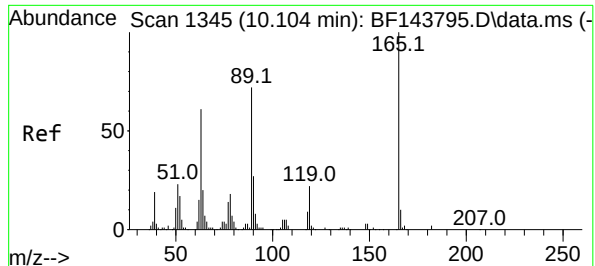
Ion Ratio Lower Upper

139 100

109 69.9 50.2 90.2

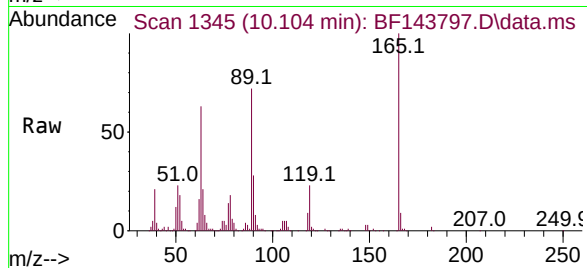
65 124.2 109.2 149.2





#57
2,4-Dinitrotoluene
Concen: 61.297 ng
RT: 10.104 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

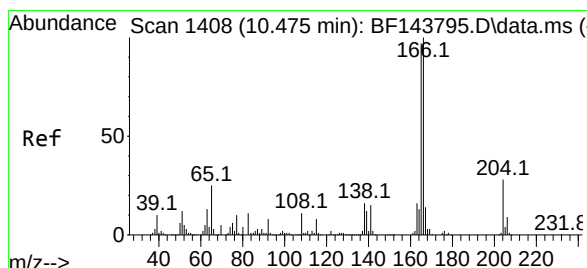
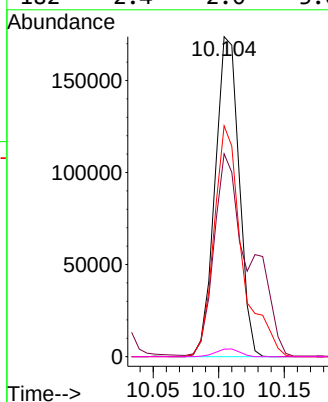
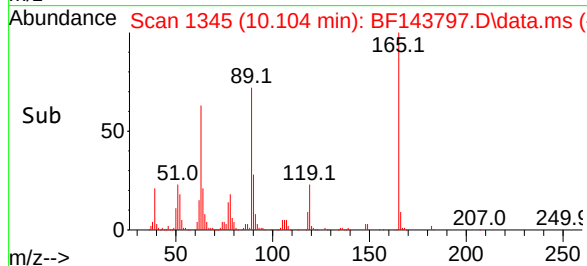
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



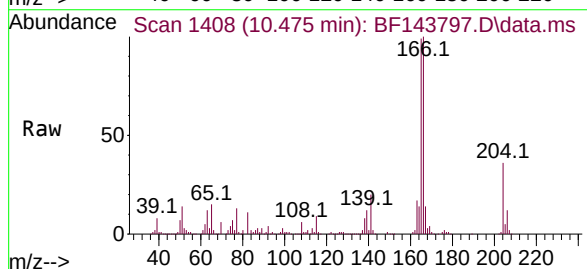
Tgt Ion:165 Resp: 222260
Ion Ratio Lower Upper
165 100
63 63.4 48.9 73.3
89 72.1 57.5 86.3
182 2.4 2.0 3.0

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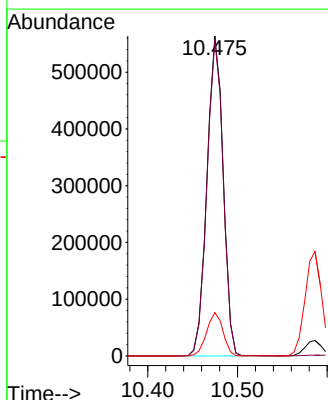
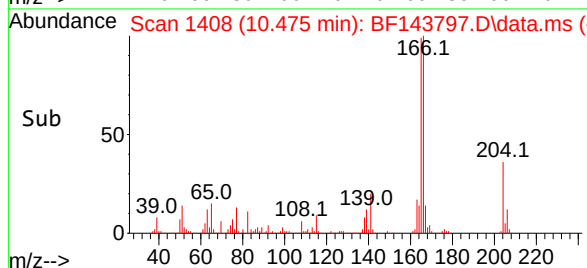
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

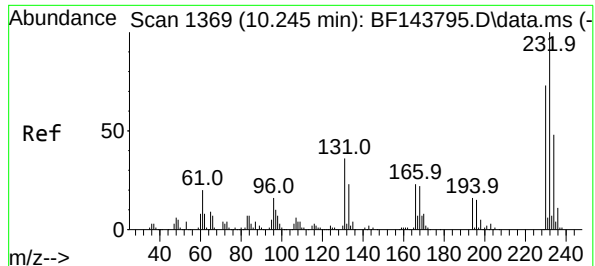


#58
Fluorene
Concen: 53.330 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58



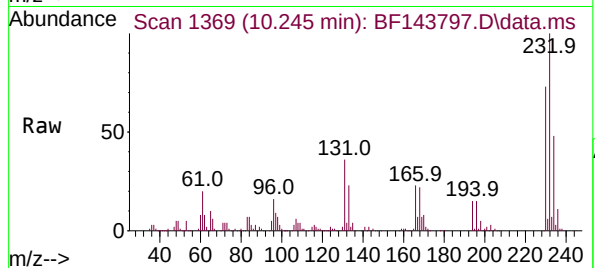
Tgt Ion:166 Resp: 711929
Ion Ratio Lower Upper
166 100
165 98.7 78.0 117.0
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 63.904 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

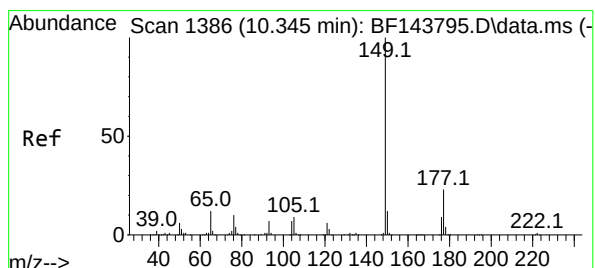
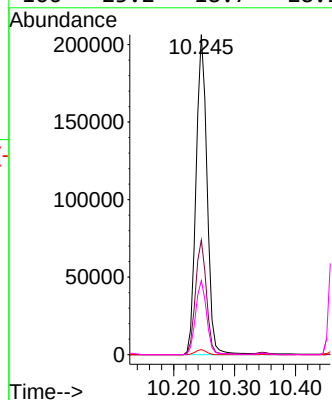
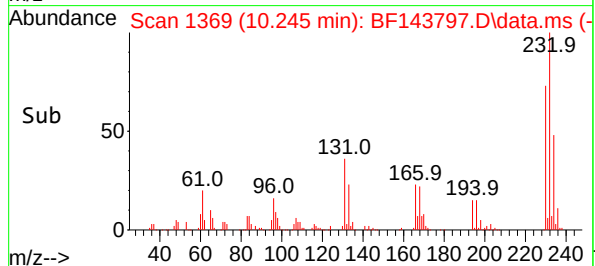
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



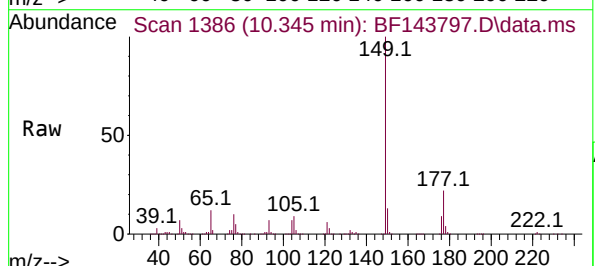
Tgt Ion:232 Resp: 260302
Ion Ratio Lower Upper
232 100
131 35.6 29.4 44.2
130 1.5 1.3 1.9
166 23.2 18.7 28.1

Manual Integrations
APPROVED

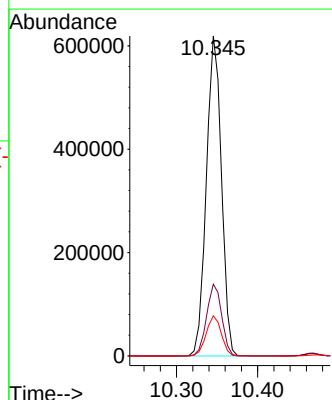
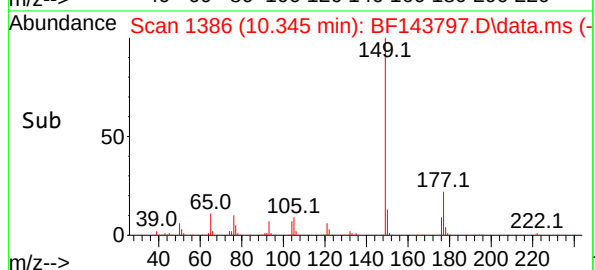
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

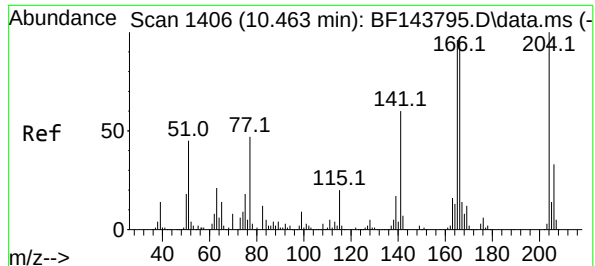


#60
Diethylphthalate
Concen: 58.305 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58



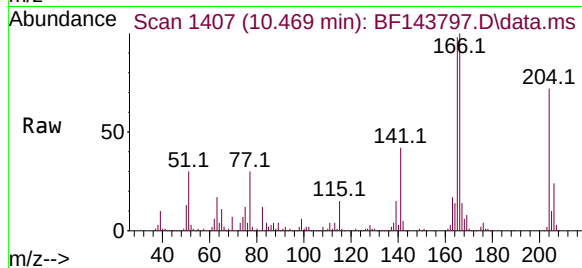
Tgt Ion:149 Resp: 800261
Ion Ratio Lower Upper
149 100
177 22.4 18.1 27.1
150 12.5 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 55.593 ng
RT: 10.469 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

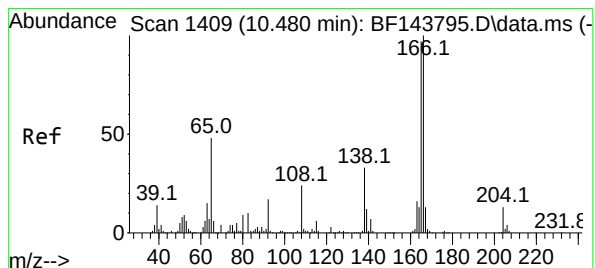
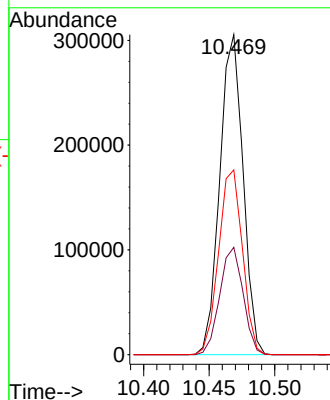
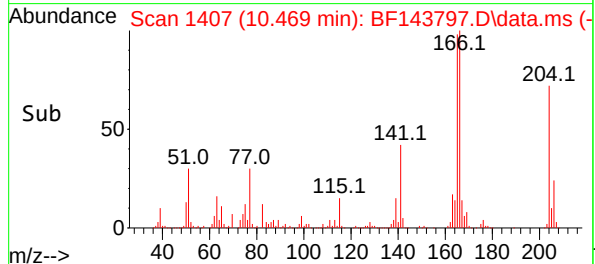
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



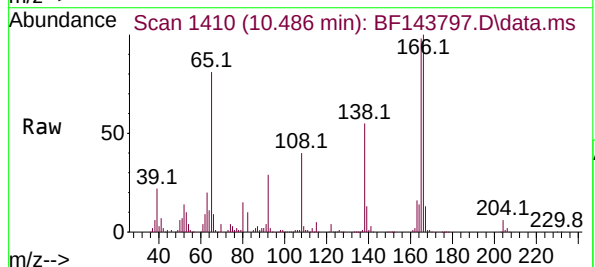
Tgt Ion:204 Resp: 37814
Ion Ratio Lower Upper
204 100
206 33.5 26.7 40.1
141 57.7 48.2 72.2

Manual Integrations
APPROVED

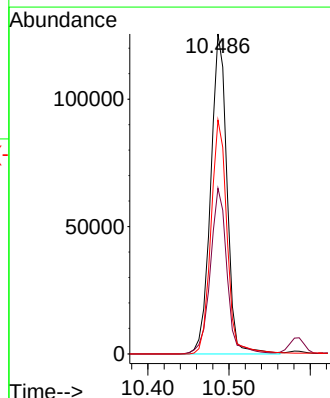
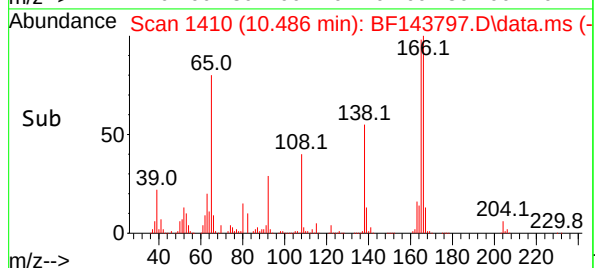
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

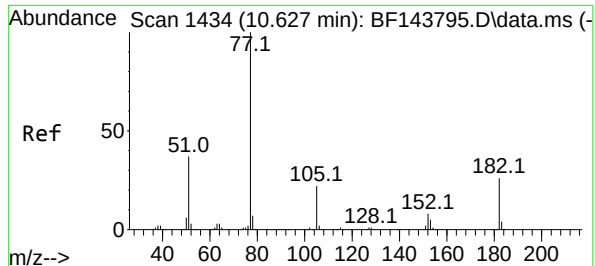


#62
4-Nitroaniline
Concen: 63.907 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58



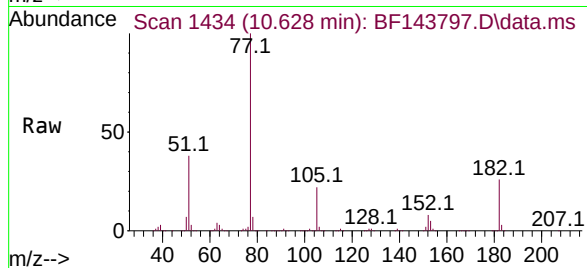
Tgt Ion:138 Resp: 175465
Ion Ratio Lower Upper
138 100
92 51.8 31.5 71.5
108 73.1 51.9 91.9





#63
Azobenzene
Concen: 58.022 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

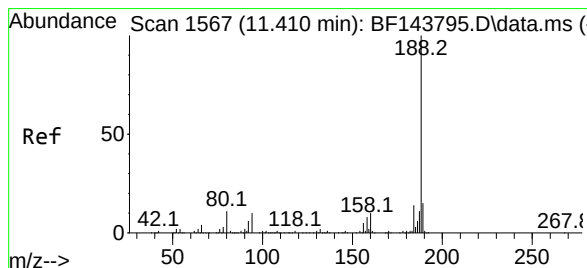
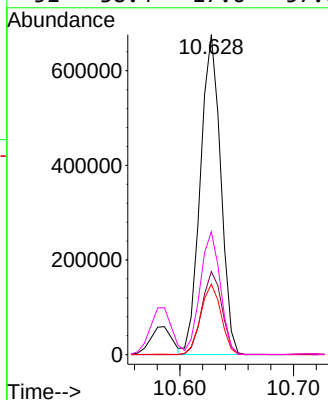
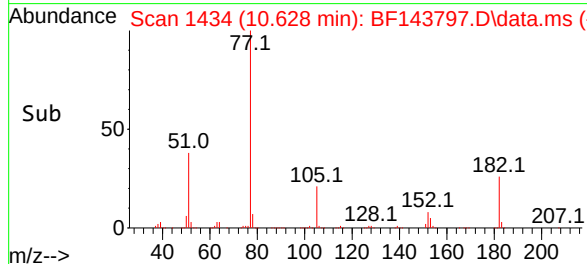
Instrument :
BNA_F
Client Sample Id :
SSTDICC060



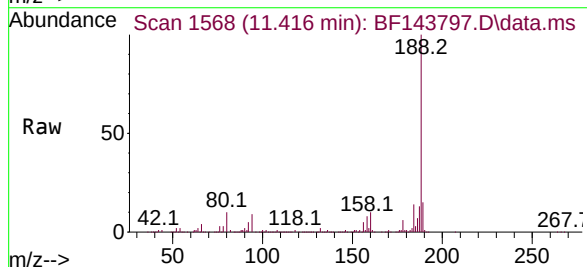
Tgt Ion: 77 Resp: 839301
Ion Ratio Lower Upper
77 100
182 25.9 5.9 45.9
105 22.0 2.3 42.3
51 38.4 17.6 57.6

Manual Integrations
APPROVED

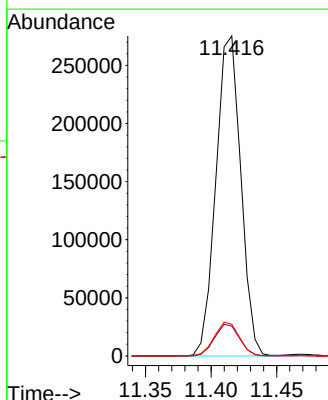
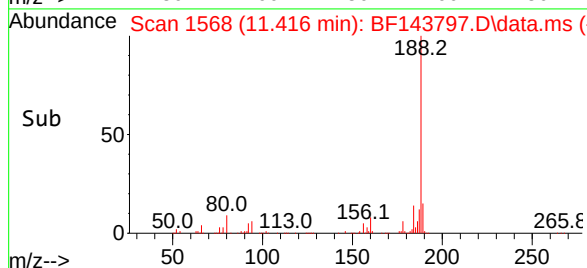
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

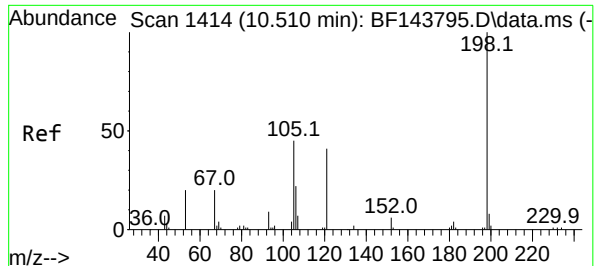


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58



Tgt Ion:188 Resp: 364411
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.2
80 9.9 8.6 12.8





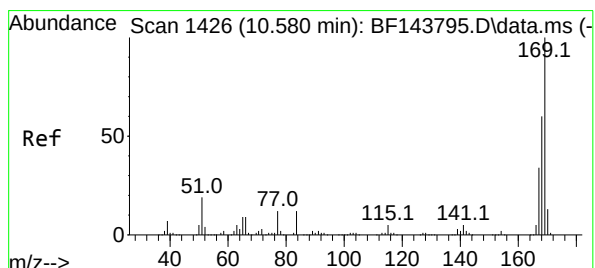
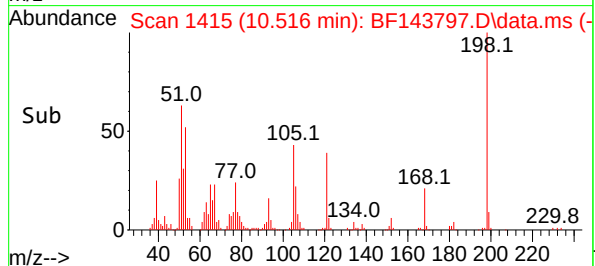
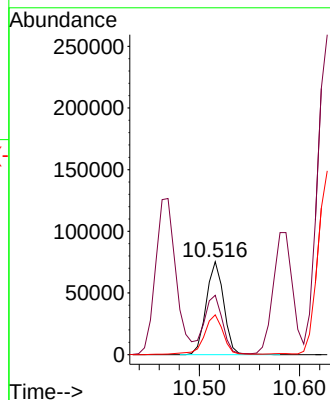
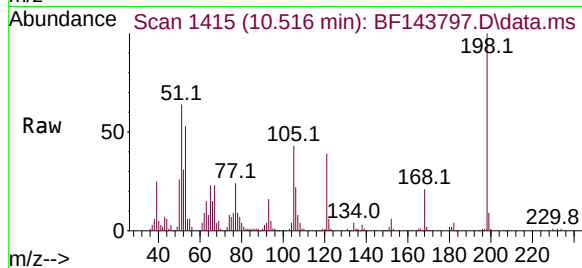
#65
4,6-Dinitro-2-methylphenol
Concen: 62.624 ng
RT: 10.516 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 90861
Ion Ratio Lower Upper
198 100
51 63.9 52.0 92.0
105 42.8 27.5 67.5

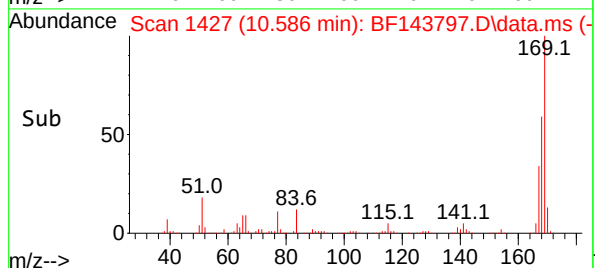
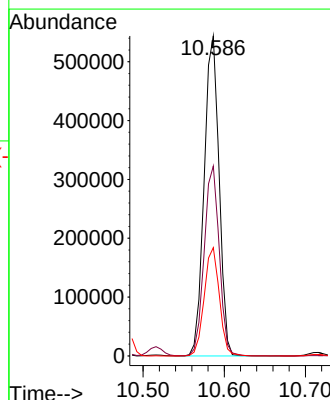
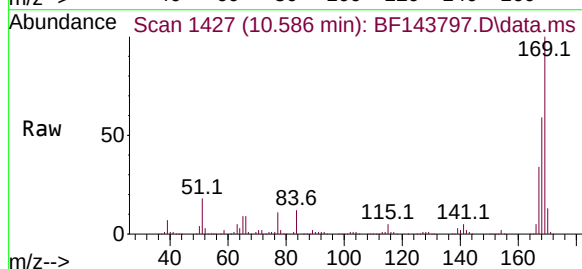
Manual Integrations
APPROVED

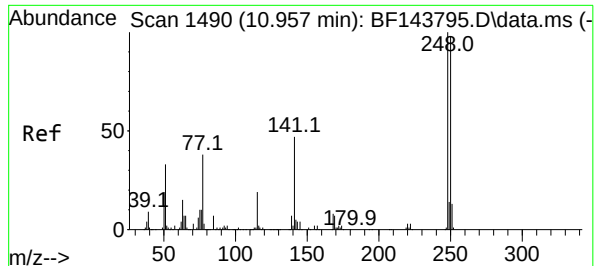
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#66
n-Nitrosodiphenylamine
Concen: 58.067 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

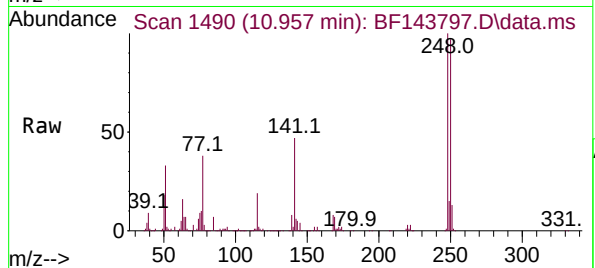
Tgt Ion:169 Resp: 695896
Ion Ratio Lower Upper
169 100
168 59.3 47.9 71.9
167 33.8 27.0 40.6





#67
4-Bromophenyl-phenylether
Concen: 60.132 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

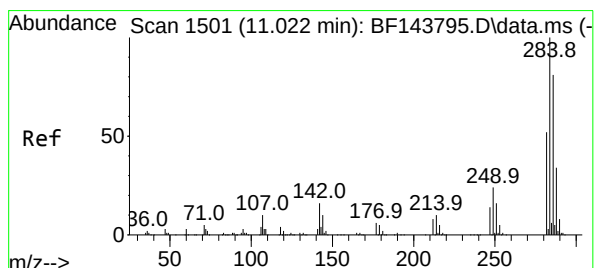
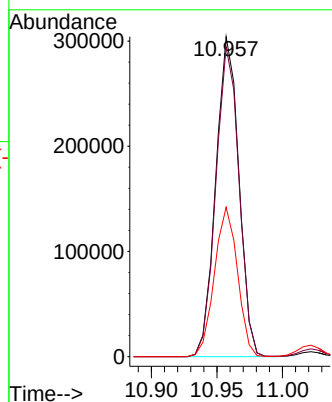
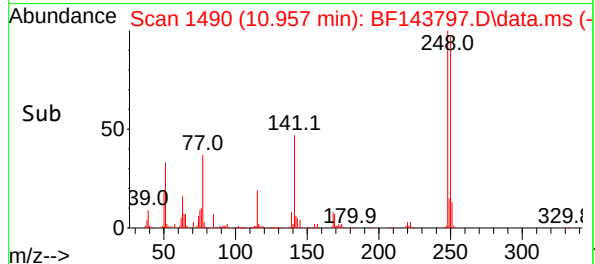
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



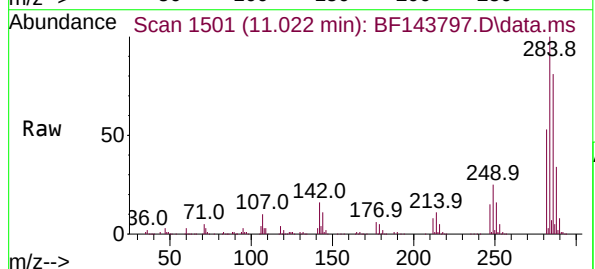
Tgt Ion:248 Resp: 373431
Ion Ratio Lower Upper
248 100
250 96.8 78.7 118.1
141 46.7 37.9 56.9

Manual Integrations
APPROVED

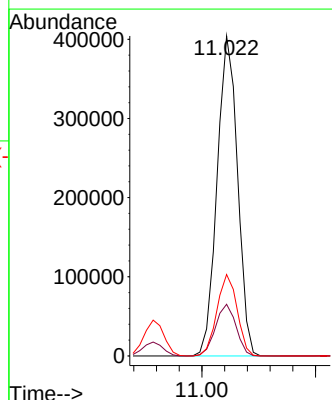
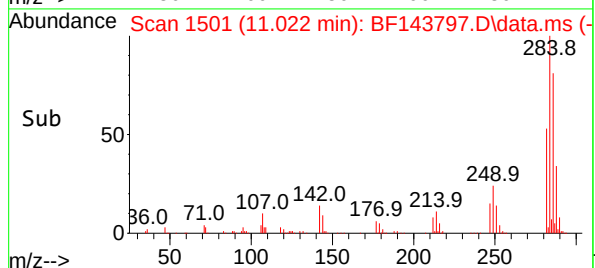
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

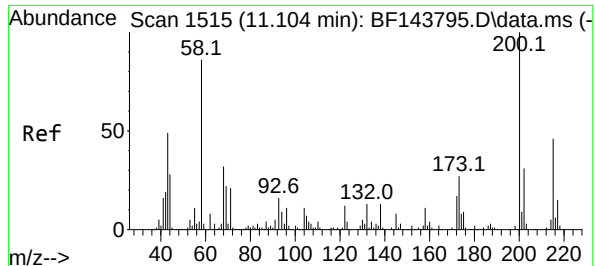


#68
Hexachlorobenzene
Concen: 58.941 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58



Tgt Ion:284 Resp: 504432
Ion Ratio Lower Upper
284 100
142 16.2 13.1 19.7
249 25.4 19.5 29.3





#69

Atrazine

Concen: 58.963 ng

RT: 11.110 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:200 Resp: 204628

Ion Ratio Lower Upper

200 100

173 27.2 7.2 47.2

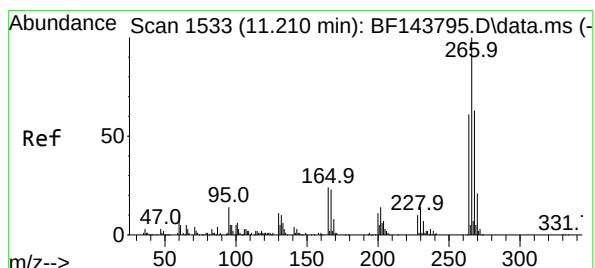
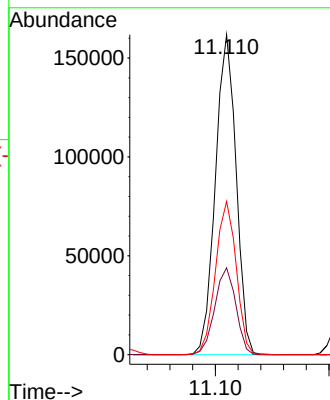
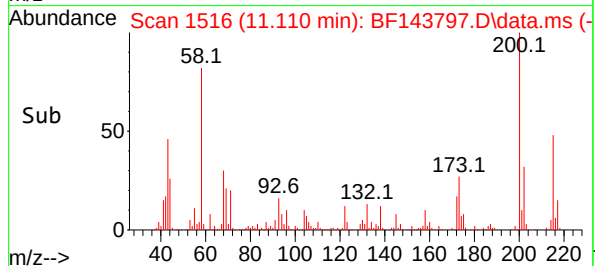
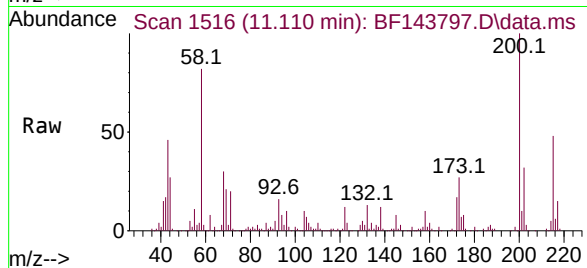
215 47.9 26.0 66.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#70

Pentachlorophenol

Concen: 65.133 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

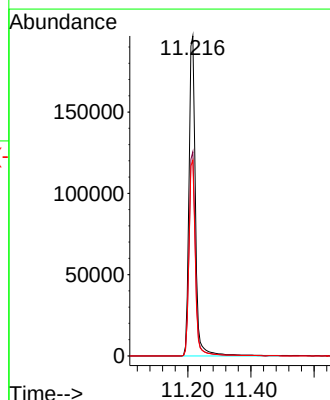
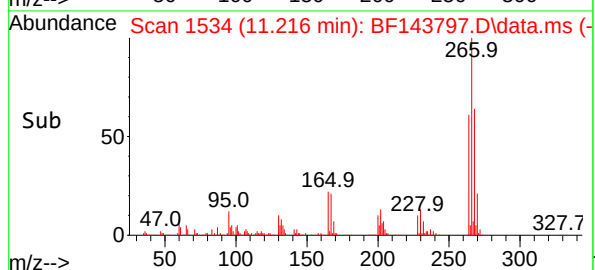
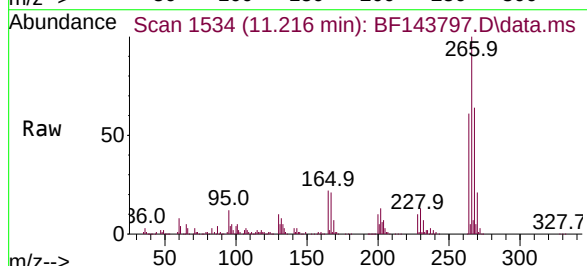
Tgt Ion:266 Resp: 277473

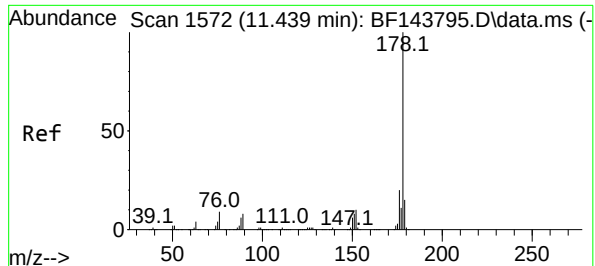
Ion Ratio Lower Upper

266 100

268 63.8 50.5 75.7

264 61.1 48.8 73.2





#71

Phenanthrene

Concen: 55.742 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:178 Resp: 104287

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

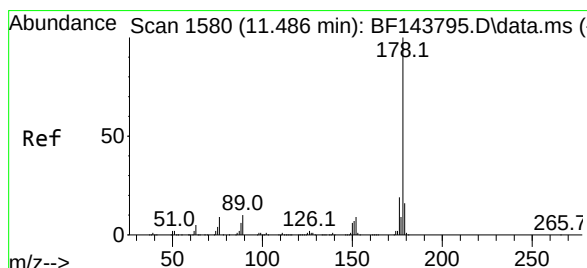
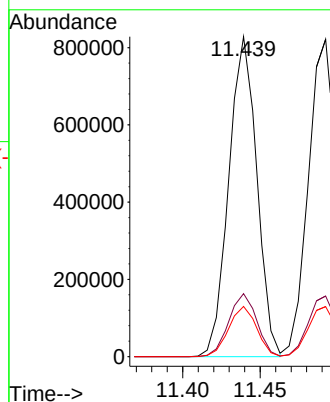
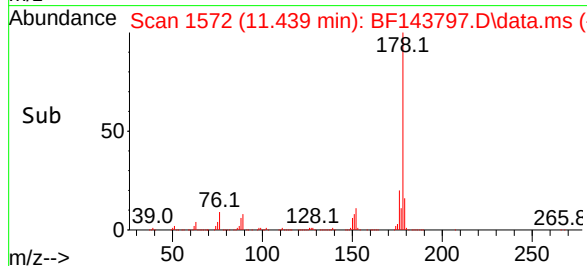
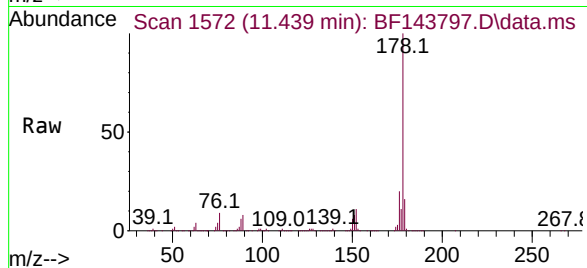
179 15.7 12.2 18.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#72

Anthracene

Concen: 56.095 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58

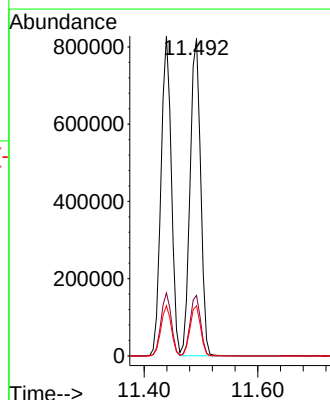
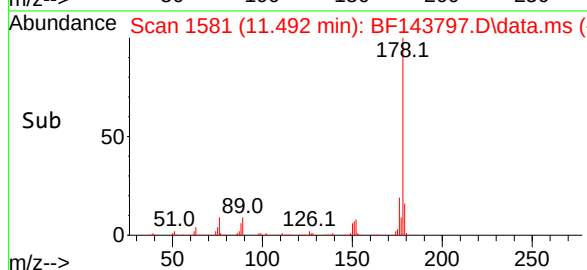
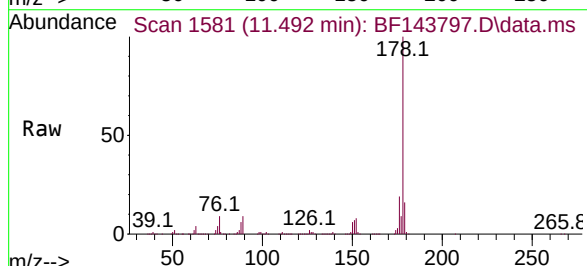
Tgt Ion:178 Resp: 1052693

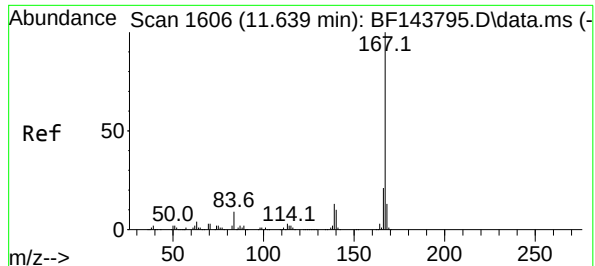
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

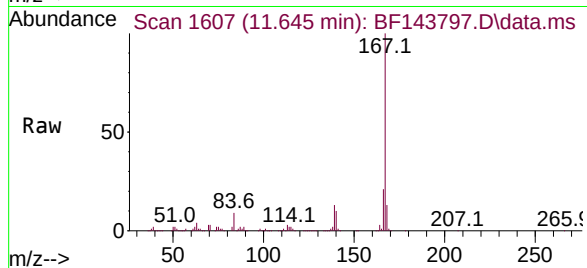
179 15.8 12.8 19.2





#73
Carbazole
Concen: 56.377 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

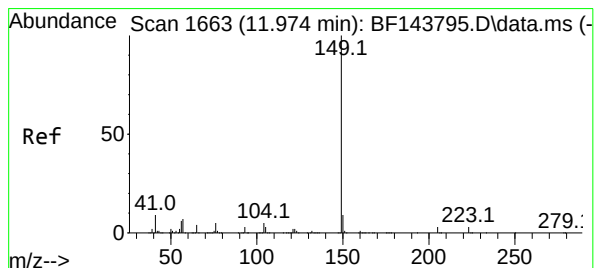
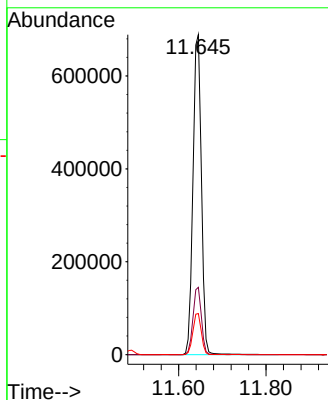
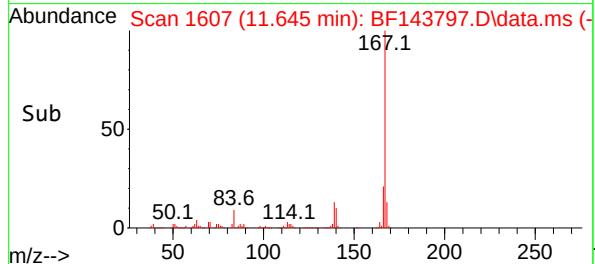
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



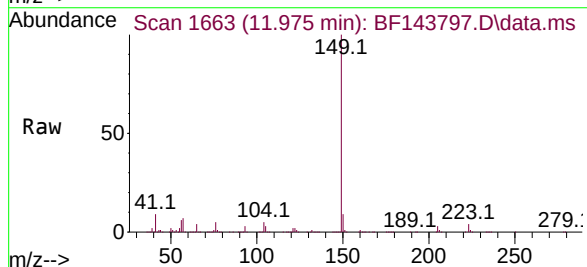
Tgt Ion:167 Resp: 925032
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.8 10.6 15.8

Manual Integrations
APPROVED

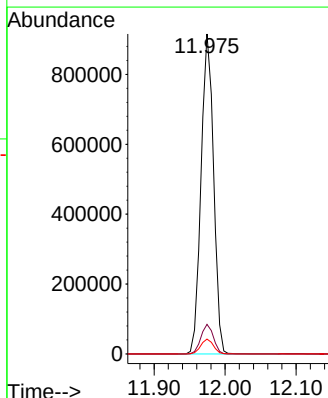
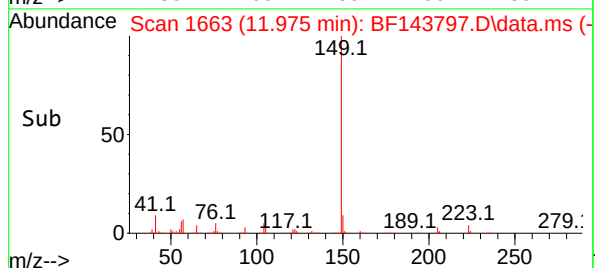
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

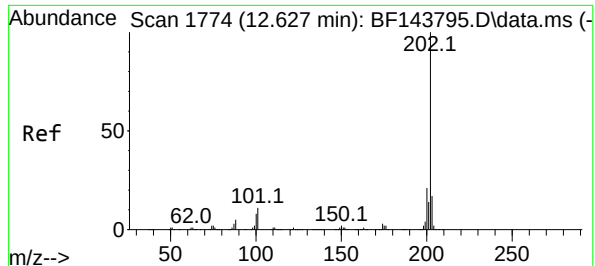


#74
Di-n-butylphthalate
Concen: 59.029 ng
RT: 11.975 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58



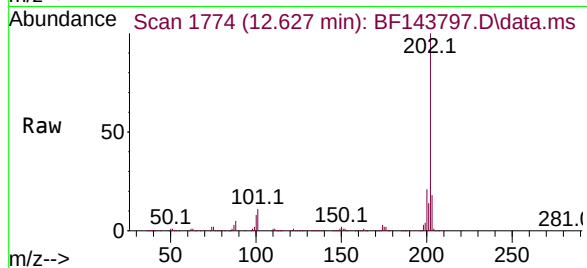
Tgt Ion:149 Resp: 1113894
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.6 3.6 5.4





#75
Fluoranthene
Concen: 55.523 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

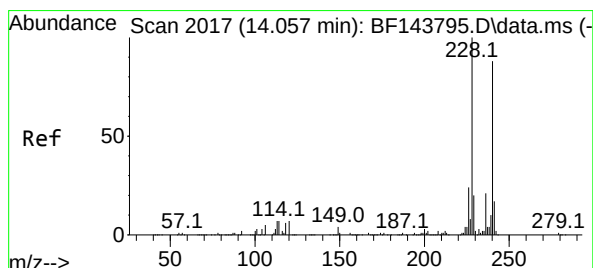
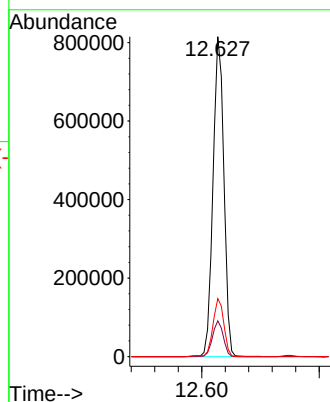
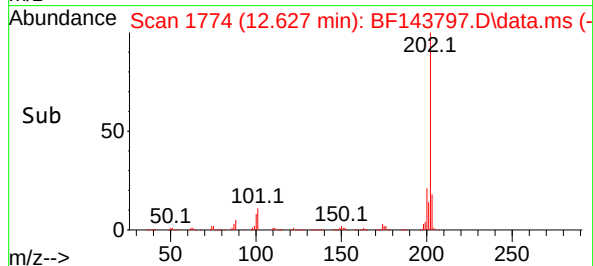
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:202 Resp: 1044763
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.1
203 18.1 0.0 37.4

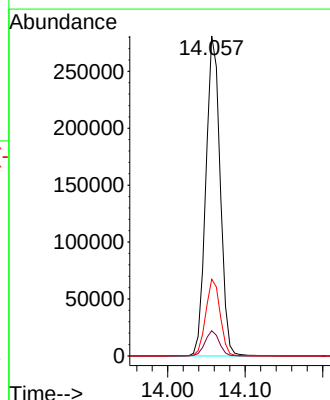
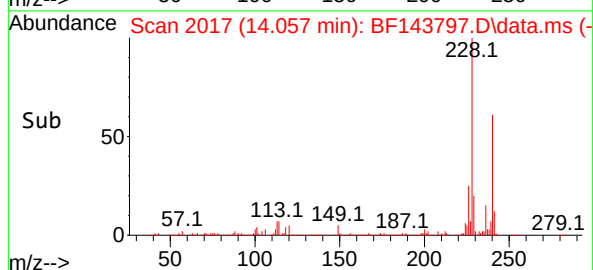
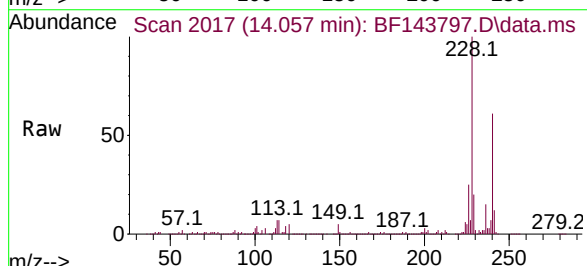
Manual Integrations
APPROVED

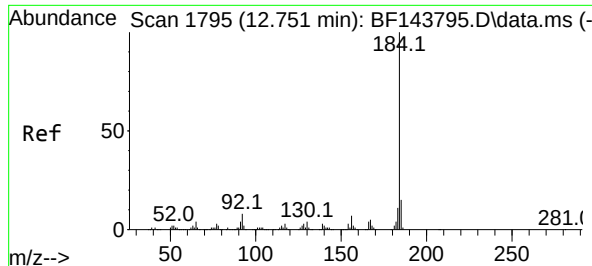
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

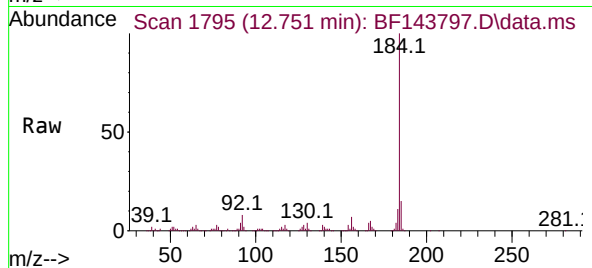
Tgt Ion:240 Resp: 359318
Ion Ratio Lower Upper
240 100
120 7.9 6.2 9.4
236 24.0 19.4 29.2





#77
Benzidine
Concen: 68.094 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

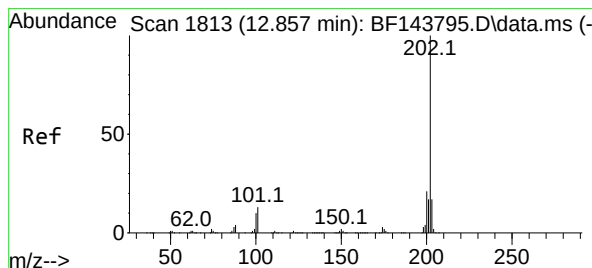
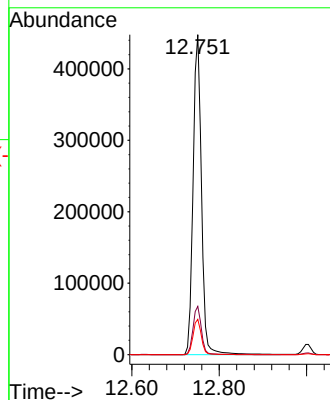
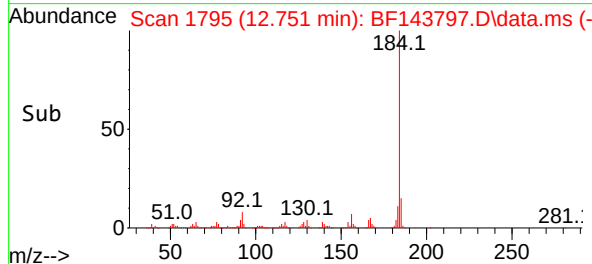
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:184 Resp: 596216
Ion Ratio Lower Upper
184 100
185 15.1 11.6 17.4
183 11.0 8.6 13.0

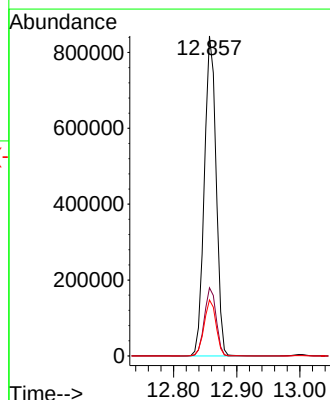
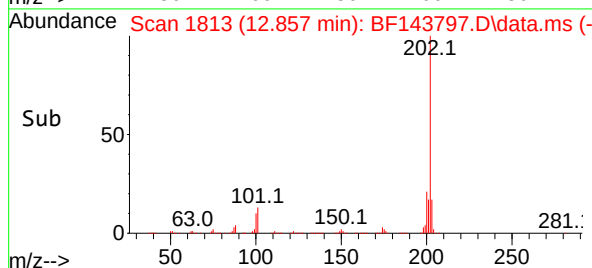
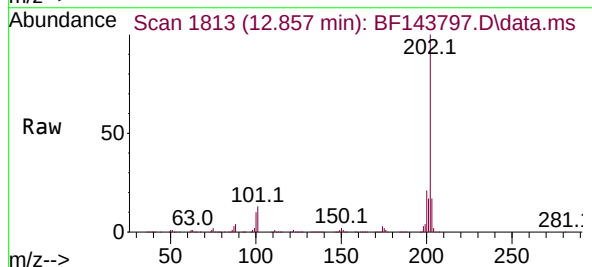
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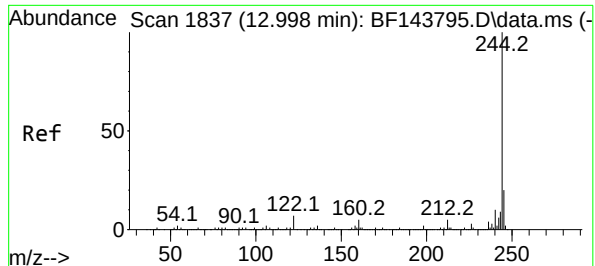
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#78
Pyrene
Concen: 61.683 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

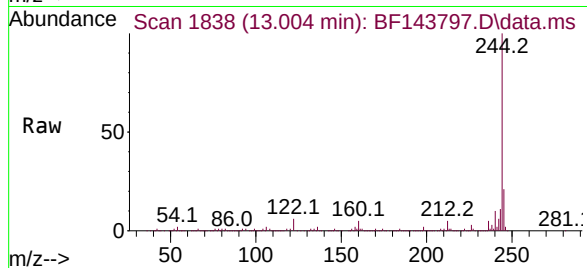
Tgt Ion:202 Resp: 1089660
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.5 13.9 20.9





#79
Terphenyl-d14
Concen: 116.521 ng
RT: 13.004 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

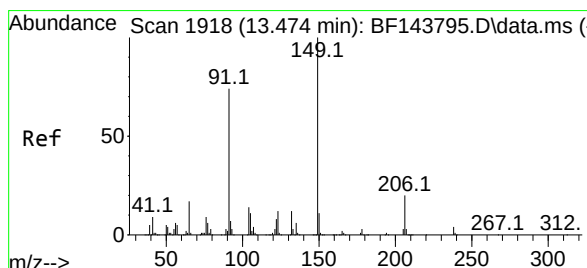
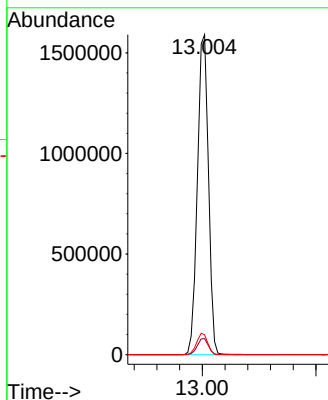
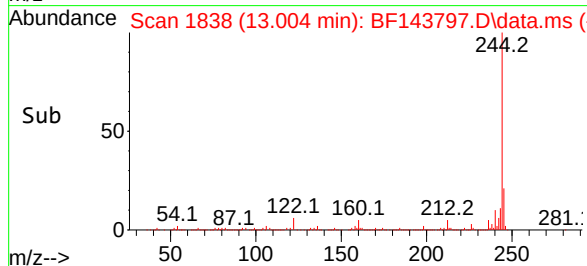
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:244 Resp: 2132520
Ion Ratio Lower Upper
244 100
212 5.0 3.9 5.9
122 6.2 5.6 8.4

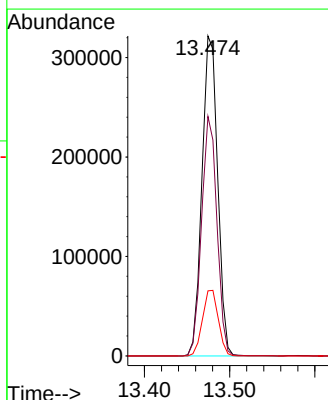
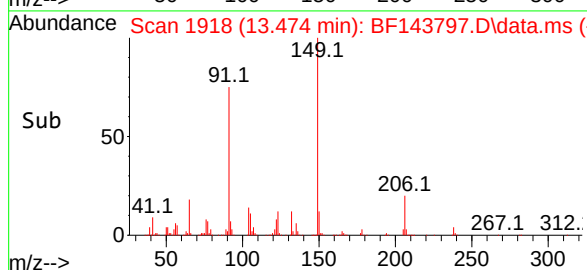
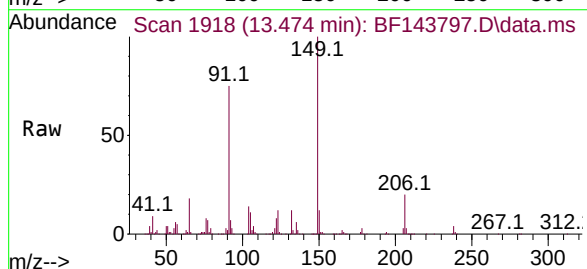
Manual Integrations
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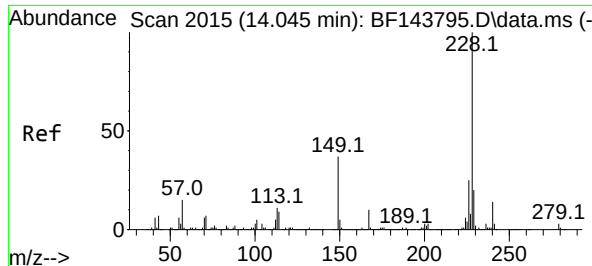
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#80
Butylbenzylphthalate
Concen: 67.252 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

Tgt Ion:149 Resp: 411027
Ion Ratio Lower Upper
149 100
91 74.8 59.5 89.3
206 20.3 16.1 24.1





#81

Benzo(a)anthracene

Concen: 59.491 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF143797.D

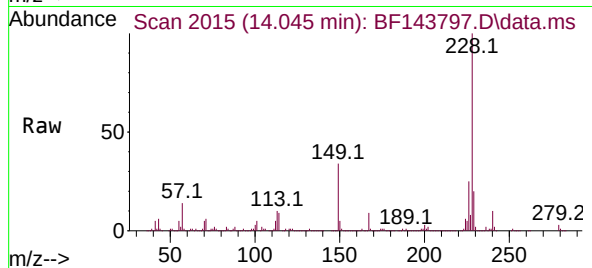
Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:228 Resp: 1148366

Ion Ratio Lower Upper

228 100

226 25.2 20.2 30.2

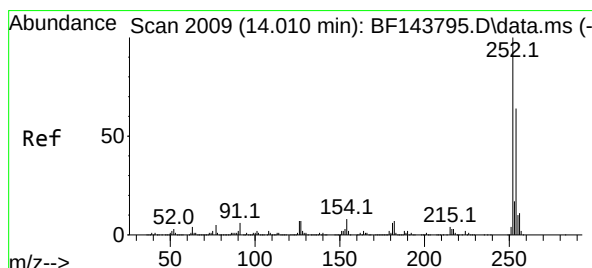
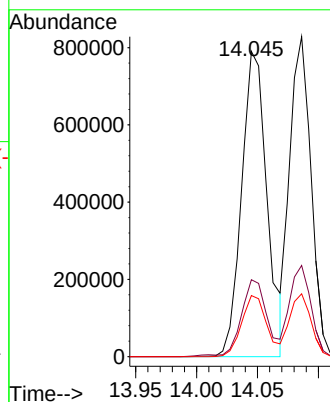
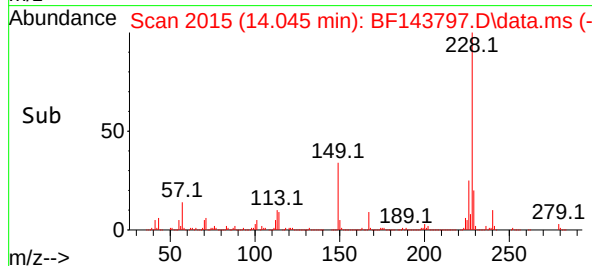
229 20.0 16.1 24.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#82

3,3'-Dichlorobenzidine

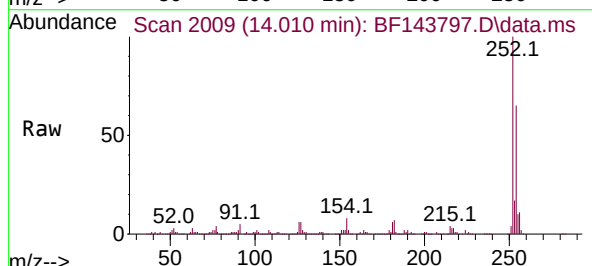
Concen: 61.874 ng

RT: 14.010 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58



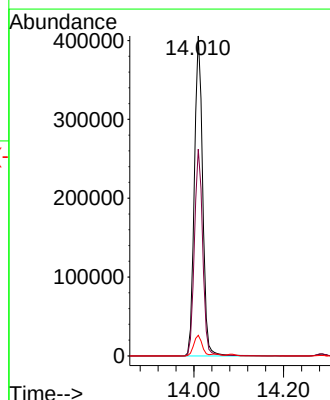
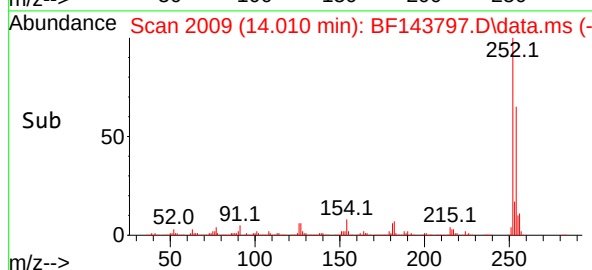
Tgt Ion:252 Resp: 517428

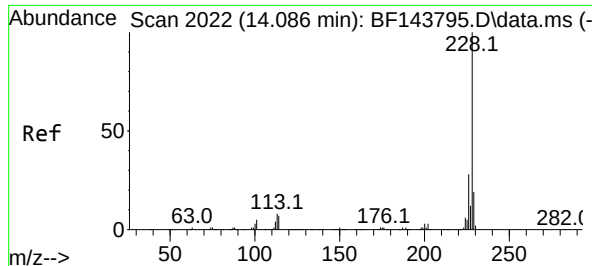
Ion Ratio Lower Upper

252 100

254 64.6 51.5 77.3

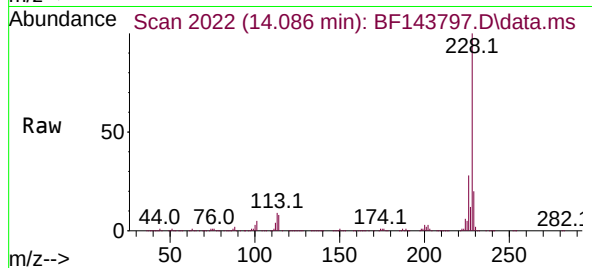
126 6.4 5.4 8.2





#83
Chrysene
Concen: 58.075 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

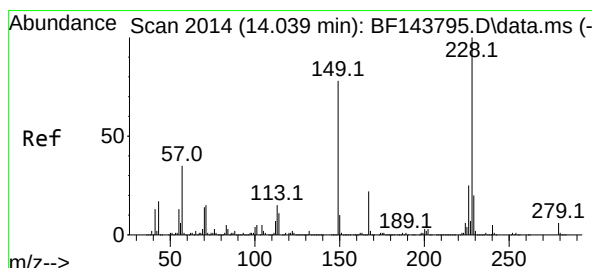
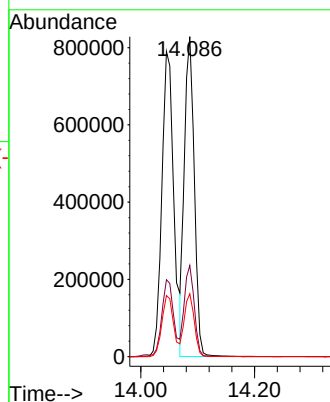
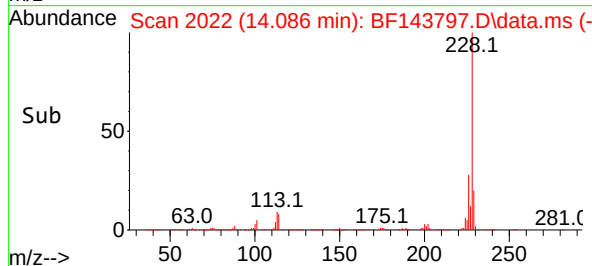
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



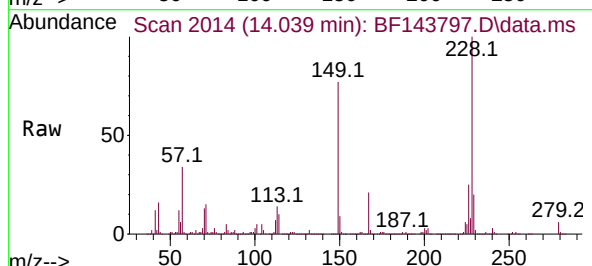
Tgt Ion:228 Resp: 1014385
Ion Ratio Lower Upper
228 100
226 28.5 22.6 33.8
229 19.6 15.6 23.4

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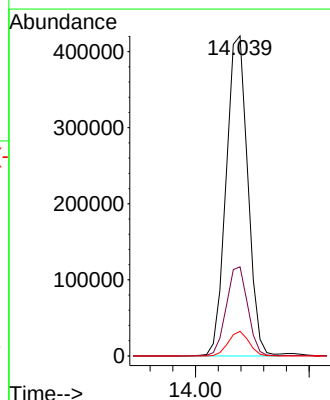
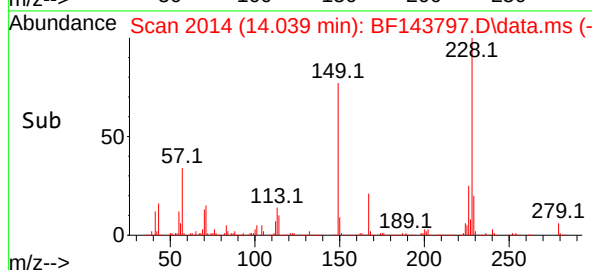
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

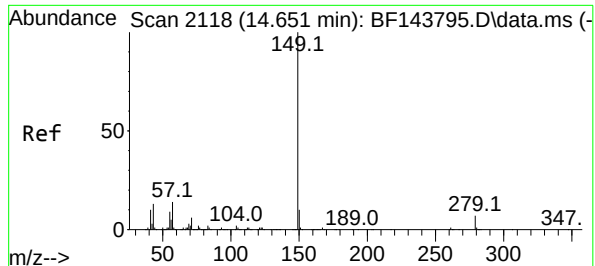


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.115 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58



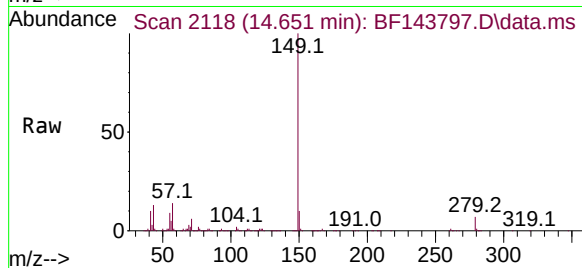
Tgt Ion:149 Resp: 556458
Ion Ratio Lower Upper
149 100
167 27.8 22.2 33.2
279 7.7 6.0 9.0





#85
Di-n-octyl phthalate
Concen: 62.167 ng
RT: 14.651 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

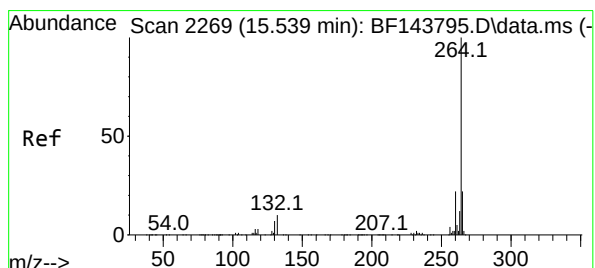
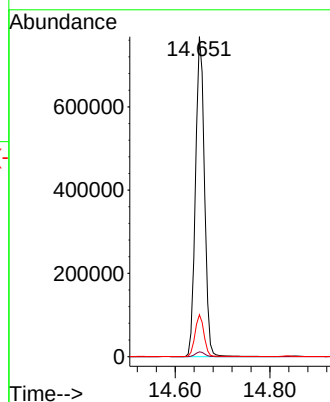
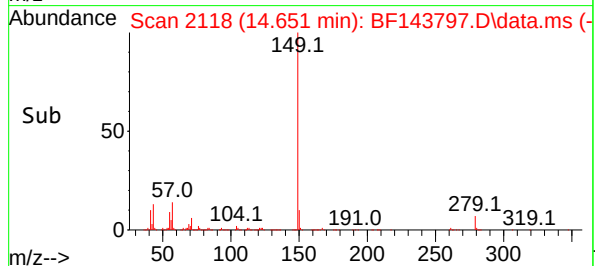
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



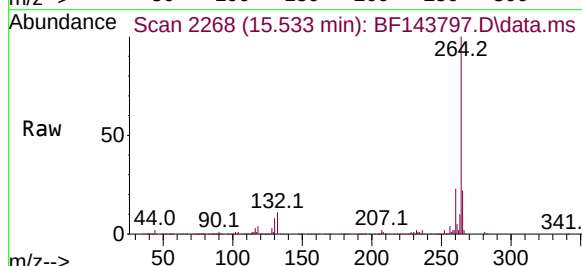
Tgt Ion:149 Resp: 1010224
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.0 10.7 16.1

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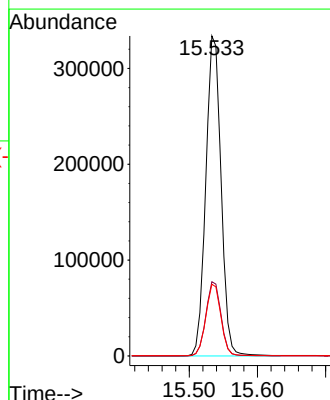
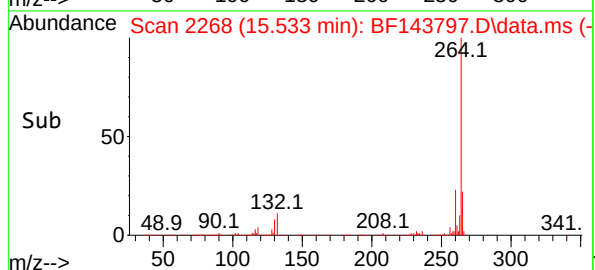
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

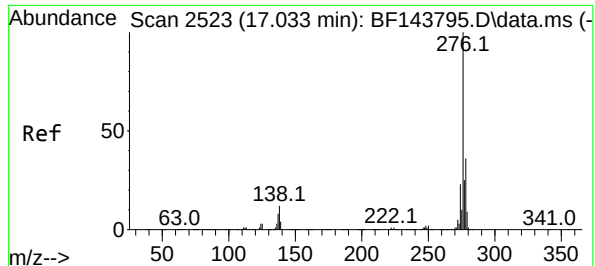


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58



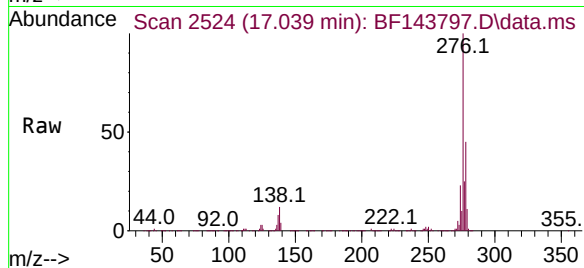
Tgt Ion:264 Resp: 519571
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 22.4 17.7 26.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 61.213 ng
RT: 17.039 min Scan# 2523
Delta R.T. -0.006 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

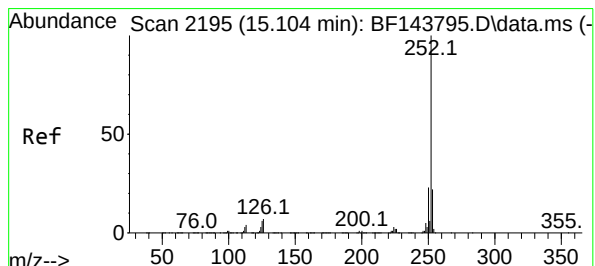
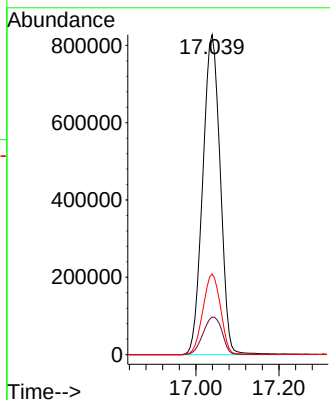
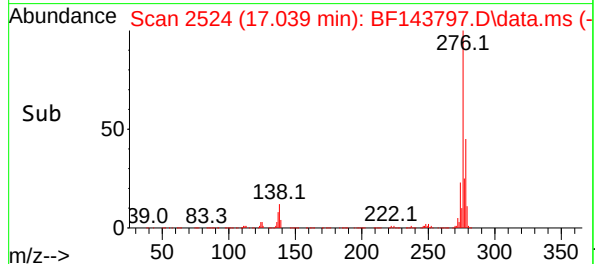
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:276 Resp: 2413125
Ion Ratio Lower Upper
276 100
138 12.8 10.6 15.8
277 25.5 20.7 31.1

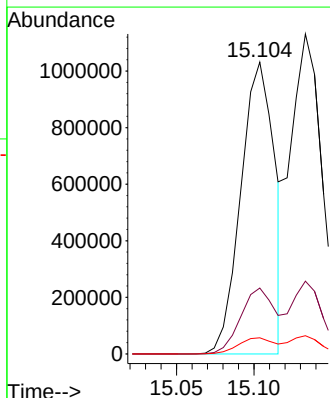
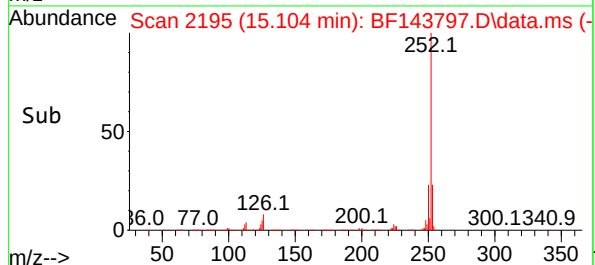
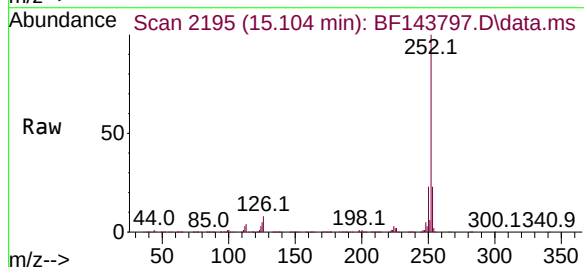
Manual Integrations
APPROVED

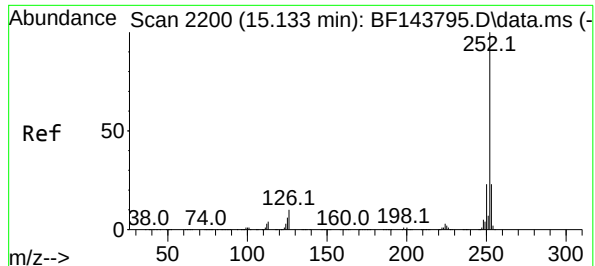
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#88
Benzo(b)fluoranthene
Concen: 59.037 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

Tgt Ion:252 Resp: 1562058
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 5.5 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 60.363 ng

RT: 15.133 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF143797.D

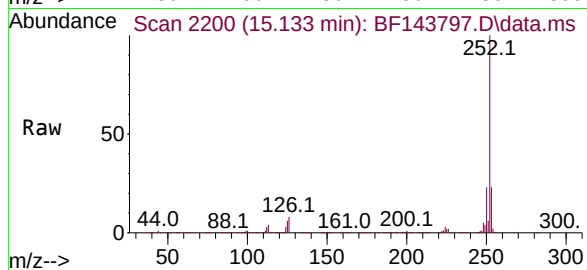
Acq: 23 Sep 2025 14:58

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:252 Resp: 1604602

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

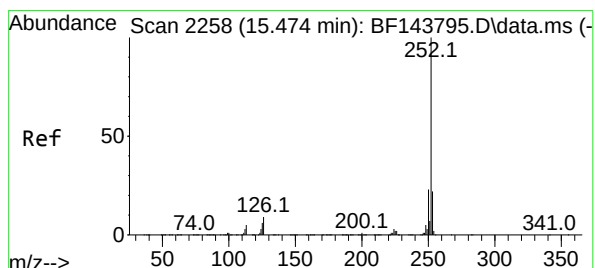
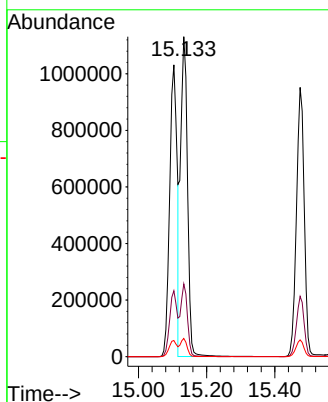
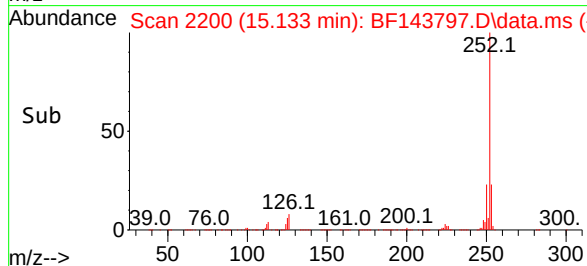
125 5.7 4.6 6.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#90

Benzo(a)pyrene

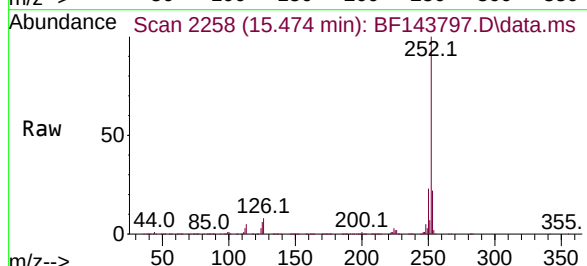
Concen: 60.876 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF143797.D

Acq: 23 Sep 2025 14:58



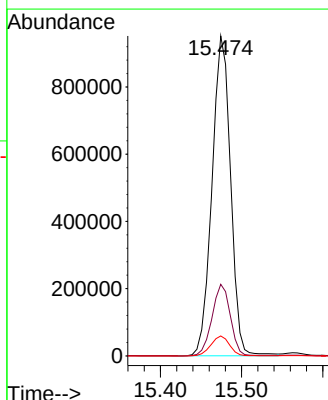
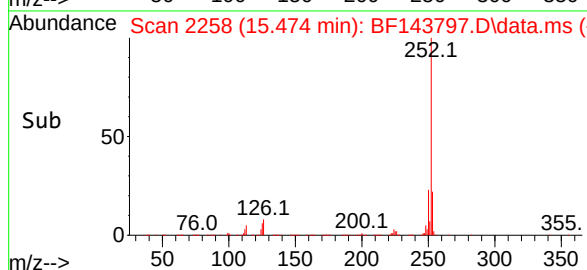
Tgt Ion:252 Resp: 1514049

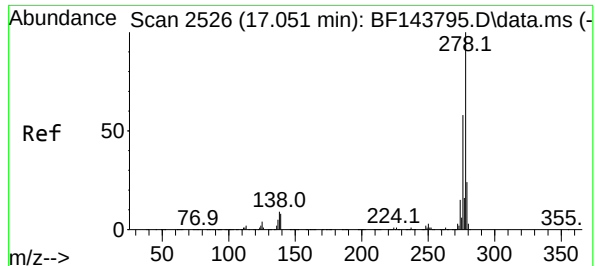
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

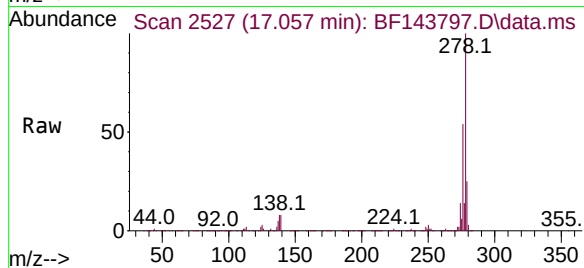
125 6.2 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 60.781 ng
RT: 17.057 min Scan# 2526
Delta R.T. -0.012 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

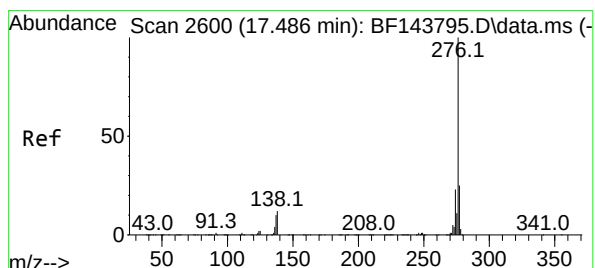
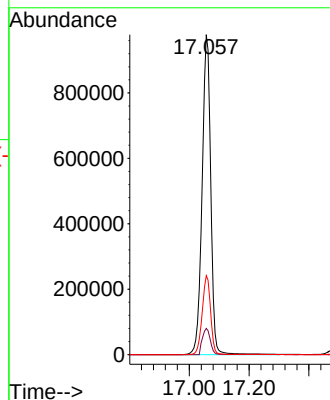
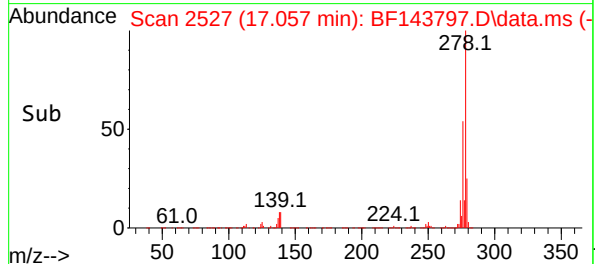
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:278 Resp: 195978
Ion Ratio Lower Upper
278 100
139 8.2 6.7 10.1
279 24.7 19.3 28.9

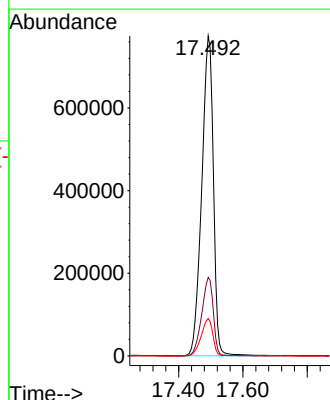
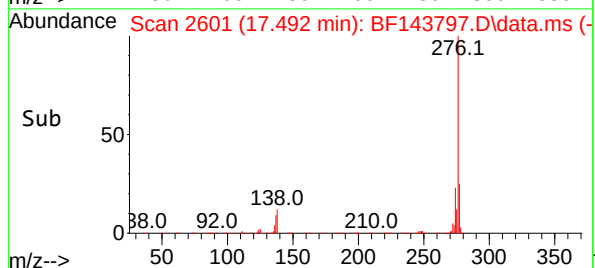
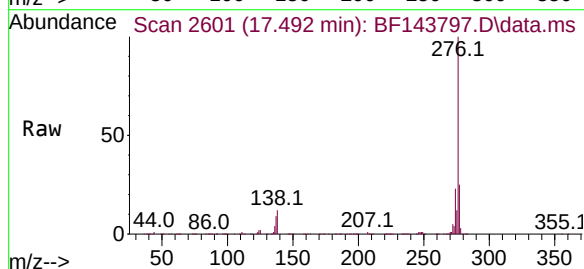
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Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#92
Benzo(g,h,i)perylene
Concen: 62.375 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.012 min
Lab File: BF143797.D
Acq: 23 Sep 2025 14:58

Tgt Ion:276 Resp: 1938747
Ion Ratio Lower Upper
276 100
277 24.6 19.6 29.4
138 11.7 9.2 13.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143798.D
 Acq On : 23 Sep 2025 15:27
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
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Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 17:07:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	114150	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	403097	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	191047	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	300725	20.000	ng	0.00
76) Chrysene-d12	14.063	240	368976	20.000	ng	0.00
86) Perylene-d12	15.539	264	561861	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1026027	144.655	ng	0.00
7) Phenol-d6	6.510	99	1156687	138.192	ng	0.00
23) Nitrobenzene-d5	7.451	82	991785	154.839	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	406469	149.081	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1675409	129.595	ng	0.00
79) Terphenyl-d14	13.004	244	2514401	133.790	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	263600	78.385	ng	99
3) Pyridine	3.399	79	703509	77.500	ng	99
4) n-Nitrosodimethylamine	3.357	42	358564	78.776	ng	99
6) Aniline	6.551	93	833840	70.770	ng	99
8) 2-Chlorophenol	6.669	128	523096	72.726	ng	96
9) Benzaldehyde	6.439	77	512709	72.121	ng	100
10) Phenol	6.528	94	668000m	70.793	ng	
11) bis(2-Chloroethyl)ether	6.622	93	528015	71.386	ng	97
12) 1,3-Dichlorobenzene	6.828	146	592035	70.893	ng	99
13) 1,4-Dichlorobenzene	6.904	146	587436	70.485	ng	100
14) 1,2-Dichlorobenzene	7.057	146	554647	70.268	ng	99
15) Benzyl Alcohol	7.028	79	427439	72.870	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1250239	71.282	ng	100
17) 2-Methylphenol	7.134	107	401874	72.168	ng	98
18) Hexachloroethane	7.404	117	213691	72.909	ng	96
19) n-Nitroso-di-n-propyla...	7.304	70	349063	66.866	ng	99
20) 3+4-Methylphenols	7.287	107	466916	68.853	ng	98
22) Acetophenone	7.298	105	601642	67.955	ng	97
24) Nitrobenzene	7.475	77	552229	75.655	ng	97
25) Isophorone	7.710	82	926928	72.232	ng	99
26) 2-Nitrophenol	7.786	139	241928	78.881	ng	95
27) 2,4-Dimethylphenol	7.816	122	420564	73.324	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	579809	69.544	ng	99
29) 2,4-Dichlorophenol	8.022	162	418769	74.200	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	426294	72.784	ng	98
31) Naphthalene	8.192	128	1331192	68.985	ng	99
32) Benzoic acid	7.922	122	259578	93.800	ng	96
33) 4-Chloroaniline	8.239	127	475524	70.124	ng	99
34) Hexachlorobutadiene	8.310	225	320435	73.390	ng	99
35) Caprolactam	8.610	113	112528	78.007	ng	99
36) 4-Chloro-3-methylphenol	8.710	107	383212	72.398	ng	98
37) 2-Methylnaphthalene	8.881	142	839849	68.255	ng	100
38) 1-Methylnaphthalene	8.981	142	799000	67.842	ng	98
40) 1,2,4,5-Tetrachloroben...	9.051	216	419788	72.811	ng	99
41) Hexachlorocyclopentadiene	9.039	237	295770	80.945	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	278988	77.279	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143798.D
 Acq On : 23 Sep 2025 15:27
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 17:07:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	291440	77.179	ng	99
46) 1,1'-Biphenyl	9.345	154	969811	70.127	ng	99
47) 2-Chloronaphthalene	9.375	162	792043	71.150	ng	99
48) 2-Nitroaniline	9.463	65	294783	87.616	ng	97
49) Acenaphthylene	9.786	152	1100520	71.813	ng	99
50) Dimethylphthalate	9.639	163	857631	73.652	ng	100
51) 2,6-Dinitrotoluene	9.704	165	168866	88.265	ng	96
52) Acenaphthene	9.963	154	727931	72.181	ng	98
53) 3-Nitroaniline	9.875	138	201936	87.079	ng	99
54) 2,4-Dinitrophenol	9.975	184	64545	79.097	ng	91
55) Dibenzofuran	10.133	168	1015631	71.219	ng	100
56) 4-Nitrophenol	10.022	139	160308	85.785	ng	96
57) 2,4-Dinitrotoluene	10.110	165	229035	78.669	ng	99
58) Fluorene	10.475	166	730945	68.947	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	269005	83.157	ng	98
60) Diethylphthalate	10.345	149	814823	74.753	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	384933	71.259	ng	97
62) 4-Nitroaniline	10.492	138	195008	89.434	ng	99
63) Azobenzene	10.627	77	841633	73.264	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	101519	78.431	ng	94
66) n-Nitrosodiphenylamine	10.586	169	714258	72.221	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	389253	75.954	ng	98
68) Hexachlorobenzene	11.022	284	525440	74.398	ng	99
69) Atrazine	11.110	200	219693	76.710	ng	99
70) Pentachlorophenol	11.216	266	311232	88.529	ng	99
71) Phenanthrene	11.439	178	1108268	71.783	ng	99
72) Anthracene	11.492	178	1136970	73.416	ng	99
73) Carbazole	11.645	167	1018624	75.229	ng	100
74) Di-n-butylphthalate	11.974	149	1239778	79.613	ng	100
75) Fluoranthene	12.627	202	1217249	78.389	ng	99
77) Benzidine	12.751	184	600496	66.788	ng	100
78) Pyrene	12.857	202	1279855	70.553	ng	99
80) Butylbenzylphthalate	13.480	149	528060	84.139	ng	97
81) Benzo(a)anthracene	14.051	228	1467968	74.057	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	687295	80.036	ng	99
83) Chrysene	14.086	228	1352077	75.382	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	726710	78.996	ng	100
85) Di-n-octyl phthalate	14.657	149	1372332	82.239	ng	100
87) Indeno(1,2,3-cd)pyrene	17.045	276	3299429	77.396	ng	99
88) Benzo(b)fluoranthene	15.104	252	2247670	78.555	ng	98
89) Benzo(k)fluoranthene	15.139	252	2033980	70.756	ng	99
90) Benzo(a)pyrene	15.480	252	2063204	76.712	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	2621312	75.178	ng	99
92) Benzo(g,h,i)perylene	17.503	276	2625358	78.108	ng	100

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

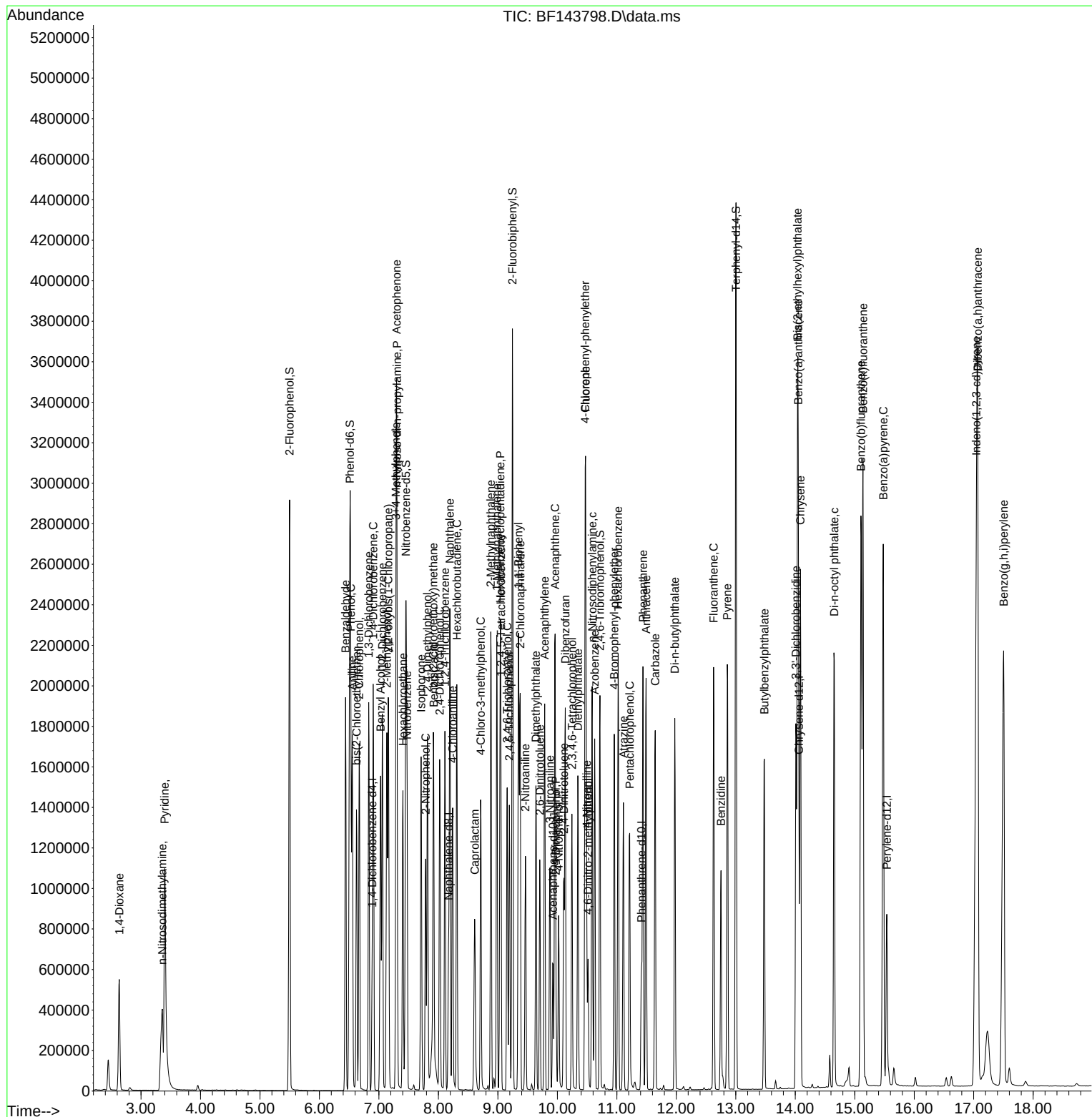
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 Acq On : 23 Sep 2025 15:27
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

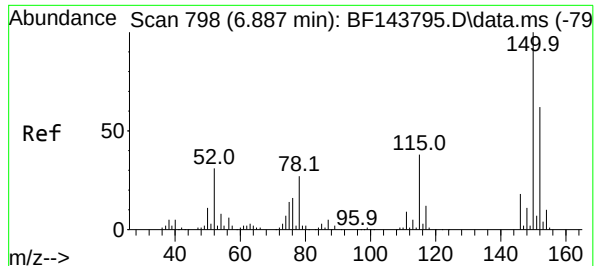
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 ClientSampleId :
 SSTDICC080

Quant Time: Sep 23 17:07:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:31:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

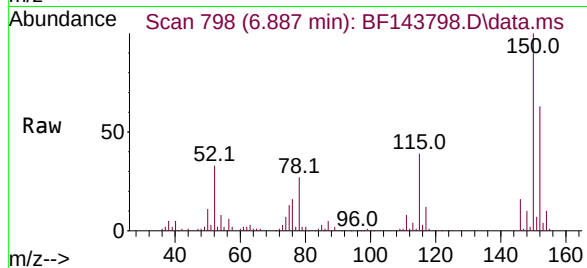
Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

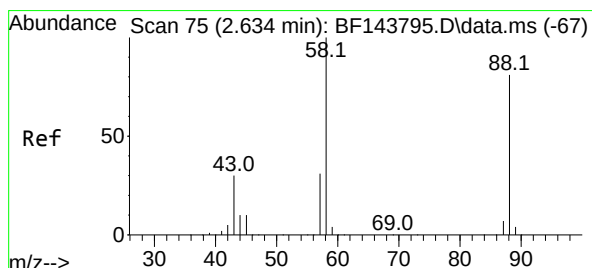
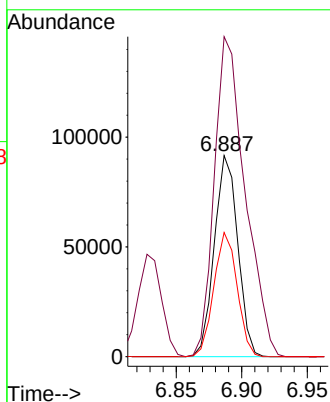
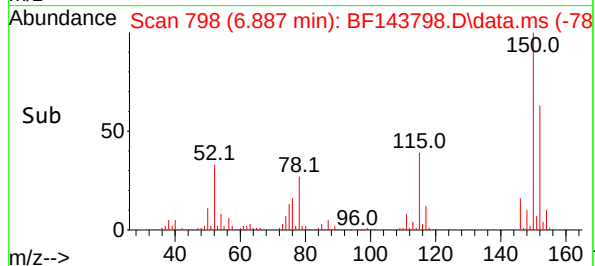
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:152 Resp: 114150
Ion Ratio Lower Upper
152 100
150 159.2 129.6 194.4
115 61.8 49.0 73.4

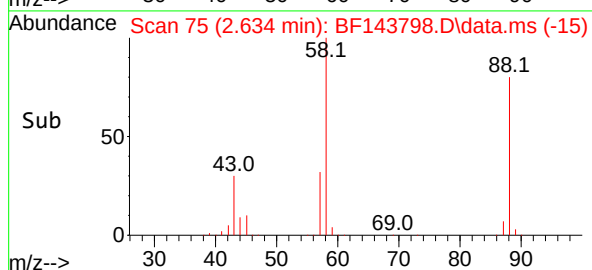
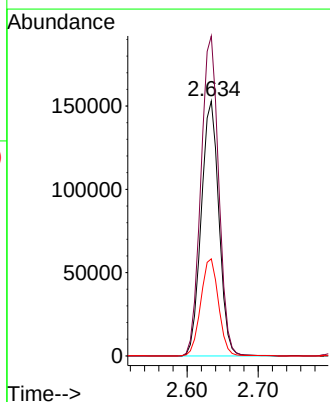
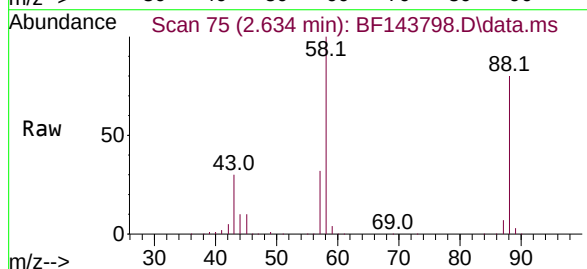
Manual Integrations
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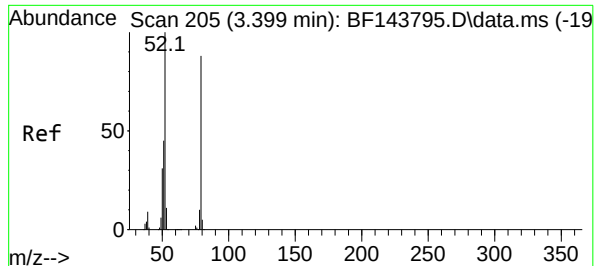
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#2
1,4-Dioxane
Concen: 78.385 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

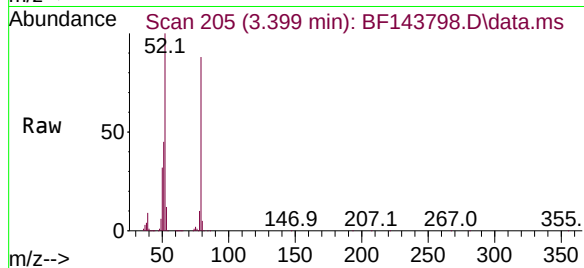
Tgt Ion: 88 Resp: 263600
Ion Ratio Lower Upper
88 100
58 126.1 99.4 149.2
43 38.3 30.6 45.8





#3
Pyridine
Concen: 77.500 ng
RT: 3.399 min Scan# 205
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

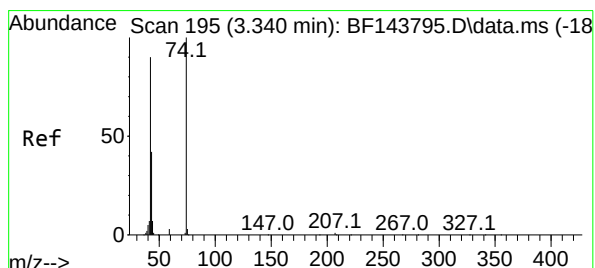
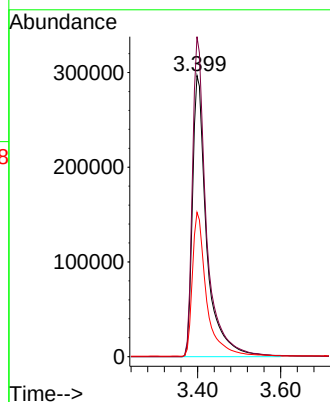
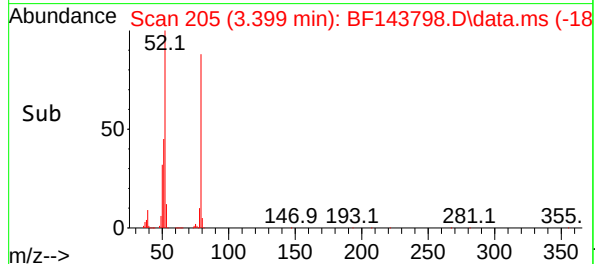
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 79 Resp: 703509
Ion Ratio Lower Upper
79 100
52 113.9 90.5 135.7
51 51.3 40.6 61.0

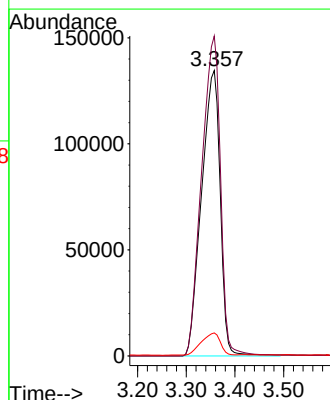
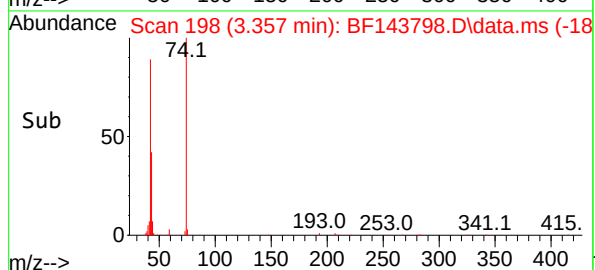
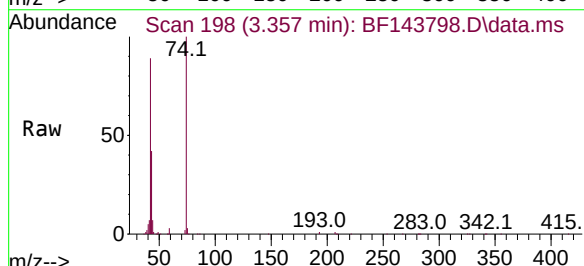
Manual Integrations
APPROVED

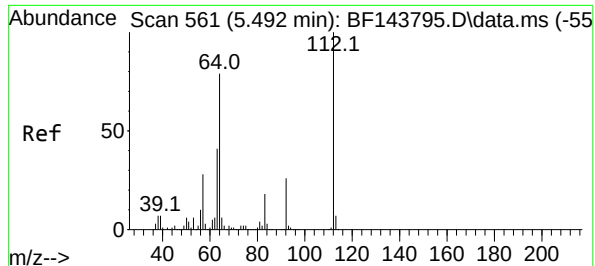
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#4
n-Nitrosodimethylamine
Concen: 78.776 ng
RT: 3.357 min Scan# 198
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

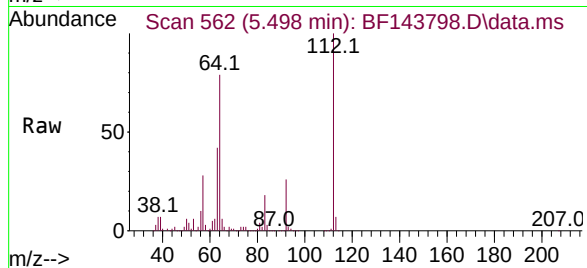
Tgt Ion: 42 Resp: 358564
Ion Ratio Lower Upper
42 100
74 112.1 89.1 133.7
44 8.1 6.4 9.6





#5
2-Fluorophenol
Concen: 144.655 ng
RT: 5.498 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

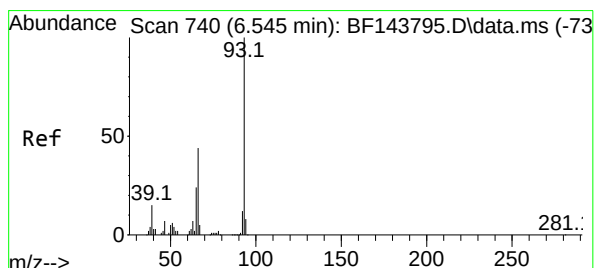
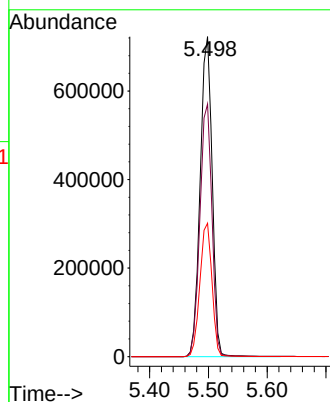
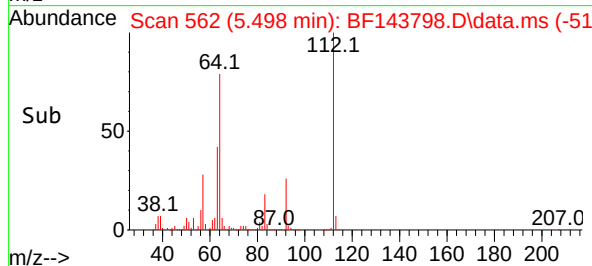
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 112 Resp: 102602
Ion Ratio Lower Upper
112 100
64 78.9 63.0 94.4
63 41.7 32.6 49.0

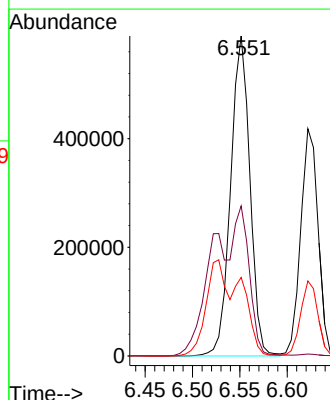
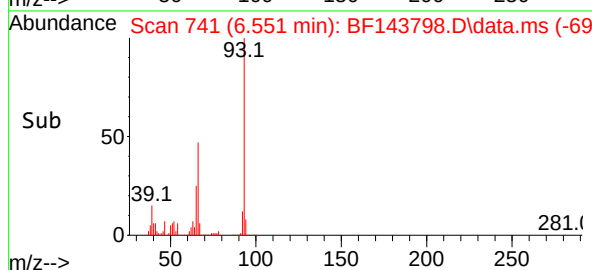
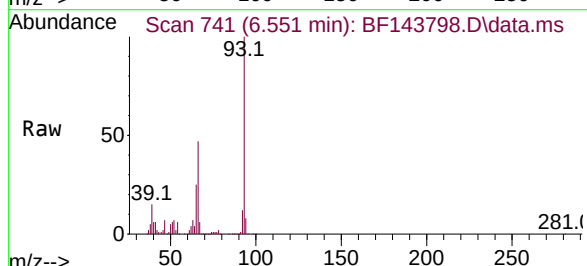
Manual Integrations
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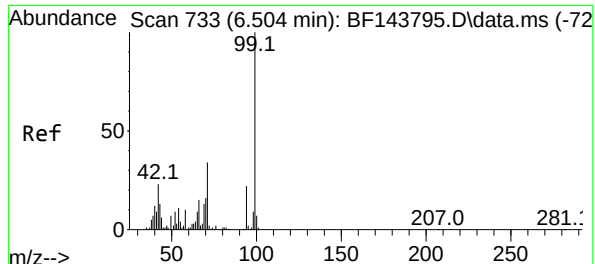
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#6
Aniline
Concen: 70.770 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

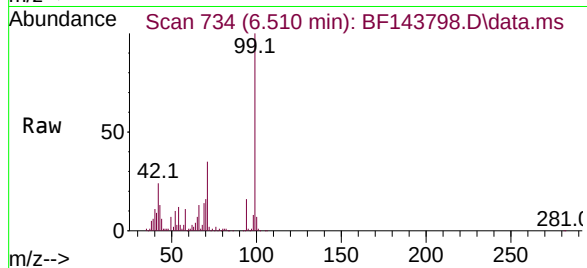
Tgt Ion: 93 Resp: 833840
Ion Ratio Lower Upper
93 100
66 46.9 37.1 55.7
65 24.5 19.4 29.0





#7
Phenol-d6
Concen: 138.192 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

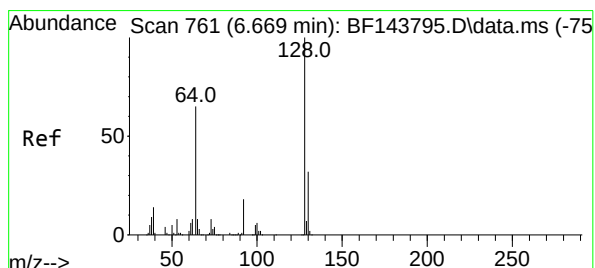
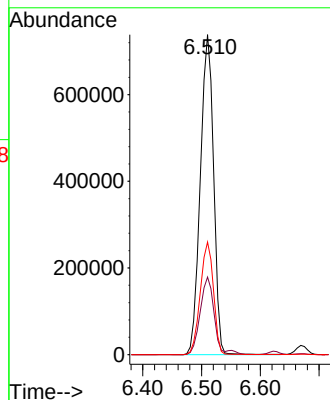
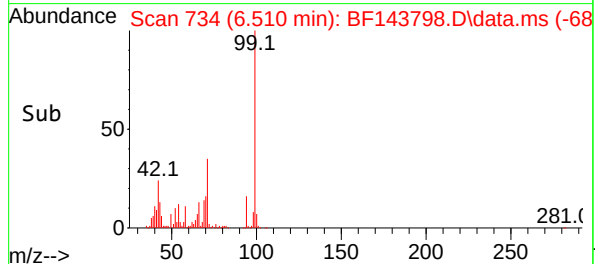
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 99 Resp: 115668
Ion Ratio Lower Upper
99 100
42 24.2 18.6 28.0
71 35.2 27.0 40.4

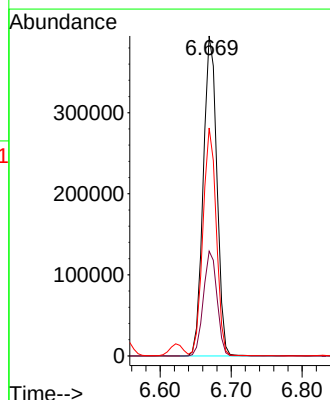
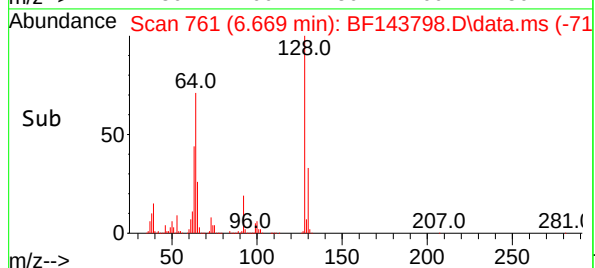
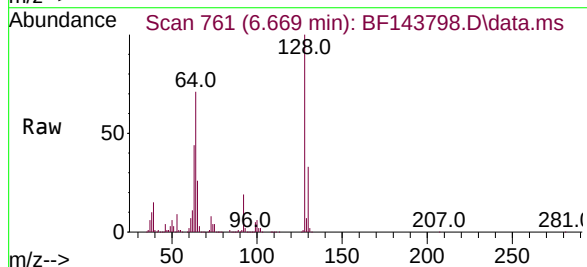
Manual Integrations
APPROVED

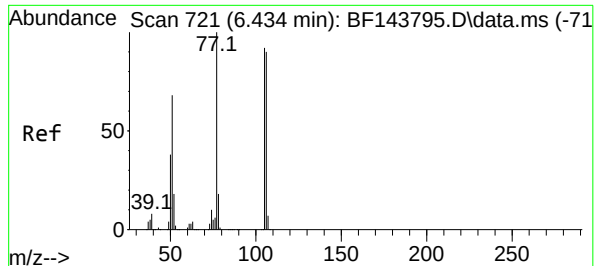
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#8
2-Chlorophenol
Concen: 72.726 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Tgt Ion:128 Resp: 523096
Ion Ratio Lower Upper
128 100
130 32.7 12.2 52.2
64 71.2 46.5 86.5





#9

Benzaldehyde

Concen: 72.121 ng

RT: 6.439 min Scan# 721

Delta R.T. 0.000 min

Lab File: BF143798.D

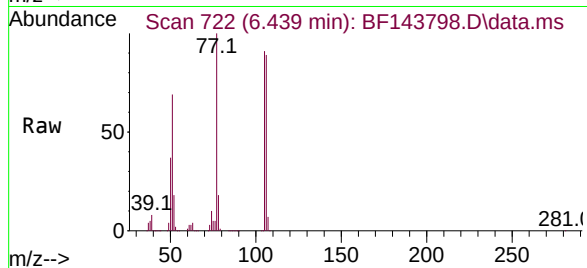
Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion: 77 Resp: 512709

Ion Ratio Lower Upper

77 100

105 91.4 71.8 111.8

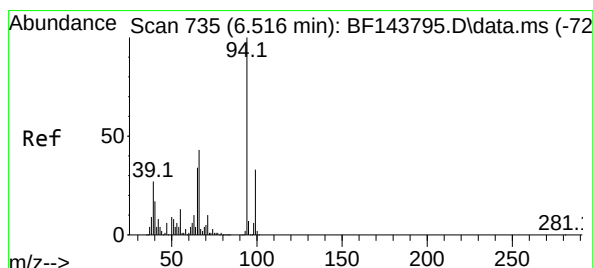
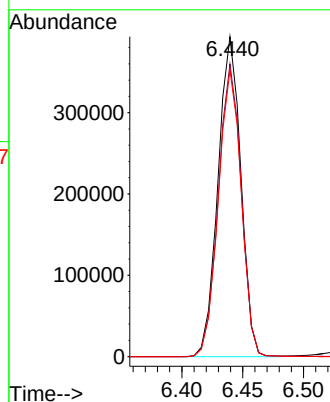
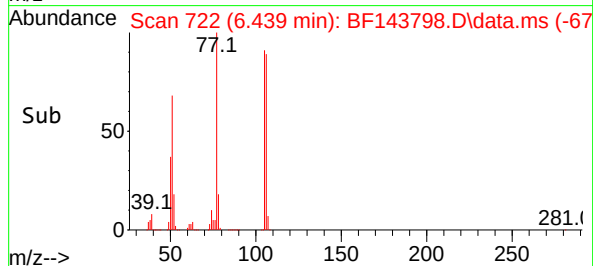
106 89.5 69.8 109.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#10

Phenol

Concen: 70.793 ng m

RT: 6.528 min Scan# 737

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

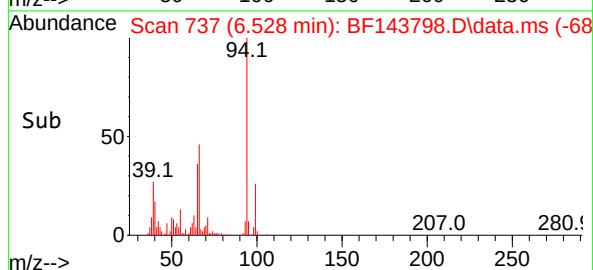
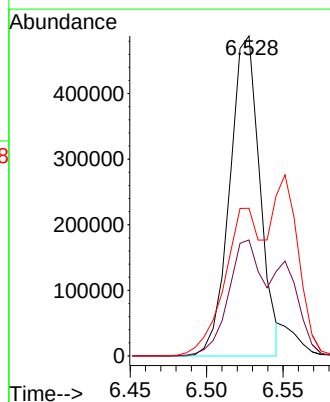
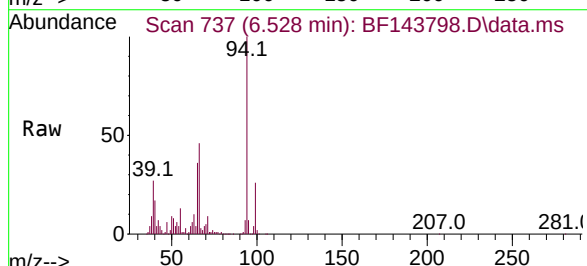
Tgt Ion: 94 Resp: 668000

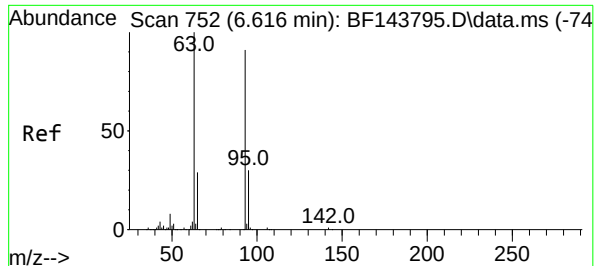
Ion Ratio Lower Upper

94 100

65 36.2 14.2 54.2

66 46.1 24.1 64.1





#11

bis(2-Chloroethyl)ether

Concen: 71.386 ng

RT: 6.622 min Scan# 753

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 93 Resp: 528015

Ion Ratio Lower Upper

93 100

63 113.8 89.2 129.2

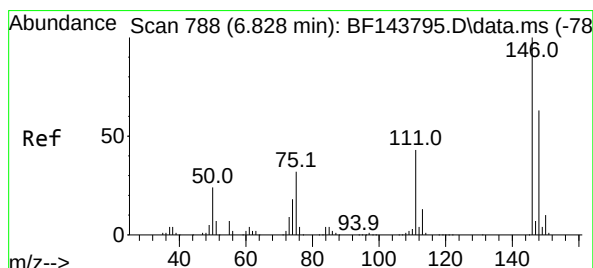
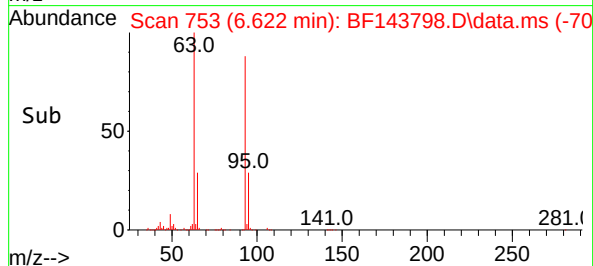
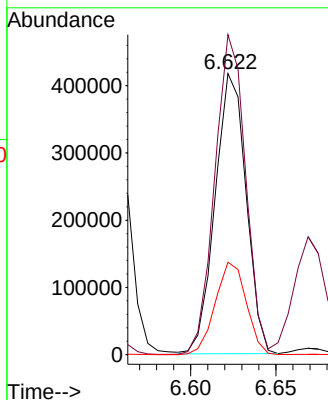
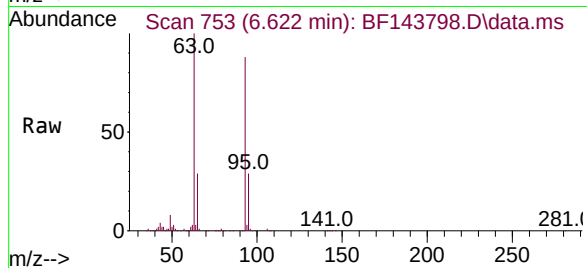
95 32.9 12.9 52.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#12

1,3-Dichlorobenzene

Concen: 70.893 ng

RT: 6.828 min Scan# 788

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

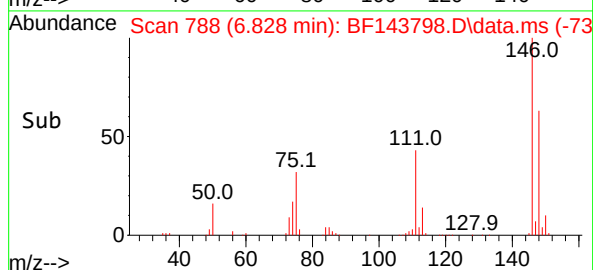
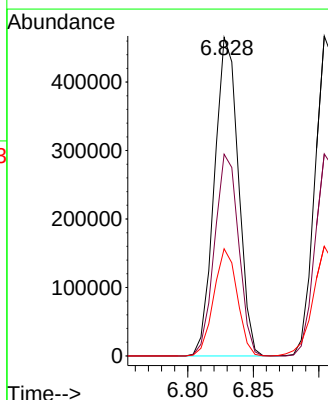
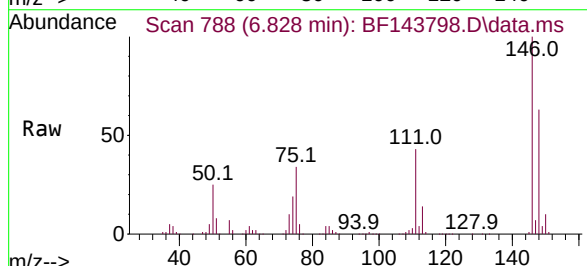
Tgt Ion:146 Resp: 592035

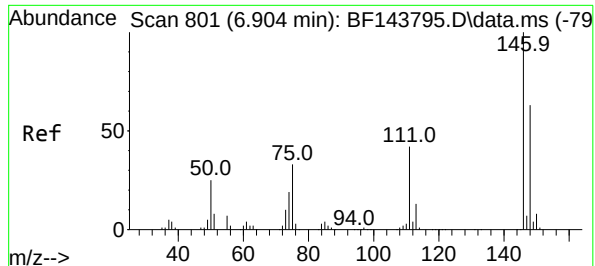
Ion Ratio Lower Upper

146 100

148 63.3 50.4 75.6

75 33.6 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 70.485 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 587436

Ion Ratio Lower Upper

146 100

148 63.1 50.7 76.1

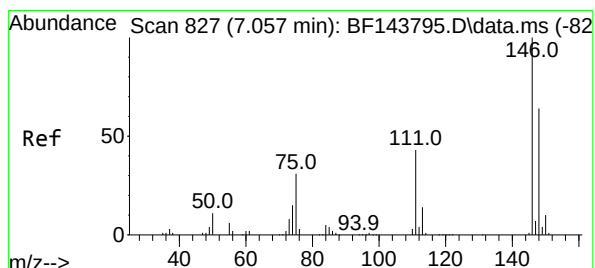
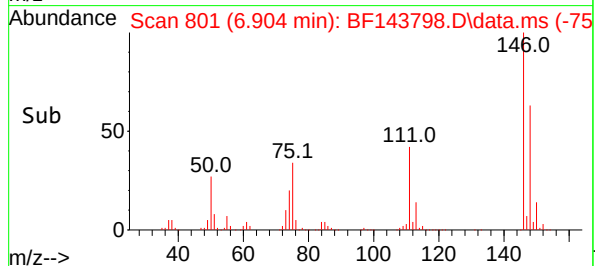
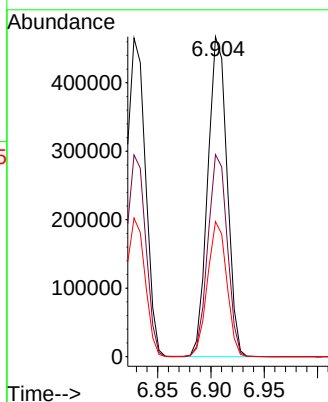
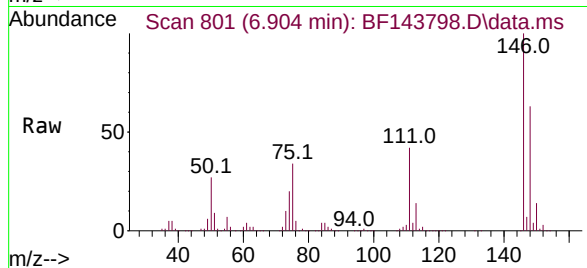
111 42.2 33.4 50.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#14

1,2-Dichlorobenzene

Concen: 70.268 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

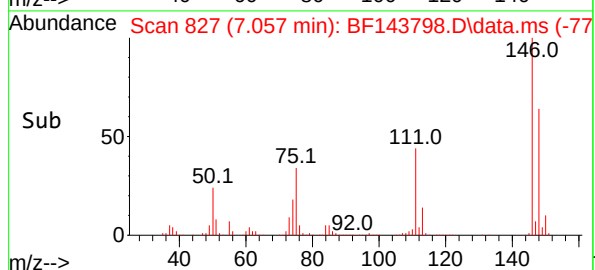
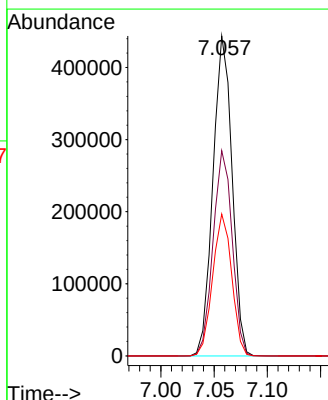
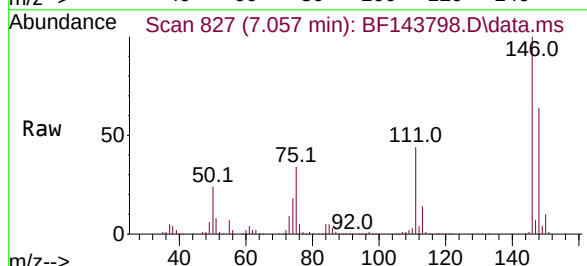
Tgt Ion:146 Resp: 554647

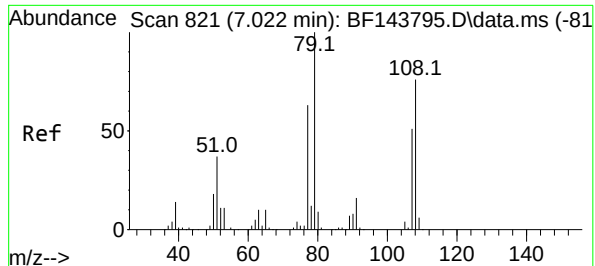
Ion Ratio Lower Upper

146 100

148 64.1 51.1 76.7

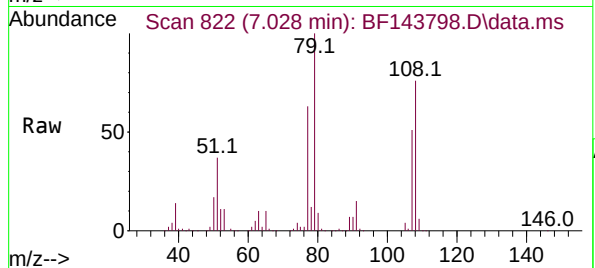
111 44.3 34.3 51.5





#15
Benzyl Alcohol
Concen: 72.870 ng
RT: 7.028 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

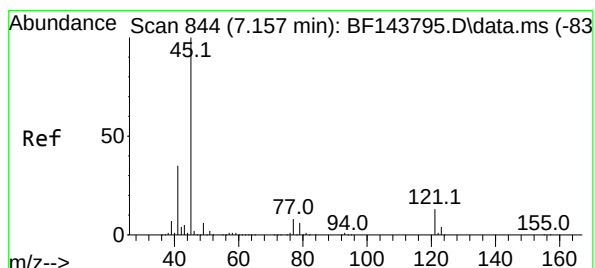
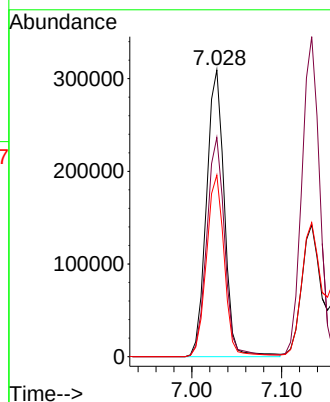
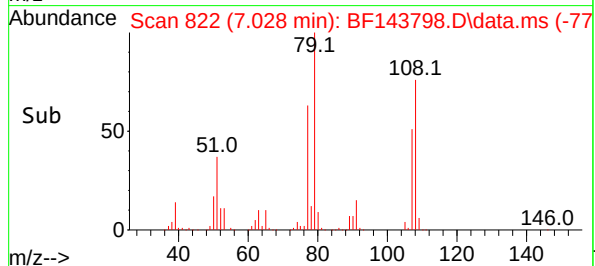
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 79 Resp: 427439
Ion Ratio Lower Upper
79 100
108 76.4 60.5 90.7
77 63.3 50.3 75.5

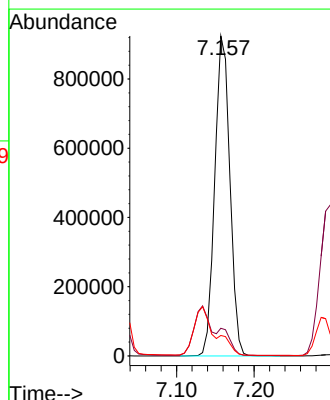
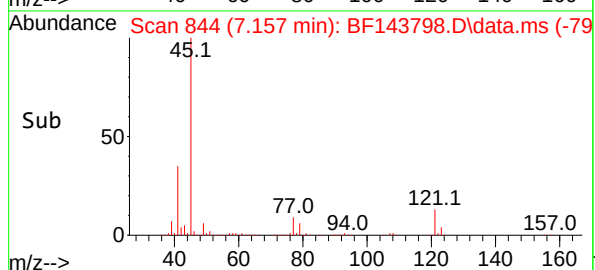
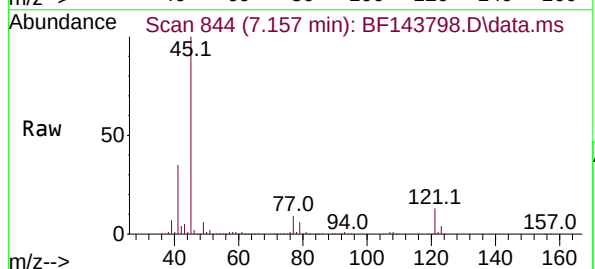
Manual Integrations
APPROVED

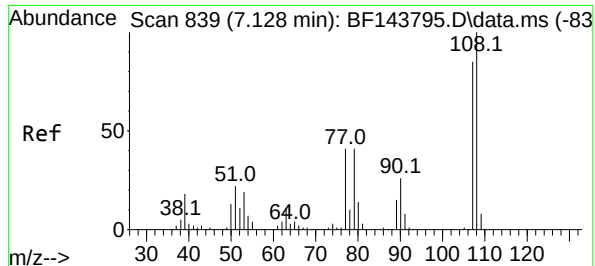
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.282 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Tgt Ion: 45 Resp: 1250239
Ion Ratio Lower Upper
45 100
77 8.6 0.0 28.5
79 6.4 0.0 26.3





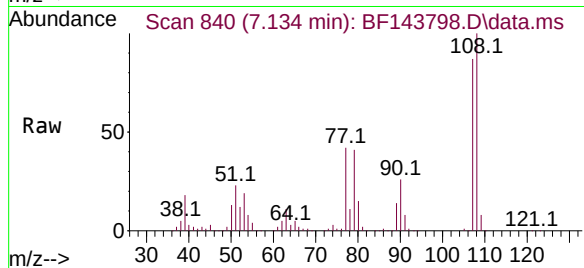
#17
2-Methylphenol
Concen: 72.168 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

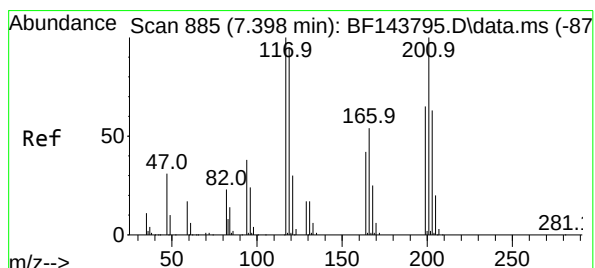
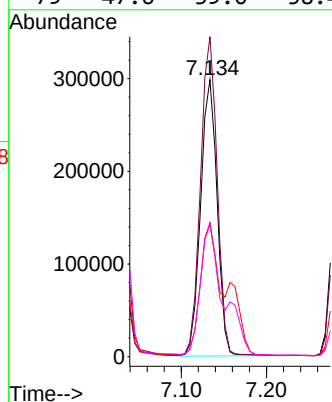
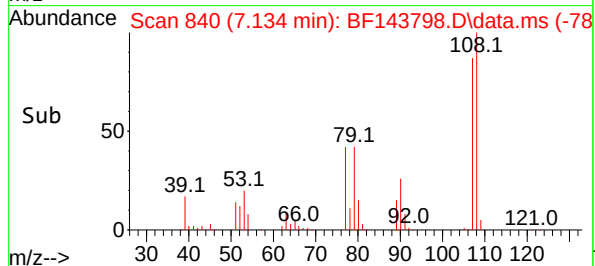


Tgt Ion	Ratio	Lower	Upper
107	100		
108	115.6	94.2	141.4
77	48.4	38.6	58.0
79	47.6	39.0	58.4

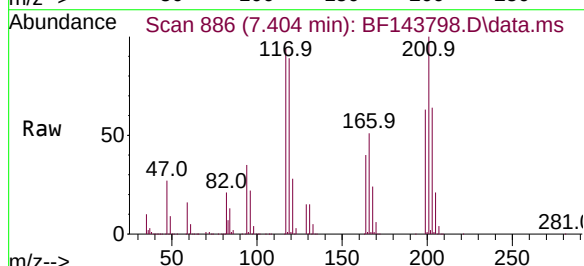
Manual Integrations

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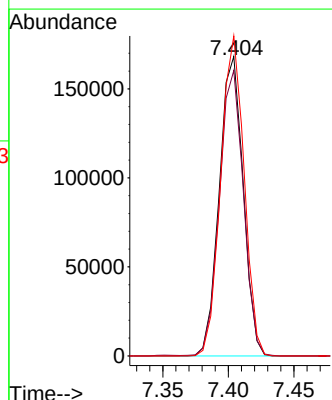
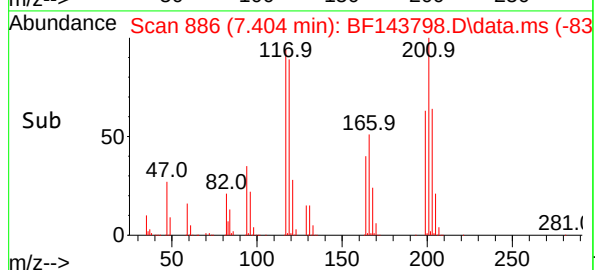
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

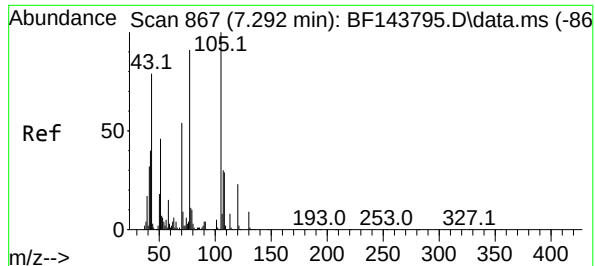


#18
Hexachloroethane
Concen: 72.909 ng
RT: 7.404 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27



Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.2
201	106.8	79.7	119.5





#19

n-Nitroso-di-n-propylamine

Concen: 66.866 ng

RT: 7.304 min Scan# 869

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 349063

Ion Ratio Lower Upper

70 100

42 75.3 59.4 89.0

101 8.8 7.1 10.7

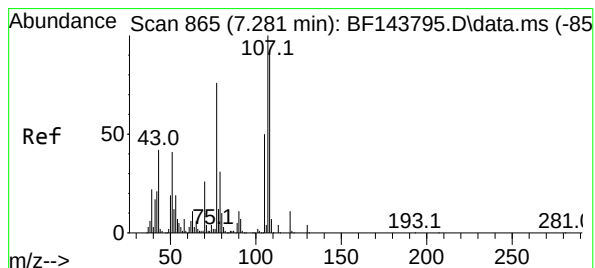
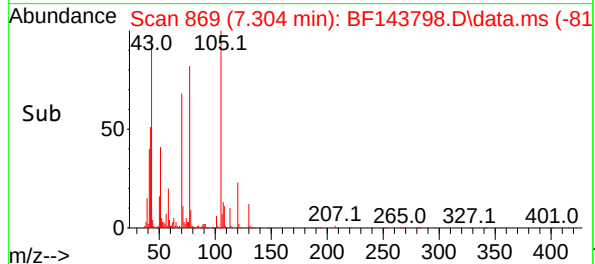
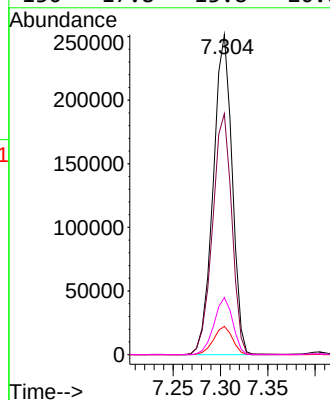
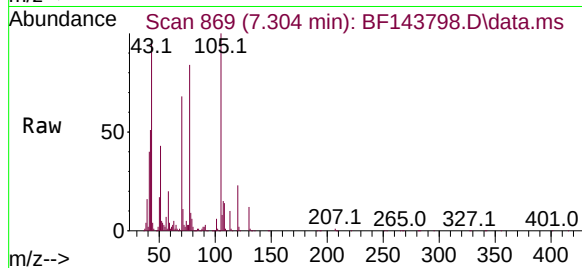
130 17.8 13.8 20.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#20

3+4-Methylphenols

Concen: 68.853 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Tgt Ion:107 Resp: 466916

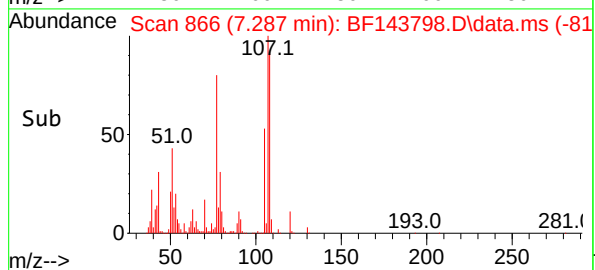
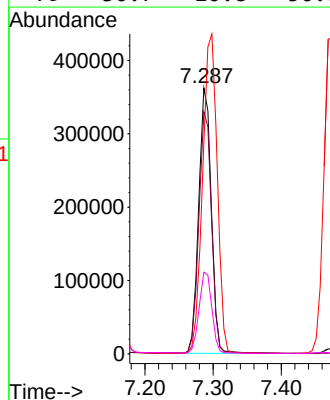
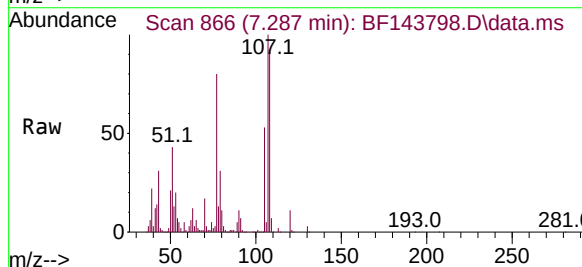
Ion Ratio Lower Upper

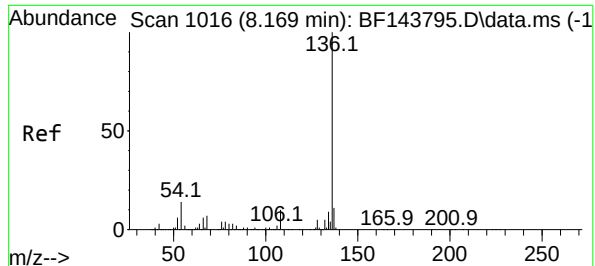
107 100

108 91.1 72.5 112.5

77 79.6 56.2 96.2

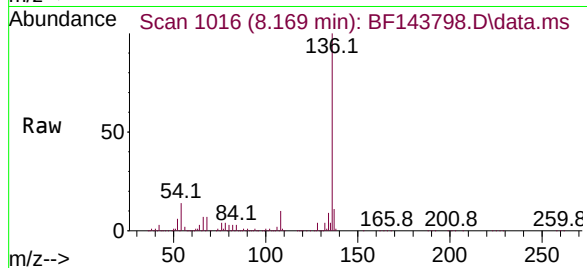
79 30.7 10.8 50.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

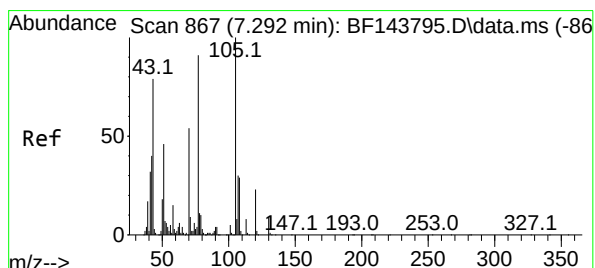
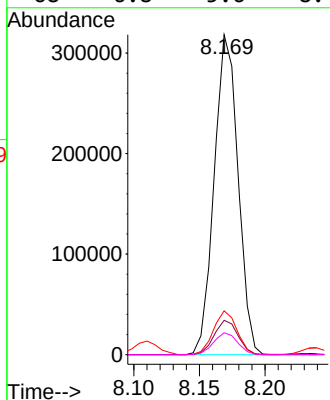
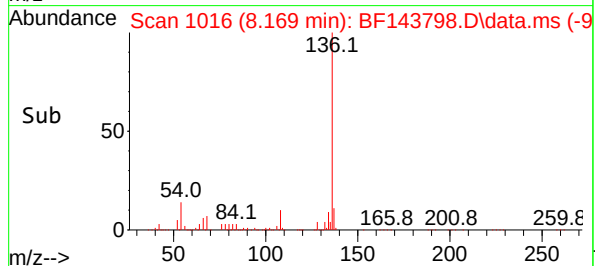
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:136 Resp: 403092
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 13.7 11.2 16.8
68 6.8 5.6 8.4

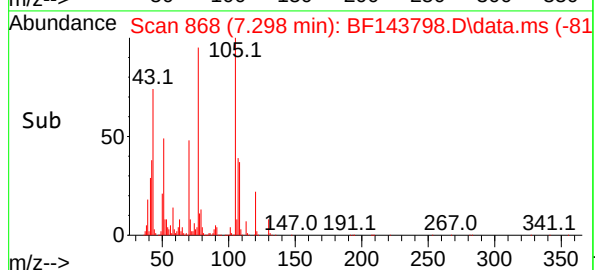
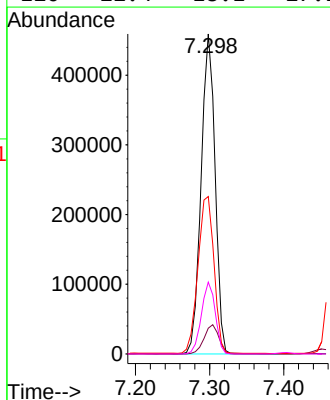
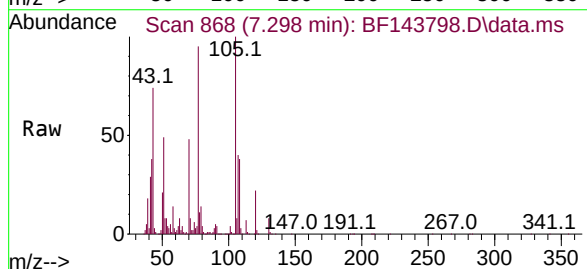
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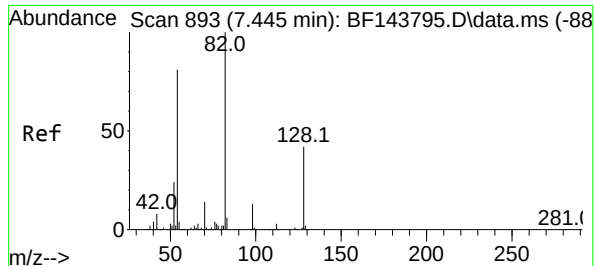
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#22
Acetophenone
Concen: 67.955 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

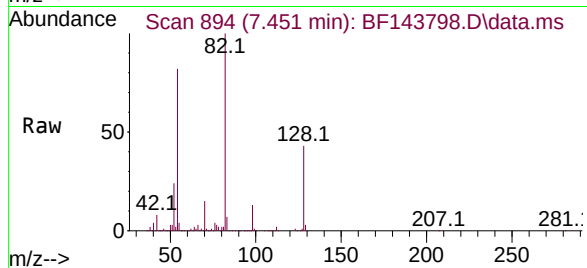
Tgt Ion:105 Resp: 601642
Ion Ratio Lower Upper
105 100
71 8.0 7.0 10.4
51 49.2 36.6 55.0
120 22.4 18.1 27.1





#23
Nitrobenzene-d5
Concen: 154.839 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

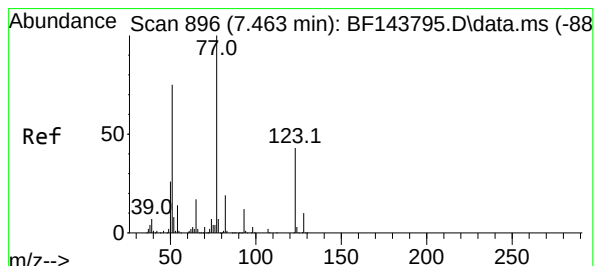
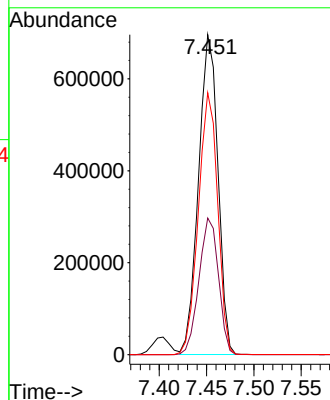
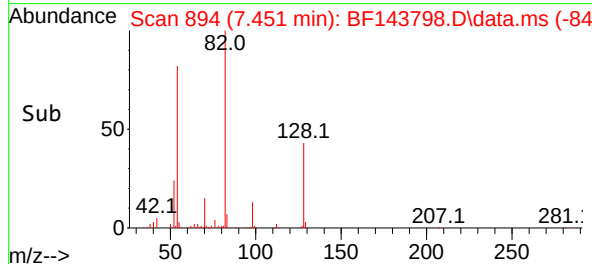
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 82 Resp: 991785
Ion Ratio Lower Upper
82 100
128 42.7 33.3 49.9
54 81.8 64.2 96.4

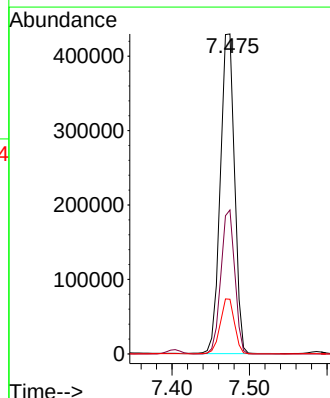
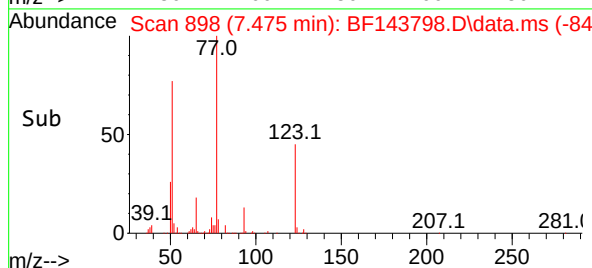
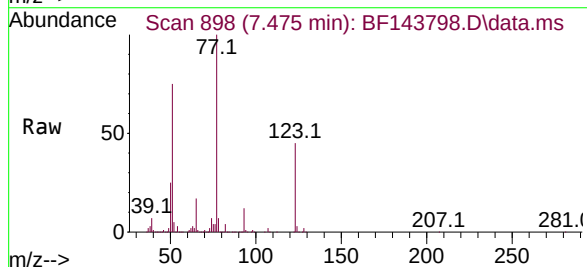
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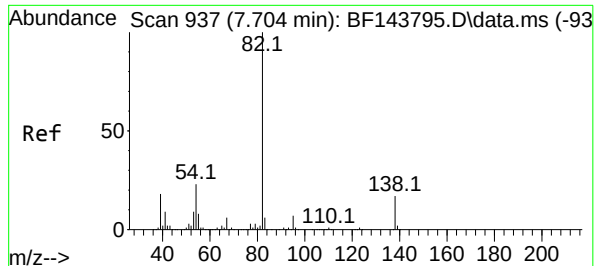
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#24
Nitrobenzene
Concen: 75.655 ng
RT: 7.475 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Tgt Ion: 77 Resp: 552229
Ion Ratio Lower Upper
77 100
123 45.0 34.0 51.0
65 17.1 13.5 20.3





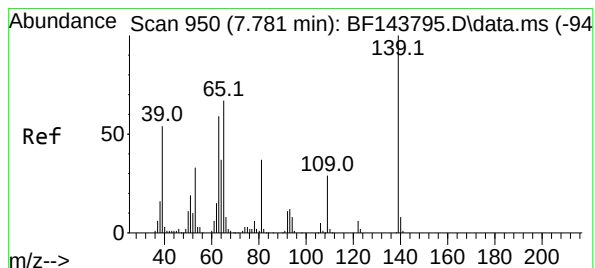
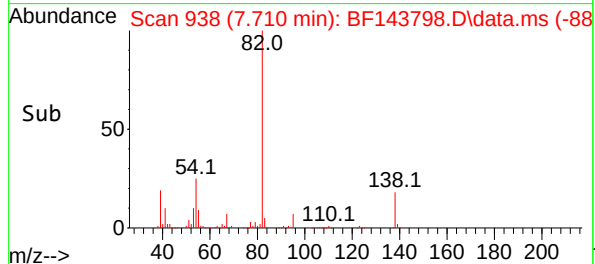
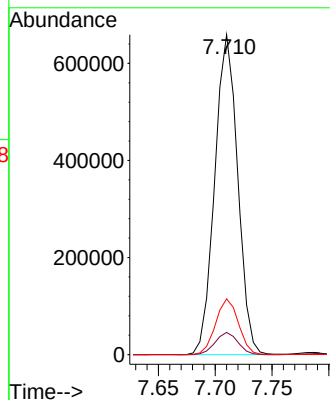
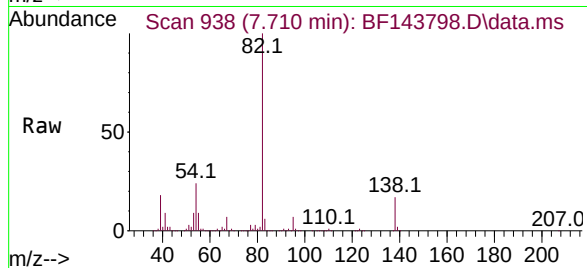
#25
Isophorone
Concen: 72.232 ng
RT: 7.710 min Scan# 937
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 926928
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.2
138 17.5 13.7 20.5

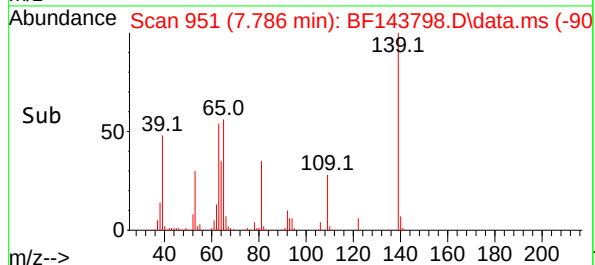
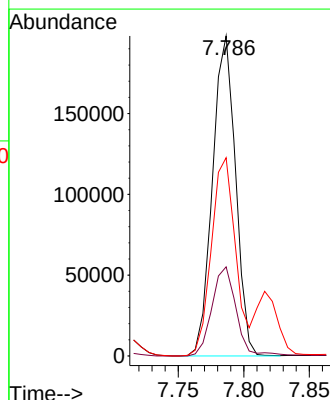
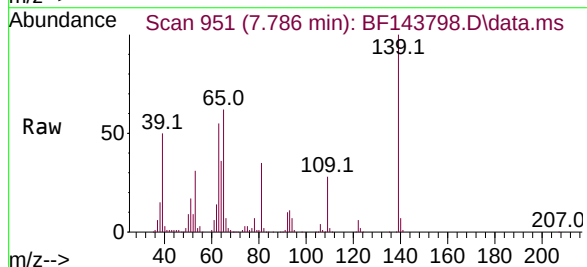
Manual Integrations
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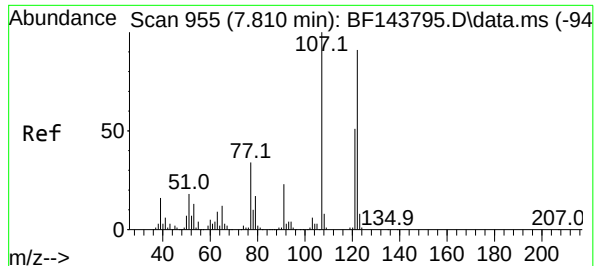
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#26
2-Nitrophenol
Concen: 78.881 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Tgt Ion:139 Resp: 241928
Ion Ratio Lower Upper
139 100
109 27.8 23.3 34.9
65 61.9 53.8 80.6





#27

2,4-Dimethylphenol

Concen: 73.324 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 420564

Ion Ratio Lower Upper

122 100

107 110.3 87.5 131.3

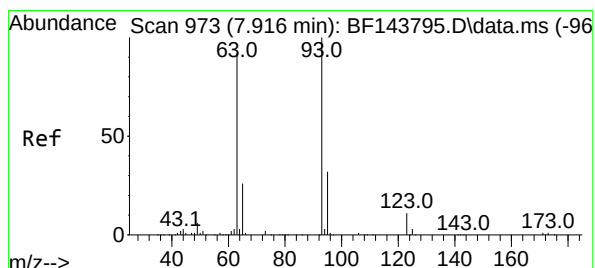
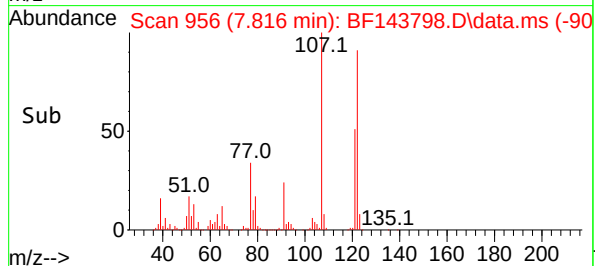
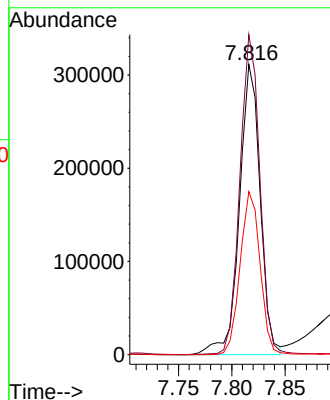
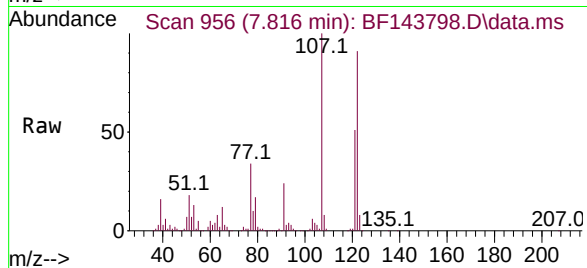
121 56.1 44.2 66.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#28

bis(2-Chloroethoxy)methane

Concen: 69.544 ng

RT: 7.916 min Scan# 973

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

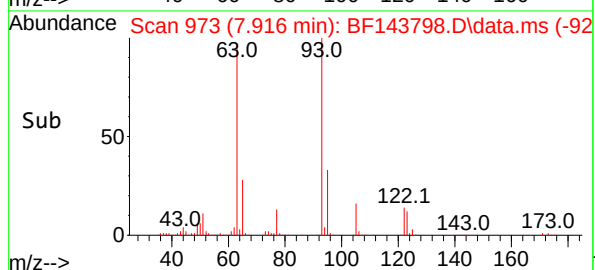
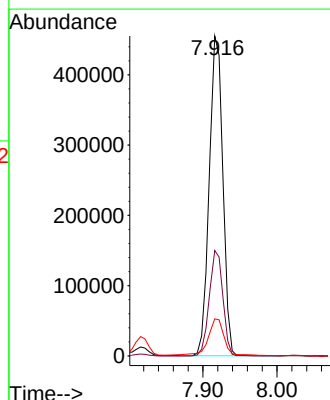
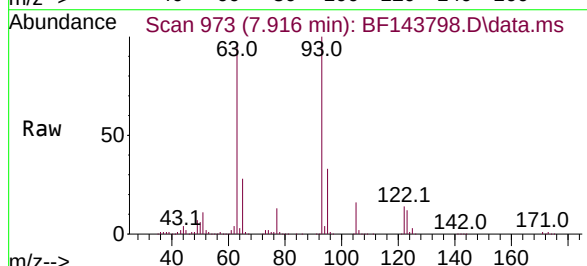
Tgt Ion: 93 Resp: 579809

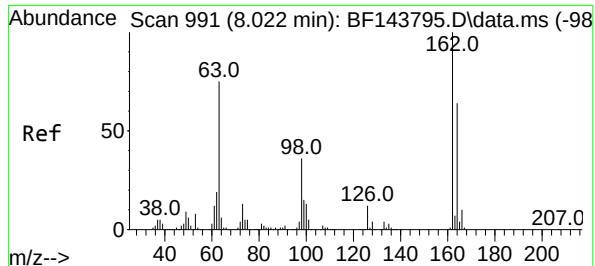
Ion Ratio Lower Upper

93 100

95 32.9 25.8 38.8

123 11.6 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 74.200 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 418769

Ion Ratio Lower Upper

162 100

164 63.2 44.1 84.1

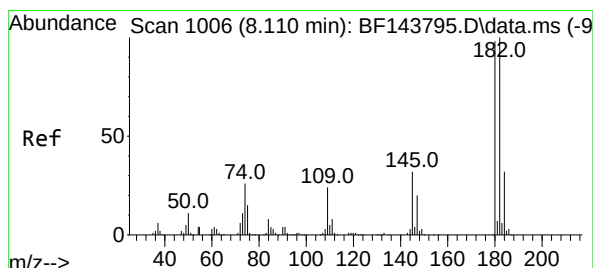
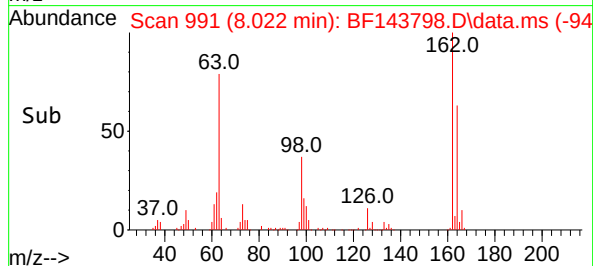
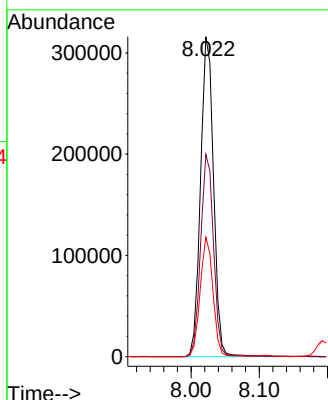
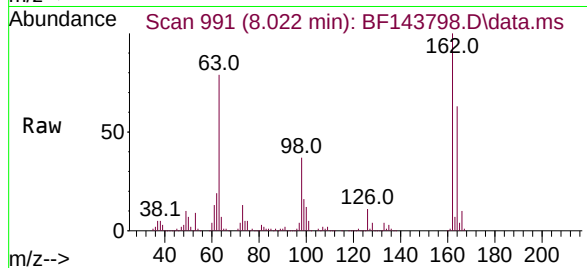
98 37.3 15.8 55.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#30

1,2,4-Trichlorobenzene

Concen: 72.784 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

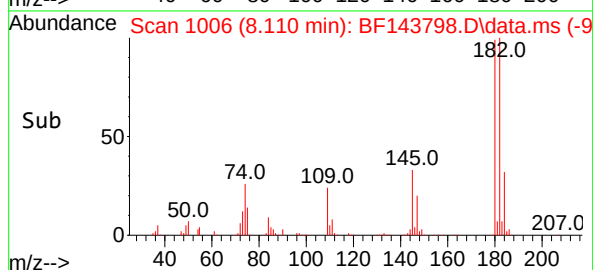
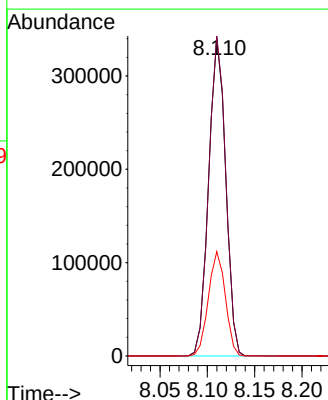
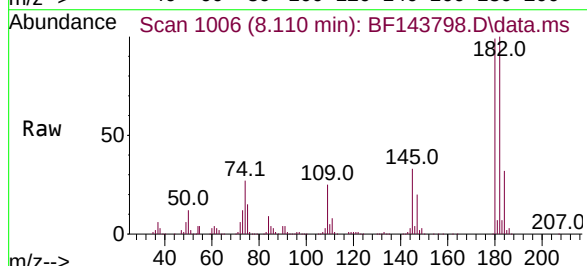
Tgt Ion:180 Resp: 426294

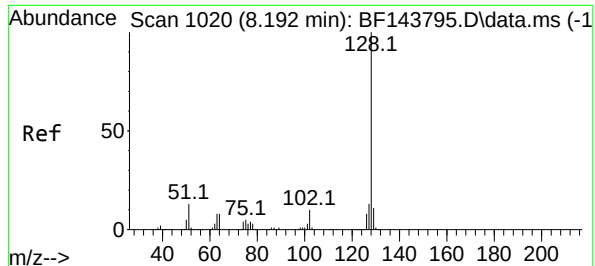
Ion Ratio Lower Upper

180 100

182 100.7 82.0 123.0

145 32.8 25.9 38.9





#31

Naphthalene

Concen: 68.985 ng

RT: 8.192 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:128 Resp: 1331192

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

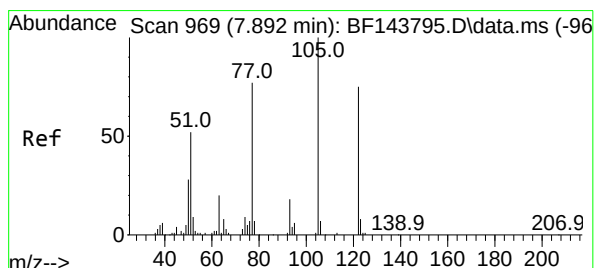
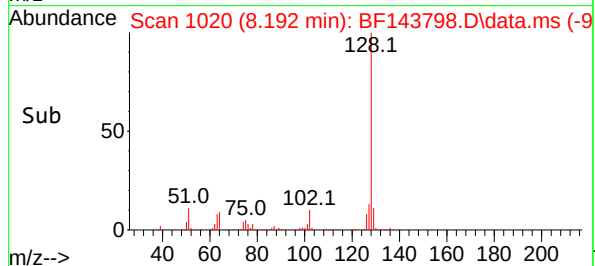
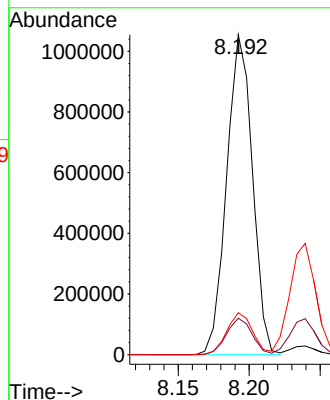
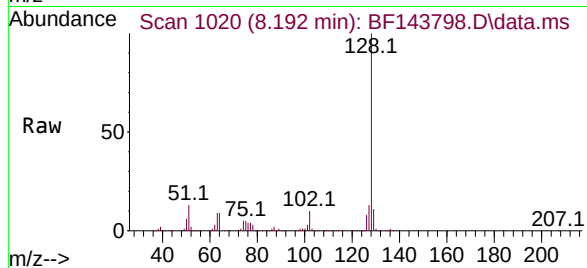
127 13.1 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#32

Benzoic acid

Concen: 93.800 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

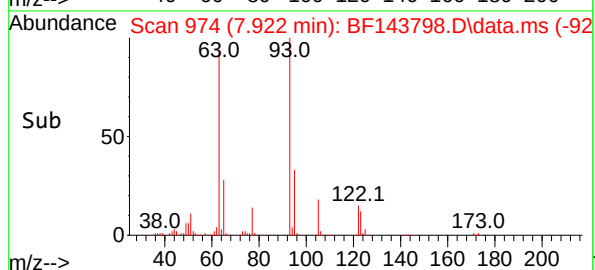
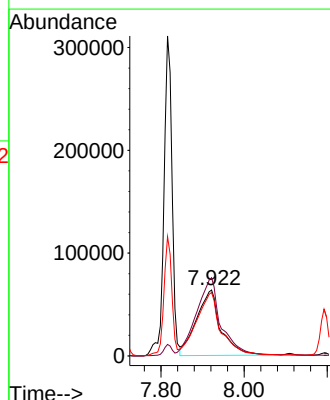
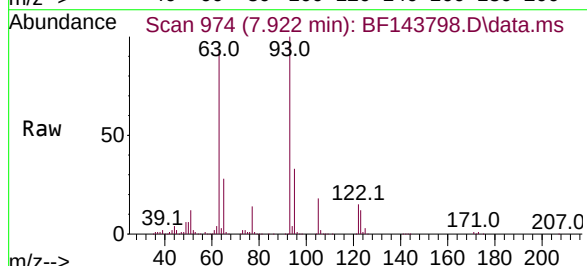
Tgt Ion:122 Resp: 259578

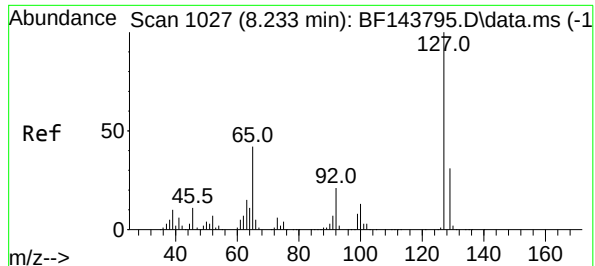
Ion Ratio Lower Upper

122 100

105 118.7 103.7 143.7

77 96.1 78.8 118.8





#33

4-Chloroaniline

Concen: 70.124 ng

RT: 8.239 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:127 Resp: 475524

Ion Ratio Lower Upper

127 100

129 32.3 25.4 38.2

65 42.2 33.4 50.2

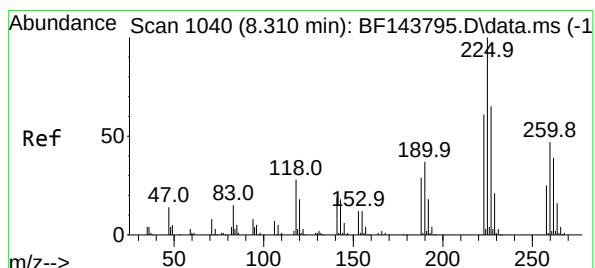
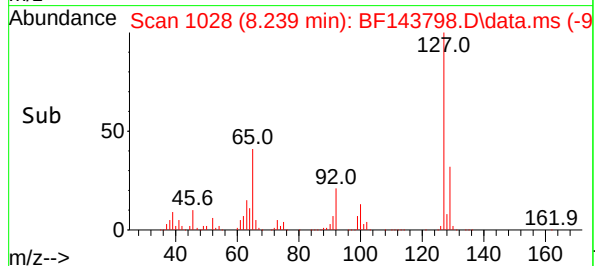
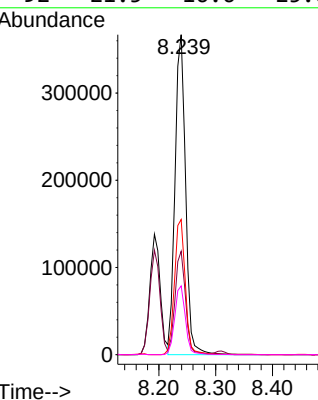
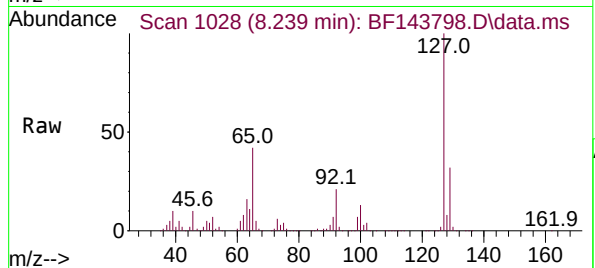
92 21.5 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#34

Hexachlorobutadiene

Concen: 73.390 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

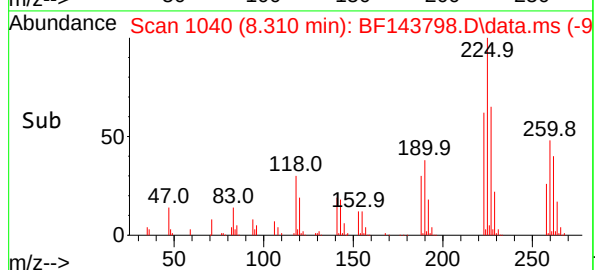
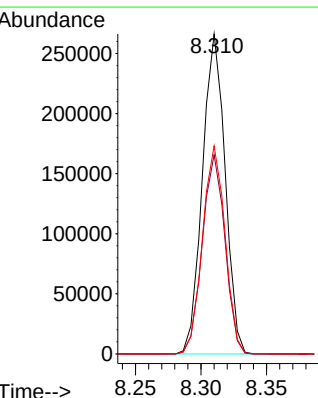
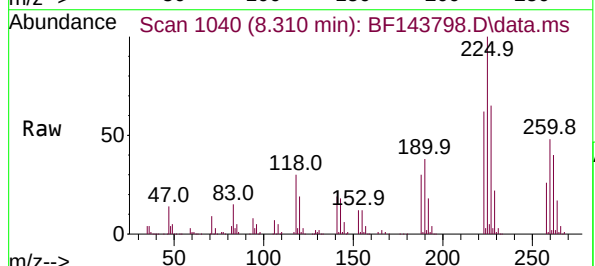
Tgt Ion:225 Resp: 320435

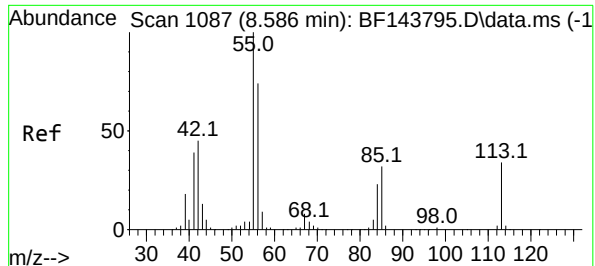
Ion Ratio Lower Upper

225 100

223 62.2 48.6 72.8

227 65.0 51.9 77.9





#35

Caprolactam

Concen: 78.007 ng

RT: 8.610 min Scan# 1087

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:113 Resp: 112528

Ion Ratio Lower Upper

113 100

55 288.2 271.7 311.7

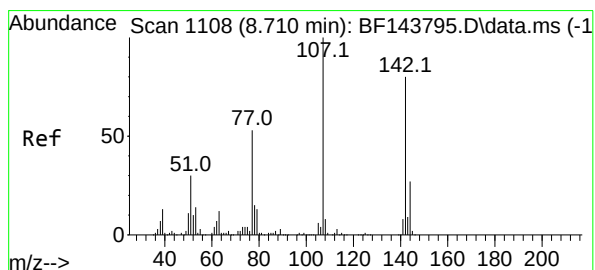
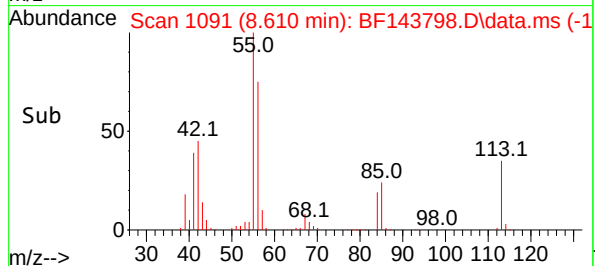
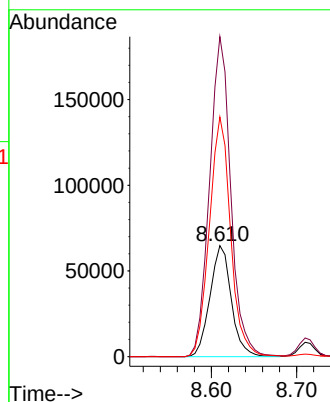
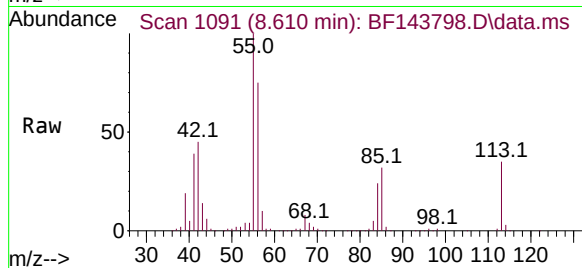
56 215.8 194.5 234.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#36

4-Chloro-3-methylphenol

Concen: 72.398 ng

RT: 8.710 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

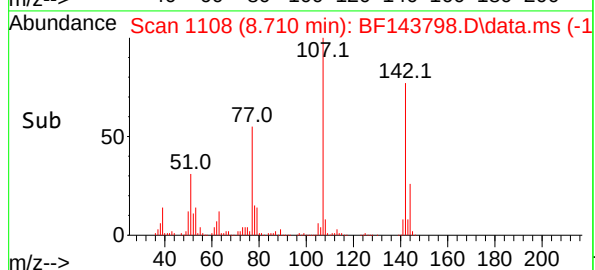
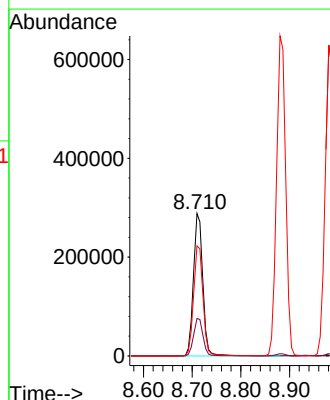
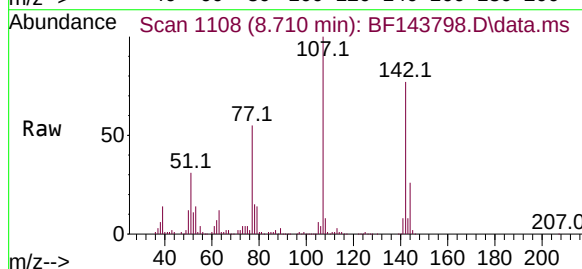
Tgt Ion:107 Resp: 383212

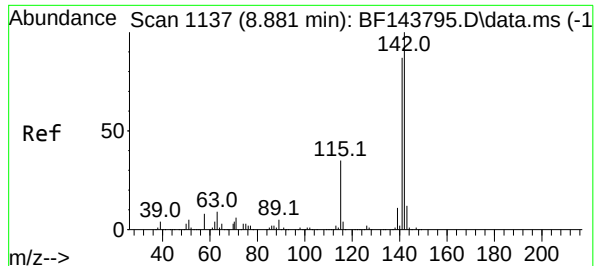
Ion Ratio Lower Upper

107 100

144 26.3 21.8 32.8

142 77.3 63.6 95.4





#37

2-Methylnaphthalene

Concen: 68.255 ng

RT: 8.881 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:142 Resp: 839849

Ion Ratio Lower Upper

142 100

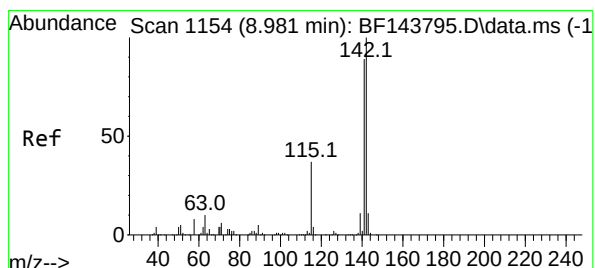
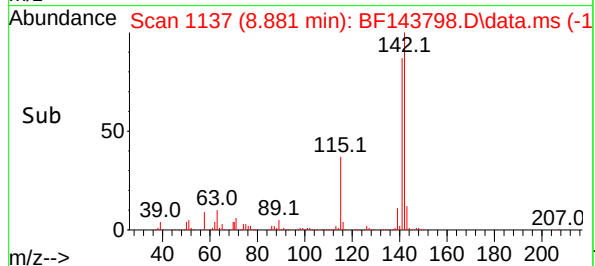
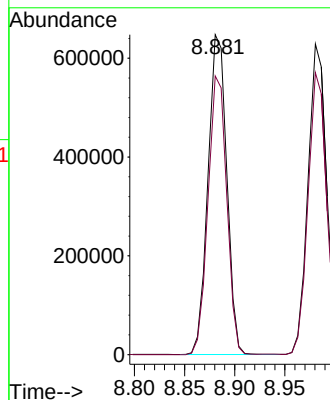
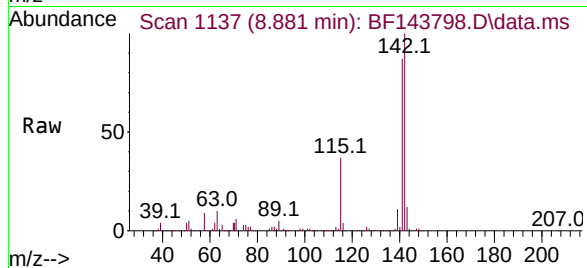
141 87.1 69.4 104.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#38

1-Methylnaphthalene

Concen: 67.842 ng

RT: 8.981 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF143798.D

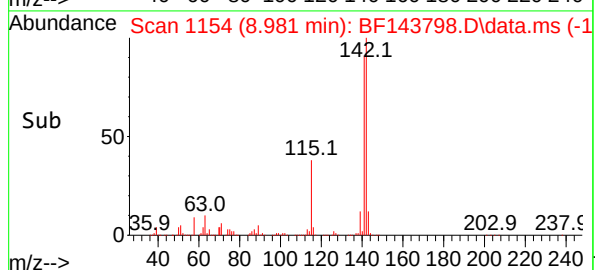
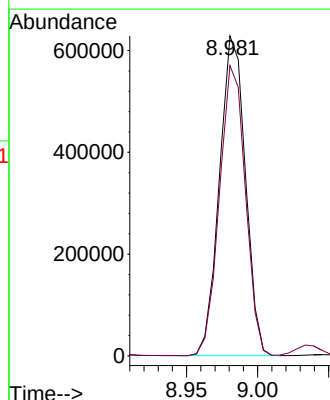
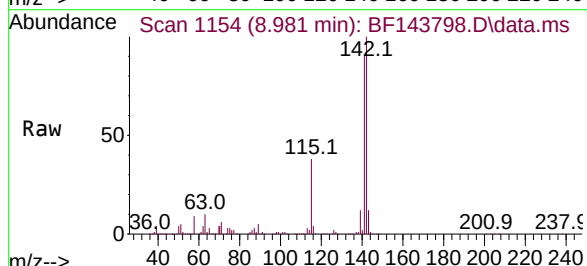
Acq: 23 Sep 2025 15:27

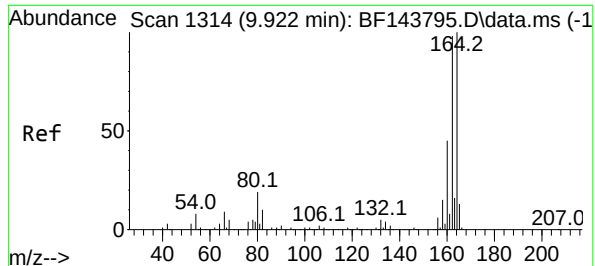
Tgt Ion:142 Resp: 799000

Ion Ratio Lower Upper

142 100

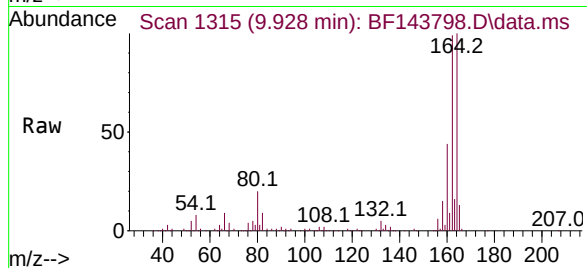
141 90.7 71.1 106.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1314
Delta R.T. -0.001 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

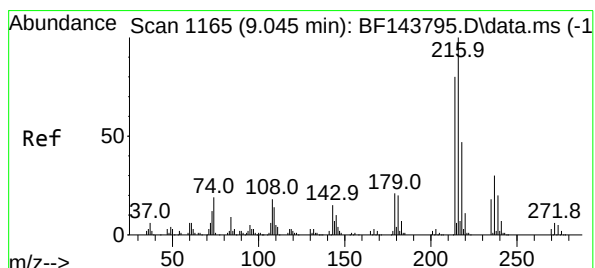
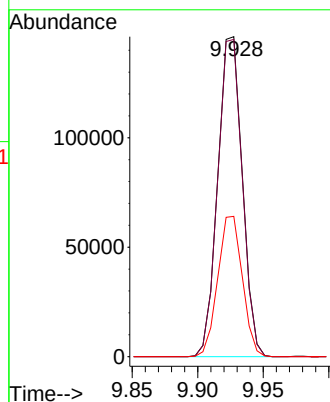
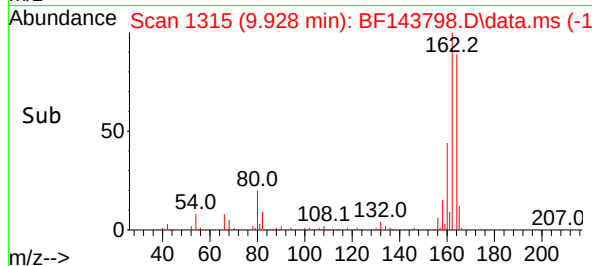
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



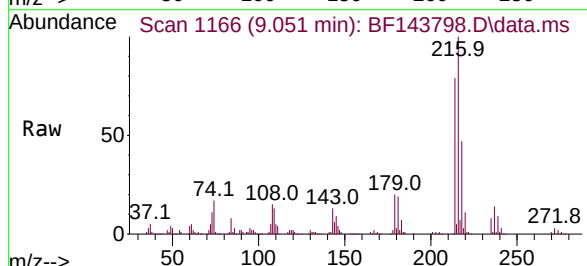
Tgt Ion:164 Resp: 191047
Ion Ratio Lower Upper
164 100
162 99.1 78.8 118.2
160 43.8 35.8 53.6

Manual Integrations
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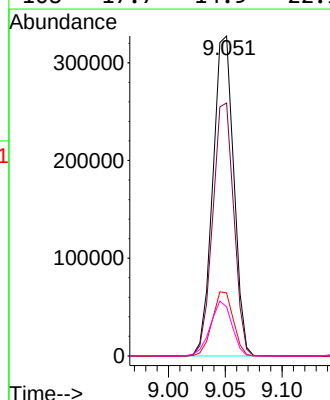
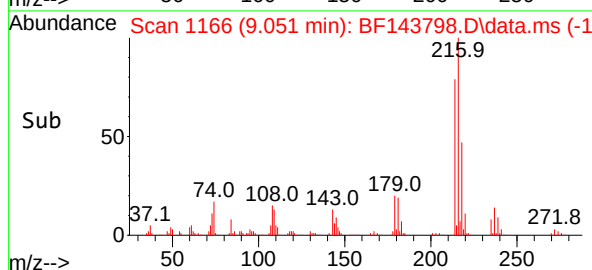
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

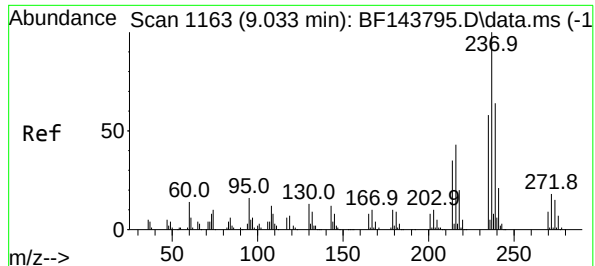


#40
1,2,4,5-Tetrachlorobenzene
Concen: 72.811 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27



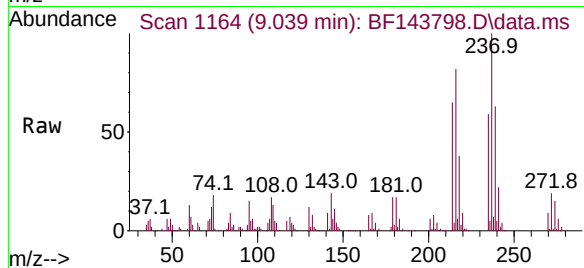
Tgt Ion:216 Resp: 419788
Ion Ratio Lower Upper
216 100
214 79.3 63.7 95.5
179 20.0 16.5 24.7
108 17.7 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 80.945 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

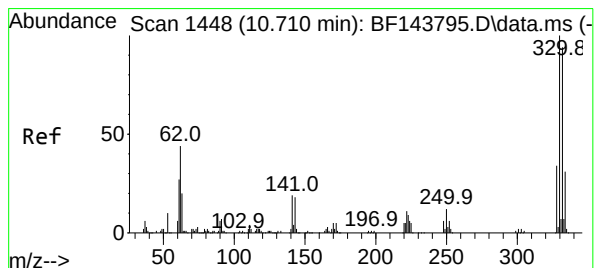
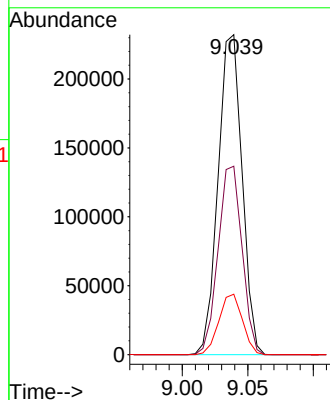
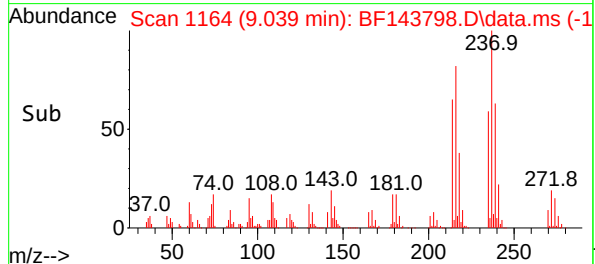
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



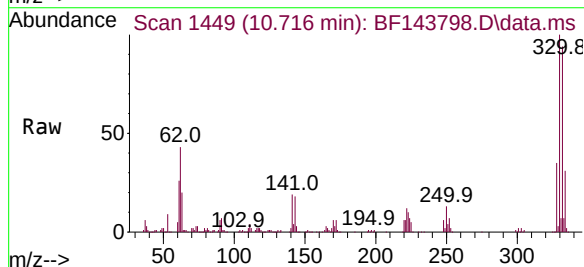
Tgt Ion: 237 Resp: 295776
Ion Ratio Lower Upper
237 100
235 58.9 38.1 78.1
272 18.9 0.0 37.9

Manual Integrations
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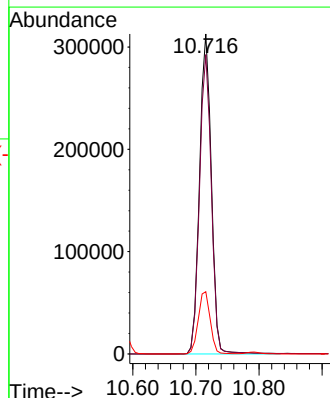
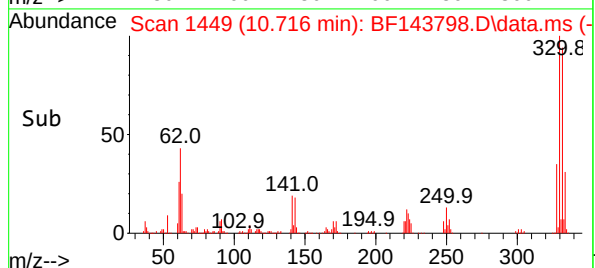
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

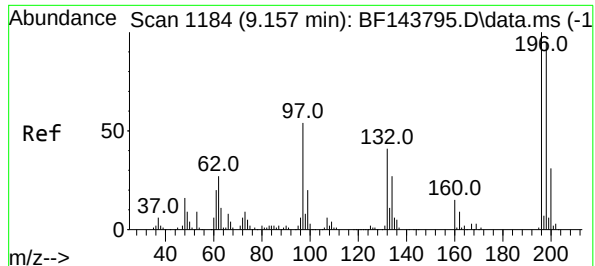


#42
2,4,6-Tribromophenol
Concen: 149.081 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27



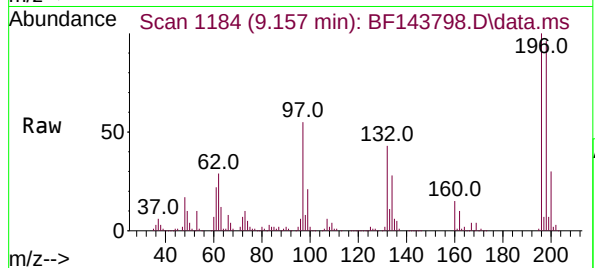
Tgt Ion: 330 Resp: 406469
Ion Ratio Lower Upper
330 100
332 94.3 74.7 112.1
141 19.7 14.3 21.5





#43
2,4,6-Trichlorophenol
Concen: 77.279 ng
RT: 9.157 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

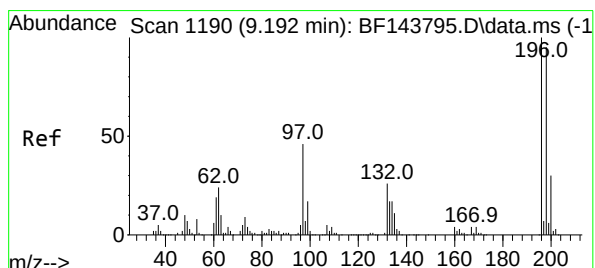
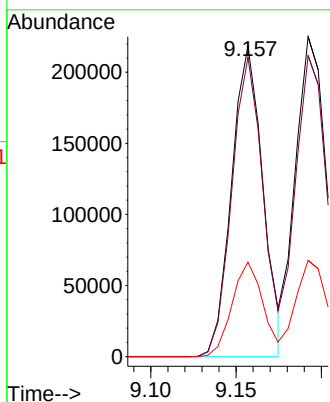
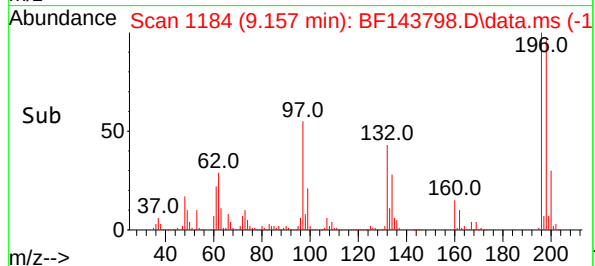
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:196 Resp: 278988
Ion Ratio Lower Upper
196 100
198 96.3 76.2 114.2
200 30.4 24.7 37.1

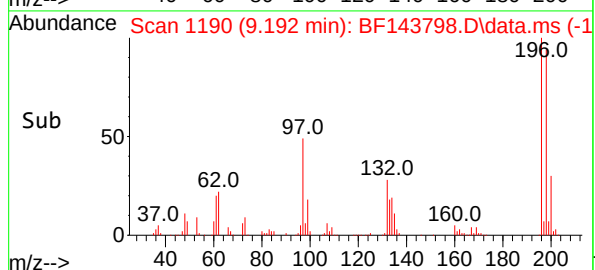
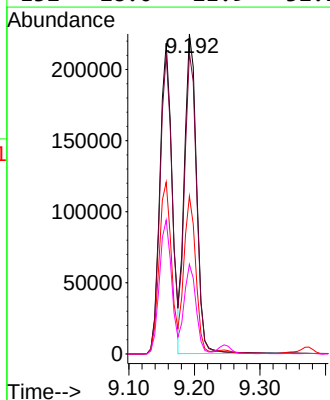
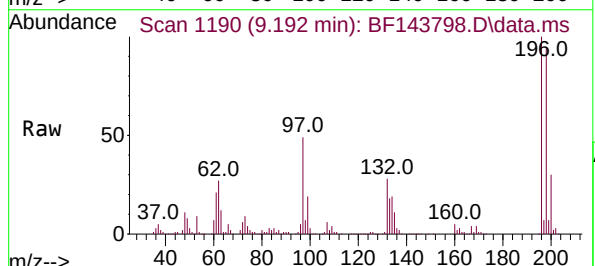
Manual Integrations
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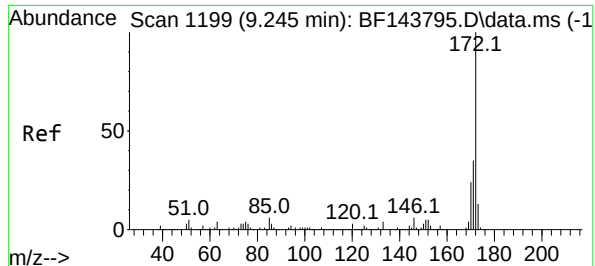
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#44
2,4,5-Trichlorophenol
Concen: 77.179 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Tgt Ion:196 Resp: 291440
Ion Ratio Lower Upper
196 100
198 94.0 75.9 113.9
97 49.3 38.3 57.5
132 28.0 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 129.595 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143798.D

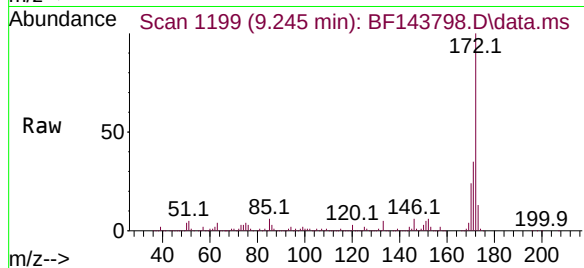
Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:172 Resp: 1675409

Ion Ratio Lower Upper

172 100

171 35.3 27.9 41.9

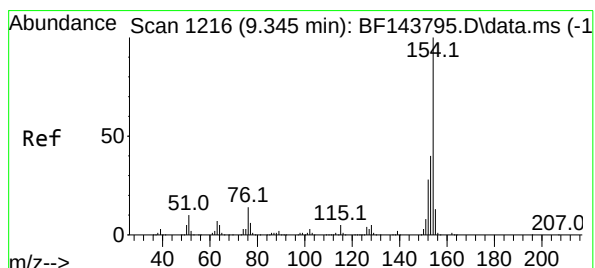
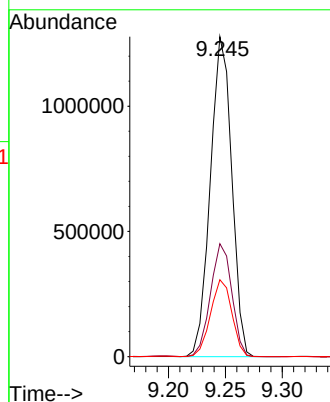
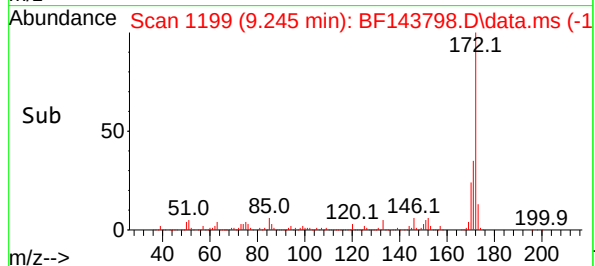
170 24.0 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#46

1,1'-Biphenyl

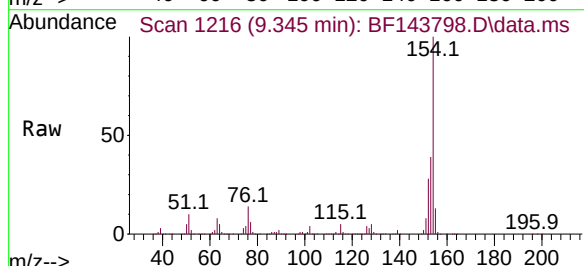
Concen: 70.127 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27



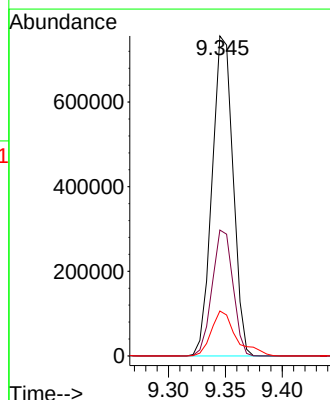
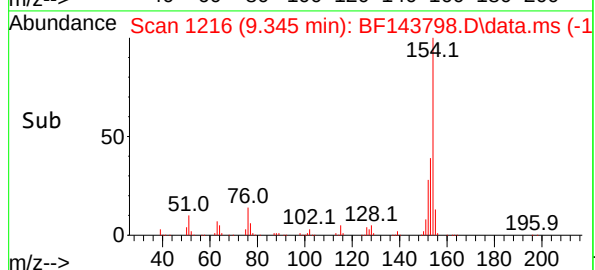
Tgt Ion:154 Resp: 969811

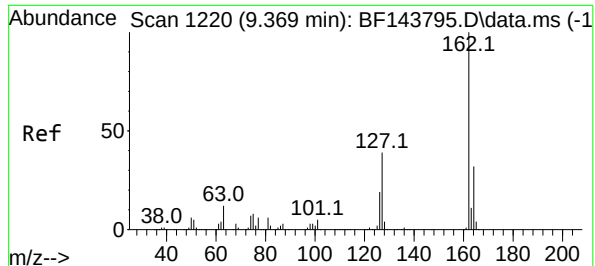
Ion Ratio Lower Upper

154 100

153 39.3 19.7 59.7

76 14.0 0.0 33.8





#47

2-Chloronaphthalene

Concen: 71.150 ng

RT: 9.375 min Scan# 1221

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 792043

Ion Ratio Lower Upper

162 100

127 39.2 31.5 47.3

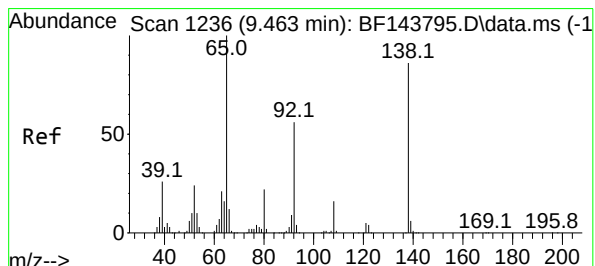
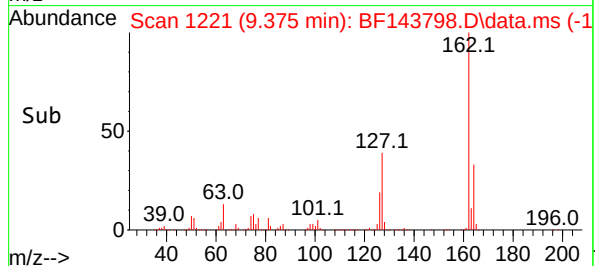
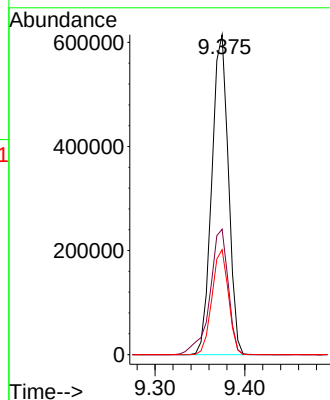
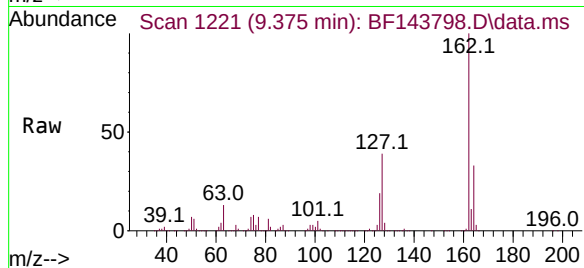
164 32.8 25.9 38.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#48

2-Nitroaniline

Concen: 87.616 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

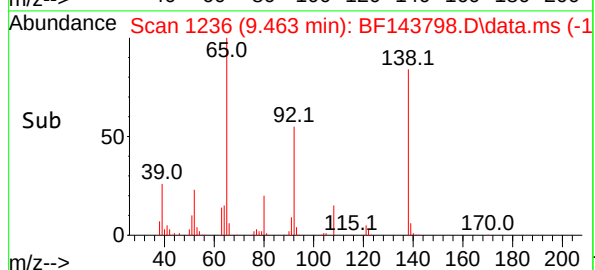
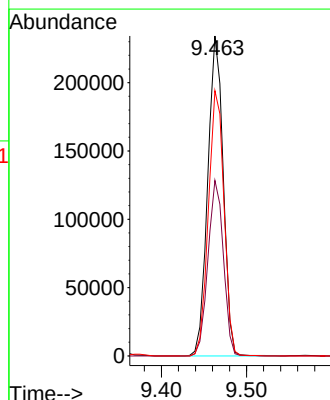
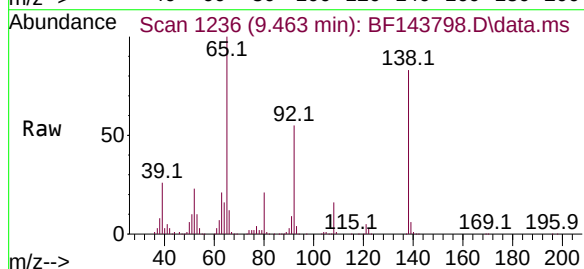
Tgt Ion: 65 Resp: 294783

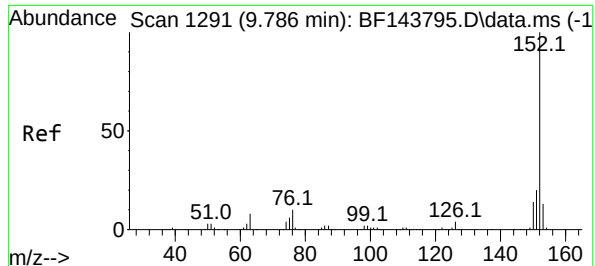
Ion Ratio Lower Upper

65 100

92 54.8 44.9 67.3

138 82.9 69.0 103.4





#49

Acenaphthylene

Concen: 71.813 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143798.D

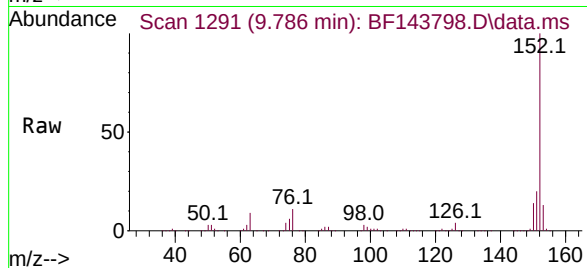
Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:152 Resp: 1100520

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

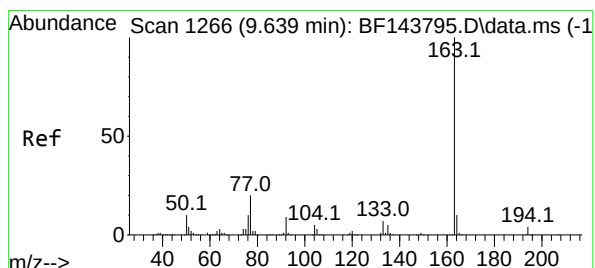
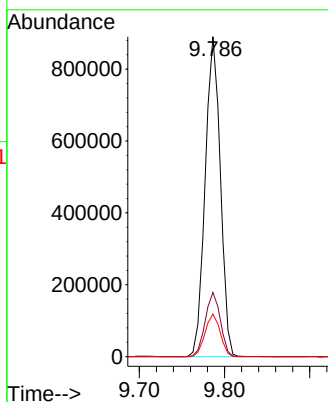
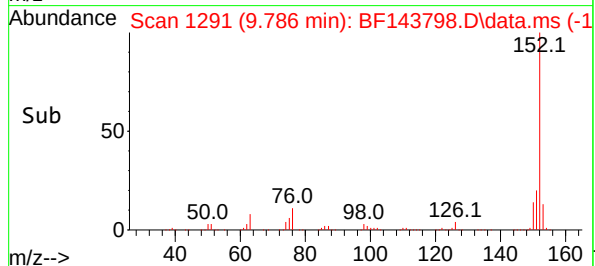
153 13.3 10.6 15.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#50

Dimethylphthalate

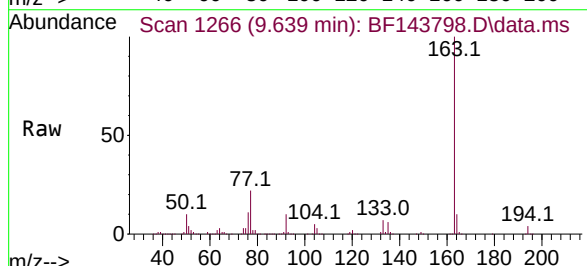
Concen: 73.652 ng

RT: 9.639 min Scan# 1266

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27



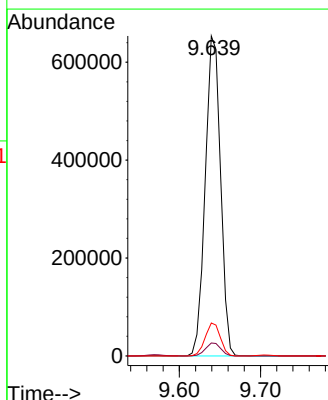
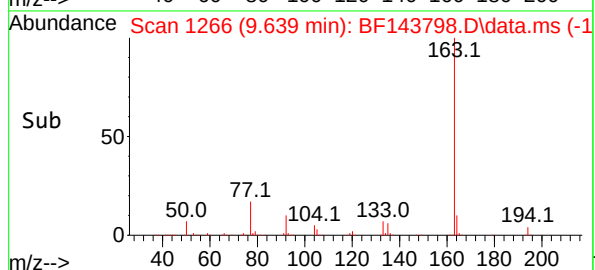
Tgt Ion:163 Resp: 857631

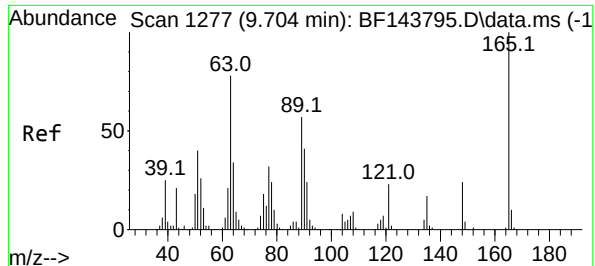
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

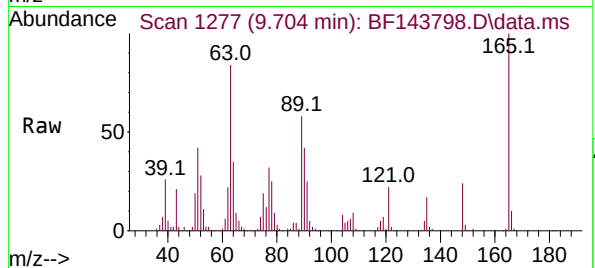
164 10.3 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 88.265 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

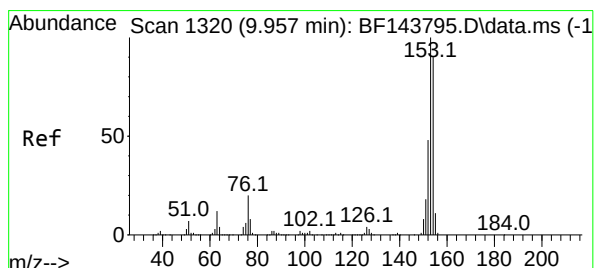
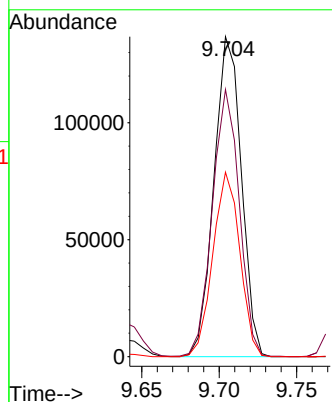
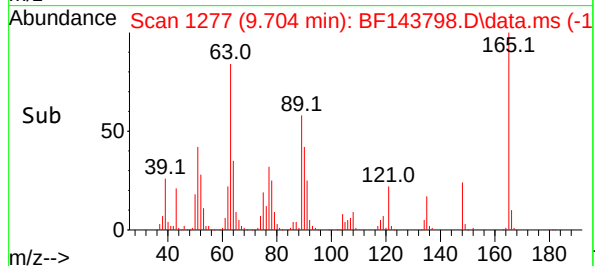
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 168866
Ion Ratio Lower Upper
165 100
63 83.5 62.6 94.0
89 57.6 45.2 67.8

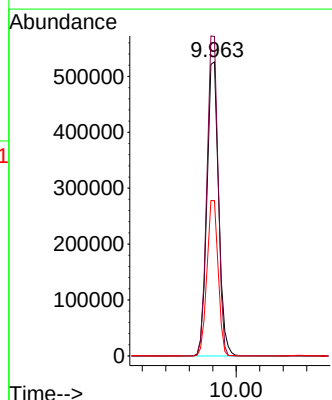
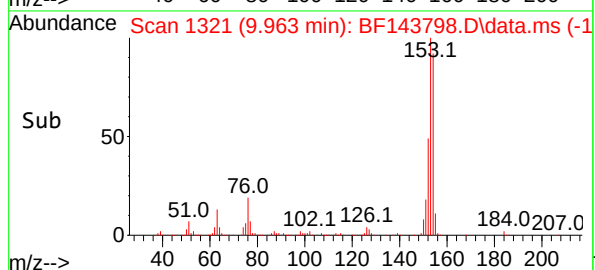
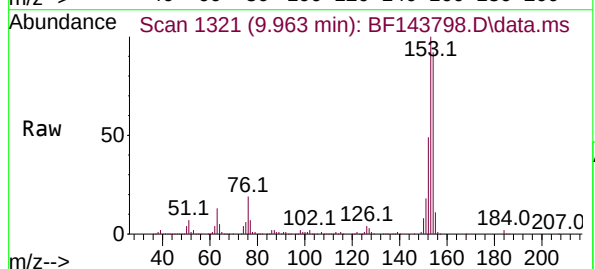
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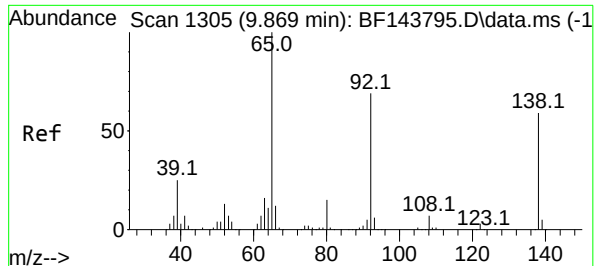
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#52
Acenaphthene
Concen: 72.181 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Tgt Ion:154 Resp: 727931
Ion Ratio Lower Upper
154 100
153 108.6 88.7 133.1
152 52.8 42.7 64.1





#53

3-Nitroaniline

Concen: 87.079 ng

RT: 9.875 min Scan# 1306

Delta R.T. 0.000 min

Lab File: BF143798.D

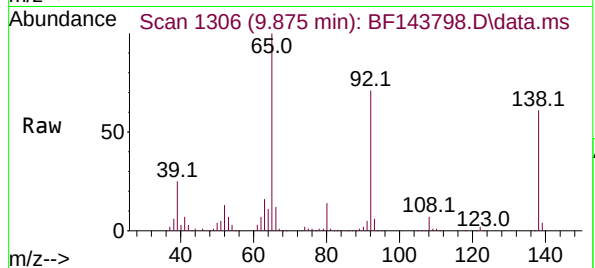
Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:138 Resp: 201936

Ion Ratio Lower Upper

138 100

108 11.0 9.9 14.9

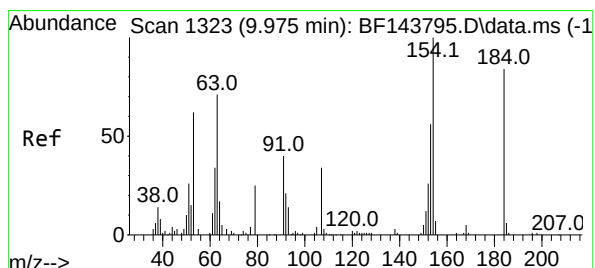
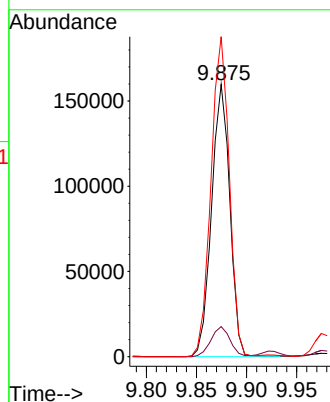
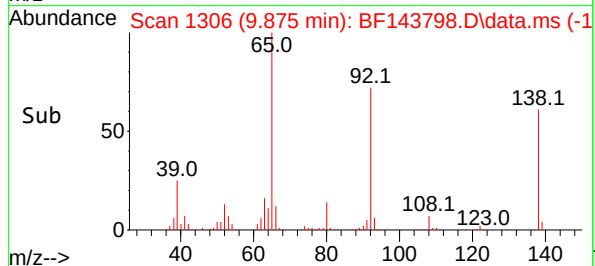
92 117.5 93.5 140.3

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#54

2,4-Dinitrophenol

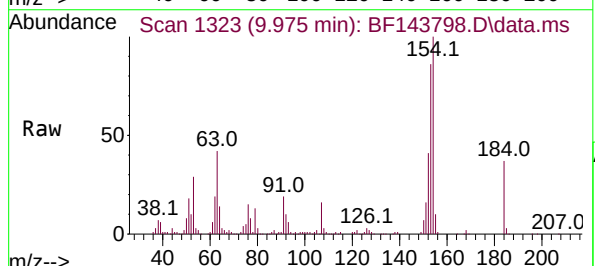
Concen: 79.097 ng

RT: 9.975 min Scan# 1323

Delta R.T. -0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27



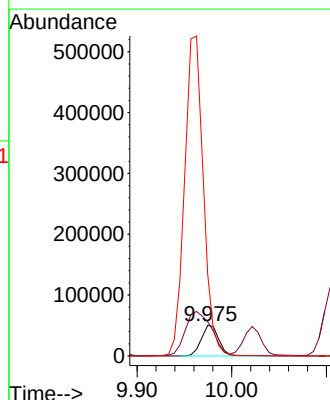
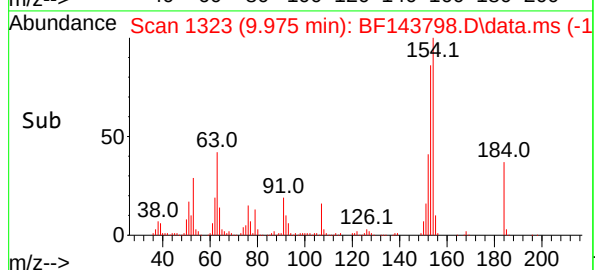
Tgt Ion:184 Resp: 64545

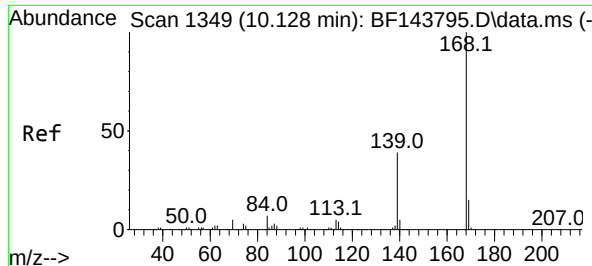
Ion Ratio Lower Upper

184 100

63 112.2 84.6 127.0

154 267.8 199.3 298.9





#55

Dibenzenofuran

Concen: 71.219 ng

RT: 10.133 min Scan# 1350

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:168 Resp: 101563

Ion Ratio Lower Upper

168 100

139 39.0 31.0 46.6

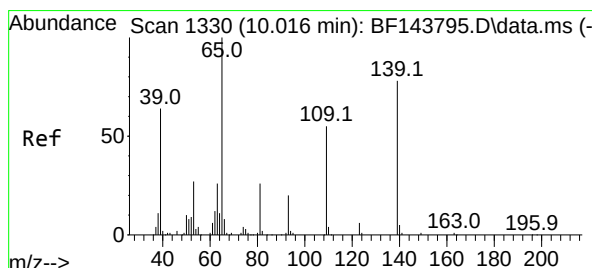
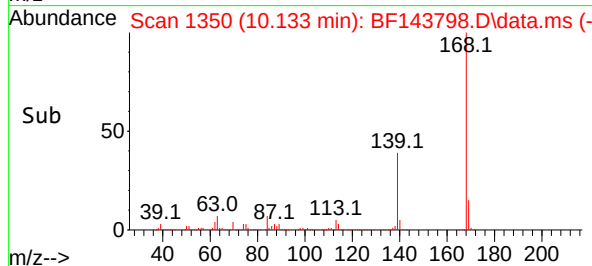
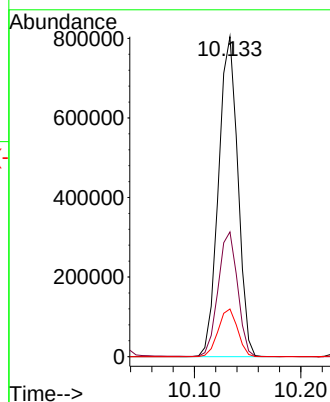
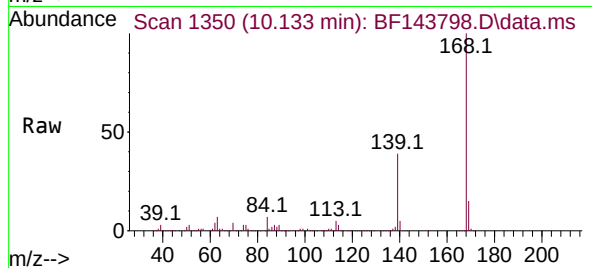
169 14.9 11.9 17.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#56

4-Nitrophenol

Concen: 85.785 ng

RT: 10.022 min Scan# 1331

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

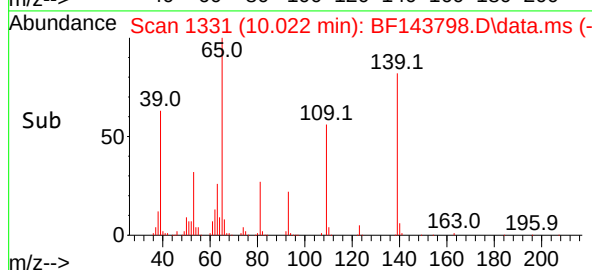
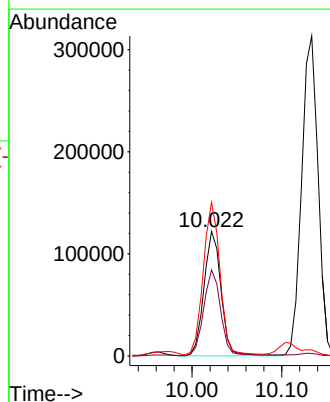
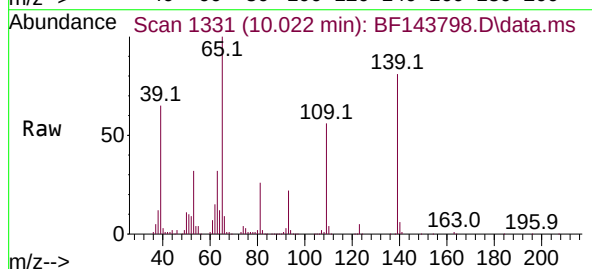
Tgt Ion:139 Resp: 160308

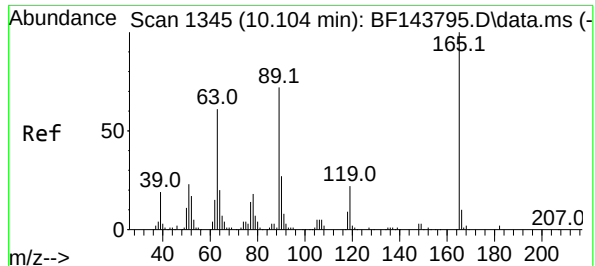
Ion Ratio Lower Upper

139 100

109 69.0 50.2 90.2

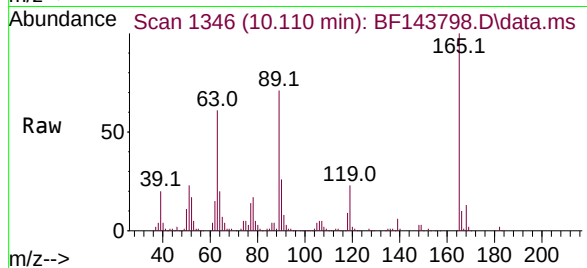
65 123.4 109.2 149.2





#57
2,4-Dinitrotoluene
Concen: 78.669 ng
RT: 10.110 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

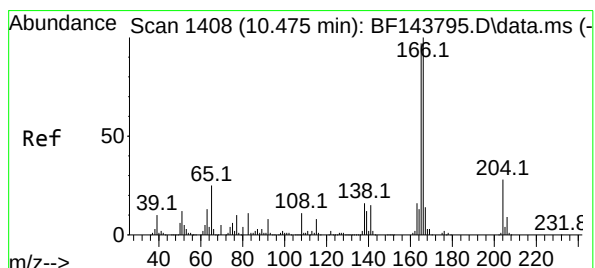
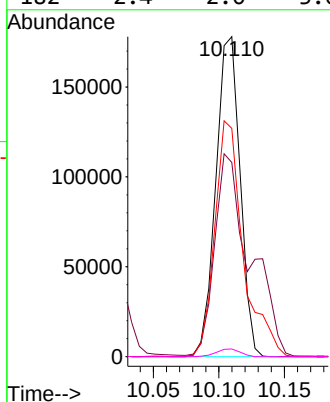
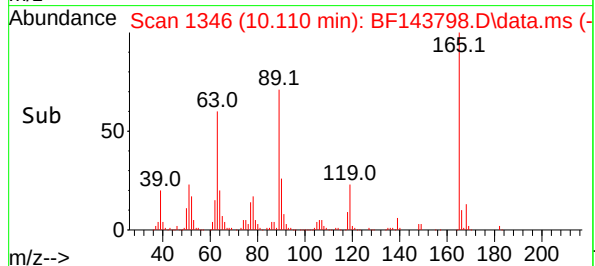
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



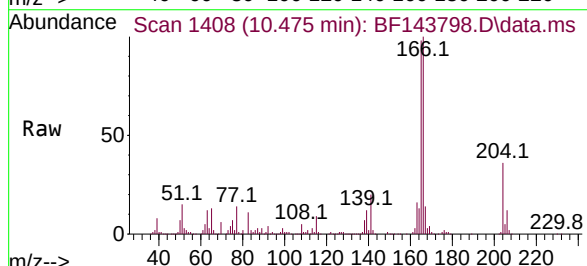
Tgt Ion:165 Resp: 229035
Ion Ratio Lower Upper
165 100
63 60.7 48.9 73.3
89 71.3 57.5 86.3
182 2.4 2.0 3.0

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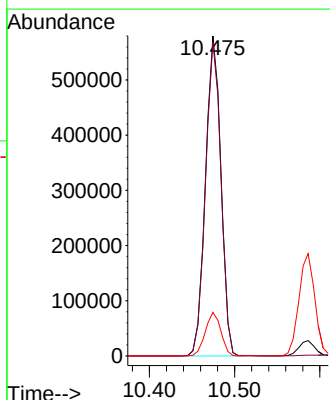
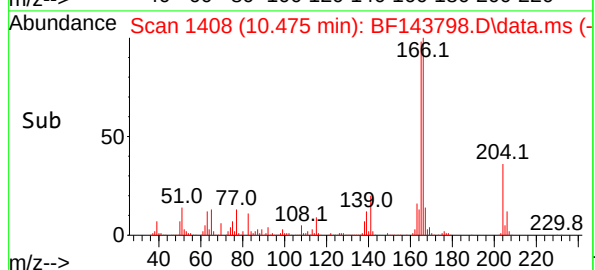
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

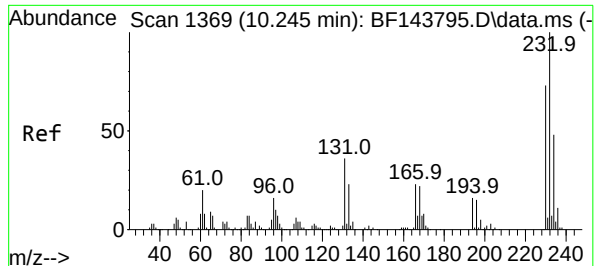


#58
Fluorene
Concen: 68.947 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27



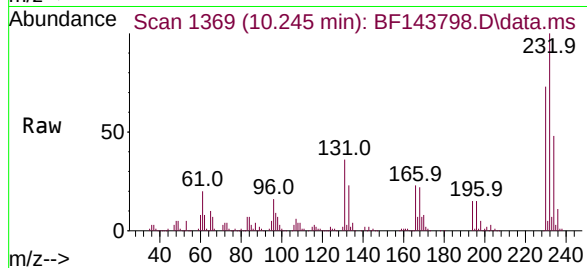
Tgt Ion:166 Resp: 730945
Ion Ratio Lower Upper
166 100
165 98.0 78.0 117.0
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 83.157 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

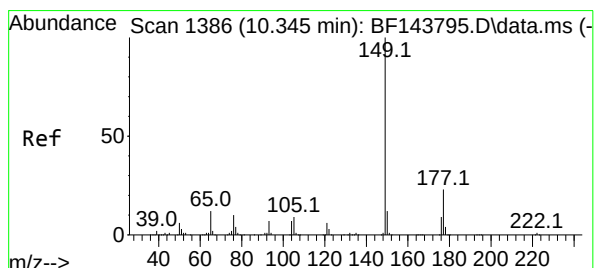
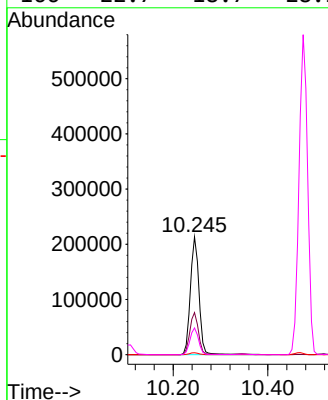
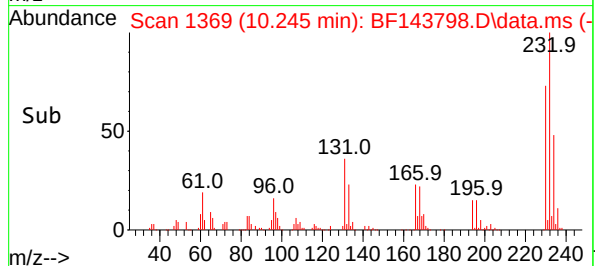
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:232 Resp: 269005
Ion Ratio Lower Upper
232 100
131 35.7 29.4 44.2
130 1.6 1.3 1.9
166 22.7 18.7 28.1

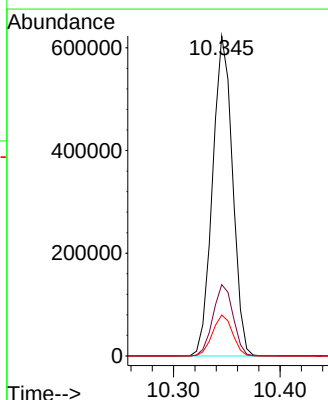
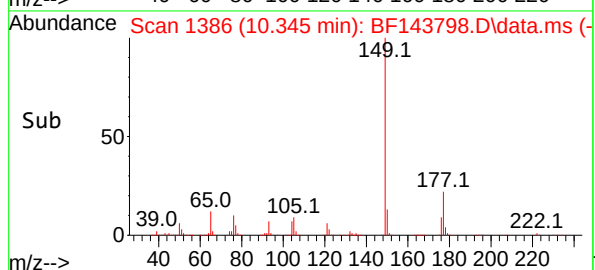
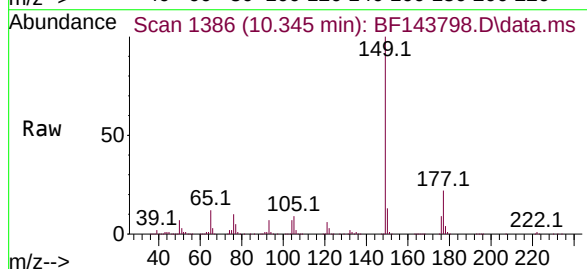
Manual Integrations
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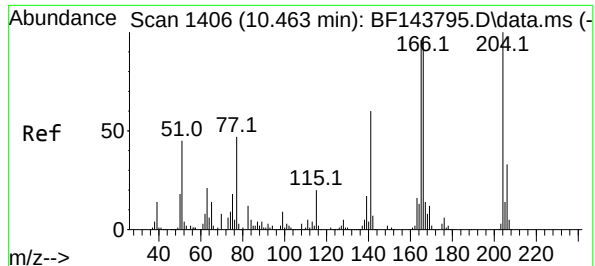
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#60
Diethylphthalate
Concen: 74.753 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

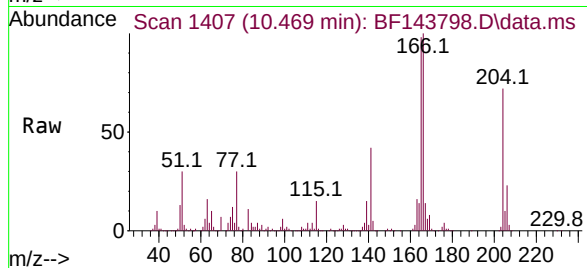
Tgt Ion:149 Resp: 814823
Ion Ratio Lower Upper
149 100
177 22.3 18.1 27.1
150 12.8 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 71.259 ng
RT: 10.469 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

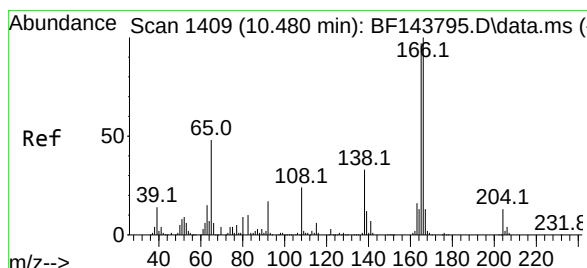
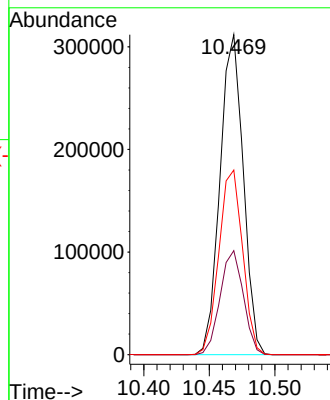
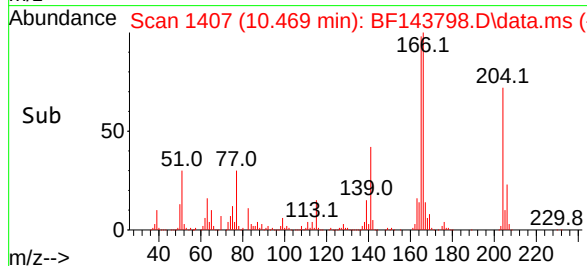
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



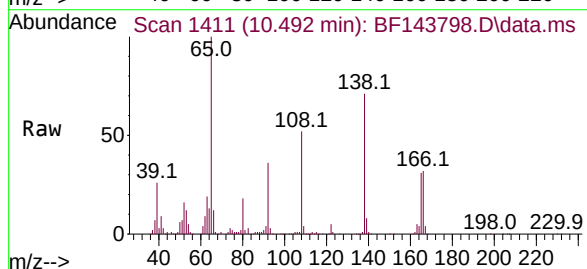
Tgt Ion:204 Resp: 384933
Ion Ratio Lower Upper
204 100
206 32.5 26.7 40.1
141 57.7 48.2 72.2

Manual Integrations
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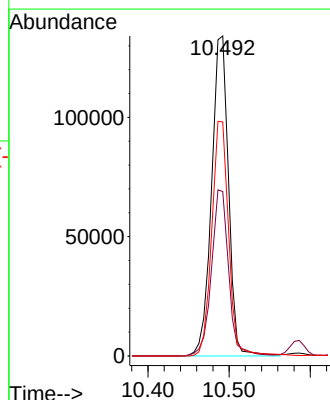
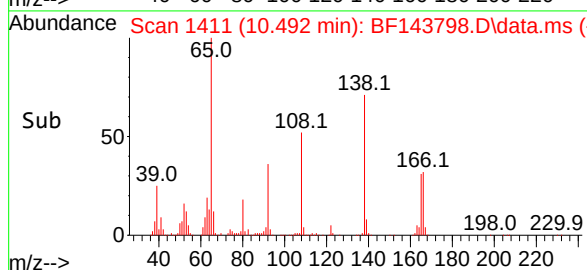
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

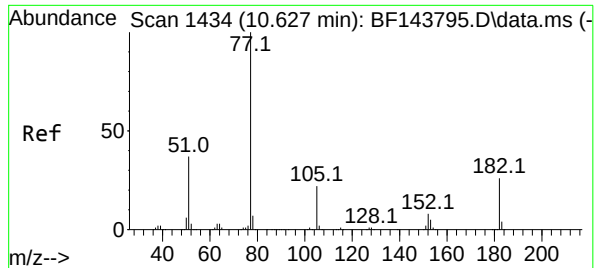


#62
4-Nitroaniline
Concen: 89.434 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27



Tgt Ion:138 Resp: 195008
Ion Ratio Lower Upper
138 100
92 51.4 31.5 71.5
108 73.1 51.9 91.9





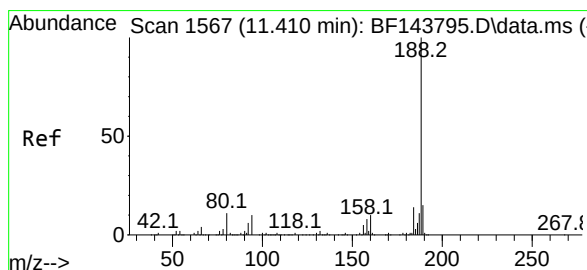
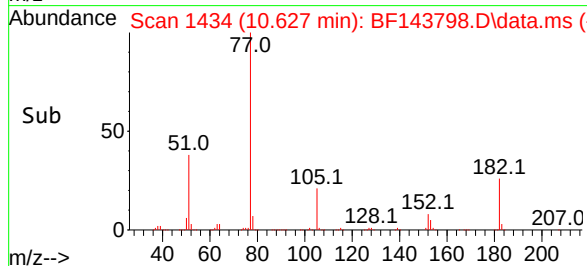
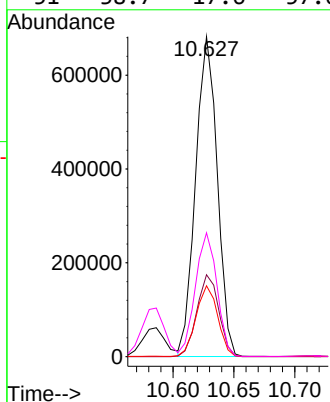
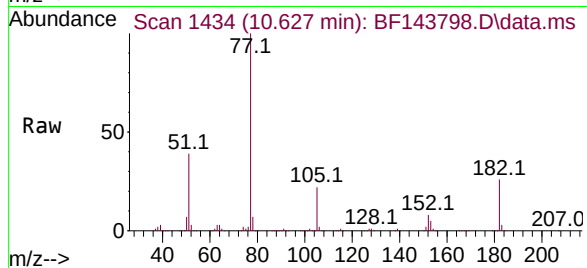
#63
Azobenzene
Concen: 73.264 ng
RT: 10.627 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Instrument :
BNA_F
Client Sample Id :
SSTDICC080

Tgt Ion: 77 Resp: 841633
Ion Ratio Lower Upper
77 100
182 25.6 5.9 45.9
105 22.1 2.3 42.3
51 38.7 17.6 57.6

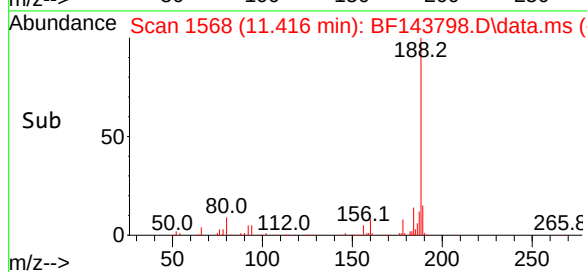
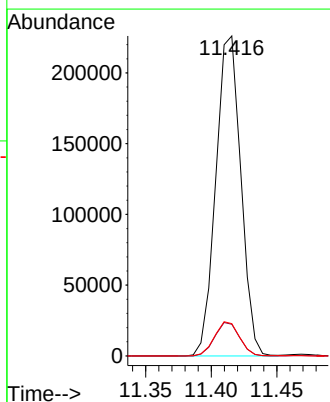
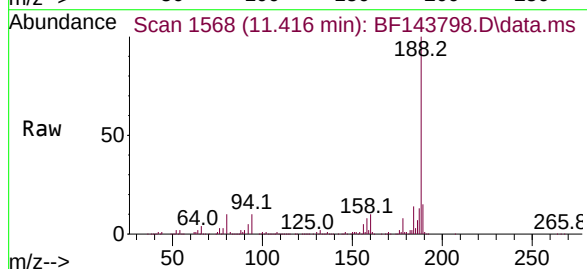
Manual Integrations
APPROVED

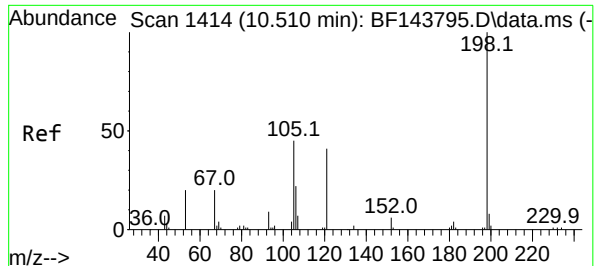
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

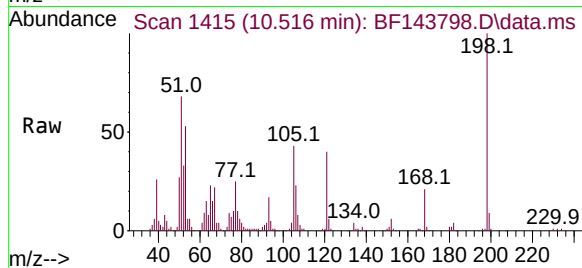
Tgt Ion:188 Resp: 300725
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.2
80 10.1 8.6 12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 78.431 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

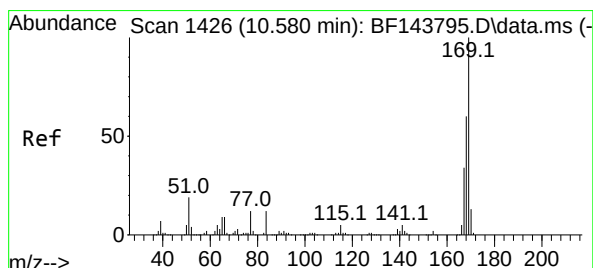
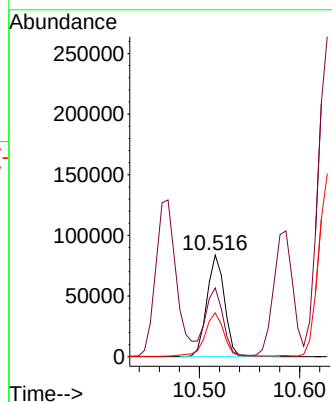
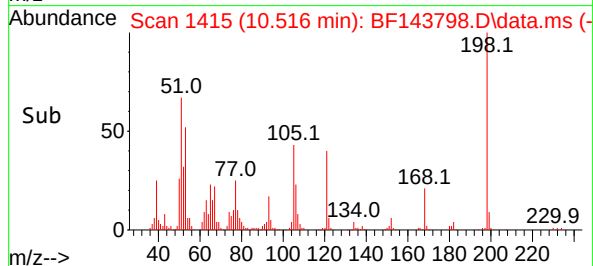
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:198 Resp: 101519
Ion Ratio Lower Upper
198 100
51 67.7 52.0 92.0
105 43.2 27.5 67.5

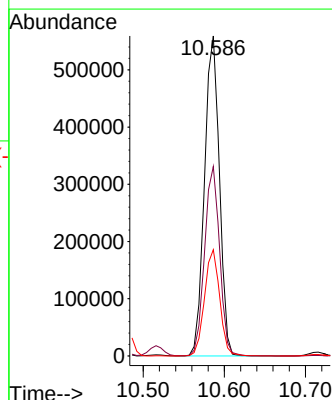
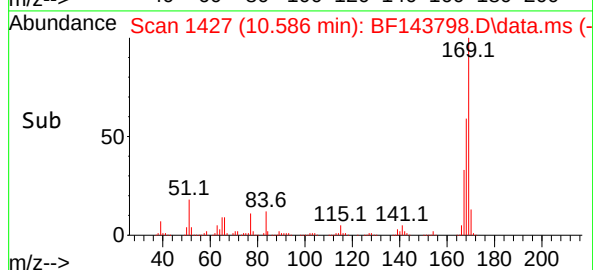
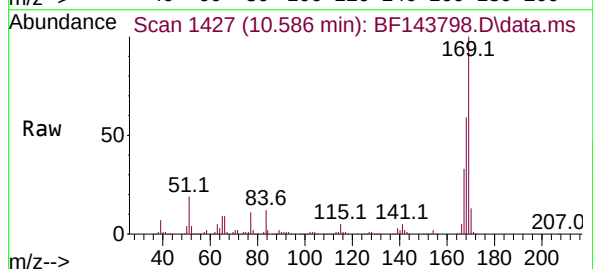
Manual Integrations
APPROVED

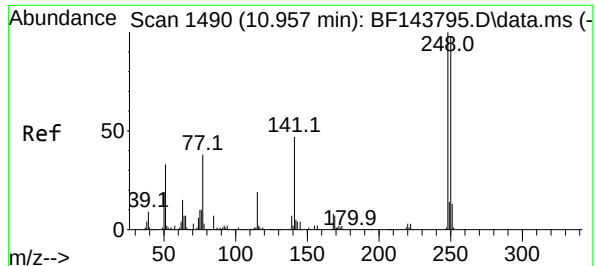
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#66
n-Nitrosodiphenylamine
Concen: 72.221 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

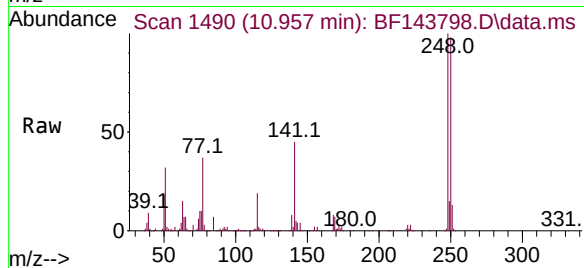
Tgt Ion:169 Resp: 714258
Ion Ratio Lower Upper
169 100
168 59.2 47.9 71.9
167 33.2 27.0 40.6





#67
4-Bromophenyl-phenylether
Concen: 75.954 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

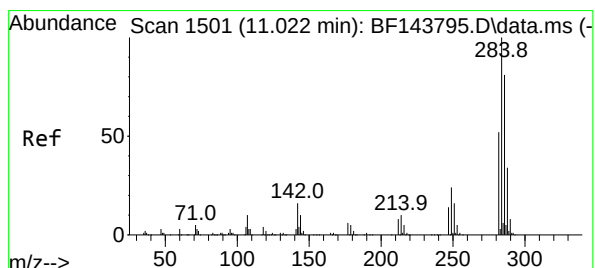
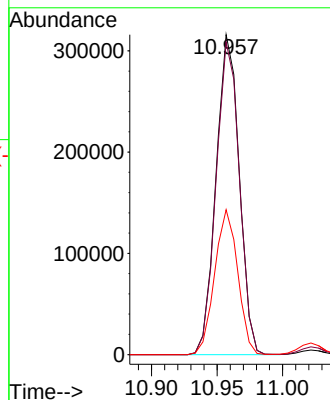
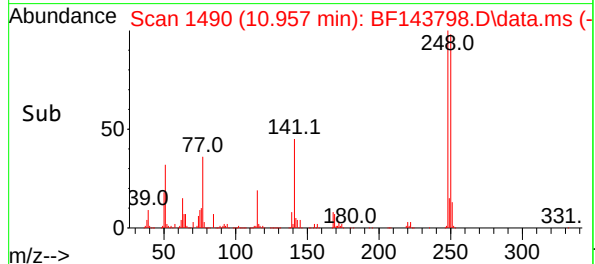
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:248 Resp: 389253
Ion Ratio Lower Upper
248 100
250 97.7 78.7 118.1
141 45.3 37.9 56.9

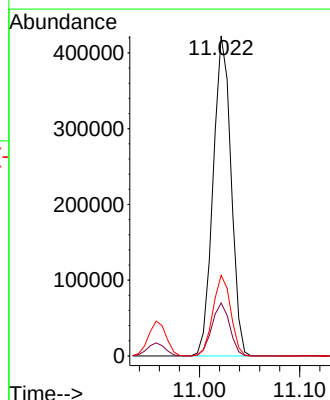
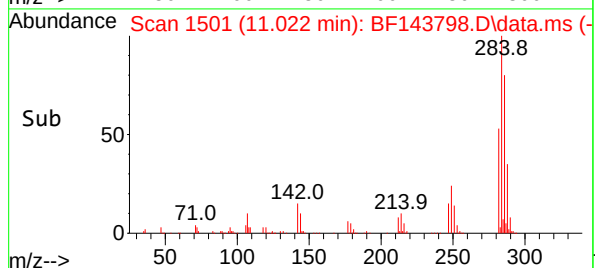
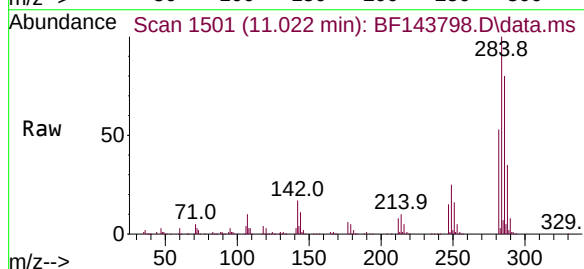
Manual Integrations
APPROVED

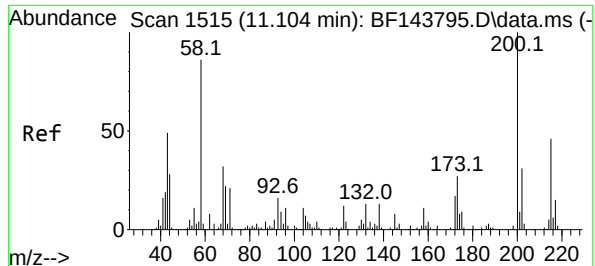
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#68
Hexachlorobenzene
Concen: 74.398 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Tgt Ion:284 Resp: 525440
Ion Ratio Lower Upper
284 100
142 16.5 13.1 19.7
249 25.2 19.5 29.3





#69

Atrazine

Concen: 76.710 ng

RT: 11.110 min Scan# 1516

Delta R.T. 0.000 min

Lab File: BF143798.D

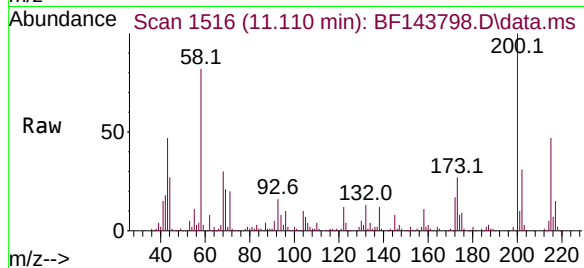
Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:200 Resp: 219693

Ion Ratio Lower Upper

200 100

173 27.1 7.2 47.2

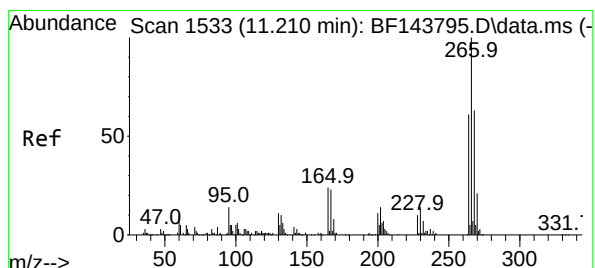
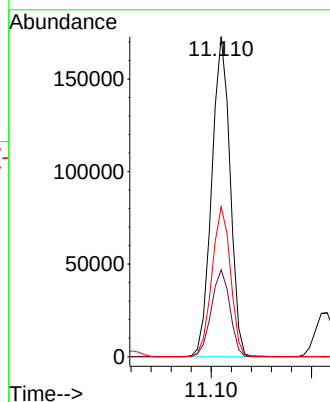
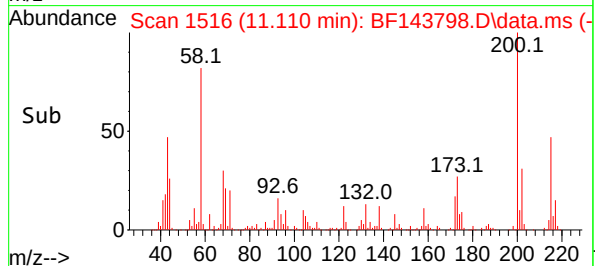
215 46.8 26.0 66.0

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#70

Pentachlorophenol

Concen: 88.529 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

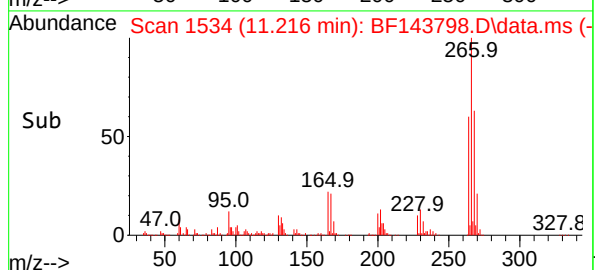
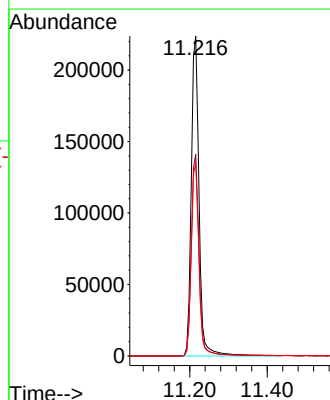
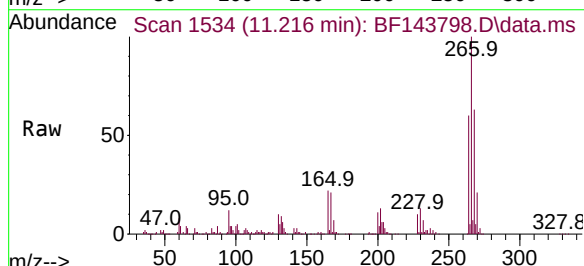
Tgt Ion:266 Resp: 311232

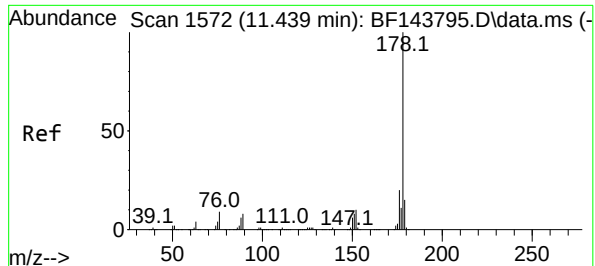
Ion Ratio Lower Upper

266 100

268 63.0 50.5 75.7

264 60.2 48.8 73.2





#71

Phenanthrene

Concen: 71.783 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:178 Resp: 1108268

Ion Ratio Lower Upper

178 100

176 19.9 15.6 23.4

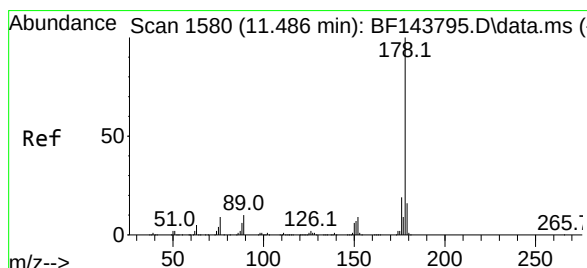
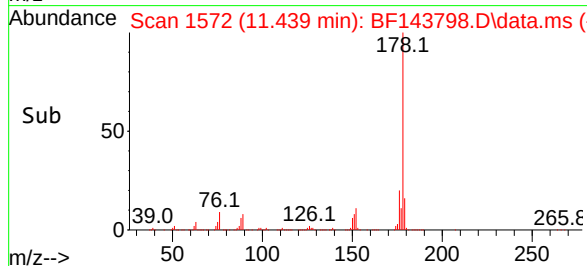
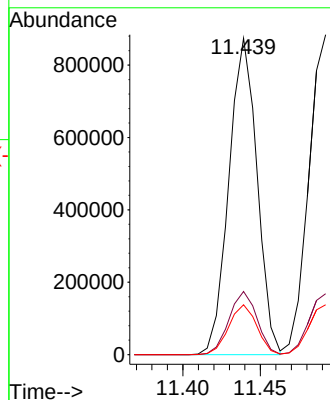
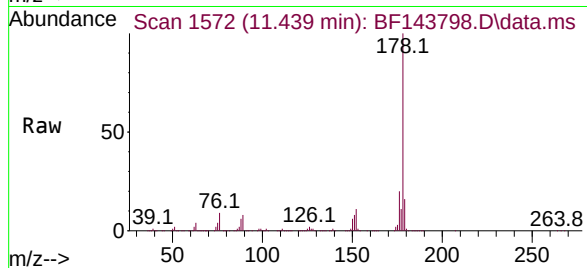
179 15.8 12.2 18.4

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#72

Anthracene

Concen: 73.416 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

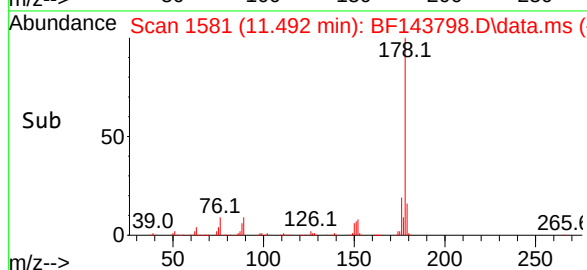
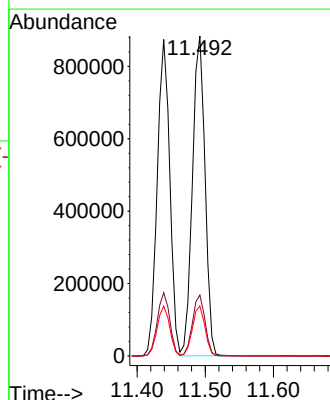
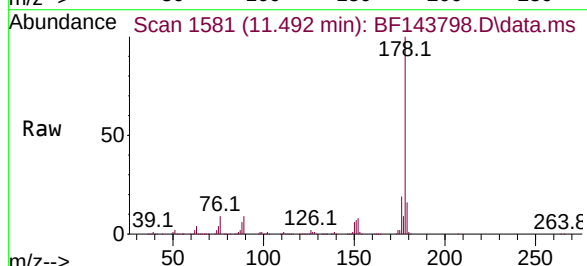
Tgt Ion:178 Resp: 1136970

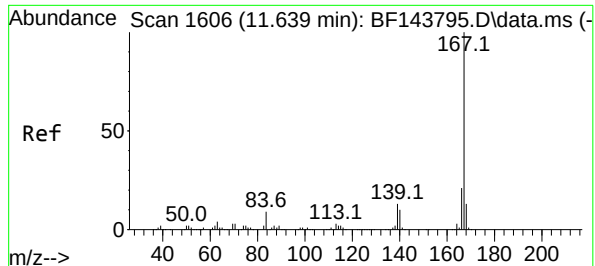
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

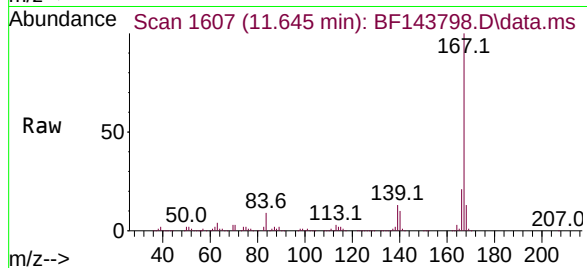
179 15.6 12.8 19.2





#73
Carbazole
Concen: 75.229 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

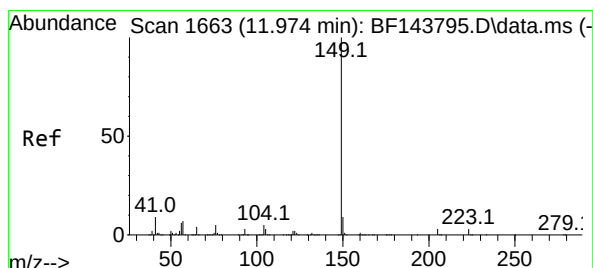
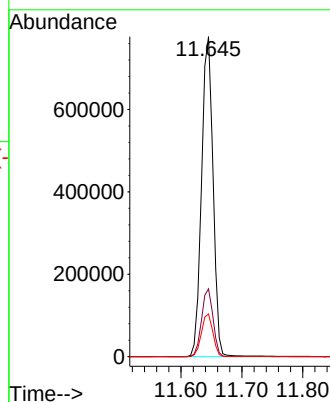
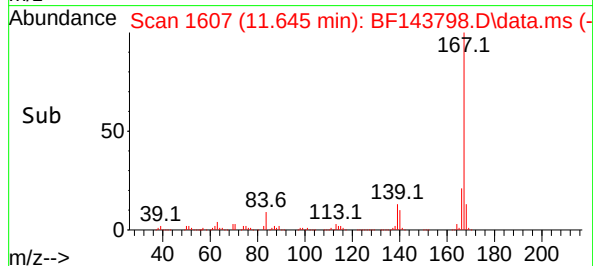
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



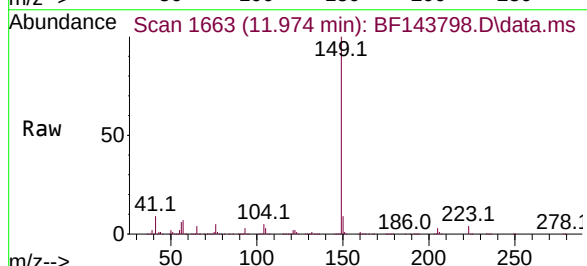
Tgt Ion:167 Resp: 1018624
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 13.3 10.6 15.8

Manual Integrations
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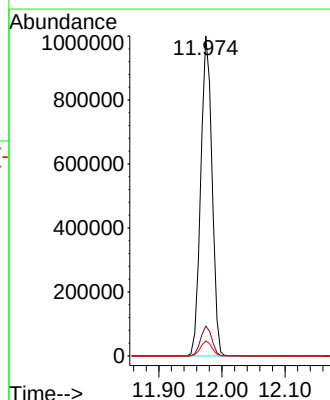
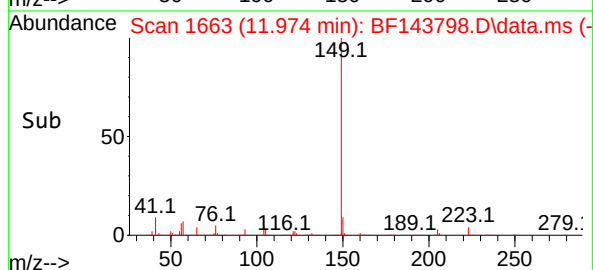
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

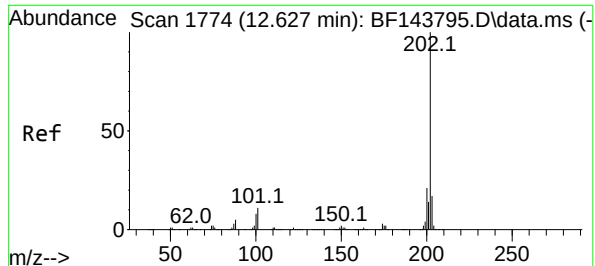


#74
Di-n-butylphthalate
Concen: 79.613 ng
RT: 11.974 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27



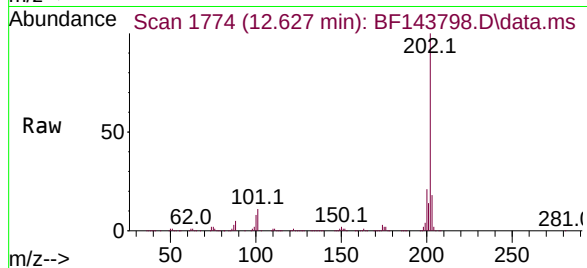
Tgt Ion:149 Resp: 1239778
Ion Ratio Lower Upper
149 100
150 9.3 7.3 10.9
104 4.7 3.6 5.4





#75
Fluoranthene
Concen: 78.389 ng
RT: 12.627 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

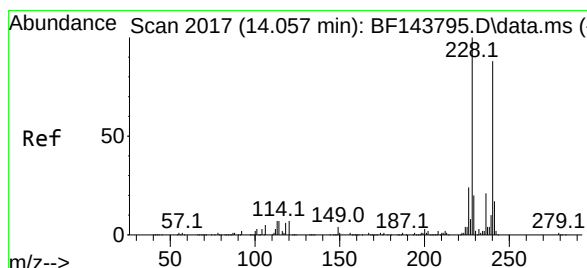
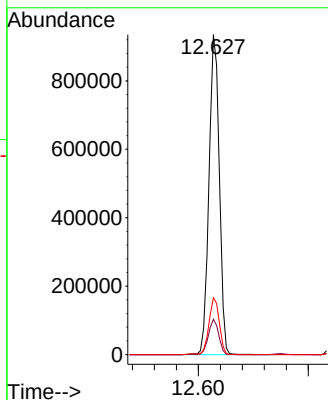
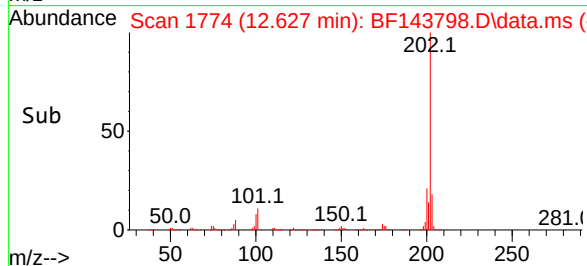
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 1217249
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.1
203 17.8 0.0 37.4

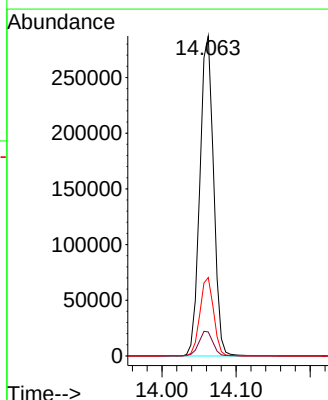
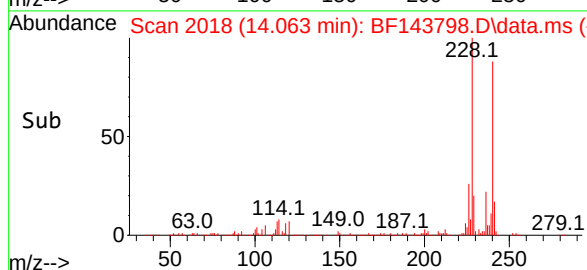
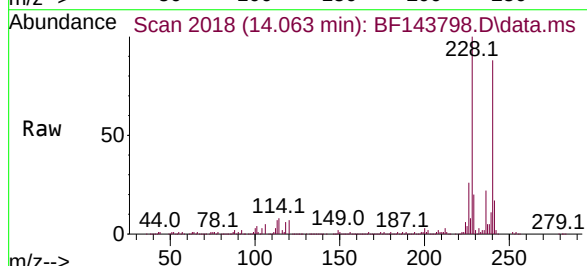
Manual Integrations
APPROVED

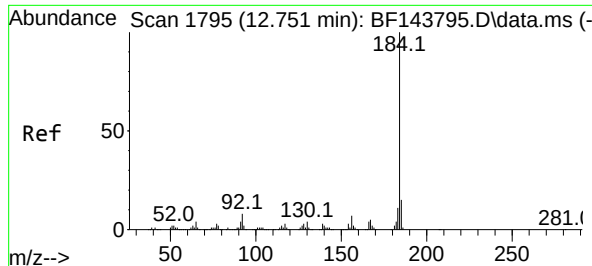
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

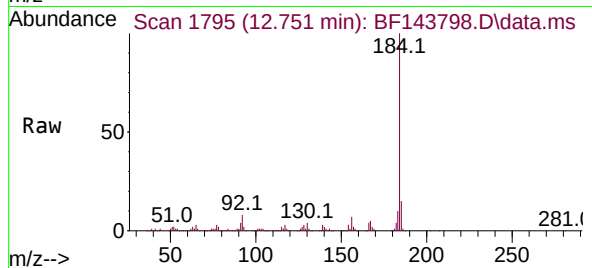
Tgt Ion:240 Resp: 368976
Ion Ratio Lower Upper
240 100
120 7.5 6.2 9.4
236 24.5 19.4 29.2





#77
Benzidine
Concen: 66.788 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

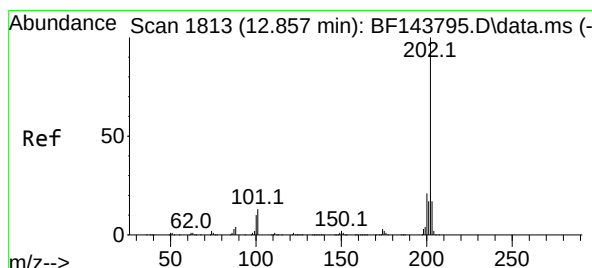
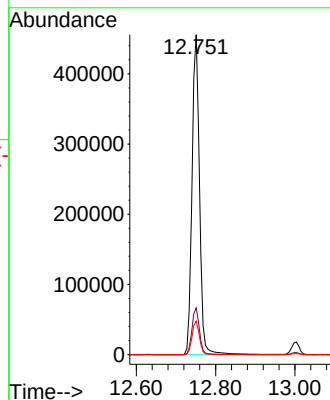
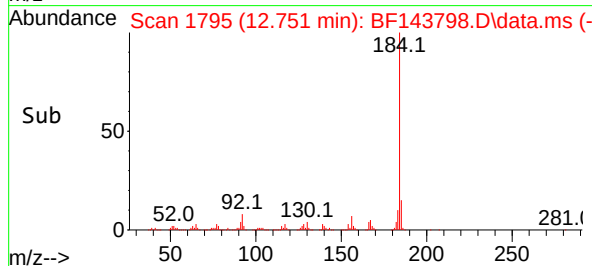
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:184 Resp: 600496
Ion Ratio Lower Upper
184 100
185 14.6 11.6 17.4
183 10.5 8.6 13.0

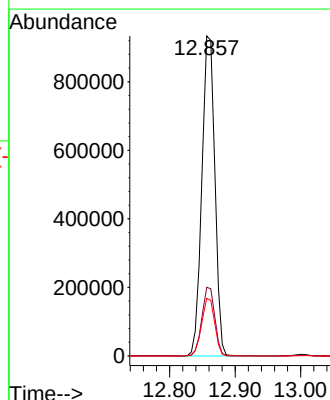
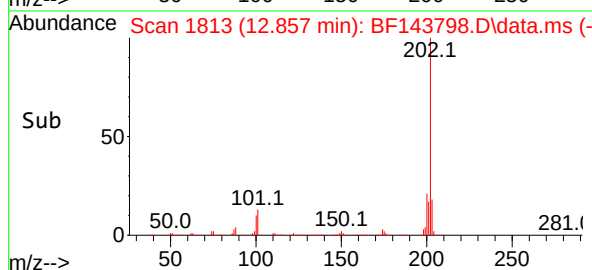
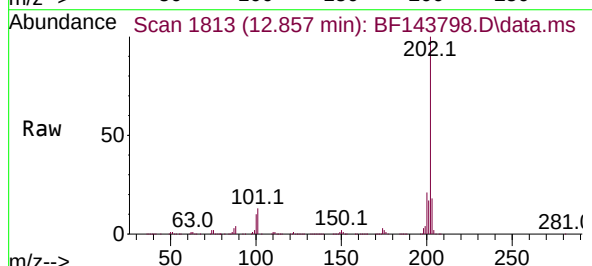
Manual Integrations
APPROVED

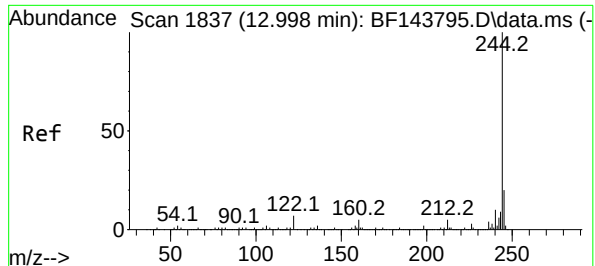
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#78
Pyrene
Concen: 70.553 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

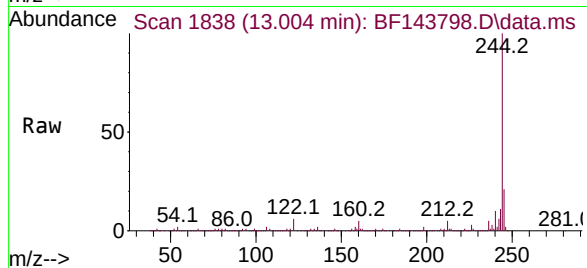
Tgt Ion:202 Resp: 1279855
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 18.0 13.9 20.9





#79
Terphenyl-d14
Concen: 133.790 ng
RT: 13.004 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

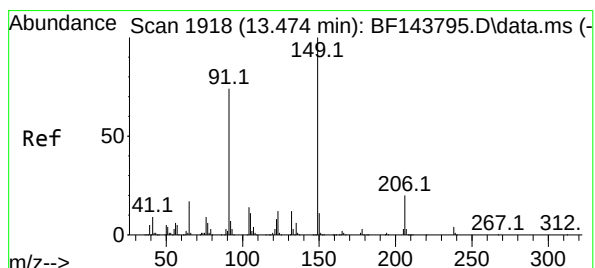
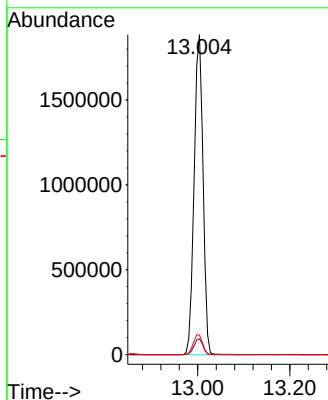
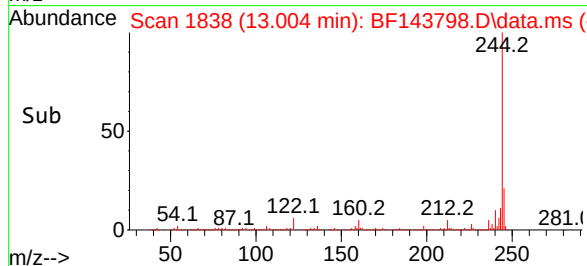
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



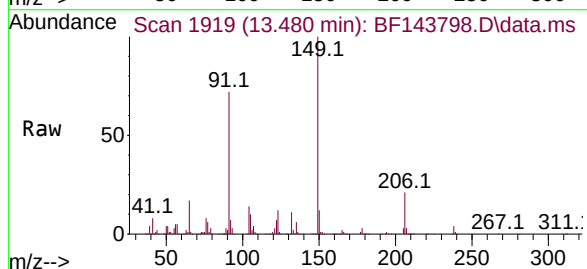
Tgt Ion:244 Resp: 251440
Ion Ratio Lower Upper
244 100
212 4.9 3.9 5.9
122 6.1 5.6 8.4

Manual Integrations
APPROVED

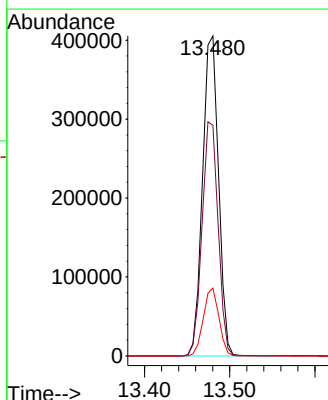
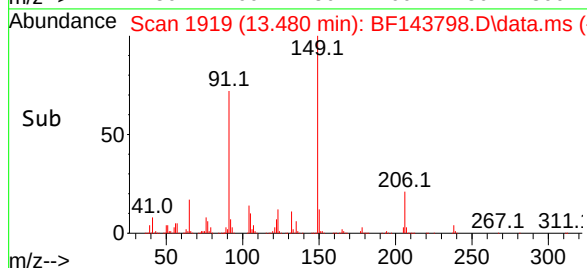
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

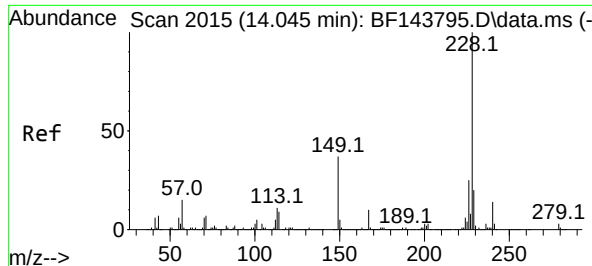


#80
Butylbenzylphthalate
Concen: 84.139 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27



Tgt Ion:149 Resp: 528060
Ion Ratio Lower Upper
149 100
91 72.0 59.5 89.3
206 21.2 16.1 24.1





#81

Benzo(a)anthracene

Concen: 74.057 ng

RT: 14.051 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143798.D

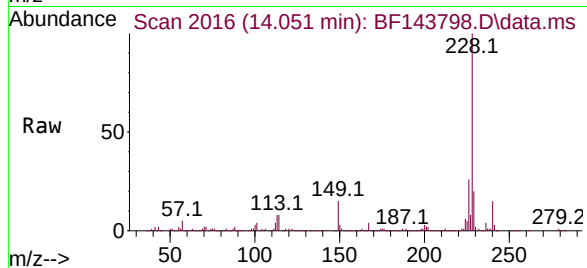
Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:228 Resp: 1467968

Ion Ratio Lower Upper

228 100

226 25.8 20.2 30.2

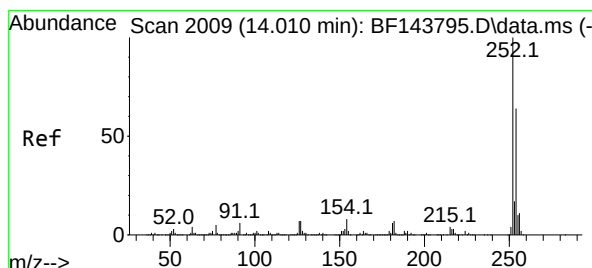
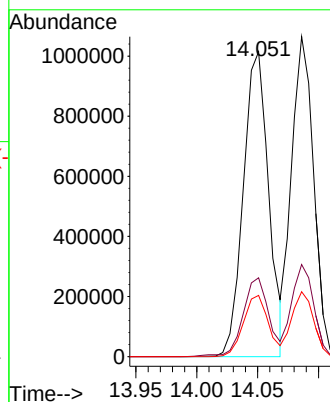
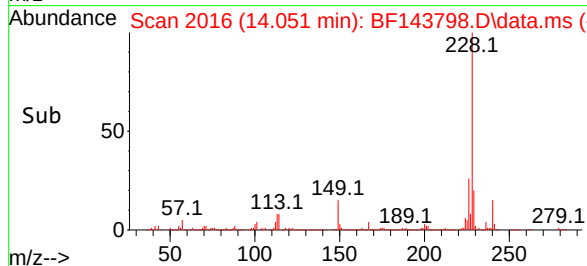
229 20.1 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#82

3,3'-Dichlorobenzidine

Concen: 80.036 ng

RT: 14.010 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

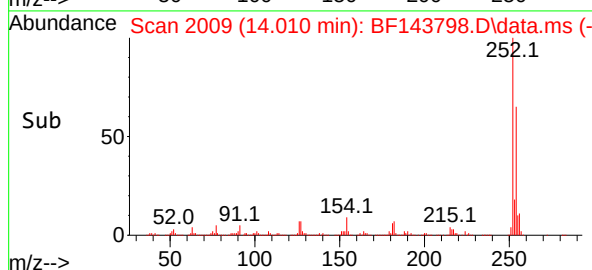
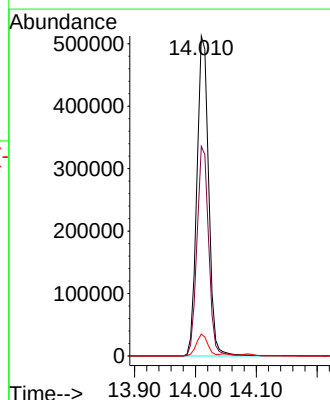
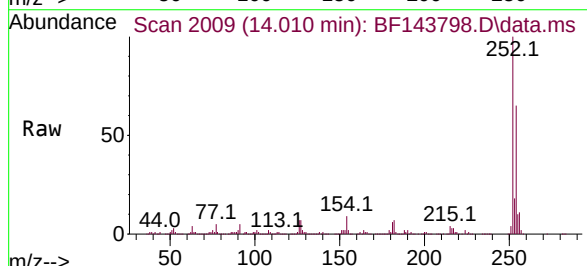
Tgt Ion:252 Resp: 687295

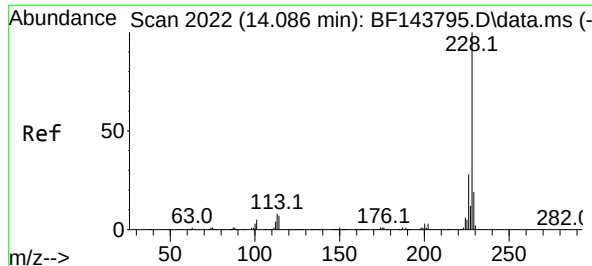
Ion Ratio Lower Upper

252 100

254 65.5 51.5 77.3

126 6.8 5.4 8.2





#83

Chrysene

Concen: 75.382 ng

RT: 14.086 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF143798.D

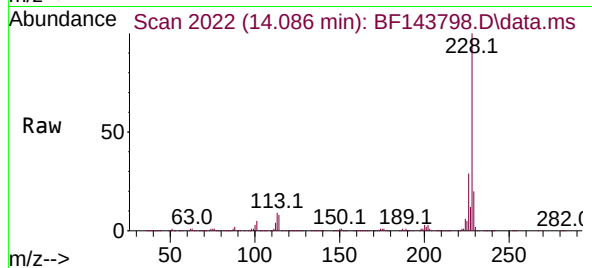
Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:228 Resp: 135207

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

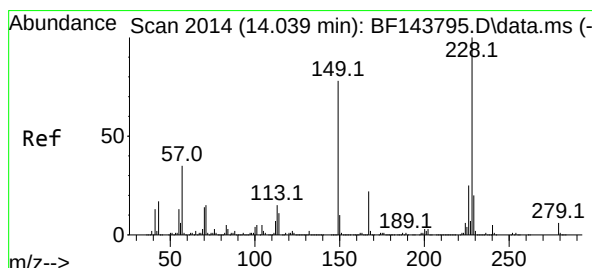
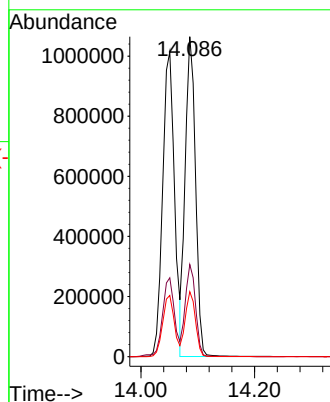
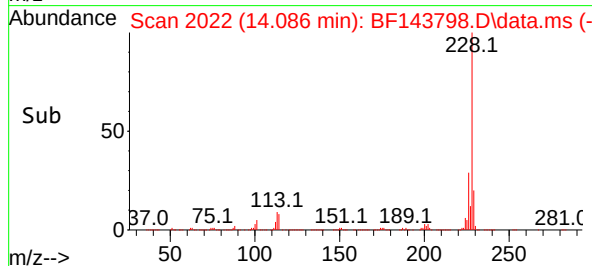
229 20.3 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#84

Bis(2-ethylhexyl)phthalate

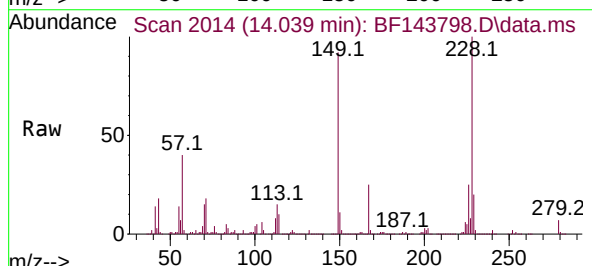
Concen: 78.996 ng

RT: 14.039 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27



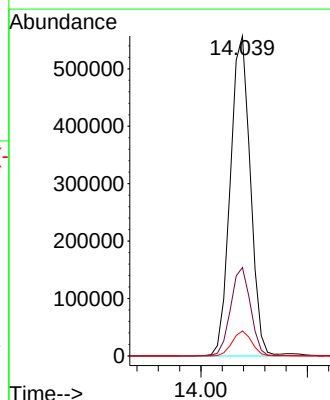
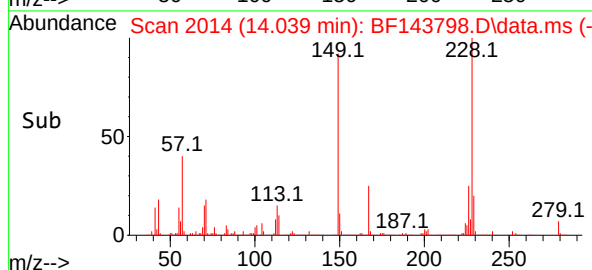
Tgt Ion:149 Resp: 726710

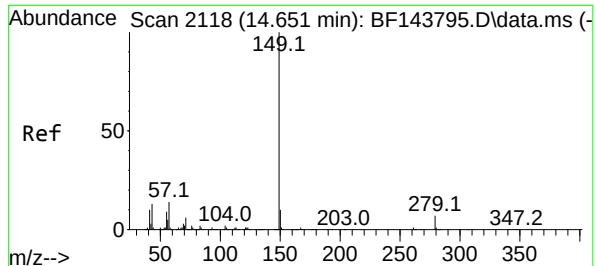
Ion Ratio Lower Upper

149 100

167 27.6 22.2 33.2

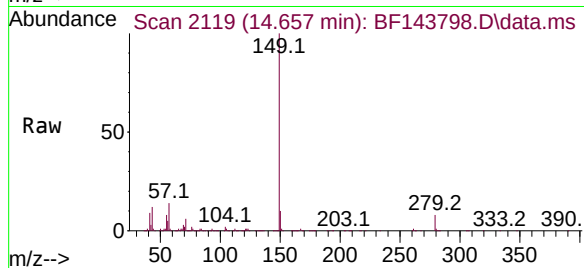
279 7.8 6.0 9.0





#85
Di-n-octyl phthalate
Concen: 82.239 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

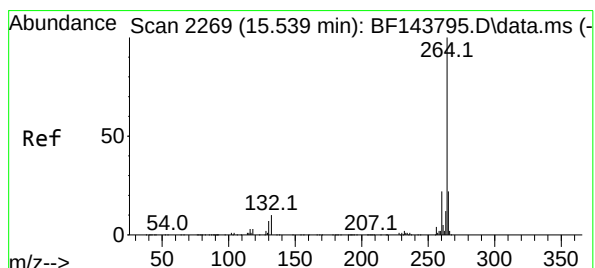
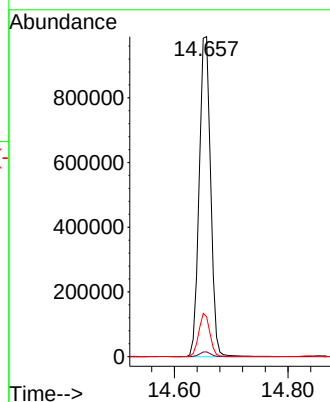
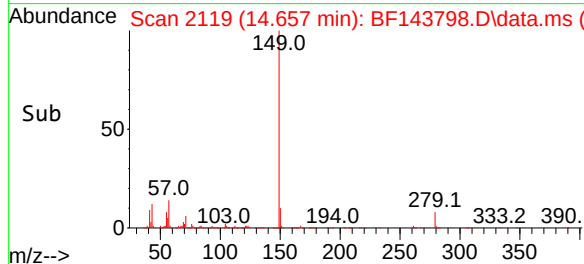
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 1372332
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.2 10.7 16.1

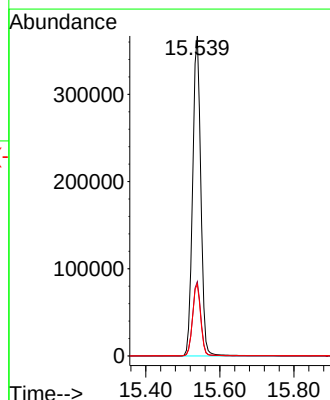
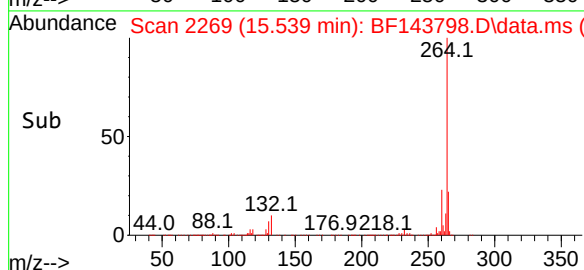
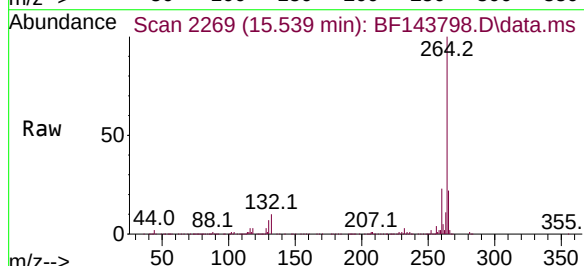
Manual Integrations
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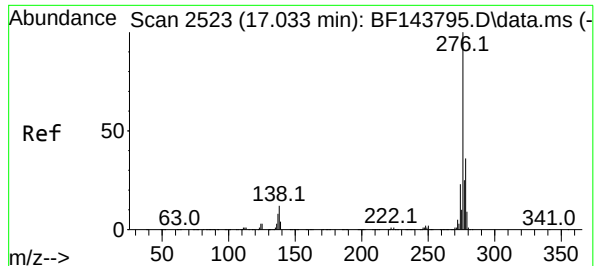
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

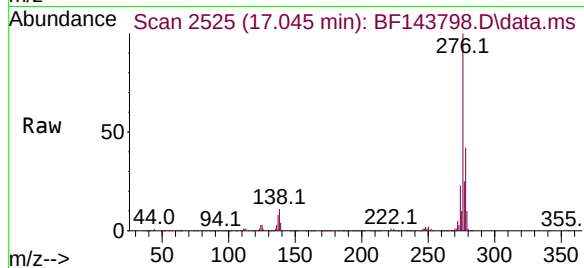
Tgt Ion:264 Resp: 561861
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 22.4 17.7 26.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 77.396 ng
RT: 17.045 min Scan# 2525
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

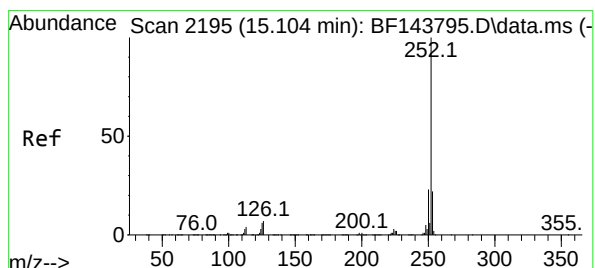
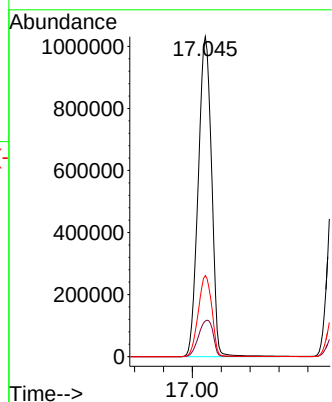
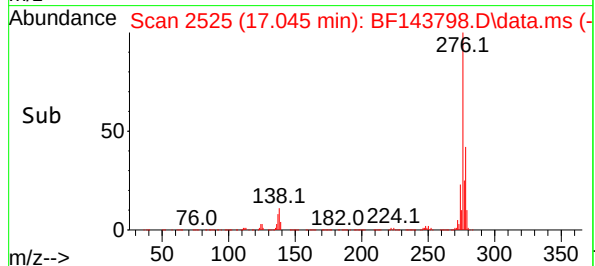
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 276 Resp: 3299429
Ion Ratio Lower Upper
276 100
138 12.4 10.6 15.8
277 25.7 20.7 31.1

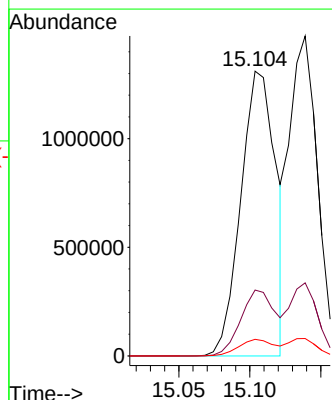
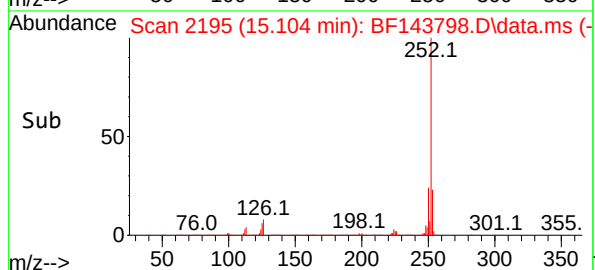
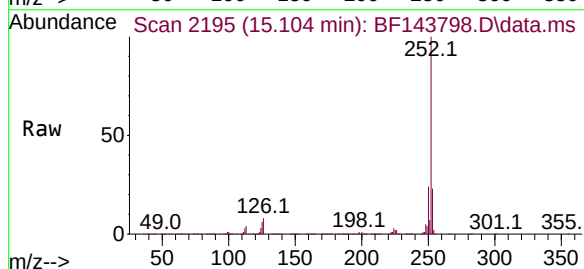
Manual Integrations
APPROVED

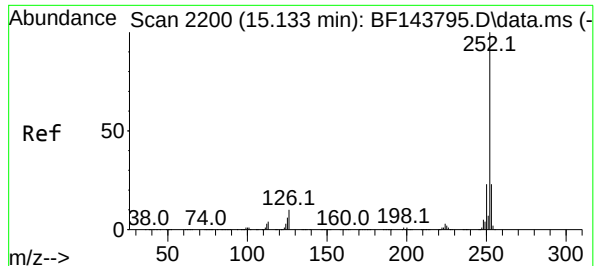
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#88
Benzo(b)fluoranthene
Concen: 78.555 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Tgt Ion: 252 Resp: 2247670
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 5.8 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 70.756 ng

RT: 15.139 min Scan# 2200

Delta R.T. 0.000 min

Lab File: BF143798.D

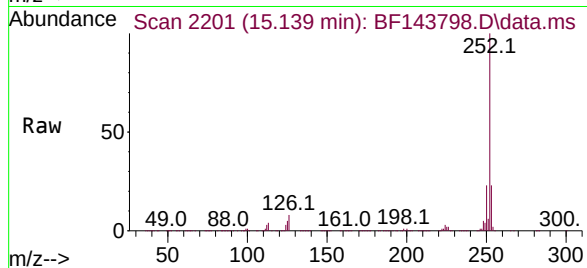
Acq: 23 Sep 2025 15:27

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:252 Resp: 2033980

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

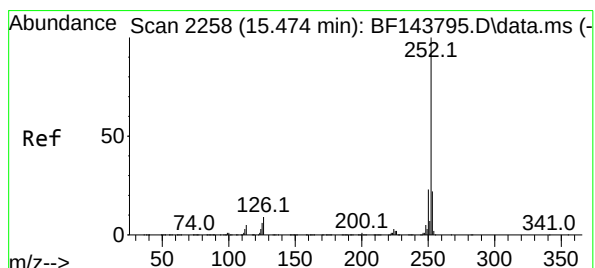
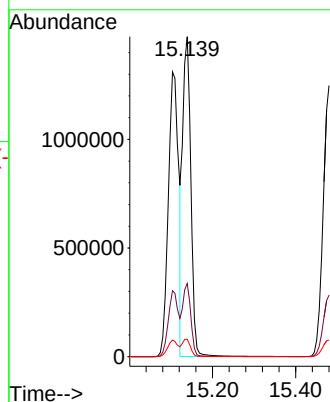
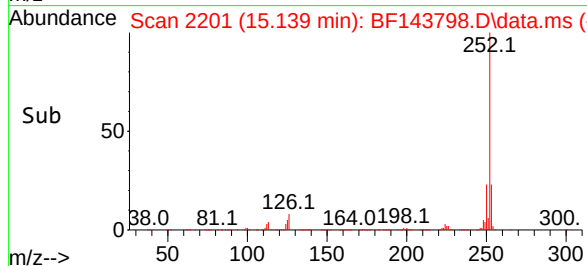
125 5.4 4.6 6.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#90

Benzo(a)pyrene

Concen: 76.712 ng

RT: 15.480 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BF143798.D

Acq: 23 Sep 2025 15:27

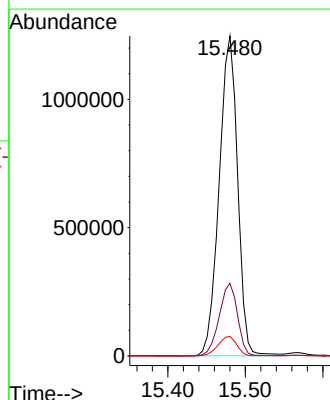
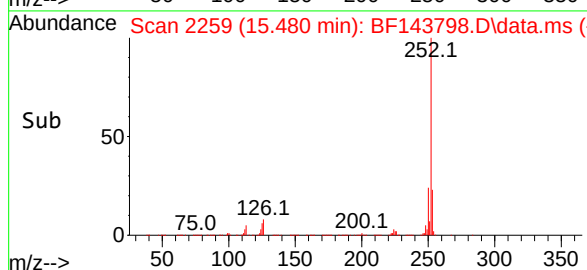
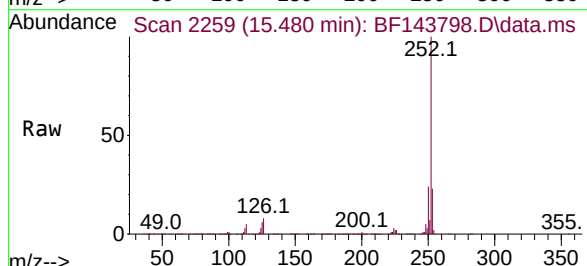
Tgt Ion:252 Resp: 2063204

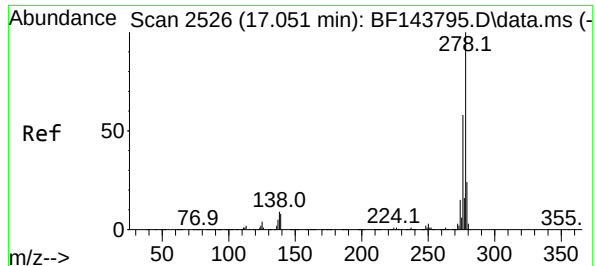
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

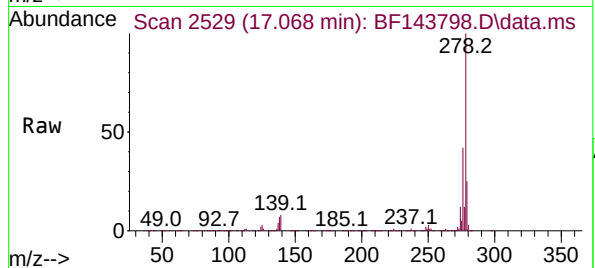
125 6.1 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 75.178 ng
RT: 17.068 min Scan# 2526
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

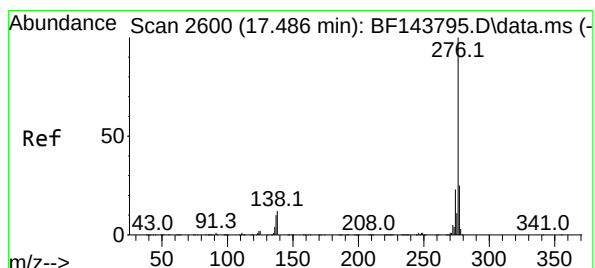
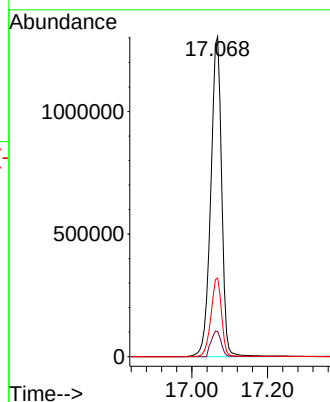
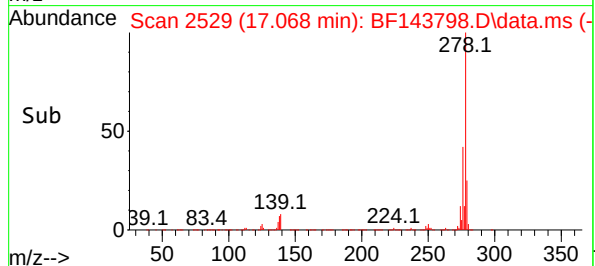
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:278 Resp: 2621312
Ion Ratio Lower Upper
278 100
139 7.9 6.7 10.1
279 24.6 19.3 28.9

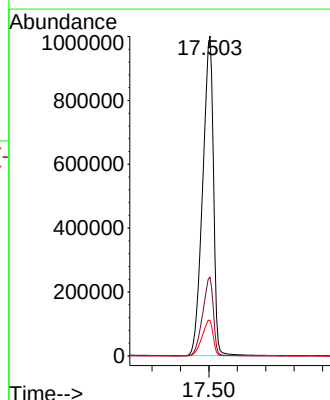
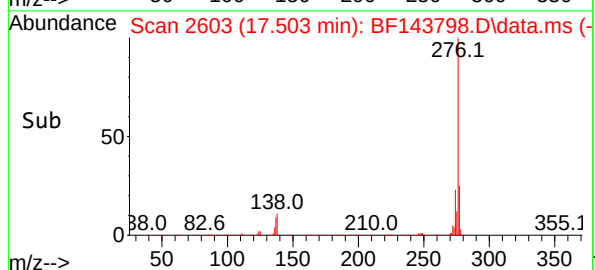
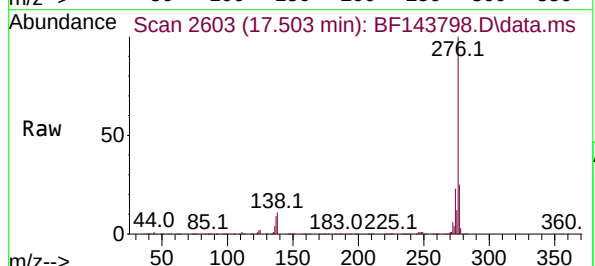
Manual Integrations
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Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#92
Benzo(g,h,i)perylene
Concen: 78.108 ng
RT: 17.503 min Scan# 2603
Delta R.T. 0.000 min
Lab File: BF143798.D
Acq: 23 Sep 2025 15:27

Tgt Ion:276 Resp: 2625358
Ion Ratio Lower Upper
276 100
277 24.6 19.6 29.4
138 11.1 9.2 13.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143799.D
 Acq On : 23 Sep 2025 17:42
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF092325

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 18:09:57 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 23 17:50:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	109221	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	390323	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	191064	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	302827	20.000	ng	0.00
76) Chrysene-d12	14.057	240	375572	20.000	ng	0.00
86) Perylene-d12	15.533	264	528363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	587541	86.573	ng	0.00
7) Phenol-d6	6.504	99	655490	81.847	ng	0.00
23) Nitrobenzene-d5	7.445	82	563159	90.799	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	260676	95.600	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1032314	79.843	ng	0.00
79) Terphenyl-d14	12.998	244	1544756	80.752	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	140442	43.647	ng	99
3) Pyridine	3.399	79	373668	43.022	ng	99
4) n-Nitrosodimethylamine	3.340	42	184836	42.441	ng	99
6) Aniline	6.546	93	468886	41.592	ng	99
8) 2-Chlorophenol	6.669	128	292186	42.456	ng	99
9) Benzaldehyde	6.440	77	317430	46.667	ng	96
10) Phenol	6.516	94	378799m	41.956	ng	
11) bis(2-Chloroethyl)ether	6.616	93	296472	41.891	ng	99
12) 1,3-Dichlorobenzene	6.828	146	337770	42.271	ng	100
13) 1,4-Dichlorobenzene	6.904	146	333799	41.859	ng	99
14) 1,2-Dichlorobenzene	7.057	146	315213	41.736	ng	99
15) Benzyl Alcohol	7.022	79	238857	42.558	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	702630	41.868	ng	100
17) 2-Methylphenol	7.128	107	225398	42.304	ng	99
18) Hexachloroethane	7.398	117	120246	42.878	ng	99
19) n-Nitroso-di-n-propyla...	7.293	70	198845	39.810	ng	99
20) 3+4-Methylphenols	7.281	107	283024	43.619	ng	99
22) Acetophenone	7.293	105	355985	41.524	ng	99
24) Nitrobenzene	7.463	77	308041	43.582	ng	99
25) Isophorone	7.704	82	519134	41.778	ng	99
26) 2-Nitrophenol	7.781	139	127397	44.135	ng	98
27) 2,4-Dimethylphenol	7.810	122	237292	42.725	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	334704	41.459	ng	100
29) 2,4-Dichlorophenol	8.016	162	234561	42.921	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	240436	42.395	ng	99
31) Naphthalene	8.193	128	785137	42.019	ng	100
32) Benzoic acid	7.893	122	117697	43.922	ng	96
33) 4-Chloroaniline	8.234	127	275488	41.955	ng	99
34) Hexachlorobutadiene	8.310	225	179313	42.413	ng	100
35) Caprolactam	8.587	113	61486	44.018	ng	97
36) 4-Chloro-3-methylphenol	8.704	107	217750	42.485	ng	96
37) 2-Methylnaphthalene	8.881	142	496707	41.689	ng	99
38) 1-Methylnaphthalene	8.981	142	478612	41.968	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	242106	41.989	ng	99
41) Hexachlorocyclopentadiene	9.034	237	160009	43.786	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	162537	45.018	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143799.D
 Acq On : 23 Sep 2025 17:42
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF092325

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/24/2025
 Supervised By :Jagrut Upadhyay 09/24/2025

Quant Time: Sep 23 18:09:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 17:50:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	159783	42.310	ng	100
46) 1,1'-Biphenyl	9.345	154	570562	41.254	ng	99
47) 2-Chloronaphthalene	9.369	162	457929	41.133	ng	99
48) 2-Nitroaniline	9.463	65	161814	48.090	ng	99
49) Acenaphthylene	9.787	152	647976	42.279	ng	99
50) Dimethylphthalate	9.639	163	496374	42.624	ng	99
51) 2,6-Dinitrotoluene	9.704	165	92326	48.254	ng	99
52) Acenaphthene	9.957	154	422277	41.869	ng	100
53) 3-Nitroaniline	9.869	138	110544	47.665	ng	96
54) 2,4-Dinitrophenol	9.975	184	28355	46.217	ng	# 69
55) Dibenzofuran	10.128	168	602575	42.251	ng	100
56) 4-Nitrophenol	10.016	139	85715	45.864	ng	96
57) 2,4-Dinitrotoluene	10.104	165	126090	44.618	ng	99
58) Fluorene	10.475	166	446712	42.132	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	149133	46.097	ng	99
60) Diethylphthalate	10.345	149	470914	43.199	ng	99
61) 4-Chlorophenyl-phenylether	10.463	204	227995	42.203	ng	100
62) 4-Nitroaniline	10.481	138	104533	47.936	ng	98
63) Azobenzene	10.622	77	491364	42.769	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	49519	45.452	ng	94
66) n-Nitrosodiphenylamine	10.581	169	413097	41.480	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	221312	42.884	ng	98
68) Hexachlorobenzene	11.022	284	303404	42.661	ng	99
69) Atrazine	11.104	200	130018	45.083	ng	99
70) Pentachlorophenol	11.210	266	163934	46.307	ng	99
71) Phenanthrene	11.439	178	657630	42.299	ng	100
72) Anthracene	11.486	178	674513	43.252	ng	99
73) Carbazole	11.639	167	601493	44.114	ng	100
74) Di-n-butylphthalate	11.975	149	724195	46.182	ng	100
75) Fluoranthene	12.628	202	719722	46.027	ng	100
77) Benzidine	12.751	184	368236	40.236	ng	99
78) Pyrene	12.857	202	759210	41.117	ng	100
80) Butylbenzylphthalate	13.475	149	298166	46.674	ng	99
81) Benzo(a)anthracene	14.045	228	833201	41.296	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	373433	42.723	ng	99
83) Chrysene	14.080	228	799482	43.791	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	427966	45.704	ng	97
85) Di-n-octyl phthalate	14.651	149	756048	44.512	ng	99
87) Indeno(1,2,3-cd)pyrene	17.027	276	1728261	43.111	ng	99
88) Benzo(b)fluoranthene	15.098	252	1234859	45.894	ng	100
89) Benzo(k)fluoranthene	15.133	252	1105146	40.882	ng	99
90) Benzo(a)pyrene	15.474	252	1093771	43.246	ng	100
91) Dibenzo(a,h)anthracene	17.051	278	1422887	43.395	ng	99
92) Benzo(g,h,i)perylene	17.480	276	1366956	43.247	ng	100

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

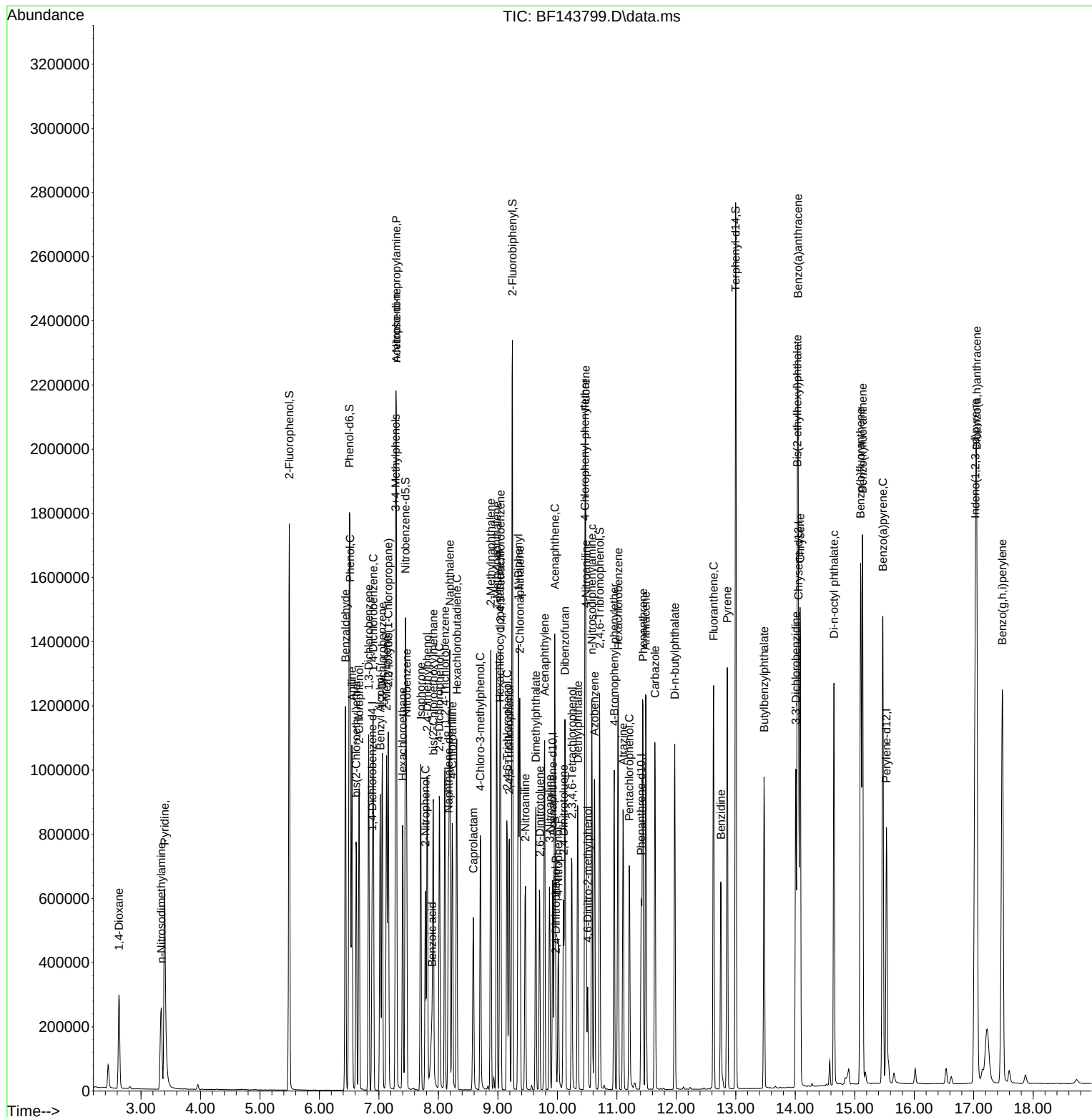
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Data File : BF143799.D  
Acq On    : 23 Sep 2025 17:42  
Operator  : RC/JU  
Sample    : SSTDICV040  
Misc      :  
ALS Vial  : 12 Sample Multiplier: 1
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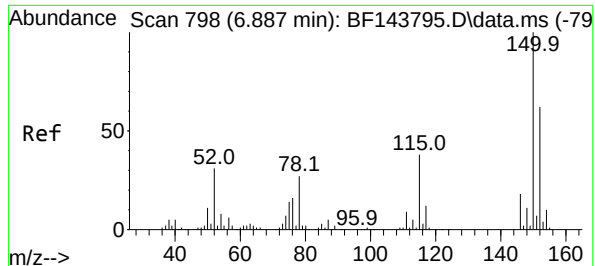
Instrument :
BNA_F
ClientSampleId :
ICVBF092325

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

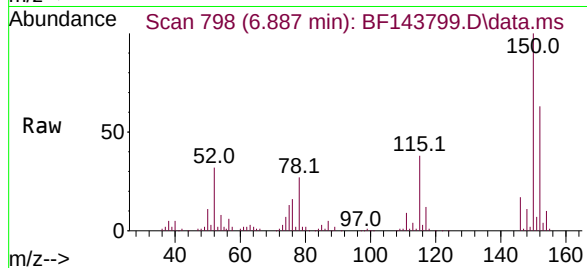
Quant Time: Sep 23 18:09:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 17:50:26 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

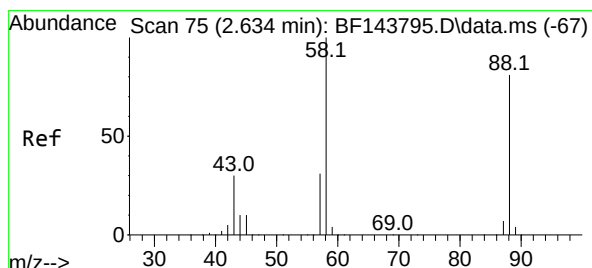
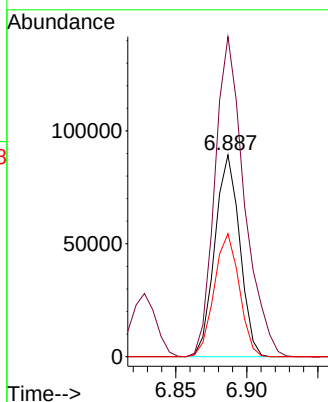
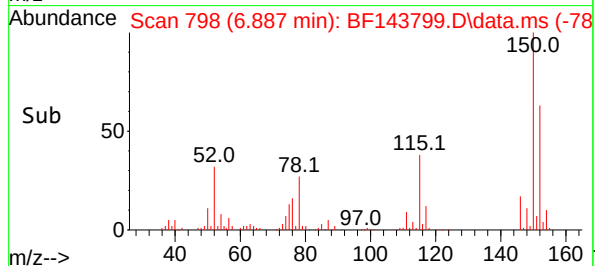
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:152 Resp: 109221
Ion Ratio Lower Upper
152 100
150 158.7 129.6 194.4
115 61.0 49.0 73.4

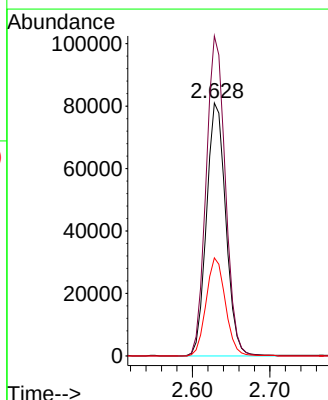
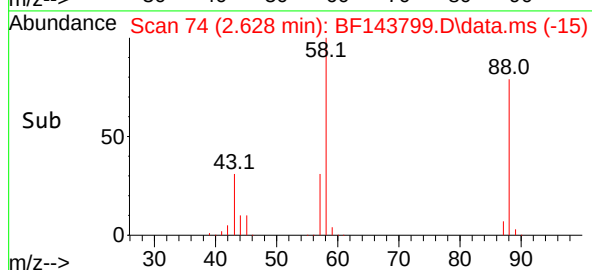
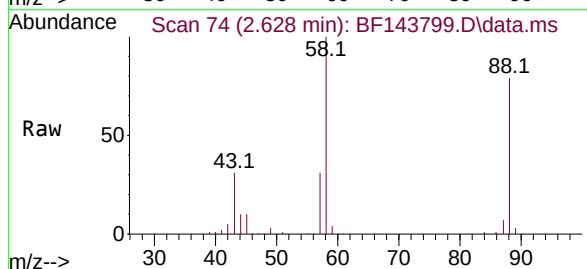
Manual Integrations
APPROVED

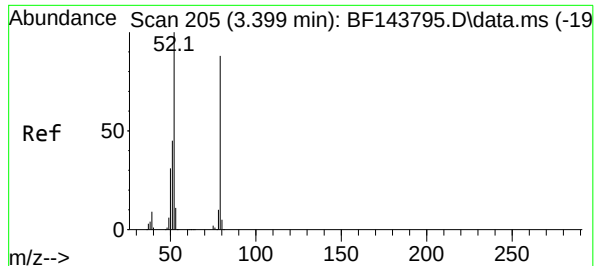
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#2
1,4-Dioxane
Concen: 43.647 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

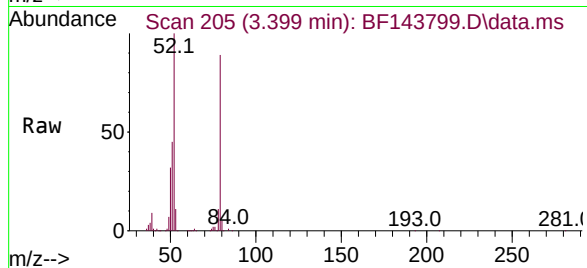
Tgt Ion: 88 Resp: 140442
Ion Ratio Lower Upper
88 100
58 125.4 99.4 149.2
43 38.5 30.6 45.8





#3
Pyridine
Concen: 43.022 ng
RT: 3.399 min Scan# 205
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

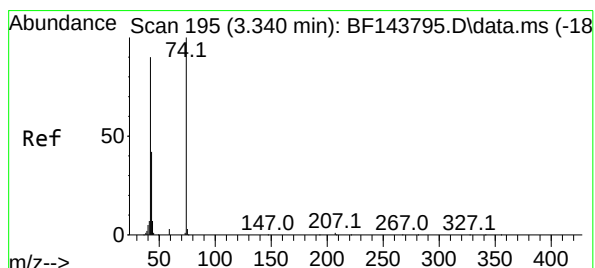
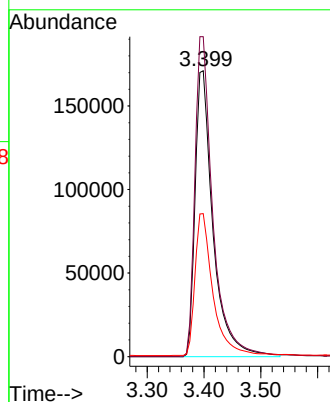
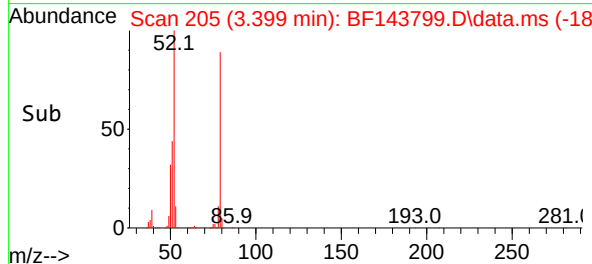
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion: 79 Resp: 373668
Ion Ratio Lower Upper
79 100
52 112.0 90.5 135.7
51 50.0 40.6 61.0

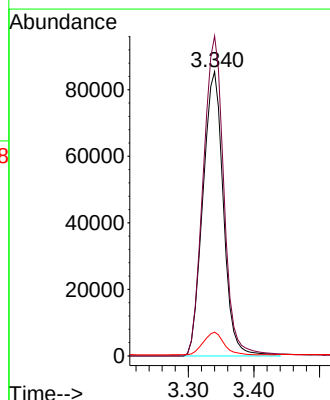
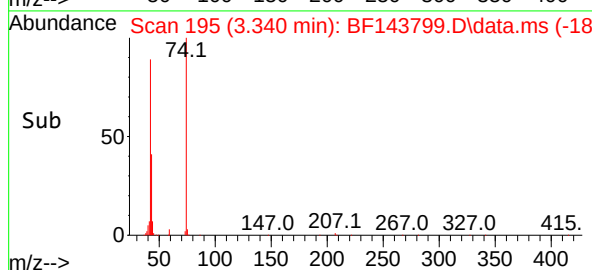
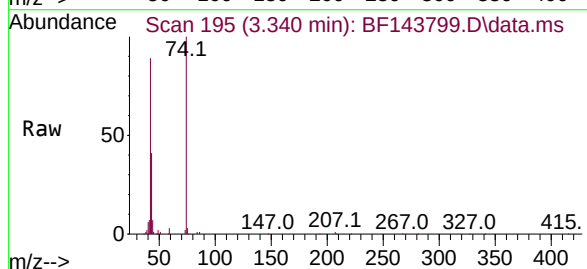
Manual Integrations
APPROVED

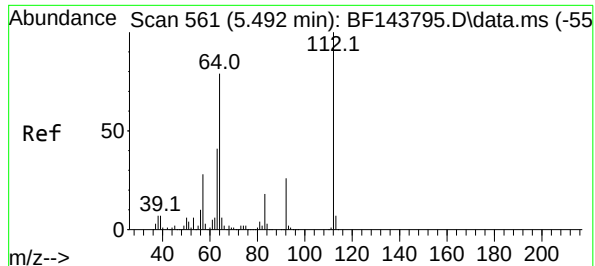
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#4
n-Nitrosodimethylamine
Concen: 42.441 ng
RT: 3.340 min Scan# 195
Delta R.T. -0.017 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

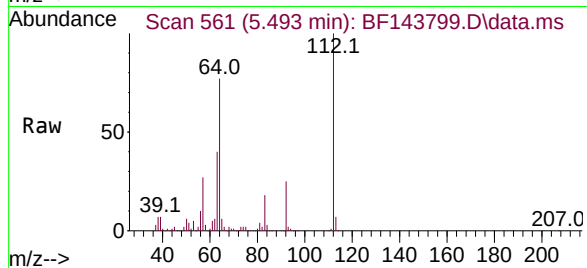
Tgt Ion: 42 Resp: 184836
Ion Ratio Lower Upper
42 100
74 112.6 89.1 133.7
44 8.3 6.4 9.6





#5
2-Fluorophenol
Concen: 86.573 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

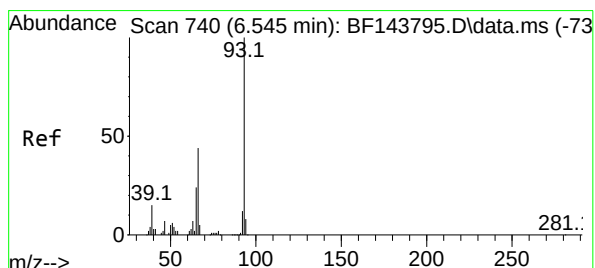
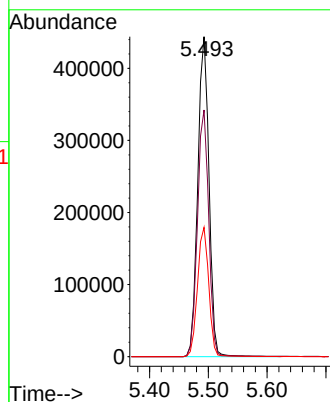
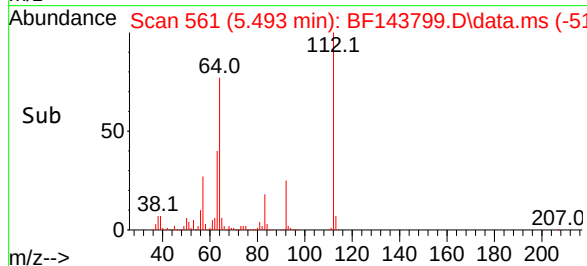
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



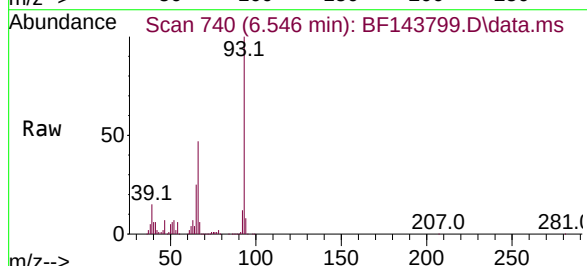
Tgt Ion: 112 Resp: 58754
Ion Ratio Lower Upper
112 100
64 77.1 63.0 94.4
63 40.4 32.6 49.0

Manual Integrations
APPROVED

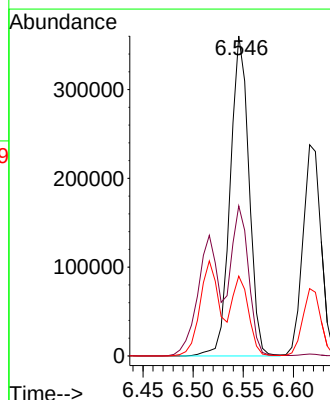
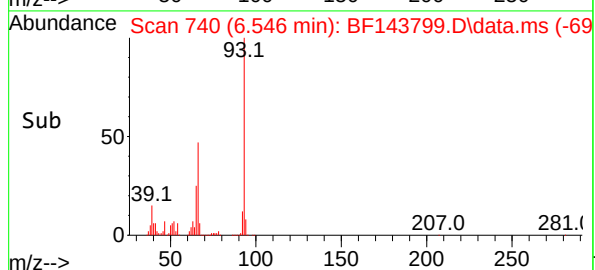
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

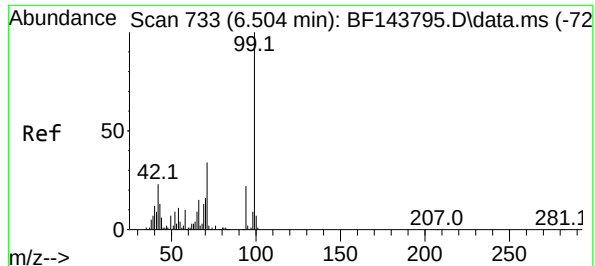


#6
Aniline
Concen: 41.592 ng
RT: 6.546 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42



Tgt Ion: 93 Resp: 468886
Ion Ratio Lower Upper
93 100
66 46.9 37.1 55.7
65 24.9 19.4 29.0





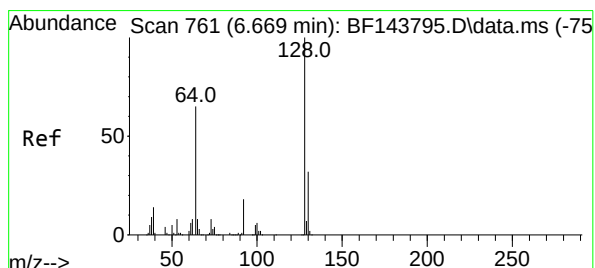
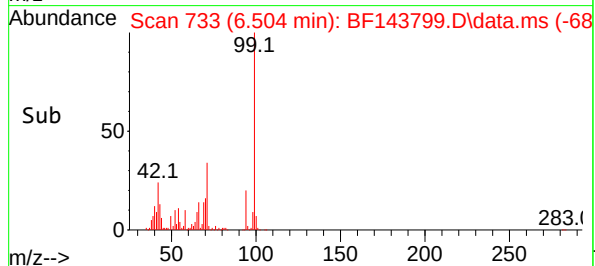
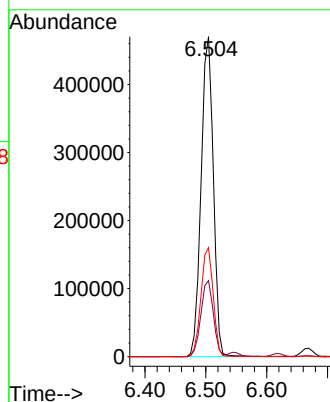
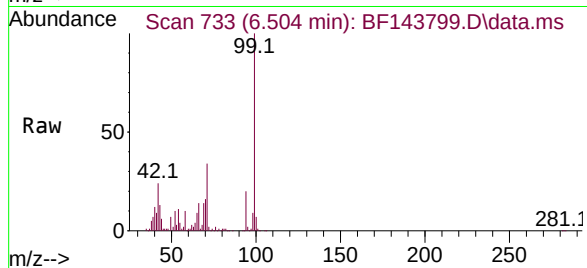
#7
Phenol-d6
Concen: 81.847 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

Instrument :
BNA_F
ClientSampleId :
ICVBF092325

Tgt Ion: 99 Resp: 655490
Ion Ratio Lower Upper
99 100
42 23.7 18.6 28.0
71 34.0 27.0 40.4

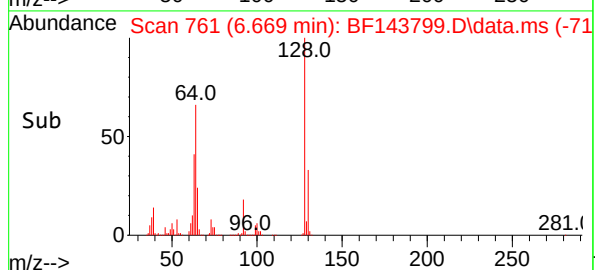
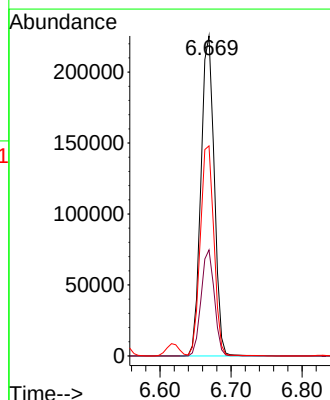
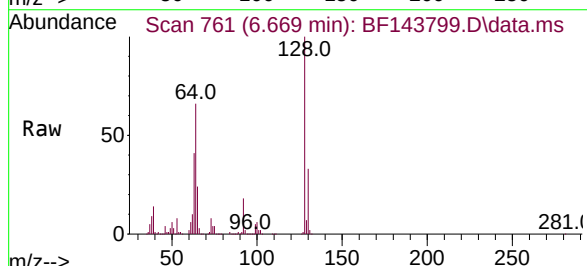
Manual Integrations
APPROVED

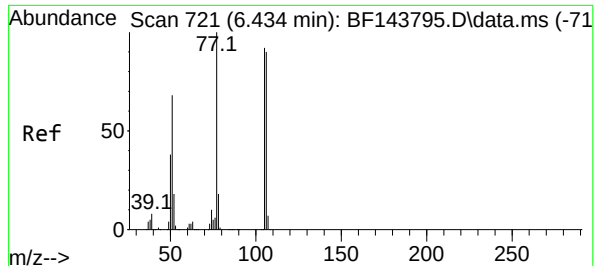
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#8
2-Chlorophenol
Concen: 42.456 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

Tgt Ion:128 Resp: 292186
Ion Ratio Lower Upper
128 100
130 33.1 12.2 52.2
64 65.6 46.5 86.5





#9

Benzaldehyde

Concen: 46.667 ng

RT: 6.440 min Scan# 721

Delta R.T. 0.000 min

Lab File: BF143799.D

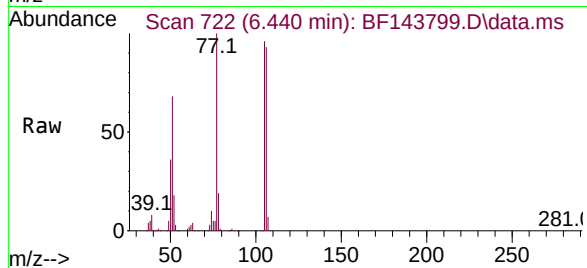
Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325



Tgt Ion: 77 Resp: 317430

Ion Ratio Lower Upper

77 100

105 95.9 71.8 111.8

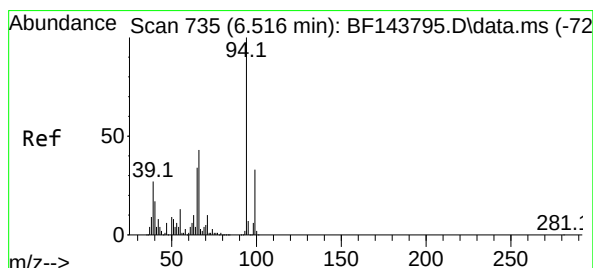
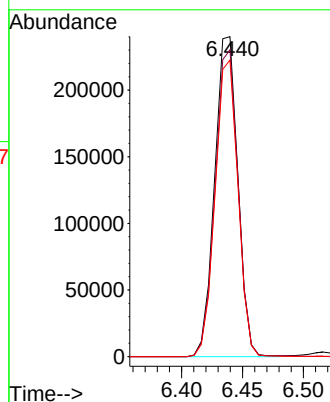
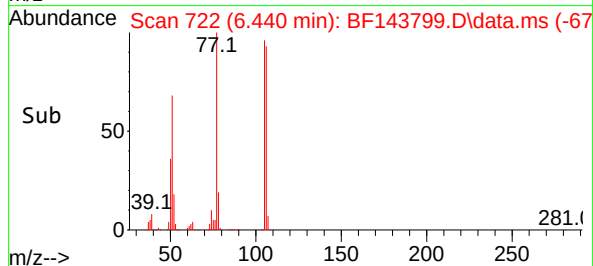
106 92.7 69.8 109.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#10

Phenol

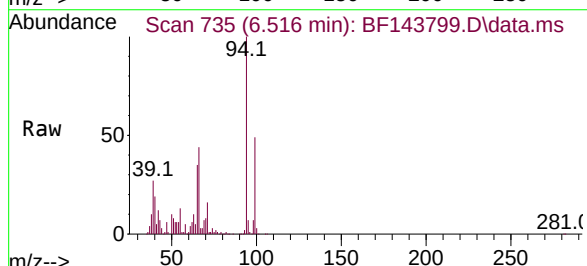
Concen: 41.956 ng m

RT: 6.516 min Scan# 735

Delta R.T. -0.012 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42



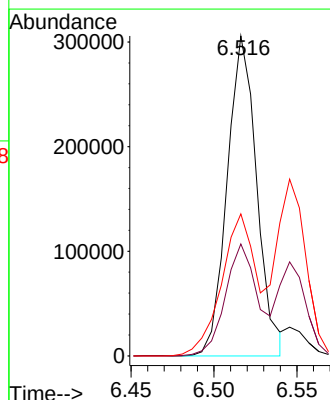
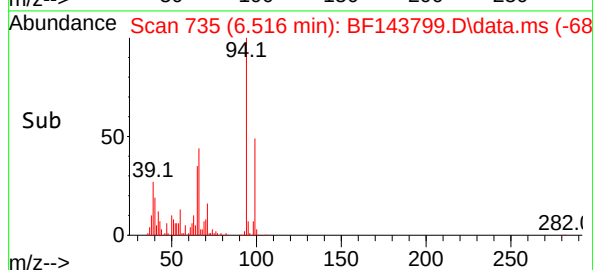
Tgt Ion: 94 Resp: 378799

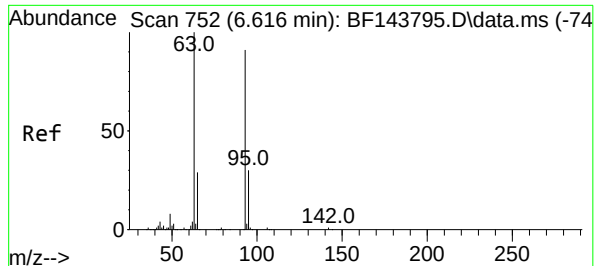
Ion Ratio Lower Upper

94 100

65 35.0 14.2 54.2

66 44.4 24.1 64.1





#11

bis(2-Chloroethyl)ether

Concen: 41.891 ng

RT: 6.616 min Scan# 752

Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325

Tgt Ion: 93 Resp: 296472

Ion Ratio Lower Upper

93 100

63 110.1 89.2 129.2

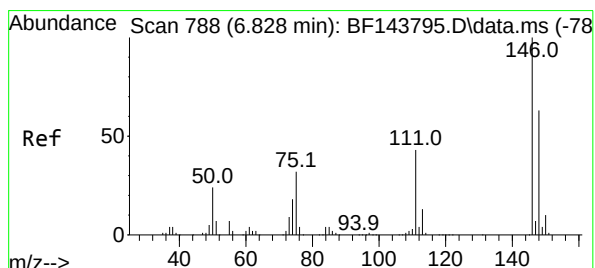
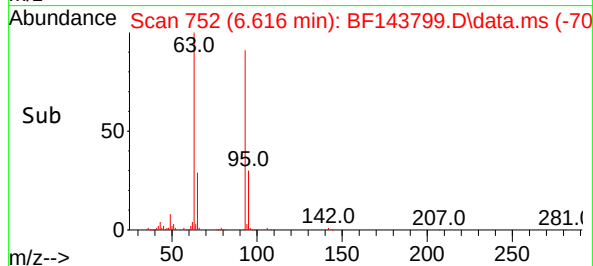
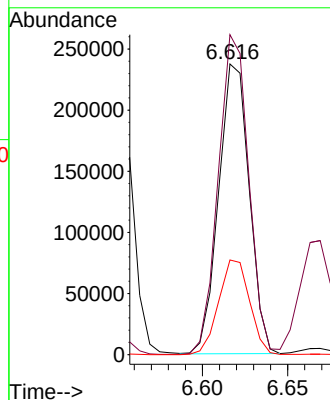
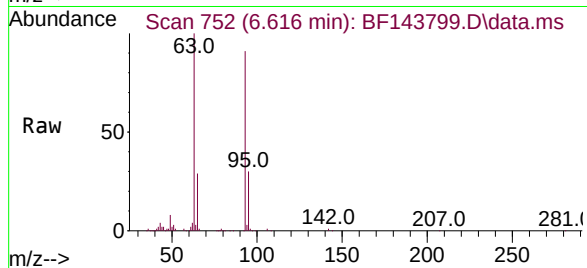
95 32.5 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#12

1,3-Dichlorobenzene

Concen: 42.271 ng

RT: 6.828 min Scan# 788

Delta R.T. 0.000 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

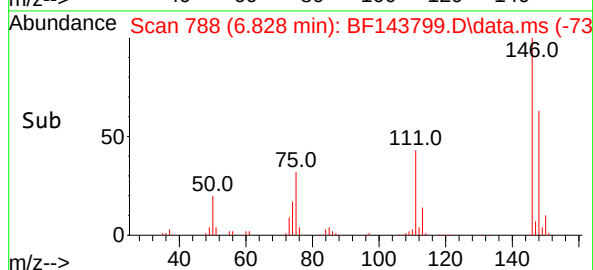
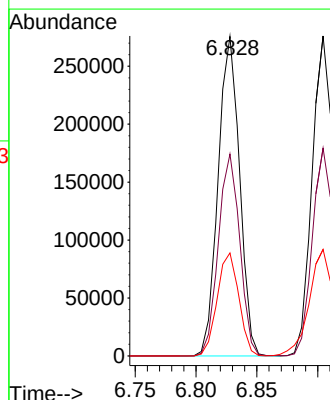
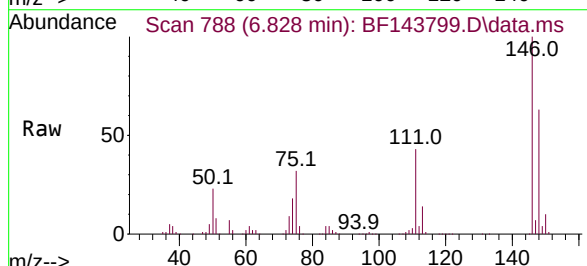
Tgt Ion:146 Resp: 337770

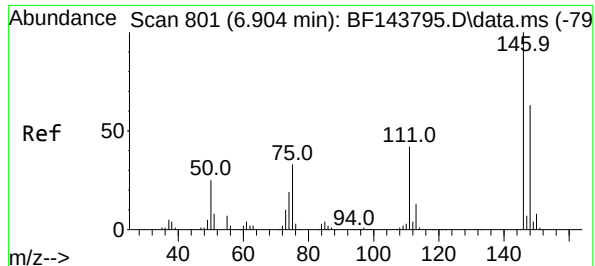
Ion Ratio Lower Upper

146 100

148 63.2 50.4 75.6

75 32.3 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 41.859 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325

Tgt Ion:146 Resp: 333799

Ion Ratio Lower Upper

146 100

148 64.9 50.7 76.1

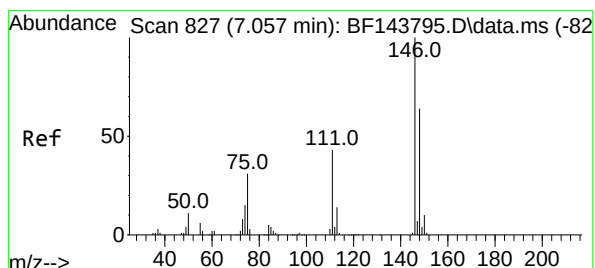
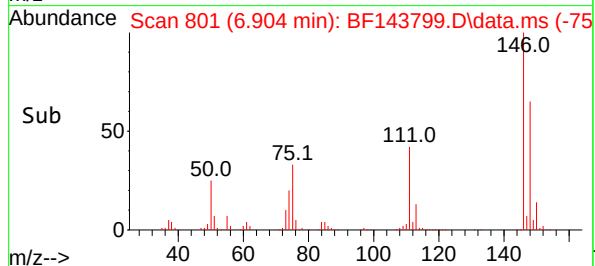
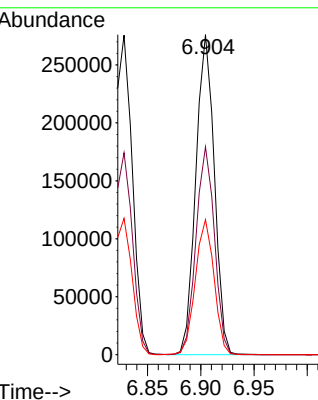
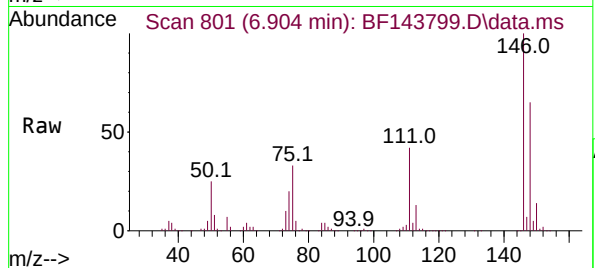
111 42.2 33.4 50.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#14

1,2-Dichlorobenzene

Concen: 41.736 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

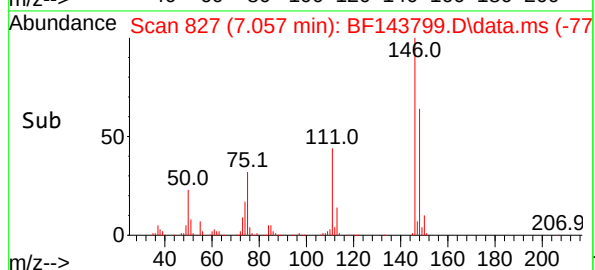
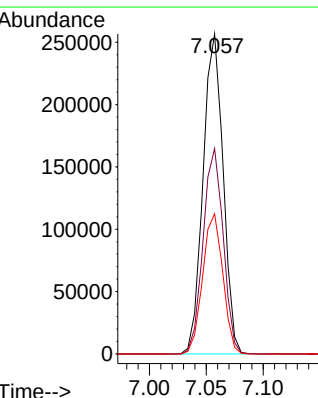
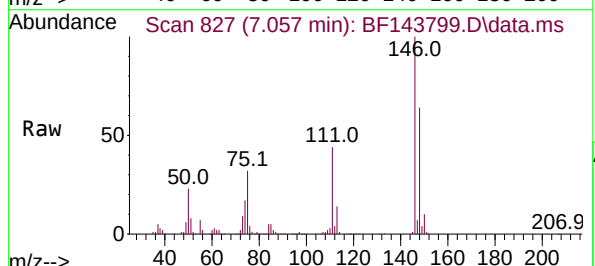
Tgt Ion:146 Resp: 315213

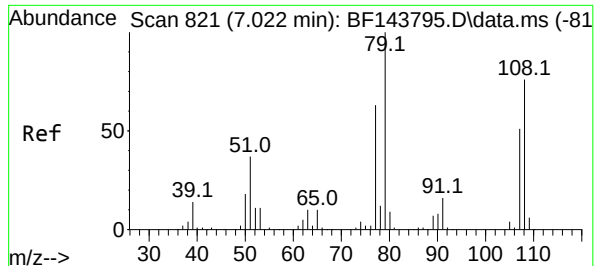
Ion Ratio Lower Upper

146 100

148 64.2 51.1 76.7

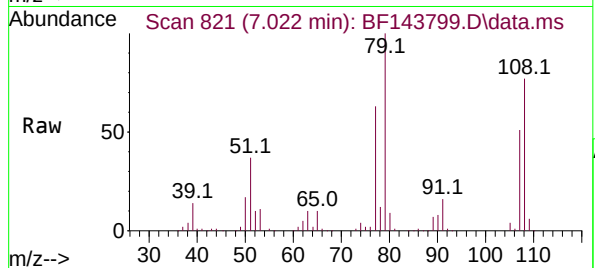
111 43.8 34.3 51.5





#15
Benzyl Alcohol
Concen: 42.558 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

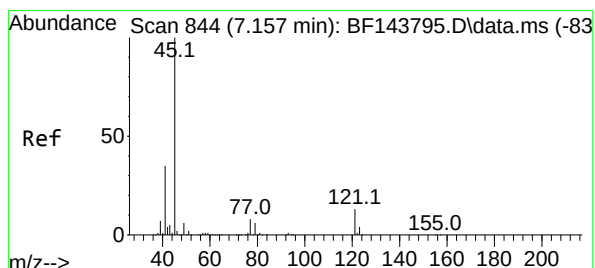
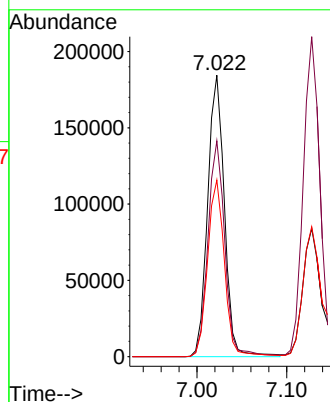
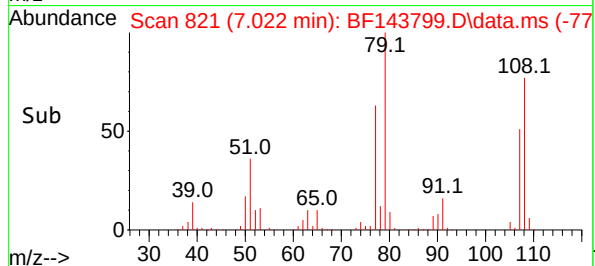
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion: 79 Resp: 23885
Ion Ratio Lower Upper
79 100
108 76.7 60.5 90.7
77 62.8 50.3 75.5

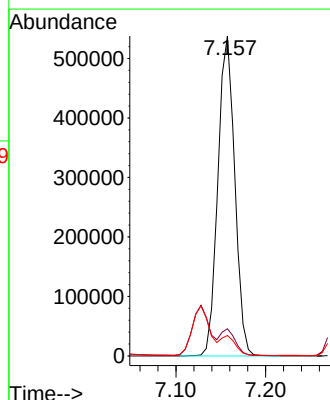
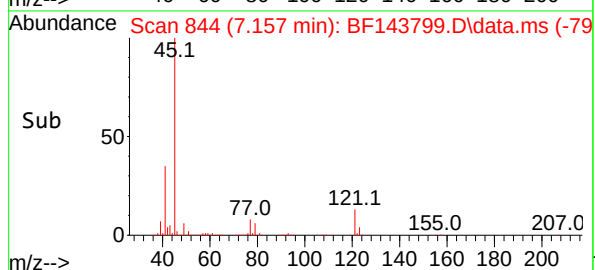
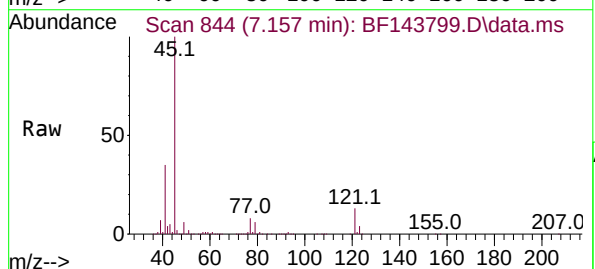
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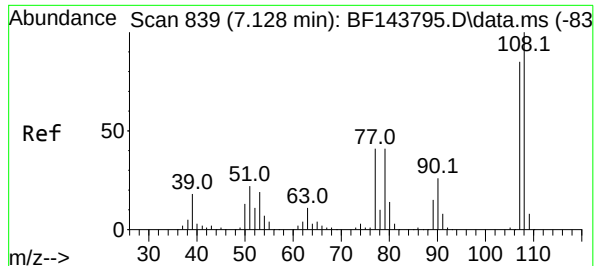
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.868 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

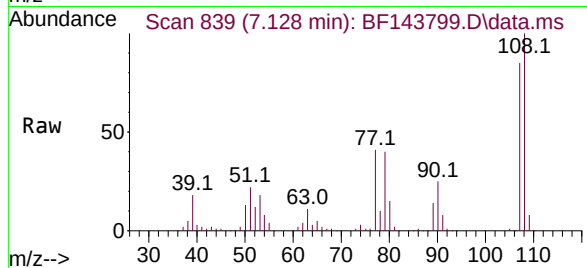
Tgt Ion: 45 Resp: 702630
Ion Ratio Lower Upper
45 100
77 8.5 0.0 28.5
79 6.4 0.0 26.3





#17
2-Methylphenol
Concen: 42.304 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

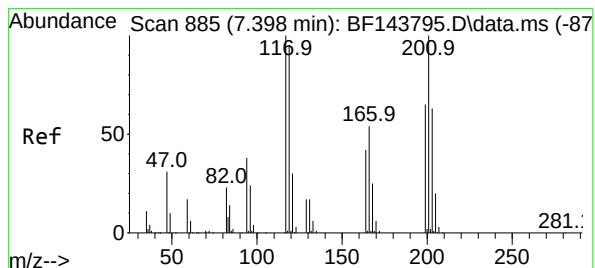
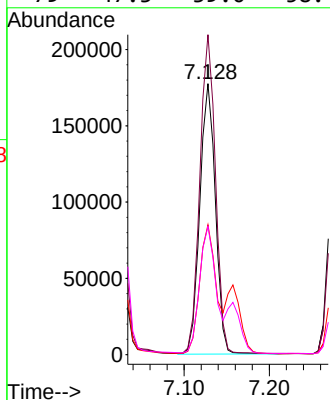
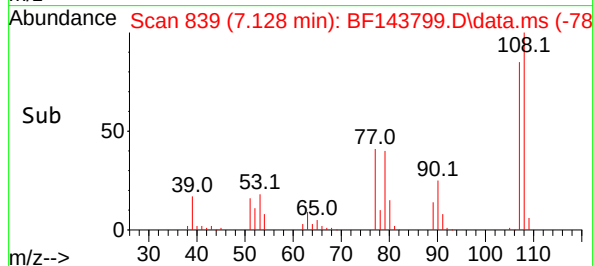
Instrument :
BNA_F
Client Sample Id :
ICVBF092325



Tgt Ion:107 Resp: 225398
Ion Ratio Lower Upper
107 100
108 118.1 94.2 141.4
77 47.9 38.6 58.0
79 47.3 39.0 58.4

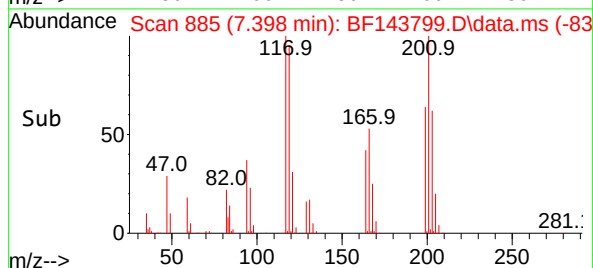
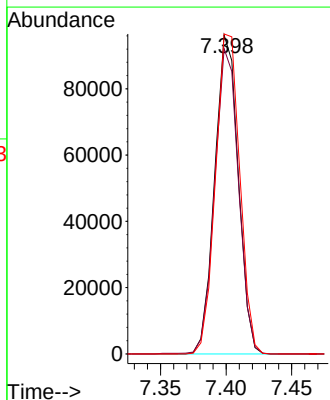
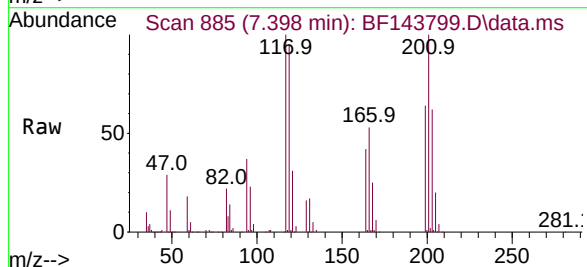
Manual Integrations
APPROVED

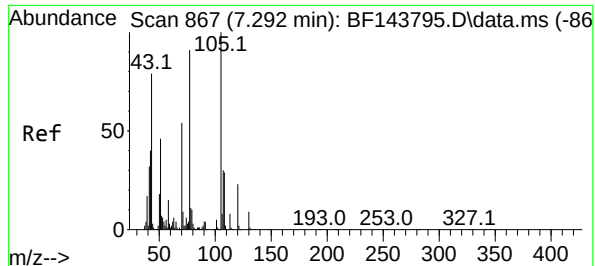
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#18
Hexachloroethane
Concen: 42.878 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

Tgt Ion:117 Resp: 120246
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.2
201 100.4 79.7 119.5





#19

n-Nitroso-di-n-propylamine

Concen: 39.810 ng

RT: 7.293 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325

Tgt Ion: 70 Resp: 198845

Ion Ratio Lower Upper

70 100

42 74.7 59.4 89.0

101 8.5 7.1 10.7

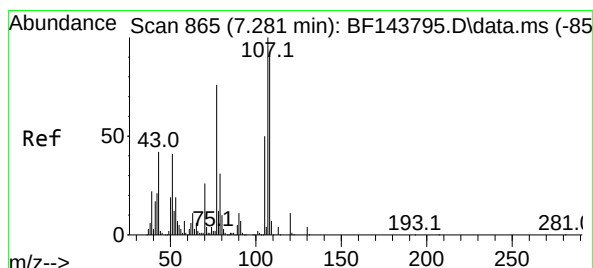
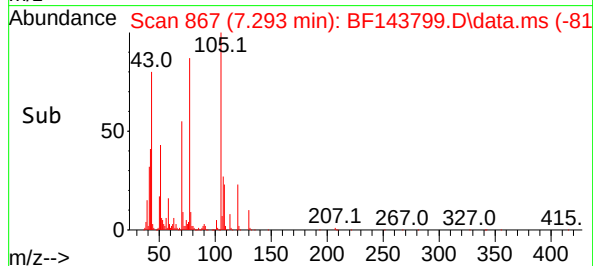
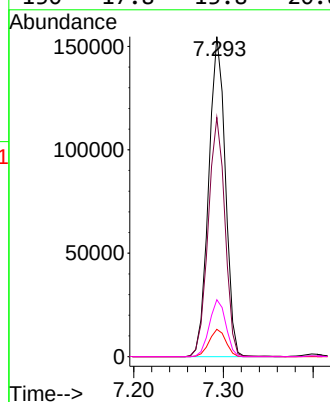
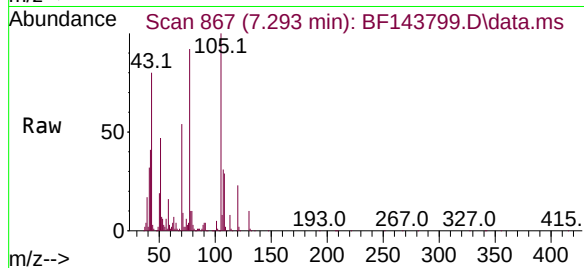
130 17.8 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#20

3+4-Methylphenols

Concen: 43.619 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Tgt Ion:107 Resp: 283024

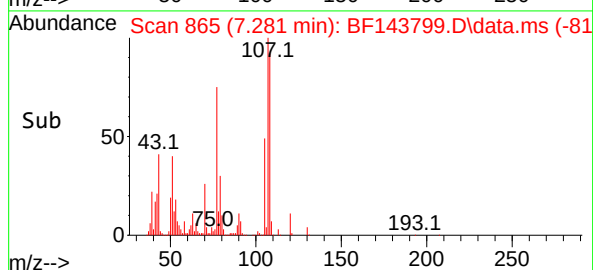
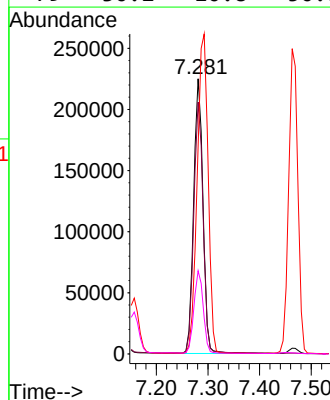
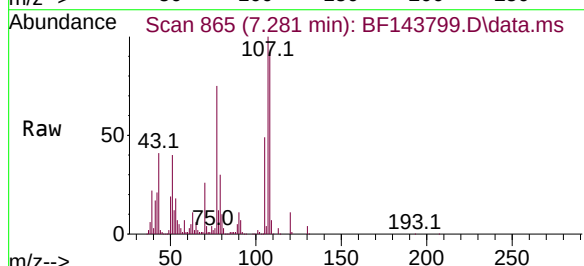
Ion Ratio Lower Upper

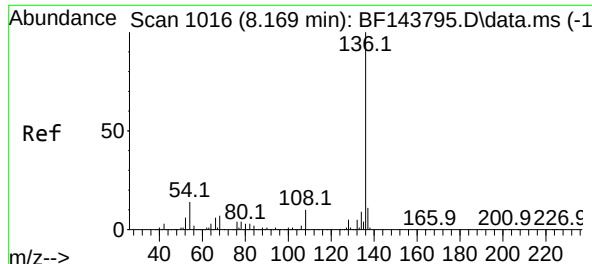
107 100

108 91.5 72.5 112.5

77 75.4 56.2 96.2

79 30.2 10.8 50.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325

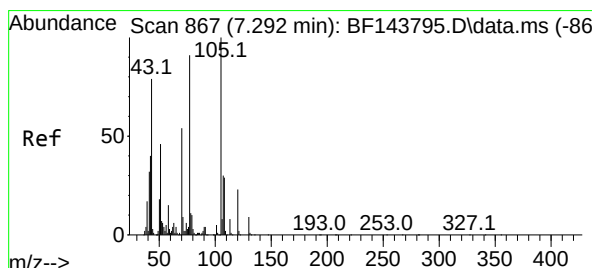
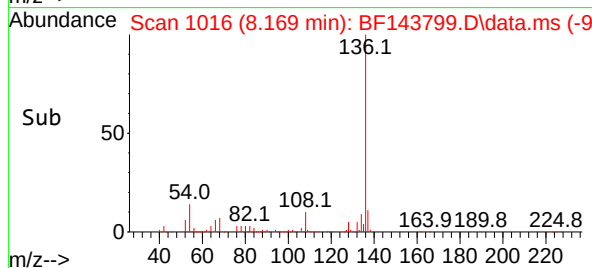
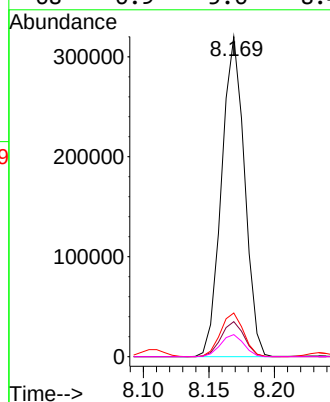
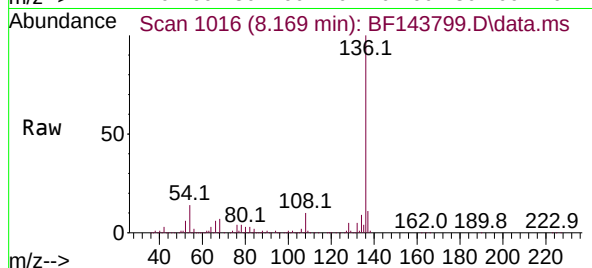
Tgt Ion:	136	Resp:	390323
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	13.6	11.2	16.8
68	6.9	5.6	8.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#22

Acetophenone

Concen: 41.524 ng

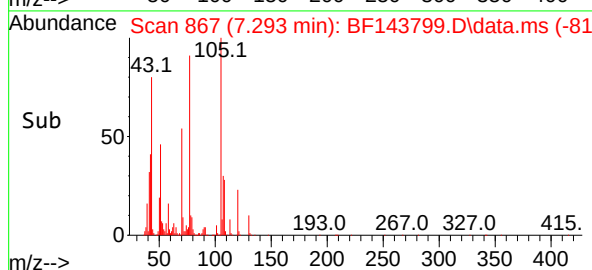
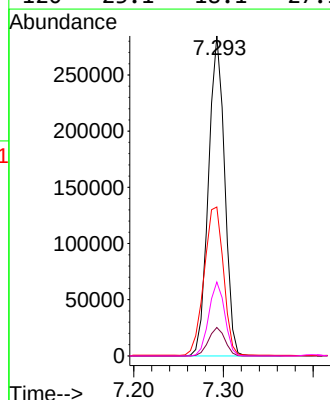
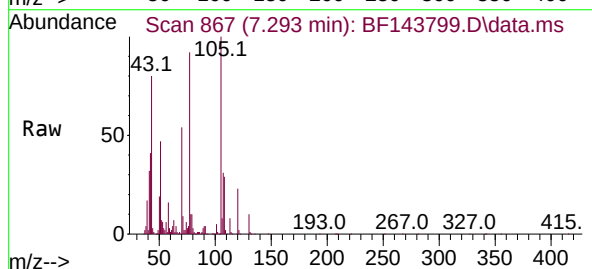
RT: 7.293 min Scan# 867

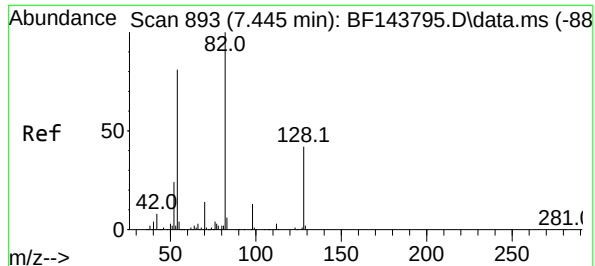
Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Tgt Ion:	105	Resp:	355985
Ion Ratio	Lower	Upper	
105	100		
71	8.9	7.0	10.4
51	46.5	36.6	55.0
120	23.1	18.1	27.1





#23

Nitrobenzene-d5

Concen: 90.799 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF143799.D

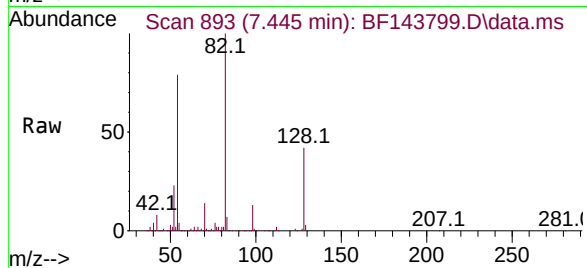
Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325



Tgt Ion: 82 Resp: 563159

Ion Ratio Lower Upper

82 100

128 42.2 33.3 49.9

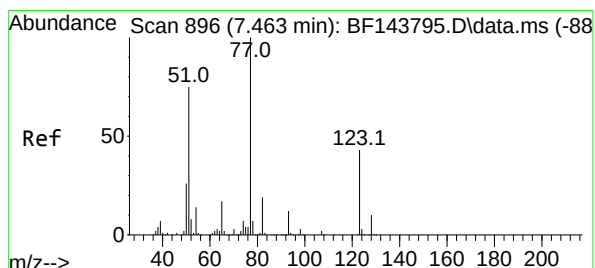
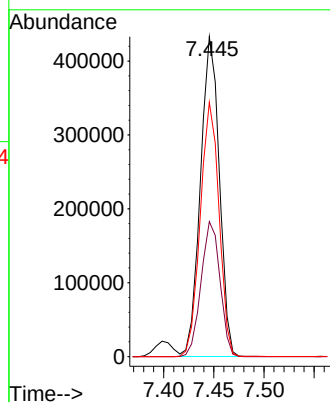
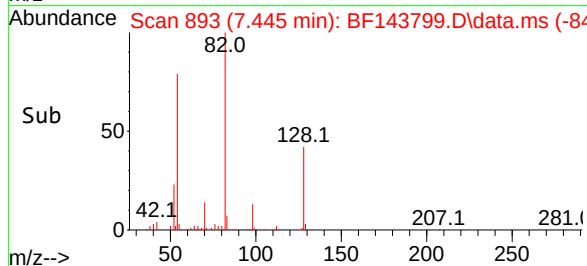
54 79.5 64.2 96.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#24

Nitrobenzene

Concen: 43.582 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

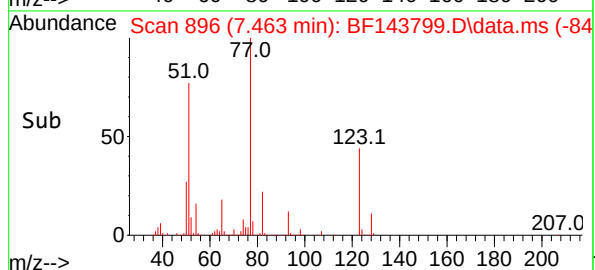
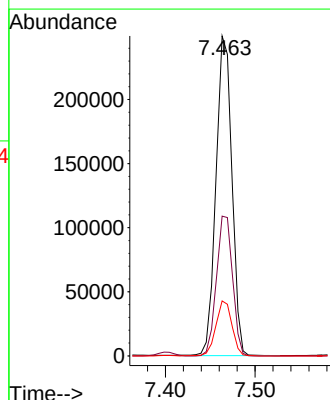
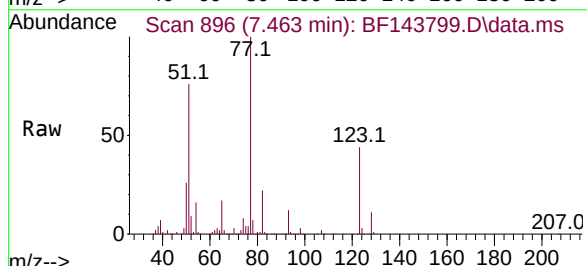
Tgt Ion: 77 Resp: 308041

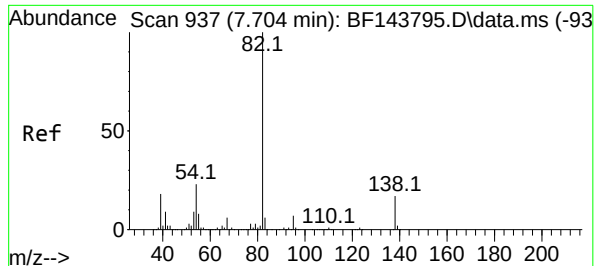
Ion Ratio Lower Upper

77 100

123 43.7 34.0 51.0

65 17.2 13.5 20.3





#25

Isophorone

Concen: 41.778 ng

RT: 7.704 min Scan# 937

Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

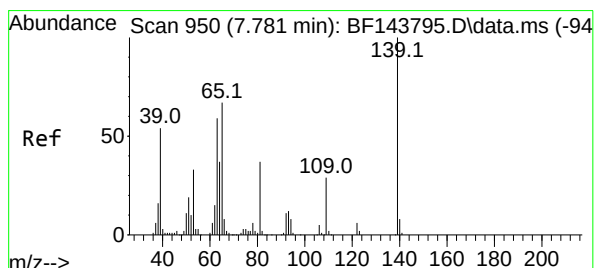
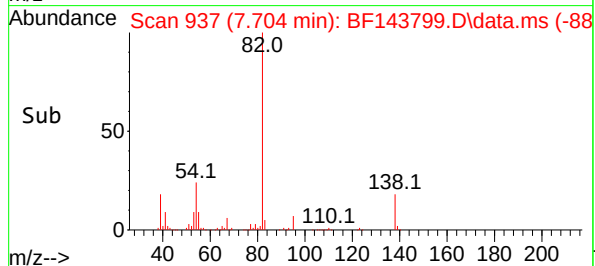
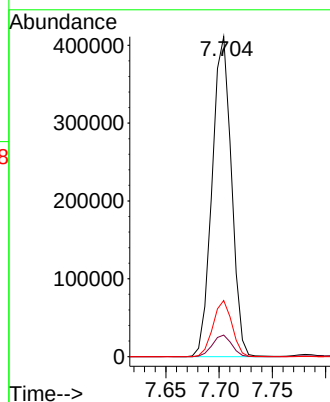
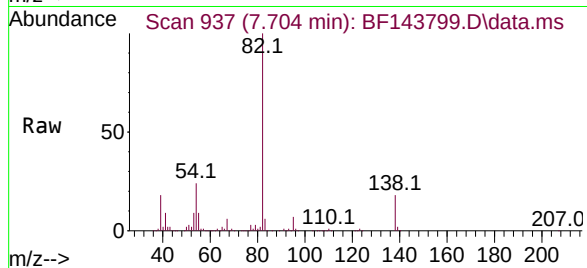
ICVBF092325

Tgt Ion:	82	Resp:	519134
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	17.5	13.7	20.5

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#26

2-Nitrophenol

Concen: 44.135 ng

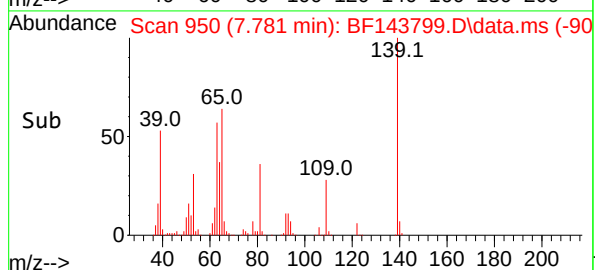
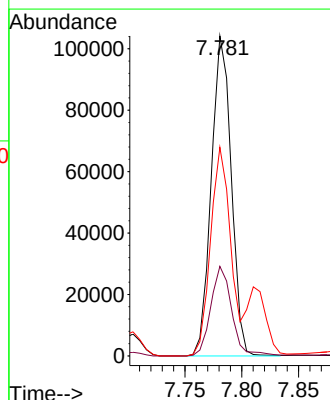
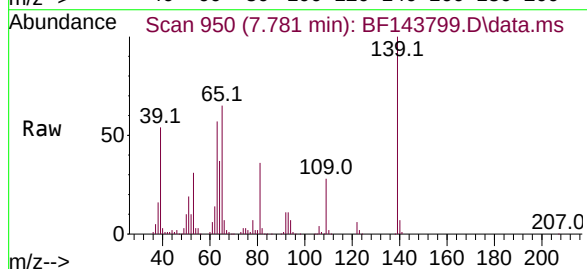
RT: 7.781 min Scan# 950

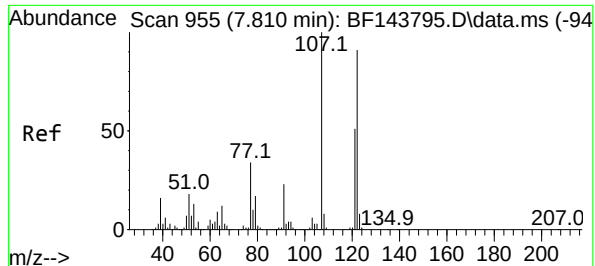
Delta R.T. -0.005 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

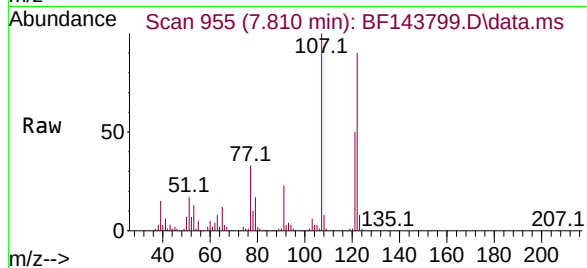
Tgt Ion:	139	Resp:	127397
Ion	Ratio	Lower	Upper
139	100		
109	28.0	23.3	34.9
65	65.2	53.8	80.6





#27
2,4-Dimethylphenol
Concen: 42.725 ng
RT: 7.810 min Scan# 955
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

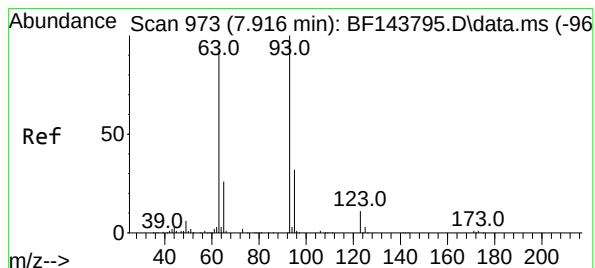
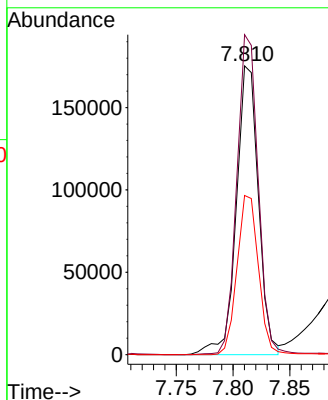
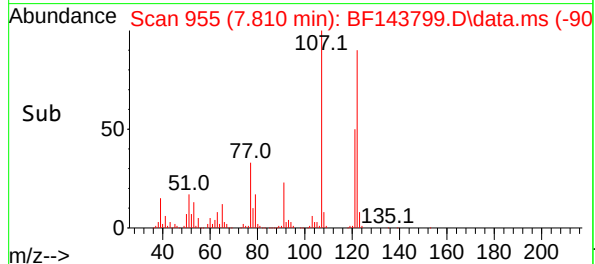
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:122 Resp: 237292
Ion Ratio Lower Upper
122 100
107 110.8 87.5 131.3
121 55.1 44.2 66.4

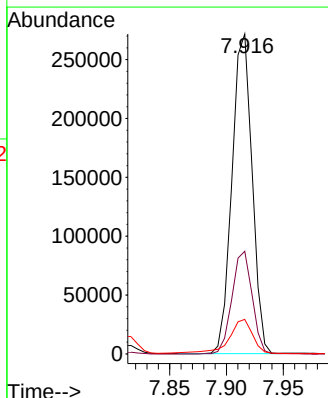
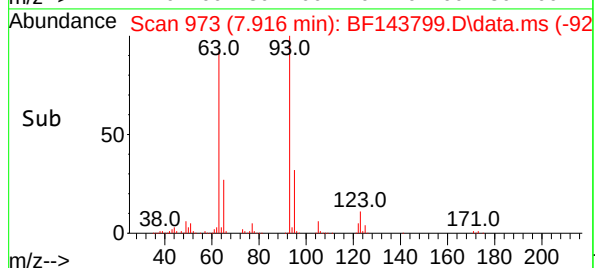
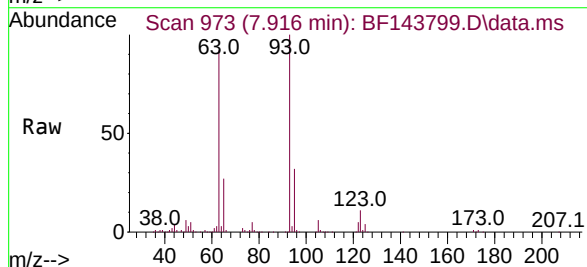
Manual Integrations
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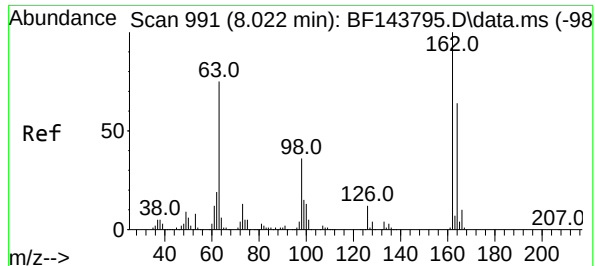
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#28
bis(2-Chloroethoxy)methane
Concen: 41.459 ng
RT: 7.916 min Scan# 973
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

Tgt Ion: 93 Resp: 334704
Ion Ratio Lower Upper
93 100
95 32.1 25.8 38.8
123 10.8 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 42.921 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325

Tgt Ion:162 Resp: 23456

Ion Ratio Lower Upper

162 100

164 64.3 44.1 84.1

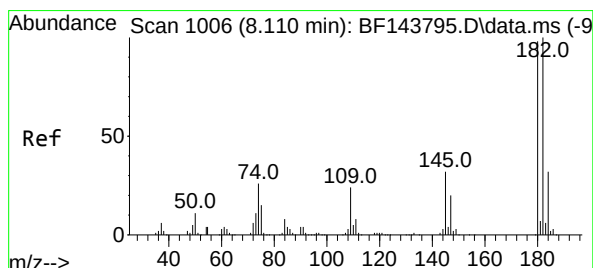
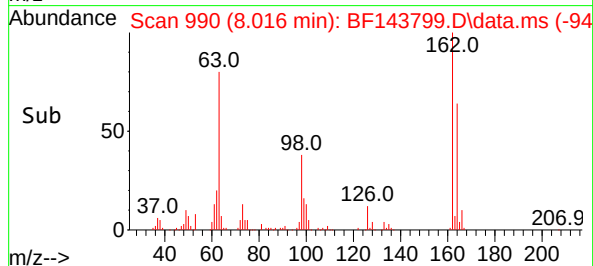
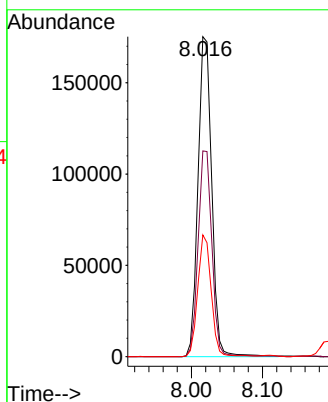
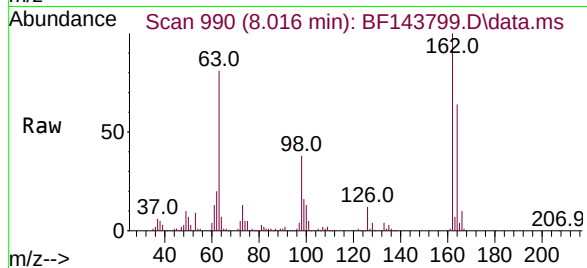
98 38.0 15.8 55.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#30

1,2,4-Trichlorobenzene

Concen: 42.395 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

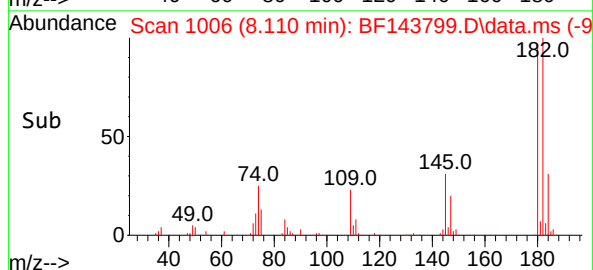
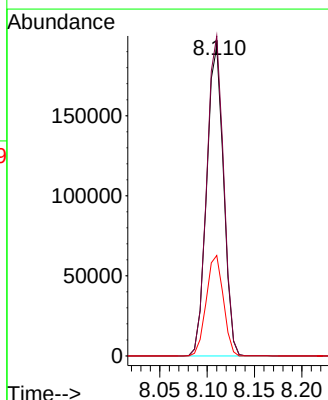
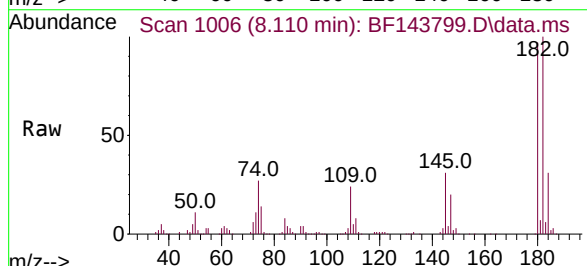
Tgt Ion:180 Resp: 240436

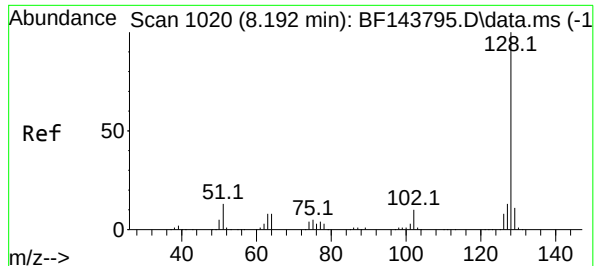
Ion Ratio Lower Upper

180 100

182 103.4 82.0 123.0

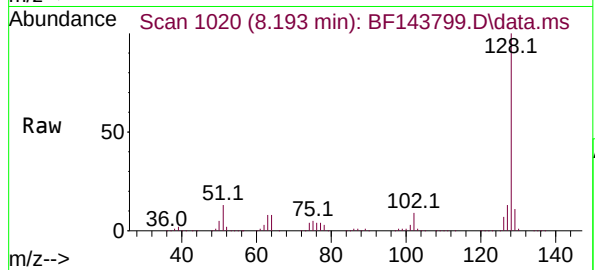
145 32.4 25.9 38.9





#31
Naphthalene
Concen: 42.019 ng
RT: 8.193 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

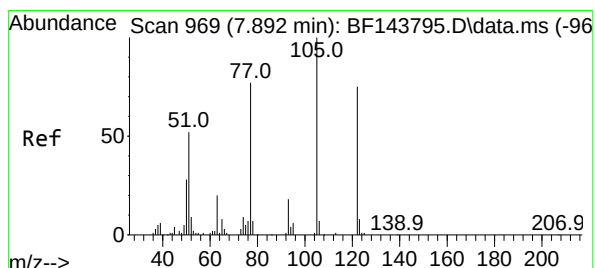
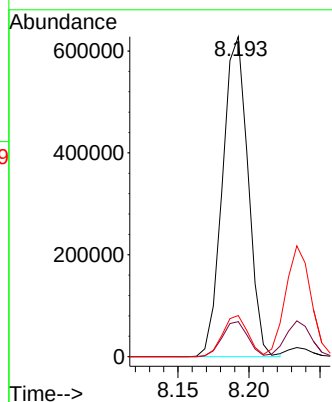
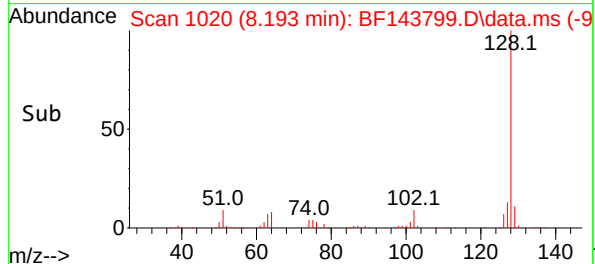
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:128 Resp: 785137
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.8 10.2 15.4

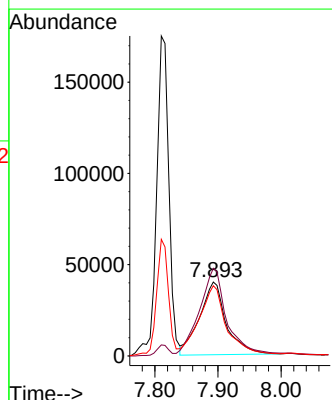
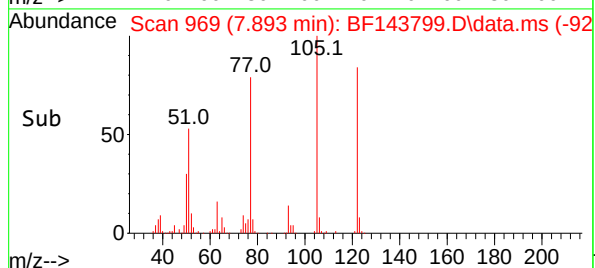
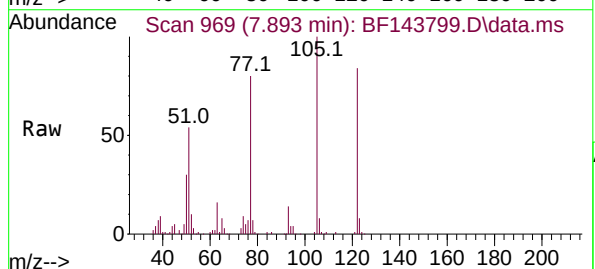
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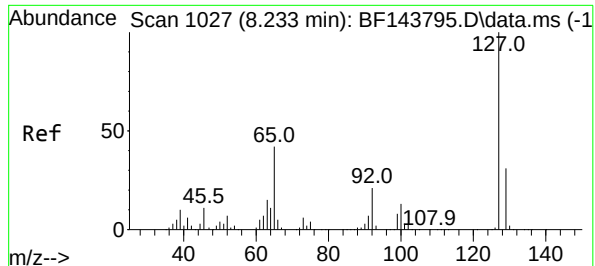
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#32
Benzoic acid
Concen: 43.922 ng
RT: 7.893 min Scan# 969
Delta R.T. -0.029 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

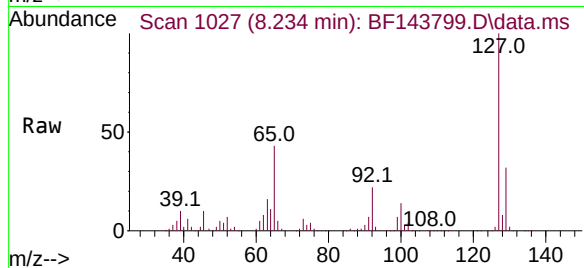
Tgt Ion:122 Resp: 117697
Ion Ratio Lower Upper
122 100
105 118.7 103.7 143.7
77 94.9 78.8 118.8





#33
4-Chloroaniline
Concen: 41.955 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

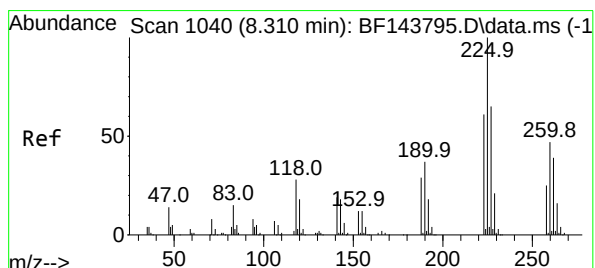
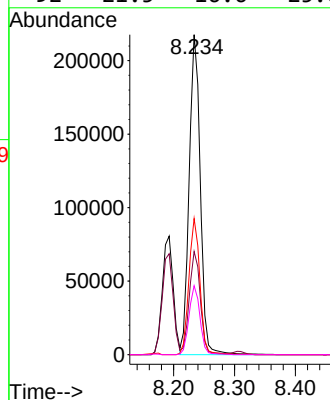
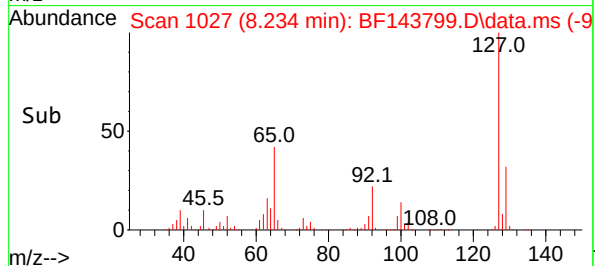
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:127 Resp: 275488
Ion Ratio Lower Upper
127 100
129 32.2 25.4 38.2
65 42.5 33.4 50.2
92 21.5 16.6 25.0

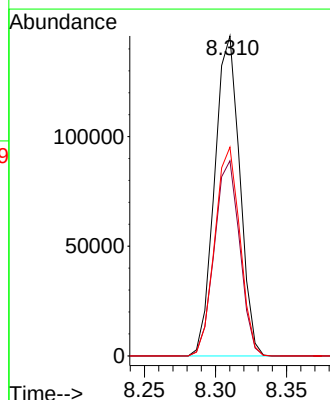
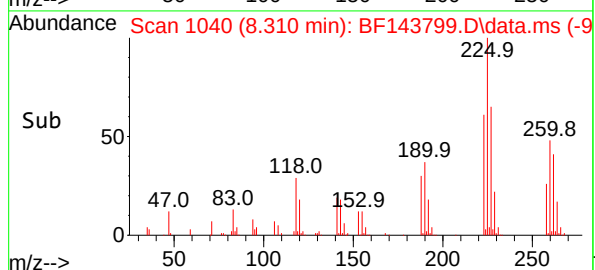
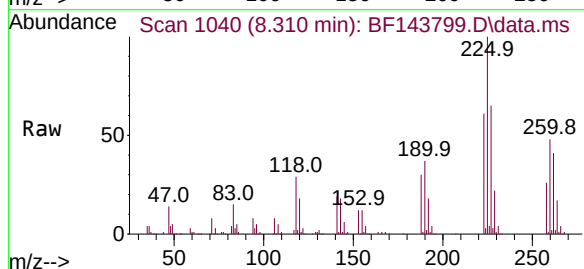
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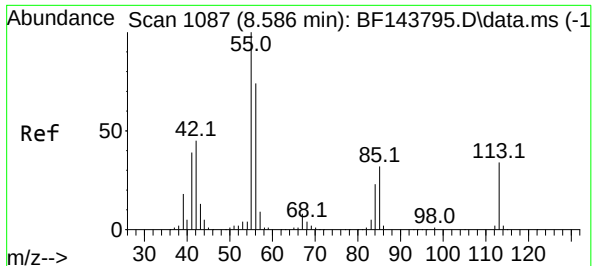
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#34
Hexachlorobutadiene
Concen: 42.413 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

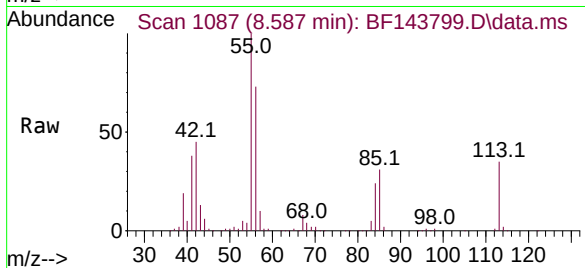
Tgt Ion:225 Resp: 179313
Ion Ratio Lower Upper
225 100
223 61.0 48.6 72.8
227 65.2 51.9 77.9





#35
Caprolactam
Concen: 44.018 ng
RT: 8.587 min Scan# 1087
Delta R.T. -0.023 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

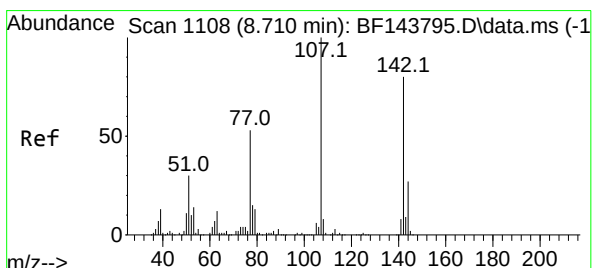
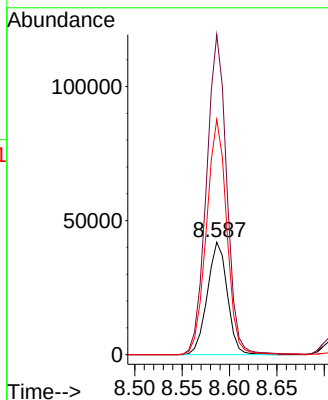
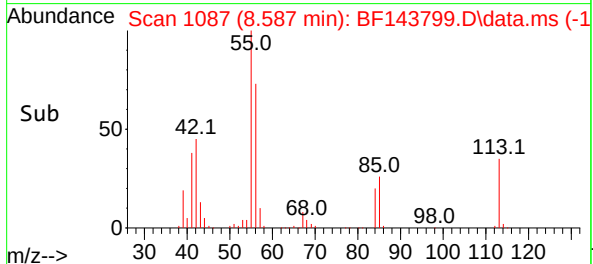
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:113 Resp: 61486
Ion Ratio Lower Upper
113 100
55 284.8 271.7 311.7
56 209.2 194.5 234.5

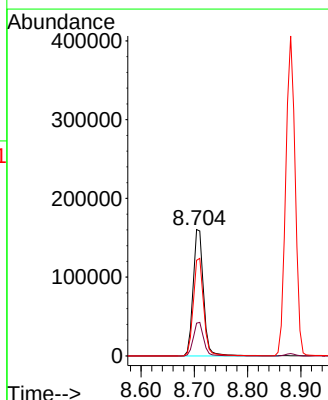
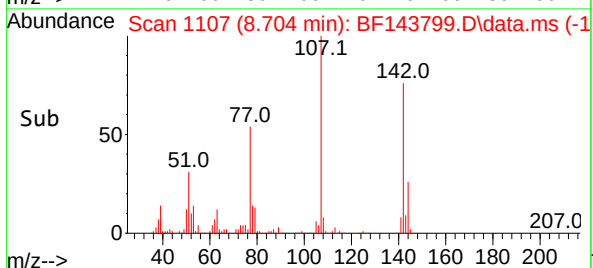
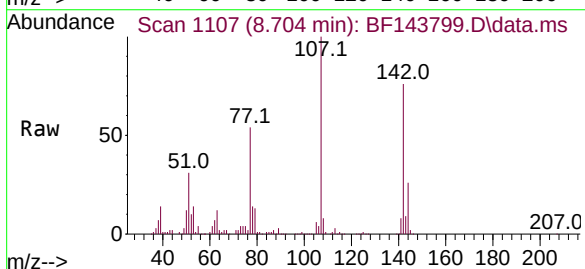
Manual Integrations
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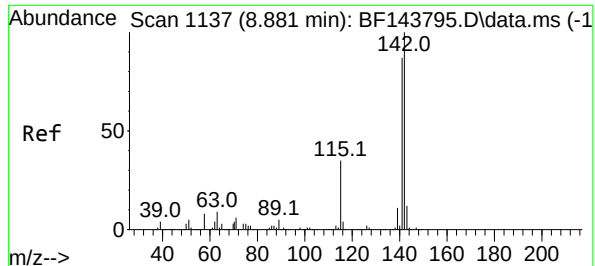
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#36
4-Chloro-3-methylphenol
Concen: 42.485 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

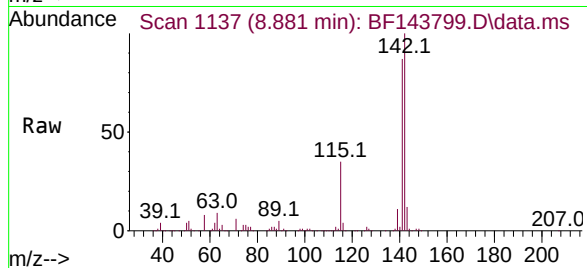
Tgt Ion:107 Resp: 217750
Ion Ratio Lower Upper
107 100
144 26.0 21.8 32.8
142 75.7 63.6 95.4





#37
2-Methylnaphthalene
Concen: 41.689 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

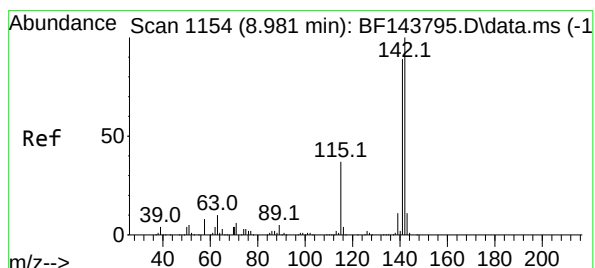
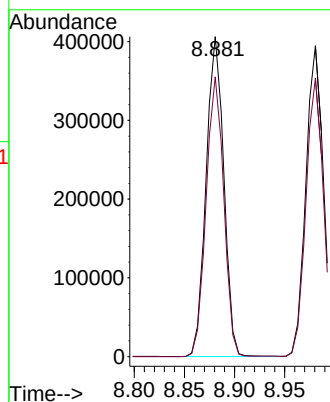
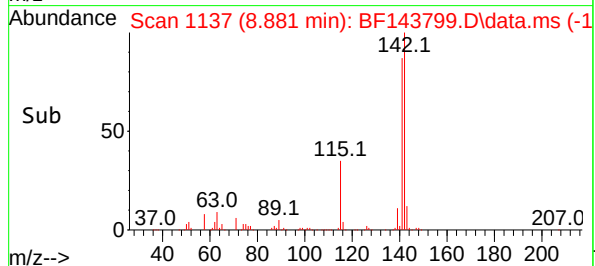
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:142 Resp: 496707
Ion Ratio Lower Upper
142 100
141 87.4 69.4 104.0

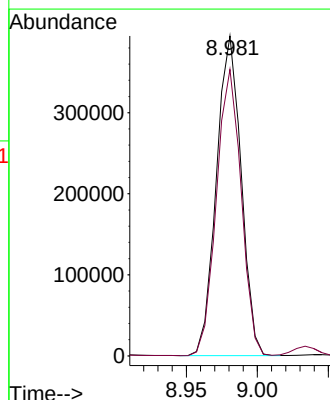
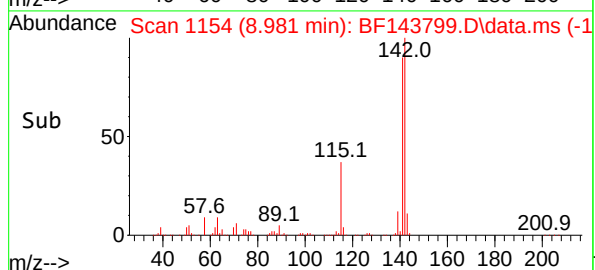
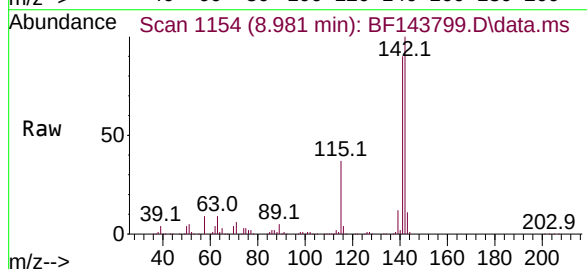
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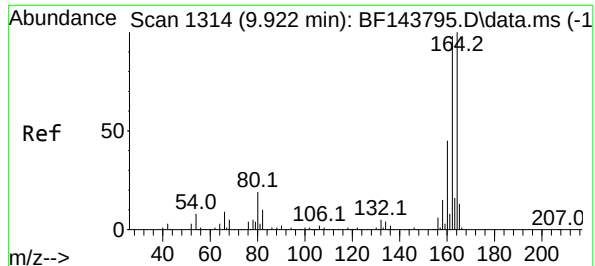
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#38
1-Methylnaphthalene
Concen: 41.968 ng
RT: 8.981 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

Tgt Ion:142 Resp: 478612
Ion Ratio Lower Upper
142 100
141 89.5 71.1 106.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF143799.D

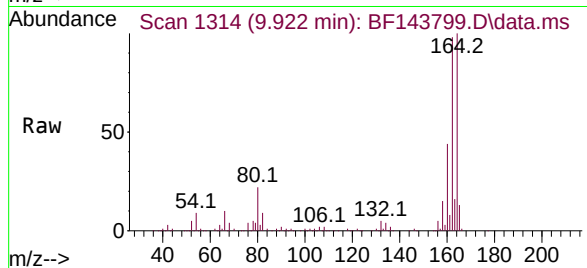
Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325



Tgt Ion:164 Resp: 191064

Ion Ratio Lower Upper

164 100

162 97.9 78.8 118.2

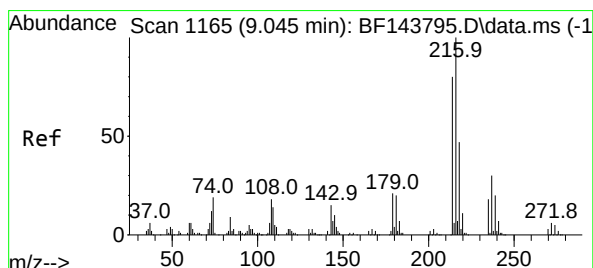
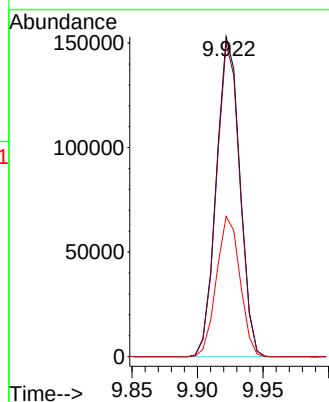
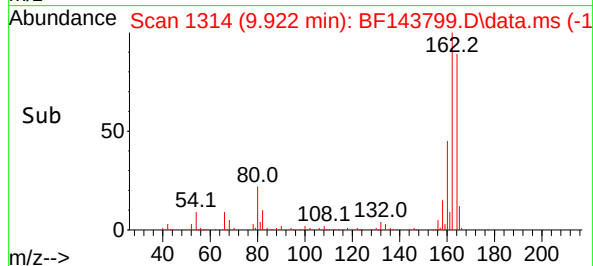
160 43.8 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.989 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Tgt Ion:216 Resp: 242106

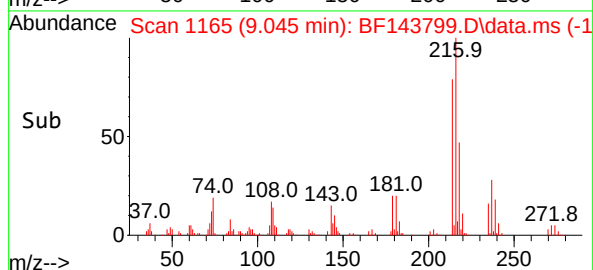
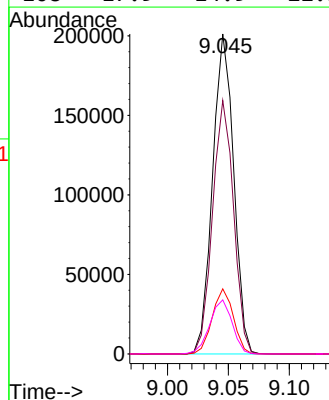
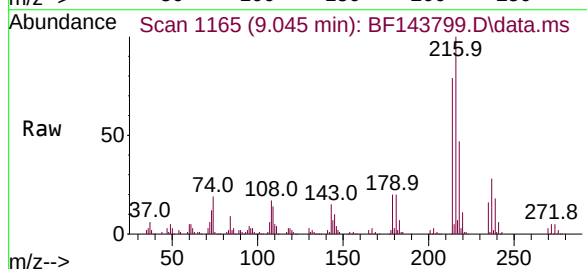
Ion Ratio Lower Upper

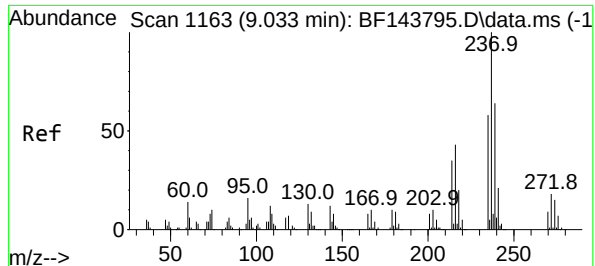
216 100

214 79.0 63.7 95.5

179 20.4 16.5 24.7

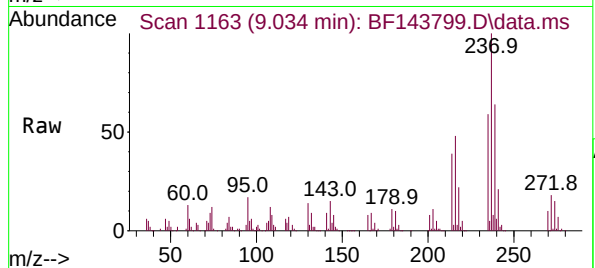
108 17.9 14.9 22.3





#41
Hexachlorocyclopentadiene
Concen: 43.786 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

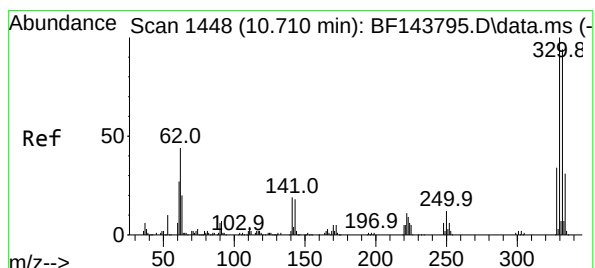
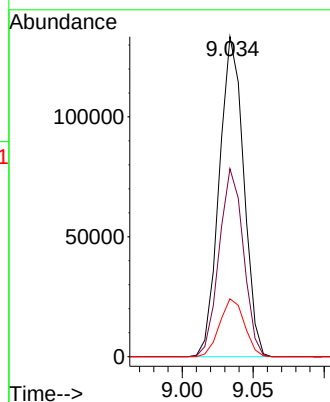
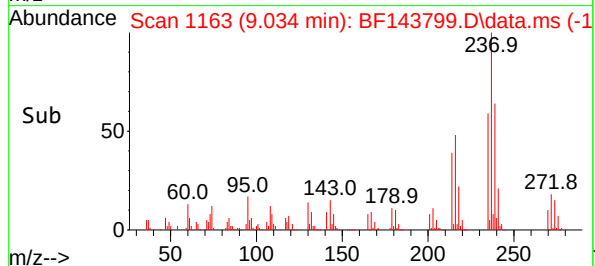
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



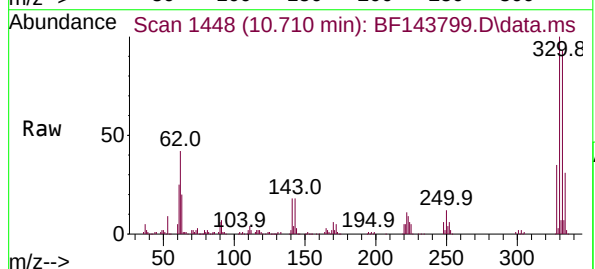
Tgt Ion:237 Resp: 160009
Ion Ratio Lower Upper
237 100
235 58.7 38.1 78.1
272 18.1 0.0 37.9

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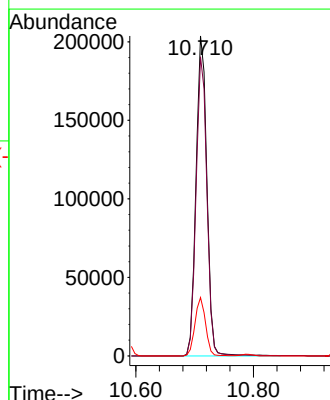
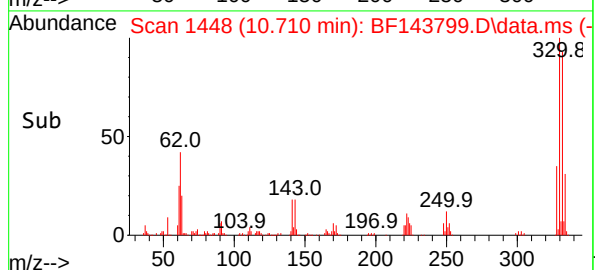
Reviewed By :Rahul Chavli 09/24/2025
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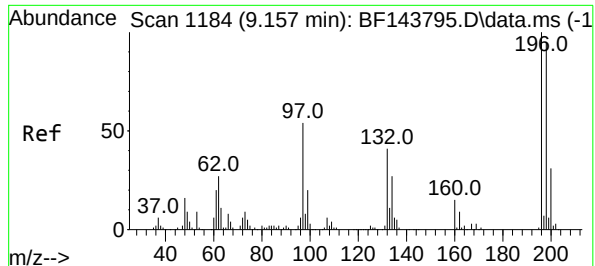


#42
2,4,6-Tribromophenol
Concen: 95.600 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42



Tgt Ion:330 Resp: 260676
Ion Ratio Lower Upper
330 100
332 93.5 74.7 112.1
141 17.8 14.3 21.5





#43

2,4,6-Trichlorophenol

Concen: 45.018 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325

Tgt Ion:196 Resp: 16253

Ion Ratio Lower Upper

196 100

198 97.4 76.2 114.2

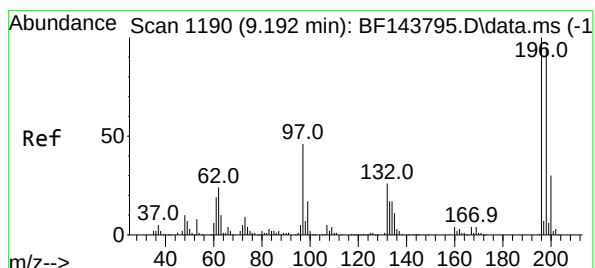
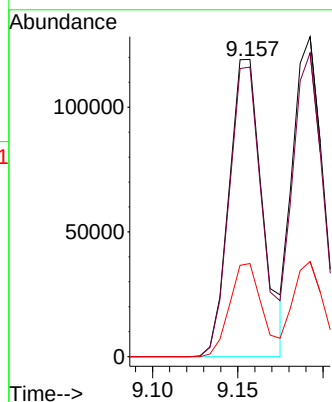
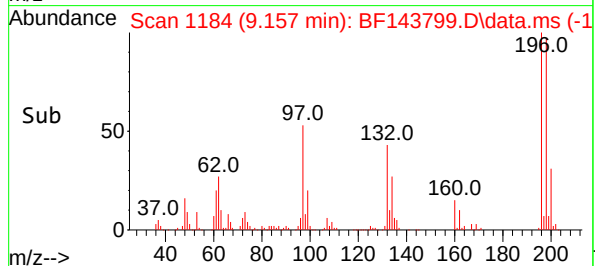
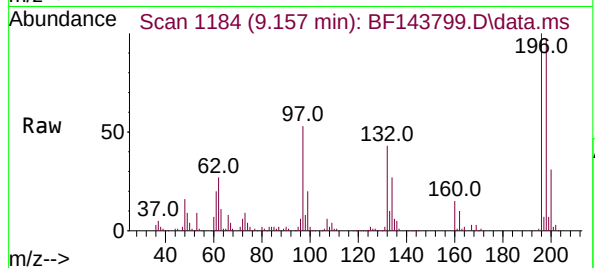
200 31.3 24.7 37.1

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Supervised By :Jagrut Upadhyay 09/24/2025



#44

2,4,5-Trichlorophenol

Concen: 42.310 ng

RT: 9.192 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Tgt Ion:196 Resp: 159783

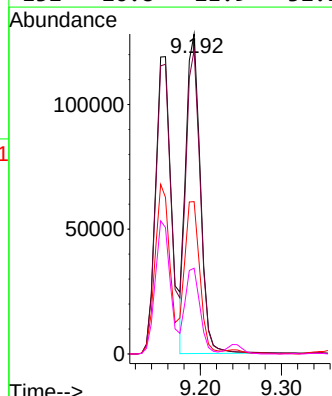
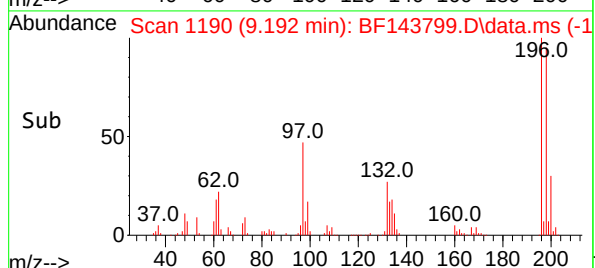
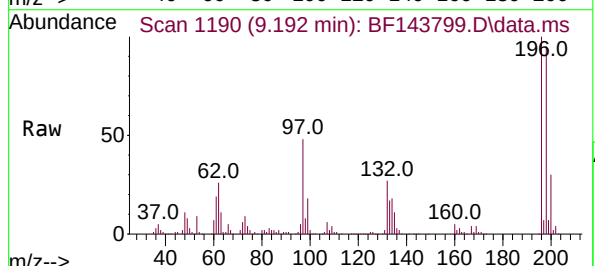
Ion Ratio Lower Upper

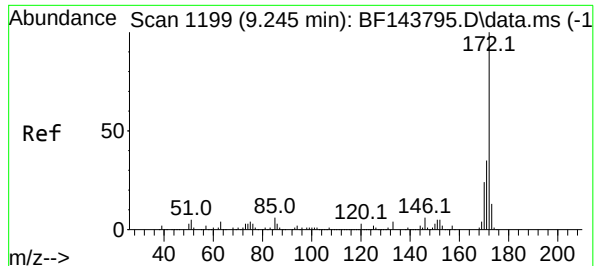
196 100

198 94.9 75.9 113.9

97 47.6 38.3 57.5

132 26.8 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 79.843 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143799.D

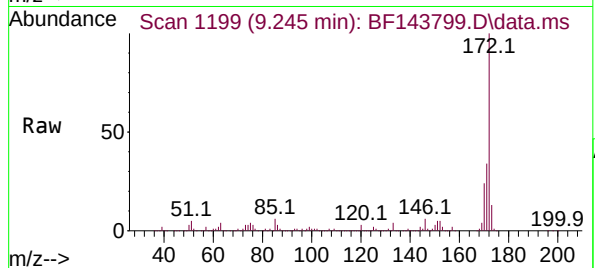
Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325



Tgt Ion:172 Resp: 1032314

Ion Ratio Lower Upper

172 100

171 34.4 27.9 41.9

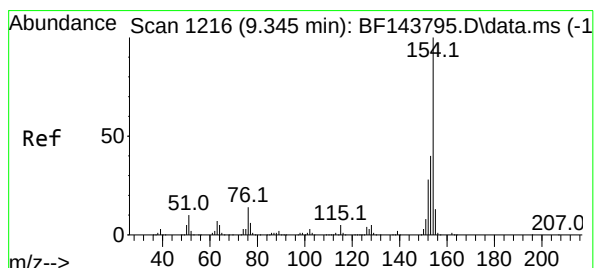
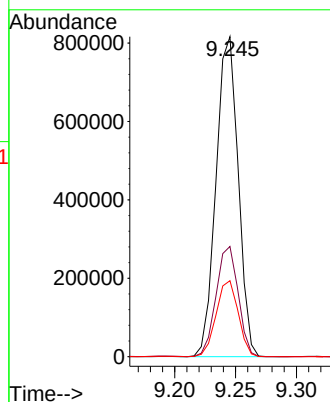
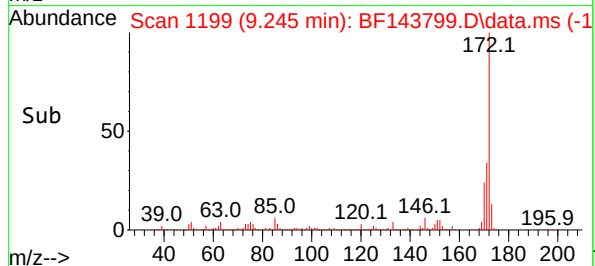
170 23.7 19.1 28.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#46

1,1'-Biphenyl

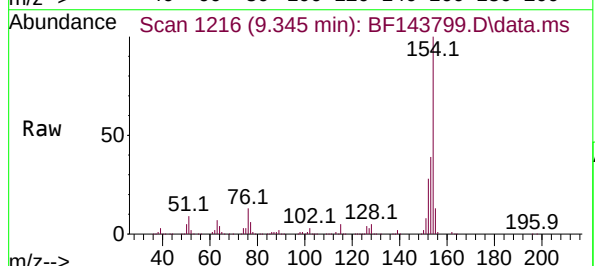
Concen: 41.254 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42



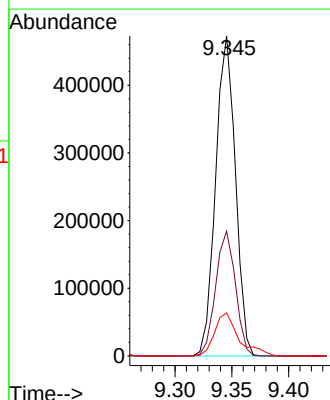
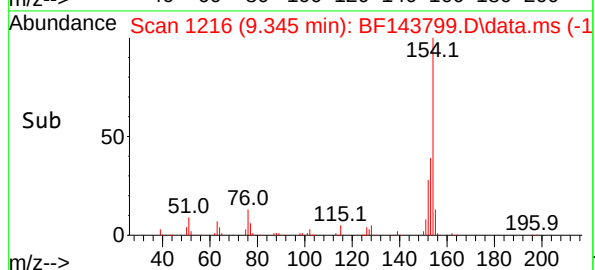
Tgt Ion:154 Resp: 570562

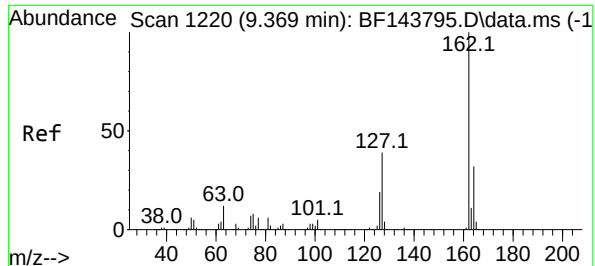
Ion Ratio Lower Upper

154 100

153 39.0 19.7 59.7

76 13.4 0.0 33.8





#47

2-Chloronaphthalene

Concen: 41.133 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325

Tgt Ion:162 Resp: 457929

Ion Ratio Lower Upper

162 100

127 40.7 31.5 47.3

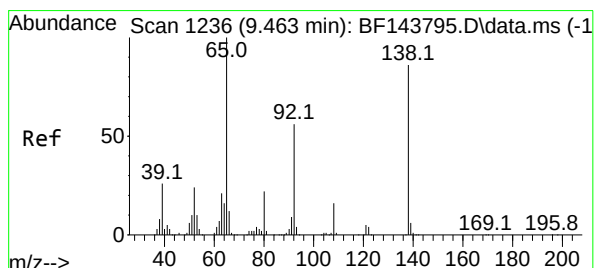
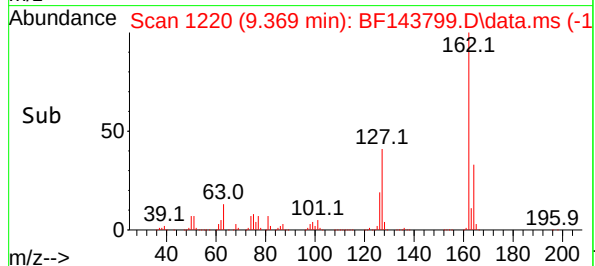
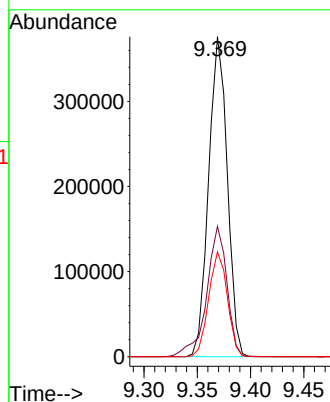
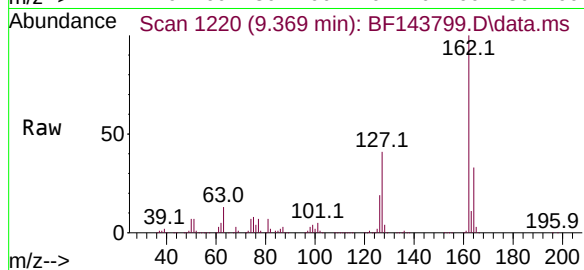
164 32.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#48

2-Nitroaniline

Concen: 48.090 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

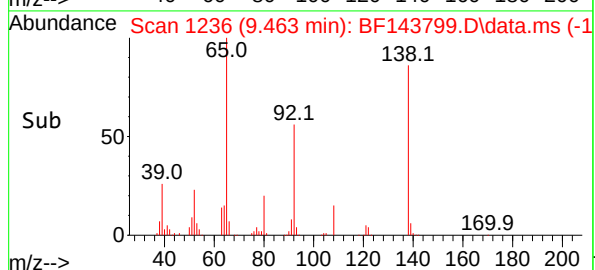
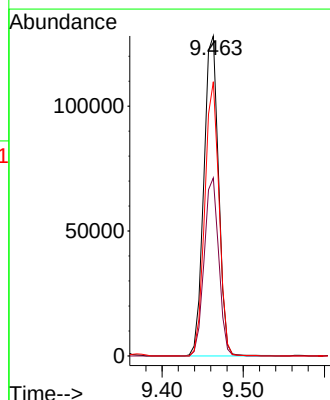
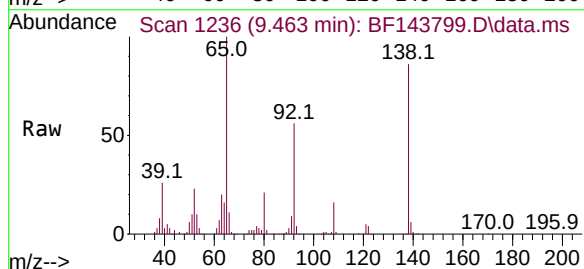
Tgt Ion: 65 Resp: 161814

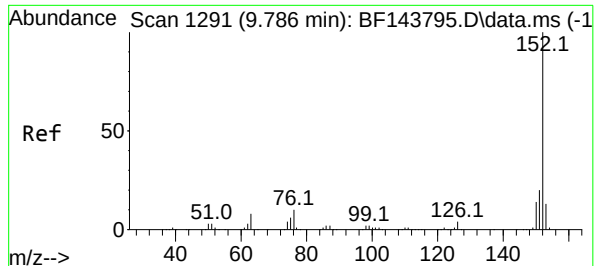
Ion Ratio Lower Upper

65 100

92 55.6 44.9 67.3

138 85.7 69.0 103.4





#49

Acenaphthylene

Concen: 42.279 ng

RT: 9.787 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143799.D

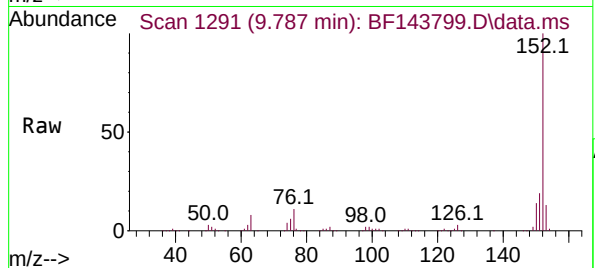
Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325



Tgt Ion:152 Resp: 647976

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

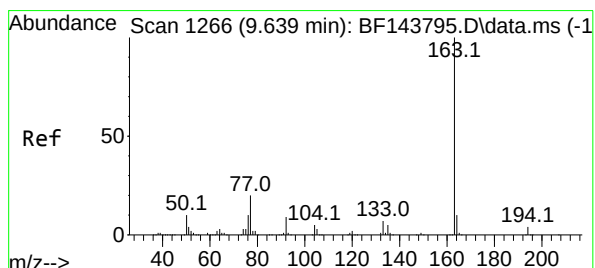
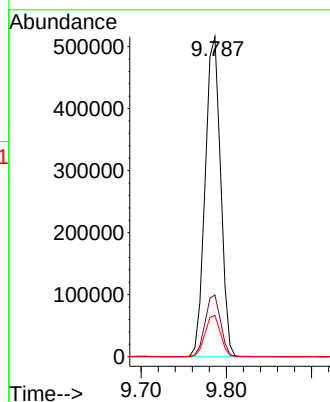
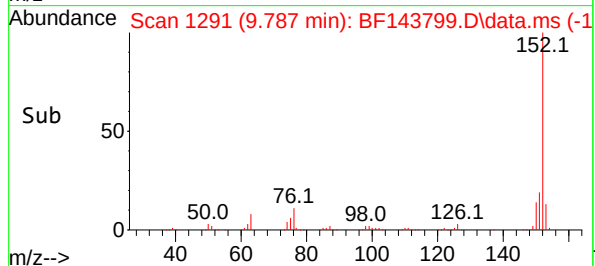
153 12.9 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#50

Dimethylphthalate

Concen: 42.624 ng

RT: 9.639 min Scan# 1266

Delta R.T. 0.000 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

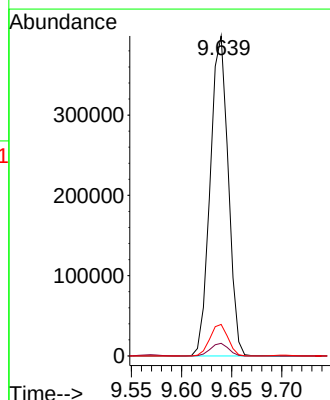
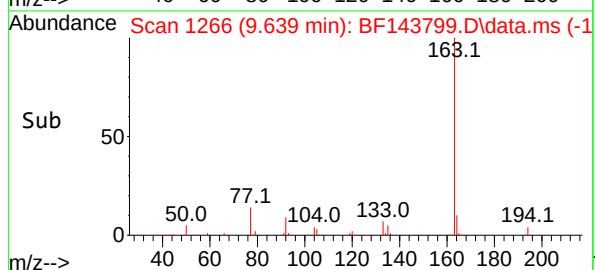
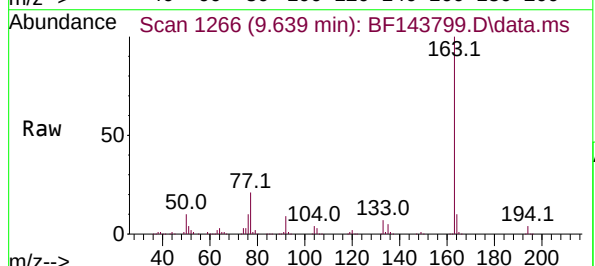
Tgt Ion:163 Resp: 496374

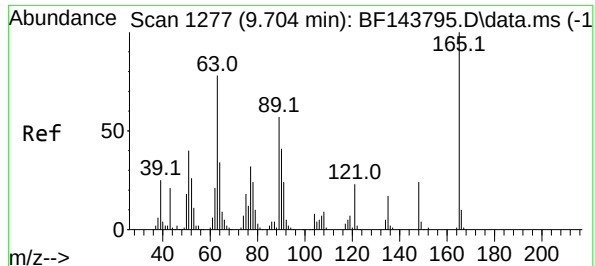
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

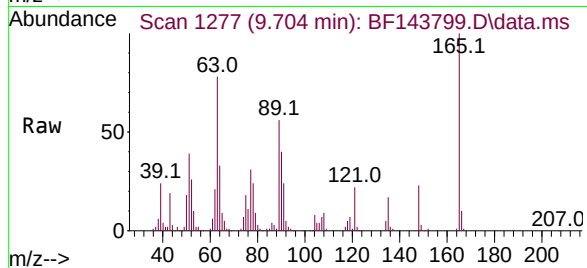
164 9.8 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 48.254 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

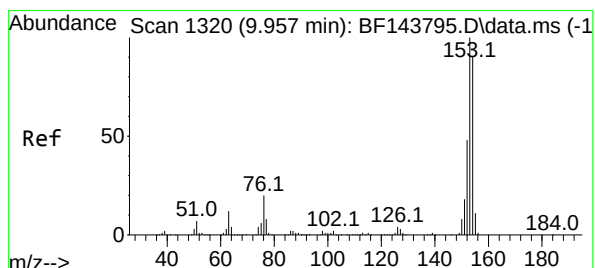
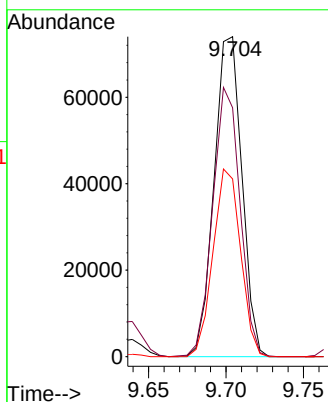
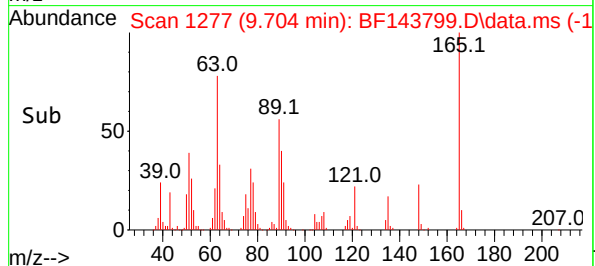
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:165 Resp: 92326
Ion Ratio Lower Upper
165 100
63 77.8 62.6 94.0
89 55.5 45.2 67.8

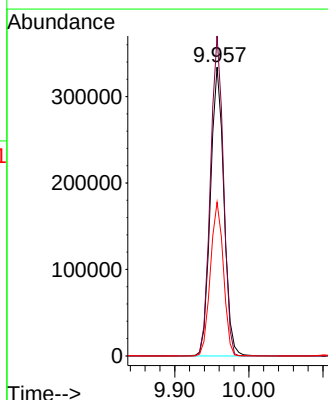
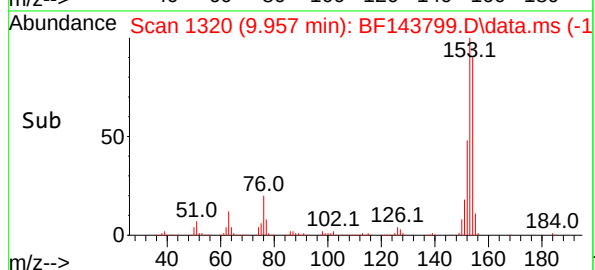
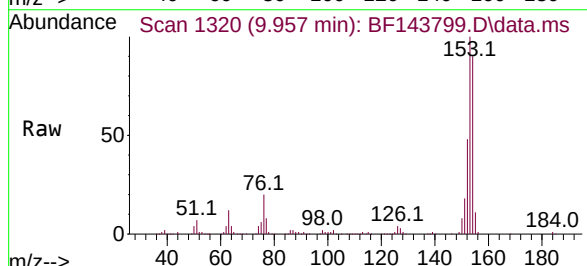
Manual Integrations
APPROVED

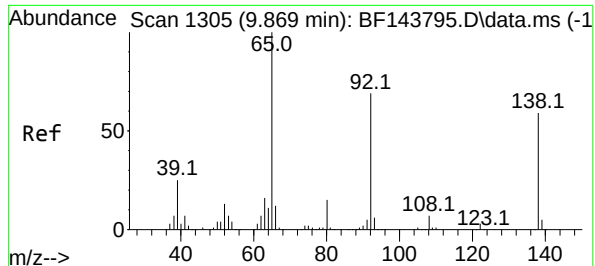
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#52
Acenaphthene
Concen: 41.869 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

Tgt Ion:154 Resp: 422277
Ion Ratio Lower Upper
154 100
153 110.8 88.7 133.1
152 53.2 42.7 64.1





#53

3-Nitroaniline

Concen: 47.665 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325

Tgt Ion:138 Resp: 110544

Ion Ratio Lower Upper

138 100

108 11.8 9.9 14.9

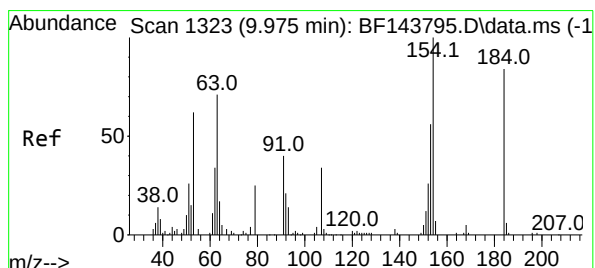
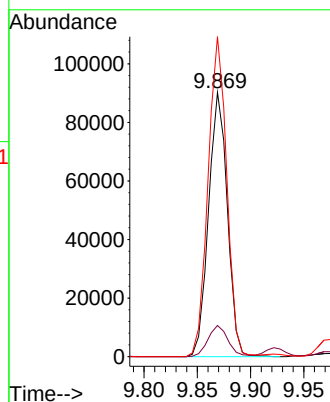
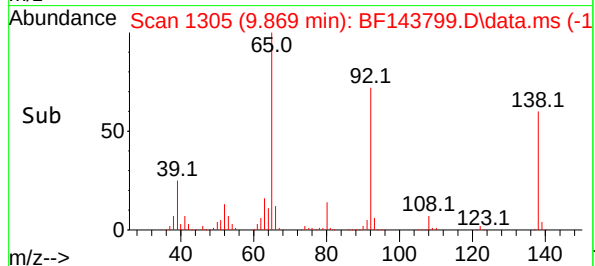
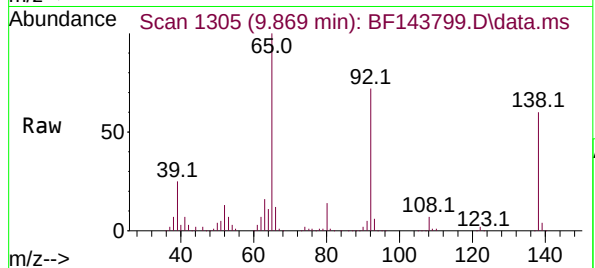
92 121.1 93.5 140.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#54

2,4-Dinitrophenol

Concen: 46.217 ng

RT: 9.975 min Scan# 1323

Delta R.T. -0.000 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

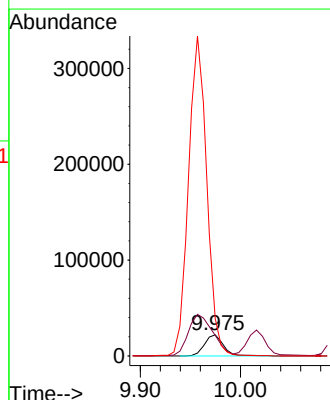
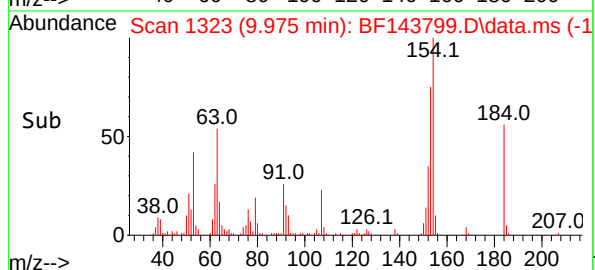
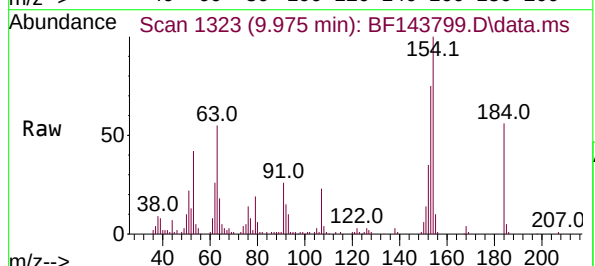
Tgt Ion:184 Resp: 28355

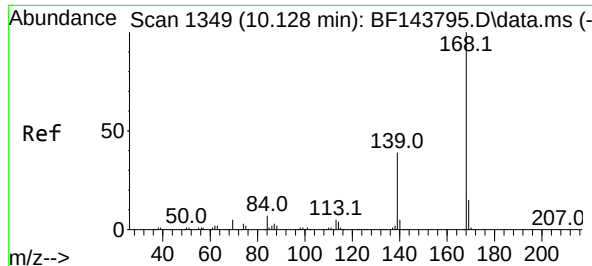
Ion Ratio Lower Upper

184 100

63 97.8 84.6 127.0

154 177.3 199.3 298.9#





#55

Dibenzofuran

Concen: 42.251 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325

Tgt Ion:168 Resp: 602575

Ion Ratio Lower Upper

168 100

139 38.5 31.0 46.6

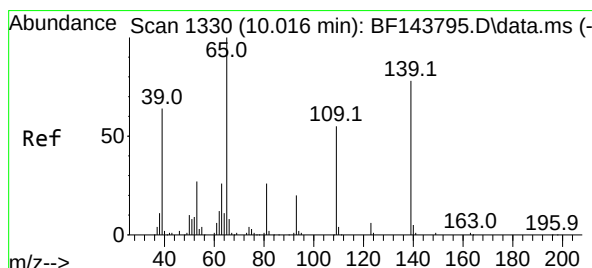
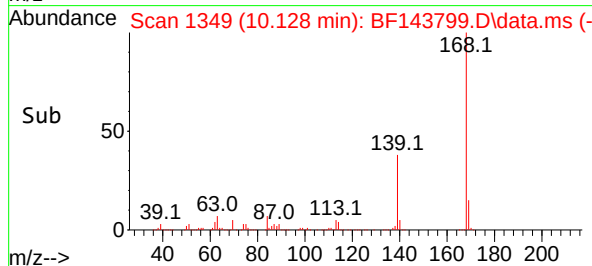
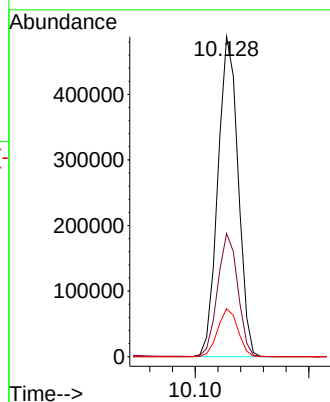
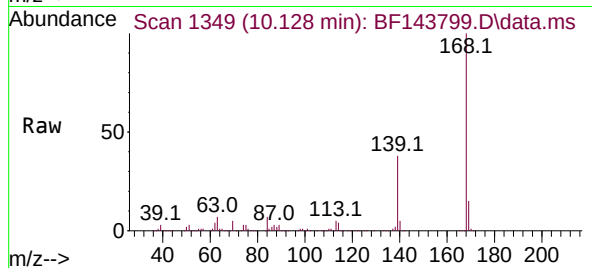
169 15.0 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#56

4-Nitrophenol

Concen: 45.864 ng

RT: 10.016 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

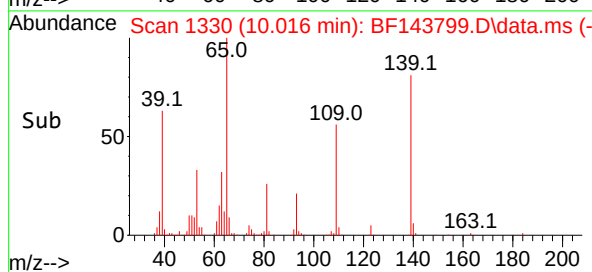
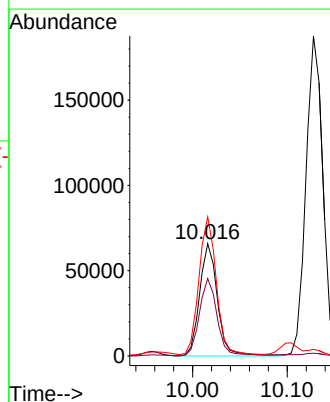
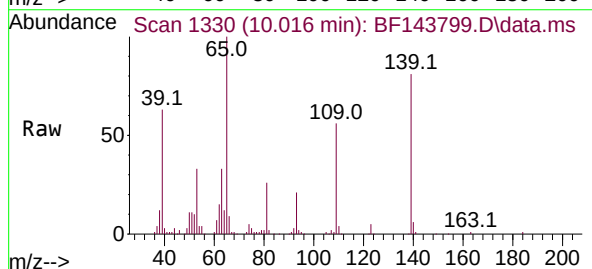
Tgt Ion:139 Resp: 85715

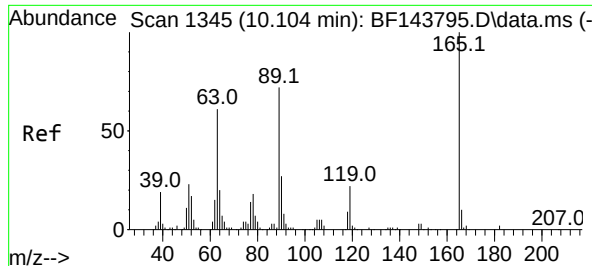
Ion Ratio Lower Upper

139 100

109 68.8 50.2 90.2

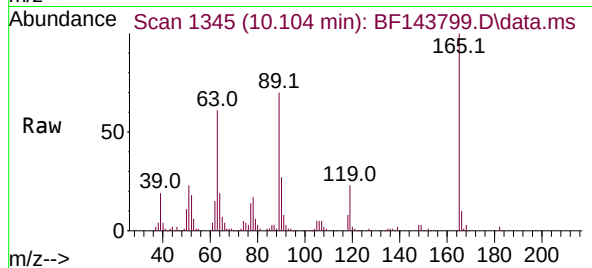
65 123.7 109.2 149.2





#57
2,4-Dinitrotoluene
Concen: 44.618 ng
RT: 10.104 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

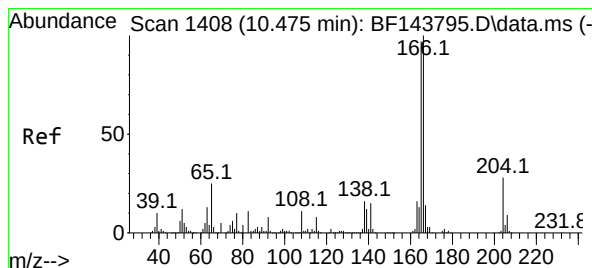
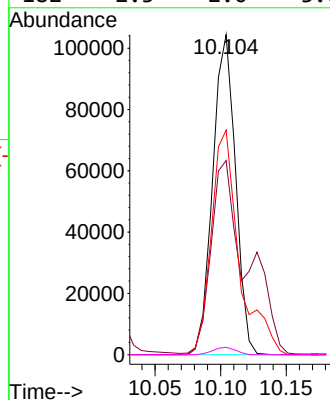
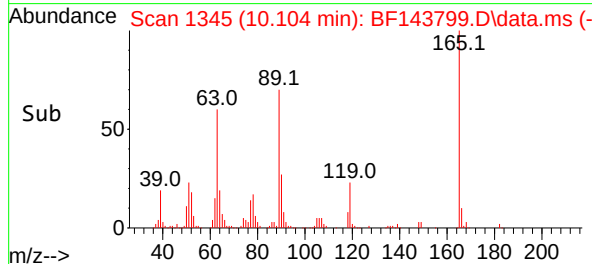
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



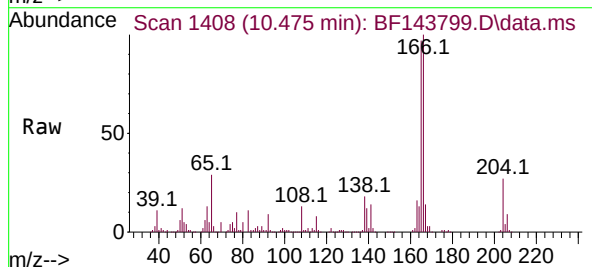
Tgt Ion:165 Resp: 126090
Ion Ratio Lower Upper
165 100
63 60.6 48.9 73.3
89 70.1 57.5 86.3
182 2.3 2.0 3.0

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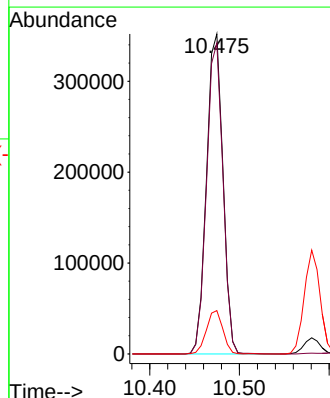
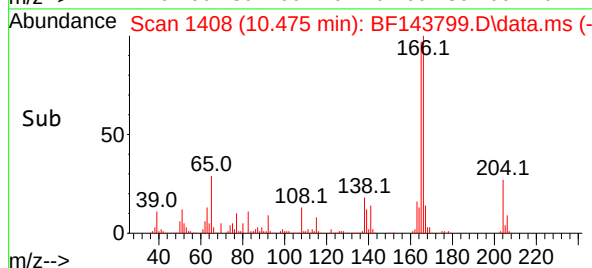
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

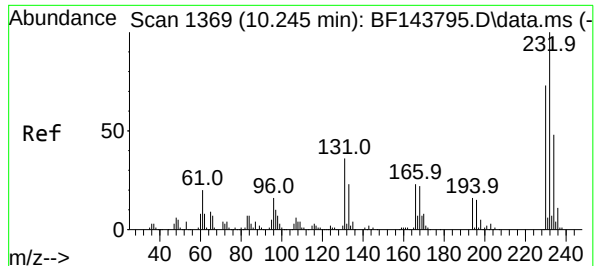


#58
Fluorene
Concen: 42.132 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42



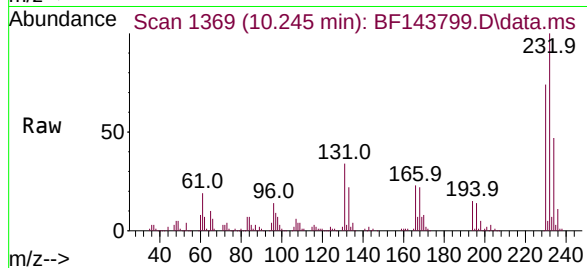
Tgt Ion:166 Resp: 446712
Ion Ratio Lower Upper
166 100
165 97.1 78.0 117.0
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.097 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

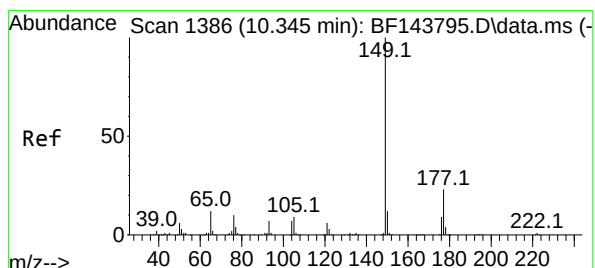
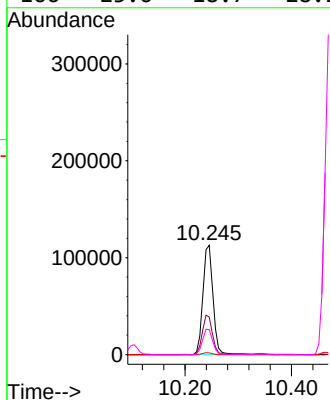
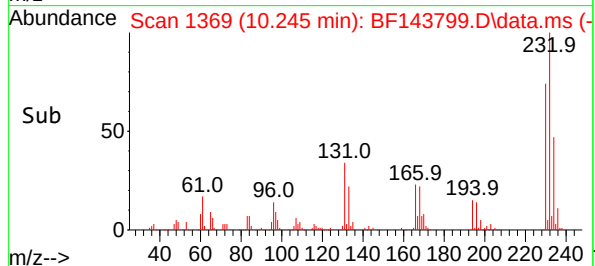
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:232 Resp: 149133
Ion Ratio Lower Upper
232 100
131 35.9 29.4 44.2
130 1.6 1.3 1.9
166 23.6 18.7 28.1

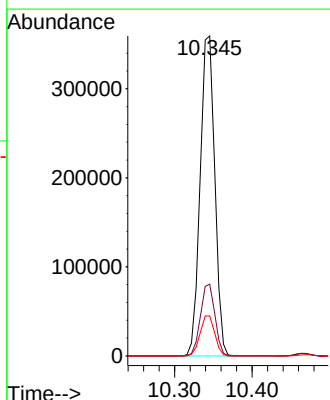
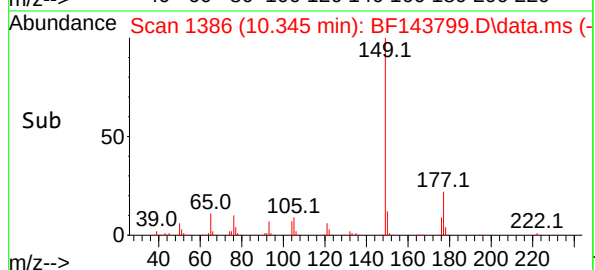
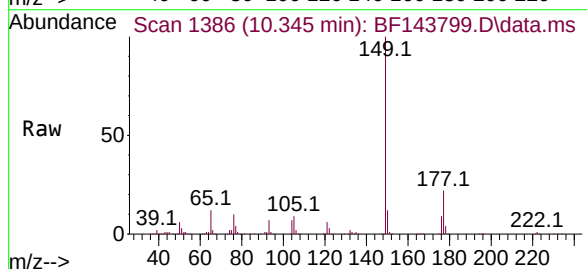
Manual Integrations
APPROVED

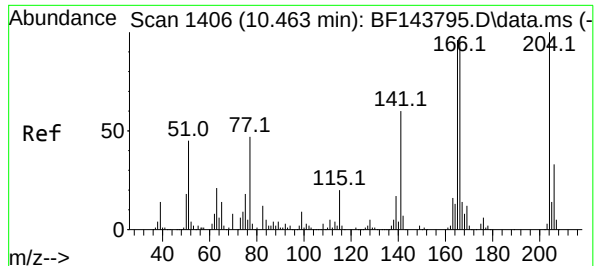
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#60
Diethylphthalate
Concen: 43.199 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

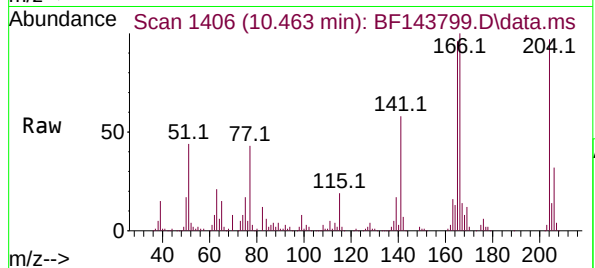
Tgt Ion:149 Resp: 470914
Ion Ratio Lower Upper
149 100
177 22.4 18.1 27.1
150 12.5 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 42.203 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

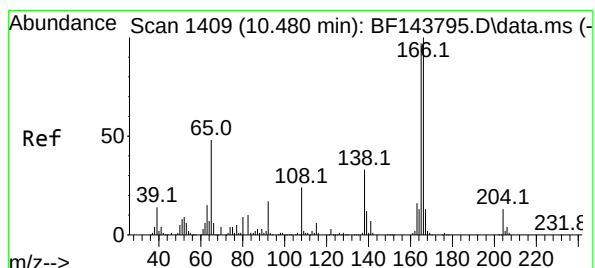
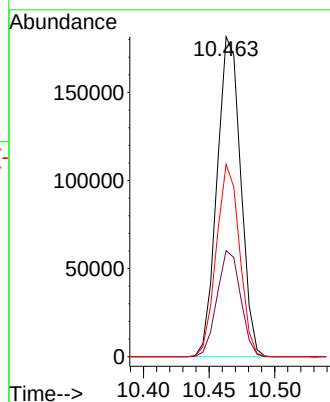
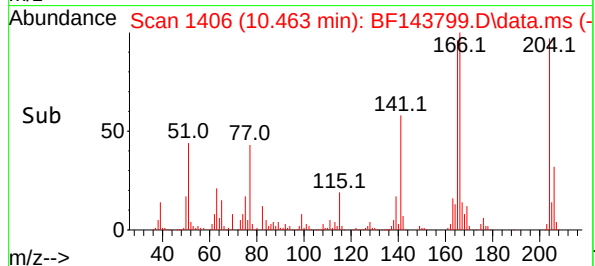
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



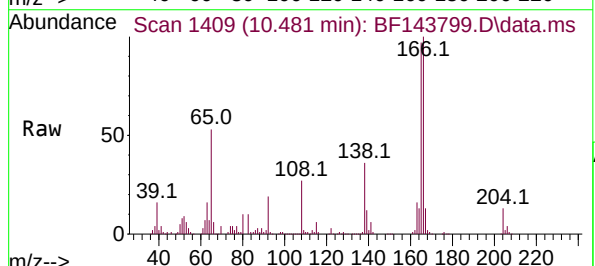
Tgt Ion:204 Resp: 227995
Ion Ratio Lower Upper
204 100
206 33.1 26.7 40.1
141 60.1 48.2 72.2

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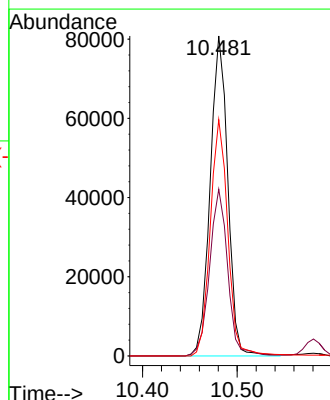
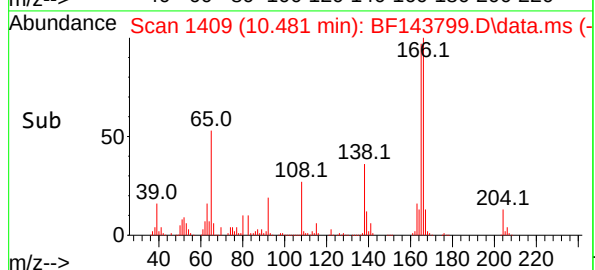
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

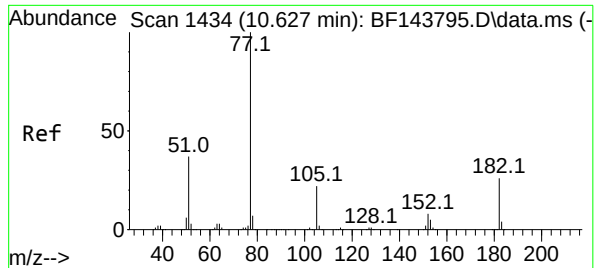


#62
4-Nitroaniline
Concen: 47.936 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42



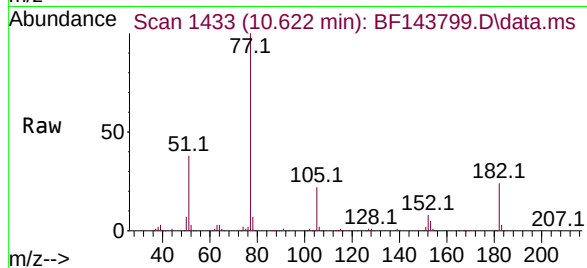
Tgt Ion:138 Resp: 104533
Ion Ratio Lower Upper
138 100
92 52.1 31.5 71.5
108 73.8 51.9 91.9





#63
Azobenzene
Concen: 42.769 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

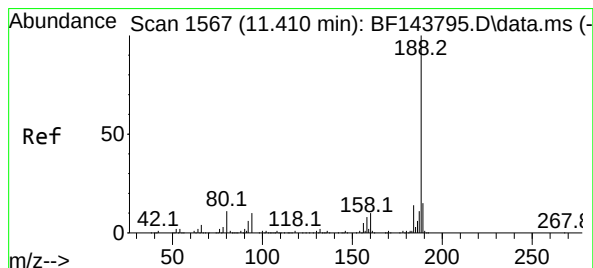
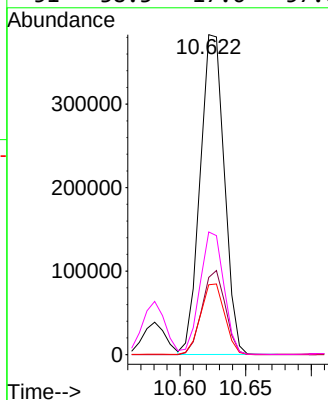
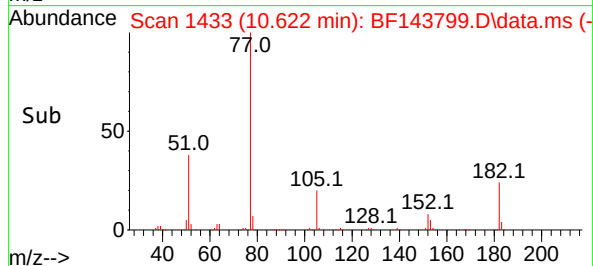
Instrument :
BNA_F
Client Sample Id :
ICVBF092325



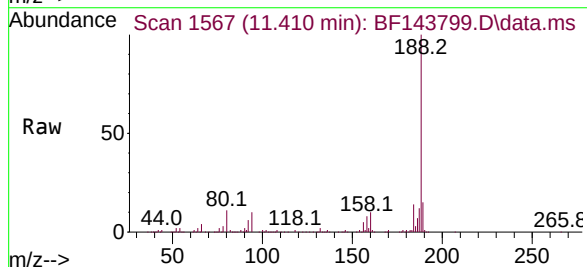
Tgt Ion: 77 Resp: 491364
Ion Ratio Lower Upper
77 100
182 24.1 5.9 45.9
105 21.8 2.3 42.3
51 38.3 17.6 57.6

Manual Integrations
APPROVED

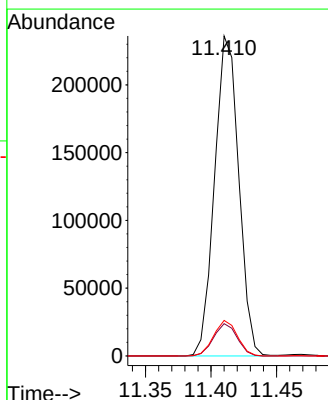
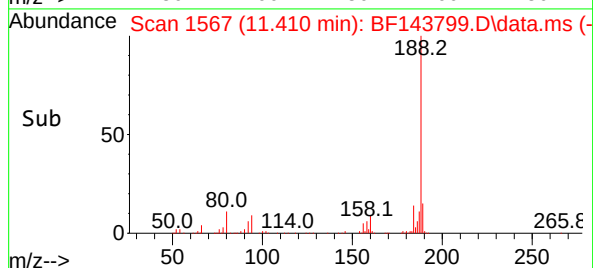
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

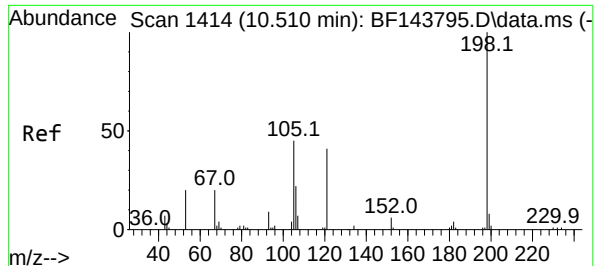


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42



Tgt Ion:188 Resp: 302827
Ion Ratio Lower Upper
188 100
94 10.1 8.2 12.2
80 11.1 8.6 12.8





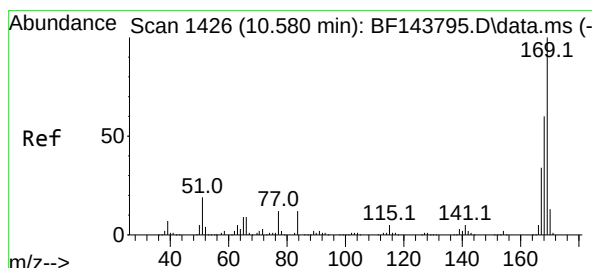
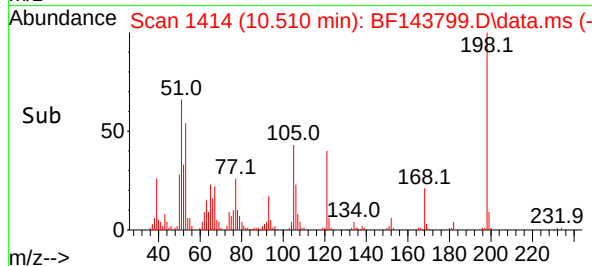
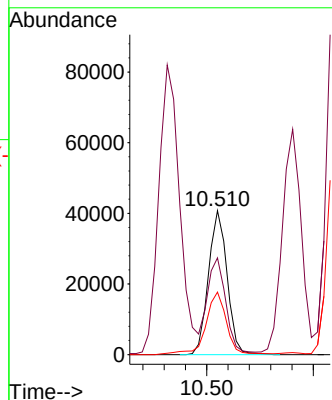
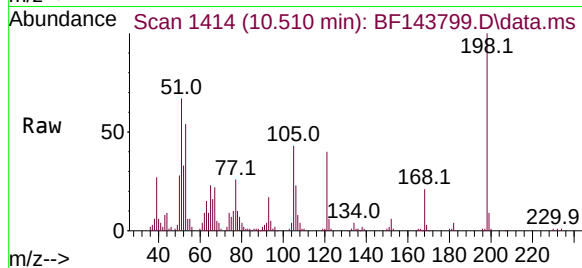
#65
4,6-Dinitro-2-methylphenol
Concen: 45.452 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

Instrument :
BNA_F
ClientSampleId :
ICVBF092325

Tgt Ion:198 Resp: 49519
Ion Ratio Lower Upper
198 100
51 67.2 52.0 92.0
105 43.5 27.5 67.5

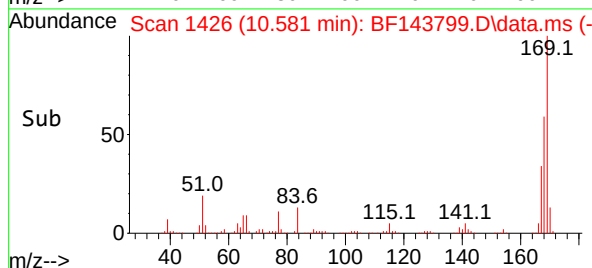
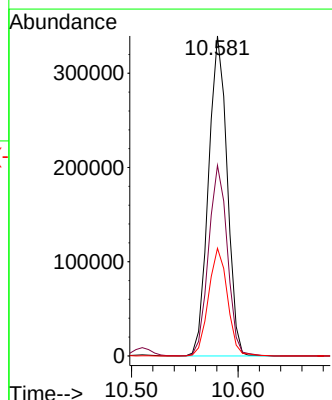
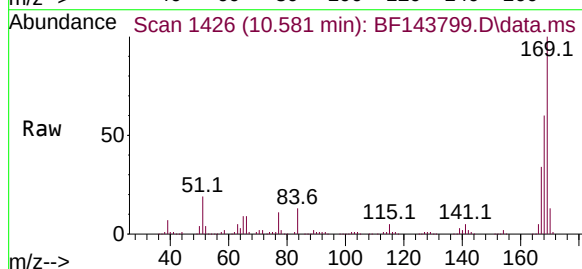
Manual Integrations
APPROVED

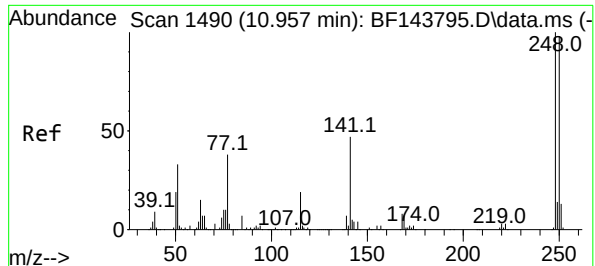
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#66
n-Nitrosodiphenylamine
Concen: 41.480 ng
RT: 10.581 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

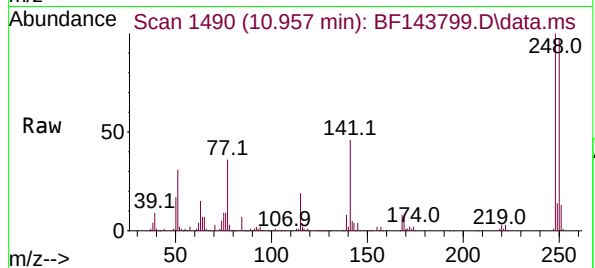
Tgt Ion:169 Resp: 413097
Ion Ratio Lower Upper
169 100
168 59.5 47.9 71.9
167 33.6 27.0 40.6





#67
4-Bromophenyl-phenylether
Concen: 42.884 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

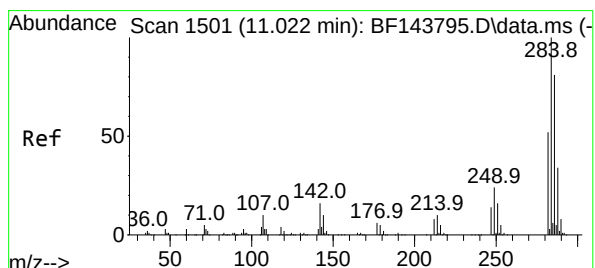
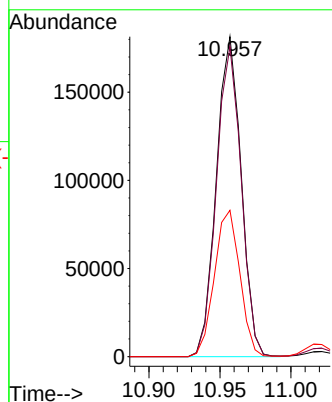
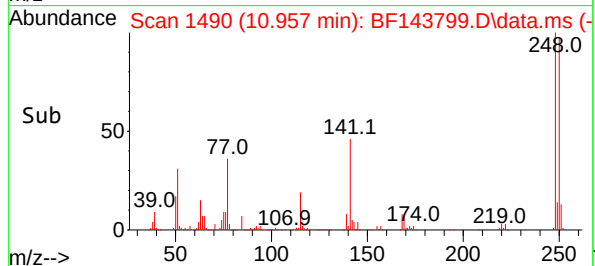
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



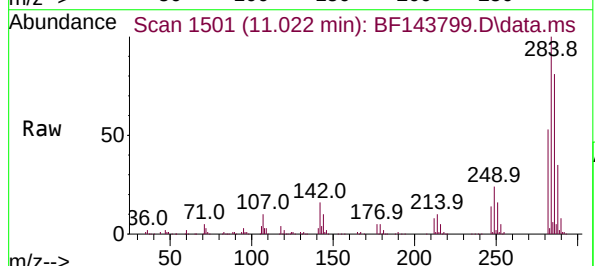
Tgt Ion:248 Resp: 221312
Ion Ratio Lower Upper
248 100
250 96.9 78.7 118.1
141 45.7 37.9 56.9

Manual Integrations
APPROVED

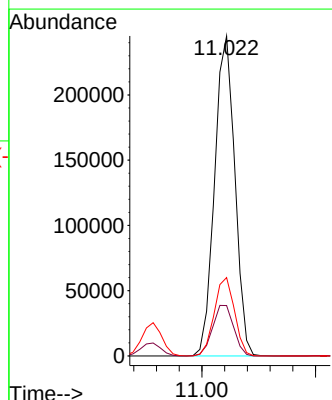
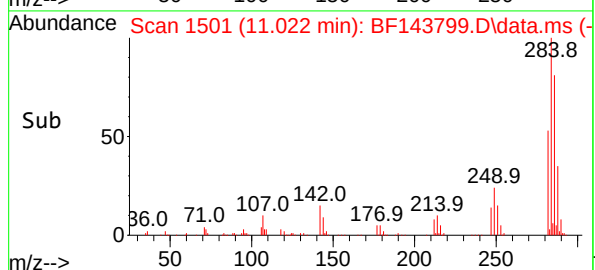
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

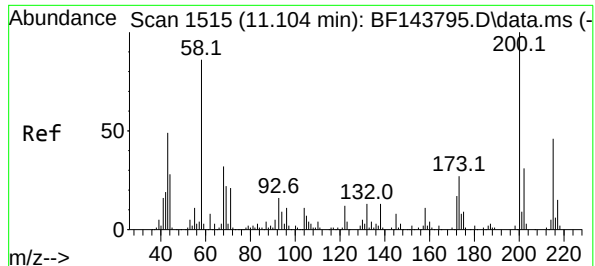


#68
Hexachlorobenzene
Concen: 42.661 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42



Tgt Ion:284 Resp: 303404
Ion Ratio Lower Upper
284 100
142 15.7 13.1 19.7
249 24.5 19.5 29.3





#69

Atrazine

Concen: 45.083 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BF143799.D

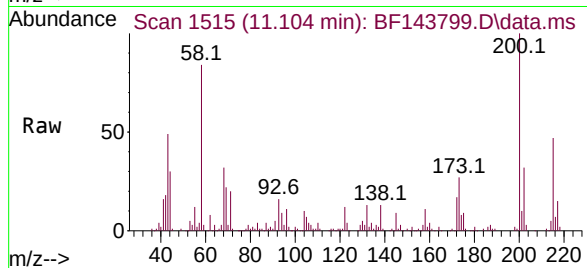
Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325



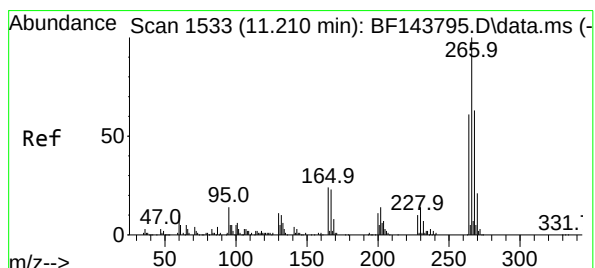
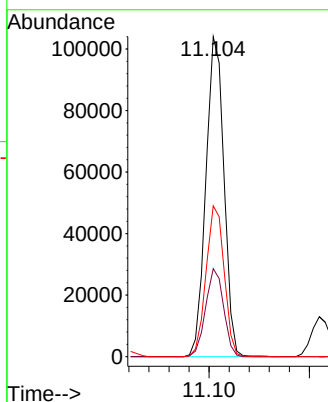
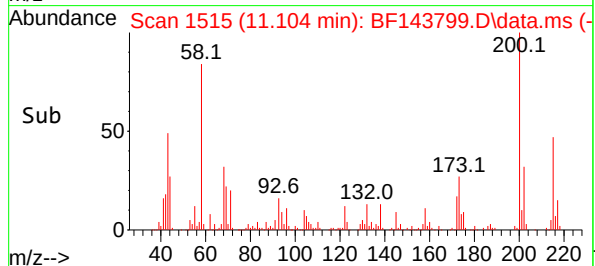
Tgt Ion:200 Resp: 130018
Ion Ratio Lower Upper
200 100
173 27.5 7.2 47.2
215 47.1 26.0 66.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/24/2025



#70

Pentachlorophenol

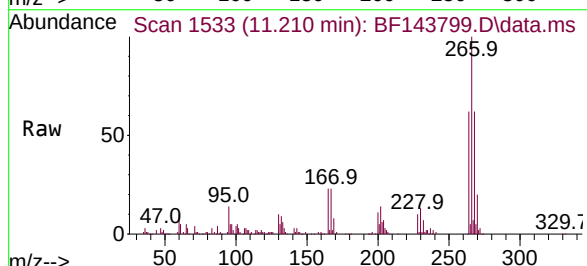
Concen: 46.307 ng

RT: 11.210 min Scan# 1533

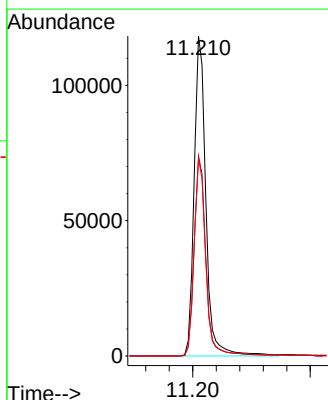
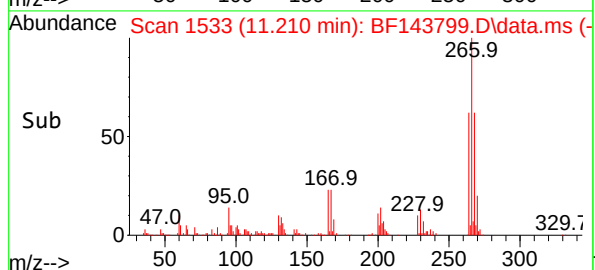
Delta R.T. -0.006 min

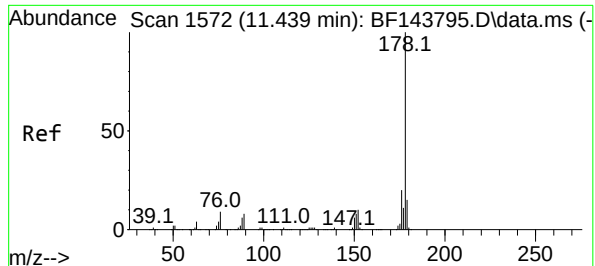
Lab File: BF143799.D

Acq: 23 Sep 2025 17:42



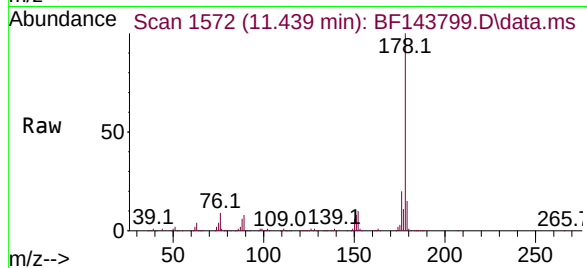
Tgt Ion:266 Resp: 163934
Ion Ratio Lower Upper
266 100
268 62.5 50.5 75.7
264 61.7 48.8 73.2





#71
Phenanthrene
Concen: 42.299 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

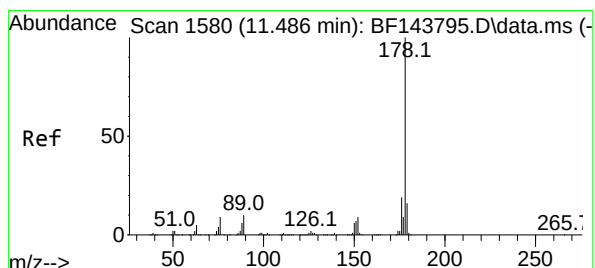
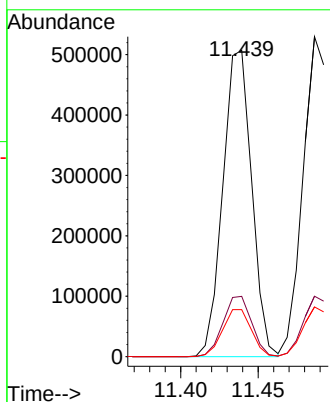
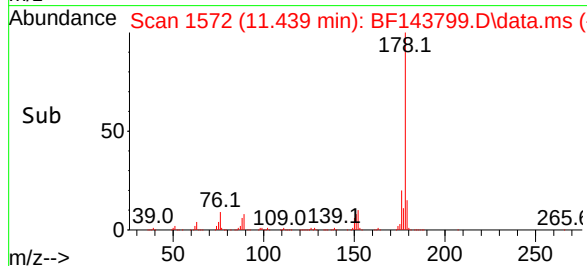
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:178 Resp: 657630
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.3 12.2 18.4

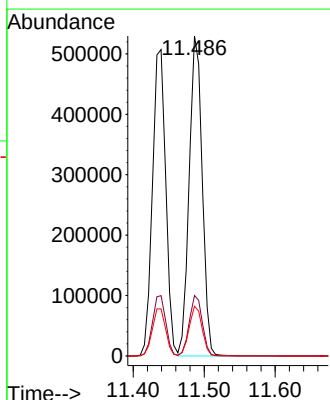
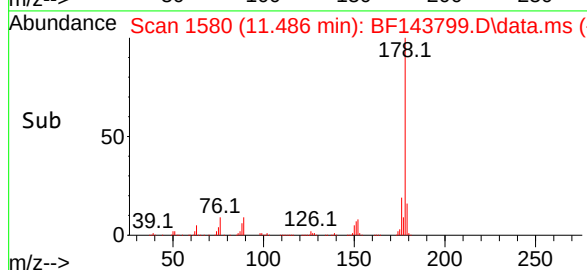
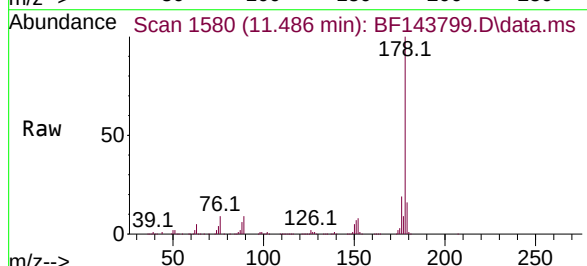
Manual Integrations
APPROVED

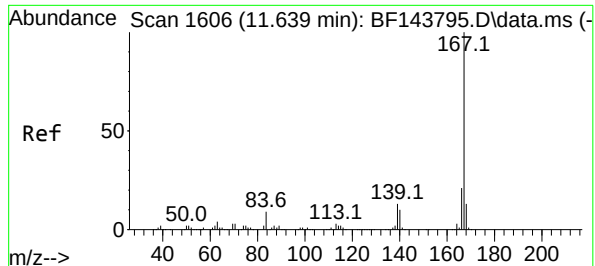
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#72
Anthracene
Concen: 43.252 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

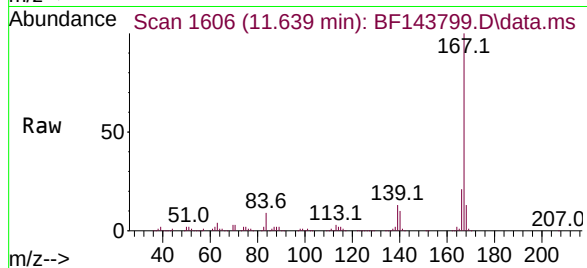
Tgt Ion:178 Resp: 674513
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.5 12.8 19.2





#73
Carbazole
Concen: 44.114 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

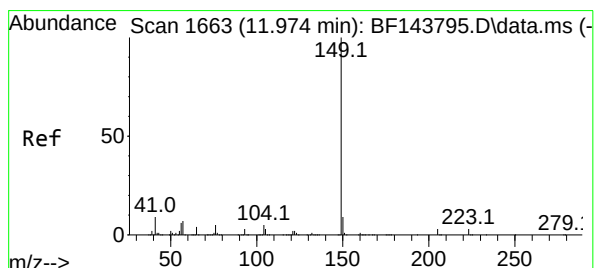
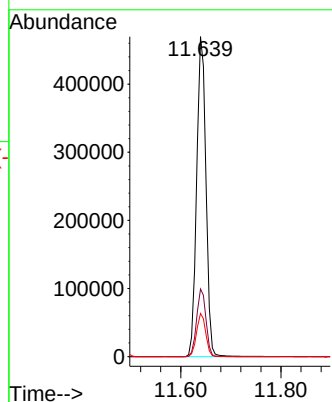
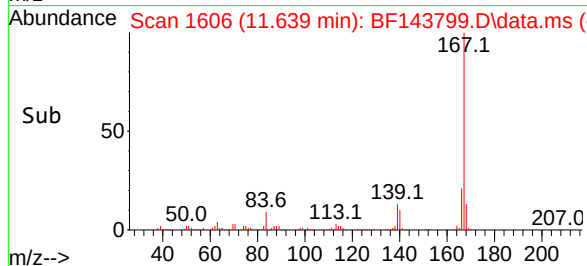
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



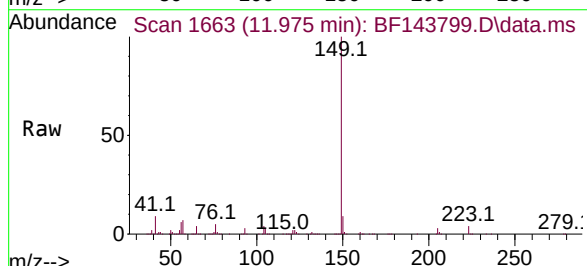
Tgt Ion:167 Resp: 601493
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.4
139 13.5 10.6 15.8

Manual Integrations
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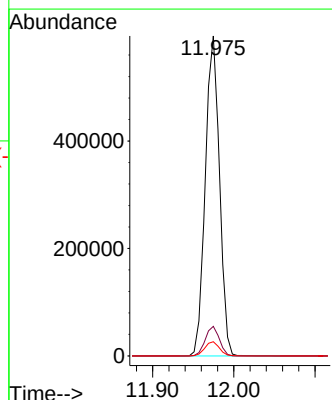
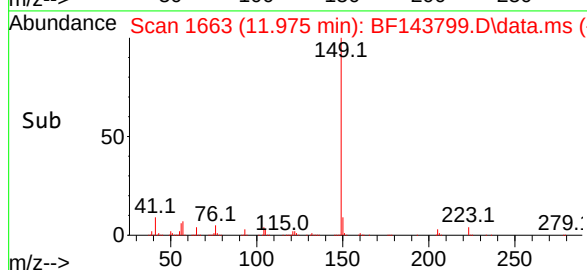
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

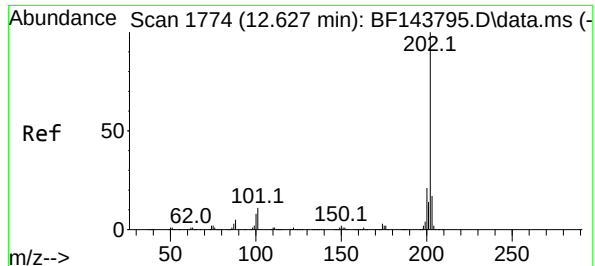


#74
Di-n-butylphthalate
Concen: 46.182 ng
RT: 11.975 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42



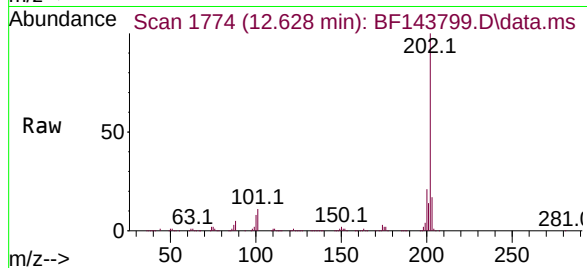
Tgt Ion:149 Resp: 724195
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.5 3.6 5.4





#75
Fluoranthene
Concen: 46.027 ng
RT: 12.628 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

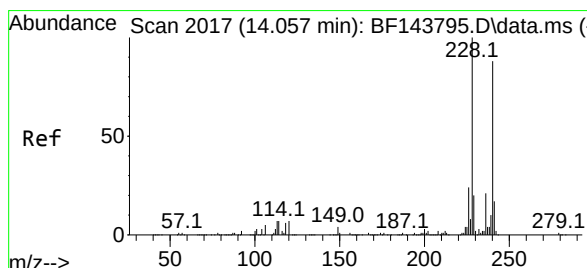
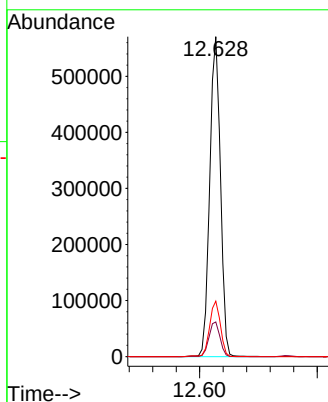
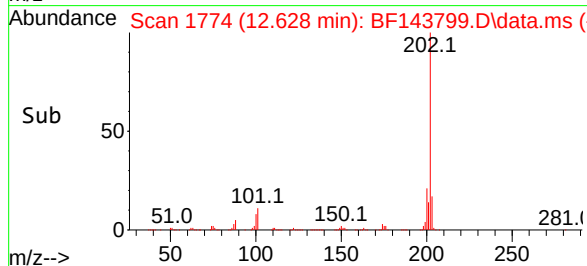
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:202 Resp: 719722
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.1
203 17.3 0.0 37.4

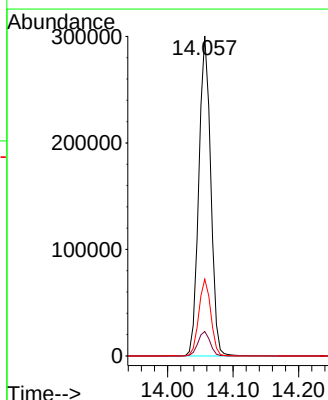
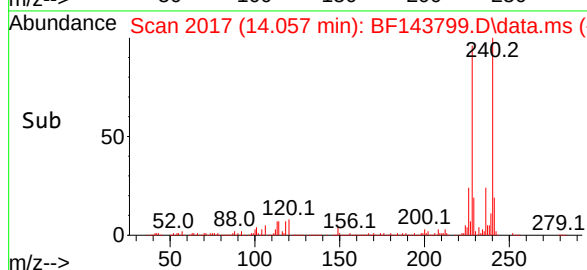
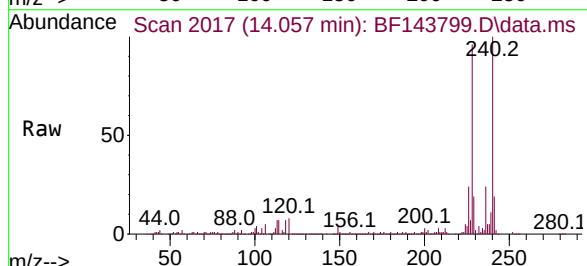
Manual Integrations
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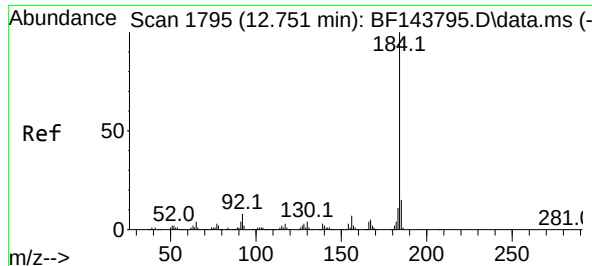
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

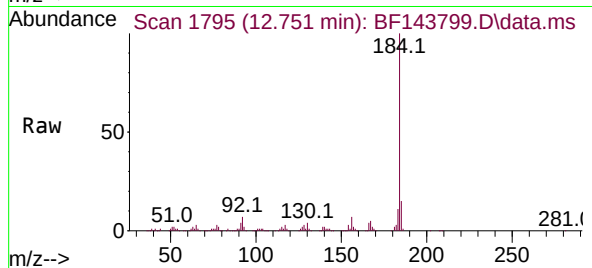
Tgt Ion:240 Resp: 375572
Ion Ratio Lower Upper
240 100
120 7.6 6.2 9.4
236 24.0 19.4 29.2





#77
Benzidine
Concen: 40.236 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

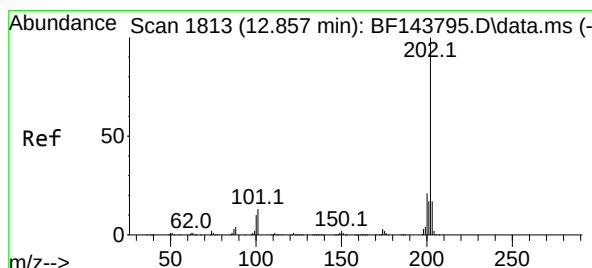
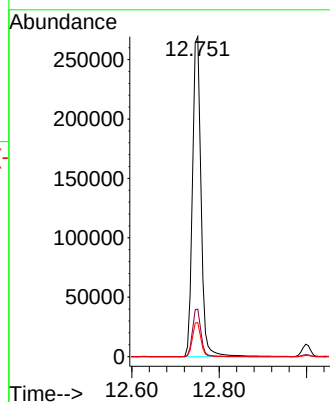
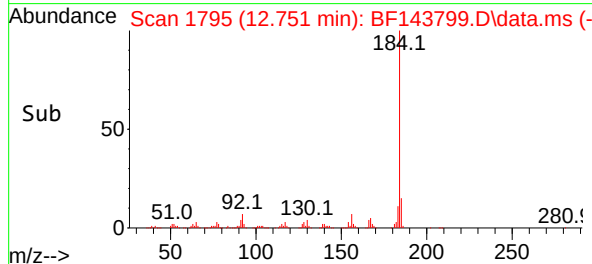
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:184 Resp: 368236
Ion Ratio Lower Upper
184 100
185 14.8 11.6 17.4
183 10.6 8.6 13.0

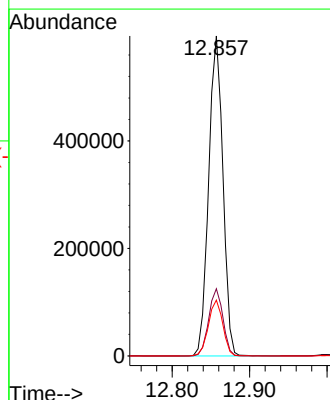
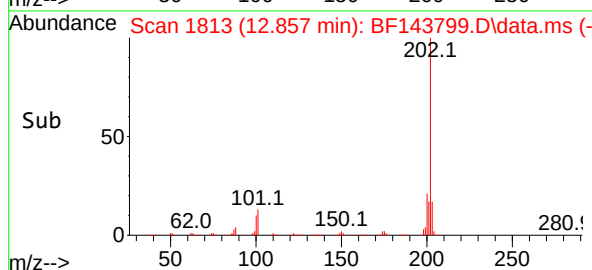
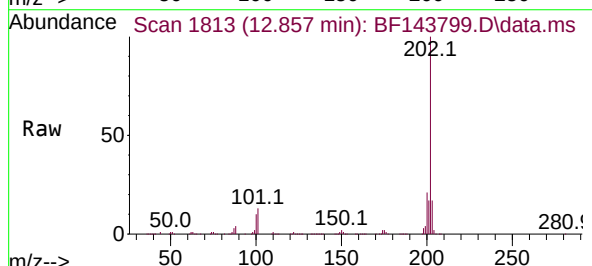
Manual Integrations
APPROVED

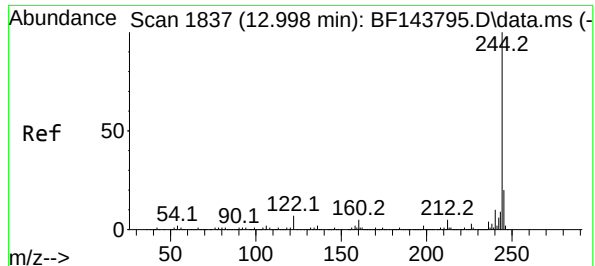
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#78
Pyrene
Concen: 41.117 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

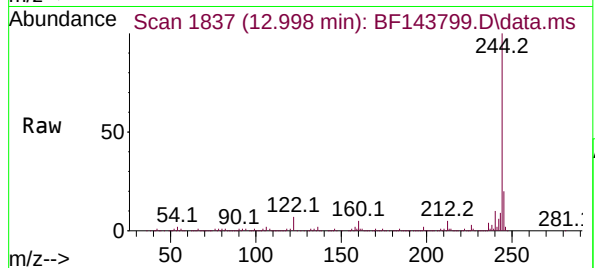
Tgt Ion:202 Resp: 759210
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.4 13.9 20.9





#79
Terphenyl-d14
Concen: 80.752 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

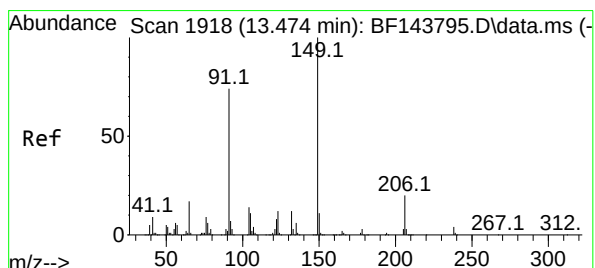
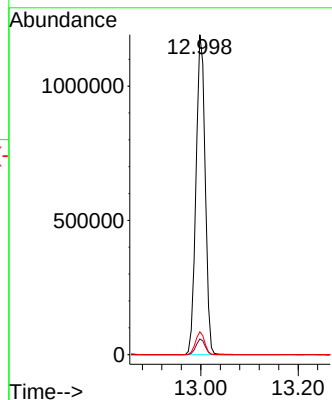
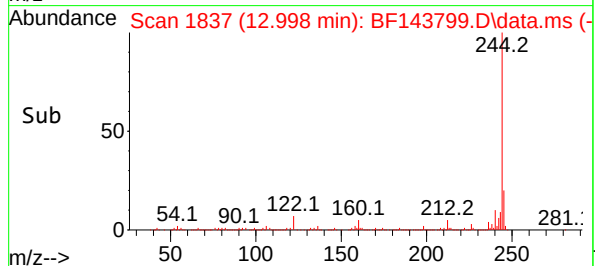
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:244 Resp: 1544756
Ion Ratio Lower Upper
244 100
212 4.9 3.9 5.9
122 7.1 5.6 8.4

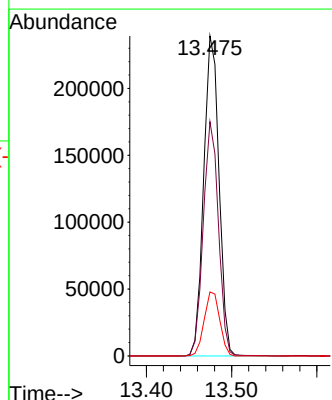
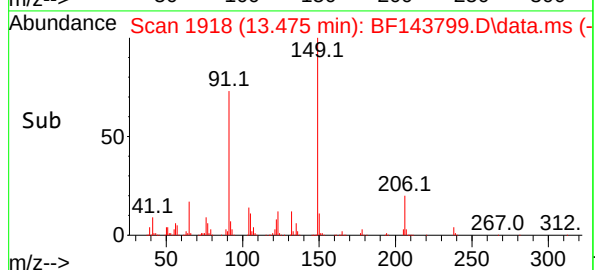
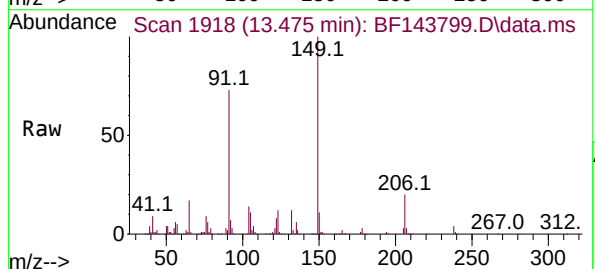
Manual Integrations
APPROVED

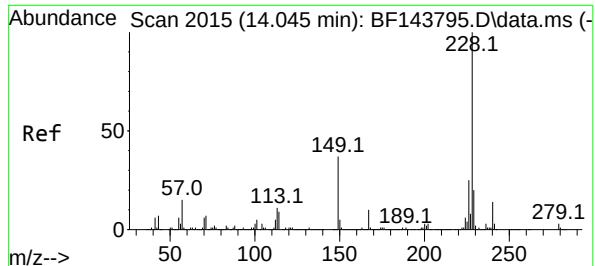
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#80
Butylbenzylphthalate
Concen: 46.674 ng
RT: 13.475 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

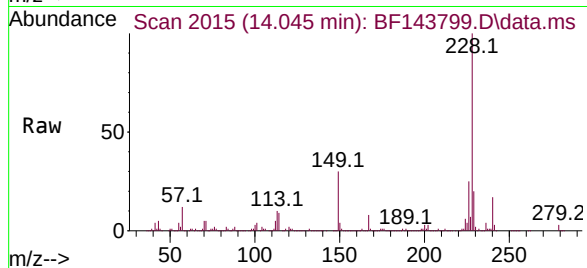
Tgt Ion:149 Resp: 298166
Ion Ratio Lower Upper
149 100
91 73.2 59.5 89.3
206 20.0 16.1 24.1





#81
Benzo(a)anthracene
Concen: 41.296 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

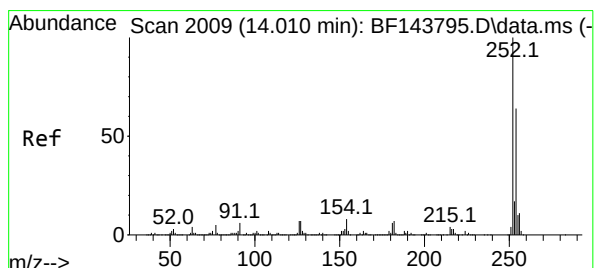
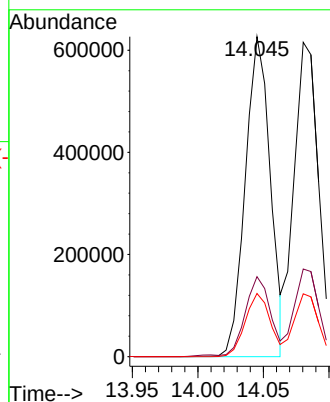
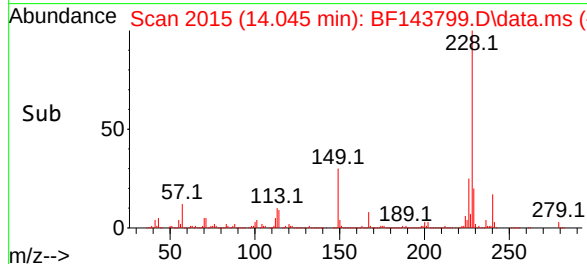
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



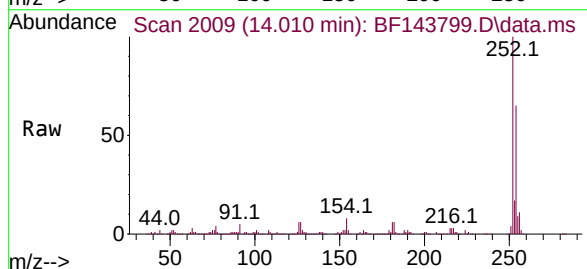
Tgt Ion:228 Resp: 833201
Ion Ratio Lower Upper
228 100
226 25.0 20.2 30.2
229 19.7 16.1 24.1

Manual Integrations
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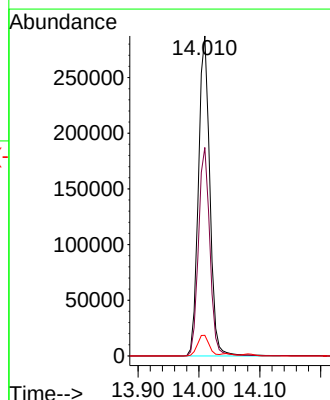
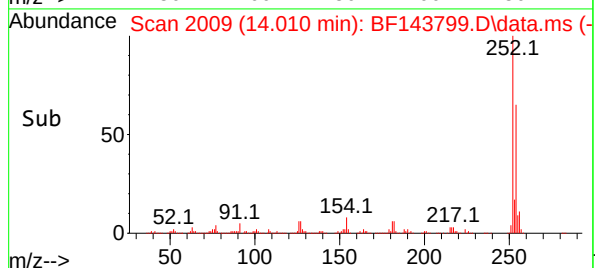
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

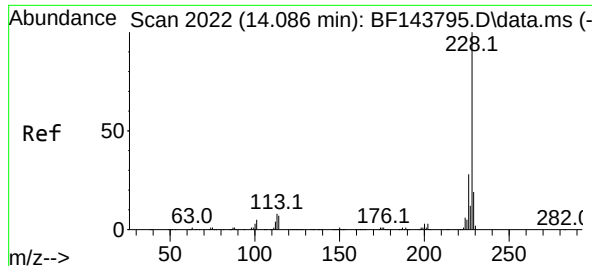


#82
3,3'-Dichlorobenzidine
Concen: 42.723 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42



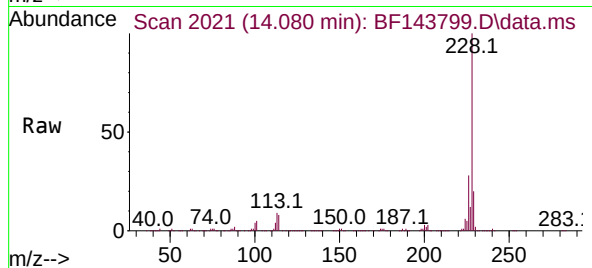
Tgt Ion:252 Resp: 373433
Ion Ratio Lower Upper
252 100
254 65.2 51.5 77.3
126 6.4 5.4 8.2





#83
Chrysene
Concen: 43.791 ng
RT: 14.080 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

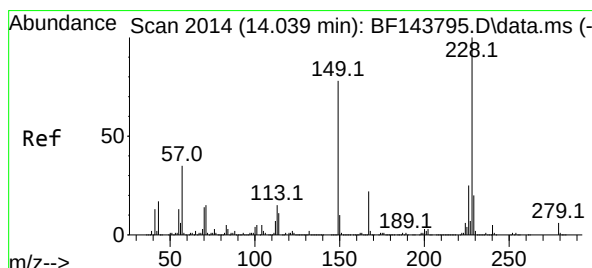
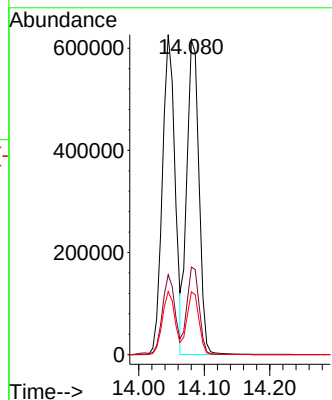
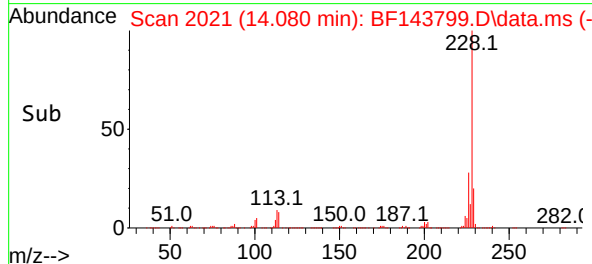
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



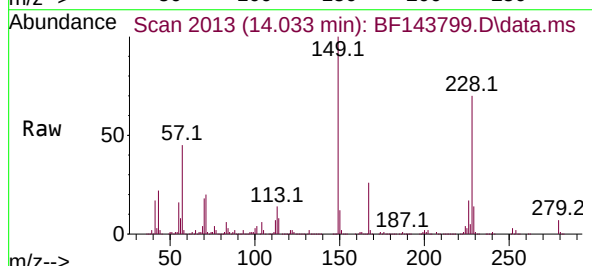
Tgt Ion:228 Resp: 799482
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 20.0 15.6 23.4

Manual Integrations
APPROVED

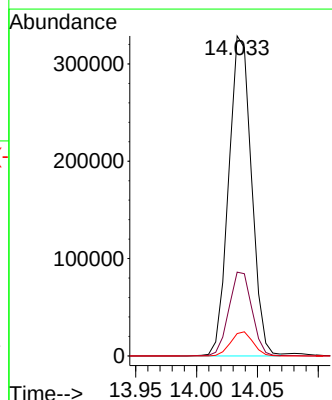
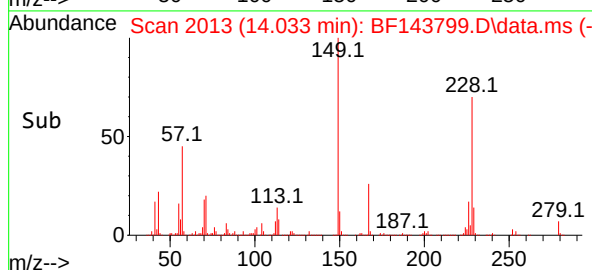
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025

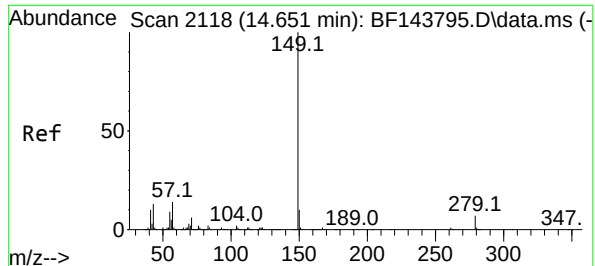


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.704 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42



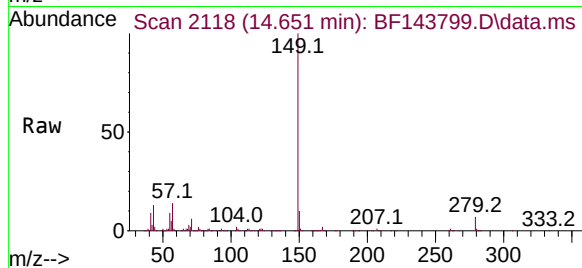
Tgt Ion:149 Resp: 427966
Ion Ratio Lower Upper
149 100
167 26.2 22.2 33.2
279 7.0 6.0 9.0





#85
Di-n-octyl phthalate
Concen: 44.512 ng
RT: 14.651 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

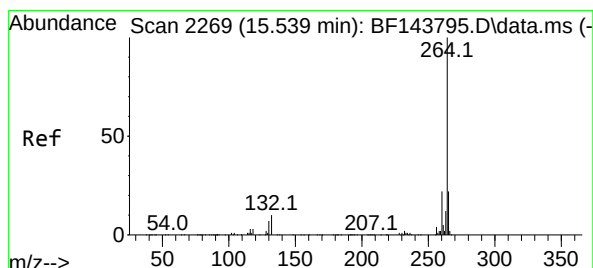
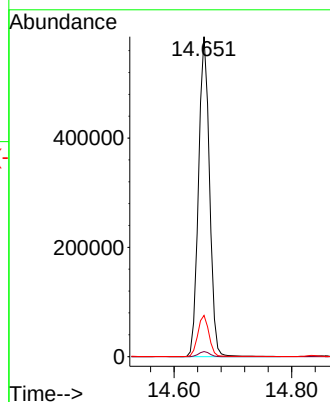
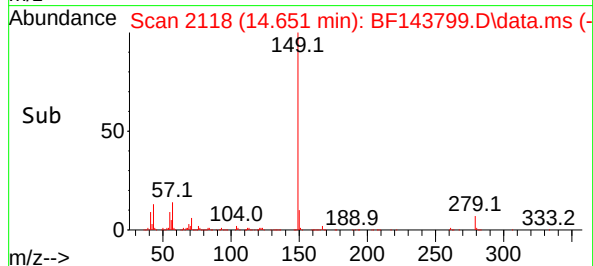
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:149 Resp: 756048
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.1 10.7 16.1

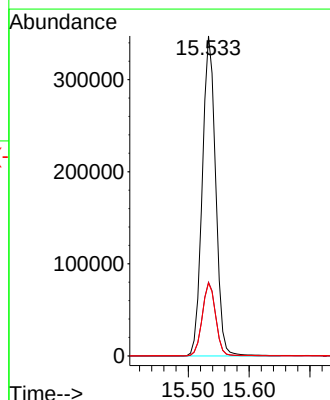
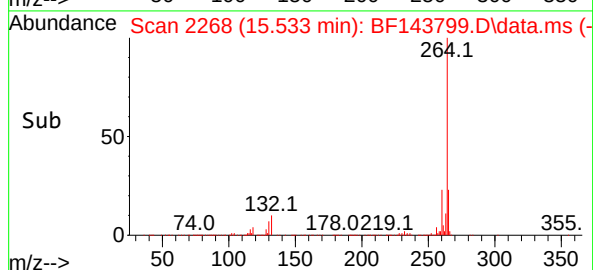
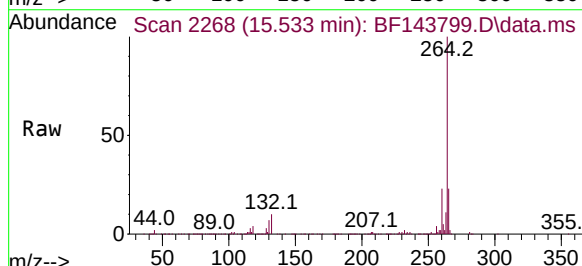
Manual Integrations
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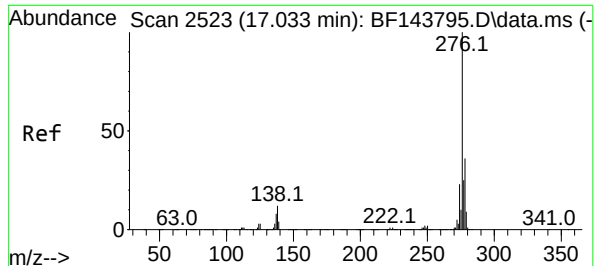
Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

Tgt Ion:264 Resp: 528363
Ion Ratio Lower Upper
264 100
260 23.0 17.9 26.9
265 22.8 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.111 ng

RT: 17.027 min Scan# 2194

Delta R.T. -0.017 min

Lab File: BF143799.D

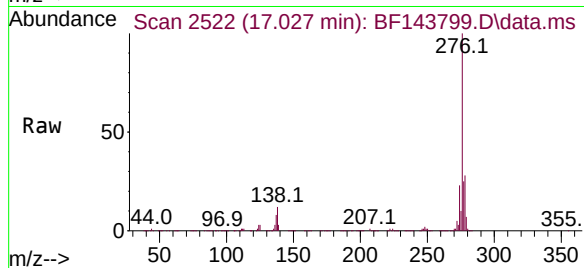
Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325



Tgt Ion:276 Resp: 172826

Ion Ratio Lower Upper

276 100

138 13.0 10.6 15.8

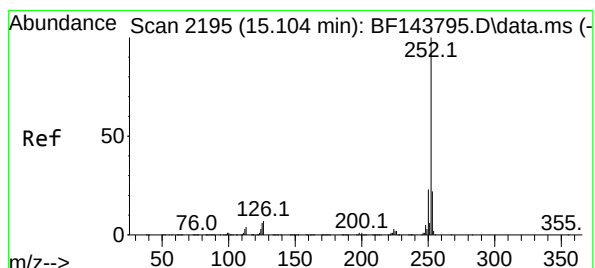
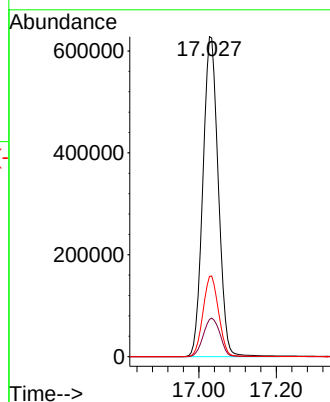
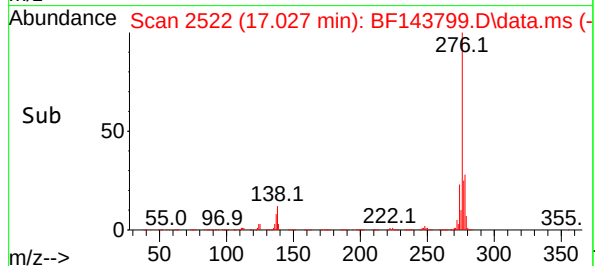
277 25.6 20.7 31.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#88

Benzo(b)fluoranthene

Concen: 45.894 ng

RT: 15.098 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42

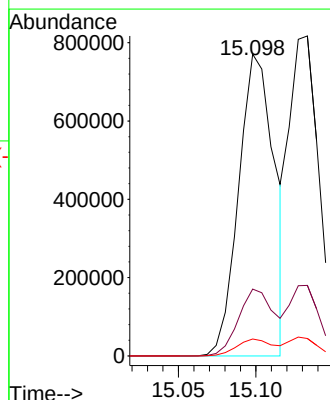
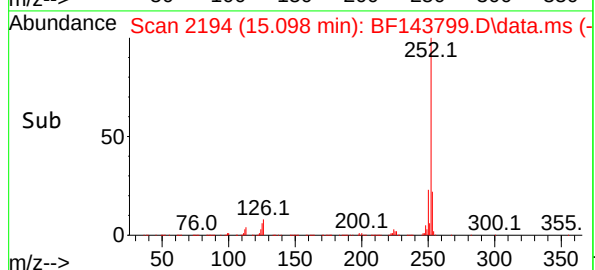
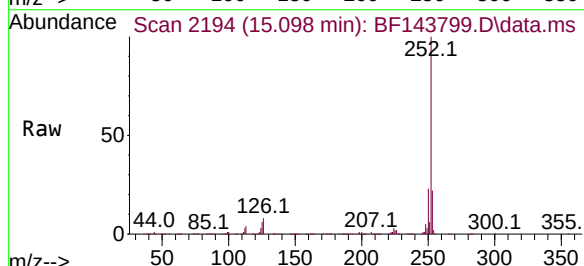
Tgt Ion:252 Resp: 1234859

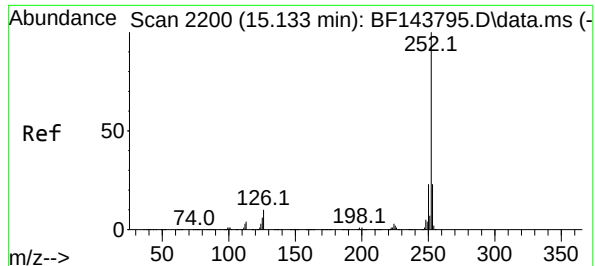
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 5.6 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 40.882 ng

RT: 15.133 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF143799.D

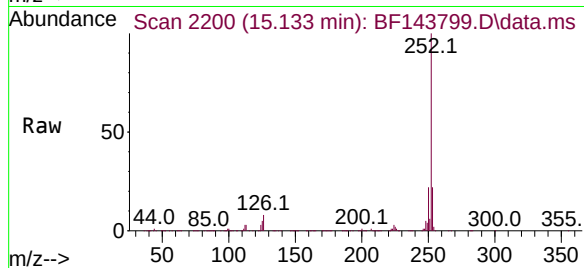
Acq: 23 Sep 2025 17:42

Instrument :

BNA_F

ClientSampleId :

ICVBF092325



Tgt Ion:252 Resp: 1105146

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

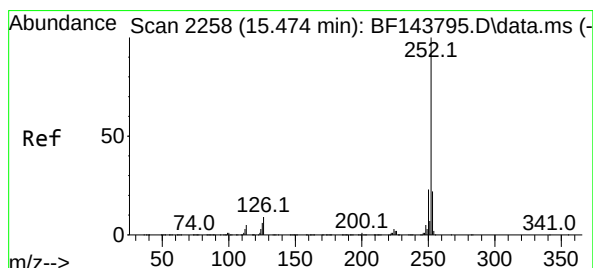
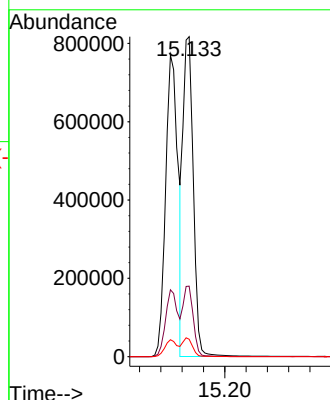
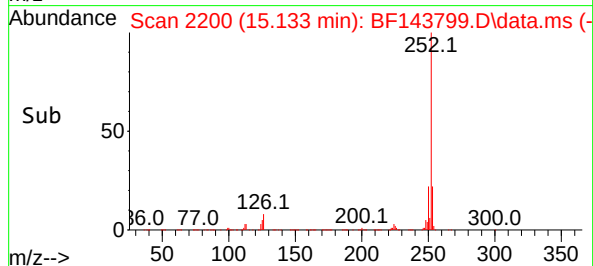
125 5.4 4.6 6.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/24/2025

Supervised By :Jagrut Upadhyay 09/24/2025



#90

Benzo(a)pyrene

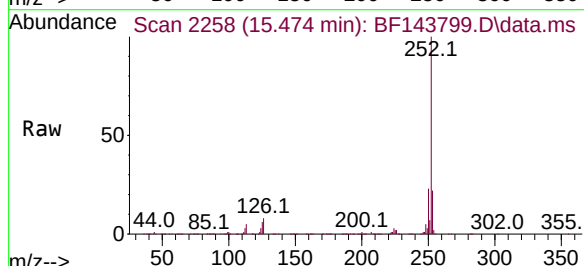
Concen: 43.246 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF143799.D

Acq: 23 Sep 2025 17:42



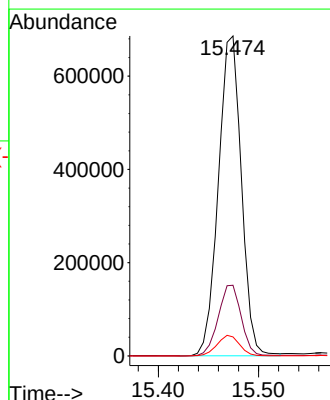
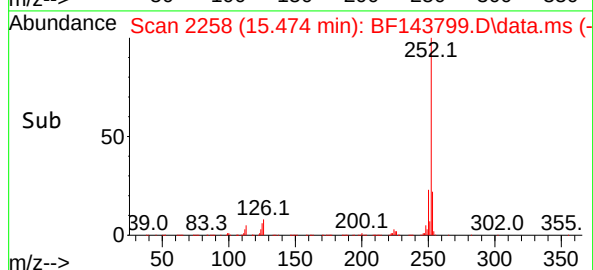
Tgt Ion:252 Resp: 1093771

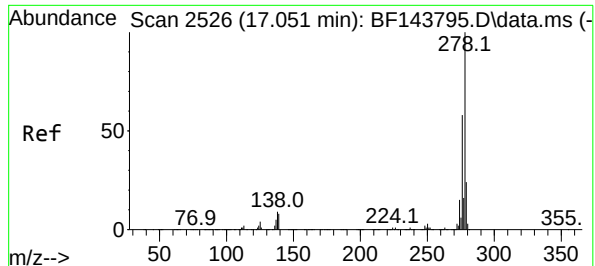
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

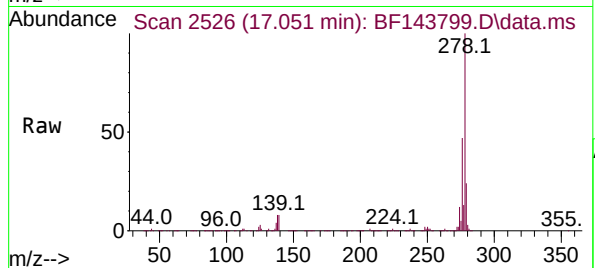
125 6.0 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 43.395 ng
RT: 17.051 min Scan# 2511
Delta R.T. -0.017 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

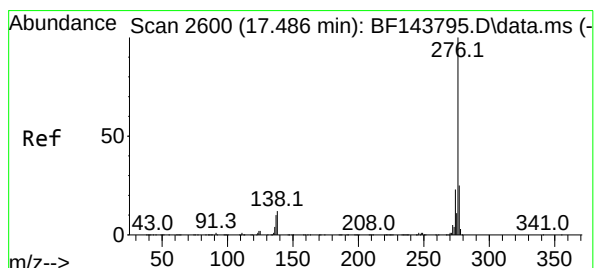
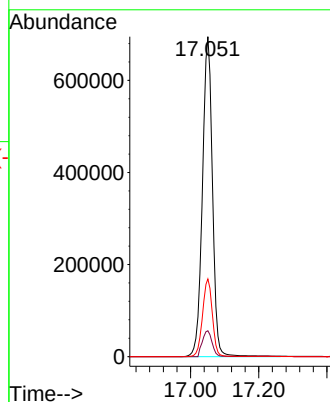
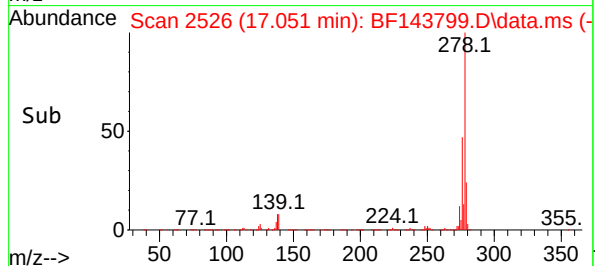
Instrument :
BNA_F
ClientSampleId :
ICVBF092325



Tgt Ion:278 Resp: 142288
Ion Ratio Lower Upper
278 100
139 8.1 6.7 10.1
279 24.3 19.3 28.9

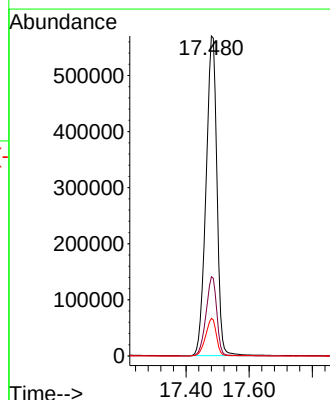
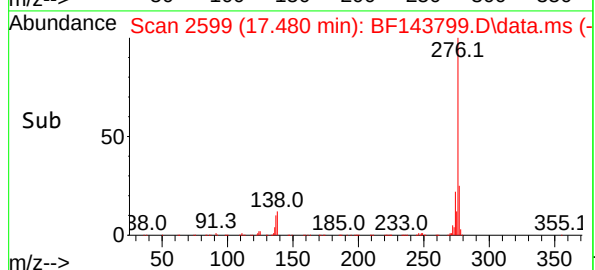
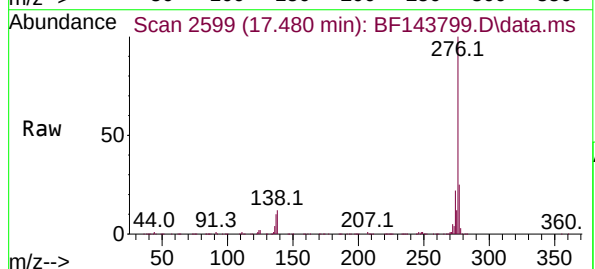
Manual Integrations
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Reviewed By :Rahul Chavli 09/24/2025
Supervised By :Jagrut Upadhyay 09/24/2025



#92
Benzo(g,h,i)perylene
Concen: 43.247 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.023 min
Lab File: BF143799.D
Acq: 23 Sep 2025 17:42

Tgt Ion:276 Resp: 1366956
Ion Ratio Lower Upper
276 100
277 24.7 19.6 29.4
138 11.7 9.2 13.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143799.D
 Acq On : 23 Sep 2025 17:42
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF092325

Quant Time: Sep 23 18:09:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 17:50:26 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	96	0.00
2	1,4-Dioxane	0.589	0.643	-9.2	97	0.00
3	Pyridine	1.590	1.711	-7.6	96	0.00
4	n-Nitrosodimethylamine	0.797	0.846	-6.1	96	-0.02
5 S	2-Fluorophenol	1.231	1.345	-9.3	98	0.00
6	Aniline	2.064	2.147	-4.0	96	0.00
7 S	Phenol-d6	1.422	1.500	-5.5	95	0.00
8	2-Chlorophenol	1.260	1.338	-6.2	97	0.00
9	Benzaldehyde	1.246	1.453	-16.6	95	0.00
10 C	Phenol	1.653	1.734	-4.9	96	-0.01
11	bis(2-Chloroethyl)ether	1.296	1.357	-4.7	96	0.00
12	1,3-Dichlorobenzene	1.463	1.546	-5.7	97	0.00
13 C	1,4-Dichlorobenzene	1.460	1.528	-4.7	96	0.00
14	1,2-Dichlorobenzene	1.383	1.443	-4.3	96	0.00
15	Benzyl Alcohol	1.028	1.093	-6.3	97	0.00
16	2,2'-oxybis(1-Chloropropane	3.073	3.217	-4.7	96	0.00
17	2-Methylphenol	0.976	1.032	-5.7	97	0.00
18	Hexachloroethane	0.514	0.550	-7.0	98	0.00
19 P	n-Nitroso-di-n-propylamine	0.915	0.910	0.5	96	-0.01
20	3+4-Methylphenols	1.188	1.296	-9.1	98	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22	Acetophenone	0.439	0.456	-3.9	95	0.00
23 S	Nitrobenzene-d5	0.327	0.361	-10.4	98	0.00
24	Nitrobenzene	0.362	0.395	-9.1	98	-0.01
25	Isophorone	0.637	0.665	-4.4	95	0.00
26 C	2-Nitrophenol	0.132	0.163	-23.5#	106	0.00
27	2,4-Dimethylphenol	0.285	0.304	-6.7	96	0.00
28	bis(2-Chloroethoxy)methane	0.414	0.429	-3.6	94	0.00
29 C	2,4-Dichlorophenol	0.280	0.300	-7.1	97	0.00
30	1,2,4-Trichlorobenzene	0.291	0.308	-5.8	96	0.00
31	Naphthalene	0.957	1.006	-5.1	96	0.00
32	Benzoic acid	0.137	0.151	-10.2	103	-0.03
33	4-Chloroaniline	0.336	0.353	-5.1	96	0.00
34 C	Hexachlorobutadiene	0.217	0.230	-6.0	95	0.00
35	Caprolactam	0.072	0.079	-9.7	101	-0.02
36 C	4-Chloro-3-methylphenol	0.263	0.279	-6.1	97	0.00
37	2-Methylnaphthalene	0.611	0.636	-4.1	96	0.00
38	1-Methylnaphthalene	0.584	0.613	-5.0	96	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
40	1,2,4,5-Tetrachlorobenzene	0.604	0.634	-5.0	99	0.00
41 P	Hexachlorocyclopentadiene	0.383	0.419	-9.4	98	0.00
42 S	2,4,6-Tribromophenol	0.296	0.341	-15.2	102	0.00
43 C	2,4,6-Trichlorophenol	0.378	0.425	-12.4	99	0.00
44	2,4,5-Trichlorophenol	0.395	0.418	-5.8	97	0.00
45 S	2-Fluorobiphenyl	1.282	1.351	-5.4	98	0.00
46	1,1'-Biphenyl	1.448	1.493	-3.1	98	0.00
47	2-Chloronaphthalene	1.165	1.198	-2.8	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143799.D
 Acq On : 23 Sep 2025 17:42
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF092325

Quant Time: Sep 23 18:09:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 17:50:26 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	0.352	0.423	-20.2	104	0.00
49	Acenaphthylene	1.604	1.696	-5.7	98	0.00
50	Dimethylphthalate	1.219	1.299	-6.6	99	0.00
51	2,6-Dinitrotoluene	0.200	0.242	-21.0	104	0.00
52 C	Acenaphthene	1.056	1.105	-4.6	97	0.00
53	3-Nitroaniline	0.243	0.289	-18.9	100	0.00
54 P	2,4-Dinitrophenol	0.064	0.074	-15.6	115	0.00
55	Dibenzofuran	1.493	1.577	-5.6	99	0.00
56 P	4-Nitrophenol	0.196	0.224	-14.3	106	0.00
57	2,4-Dinitrotoluene	0.261	0.330	-26.4#	105	0.00
58	Fluorene	1.110	1.169	-5.3	100	0.00
59	2,3,4,6-Tetrachlorophenol	0.339	0.390	-15.0	102	0.00
60	Diethylphthalate	1.141	1.232	-8.0	99	0.00
61	4-Chlorophenyl-phenylether	0.566	0.597	-5.5	99	0.00
62	4-Nitroaniline	0.228	0.274	-20.2	101	-0.01
63	Azobenzene	1.203	1.286	-6.9	98	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	99	0.00
65	4,6-Dinitro-2-methylphenol	0.067	0.082	-22.4	117	0.00
66 c	n-Nitrosodiphenylamine	0.658	0.682	-3.6	99	0.00
67	4-Bromophenyl-phenylether	0.341	0.365	-7.0	101	0.00
68	Hexachlorobenzene	0.470	0.501	-6.6	101	0.00
69	Atrazine	0.190	0.215	-13.2	101	0.00
70 C	Pentachlorophenol	0.234	0.271	-15.8	105	0.00
71	Phenanthrene	1.027	1.086	-5.7	100	0.00
72	Anthracene	1.030	1.114	-8.2	102	0.00
73	Carbazole	0.901	0.993	-10.2	101	0.00
74	Di-n-butylphthalate	1.036	1.196	-15.4	103	0.00
75 C	Fluoranthene	1.033	1.188	-15.0	103	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	103	0.00
77	Benzydine	0.487	0.490	-0.6	98	0.00
78	Pyrene	0.983	1.011	-2.8	103	0.00
79 S	Terphenyl-d14	0.983	1.028	-4.6	103	0.00
80	Butylbenzylphthalate	0.340	0.397	-16.8	104	0.00
81	Benzo(a)anthracene	1.074	1.109	-3.3	99	0.00
82	3,3'-Dichlorobenzidine	0.465	0.497	-6.9	103	0.00
83	Chrysene	0.972	1.064	-9.5	107	0.00
84	Bis(2-ethylhexyl)phthalate	0.499	0.570	-14.2	105	0.00
85 c	Di-n-octyl phthalate	0.905	1.007	-11.3	102	0.00
86 I	Perylene-d12	1.000	1.000	0.0	101	0.00
87	Indeno(1,2,3-cd)pyrene	1.517	1.635	-7.8	102	-0.02
88	Benzo(b)fluoranthene	1.018	1.169	-14.8	106	0.00
89	Benzo(k)fluoranthene	1.023	1.046	-2.2	97	0.00
90 C	Benzo(a)pyrene	0.957	1.035	-8.2	101	0.00
91	Dibenzo(a,h)anthracene	1.241	1.347	-8.5	102	-0.02
92	Benzo(g,h,i)perylene	1.196	1.294	-8.2	102	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
Data File : BF143799.D
Acq On : 23 Sep 2025 17:42
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF092325

Quant Time: Sep 23 18:09:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 17:50:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143799.D
 Acq On : 23 Sep 2025 17:42
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF092325

Quant Time: Sep 23 18:09:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 17:50:26 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	96	0.00
2	1,4-Dioxane	40.000	43.647	-9.1	97	0.00
3	Pyridine	40.000	43.022	-7.6	96	0.00
4	n-Nitrosodimethylamine	40.000	42.441	-6.1	96	-0.02
5 S	2-Fluorophenol	80.000	86.573	-8.2	98	0.00
6	Aniline	40.000	41.592	-4.0	96	0.00
7 S	Phenol-d6	80.000	81.847	-2.3	95	0.00
8	2-Chlorophenol	40.000	42.456	-6.1	97	0.00
9	Benzaldehyde	40.000	46.667	-16.7	95	0.00
10 C	Phenol	40.000	41.956	-4.9	96	-0.01
11	bis(2-Chloroethyl)ether	40.000	41.891	-4.7	96	0.00
12	1,3-Dichlorobenzene	40.000	42.271	-5.7	97	0.00
13 C	1,4-Dichlorobenzene	40.000	41.859	-4.6	96	0.00
14	1,2-Dichlorobenzene	40.000	41.736	-4.3	96	0.00
15	Benzyl Alcohol	40.000	42.558	-6.4	97	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.868	-4.7	96	0.00
17	2-Methylphenol	40.000	42.304	-5.8	97	0.00
18	Hexachloroethane	40.000	42.878	-7.2	98	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.810	0.5	96	-0.01
20	3+4-Methylphenols	40.000	43.619	-9.0	98	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22	Acetophenone	40.000	41.524	-3.8	95	0.00
23 S	Nitrobenzene-d5	80.000	90.799	-13.5	98	0.00
24	Nitrobenzene	40.000	43.582	-9.0	98	-0.01
25	Isophorone	40.000	41.778	-4.4	95	0.00
26 C	2-Nitrophenol	40.000	44.135	-10.3	106	0.00
27	2,4-Dimethylphenol	40.000	42.725	-6.8	96	0.00
28	bis(2-Chloroethoxy)methane	40.000	41.459	-3.6	94	0.00
29 C	2,4-Dichlorophenol	40.000	42.921	-7.3	97	0.00
30	1,2,4-Trichlorobenzene	40.000	42.395	-6.0	96	0.00
31	Naphthalene	40.000	42.019	-5.0	96	0.00
32	Benzoic acid	40.000	43.922	-9.8	103	-0.03
33	4-Chloroaniline	40.000	41.955	-4.9	96	0.00
34 C	Hexachlorobutadiene	40.000	42.413	-6.0	95	0.00
35	Caprolactam	40.000	44.018	-10.0	101	-0.02
36 C	4-Chloro-3-methylphenol	40.000	42.485	-6.2	97	0.00
37	2-Methylnaphthalene	40.000	41.689	-4.2	96	0.00
38	1-Methylnaphthalene	40.000	41.968	-4.9	96	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	98	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.989	-5.0	99	0.00
41 P	Hexachlorocyclopentadiene	40.000	43.786	-9.5	98	0.00
42 S	2,4,6-Tribromophenol	80.000	95.600	-19.5	102	0.00
43 C	2,4,6-Trichlorophenol	40.000	45.018	-12.5	99	0.00
44	2,4,5-Trichlorophenol	40.000	42.310	-5.8	97	0.00
45 S	2-Fluorobiphenyl	80.000	79.843	0.2	98	0.00
46	1,1'-Biphenyl	40.000	41.254	-3.1	98	0.00
47	2-Chloronaphthalene	40.000	41.133	-2.8	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
 Data File : BF143799.D
 Acq On : 23 Sep 2025 17:42
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF092325

Quant Time: Sep 23 18:09:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 17:50:26 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	48.090	-20.2	104	0.00
49	Acenaphthylene	40.000	42.279	-5.7	98	0.00
50	Dimethylphthalate	40.000	42.624	-6.6	99	0.00
51	2,6-Dinitrotoluene	40.000	48.254	-20.6	104	0.00
52 C	Acenaphthene	40.000	41.869	-4.7	97	0.00
53	3-Nitroaniline	40.000	47.665	-19.2	100	0.00
54 P	2,4-Dinitrophenol	40.000	46.217	-15.5	115	0.00
55	Dibenzofuran	40.000	42.251	-5.6	99	0.00
56 P	4-Nitrophenol	40.000	45.864	-14.7	106	0.00
57	2,4-Dinitrotoluene	40.000	44.618	-11.5	105	0.00
58	Fluorene	40.000	42.132	-5.3	100	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	46.097	-15.2	102	0.00
60	Diethylphthalate	40.000	43.199	-8.0	99	0.00
61	4-Chlorophenyl-phenylether	40.000	42.203	-5.5	99	0.00
62	4-Nitroaniline	40.000	47.936	-19.8	101	-0.01
63	Azobenzene	40.000	42.769	-6.9	98	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	99	0.00
65	4,6-Dinitro-2-methylphenol	40.000	45.452	-13.6	117	0.00
66 c	n-Nitrosodiphenylamine	40.000	41.480	-3.7	99	0.00
67	4-Bromophenyl-phenylether	40.000	42.884	-7.2	101	0.00
68	Hexachlorobenzene	40.000	42.661	-6.7	101	0.00
69	Atrazine	40.000	45.083	-12.7	101	0.00
70 C	Pentachlorophenol	40.000	46.307	-15.8	105	0.00
71	Phenanthrene	40.000	42.299	-5.7	100	0.00
72	Anthracene	40.000	43.252	-8.1	102	0.00
73	Carbazole	40.000	44.114	-10.3	101	0.00
74	Di-n-butylphthalate	40.000	46.182	-15.5	103	0.00
75 C	Fluoranthene	40.000	46.027	-15.1	103	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	103	0.00
77	Benzidine	40.000	40.236	-0.6	98	0.00
78	Pyrene	40.000	41.117	-2.8	103	0.00
79 S	Terphenyl-d14	80.000	80.752	-0.9	103	0.00
80	Butylbenzylphthalate	40.000	46.674	-16.7	104	0.00
81	Benzo(a)anthracene	40.000	41.296	-3.2	99	0.00
82	3,3'-Dichlorobenzidine	40.000	42.723	-6.8	103	0.00
83	Chrysene	40.000	43.791	-9.5	107	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.704	-14.3	105	0.00
85 c	Di-n-octyl phthalate	40.000	44.512	-11.3	102	0.00
86 I	Perylene-d12	20.000	20.000	0.0	101	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	43.111	-7.8	102	-0.02
88	Benzo(b)fluoranthene	40.000	45.894	-14.7	106	0.00
89	Benzo(k)fluoranthene	40.000	40.882	-2.2	97	0.00
90 C	Benzo(a)pyrene	40.000	43.246	-8.1	101	0.00
91	Dibenzo(a,h)anthracene	40.000	43.395	-8.5	102	-0.02
92	Benzo(g,h,i)perylene	40.000	43.247	-8.1	102	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
Data File : BF143799.D
Acq On : 23 Sep 2025 17:42
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF092325

Quant Time: Sep 23 18:09:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 17:50:26 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>Q3178</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>09/25/2025 13:06</u>
Lab File ID:	<u>BF143802.D</u>	Init. Calib. Date(s):	<u>09/23/2025 09/23/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:28 15:27</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.231	1.258		2.2	
Benzaldehyde	1.246	1.088		-12.7	
Phenol-d6	1.422	1.376		-3.2	
Phenol	1.653	1.558		-5.7	20.0
bis(2-Chloroethyl)ether	1.296	1.243		-4.1	
2-Chlorophenol	1.260	1.260		0.0	
2-Methylphenol	0.976	0.913		-6.5	
2,2-oxybis(1-Chloropropane)	3.073	2.801		-8.9	
Acetophenone	0.439	0.443		0.9	
3+4-Methylphenols	1.185	1.115		-5.9	
n-Nitroso-di-n-propylamine	0.915	0.782	0.050	-14.5	
Nitrobenzene-d5	0.327	0.344		5.2	
Hexachloroethane	0.514	0.521		1.4	
Nitrobenzene	0.362	0.378		4.4	
Isophorone	0.637	0.603		-5.3	
2-Nitrophenol	0.132	0.146		10.6	20.0
2,4-Dimethylphenol	0.285	0.277		-2.8	
bis(2-Chloroethoxy)methane	0.414	0.395		-4.6	
2,4-Dichlorophenol	0.280	0.281		0.4	20.0
Naphthalene	0.957	0.981		2.5	
4-Chloroaniline	0.336	0.325		-3.3	
Hexachlorobutadiene	0.217	0.226		4.1	20.0
Caprolactam	0.072	0.066		-8.3	
4-Chloro-3-methylphenol	0.263	0.247		-6.1	20.0
2-Methylnaphthalene	0.611	0.595		-2.6	
Hexachlorocyclopentadiene	0.383	0.408	0.050	6.5	
2,4,6-Trichlorophenol	0.378	0.418		10.6	20.0
2-Fluorobiphenyl	1.282	1.393		8.7	
2,4,5-Trichlorophenol	0.395	0.403		2.0	
1,1-Biphenyl	1.448	1.524		5.2	
2-Chloronaphthalene	1.165	1.233		5.8	
2-Nitroaniline	0.352	0.387		9.9	
Dimethylphthalate	1.219	1.236		1.4	
Acenaphthylene	1.604	1.679		4.7	
2,6-Dinitrotoluene	0.200	0.216		8.0	
3-Nitroaniline	0.243	0.269		10.7	
Acenaphthene	1.056	1.080		2.3	20.0
2,4-Dinitrophenol	0.064	0.055	0.050	-14.1	
4-Nitrophenol	0.196	0.194	0.050	-1.0	



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.: Q3178
 Instrument ID: BNA_F Calibration Date/Time: 09/25/2025 13:06
 Lab File ID: BF143802.D Init. Calib. Date(s): 09/23/2025 09/23/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:28 15:27
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.493	1.563		4.7	
2,4-Dinitrotoluene	0.261	0.284		8.8	
Diethylphthalate	1.141	1.135		-0.5	
4-Chlorophenyl-phenylether	0.566	0.574		1.4	
Fluorene	1.110	1.133		2.1	
4-Nitroaniline	0.228	0.238		4.4	
4,6-Dinitro-2-methylphenol	0.067	0.064		-4.5	
n-Nitrosodiphenylamine	0.658	0.695		5.6	20.0
2,4,6-Tribromophenol	0.296	0.324		9.5	
4-Bromophenyl-phenylether	0.341	0.362		6.2	
Hexachlorobenzene	0.470	0.502		6.8	
Atrazine	0.190	0.199		4.7	
Pentachlorophenol	0.234	0.250		6.8	20.0
Phenanthrene	1.027	1.090		6.1	
Anthracene	1.030	1.081		5.0	
Carbazole	0.901	0.964		7.0	
Di-n-butylphthalate	1.036	1.140		10.0	
Fluoranthene	1.033	1.115		7.9	20.0
Pyrene	0.983	1.009		2.6	
Terphenyl-d14	0.983	1.053		7.1	
Butylbenzylphthalate	0.340	0.368		8.2	
3,3-Dichlorobenzidine	0.465	0.465		0.0	
Benzo (a) anthracene	1.074	1.093		1.8	
Chrysene	0.972	1.030		6.0	
Bis(2-ethylhexyl)phthalate	0.499	0.540		8.2	
Di-n-octyl phthalate	0.905	0.923		2.0	20.0
Benzo (b) fluoranthene	1.019	1.038		2.0	
Benzo (k) fluoranthene	1.023	0.941		-8.0	
Benzo (a) pyrene	0.957	1.005		5.0	20.0
Indeno (1,2,3-cd) pyrene	1.517	1.634		7.7	
Dibenzo (a,h) anthracene	1.241	1.343		8.2	
Benzo (g,h,i) perylene	1.196	1.287		7.6	
1,2,4,5-Tetrachlorobenzene	0.604	0.655		8.4	
1,4-Dioxane	0.589	0.655		11.2	20.0
2,3,4,6-Tetrachlorophenol	0.339	0.367		8.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143802.D
 Acq On : 25 Sep 2025 13:06
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025

Quant Time: Sep 25 14:33:57 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 24 05:00:00 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	104582	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	347863	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	153714	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	230130	20.000	ng	0.00
76) Chrysene-d12	14.057	240	269656	20.000	ng	0.00
86) Perylene-d12	15.533	264	377788	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	526177	81.743	ng	0.00
7) Phenol-d6	6.498	99	575748	77.411	ng	-0.01
23) Nitrobenzene-d5	7.445	82	478824	84.256	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	199120	87.487	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	856559	86.957	ng	0.00
79) Terphenyl-d14	12.998	244	1136138	85.688	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	137047	44.481	ng	99
3) Pyridine	3.399	79	347233	41.751	ng	97
4) n-Nitrosodimethylamine	3.340	42	161912	38.826	ng	94
6) Aniline	6.545	93	407371	37.738	ng	99
8) 2-Chlorophenol	6.669	128	263465	39.981	ng	98
9) Benzaldehyde	6.434	77	227579	34.942	ng	99
10) Phenol	6.516	94	325930m	37.701	ng	
11) bis(2-Chloroethyl)ether	6.616	93	259976	38.364	ng	99
12) 1,3-Dichlorobenzene	6.828	146	309941	40.509	ng	99
13) 1,4-Dichlorobenzene	6.904	146	305856	40.057	ng	100
14) 1,2-Dichlorobenzene	7.057	146	282473	39.060	ng	98
15) Benzyl Alcohol	7.022	79	200542	37.316	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	585866	36.459	ng	100
17) 2-Methylphenol	7.128	107	191056	37.449	ng	99
18) Hexachloroethane	7.398	117	108879	40.547	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	163589	34.204	ng	98
20) 3+4-Methylphenols	7.281	107	233199	37.534	ng	94
22) Acetophenone	7.292	105	308023	40.315	ng	97
24) Nitrobenzene	7.463	77	262670	41.699	ng	98
25) Isophorone	7.698	82	419359	37.868	ng	100
26) 2-Nitrophenol	7.781	139	101572	39.769	ng	97
27) 2,4-Dimethylphenol	7.810	122	192377	38.866	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	274539	38.157	ng	99
29) 2,4-Dichlorophenol	8.016	162	195253	40.090	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	210489	41.644	ng	100
31) Naphthalene	8.192	128	682488	40.984	ng	100
32) Benzoic acid	7.886	122	75542	31.632	ng	98
33) 4-Chloroaniline	8.234	127	226064	38.630	ng	100
34) Hexachlorobutadiene	8.310	225	157190	41.718	ng	99
35) Caprolactam	8.581	113	45615	36.642	ng	91
36) 4-Chloro-3-methylphenol	8.704	107	171987	37.652	ng	97
37) 2-Methylnaphthalene	8.881	142	414017	38.990	ng	99
38) 1-Methylnaphthalene	8.981	142	397377	39.098	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	201243	43.382	ng	99
41) Hexachlorocyclopentadiene	9.033	237	125390	42.650	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	128472	44.230	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143802.D
 Acq On : 25 Sep 2025 13:06
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025

Quant Time: Sep 25 14:33:57 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 24 05:00:00 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	123986	40.809	ng	99
46) 1,1'-Biphenyl	9.345	154	468412	42.097	ng	99
47) 2-Chloronaphthalene	9.369	162	379129	42.329	ng	99
48) 2-Nitroaniline	9.457	65	119048	43.977	ng	95
49) Acenaphthylene	9.786	152	516213	41.866	ng	100
50) Dimethylphthalate	9.639	163	380041	40.564	ng	100
51) 2,6-Dinitrotoluene	9.698	165	66448	43.168	ng	93
52) Acenaphthene	9.957	154	331958	40.912	ng	99
53) 3-Nitroaniline	9.869	138	82818	44.387	ng	100
54) 2,4-Dinitrophenol	9.975	184	16803	37.264	ng	# 77
55) Dibenzofuran	10.128	168	480540	41.881	ng	99
56) 4-Nitrophenol	10.016	139	59642	39.668	ng	96
57) 2,4-Dinitrotoluene	10.104	165	87197	38.763	ng	98
58) Fluorene	10.475	166	348262	40.828	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	112924	43.386	ng	97
60) Diethylphthalate	10.339	149	348861	39.778	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	176372	40.580	ng	100
62) 4-Nitroaniline	10.480	138	73202	41.725	ng	98
63) Azobenzene	10.622	77	372680	40.321	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	29506	37.701	ng	92
66) n-Nitrosodiphenylamine	10.580	169	319987	42.280	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	166753	42.519	ng	99
68) Hexachlorobenzene	11.022	284	230854	42.714	ng	98
69) Atrazine	11.104	200	91458	41.731	ng	97
70) Pentachlorophenol	11.210	266	115094	42.781	ng	98
71) Phenanthrene	11.433	178	501591	42.454	ng	99
72) Anthracene	11.486	178	497611	41.988	ng	99
73) Carbazole	11.639	167	443477	42.799	ng	100
74) Di-n-butylphthalate	11.974	149	524645	44.025	ng	100
75) Fluoranthene	12.627	202	513260	43.193	ng	99
77) Benzidine	12.745	184	259270	39.457	ng	99
78) Pyrene	12.857	202	544153	41.045	ng	99
80) Butylbenzylphthalate	13.474	149	198621	43.304	ng	99
81) Benzo(a)anthracene	14.045	228	589468	40.691	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	250642	39.938	ng	99
83) Chrysene	14.080	228	555552	42.382	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	291258	43.322	ng	98
85) Di-n-octyl phthalate	14.651	149	498026	40.838	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	1234638	43.072	ng	99
88) Benzo(b)fluoranthene	15.098	252	784257	40.764	ng	99
89) Benzo(k)fluoranthene	15.127	252	710770	36.773	ng	100
90) Benzo(a)pyrene	15.468	252	759384	41.992	ng	100
91) Dibenzo(a,h)anthracene	17.045	278	1014551	43.274	ng	99
92) Benzo(g,h,i)perylene	17.474	276	972510	43.031	ng	100

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

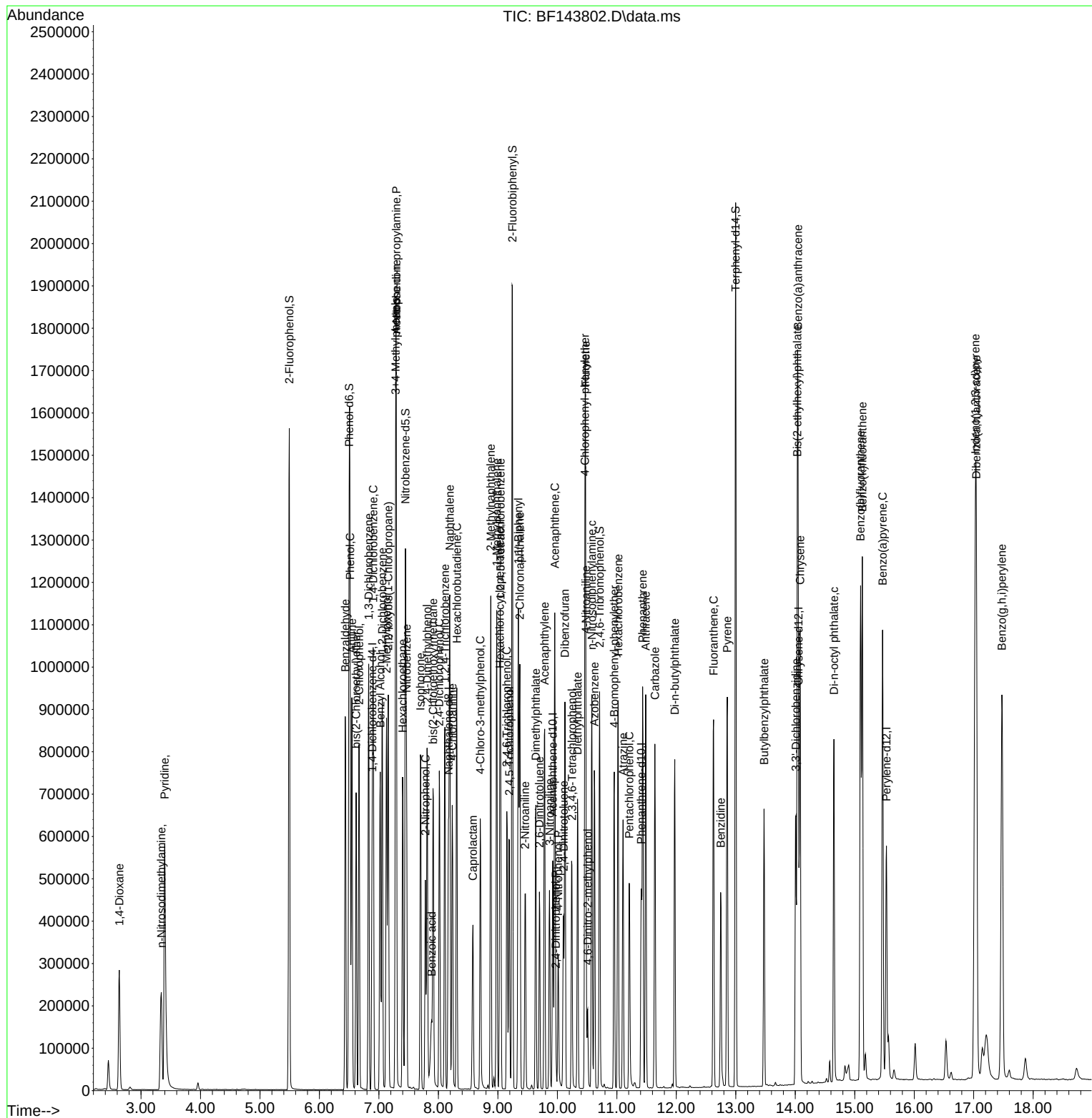
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Data File : BF143802.D  
Acq On    : 25 Sep 2025  13:06  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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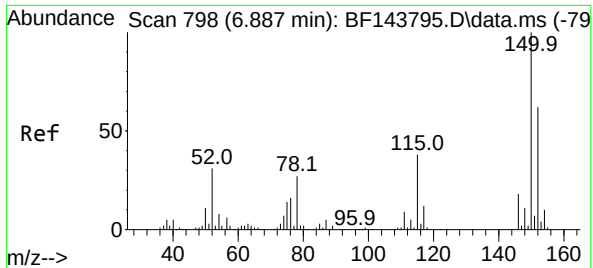
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

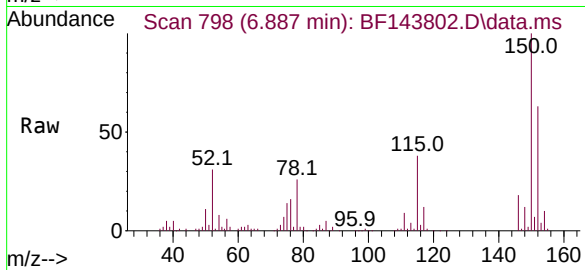
Quant Time: Sep 25 14:33:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

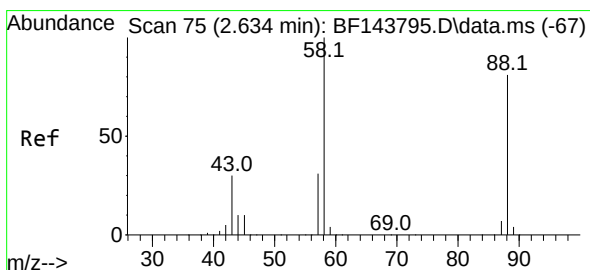
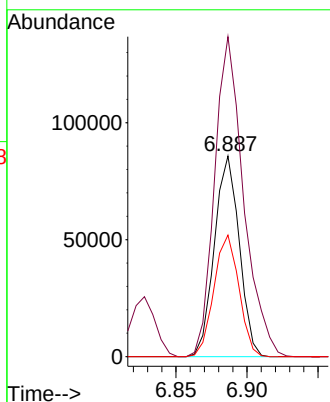
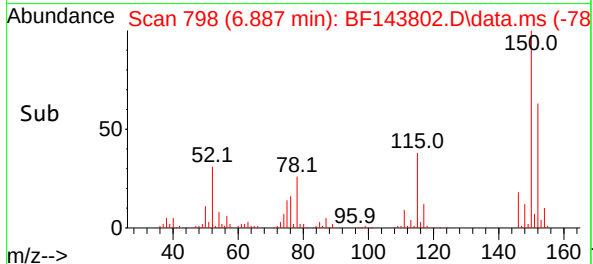
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 104582
Ion Ratio Lower Upper
152 100
150 159.6 129.6 194.4
115 60.6 49.0 73.4

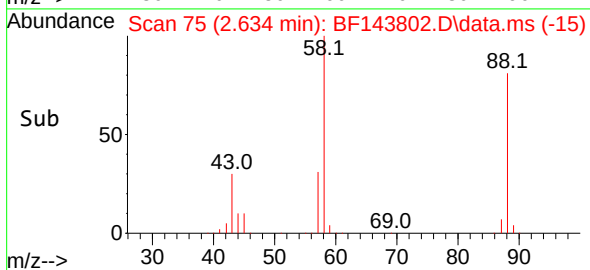
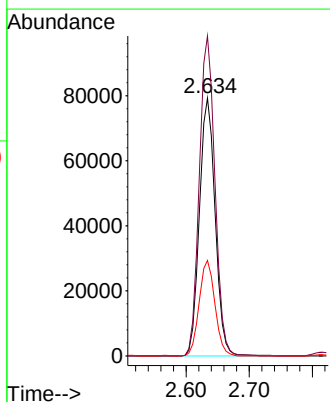
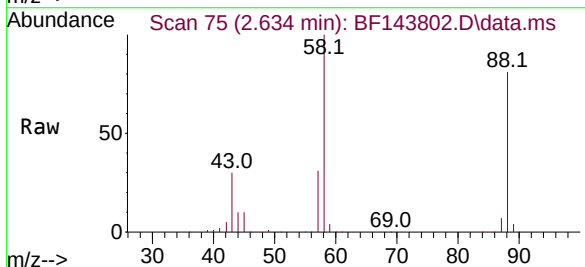
Manual Integrations
APPROVED

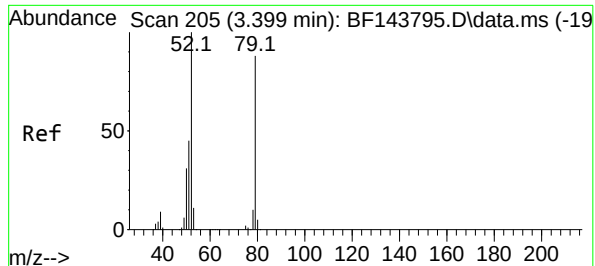
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#2
1,4-Dioxane
Concen: 44.481 ng
RT: 2.634 min Scan# 75
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

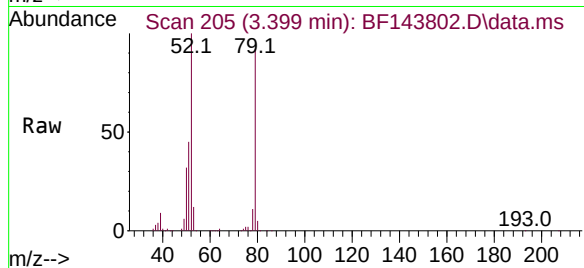
Tgt Ion: 88 Resp: 137047
Ion Ratio Lower Upper
88 100
58 123.2 99.4 149.2
43 37.0 30.6 45.8





#3
Pyridine
Concen: 41.751 ng
RT: 3.399 min Scan# 205
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

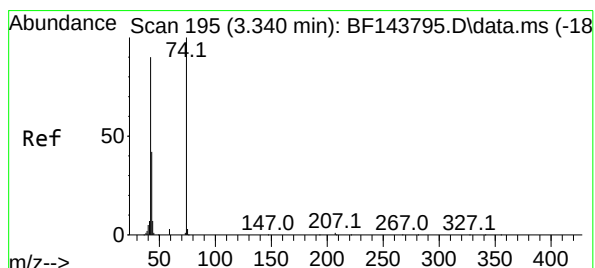
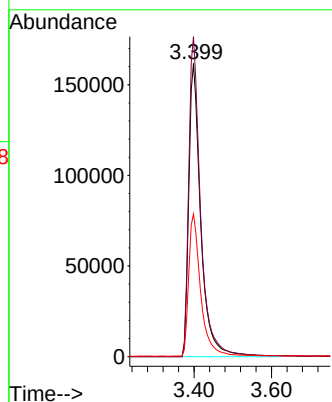
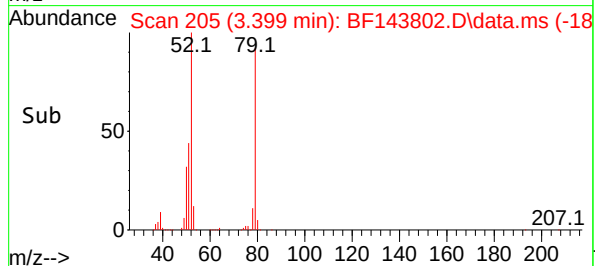
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



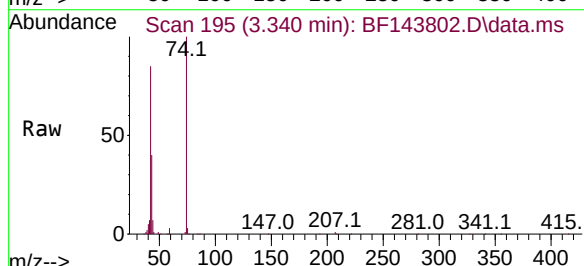
Tgt Ion: 79 Resp: 347233
Ion Ratio Lower Upper
79 100
52 109.2 90.5 135.7
51 48.7 40.6 61.0

Manual Integrations
APPROVED

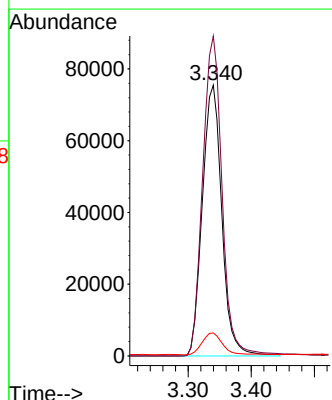
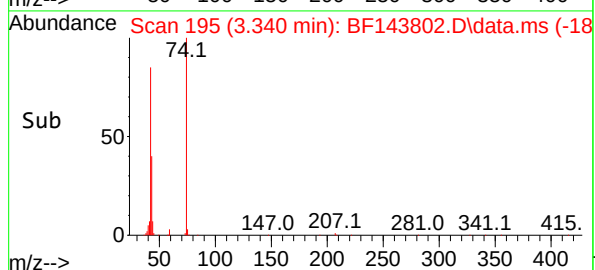
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

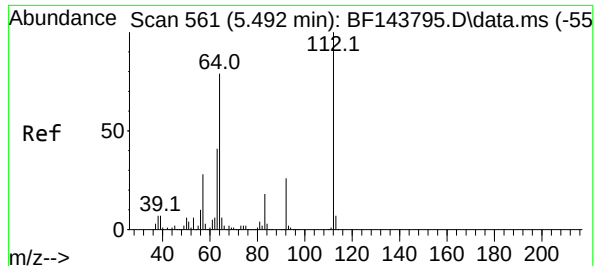


#4
n-Nitrosodimethylamine
Concen: 38.826 ng
RT: 3.340 min Scan# 195
Delta R.T. -0.018 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06



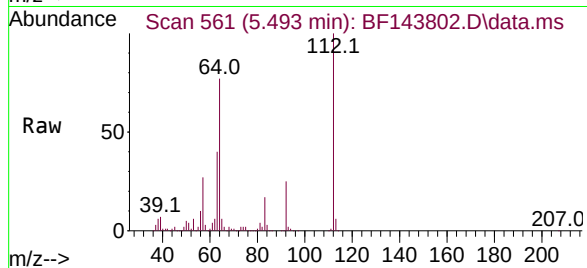
Tgt Ion: 42 Resp: 161912
Ion Ratio Lower Upper
42 100
74 118.1 89.1 133.7
44 8.5 6.4 9.6





#5
2-Fluorophenol
Concen: 81.743 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

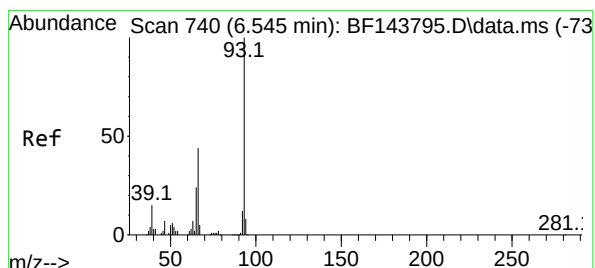
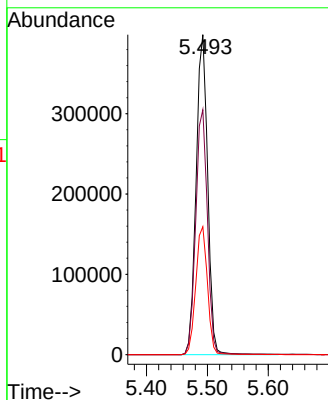
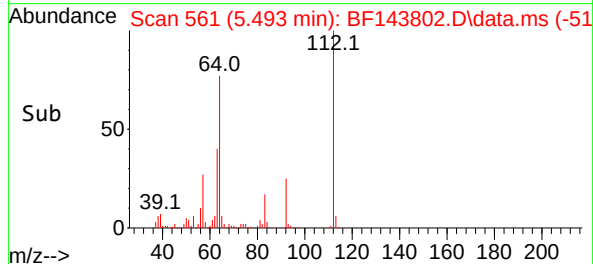
Instrument :
BNA_F
ClientSampleId :
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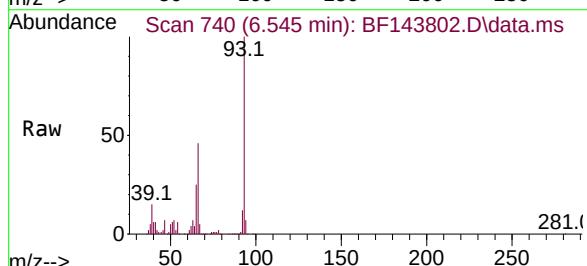
Tgt Ion: 112 Resp: 526172
Ion Ratio Lower Upper
112 100
64 76.5 63.0 94.4
63 40.0 32.6 49.0

Manual Integrations
APPROVED

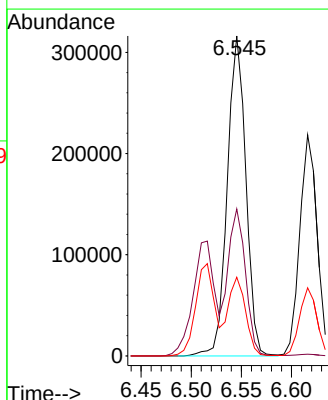
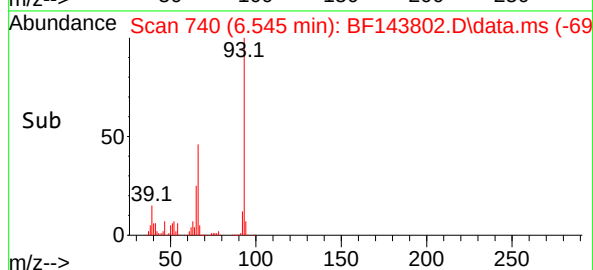
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

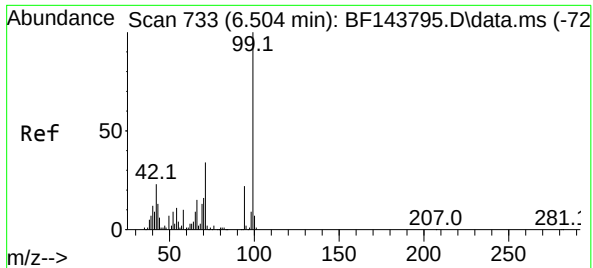


#6
Aniline
Concen: 37.738 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06



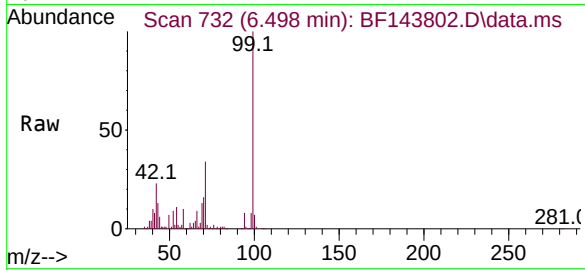
Tgt Ion: 93 Resp: 407371
Ion Ratio Lower Upper
93 100
66 45.9 37.1 55.7
65 24.6 19.4 29.0





#7
Phenol-d6
Concen: 77.411 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

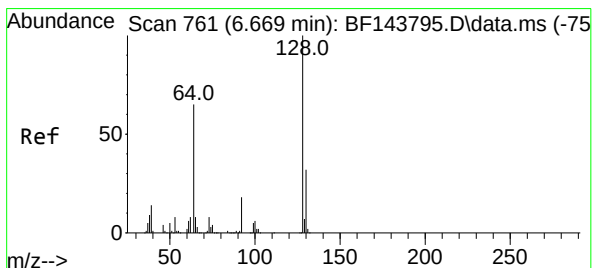
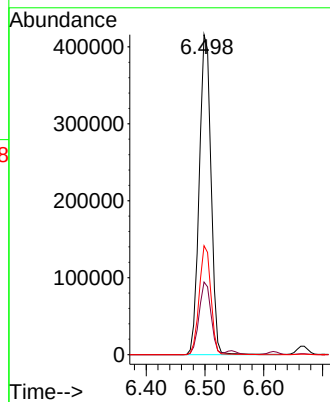
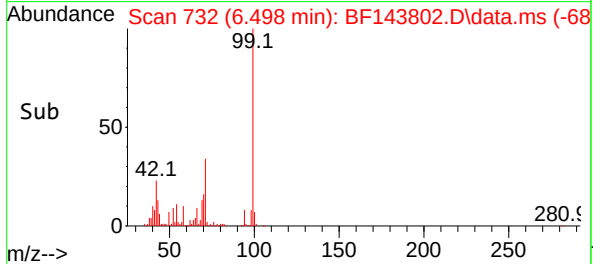
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 99 Resp: 575748
Ion Ratio Lower Upper
99 100
42 22.7 18.6 28.0
71 34.0 27.0 40.4

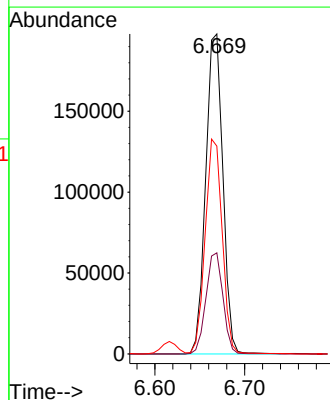
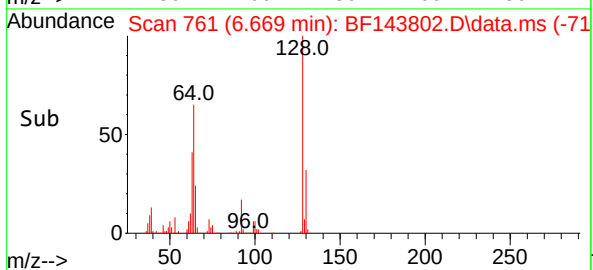
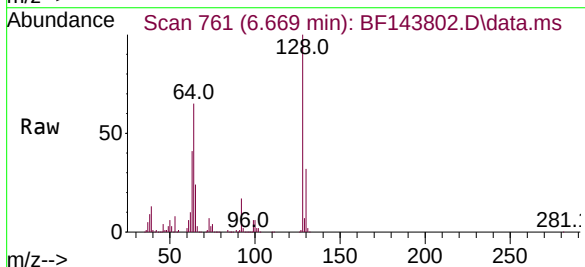
Manual Integrations
APPROVED

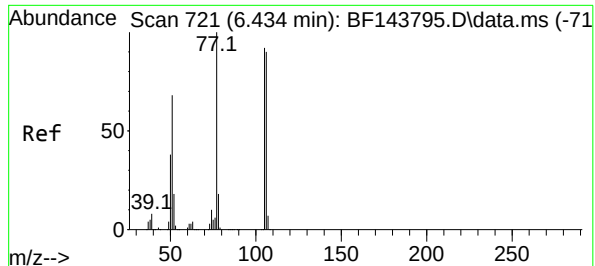
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#8
2-Chlorophenol
Concen: 39.981 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Tgt Ion:128 Resp: 263465
Ion Ratio Lower Upper
128 100
130 31.6 12.2 52.2
64 64.9 46.5 86.5





#9

Benzaldehyde

Concen: 34.942 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF143802.D

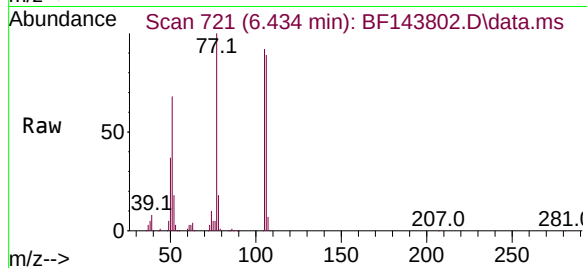
Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 77 Resp: 227579

Ion Ratio Lower Upper

77 100

105 92.5 71.8 111.8

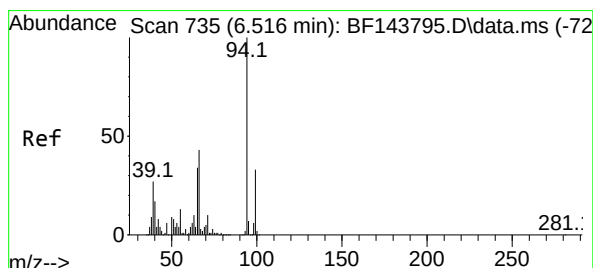
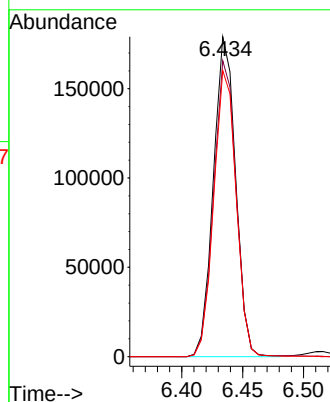
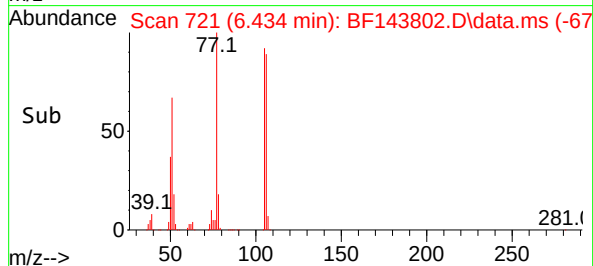
106 89.4 69.8 109.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#10

Phenol

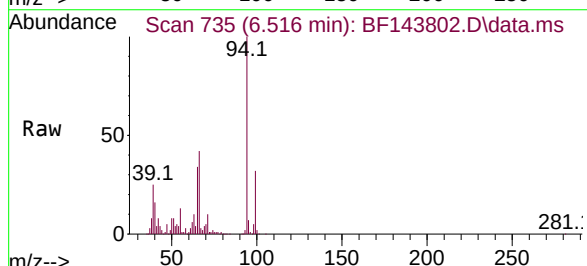
Concen: 37.701 ng m

RT: 6.516 min Scan# 735

Delta R.T. -0.012 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06



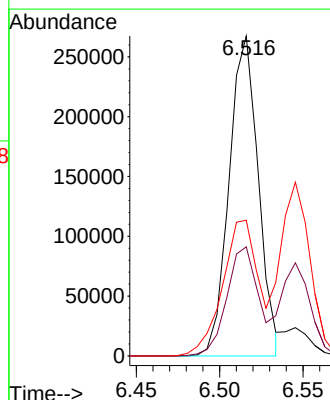
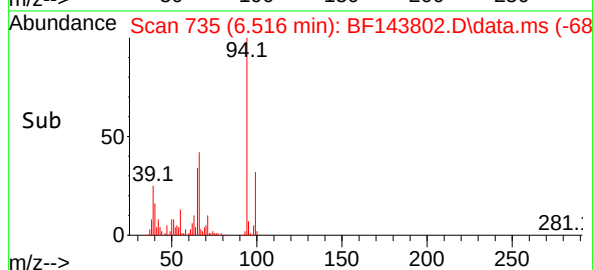
Tgt Ion: 94 Resp: 325930

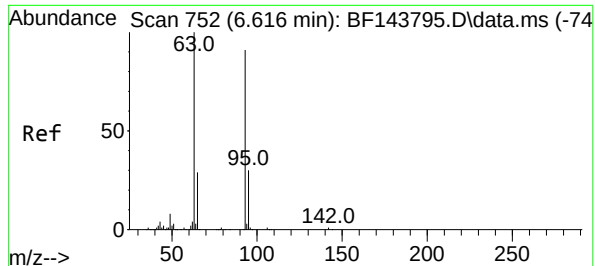
Ion Ratio Lower Upper

94 100

65 34.1 14.2 54.2

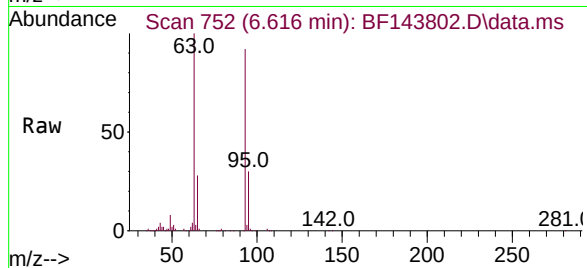
66 42.4 24.1 64.1





#11
bis(2-Chloroethyl)ether
Concen: 38.364 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

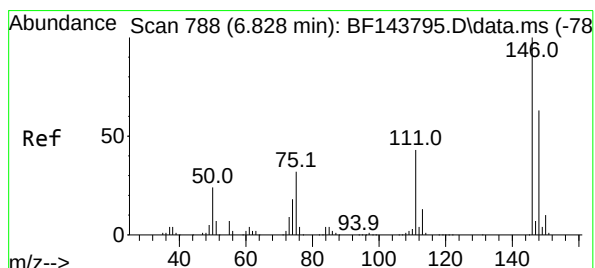
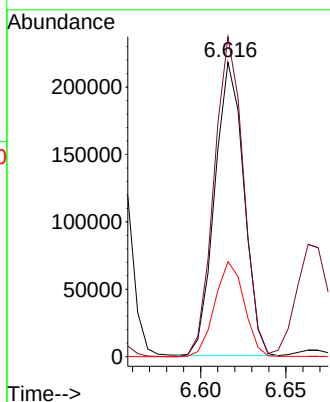
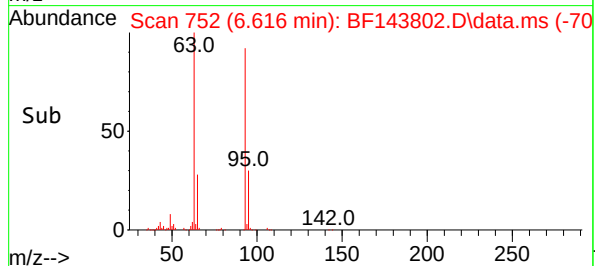
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 93 Resp: 259976
Ion Ratio Lower Upper
93 100
63 108.7 89.2 129.2
95 32.3 12.9 52.9

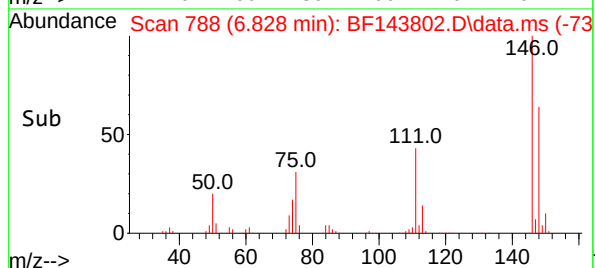
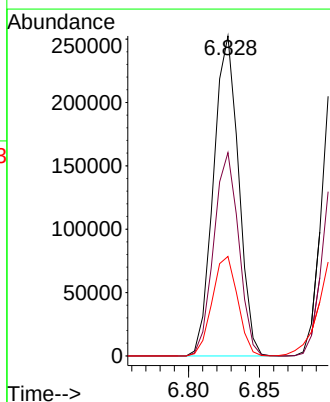
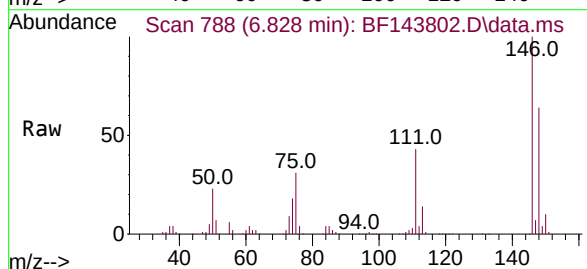
Manual Integrations
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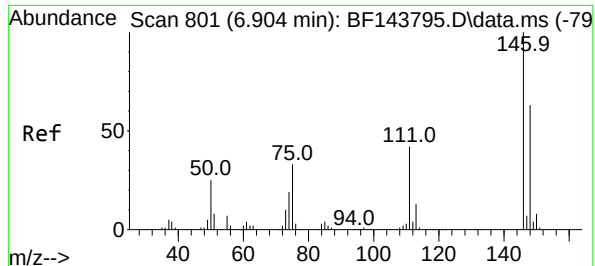
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#12
1,3-Dichlorobenzene
Concen: 40.509 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Tgt Ion:146 Resp: 309941
Ion Ratio Lower Upper
146 100
148 63.5 50.4 75.6
75 31.1 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 40.057 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 305856

Ion Ratio Lower Upper

146 100

148 63.6 50.7 76.1

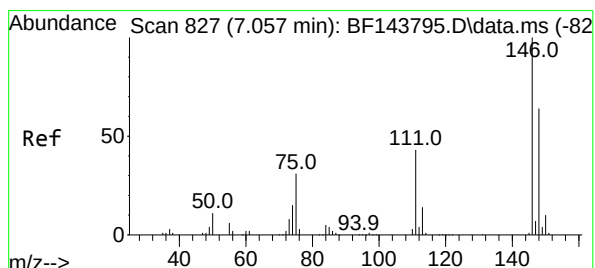
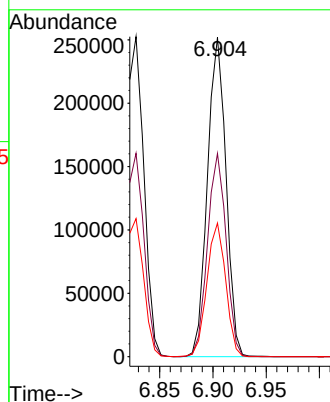
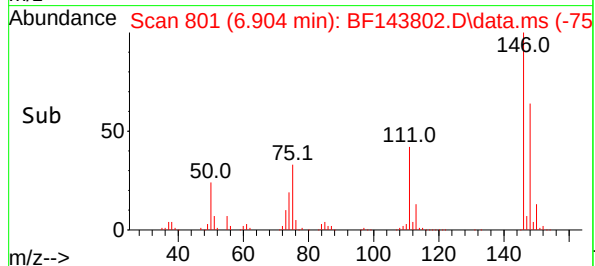
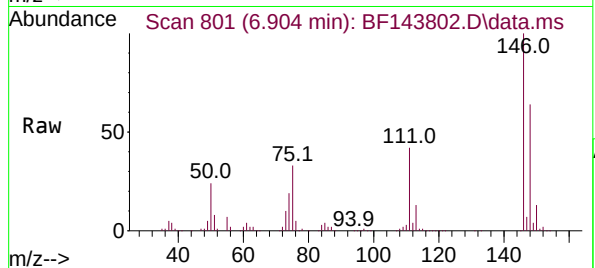
111 41.8 33.4 50.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#14

1,2-Dichlorobenzene

Concen: 39.060 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

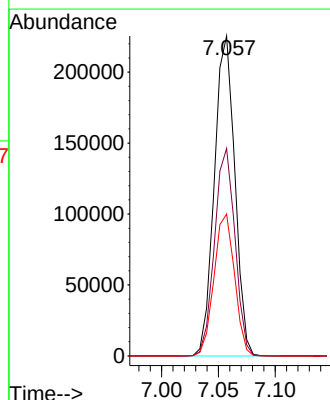
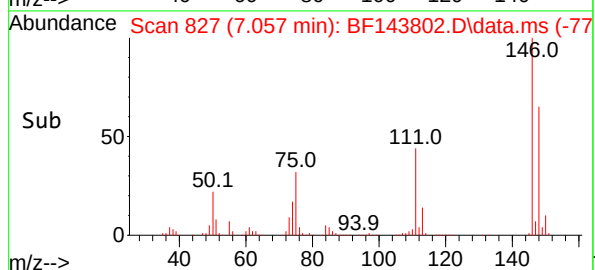
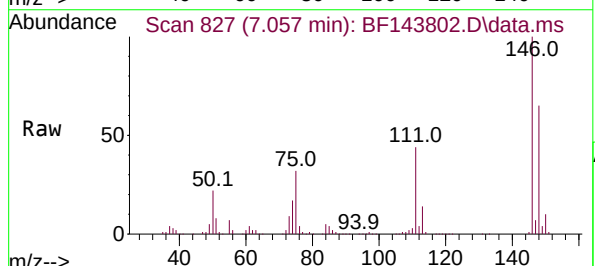
Tgt Ion:146 Resp: 282473

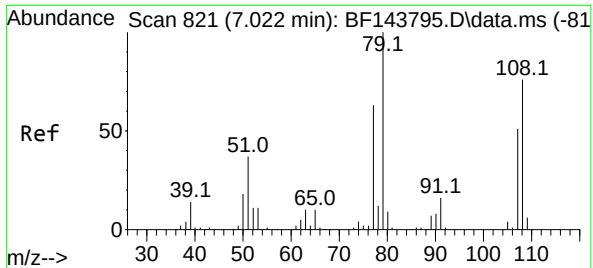
Ion Ratio Lower Upper

146 100

148 64.9 51.1 76.7

111 44.3 34.3 51.5





#15

Benzyl Alcohol

Concen: 37.316 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143802.D

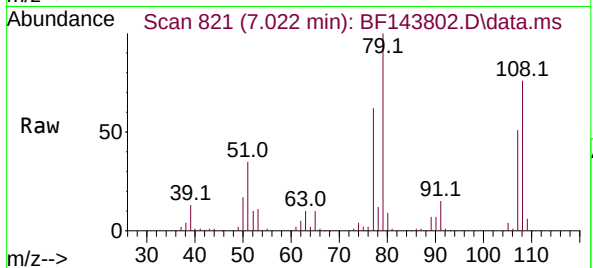
Acq: 25 Sep 2025 13:06

Instrument :

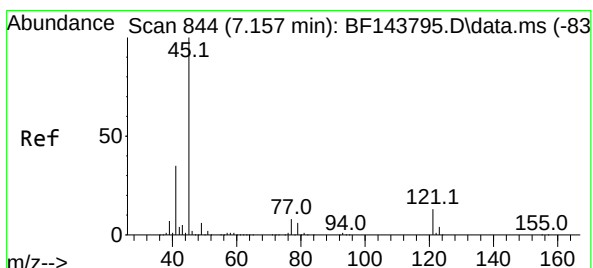
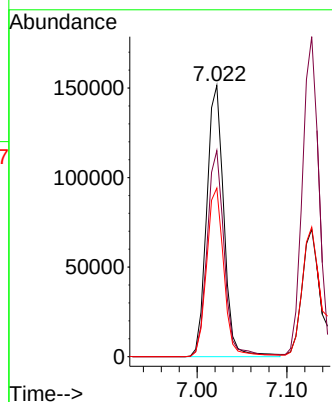
BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 79	Resp: 200542
Ion Ratio	Lower Upper
79	100
108	75.9 60.5 90.7
77	62.2 50.3 75.5

Manual Integrations
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Supervised By :Jagrut Upadhyay 09/26/2025

#16

2,2'-oxybis(1-Chloropropane)

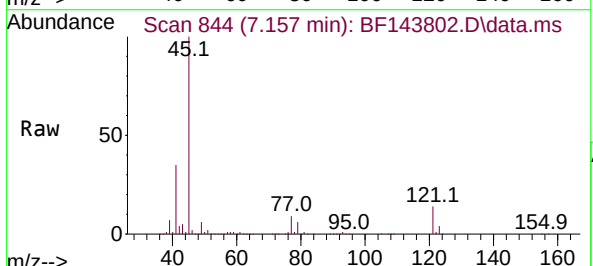
Concen: 36.459 ng

RT: 7.157 min Scan# 844

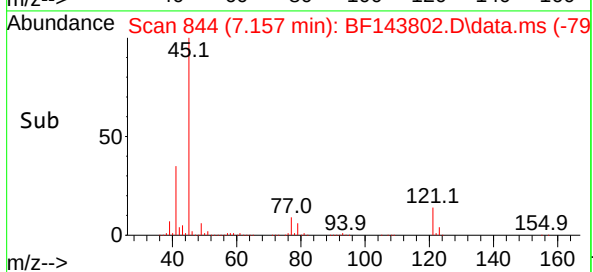
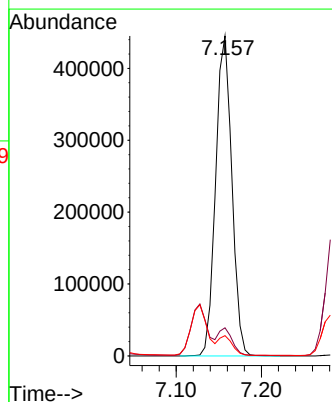
Delta R.T. 0.000 min

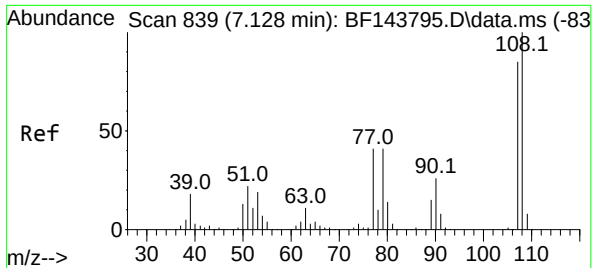
Lab File: BF143802.D

Acq: 25 Sep 2025 13:06



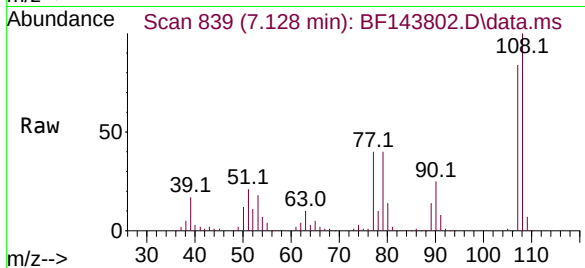
Tgt Ion: 45	Resp: 585866
Ion Ratio	Lower Upper
45	100
77	8.8 0.0 28.5
79	6.3 0.0 26.3





#17
2-Methylphenol
Concen: 37.449 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

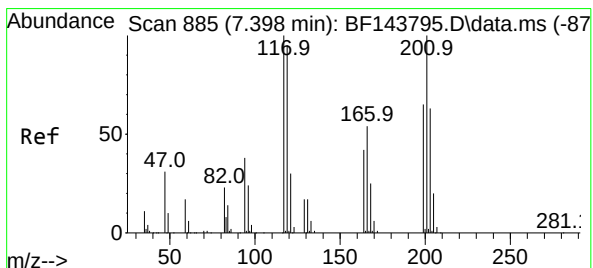
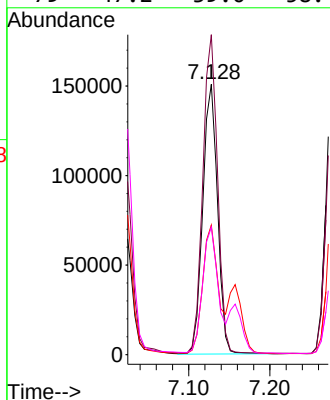
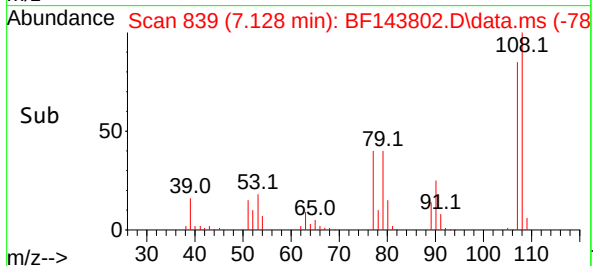
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



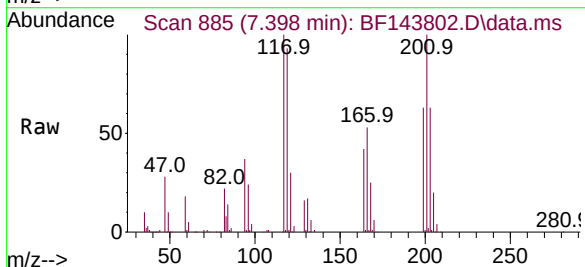
Tgt Ion:107 Resp: 191056
Ion Ratio Lower Upper
107 100
108 118.4 94.2 141.4
77 47.9 38.6 58.0
79 47.2 39.0 58.4

Manual Integrations
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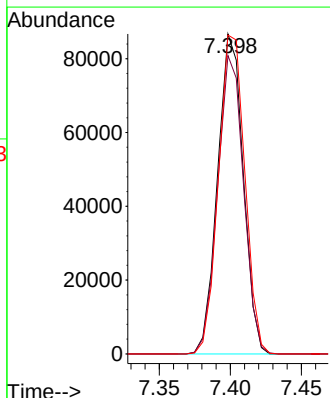
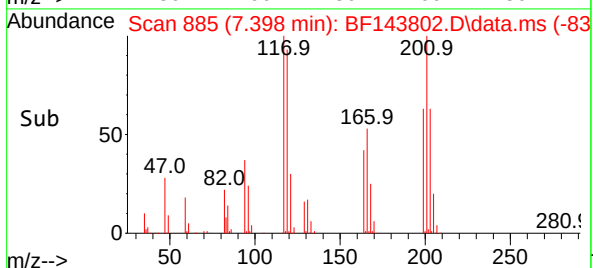
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

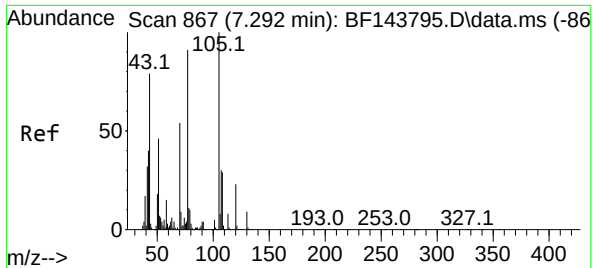


#18
Hexachloroethane
Concen: 40.547 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06



Tgt Ion:117 Resp: 108879
Ion Ratio Lower Upper
117 100
119 93.2 76.2 114.2
201 99.6 79.7 119.5





#19

n-Nitroso-di-n-propylamine

Concen: 34.204 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 163589

Ion Ratio Lower Upper

70 100

42 72.6 59.4 89.0

101 8.9 7.1 10.7

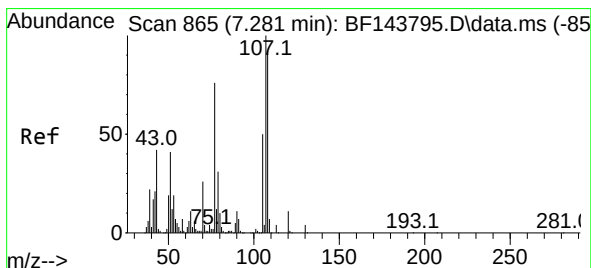
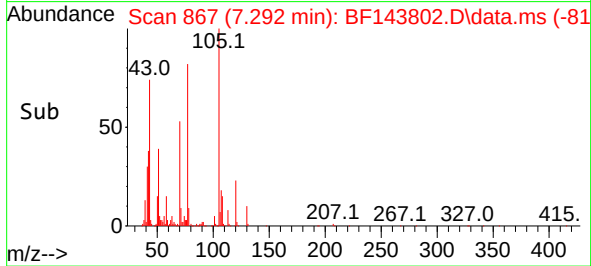
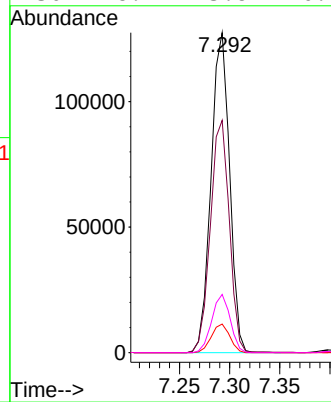
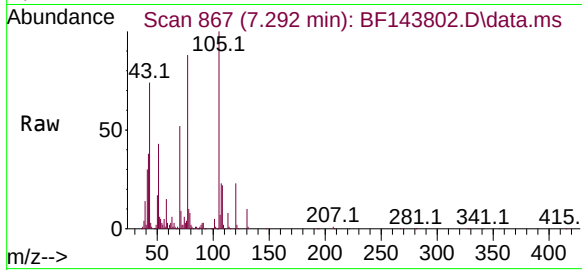
130 18.2 13.8 20.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#20

3+4-Methylphenols

Concen: 37.534 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Tgt Ion:107 Resp: 233199

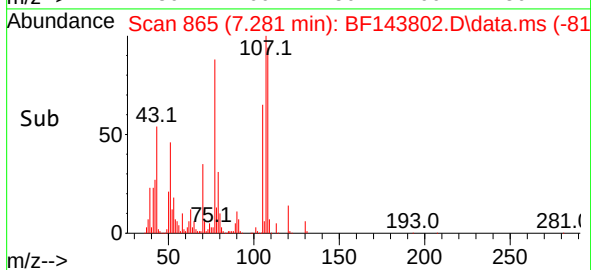
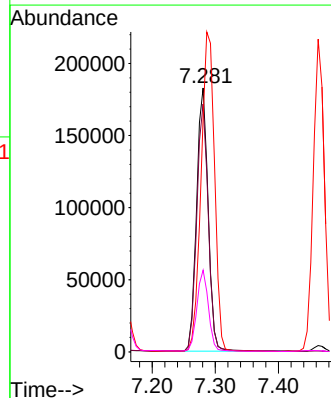
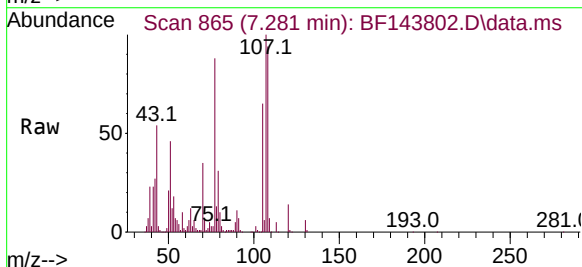
Ion Ratio Lower Upper

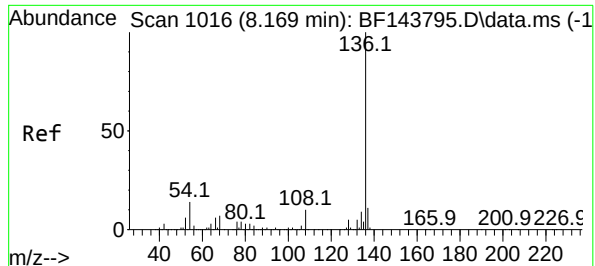
107 100

108 93.9 72.5 112.5

77 88.4 56.2 96.2

79 30.9 10.8 50.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 347863

Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 13.1 11.2 16.8

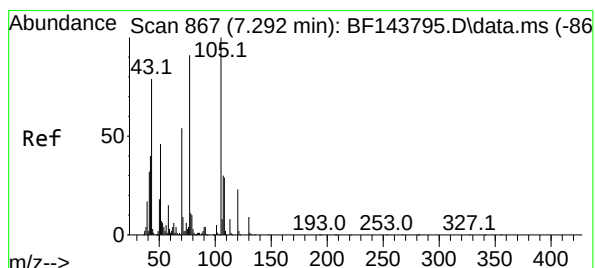
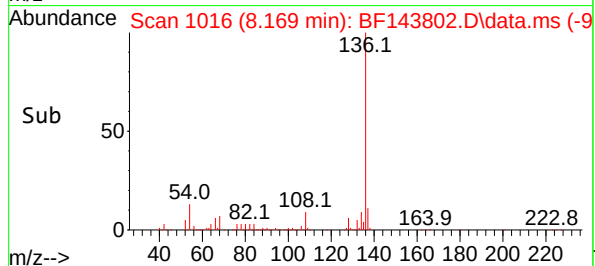
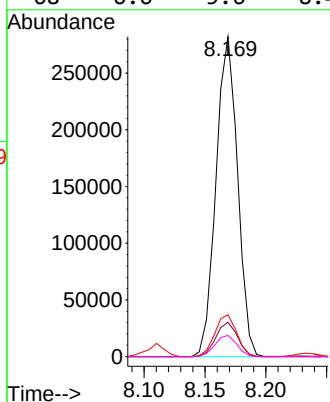
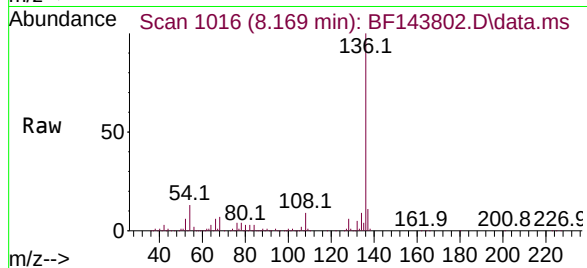
68 6.6 5.6 8.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#22

Acetophenone

Concen: 40.315 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Tgt Ion:105 Resp: 308023

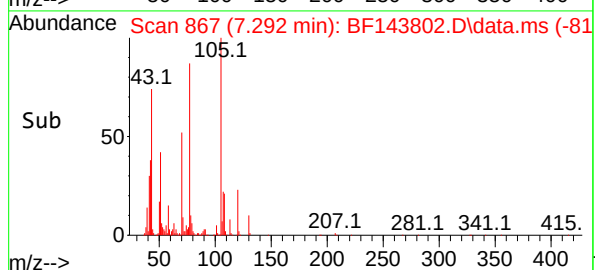
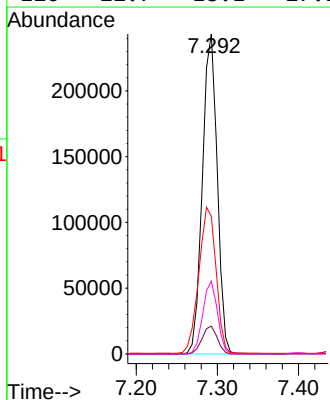
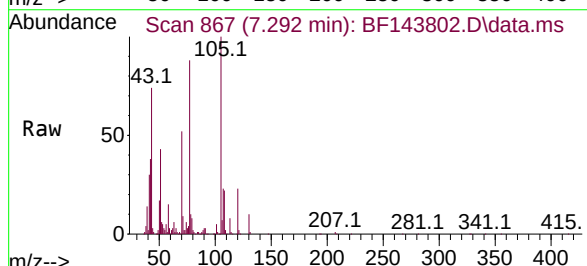
Ion Ratio Lower Upper

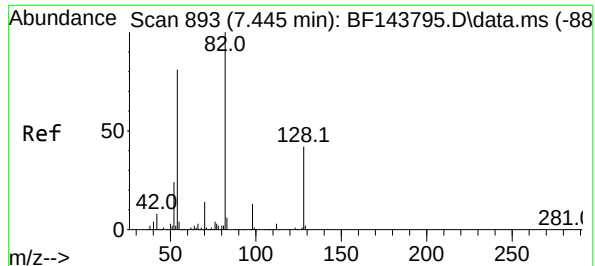
105 100

71 8.7 7.0 10.4

51 43.0 36.6 55.0

120 22.7 18.1 27.1





#23

Nitrobenzene-d5

Concen: 84.256 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 478824

Ion Ratio Lower Upper

82 100

128 42.5 33.3 49.9

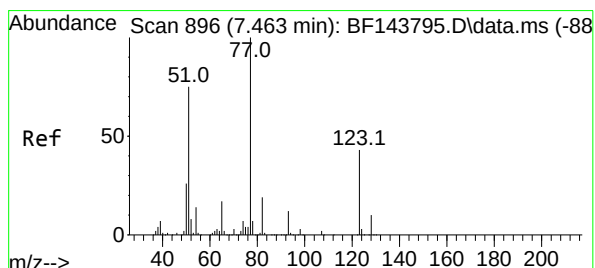
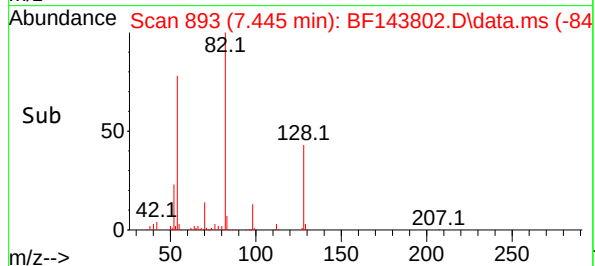
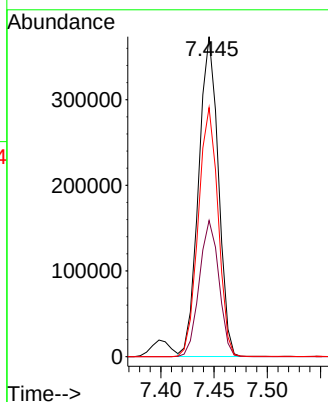
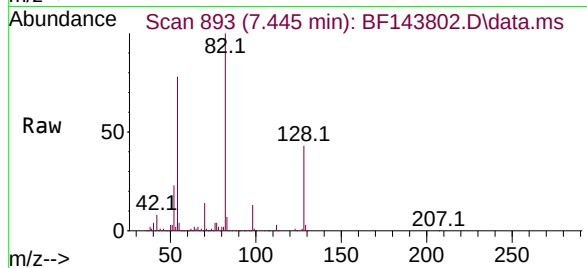
54 77.8 64.2 96.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#24

Nitrobenzene

Concen: 41.699 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

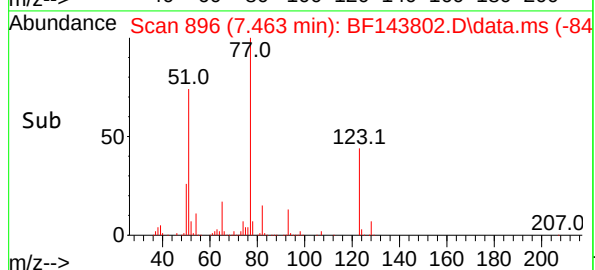
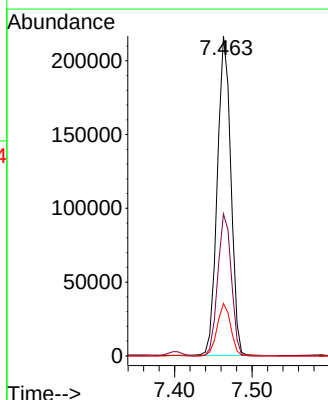
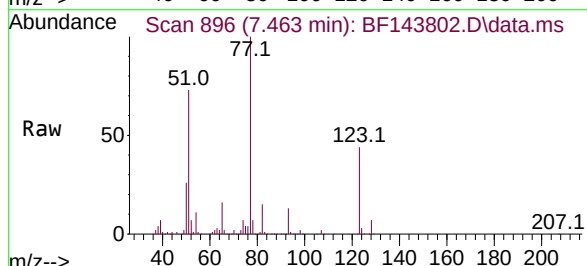
Tgt Ion: 77 Resp: 262670

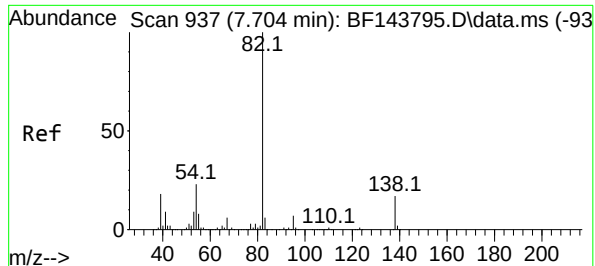
Ion Ratio Lower Upper

77 100

123 44.4 34.0 51.0

65 16.3 13.5 20.3





#25

Isophorone

Concen: 37.868 ng

RT: 7.698 min Scan# 936

Delta R.T. -0.012 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 419359

Ion Ratio Lower Upper

82 100

95 6.6 5.4 8.2

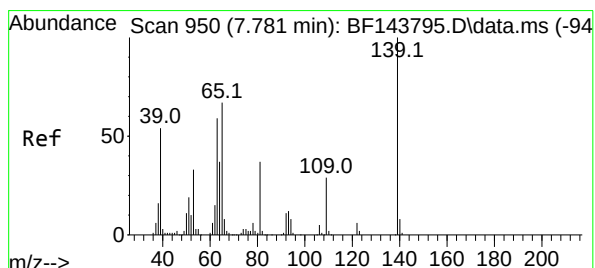
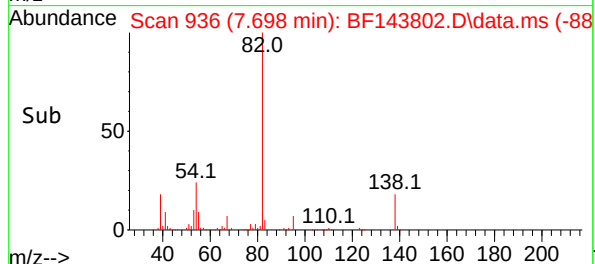
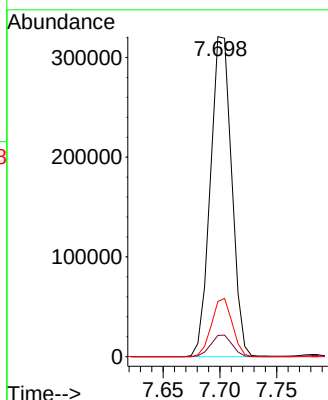
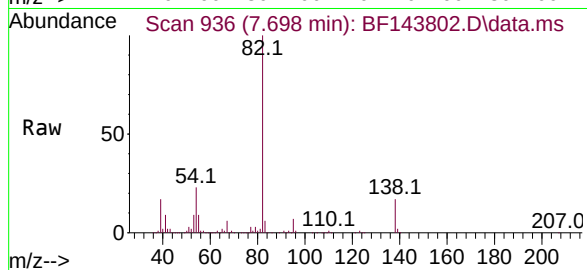
138 17.2 13.7 20.5

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#26

2-Nitrophenol

Concen: 39.769 ng

RT: 7.781 min Scan# 950

Delta R.T. -0.005 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

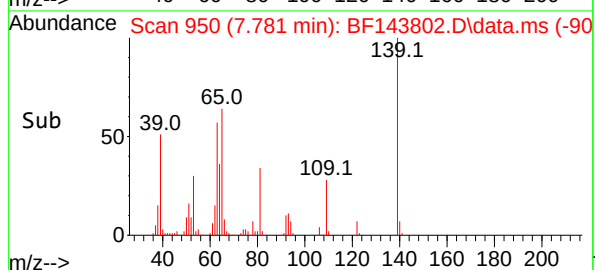
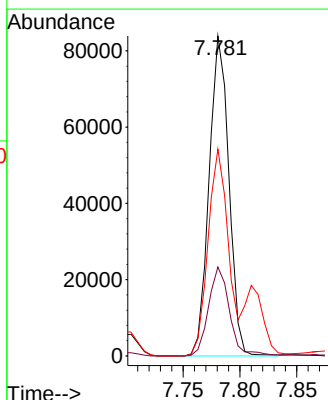
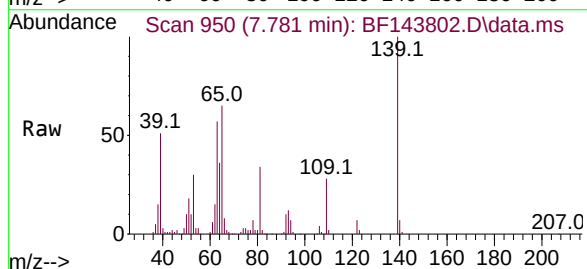
Tgt Ion:139 Resp: 101572

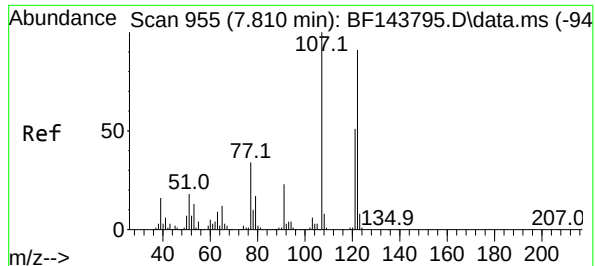
Ion Ratio Lower Upper

139 100

109 27.8 23.3 34.9

65 64.6 53.8 80.6





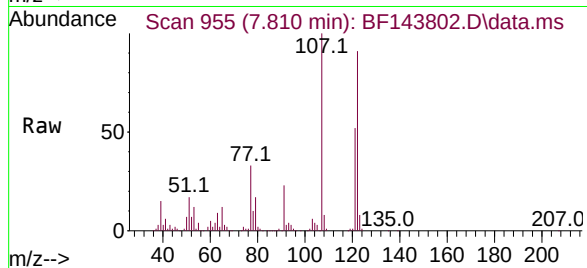
#27
2,4-Dimethylphenol
Concen: 38.866 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

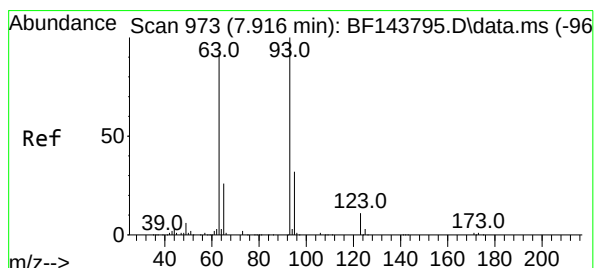
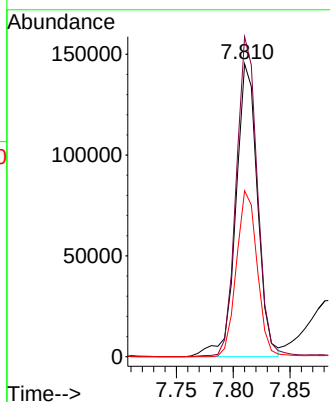
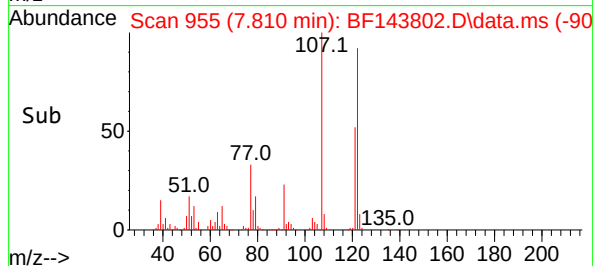


Tgt Ion:122 Resp: 192372
Ion Ratio Lower Upper
122 100
107 109.3 87.5 131.3
121 56.7 44.2 66.4

Manual Integrations

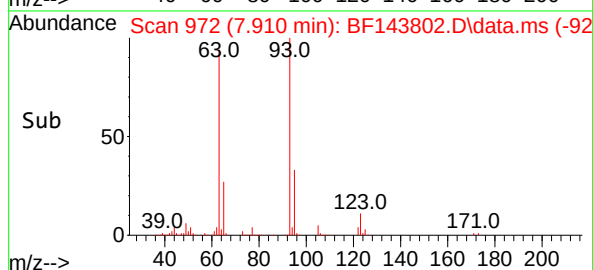
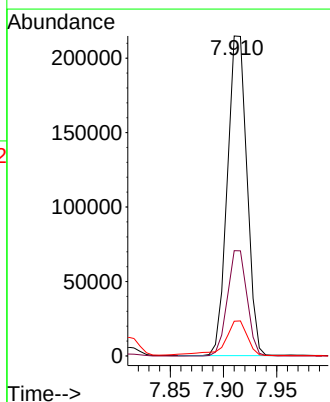
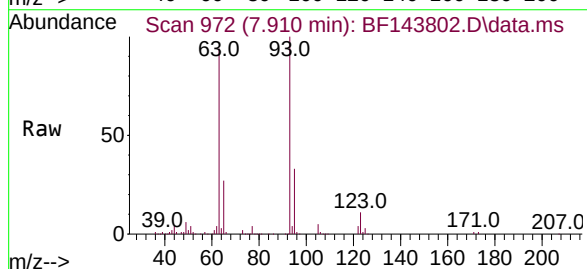
APPROVED

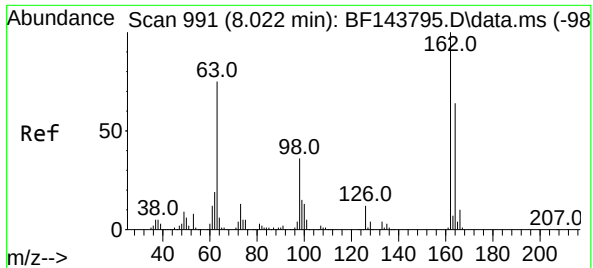
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#28
bis(2-Chloroethoxy)methane
Concen: 38.157 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Tgt Ion: 93 Resp: 274539
Ion Ratio Lower Upper
93 100
95 32.9 25.8 38.8
123 10.8 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 40.090 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 195253

Ion Ratio Lower Upper

162 100

164 63.7 44.1 84.1

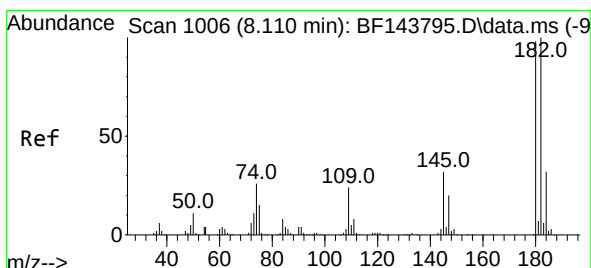
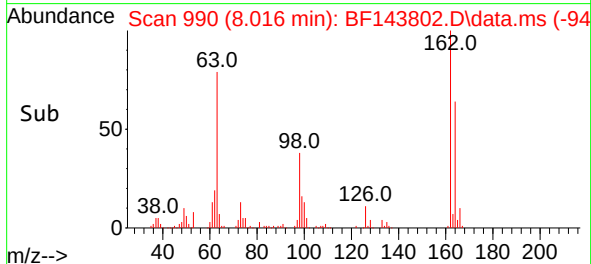
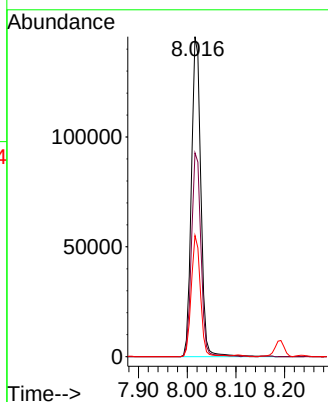
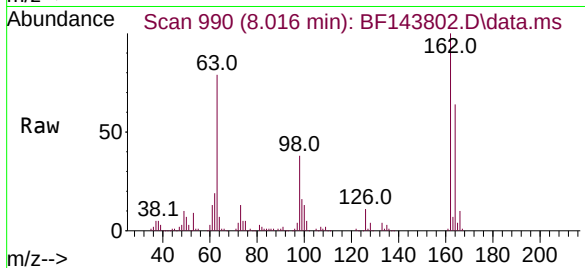
98 37.8 15.8 55.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#30

1,2,4-Trichlorobenzene

Concen: 41.644 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

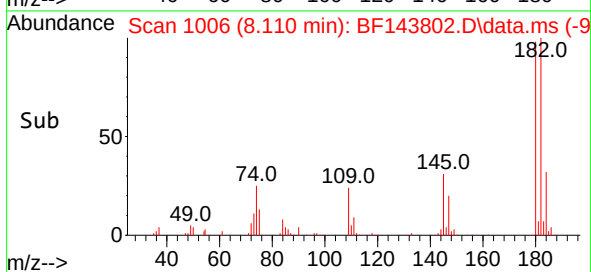
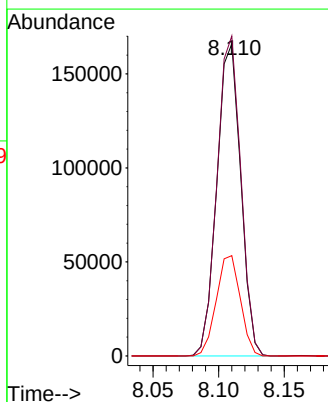
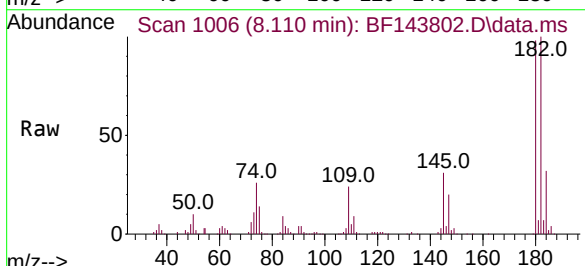
Tgt Ion:180 Resp: 210489

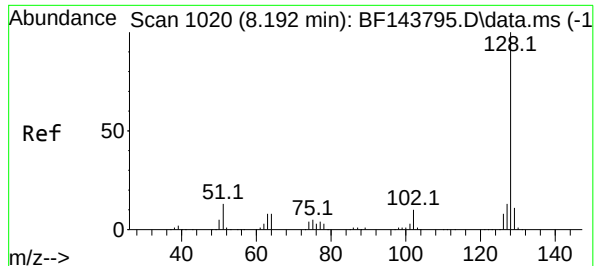
Ion Ratio Lower Upper

180 100

182 102.5 82.0 123.0

145 32.1 25.9 38.9





#31

Naphthalene

Concen: 40.984 ng

RT: 8.192 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BF143802.D

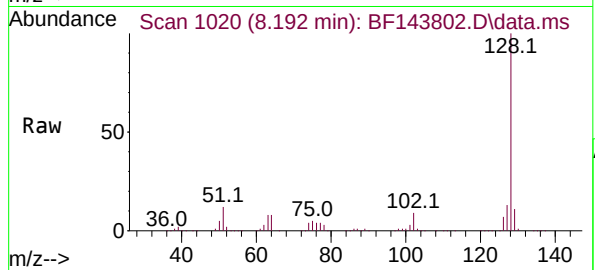
Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:128 Resp: 682488

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

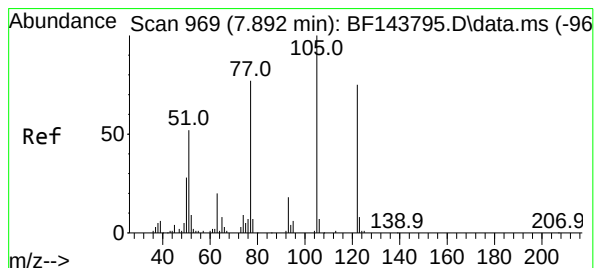
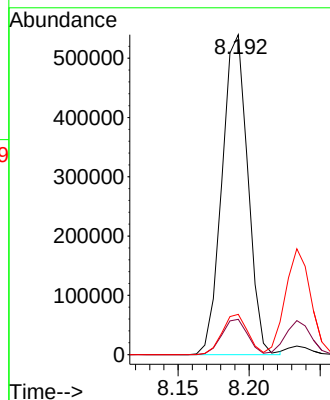
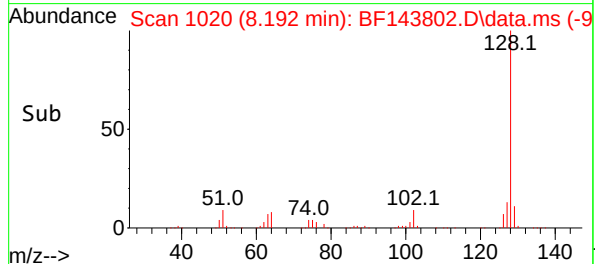
127 12.6 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#32

Benzoic acid

Concen: 31.632 ng

RT: 7.886 min Scan# 968

Delta R.T. -0.035 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

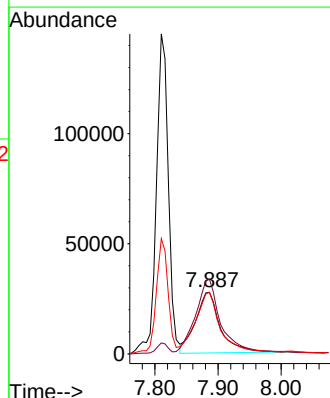
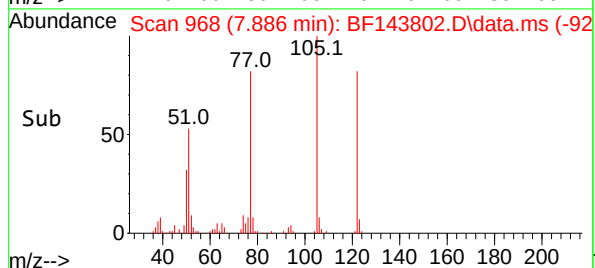
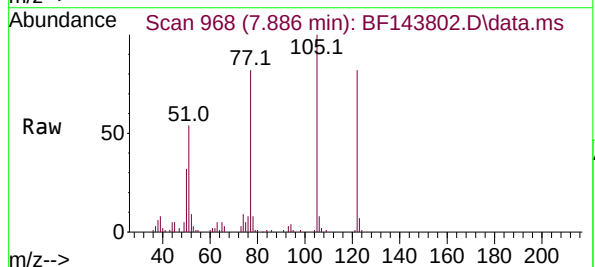
Tgt Ion:122 Resp: 75542

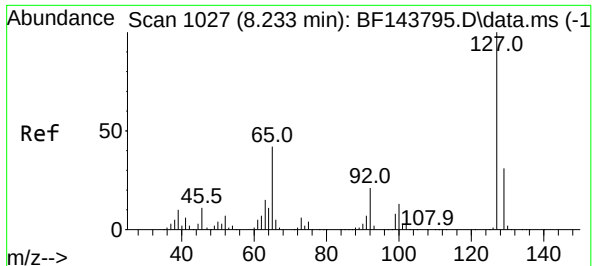
Ion Ratio Lower Upper

122 100

105 121.2 103.7 143.7

77 99.9 78.8 118.8





#33

4-Chloroaniline

Concen: 38.630 ng

RT: 8.234 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 226064

Ion Ratio Lower Upper

127 100

129 32.1 25.4 38.2

65 41.6 33.4 50.2

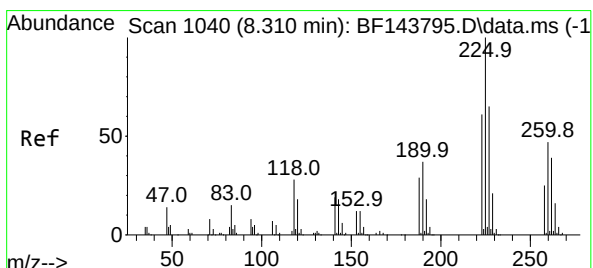
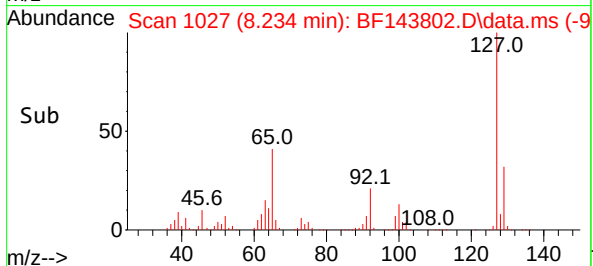
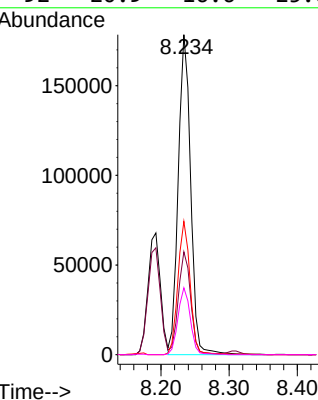
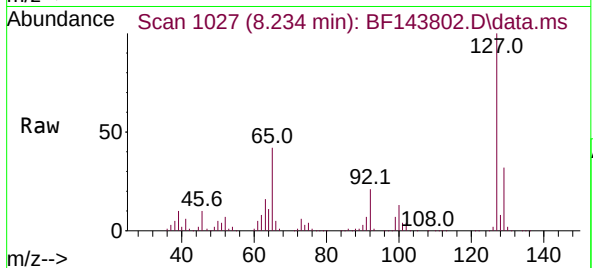
92 20.9 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#34

Hexachlorobutadiene

Concen: 41.718 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

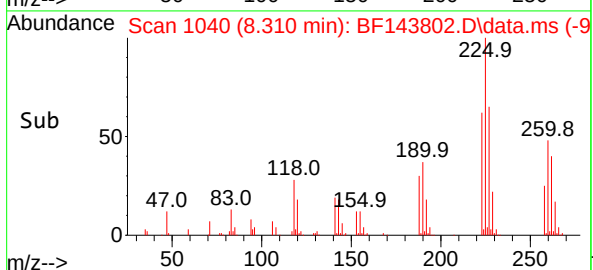
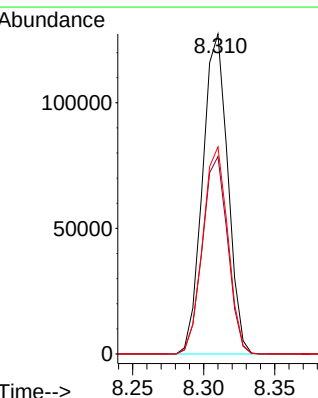
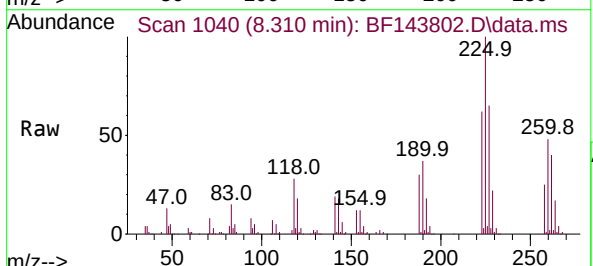
Tgt Ion:225 Resp: 157190

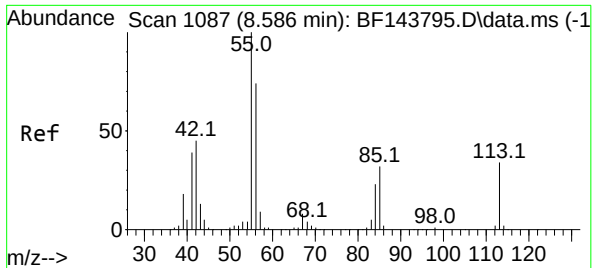
Ion Ratio Lower Upper

225 100

223 61.7 48.6 72.8

227 64.7 51.9 77.9





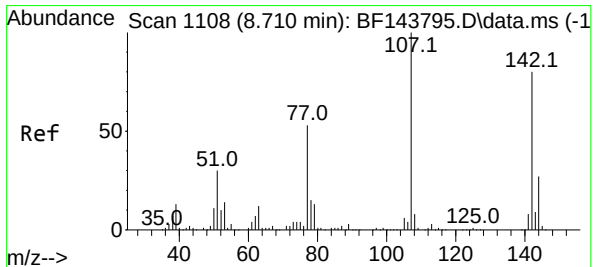
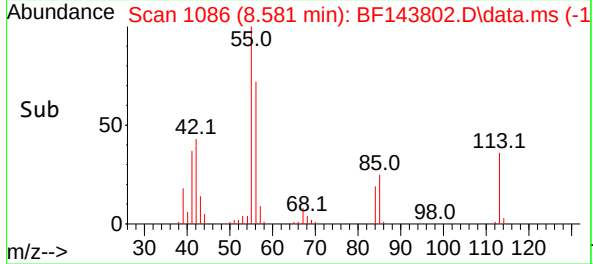
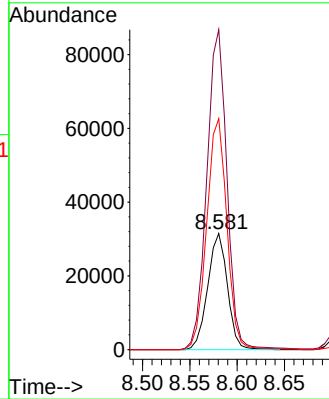
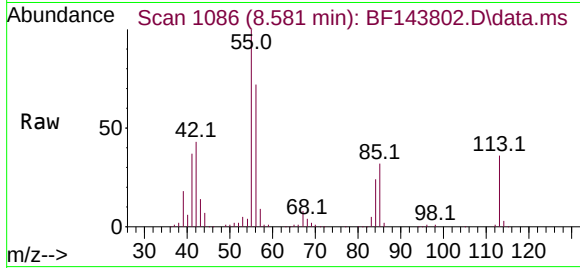
#35
 Caprolactam
 Concen: 36.642 ng
 RT: 8.581 min Scan# 1086
 Delta R.T. -0.029 min
 Lab File: BF143802.D
 Acq: 25 Sep 2025 13:06

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion:113 Resp: 45615
 Ion Ratio Lower Upper
 113 100
 55 275.7 271.7 311.7
 56 199.0 194.5 234.5

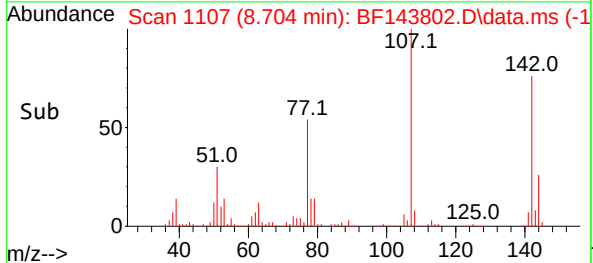
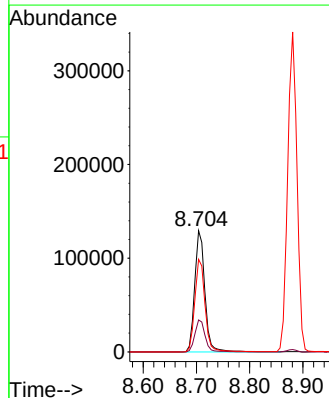
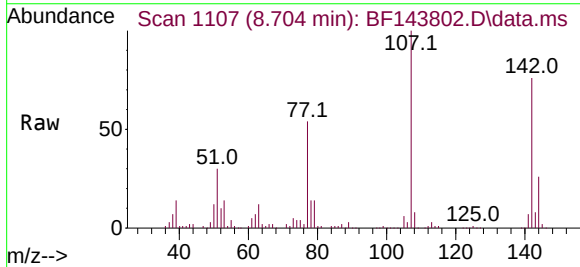
Manual Integrations
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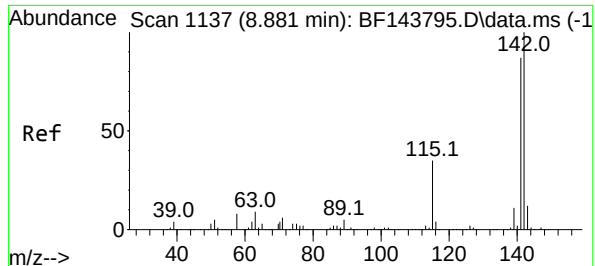
Reviewed By :Rahul Chavli 09/26/2025
 Supervised By :Jagrut Upadhyay 09/26/2025



#36
 4-Chloro-3-methylphenol
 Concen: 37.652 ng
 RT: 8.704 min Scan# 1107
 Delta R.T. -0.006 min
 Lab File: BF143802.D
 Acq: 25 Sep 2025 13:06

Tgt Ion:107 Resp: 171987
 Ion Ratio Lower Upper
 107 100
 144 26.4 21.8 32.8
 142 76.5 63.6 95.4





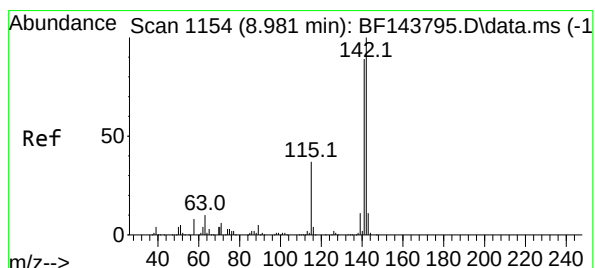
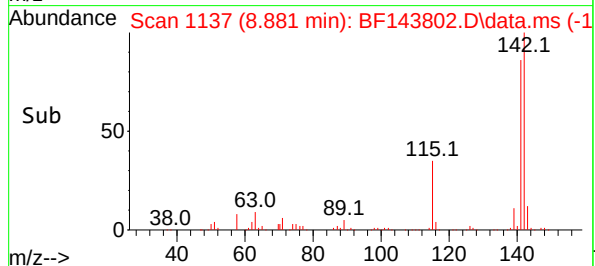
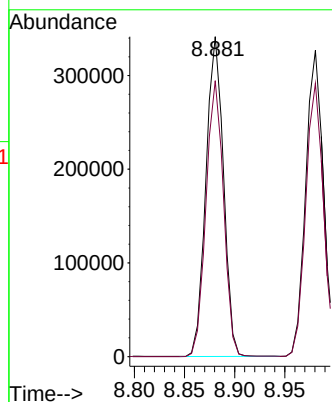
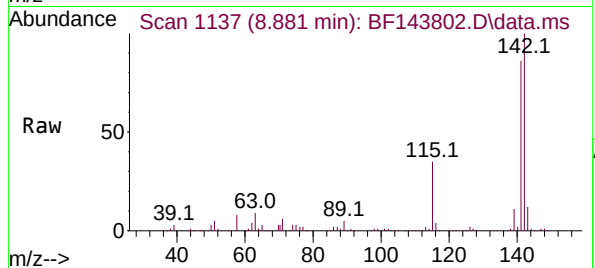
#37
2-Methylnaphthalene
Concen: 38.990 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 414017
Ion Ratio Lower Upper
142 100
141 86.2 69.4 104.0

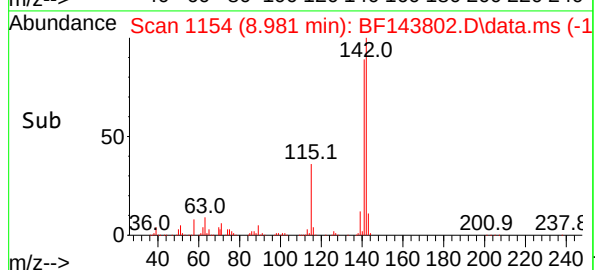
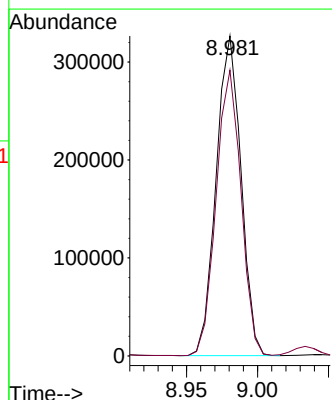
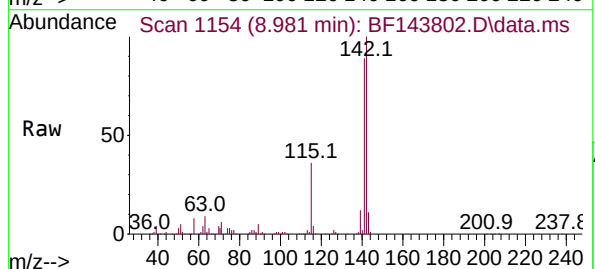
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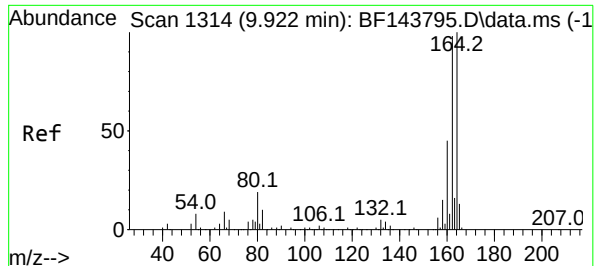
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#38
1-Methylnaphthalene
Concen: 39.098 ng
RT: 8.981 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Tgt Ion:142 Resp: 397377
Ion Ratio Lower Upper
142 100
141 89.3 71.1 106.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF143802.D

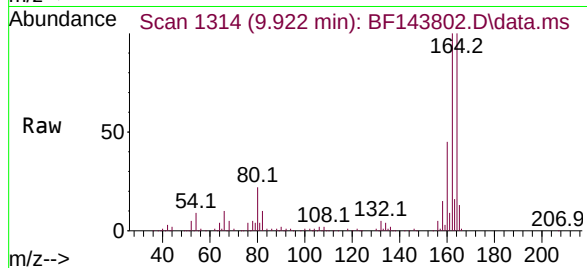
Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 153714

Ion Ratio Lower Upper

164 100

162 100.0 78.8 118.2

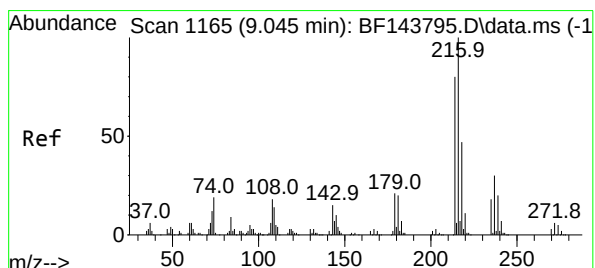
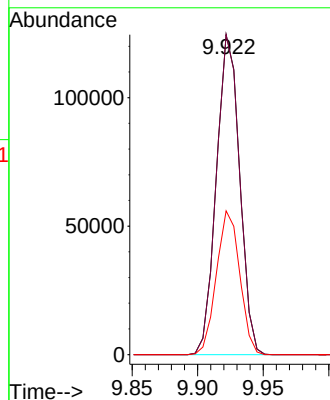
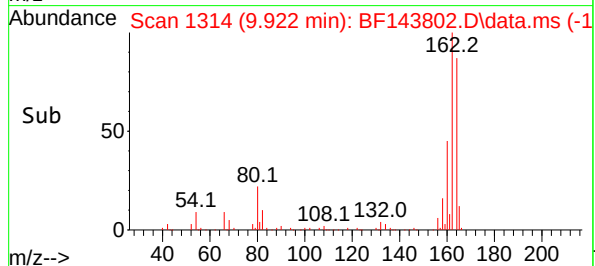
160 44.9 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#40

1,2,4,5-Tetrachlorobenzene

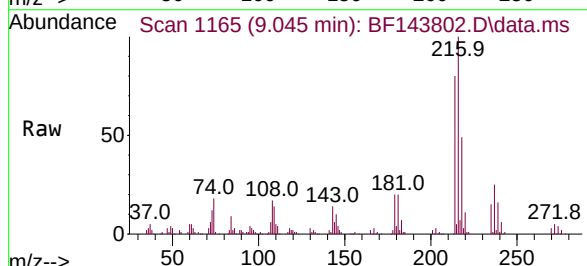
Concen: 43.382 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06



Tgt Ion:216 Resp: 201243

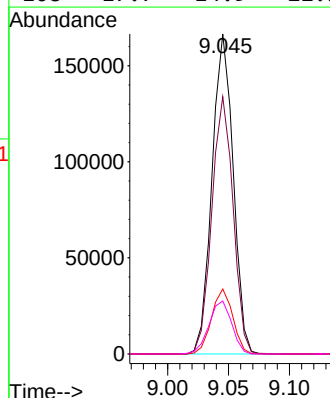
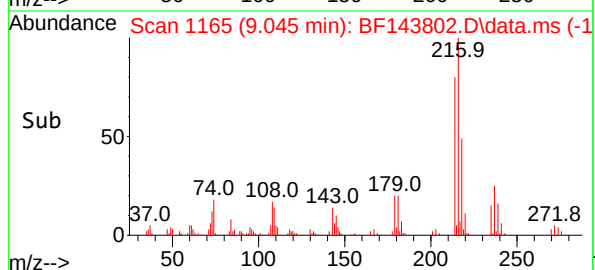
Ion Ratio Lower Upper

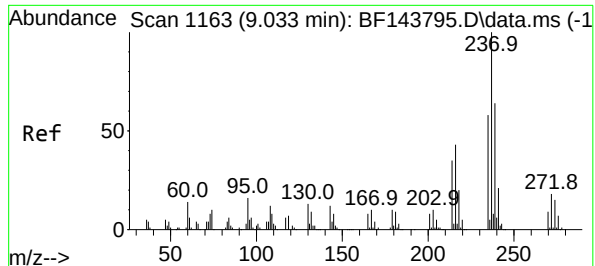
216 100

214 80.6 63.7 95.5

179 20.3 16.5 24.7

108 17.7 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 42.650 ng

RT: 9.033 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 125390

Ion Ratio Lower Upper

237 100

235 58.6 38.1 78.1

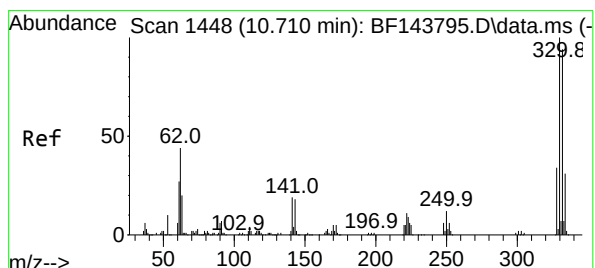
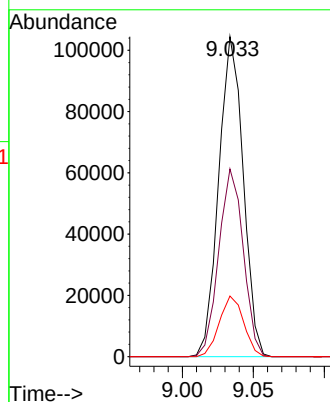
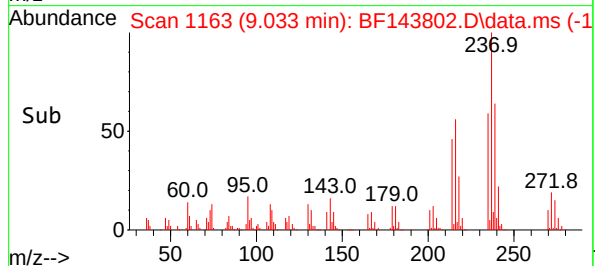
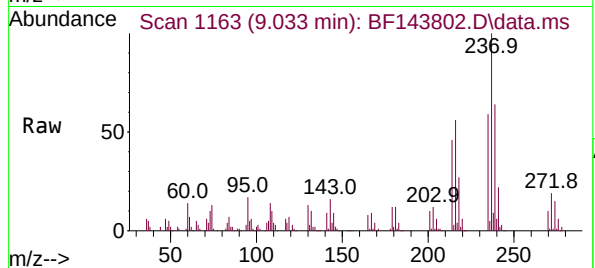
272 18.9 0.0 37.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#42

2,4,6-Tribromophenol

Concen: 87.487 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

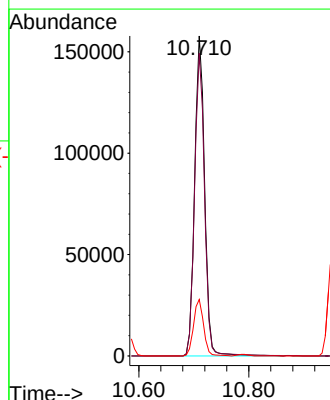
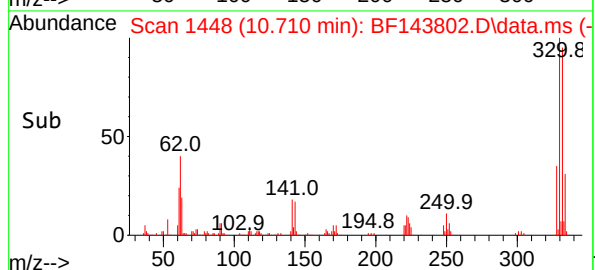
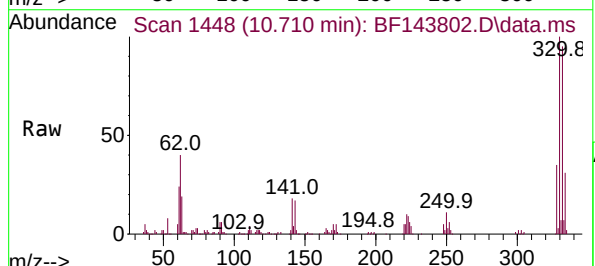
Tgt Ion:330 Resp: 199120

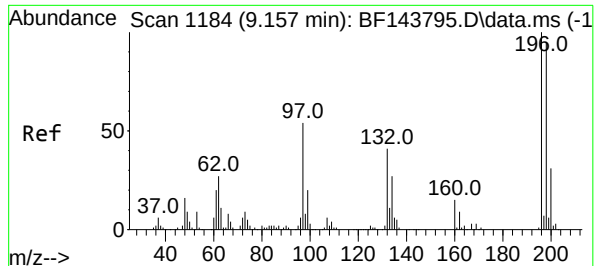
Ion Ratio Lower Upper

330 100

332 94.9 74.7 112.1

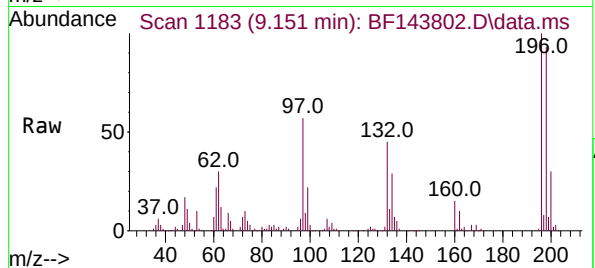
141 17.7 14.3 21.5





#43
2,4,6-Trichlorophenol
Concen: 44.230 ng
RT: 9.151 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

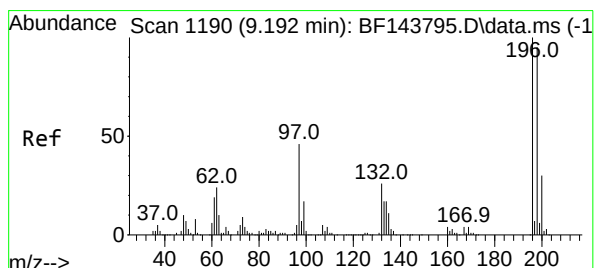
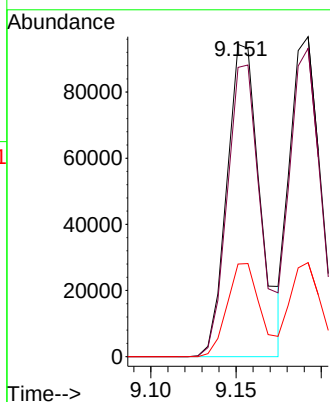
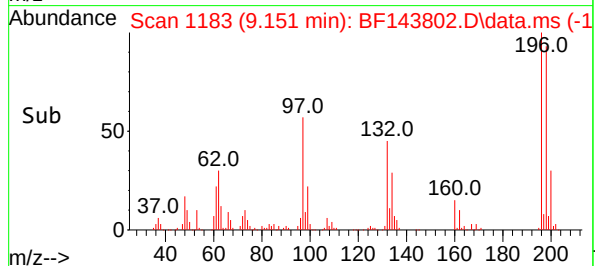
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:196 Resp: 128472
Ion Ratio Lower Upper
196 100
198 92.6 76.2 114.2
200 29.6 24.7 37.1

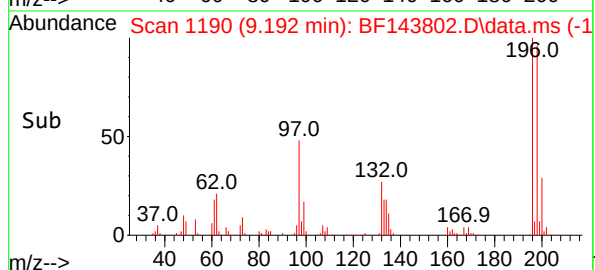
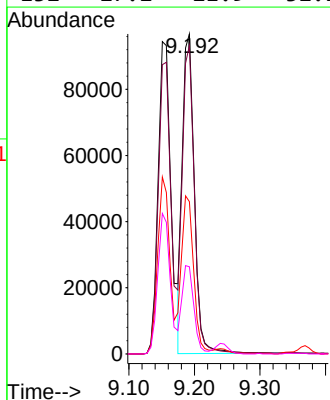
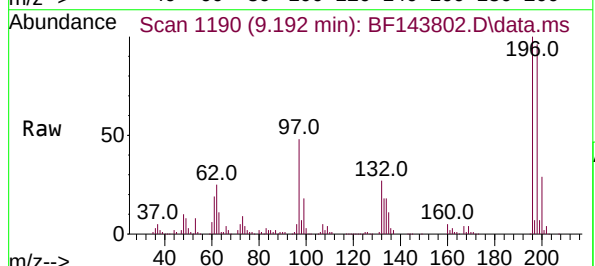
Manual Integrations
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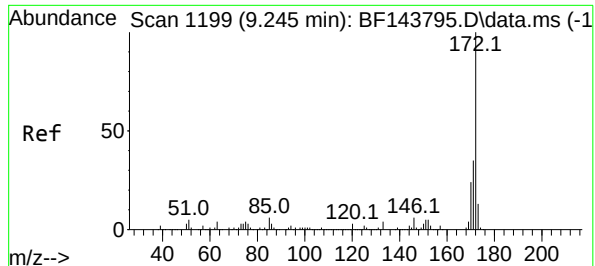
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#44
2,4,5-Trichlorophenol
Concen: 40.809 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Tgt Ion:196 Resp: 123986
Ion Ratio Lower Upper
196 100
198 96.3 75.9 113.9
97 47.6 38.3 57.5
132 27.2 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 86.957 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 856559

Ion Ratio Lower Upper

172 100

171 34.8 27.9 41.9

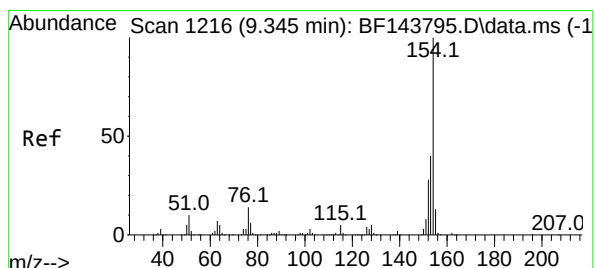
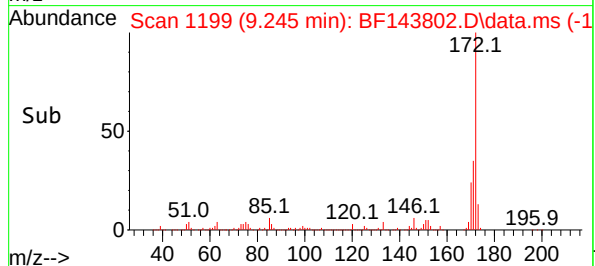
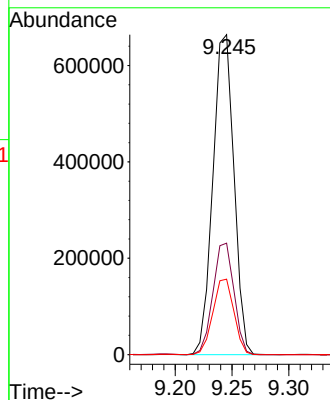
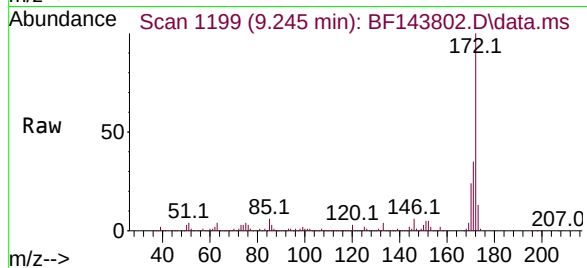
170 23.6 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#46

1,1'-Biphenyl

Concen: 42.097 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

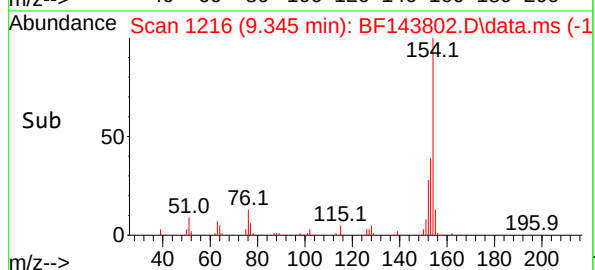
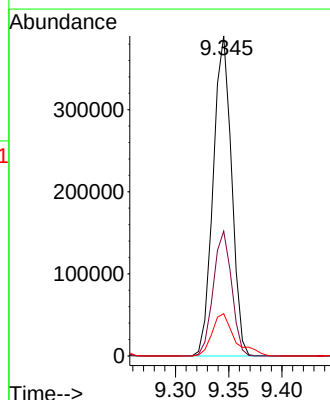
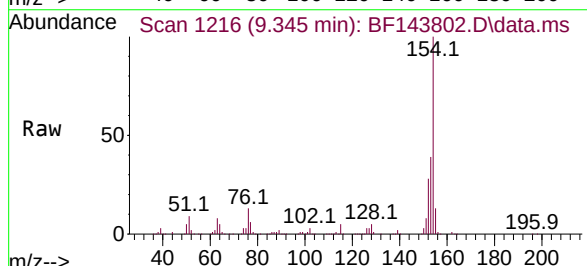
Tgt Ion:154 Resp: 468412

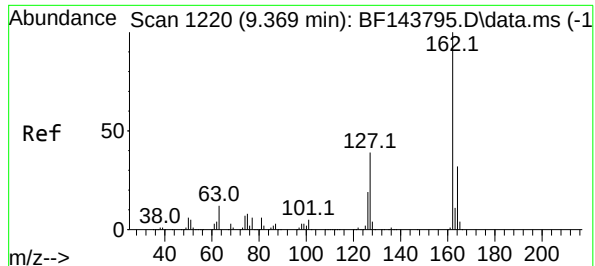
Ion Ratio Lower Upper

154 100

153 39.0 19.7 59.7

76 13.2 0.0 33.8





#47

2-Chloronaphthalene

Concen: 42.329 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 379129

Ion Ratio Lower Upper

162 100

127 39.7 31.5 47.3

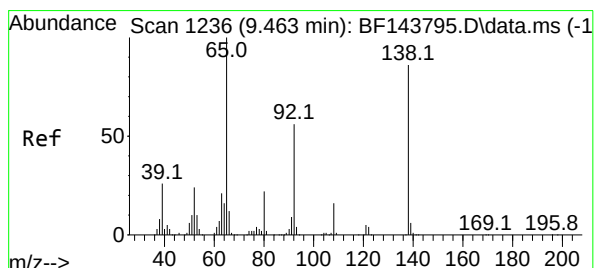
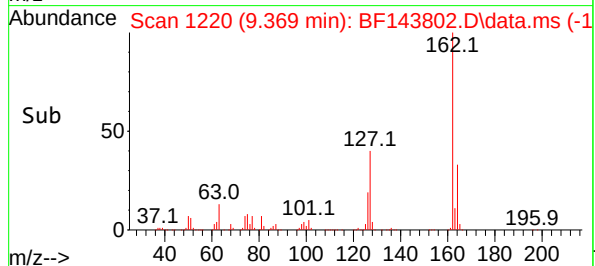
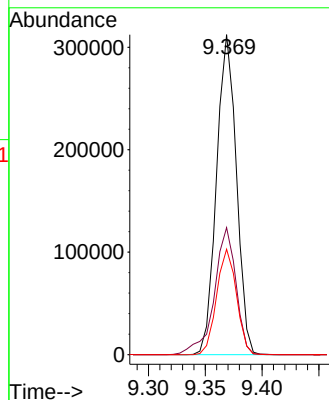
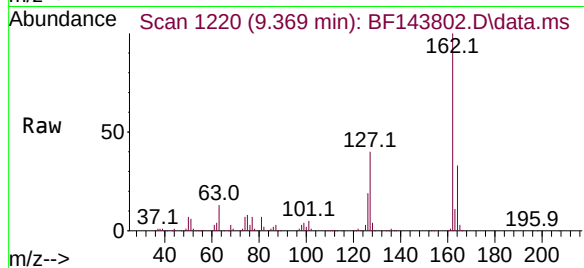
164 32.9 25.9 38.9

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#48

2-Nitroaniline

Concen: 43.977 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

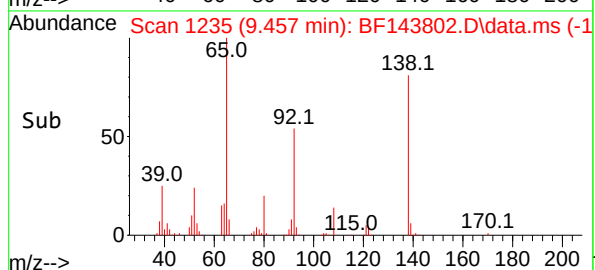
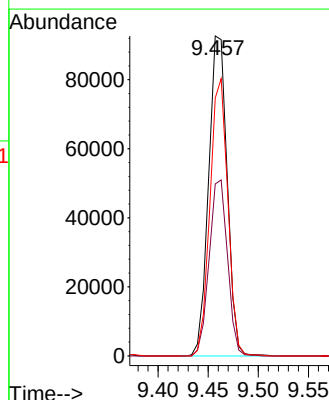
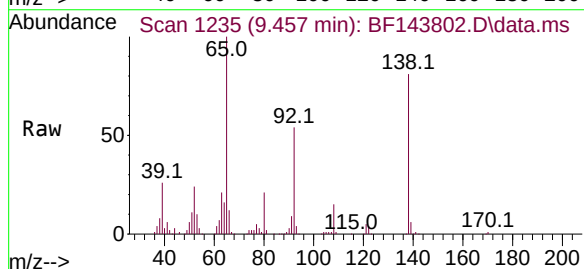
Tgt Ion: 65 Resp: 119048

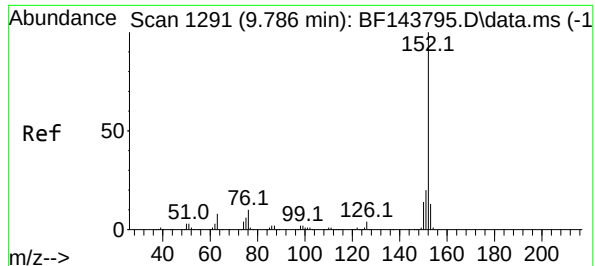
Ion Ratio Lower Upper

65 100

92 53.7 44.9 67.3

138 80.6 69.0 103.4





#49

Acenaphthylene

Concen: 41.866 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 516213

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

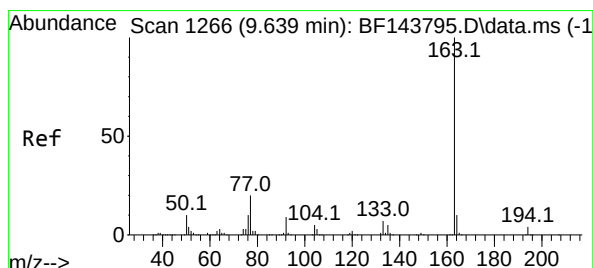
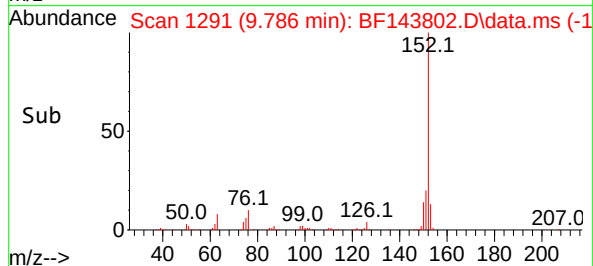
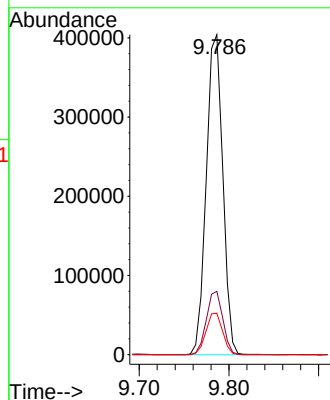
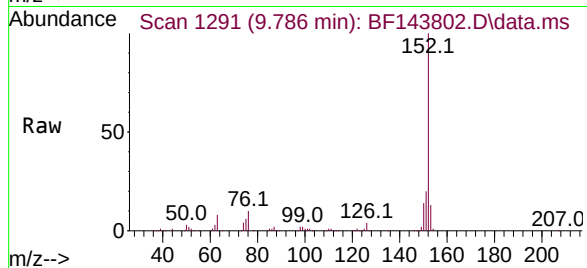
153 12.9 10.6 15.8

Manual Integrations

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#50

Dimethylphthalate

Concen: 40.564 ng

RT: 9.639 min Scan# 1266

Delta R.T. 0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

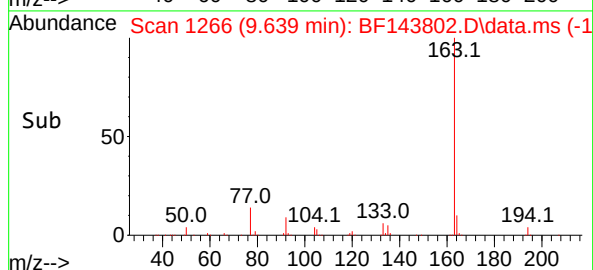
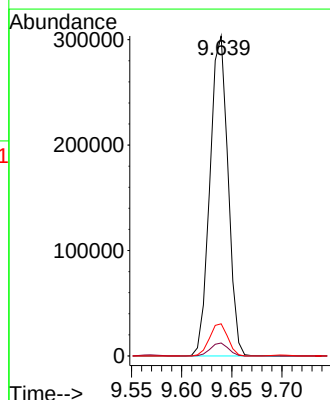
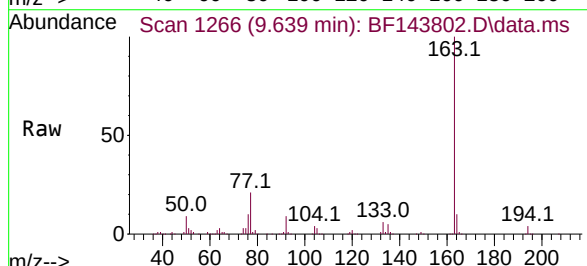
Tgt Ion:163 Resp: 380041

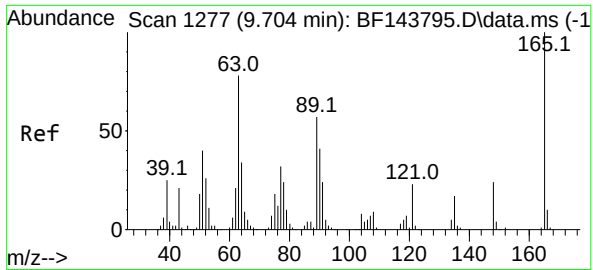
Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

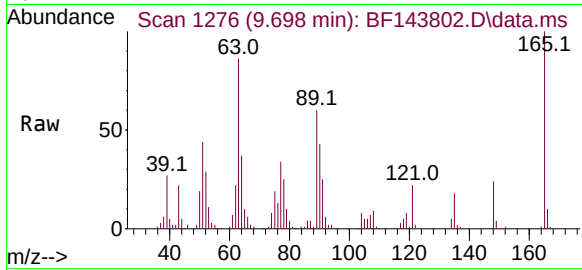
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 43.168 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

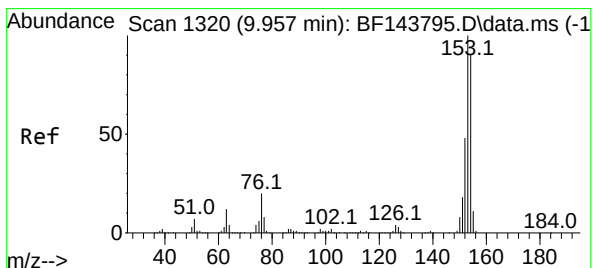
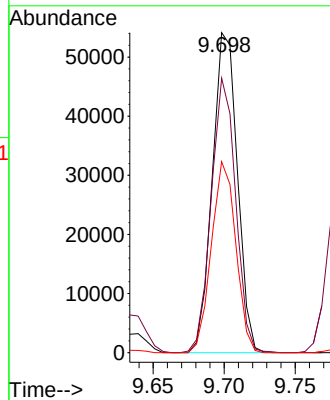
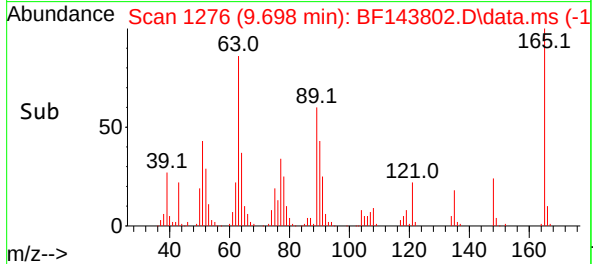
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 66448
Ion Ratio Lower Upper
165 100
63 85.8 62.6 94.0
89 59.7 45.2 67.8

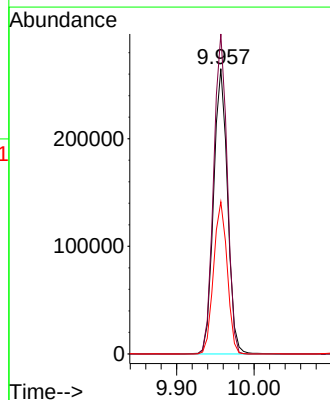
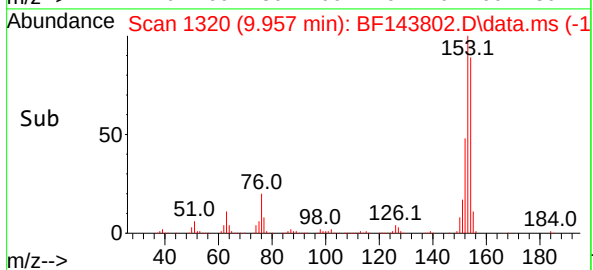
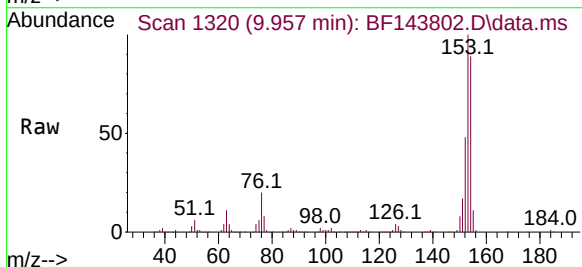
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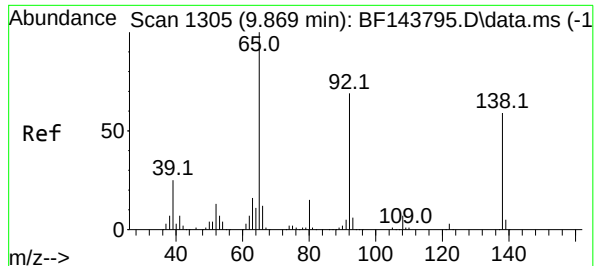
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#52
Acenaphthene
Concen: 40.912 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Tgt Ion:154 Resp: 331958
Ion Ratio Lower Upper
154 100
153 112.2 88.7 133.1
152 53.3 42.7 64.1





#53

3-Nitroaniline

Concen: 44.387 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 82818

Ion Ratio Lower Upper

138 100

108 12.1 9.9 14.9

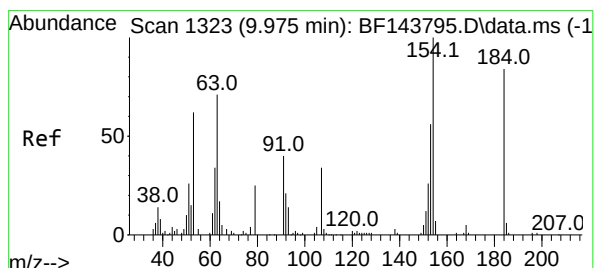
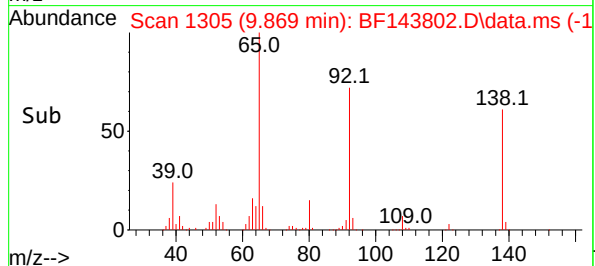
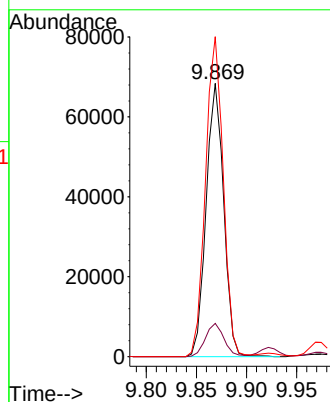
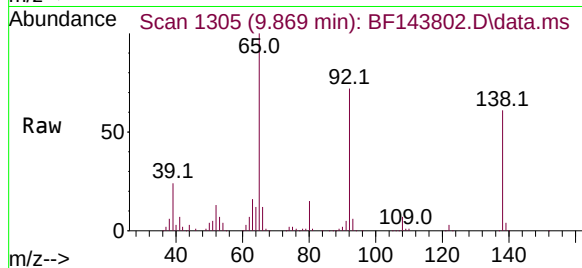
92 117.1 93.5 140.3

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#54

2,4-Dinitrophenol

Concen: 37.264 ng

RT: 9.975 min Scan# 1323

Delta R.T. -0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

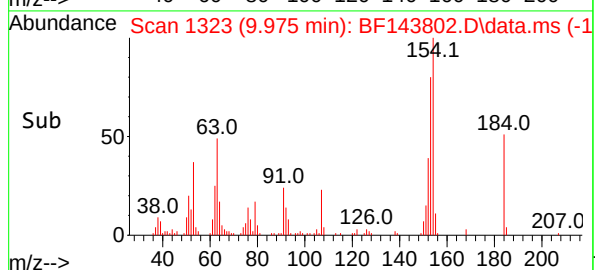
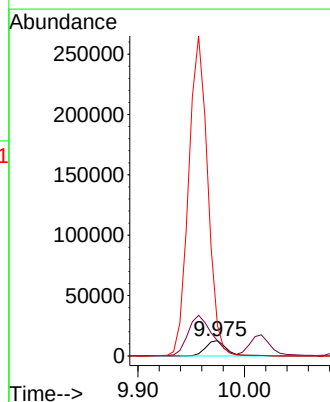
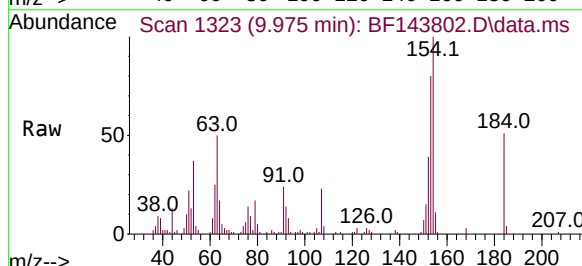
Tgt Ion:184 Resp: 16803

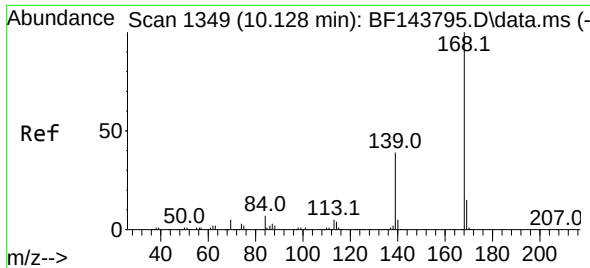
Ion Ratio Lower Upper

184 100

63 97.7 84.6 127.0

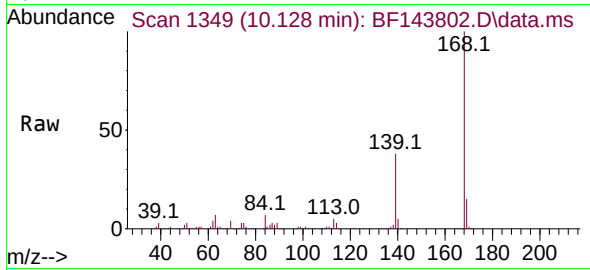
154 197.4 199.3 298.9#





#55
Dibenzenofuran
Concen: 41.881 ng
RT: 10.128 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

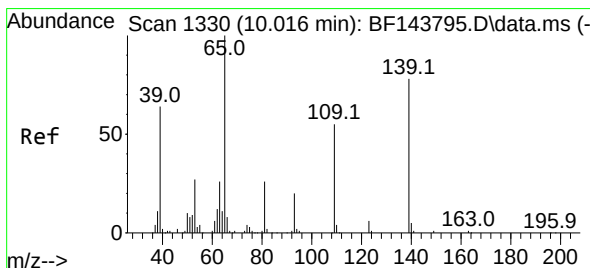
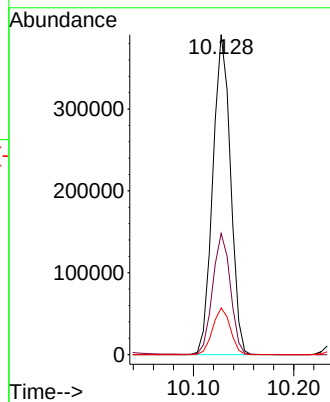
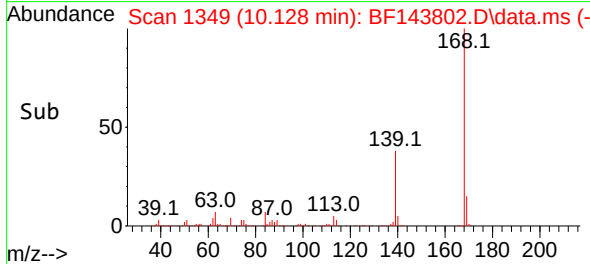
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 480540
Ion Ratio Lower Upper
168 100
139 37.9 31.0 46.6
169 14.6 11.9 17.9

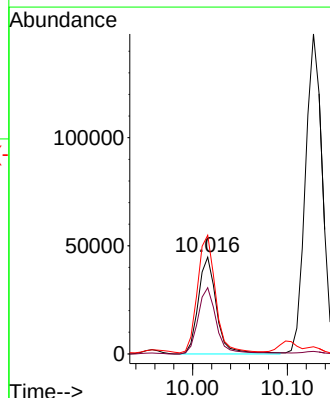
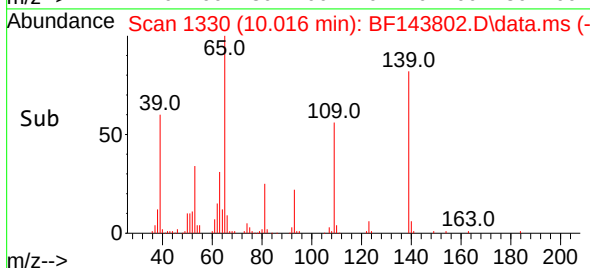
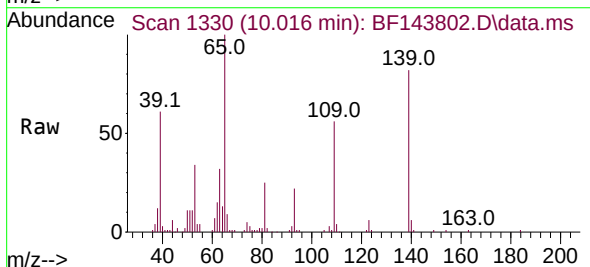
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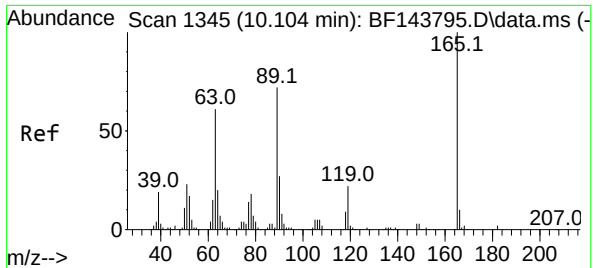
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#56
4-Nitrophenol
Concen: 39.668 ng
RT: 10.016 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Tgt Ion:139 Resp: 59642
Ion Ratio Lower Upper
139 100
109 68.5 50.2 90.2
65 122.6 109.2 149.2





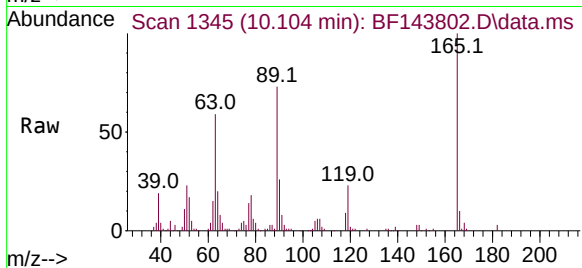
#57
2,4-Dinitrotoluene
Concen: 38.763 ng
RT: 10.104 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

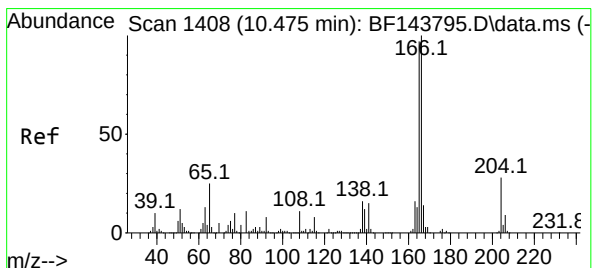
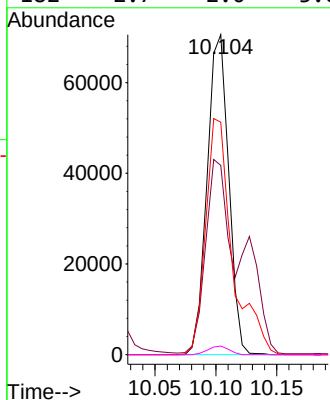
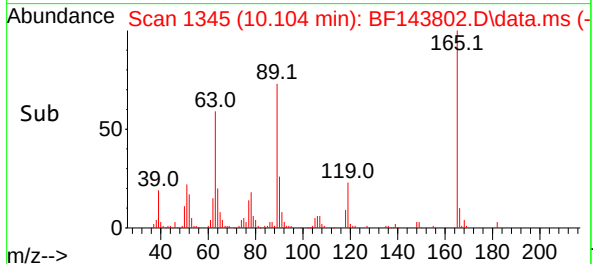


Tgt Ion:165 Resp: 87197
Ion Ratio Lower Upper
165 100
63 59.1 48.9 73.3
89 72.6 57.5 86.3
182 2.7 2.0 3.0

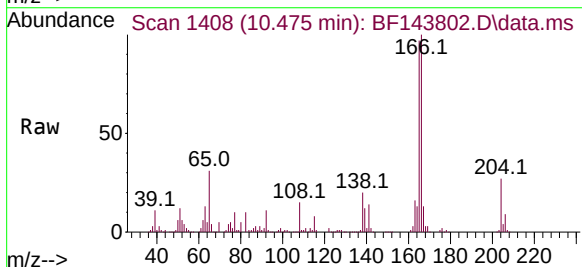
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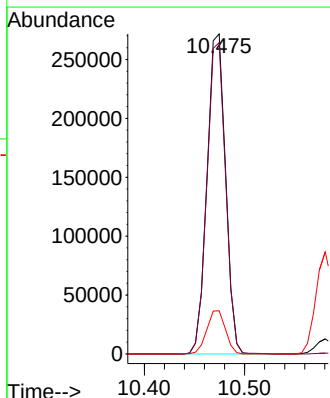
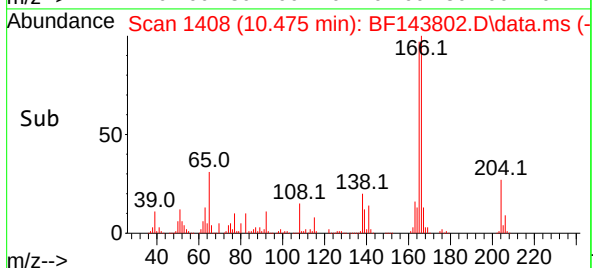
Reviewed By :Rahul Chavli 09/26/2025
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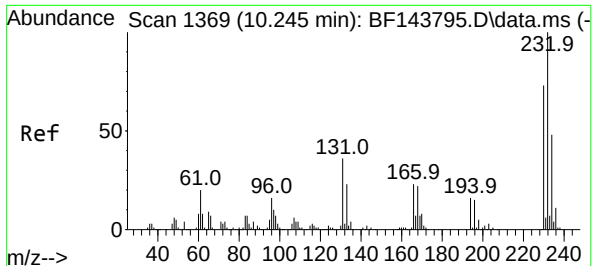


#58
Fluorene
Concen: 40.828 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06



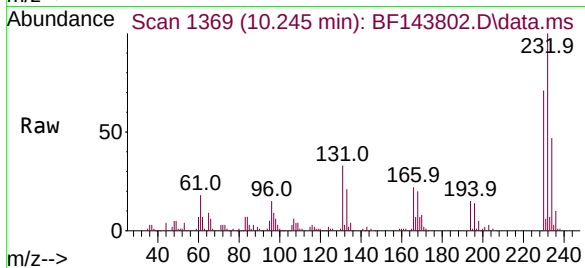
Tgt Ion:166 Resp: 348262
Ion Ratio Lower Upper
166 100
165 97.3 78.0 117.0
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.386 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

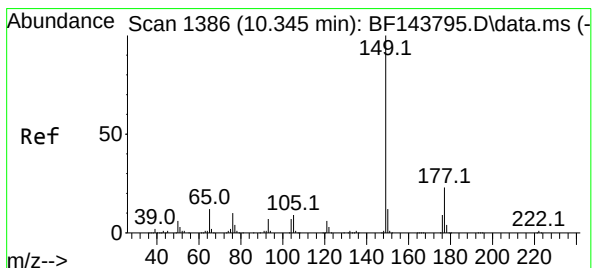
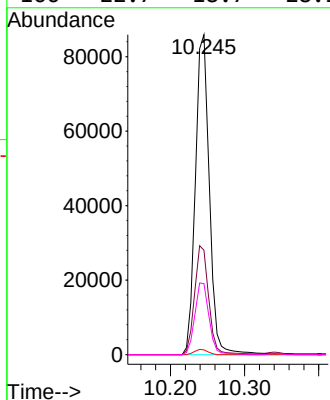
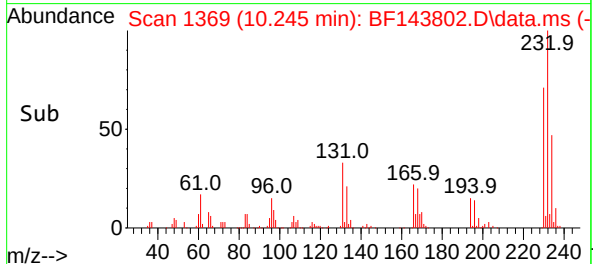
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:232 Resp: 112924
Ion Ratio Lower Upper
232 100
131 34.4 29.4 44.2
130 1.5 1.3 1.9
166 22.7 18.7 28.1

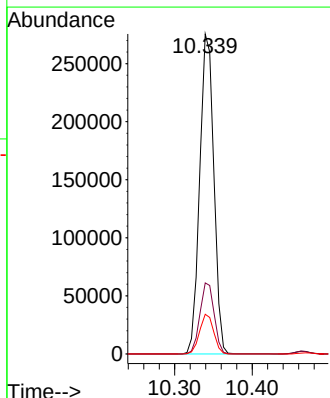
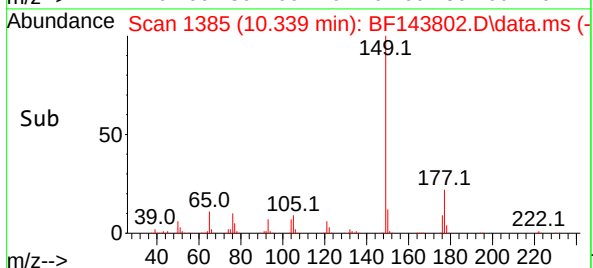
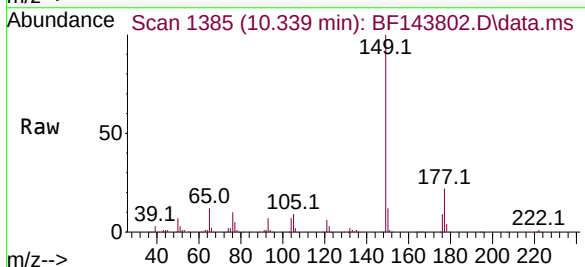
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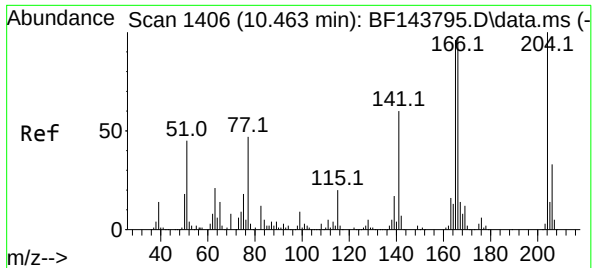
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#60
Diethylphthalate
Concen: 39.778 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

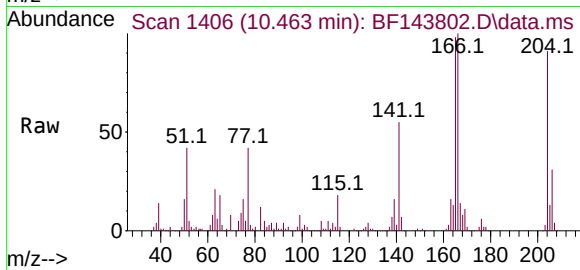
Tgt Ion:149 Resp: 348861
Ion Ratio Lower Upper
149 100
177 22.2 18.1 27.1
150 12.4 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 40.580 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

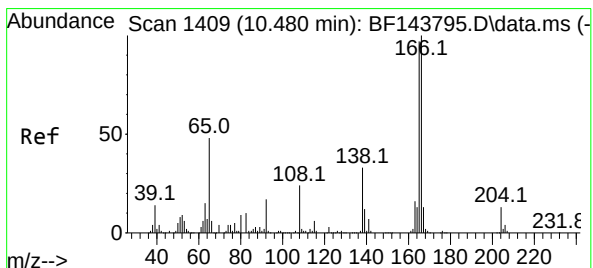
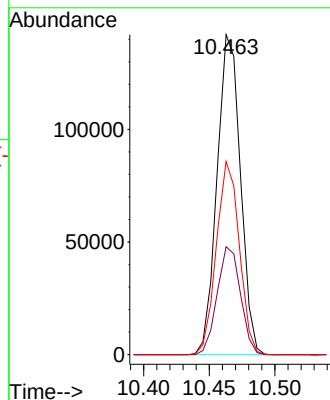
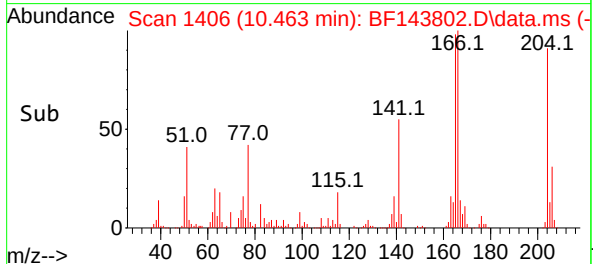
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



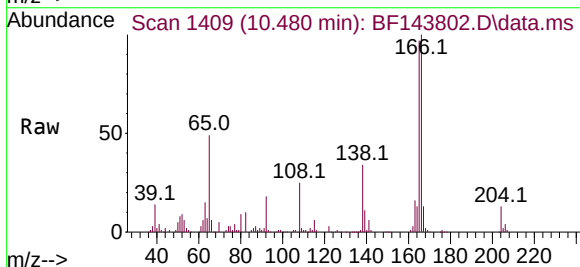
Tgt Ion:204 Resp: 176372
Ion Ratio Lower Upper
204 100
206 33.7 26.7 40.1
141 60.3 48.2 72.2

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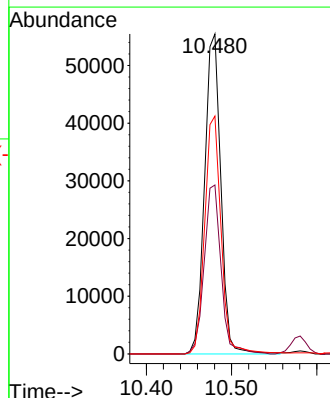
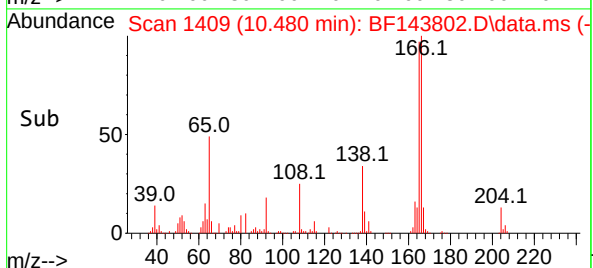
Reviewed By :Rahul Chavli 09/26/2025
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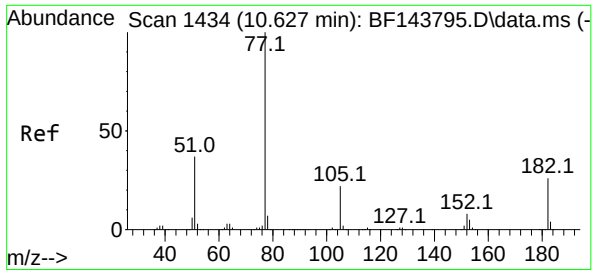


#62
4-Nitroaniline
Concen: 41.725 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06



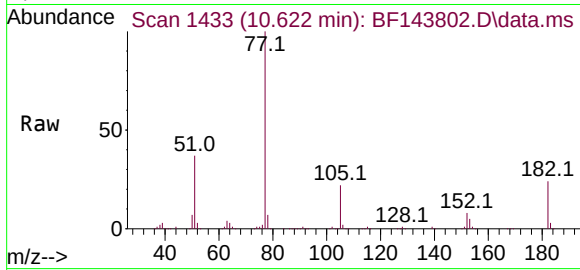
Tgt Ion:138 Resp: 73202
Ion Ratio Lower Upper
138 100
92 52.8 31.5 71.5
108 74.3 51.9 91.9





#63
Azobenzene
Concen: 40.321 ng
RT: 10.622 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

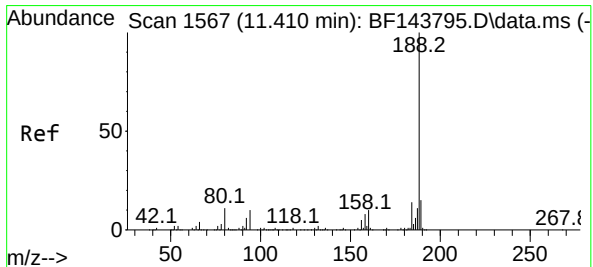
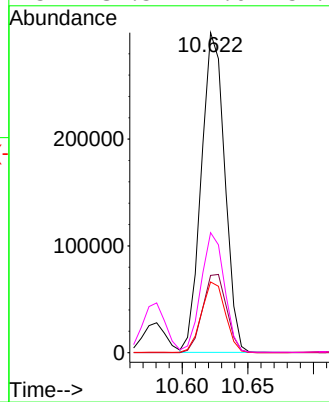
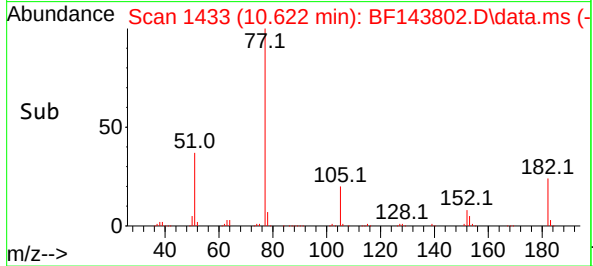
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



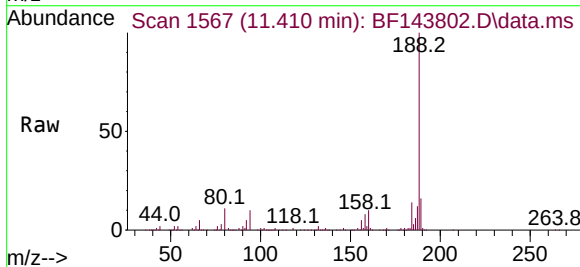
Tgt Ion: 77 Resp: 372680
Ion Ratio Lower Upper
77 100
182 24.1 5.9 45.9
105 22.1 2.3 42.3
51 37.5 17.6 57.6

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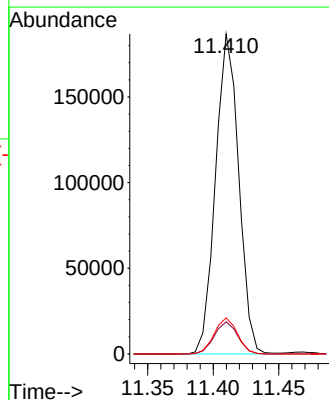
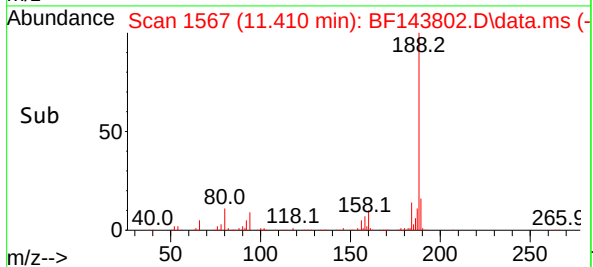
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

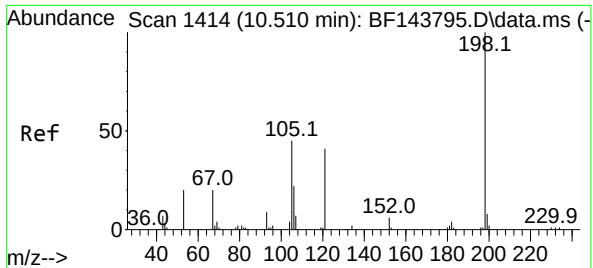


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06



Tgt Ion:188 Resp: 230130
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 11.3 8.6 12.8





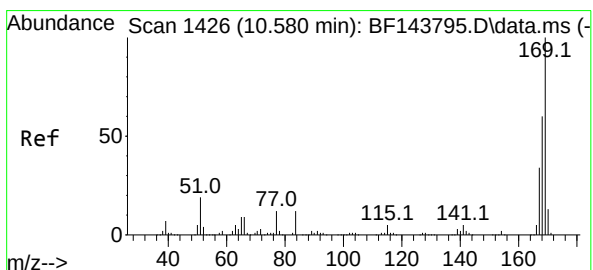
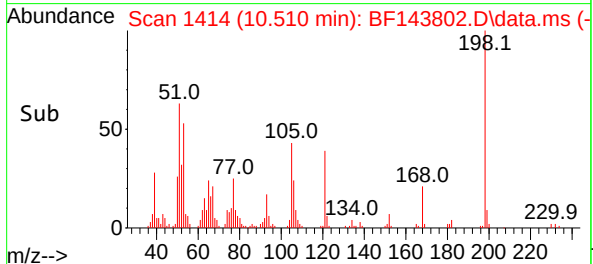
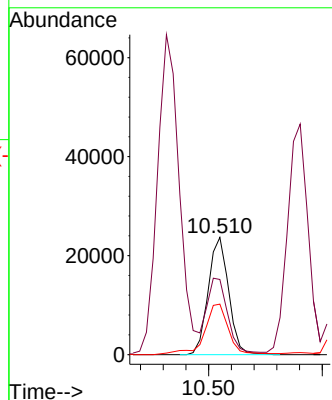
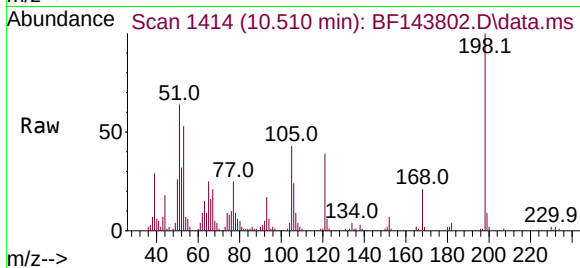
#65
4,6-Dinitro-2-methylphenol
Concen: 37.701 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 29506
Ion Ratio Lower Upper
198 100
51 64.1 52.0 92.0
105 43.1 27.5 67.5

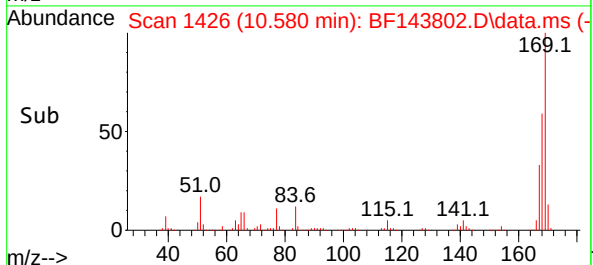
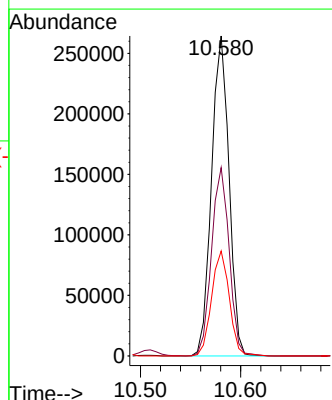
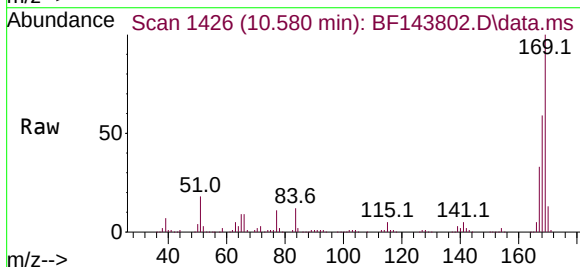
Manual Integrations
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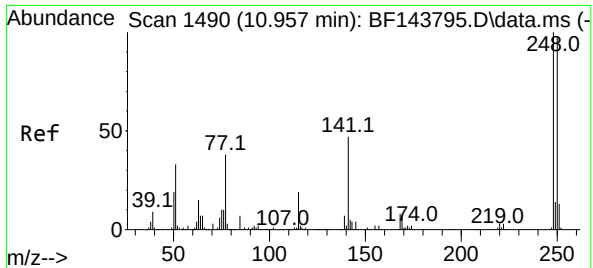
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#66
n-Nitrosodiphenylamine
Concen: 42.280 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

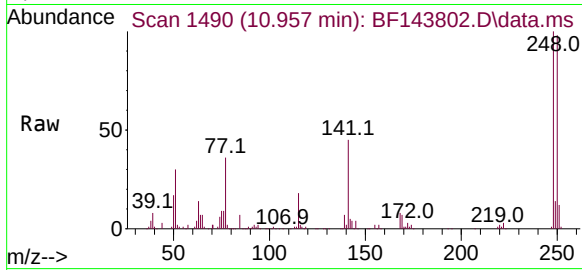
Tgt Ion:169 Resp: 319987
Ion Ratio Lower Upper
169 100
168 58.8 47.9 71.9
167 32.8 27.0 40.6





#67
4-Bromophenyl-phenylether
Concen: 42.519 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

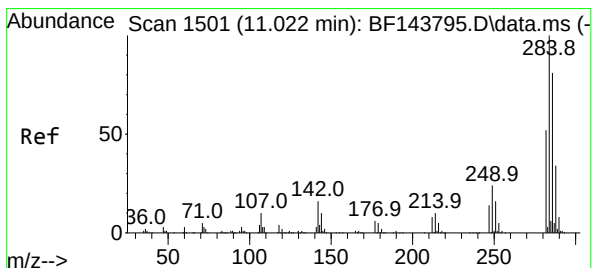
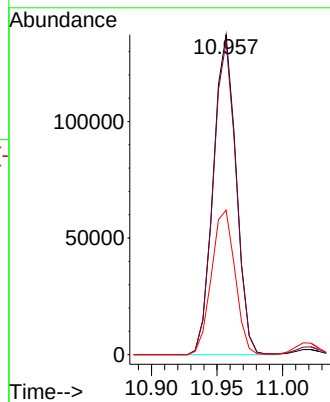
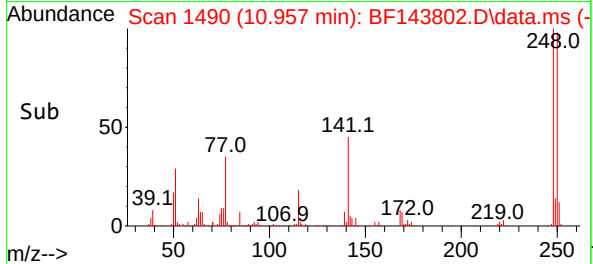
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



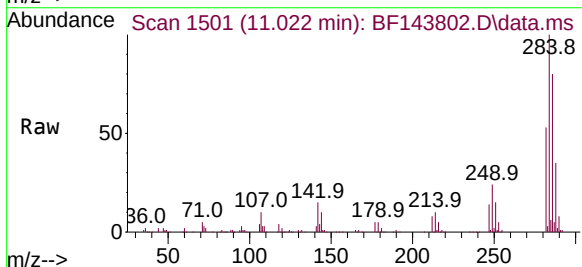
Tgt Ion:248 Resp: 166753
Ion Ratio Lower Upper
248 100
250 97.9 78.7 118.1
141 45.1 37.9 56.9

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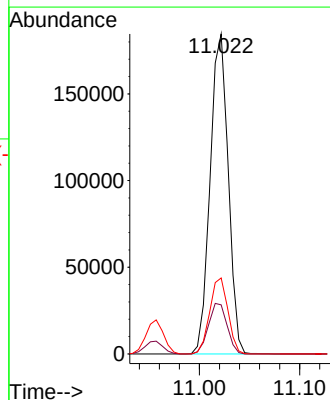
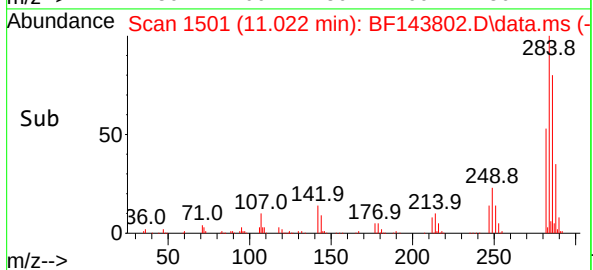
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

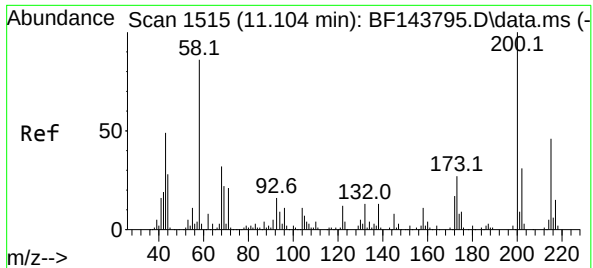


#68
Hexachlorobenzene
Concen: 42.714 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06



Tgt Ion:284 Resp: 230854
Ion Ratio Lower Upper
284 100
142 15.3 13.1 19.7
249 23.7 19.5 29.3





#69

Atrazine

Concen: 41.731 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BF143802.D

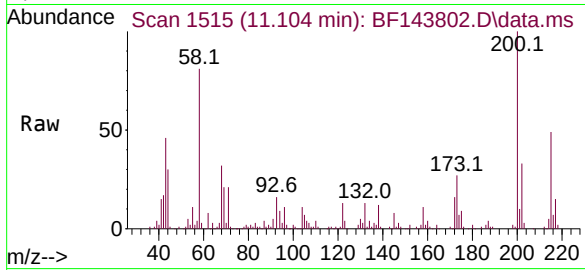
Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



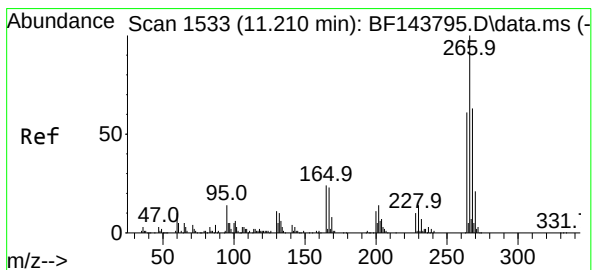
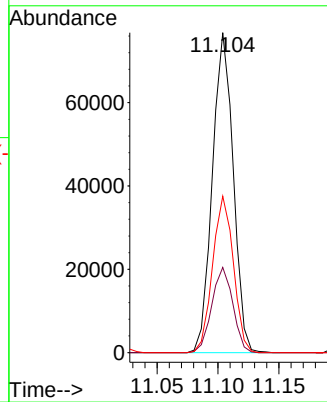
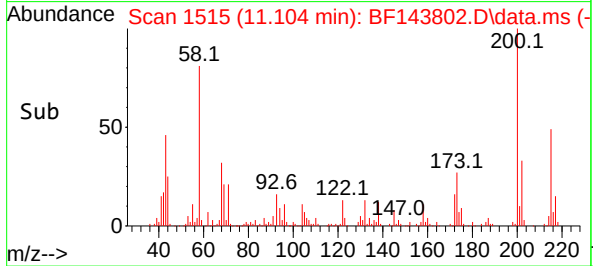
Tgt Ion:200	Resp:	91458
Ion Ratio	Lower	Upper
200	100	
173	26.7	7.2 47.2
215	48.9	26.0 66.0

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#70

Pentachlorophenol

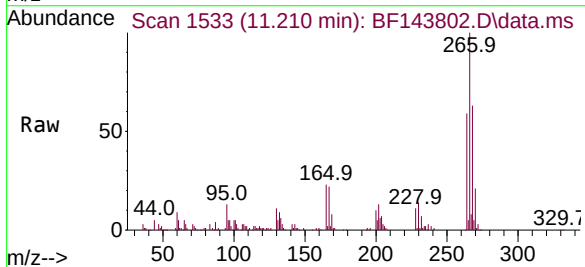
Concen: 42.781 ng

RT: 11.210 min Scan# 1533

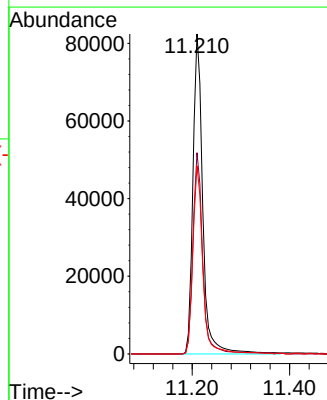
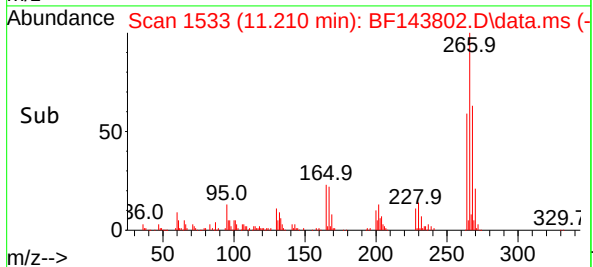
Delta R.T. -0.006 min

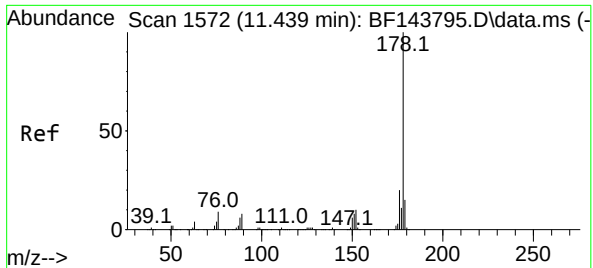
Lab File: BF143802.D

Acq: 25 Sep 2025 13:06



Tgt Ion:266	Resp:	115094
Ion Ratio	Lower	Upper
266	100	
268	62.9	50.5 75.7
264	58.8	48.8 73.2





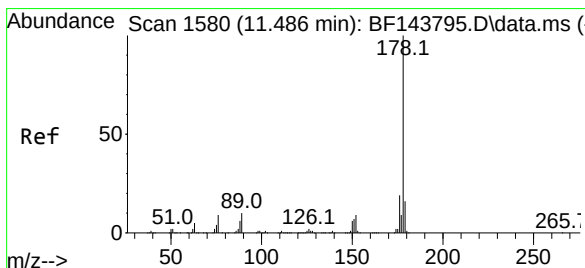
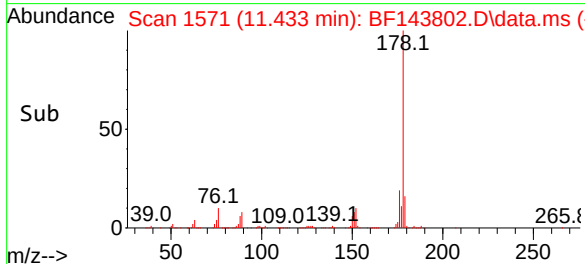
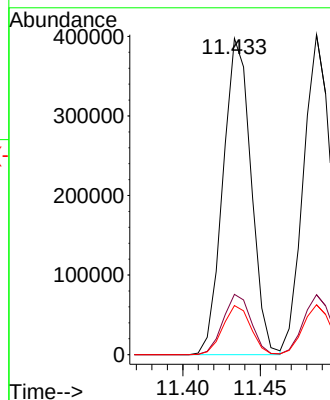
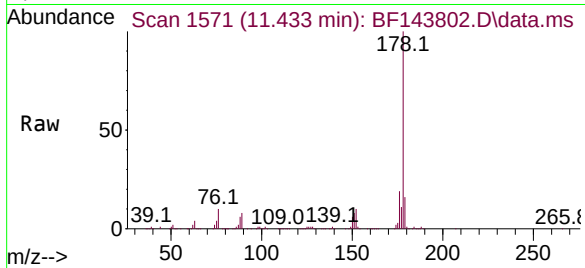
#71
Phenanthrene
Concen: 42.454 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 501591
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.5 12.2 18.4

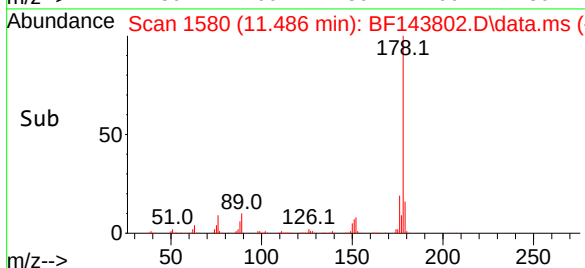
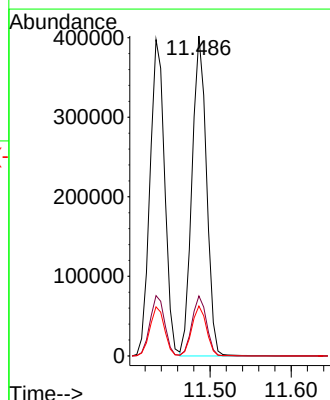
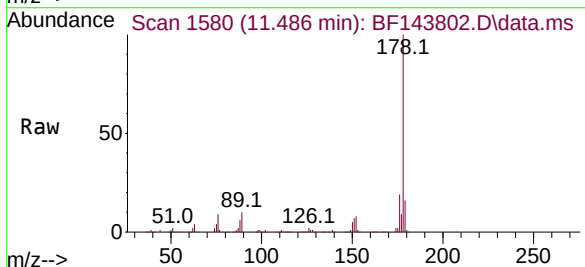
Manual Integrations
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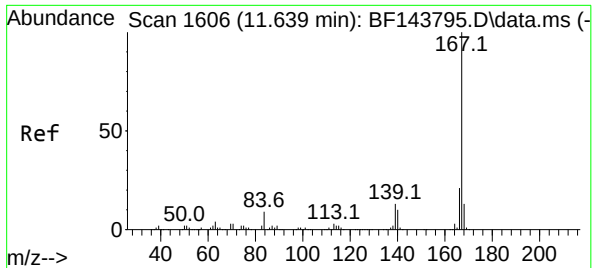
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#72
Anthracene
Concen: 41.988 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

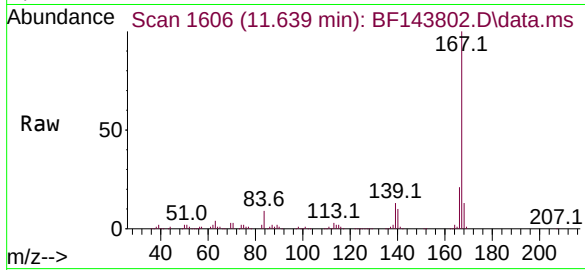
Tgt Ion:178 Resp: 497611
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.6 12.8 19.2





#73
 Carbazole
 Concen: 42.799 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF143802.D
 Acq: 25 Sep 2025 13:06

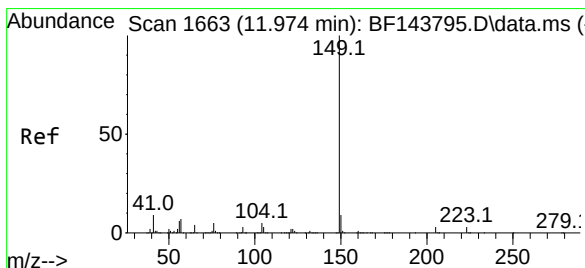
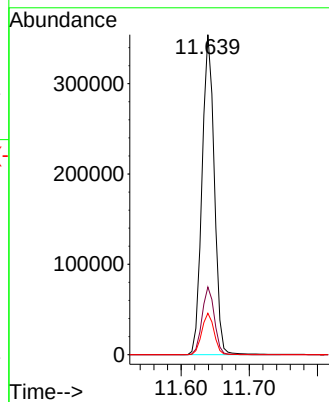
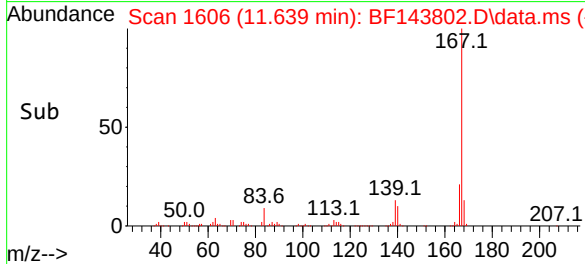
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



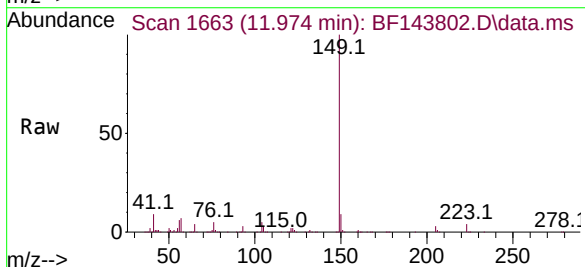
Tgt Ion:167 Resp: 443472
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.4
 139 12.9 10.6 15.8

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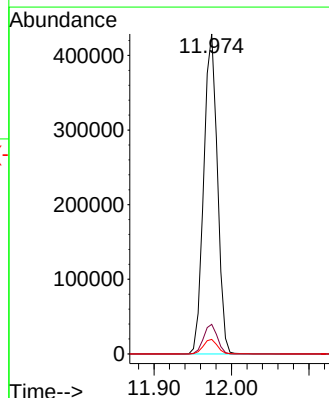
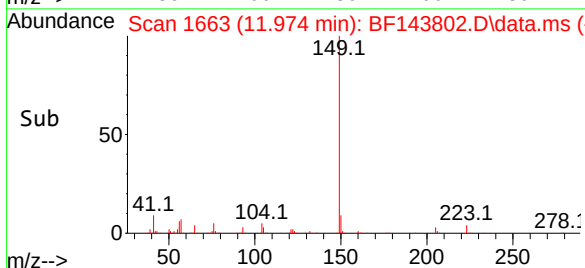
Reviewed By :Rahul Chavli 09/26/2025
 Supervised By :Jagrut Upadhyay 09/26/2025

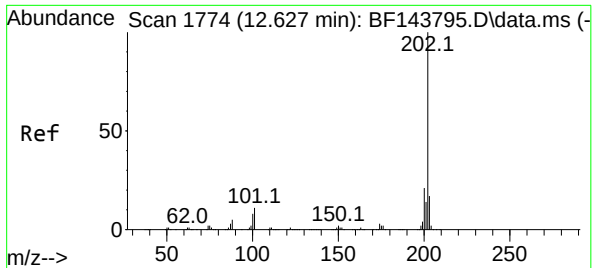


#74
 Di-n-butylphthalate
 Concen: 44.025 ng
 RT: 11.974 min Scan# 1663
 Delta R.T. 0.000 min
 Lab File: BF143802.D
 Acq: 25 Sep 2025 13:06



Tgt Ion:149 Resp: 524645
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 4.5 3.6 5.4





#75

Fluoranthene

Concen: 43.193 ng

RT: 12.627 min Scan# 1774

Delta R.T. 0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:202 Resp: 513260

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.1

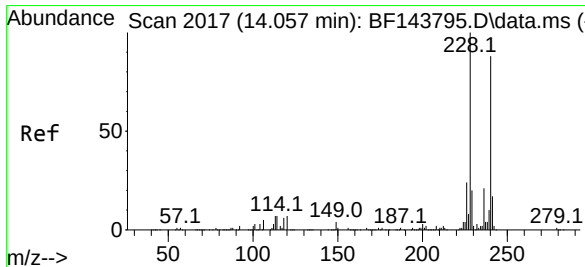
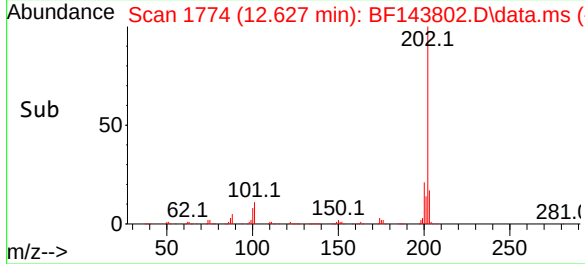
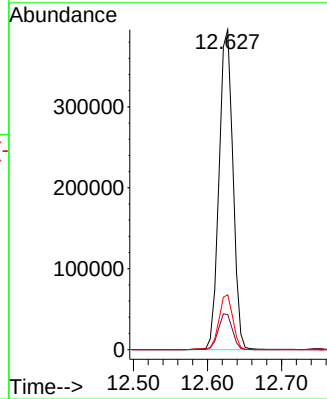
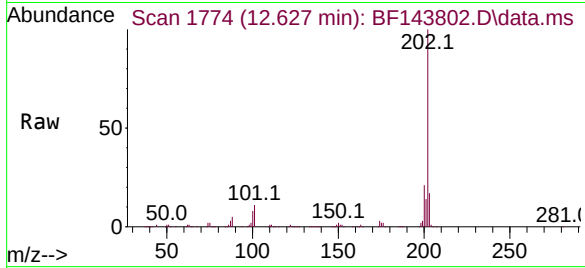
203 17.1 0.0 37.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

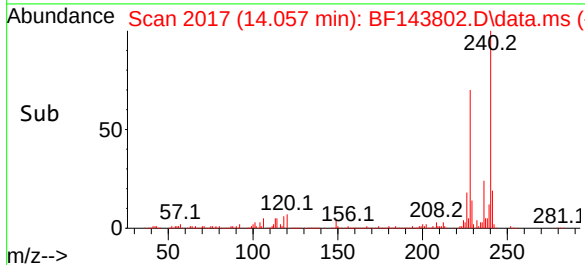
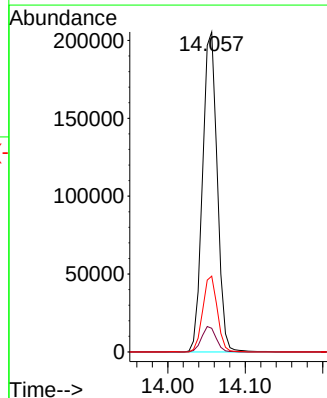
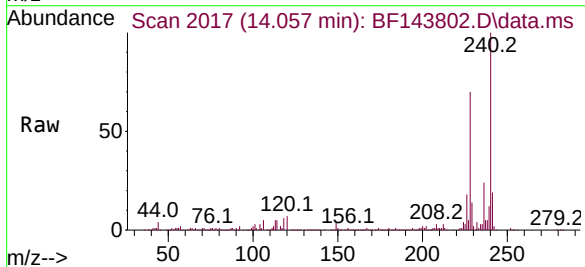
Tgt Ion:240 Resp: 269656

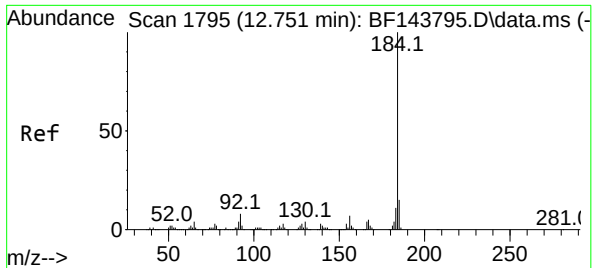
Ion Ratio Lower Upper

240 100

120 7.4 6.2 9.4

236 23.7 19.4 29.2





#77

Benzidine

Concen: 39.457 ng

RT: 12.745 min Scan# 1794

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:184 Resp: 259270

Ion Ratio Lower Upper

184 100

185 15.4 11.6 17.4

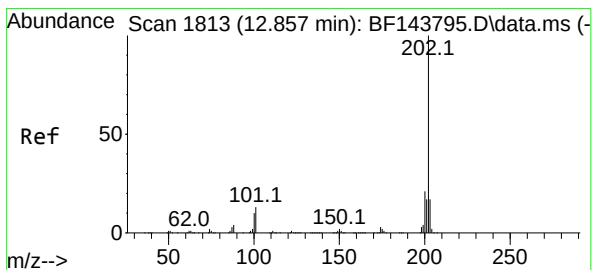
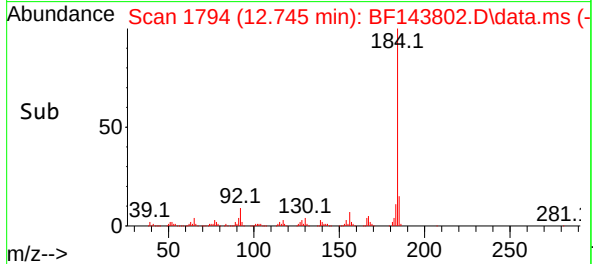
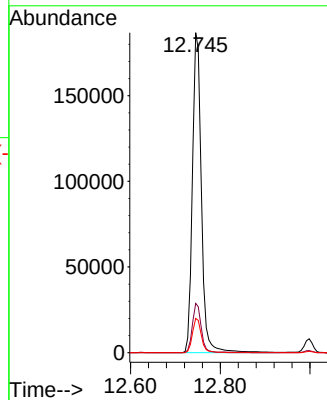
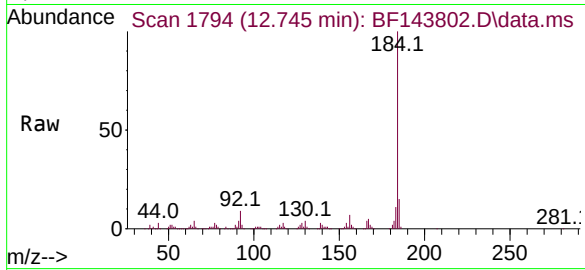
183 10.7 8.6 13.0

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#78

Pyrene

Concen: 41.045 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

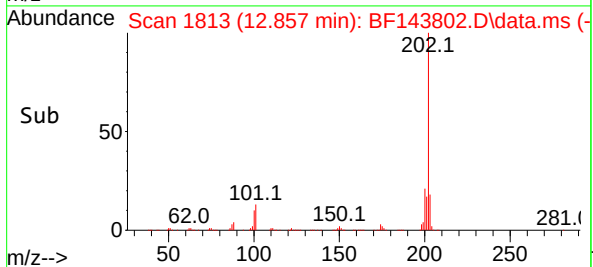
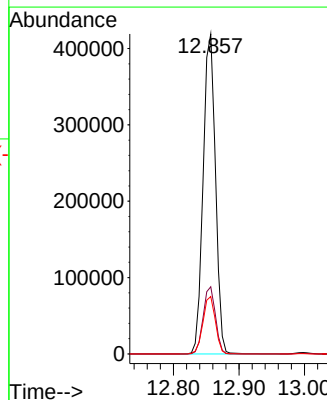
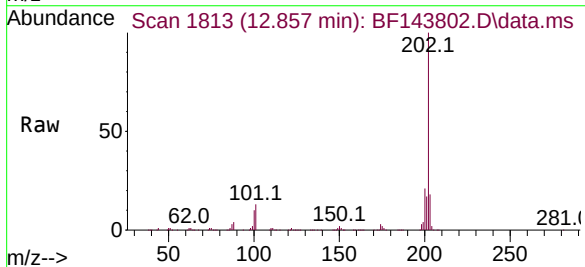
Tgt Ion:202 Resp: 544153

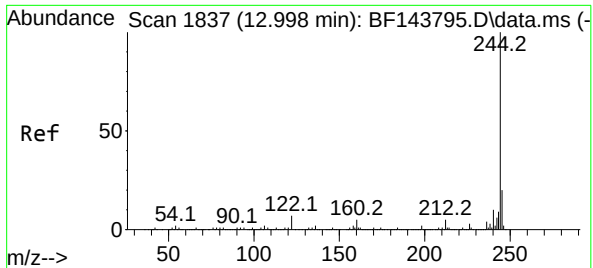
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 17.9 13.9 20.9





#79

Terphenyl-d14

Concen: 85.688 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143802.D

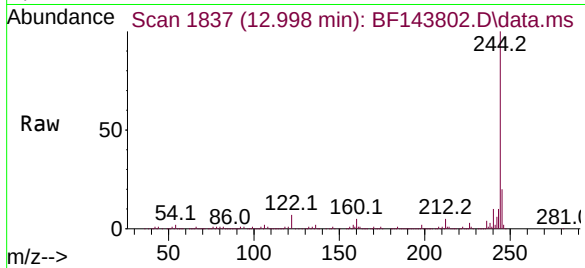
Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:244 Resp: 1136138

Ion Ratio Lower Upper

244 100

212 4.8 3.9 5.9

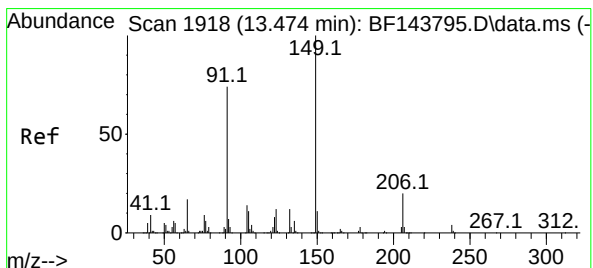
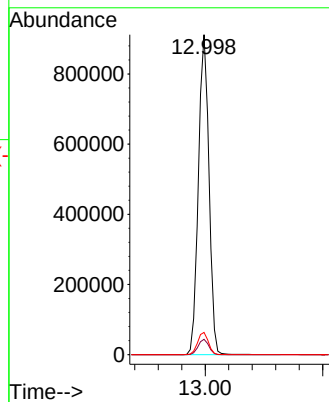
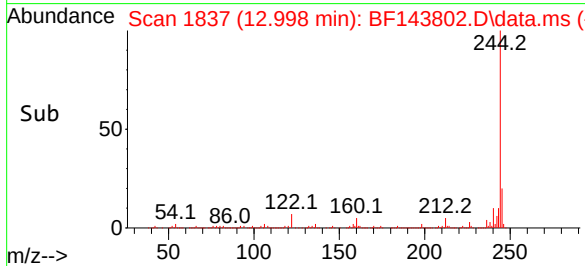
122 6.9 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#80

Butylbenzylphthalate

Concen: 43.304 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

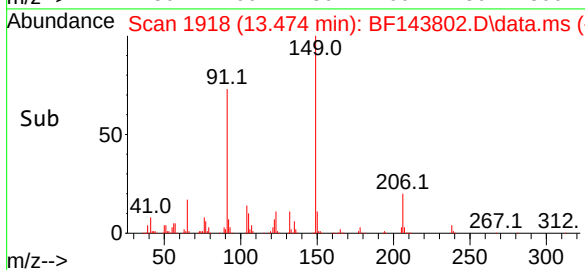
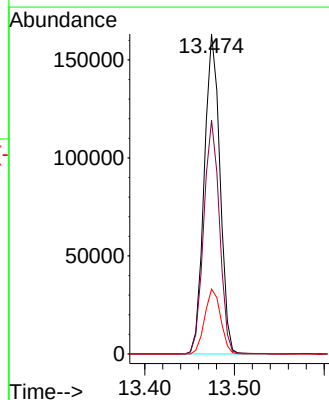
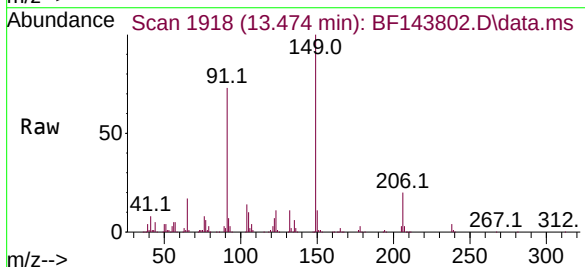
Tgt Ion:149 Resp: 198621

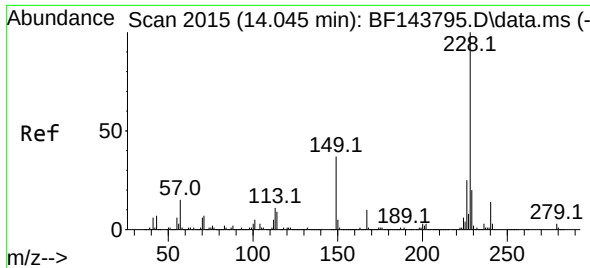
Ion Ratio Lower Upper

149 100

91 73.0 59.5 89.3

206 20.3 16.1 24.1





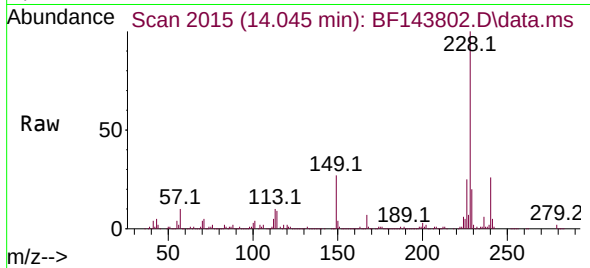
#81
Benzo(a)anthracene
Concen: 40.691 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

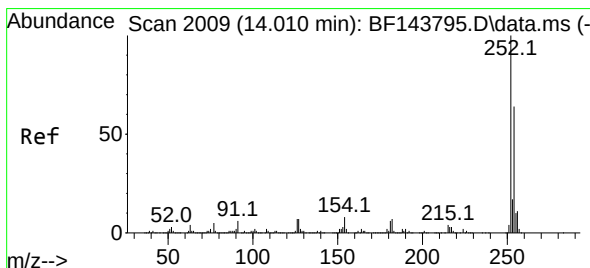
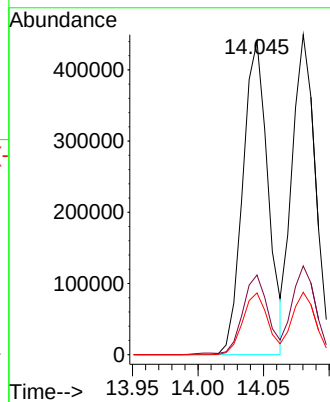
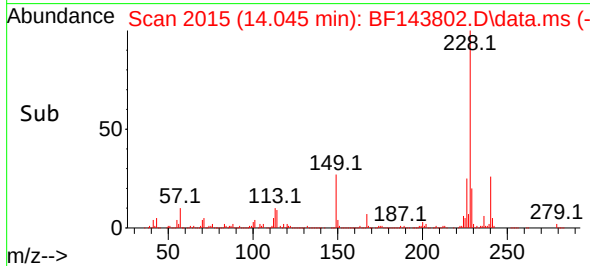


Tgt Ion:228 Resp: 589468
Ion Ratio Lower Upper
228 100
226 25.4 20.2 30.2
229 19.7 16.1 24.1

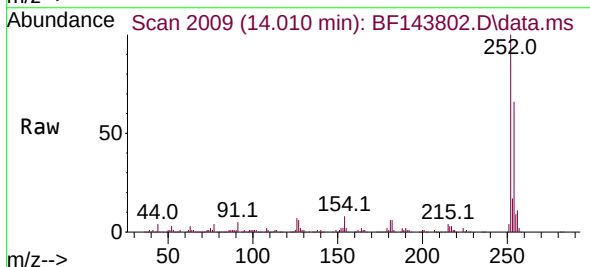
Manual Integrations

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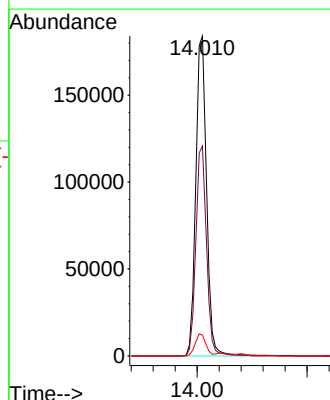
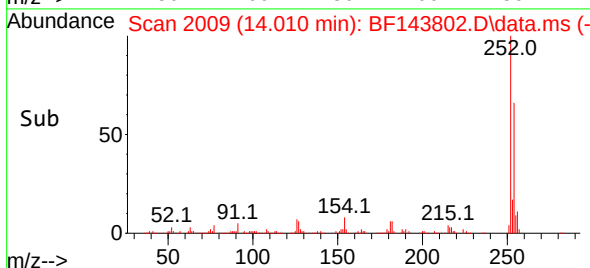
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

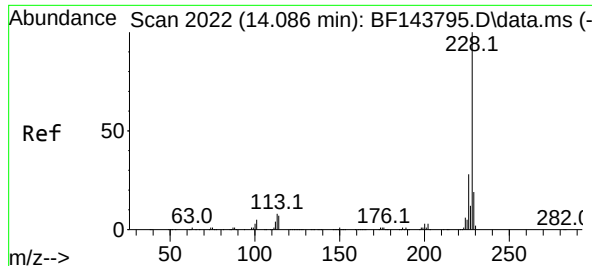


#82
3,3'-Dichlorobenzidine
Concen: 39.938 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06



Tgt Ion:252 Resp: 250642
Ion Ratio Lower Upper
252 100
254 65.6 51.5 77.3
126 6.5 5.4 8.2





#83

Chrysene

Concen: 42.382 ng

RT: 14.080 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 555552

Ion Ratio Lower Upper

228 100

226 27.7 22.6 33.8

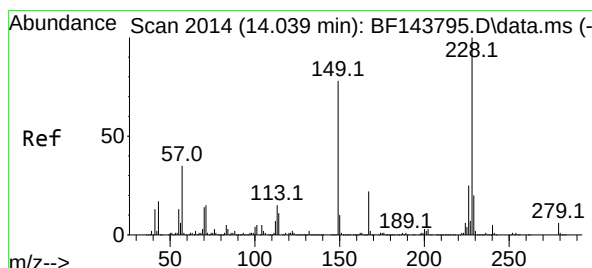
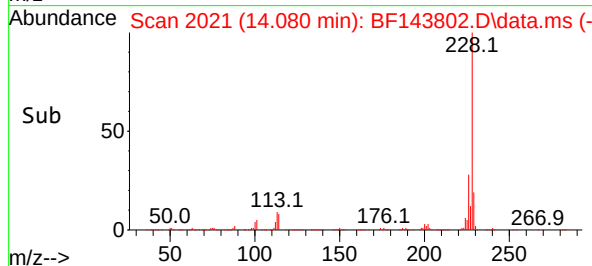
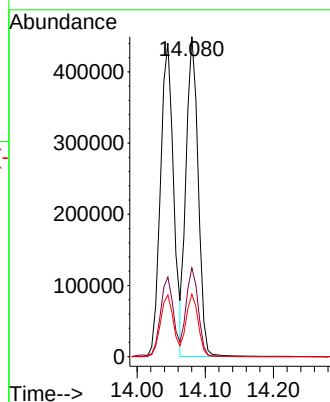
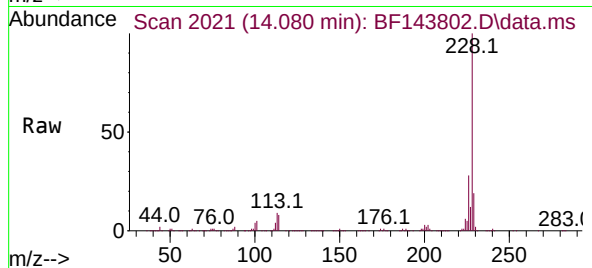
229 19.5 15.6 23.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/26/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.322 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

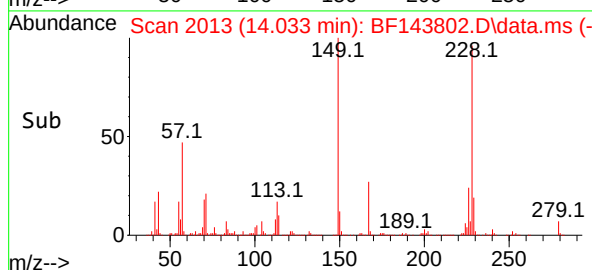
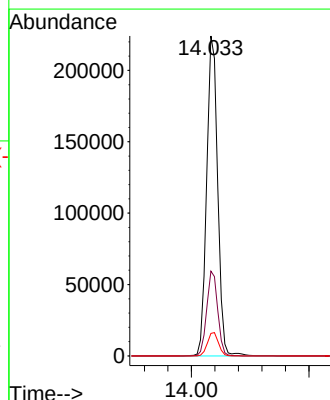
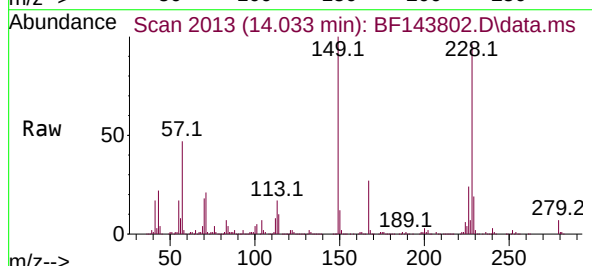
Tgt Ion:149 Resp: 291258

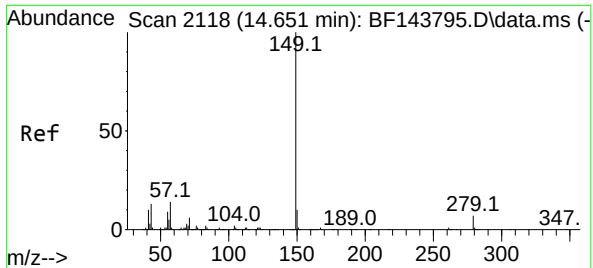
Ion Ratio Lower Upper

149 100

167 26.5 22.2 33.2

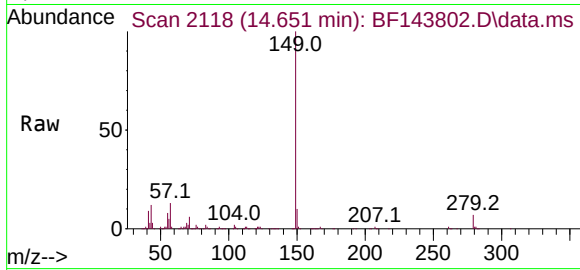
279 7.0 6.0 9.0





#85
Di-n-octyl phthalate
Concen: 40.838 ng
RT: 14.651 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

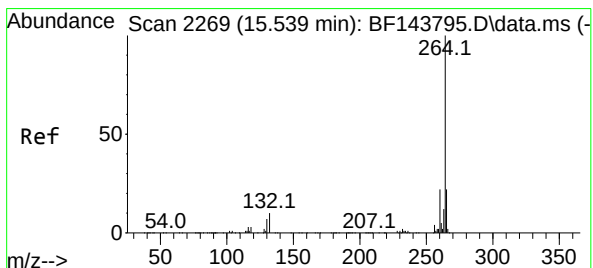
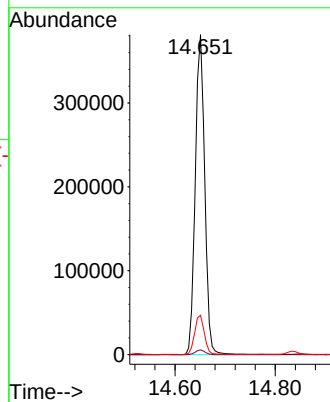
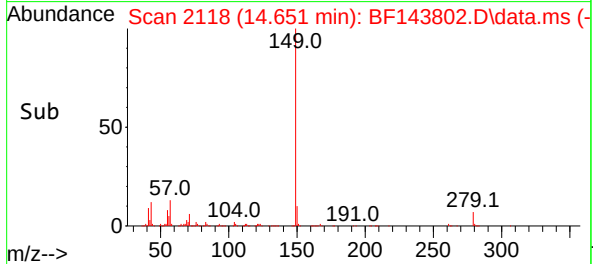
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 498026
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.7 10.7 16.1

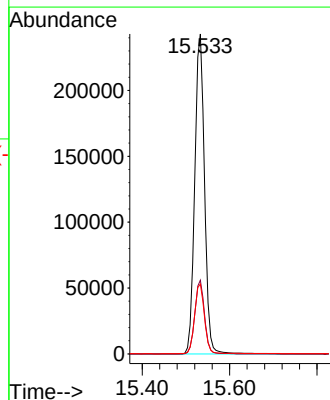
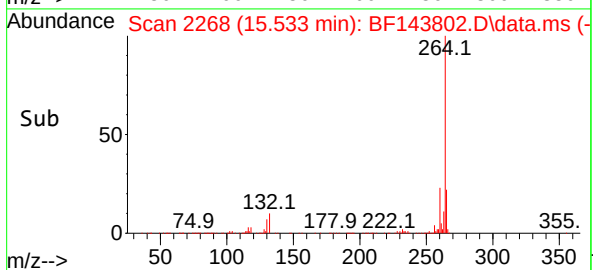
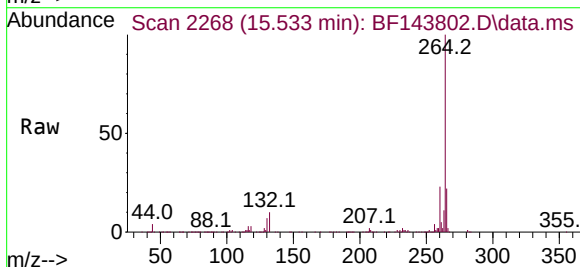
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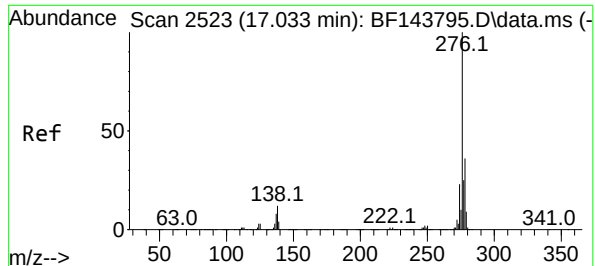
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Tgt Ion:264 Resp: 377788
Ion Ratio Lower Upper
264 100
260 23.0 17.9 26.9
265 21.8 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.072 ng

RT: 17.027 min Scan# 2194

Delta R.T. -0.018 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 1234638

Ion Ratio Lower Upper

276 100

138 12.8 10.6 15.8

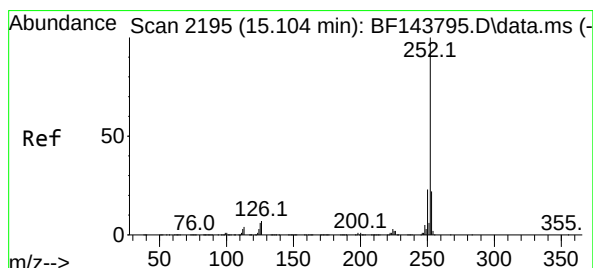
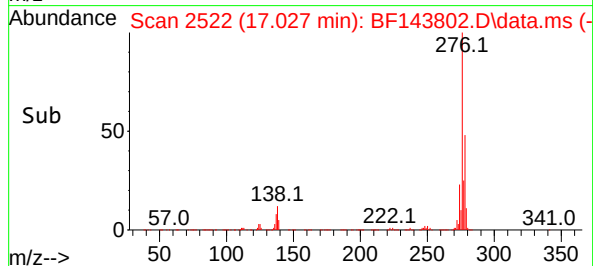
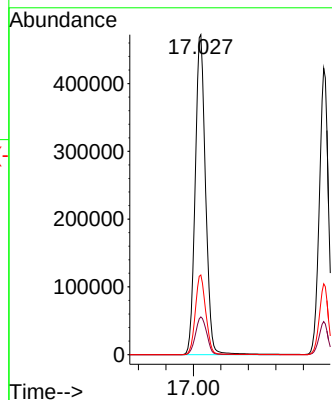
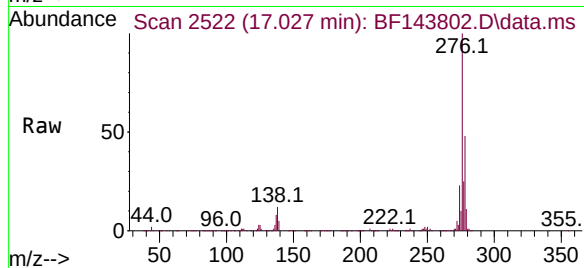
277 25.2 20.7 31.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#88

Benzo(b)fluoranthene

Concen: 40.764 ng

RT: 15.098 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

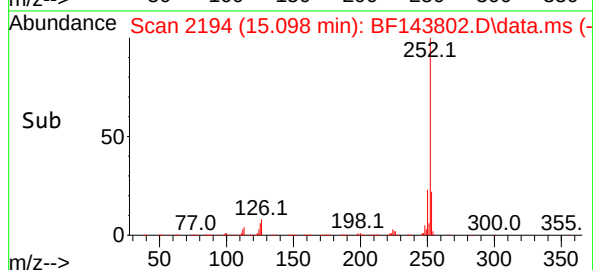
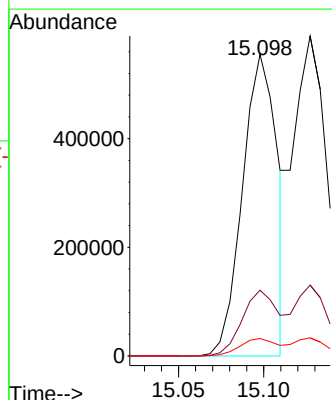
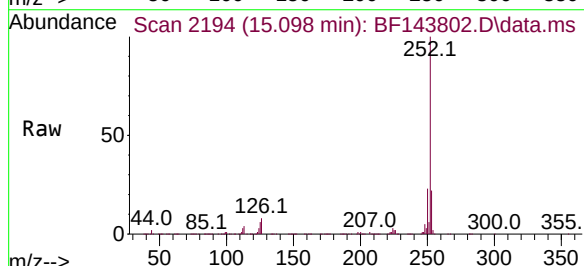
Tgt Ion:252 Resp: 784257

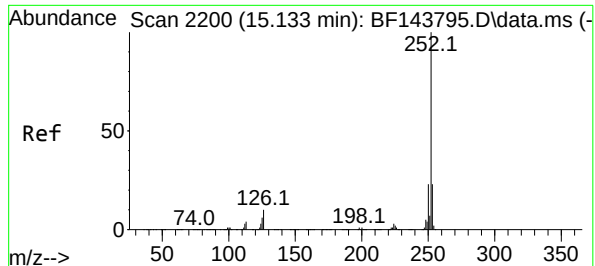
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 5.8 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 36.773 ng

RT: 15.127 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 710776

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

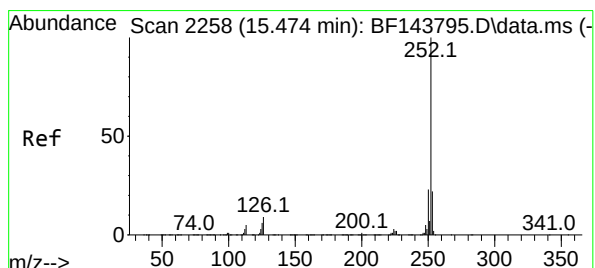
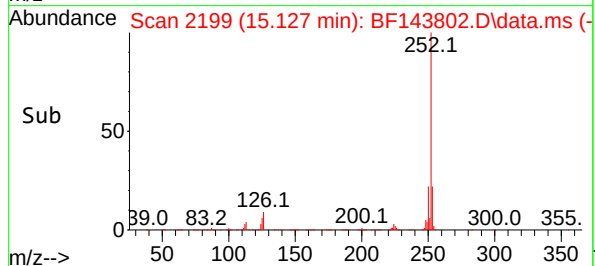
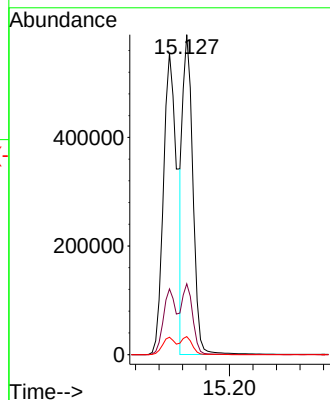
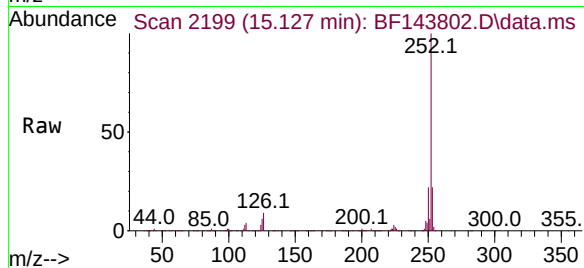
125 5.6 4.6 6.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/26/2025



#90

Benzo(a)pyrene

Concen: 41.992 ng

RT: 15.468 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF143802.D

Acq: 25 Sep 2025 13:06

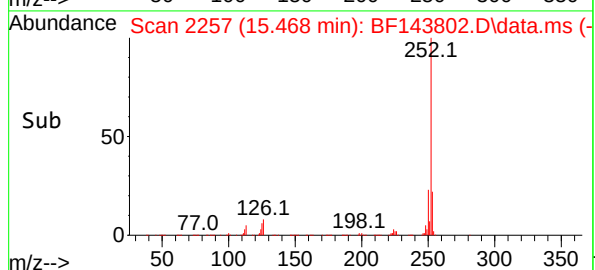
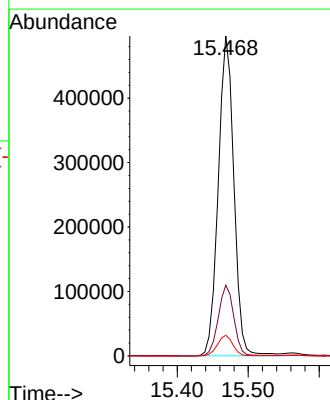
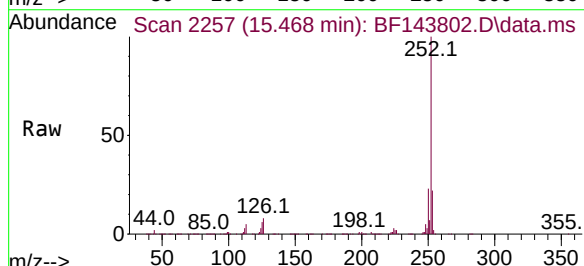
Tgt Ion:252 Resp: 759384

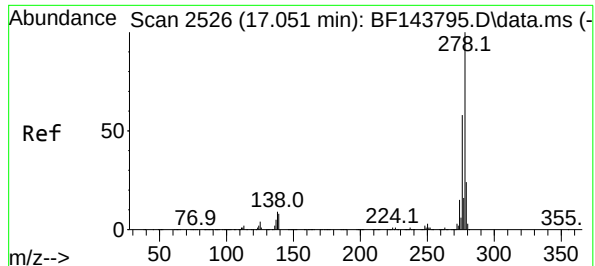
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

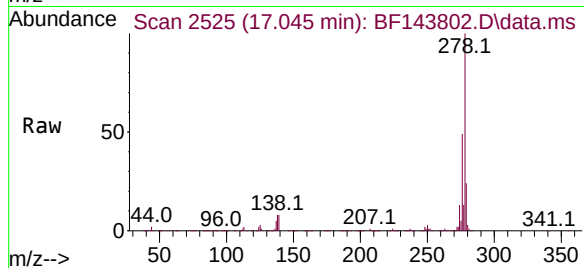
125 6.4 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 43.274 ng
RT: 17.045 min Scan# 2526
Delta R.T. -0.023 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

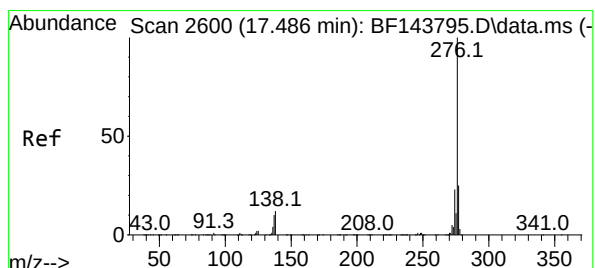
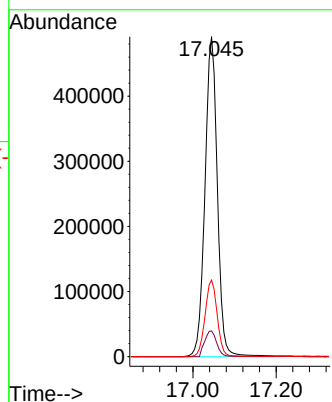
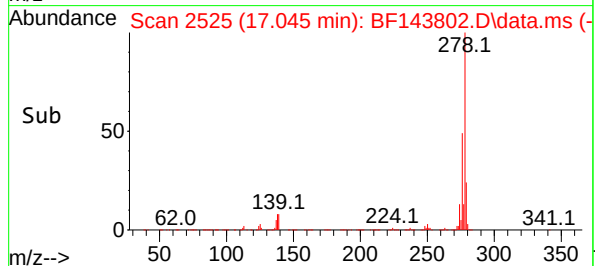
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:278 Resp: 101455
Ion Ratio Lower Upper
278 100
139 8.0 6.7 10.1
279 23.9 19.3 28.9

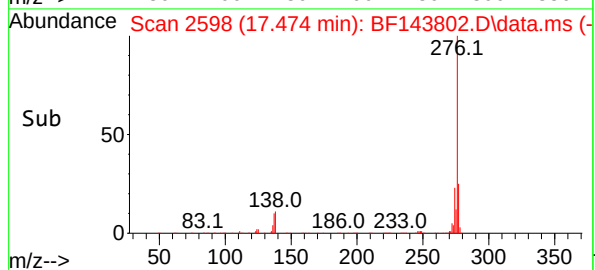
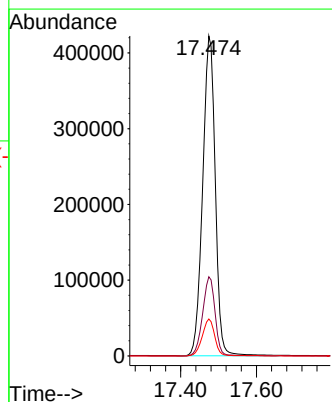
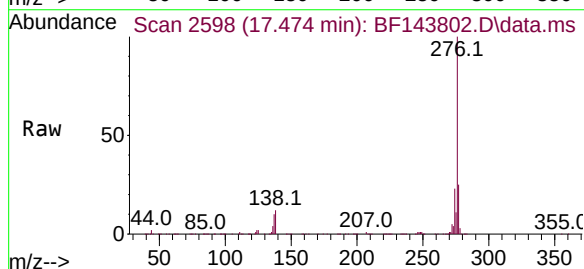
Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 43.031 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.029 min
Lab File: BF143802.D
Acq: 25 Sep 2025 13:06

Tgt Ion:276 Resp: 972510
Ion Ratio Lower Upper
276 100
277 24.8 19.6 29.4
138 11.5 9.2 13.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143802.D
 Acq On : 25 Sep 2025 13:06
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Sep 25 14:33:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 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	44.481	-11.2	95	0.00
3	Pyridine	40.000	41.751	-4.4	89	0.00
4	n-Nitrosodimethylamine	40.000	38.826	2.9	84	-0.02
5 S	2-Fluorophenol	80.000	81.743	-2.2	87	0.00
6	Aniline	40.000	37.738	5.7	84	0.00
7 S	Phenol-d6	80.000	77.411	3.2	83	-0.01
8	2-Chlorophenol	40.000	39.981	0.0	87	0.00
9	Benzaldehyde	40.000	34.942	12.6	68	0.00
10 C	Phenol	40.000	37.701	5.7	82	-0.01
11	bis(2-Chloroethyl)ether	40.000	38.364	4.1	84	0.00
12	1,3-Dichlorobenzene	40.000	40.509	-1.3	89	0.00
13 C	1,4-Dichlorobenzene	40.000	40.057	-0.1	88	0.00
14	1,2-Dichlorobenzene	40.000	39.060	2.3	86	0.00
15	Benzyl Alcohol	40.000	37.316	6.7	81	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.459	8.9	80	0.00
17	2-Methylphenol	40.000	37.449	6.4	83	0.00
18	Hexachloroethane	40.000	40.547	-1.4	88	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	34.204	14.5	79	-0.01
20	3+4-Methylphenols	40.000	37.534	6.2	81	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22	Acetophenone	40.000	40.315	-0.8	82	0.00
23 S	Nitrobenzene-d5	80.000	84.256	-5.3	84	0.00
24	Nitrobenzene	40.000	41.699	-4.2	83	-0.01
25	Isophorone	40.000	37.868	5.3	77	-0.01
26 C	2-Nitrophenol	40.000	39.769	0.6	84	0.00
27	2,4-Dimethylphenol	40.000	38.866	2.8	78	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.157	4.6	77	0.00
29 C	2,4-Dichlorophenol	40.000	40.090	-0.2	81	0.00
30	1,2,4-Trichlorobenzene	40.000	41.644	-4.1	84	0.00
31	Naphthalene	40.000	40.984	-2.5	84	0.00
32	Benzoic acid	40.000	31.632	20.9	66	-0.04
33	4-Chloroaniline	40.000	38.630	3.4	78	0.00
34 C	Hexachlorobutadiene	40.000	41.718	-4.3	83	0.00
35	Caprolactam	40.000	36.642	8.4	75	-0.03
36 C	4-Chloro-3-methylphenol	40.000	37.652	5.9	77	0.00
37	2-Methylnaphthalene	40.000	38.990	2.5	80	0.00
38	1-Methylnaphthalene	40.000	39.098	2.3	80	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	79	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	43.382	-8.5	82	0.00
41 P	Hexachlorocyclopentadiene	40.000	42.650	-6.6	77	0.00
42 S	2,4,6-Tribromophenol	80.000	87.487	-9.4	78	0.00
43 C	2,4,6-Trichlorophenol	40.000	44.230	-10.6	78	0.00
44	2,4,5-Trichlorophenol	40.000	40.809	-2.0	75	0.00
45 S	2-Fluorobiphenyl	80.000	86.957	-8.7	81	0.00
46	1,1'-Biphenyl	40.000	42.097	-5.2	80	0.00
47	2-Chloronaphthalene	40.000	42.329	-5.8	80	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143802.D
 Acq On : 25 Sep 2025 13:06
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Sep 25 14:33:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 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	43.977	-9.9	76	0.00
49	Acenaphthylene	40.000	41.866	-4.7	78	0.00
50	Dimethylphthalate	40.000	40.564	-1.4	76	0.00
51	2,6-Dinitrotoluene	40.000	43.168	-7.9	75	0.00
52 C	Acenaphthene	40.000	40.912	-2.3	77	0.00
53	3-Nitroaniline	40.000	44.387	-11.0	75	0.00
54 P	2,4-Dinitrophenol	40.000	37.264	6.8	68	0.00
55	Dibenzofuran	40.000	41.881	-4.7	79	0.00
56 P	4-Nitrophenol	40.000	39.668	0.8	73	0.00
57	2,4-Dinitrotoluene	40.000	38.763	3.1	73	0.00
58	Fluorene	40.000	40.828	-2.1	78	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	43.386	-8.5	78	0.00
60	Diethylphthalate	40.000	39.778	0.6	74	0.00
61	4-Chlorophenyl-phenylether	40.000	40.580	-1.4	76	0.00
62	4-Nitroaniline	40.000	41.725	-4.3	71	-0.01
63	Azobenzene	40.000	40.321	-0.8	75	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	75	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.701	5.7	70	0.00
66 c	n-Nitrosodiphenylamine	40.000	42.280	-5.7	77	0.00
67	4-Bromophenyl-phenylether	40.000	42.519	-6.3	76	0.00
68	Hexachlorobenzene	40.000	42.714	-6.8	77	0.00
69	Atrazine	40.000	41.731	-4.3	71	0.00
70 C	Pentachlorophenol	40.000	42.781	-7.0	74	0.00
71	Phenanthrene	40.000	42.454	-6.1	76	0.00
72	Anthracene	40.000	41.988	-5.0	75	0.00
73	Carbazole	40.000	42.799	-7.0	74	0.00
74	Di-n-butylphthalate	40.000	44.025	-10.1	74	0.00
75 C	Fluoranthene	40.000	43.193	-8.0	74	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	74	0.00
77	Benzydine	40.000	39.457	1.4	69	0.00
78	Pyrene	40.000	41.045	-2.6	74	0.00
79 S	Terphenyl-d14	80.000	85.688	-7.1	76	0.00
80	Butylbenzylphthalate	40.000	43.304	-8.3	69	0.00
81	Benzo(a)anthracene	40.000	40.691	-1.7	70	0.00
82	3,3'-Dichlorobenzidine	40.000	39.938	0.2	69	0.00
83	Chrysene	40.000	42.382	-6.0	75	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.322	-8.3	71	0.00
85 c	Di-n-octyl phthalate	40.000	40.838	-2.1	67	0.00
86 I	Perylene-d12	20.000	20.000	0.0	72	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	43.072	-7.7	73	-0.02
88	Benzo(b)fluoranthene	40.000	40.764	-1.9	68	0.00
89	Benzo(k)fluoranthene	40.000	36.773	8.1	62	-0.01
90 C	Benzo(a)pyrene	40.000	41.992	-5.0	70	-0.01
91	Dibenzo(a,h)anthracene	40.000	43.274	-8.2	72	-0.02
92	Benzo(g,h,i)perylene	40.000	43.031	-7.6	72	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143802.D
Acq On : 25 Sep 2025 13:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Sep 25 14:33:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 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\BF092525\
 Data File : BF143802.D
 Acq On : 25 Sep 2025 13:06
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Sep 25 14:33:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 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	0.589	0.655	-11.2	95	0.00
3	Pyridine	1.590	1.660	-4.4	89	0.00
4	n-Nitrosodimethylamine	0.797	0.774	2.9	84	-0.02
5 S	2-Fluorophenol	1.231	1.258	-2.2	87	0.00
6	Aniline	2.064	1.948	5.6	84	0.00
7 S	Phenol-d6	1.422	1.376	3.2	83	-0.01
8	2-Chlorophenol	1.260	1.260	0.0	87	0.00
9	Benzaldehyde	1.246	1.088	12.7	68	0.00
10 C	Phenol	1.653	1.558	5.7	82	-0.01
11	bis(2-Chloroethyl)ether	1.296	1.243	4.1	84	0.00
12	1,3-Dichlorobenzene	1.463	1.482	-1.3	89	0.00
13 C	1,4-Dichlorobenzene	1.460	1.462	-0.1	88	0.00
14	1,2-Dichlorobenzene	1.383	1.350	2.4	86	0.00
15	Benzyl Alcohol	1.028	0.959	6.7	81	0.00
16	2,2'-oxybis(1-Chloropropane	3.073	2.801	8.9	80	0.00
17	2-Methylphenol	0.976	0.913	6.5	83	0.00
18	Hexachloroethane	0.514	0.521	-1.4	88	0.00
19 P	n-Nitroso-di-n-propylamine	0.915	0.782	14.5	79	-0.01
20	3+4-Methylphenols	1.188	1.115	6.1	81	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22	Acetophenone	0.439	0.443	-0.9	82	0.00
23 S	Nitrobenzene-d5	0.327	0.344	-5.2	84	0.00
24	Nitrobenzene	0.362	0.378	-4.4	83	-0.01
25	Isophorone	0.637	0.603	5.3	77	-0.01
26 C	2-Nitrophenol	0.132	0.146	-10.6	84	0.00
27	2,4-Dimethylphenol	0.285	0.277	2.8	78	0.00
28	bis(2-Chloroethoxy)methane	0.414	0.395	4.6	77	0.00
29 C	2,4-Dichlorophenol	0.280	0.281	-0.4	81	0.00
30	1,2,4-Trichlorobenzene	0.291	0.303	-4.1	84	0.00
31	Naphthalene	0.957	0.981	-2.5	84	0.00
32	Benzoic acid	0.137	0.109	20.4	66	-0.04
33	4-Chloroaniline	0.336	0.325	3.3	78	0.00
34 C	Hexachlorobutadiene	0.217	0.226	-4.1	83	0.00
35	Caprolactam	0.072	0.066	8.3	75	-0.03
36 C	4-Chloro-3-methylphenol	0.263	0.247	6.1	77	0.00
37	2-Methylnaphthalene	0.611	0.595	2.6	80	0.00
38	1-Methylnaphthalene	0.584	0.571	2.2	80	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
40	1,2,4,5-Tetrachlorobenzene	0.604	0.655	-8.4	82	0.00
41 P	Hexachlorocyclopentadiene	0.383	0.408	-6.5	77	0.00
42 S	2,4,6-Tribromophenol	0.296	0.324	-9.5	78	0.00
43 C	2,4,6-Trichlorophenol	0.378	0.418	-10.6	78	0.00
44	2,4,5-Trichlorophenol	0.395	0.403	-2.0	75	0.00
45 S	2-Fluorobiphenyl	1.282	1.393	-8.7	81	0.00
46	1,1'-Biphenyl	1.448	1.524	-5.2	80	0.00
47	2-Chloronaphthalene	1.165	1.233	-5.8	80	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143802.D
 Acq On : 25 Sep 2025 13:06
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Sep 25 14:33:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 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	0.352	0.387	-9.9	76	0.00
49	Acenaphthylene	1.604	1.679	-4.7	78	0.00
50	Dimethylphthalate	1.219	1.236	-1.4	76	0.00
51	2,6-Dinitrotoluene	0.200	0.216	-8.0	75	0.00
52 C	Acenaphthene	1.056	1.080	-2.3	77	0.00
53	3-Nitroaniline	0.243	0.269	-10.7	75	0.00
54 P	2,4-Dinitrophenol	0.064	0.055	14.1	68	0.00
55	Dibenzofuran	1.493	1.563	-4.7	79	0.00
56 P	4-Nitrophenol	0.196	0.194	1.0	73	0.00
57	2,4-Dinitrotoluene	0.261	0.284	-8.8	73	0.00
58	Fluorene	1.110	1.133	-2.1	78	0.00
59	2,3,4,6-Tetrachlorophenol	0.339	0.367	-8.3	78	0.00
60	Diethylphthalate	1.141	1.135	0.5	74	0.00
61	4-Chlorophenyl-phenylether	0.566	0.574	-1.4	76	0.00
62	4-Nitroaniline	0.228	0.238	-4.4	71	-0.01
63	Azobenzene	1.203	1.212	-0.7	75	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	75	0.00
65	4,6-Dinitro-2-methylphenol	0.067	0.064	4.5	70	0.00
66 c	n-Nitrosodiphenylamine	0.658	0.695	-5.6	77	0.00
67	4-Bromophenyl-phenylether	0.341	0.362	-6.2	76	0.00
68	Hexachlorobenzene	0.470	0.502	-6.8	77	0.00
69	Atrazine	0.190	0.199	-4.7	71	0.00
70 C	Pentachlorophenol	0.234	0.250	-6.8	74	0.00
71	Phenanthrene	1.027	1.090	-6.1	76	0.00
72	Anthracene	1.030	1.081	-5.0	75	0.00
73	Carbazole	0.901	0.964	-7.0	74	0.00
74	Di-n-butylphthalate	1.036	1.140	-10.0	74	0.00
75 C	Fluoranthene	1.033	1.115	-7.9	74	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	74	0.00
77	Benzydine	0.487	0.481	1.2	69	0.00
78	Pyrene	0.983	1.009	-2.6	74	0.00
79 S	Terphenyl-d14	0.983	1.053	-7.1	76	0.00
80	Butylbenzylphthalate	0.340	0.368	-8.2	69	0.00
81	Benzo(a)anthracene	1.074	1.093	-1.8	70	0.00
82	3,3'-Dichlorobenzidine	0.465	0.465	0.0	69	0.00
83	Chrysene	0.972	1.030	-6.0	75	0.00
84	Bis(2-ethylhexyl)phthalate	0.499	0.540	-8.2	71	0.00
85 c	Di-n-octyl phthalate	0.905	0.923	-2.0	67	0.00
86 I	Perylene-d12	1.000	1.000	0.0	72	0.00
87	Indeno(1,2,3-cd)pyrene	1.517	1.634	-7.7	73	-0.02
88	Benzo(b)fluoranthene	1.018	1.038	-2.0	68	0.00
89	Benzo(k)fluoranthene	1.023	0.941	8.0	62	-0.01
90 C	Benzo(a)pyrene	0.957	1.005	-5.0	70	-0.01
91	Dibenzo(a,h)anthracene	1.241	1.343	-8.2	72	-0.02
92	Benzo(g,h,i)perylene	1.196	1.287	-7.6	72	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143802.D
Acq On : 25 Sep 2025 13:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Sep 25 14:33:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 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



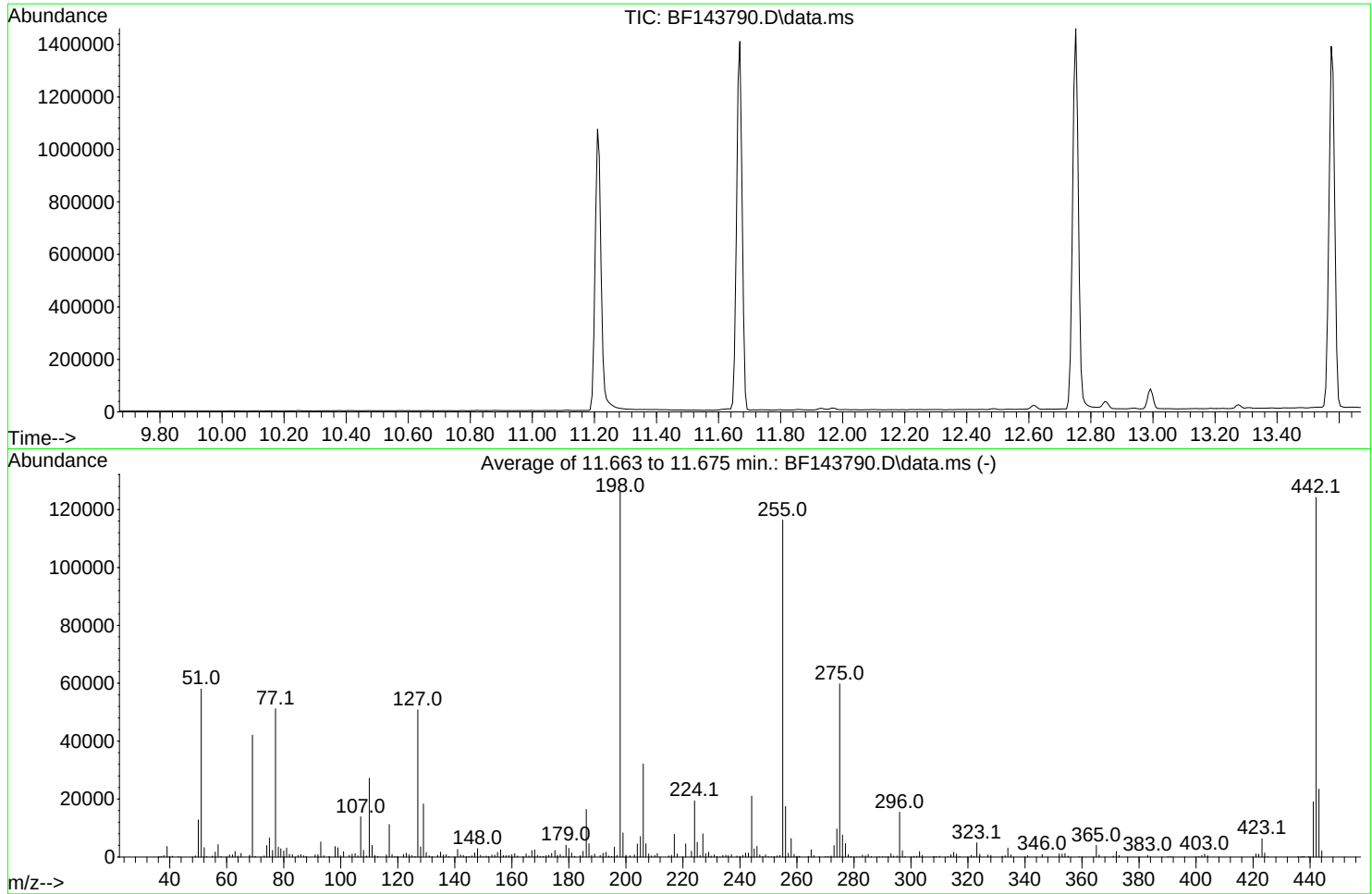
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
Data File : BF143790.D
Acq On : 23 Sep 2025 09:31
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-BF092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 24 05:00:00 2025



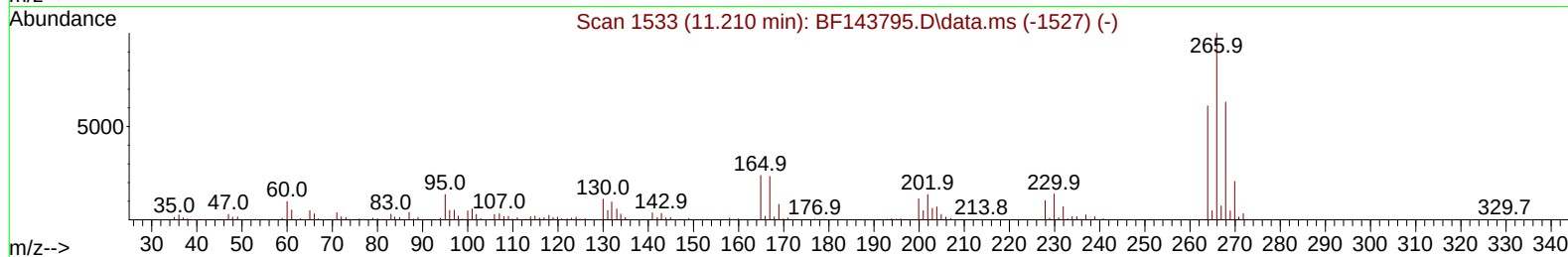
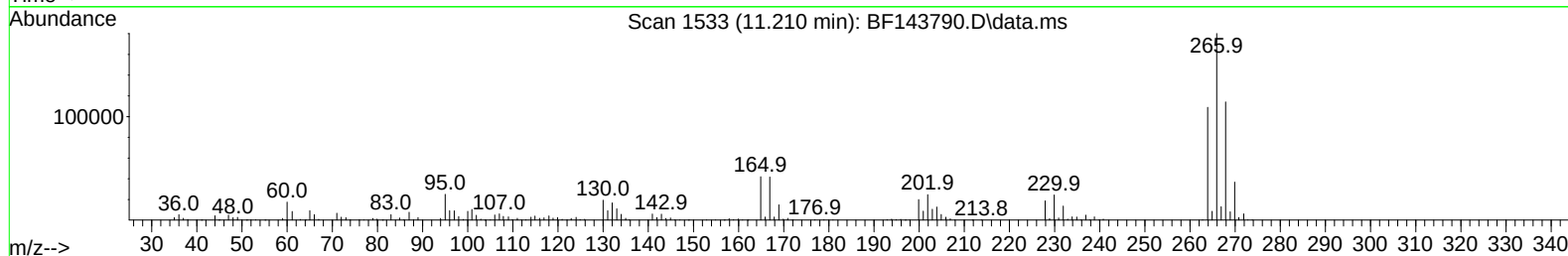
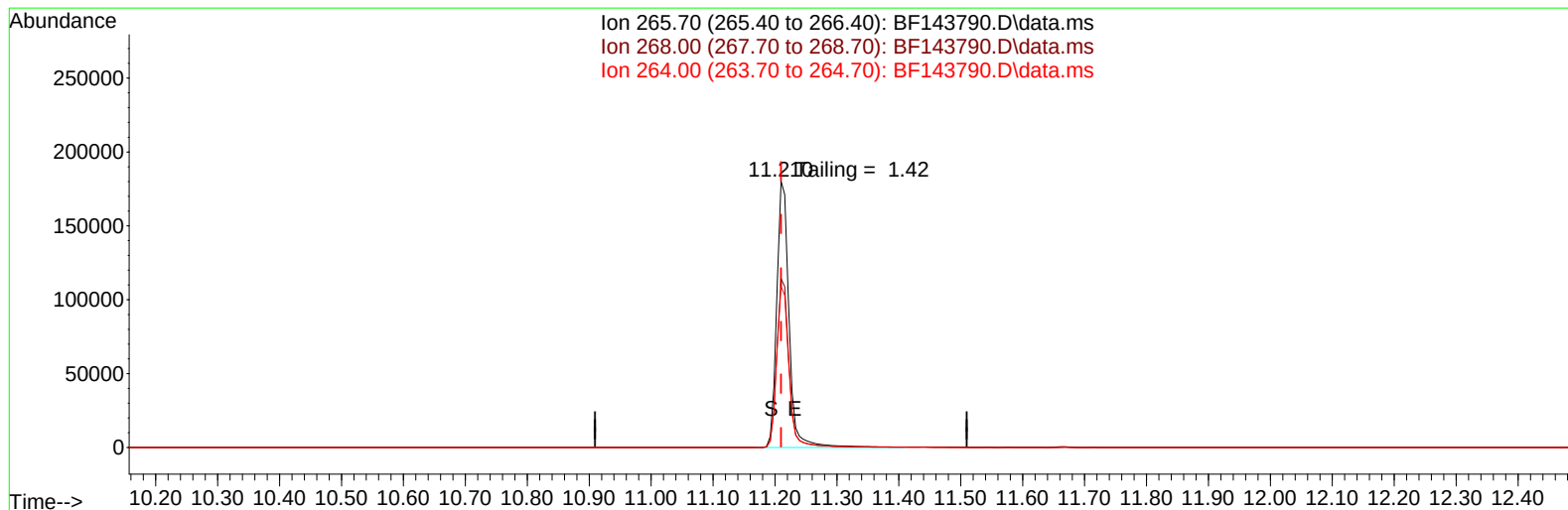
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1604

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	670	PASS
69	69	100	100	100.0	42104	PASS
70	69	0.00	2	0.6	252	PASS
197	198	0.00	2	0.4	514	PASS
198	198	100	100	100.0	126099	PASS
199	198	5	9	6.6	8311	PASS
365	198	1	100	3.2	4006	PASS
441	443	0.01	150	81.4	19061	PASS
442	442	100	100	100.0	124205	PASS
443	442	15	24	18.9	23416	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
Data File : BF143790.D
Acq On : 23 Sep 2025 09:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Sep 23 14:37:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 14:30:38 2025
Response via : Initial Calibration



TIC: BF143790.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.000) 32047.58 ng

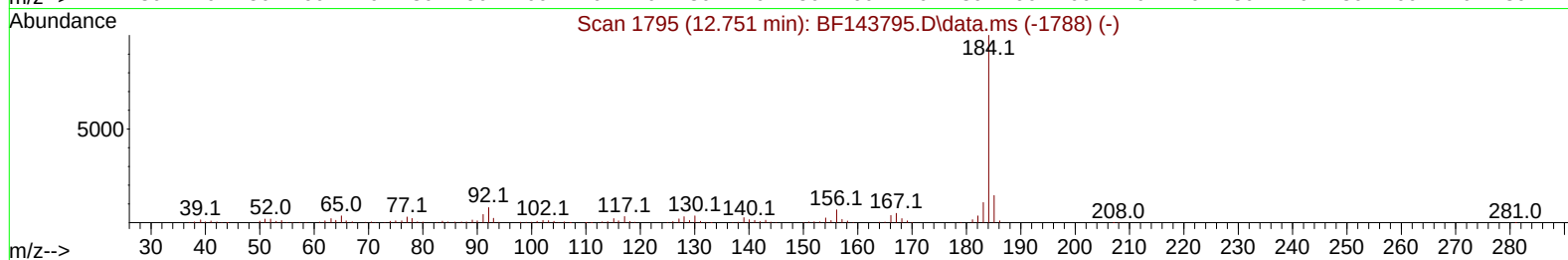
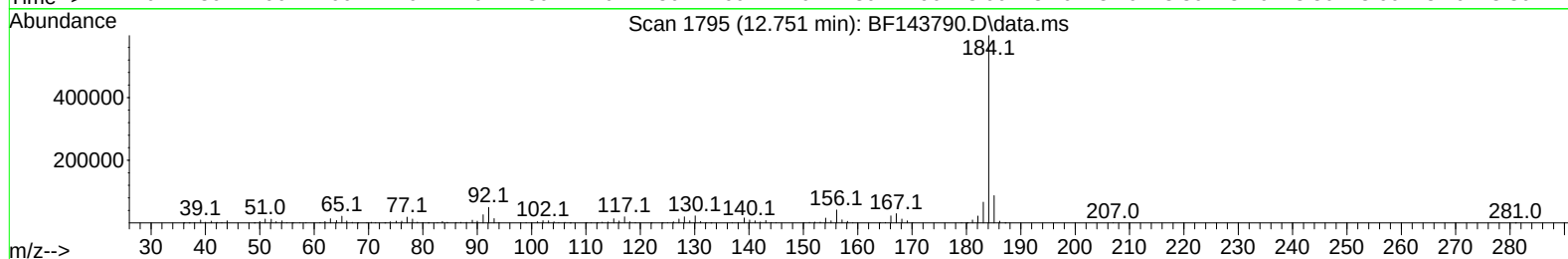
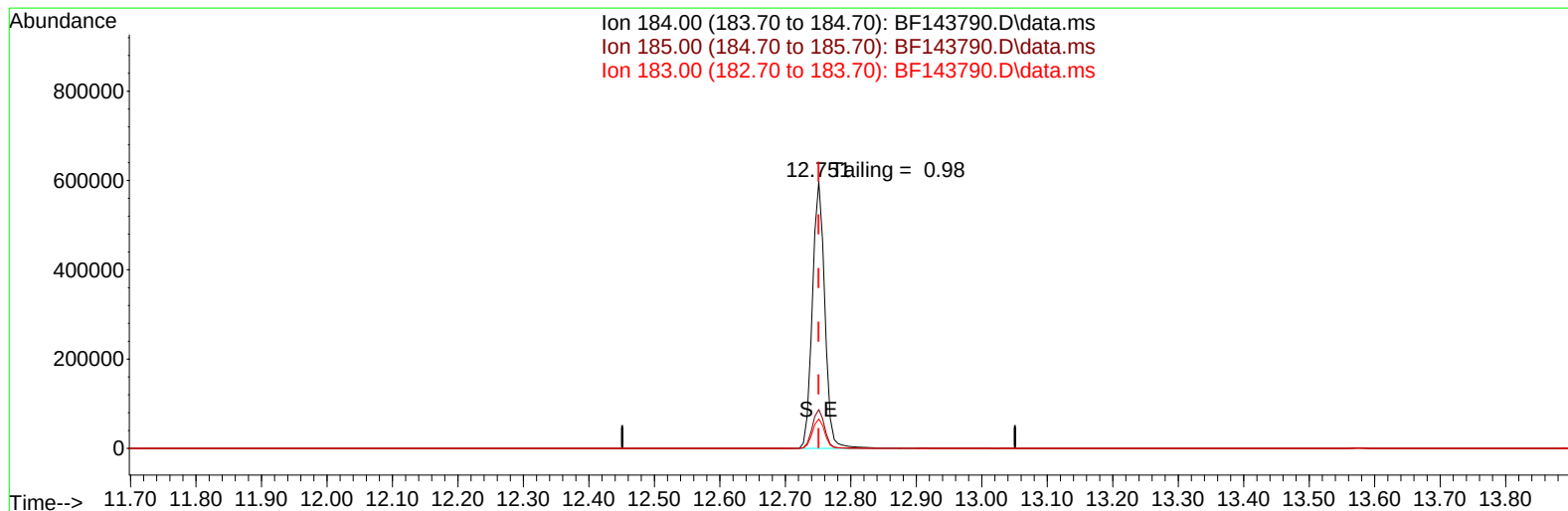
response 252838

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	63.36
264.00	61.00	60.49
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092325\
Data File : BF143790.D
Acq On : 23 Sep 2025 09:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Sep 23 14:37:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 23 14:30:38 2025
Response via : Initial Calibration



TIC: BF143790.D\data.ms

(77) Benzidine

12.751min (+ 0.000) 22811.55 ng

response 789331

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.56
183.00	10.80	11.07
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

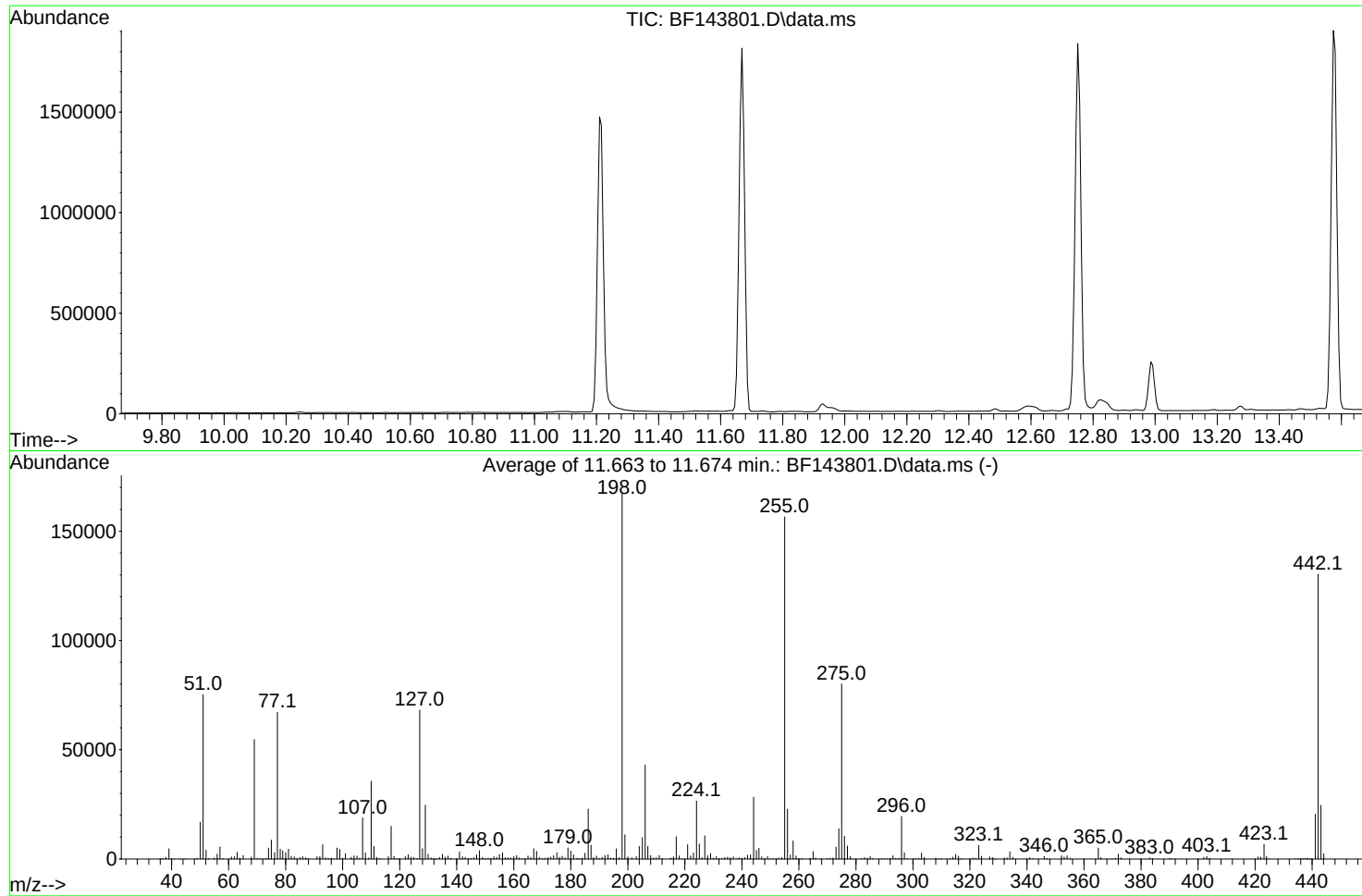
Date	Instrument Name	DFTPP Data File
9/23/2025	BNA_F	<u>BF143790.D</u>
Compound Name	Response	Retention Time
DDT	356414	13.574
DDD	5539	13.274
DDE	649	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6188	362602	1.71

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143801.D
Acq On : 25 Sep 2025 12:03
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-BF092325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 24 05:00:00 2025



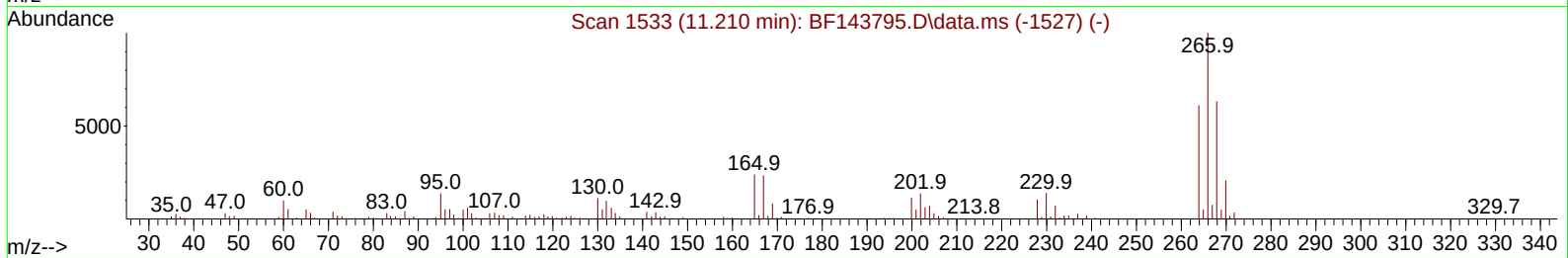
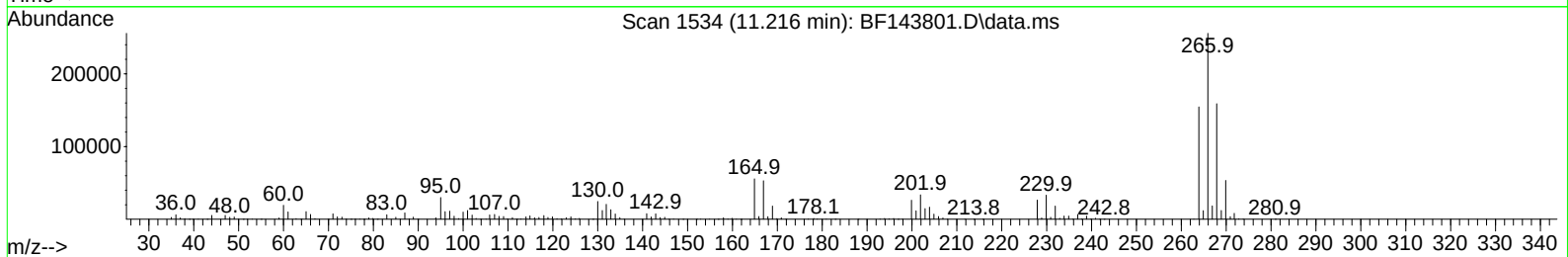
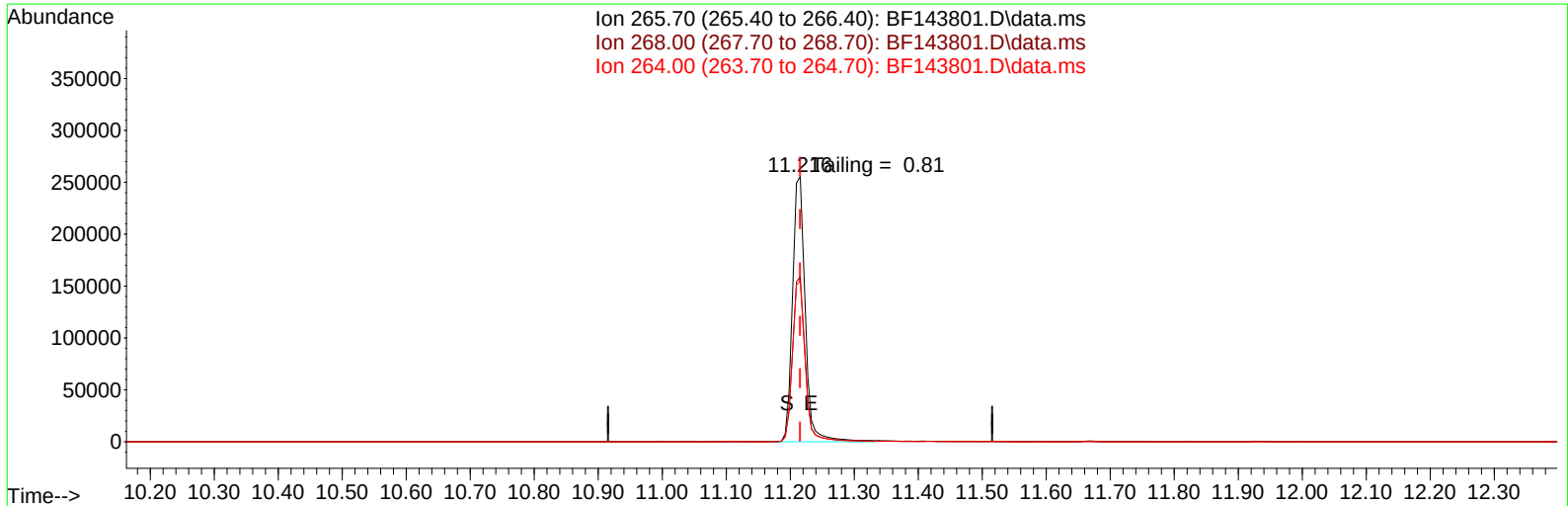
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.5	818	PASS
69	69	100	100	100.0	54649	PASS
70	69	0.00	2	0.5	280	PASS
197	198	0.00	2	0.3	572	PASS
198	198	100	100	100.0	167104	PASS
199	198	5	9	6.6	11091	PASS
365	198	1	100	3.0	4982	PASS
441	443	0.01	150	83.4	20469	PASS
442	442	100	100	100.0	130317	PASS
443	442	15	24	18.8	24531	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143801.D
Acq On : 25 Sep 2025 12:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Sep 25 12:28:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration



TIC: BF143801.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.000) 38670.72 ng

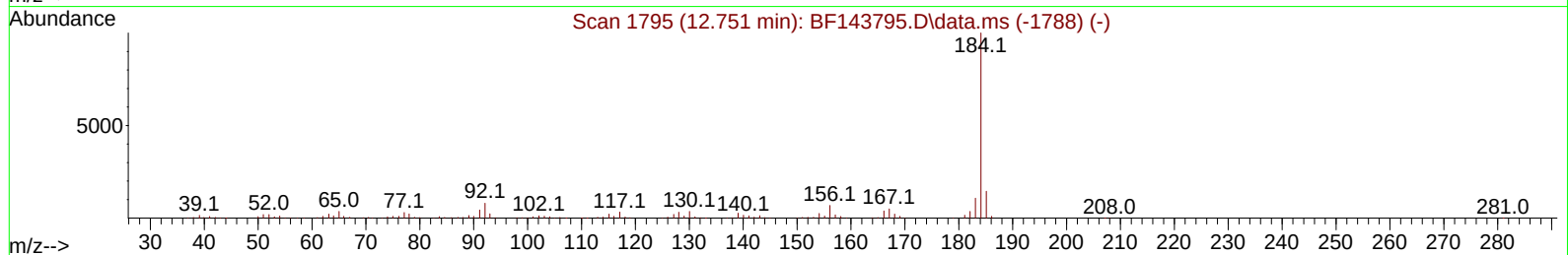
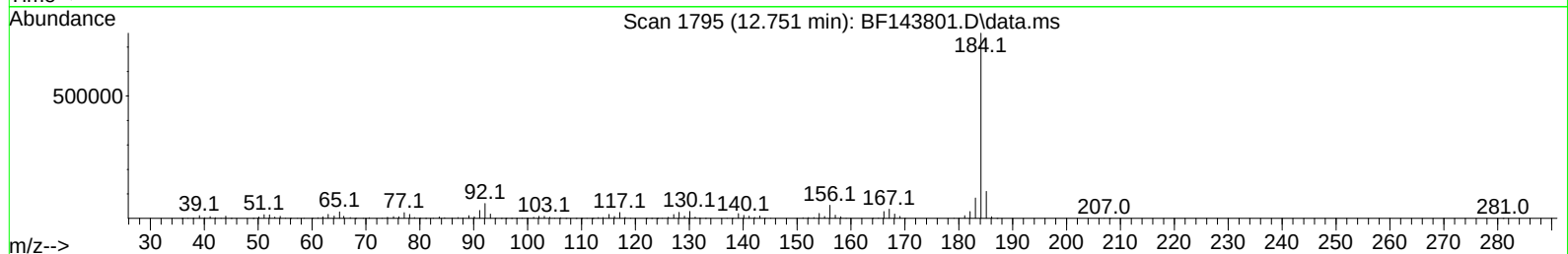
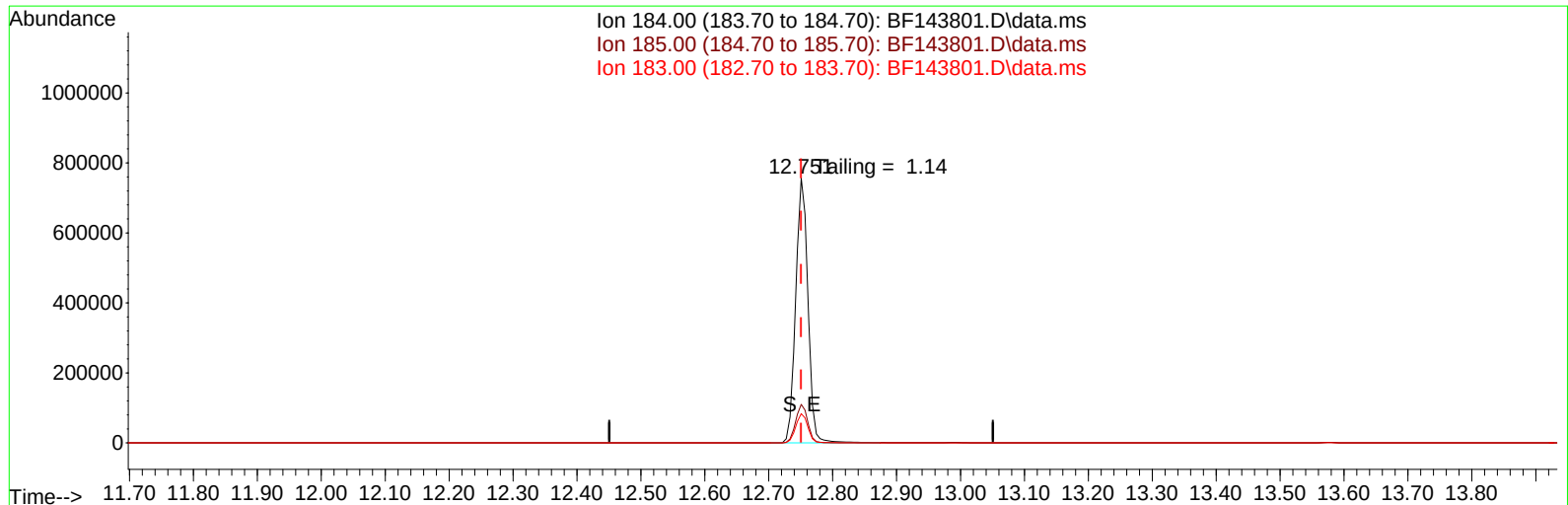
response 355330

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	62.16
264.00	61.00	60.46
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143801.D
Acq On : 25 Sep 2025 12:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Sep 25 12:28:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration



TIC: BF143801.D\data.ms

(77) Benzidine

12.751min (0.000) 5496.52 ng

response 1007617

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.54
183.00	10.80	11.02
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
9/25/2025	BNA_F	<u>BF143801.D</u>
Compound Name	Response	Retention Time
DDT	502047	13.574
DDD	7723	13.274
DDE	1204	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8927	510974	1.75

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169827BL	SDG No.:	Q3178
Lab Sample ID:	PB169827BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143803.D	1	09/25/25 09:25	09/25/25 13:46	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169827BL	SDG No.:	Q3178
Lab Sample ID:	PB169827BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143803.D	1	09/25/25 09:25	09/25/25 13:46	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169827BL	SDG No.:	Q3178
Lab Sample ID:	PB169827BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143803.D	1	09/25/25 09:25	09/25/25 13:46	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	242		18 - 112	81%	SPK: 300
13127-88-3	Phenol-d6	246		15 - 107	82%	SPK: 300
4165-60-0	Nitrobenzene-d5	185		18 - 107	92%	SPK: 200
321-60-8	2-Fluorobiphenyl	165		20 - 109	82%	SPK: 200
118-79-6	2,4,6-Tribromophenol	205		10 - 116	68%	SPK: 300
1718-51-0	Terphenyl-d14	213	*	10 - 105	107%	SPK: 200
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	90600		6.886		
1146-65-2	Naphthalene-d8	350000		8.163		
15067-26-2	Acenaphthene-d10	191000		9.922		
1517-22-2	Phenanthrene-d10	314000		11.41		
1719-03-5	Chrysene-d12	279000		14.051		
1520-96-3	Perylene-d12	321000		15.533		
TENTATIVE IDENTIFIED COMPOUNDS						
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	350	J		17.2	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169827BL	SDG No.:	Q3178
Lab Sample ID:	PB169827BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143803.D	1	09/25/25 09:25	09/25/25 13:46	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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\BF092525\
Data File : BF143803.D
Acq On : 25 Sep 2025 13:46
Operator : RC/JU
Sample : PB169827BL
Misc :
ALS Vial : 3 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
PB169827BL

Quant Time: Sep 25 14:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	181119	40.000	ng	0.00
21) Naphthalene-d8	8.163	136	699988	40.000	ng	0.00
39) Acenaphthene-d10	9.922	164	382723	40.000	ng	0.00
64) Phenanthrene-d10	11.410	188	628340	40.000	ng	0.00
76) Chrysene-d12	14.051	240	557779	40.000	ng	-0.01
86) Perylene-d12	15.533	264	642668	40.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1350528	121.147	ng	0.01
7) Phenol-d6	6.504	99	1583008	122.899	ng	0.00
23) Nitrobenzene-d5	7.445	82	1057786	92.500	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	582036	102.709	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2019445	82.340	ng	0.00
79) Terphenyl-d14	13.004	244	2921898	106.537	ng	0.00

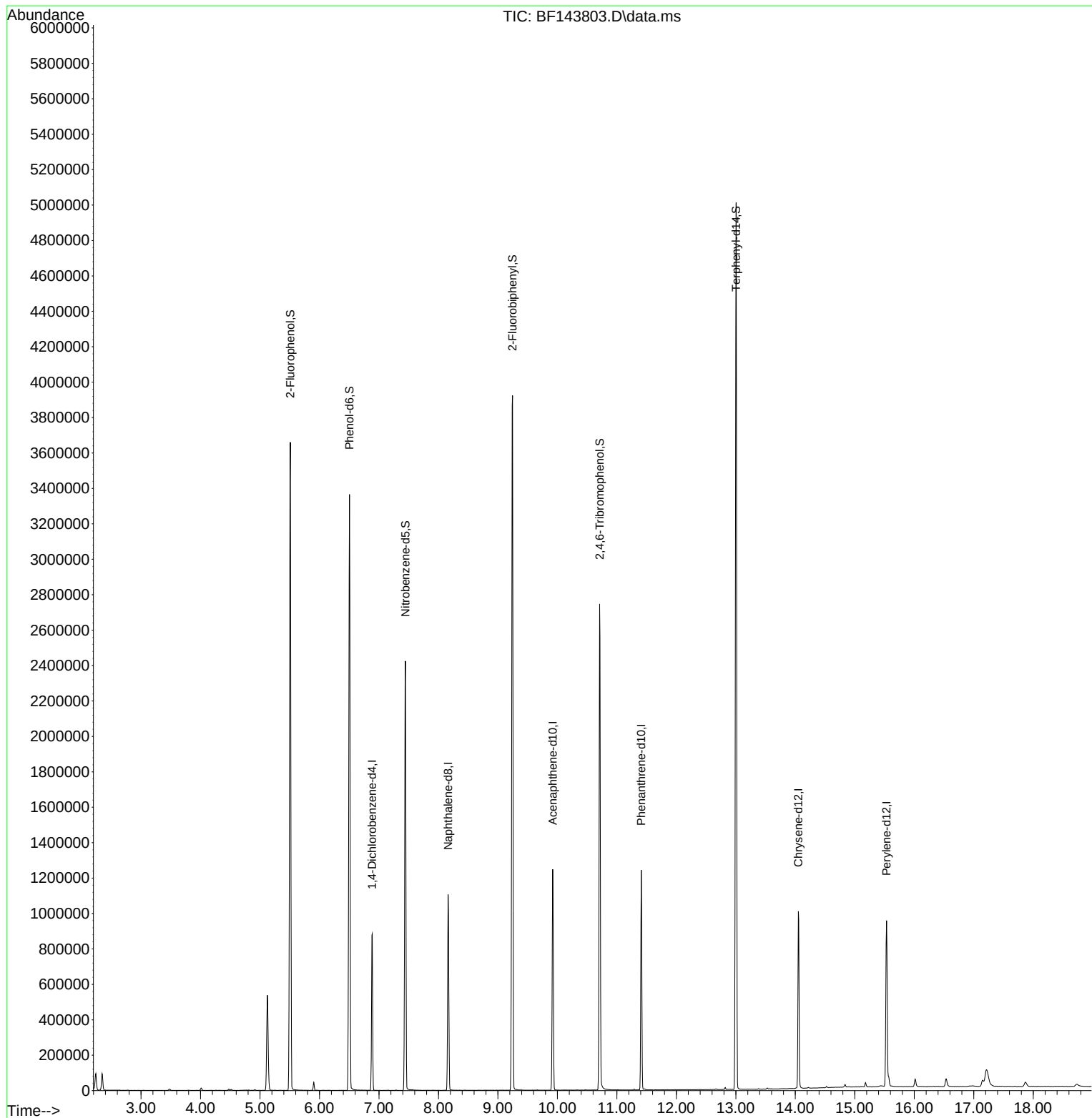
Target Compounds	Qvalue

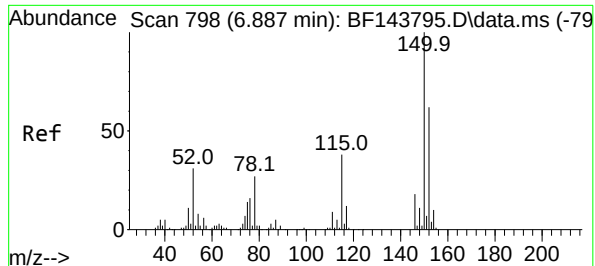
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143803.D
Acq On : 25 Sep 2025 13:46
Operator : RC/JU
Sample : PB169827BL
Misc :
ALS Vial : 3 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
PB169827BL

Quant Time: Sep 25 14:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration

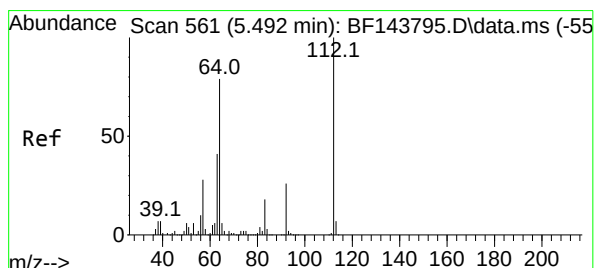
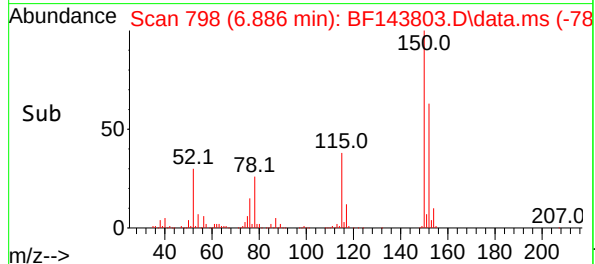
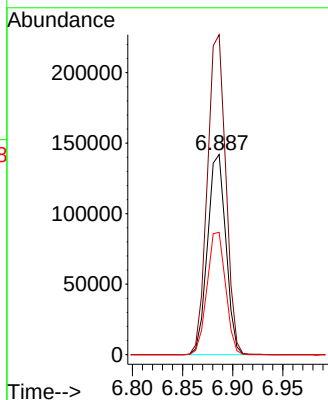
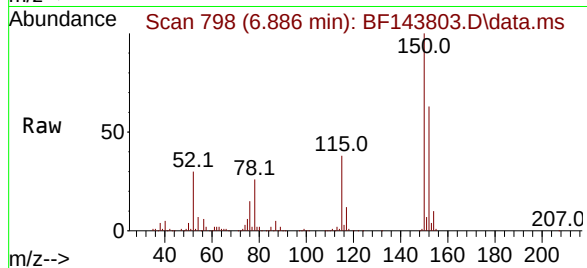




#1
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 6.886 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

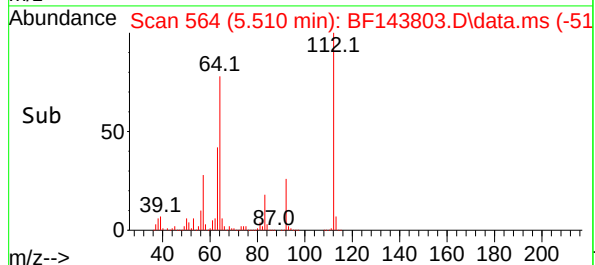
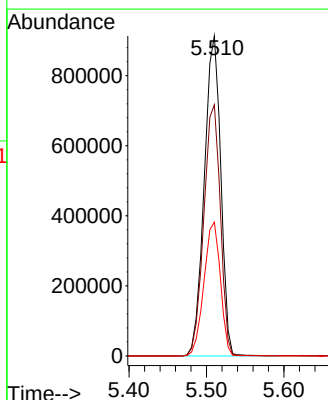
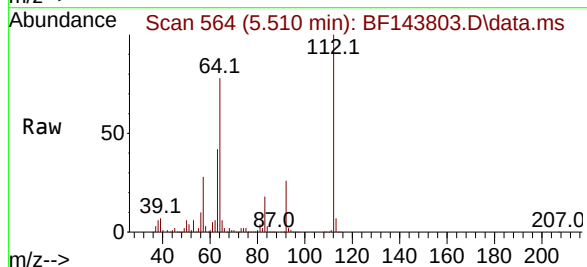
Instrument :
BNA_F
ClientSampleId :
PB169827BL

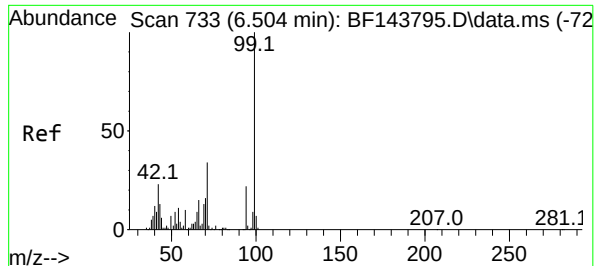
Tgt Ion:152 Resp: 181119
Ion Ratio Lower Upper
152 100
150 159.9 129.6 194.4
115 61.2 49.0 73.4



#5
2-Fluorophenol
Concen: 121.147 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

Tgt Ion:112 Resp: 1350528
Ion Ratio Lower Upper
112 100
64 78.5 63.0 94.4
63 41.8 32.6 49.0

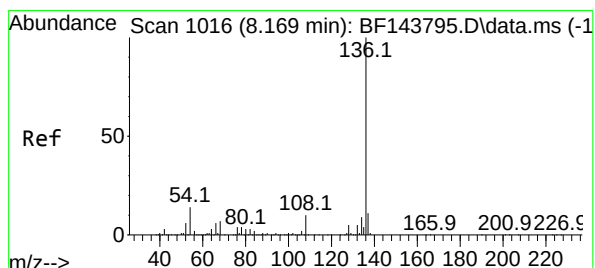
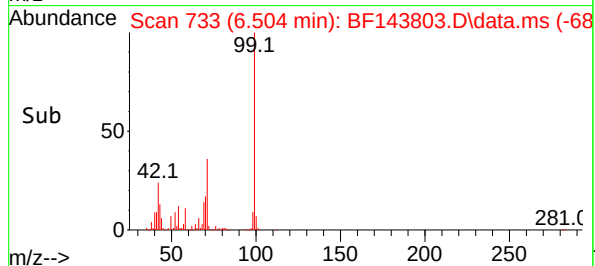
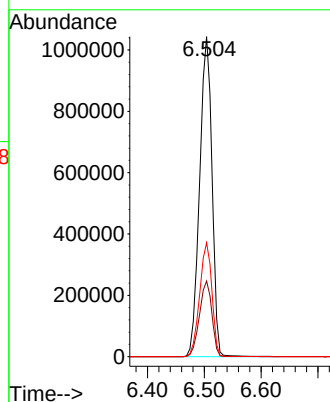
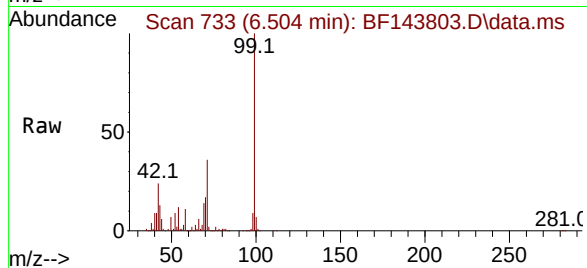




#7
Phenol-d6
Concen: 122.899 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

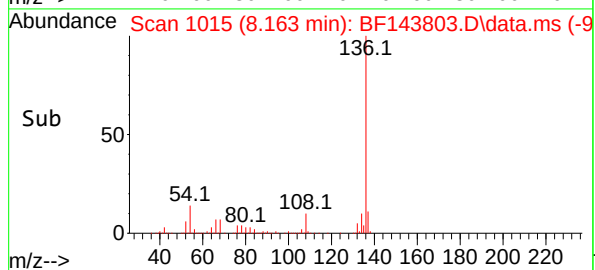
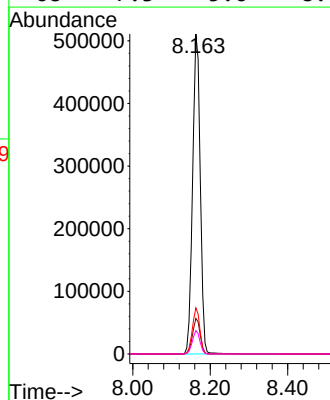
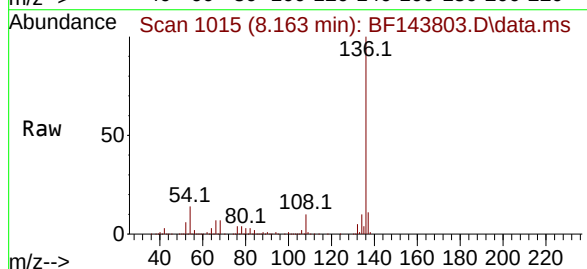
Instrument :
BNA_F
ClientSampleId :
PB169827BL

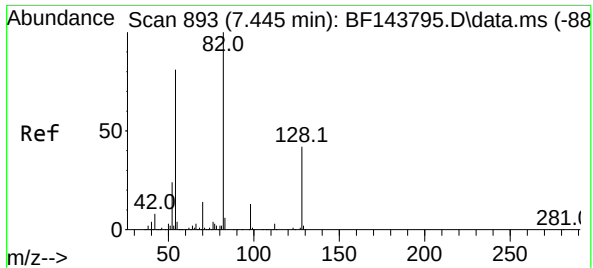
Tgt Ion: 99 Resp: 1583008
Ion Ratio Lower Upper
99 100
42 23.7 18.6 28.0
71 35.6 27.0 40.4



#21
Naphthalene-d8
Concen: 40.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

Tgt Ion: 136 Resp: 699988
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 14.4 11.2 16.8
68 7.3 5.6 8.4





#23

Nitrobenzene-d5

Concen: 92.500 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF143803.D

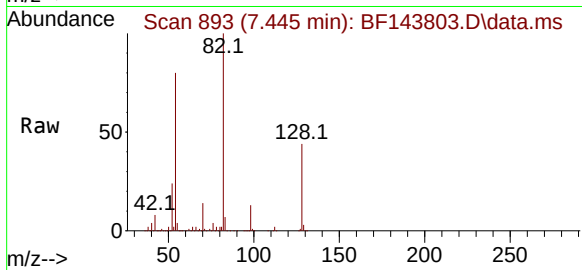
Acq: 25 Sep 2025 13:46

Instrument :

BNA_F

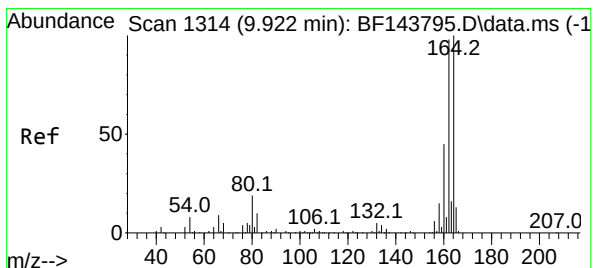
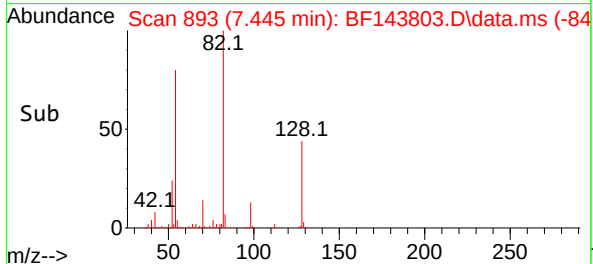
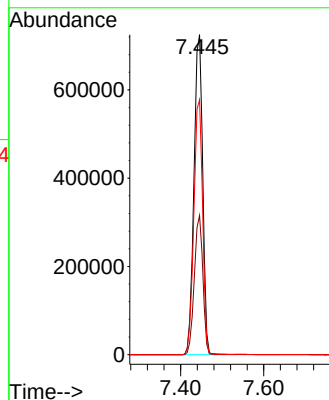
ClientSampleId :

PB169827BL



Tgt Ion: 82 Resp: 1057786

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.3	49.9
54	79.6	64.2	96.4



#39

Acenaphthene-d10

Concen: 40.000 ng

RT: 9.922 min Scan# 1314

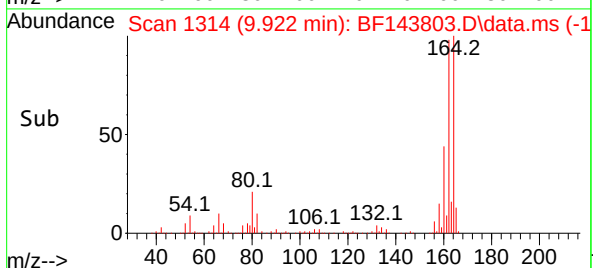
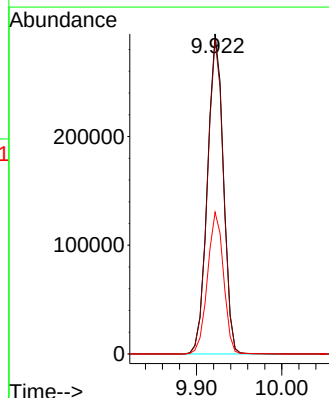
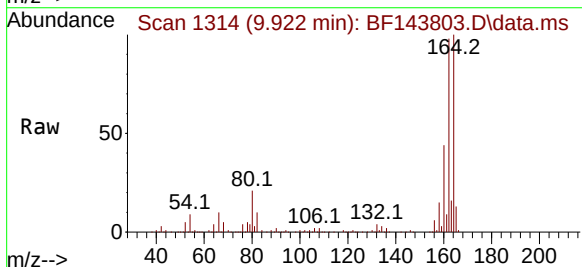
Delta R.T. -0.006 min

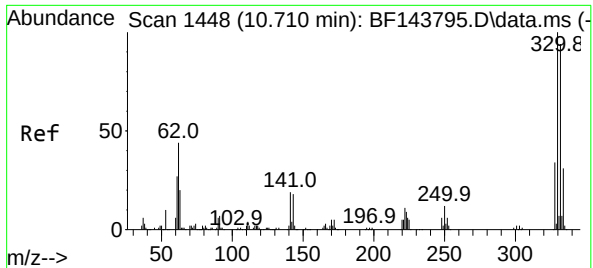
Lab File: BF143803.D

Acq: 25 Sep 2025 13:46

Tgt Ion: 164 Resp: 382723

Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.8	118.2
160	44.3	35.8	53.6

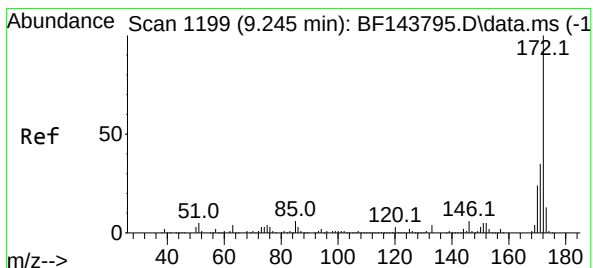
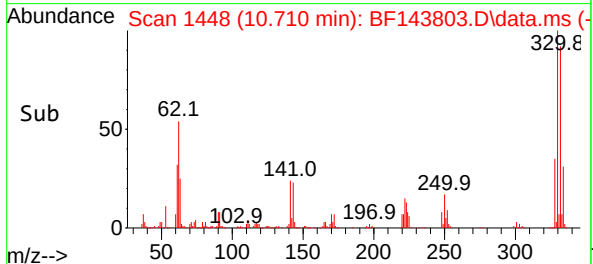
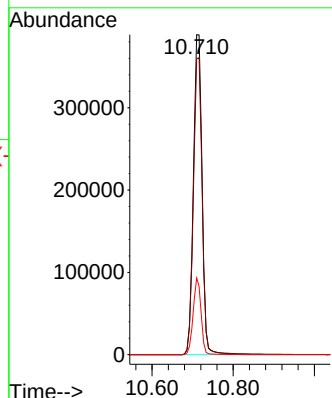
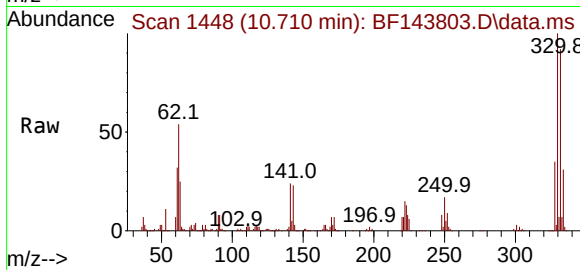




#42
2,4,6-Tribromophenol
Concen: 102.709 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

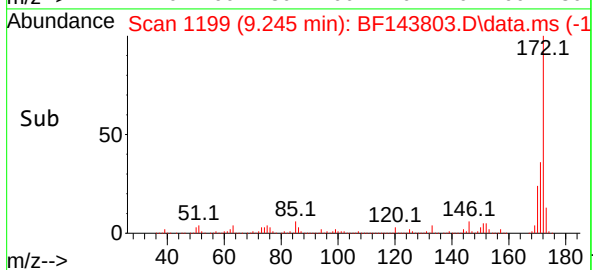
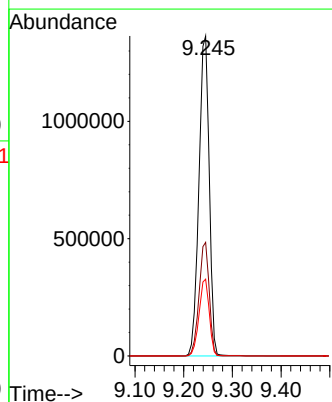
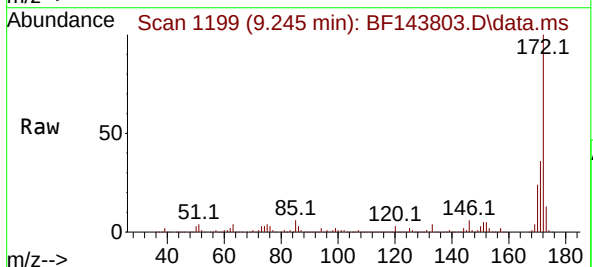
Instrument :
BNA_F
ClientSampleId :
PB169827BL

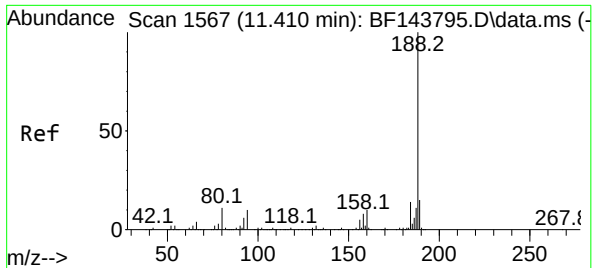
Tgt Ion:330 Resp: 582036
Ion Ratio Lower Upper
330 100
332 93.1 74.7 112.1
141 21.7 14.3 21.5#



#45
2-Fluorobiphenyl
Concen: 82.340 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

Tgt Ion:172 Resp: 2019445
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 24.0 19.1 28.7

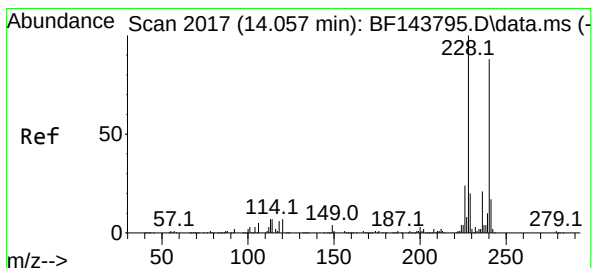
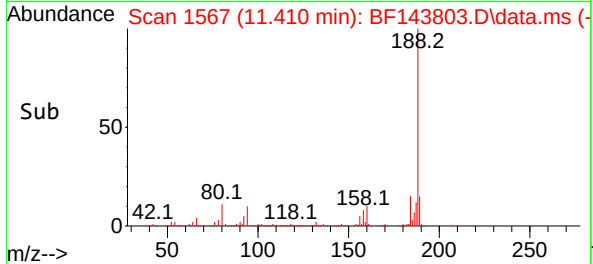
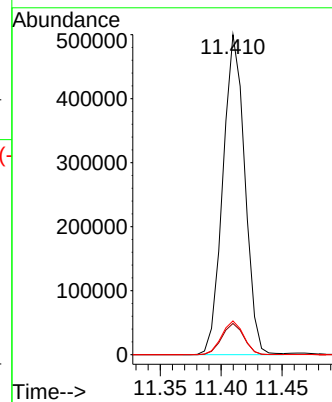
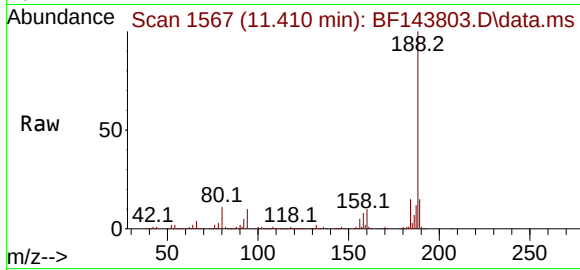




#64
Phenanthrene-d10
Concen: 40.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

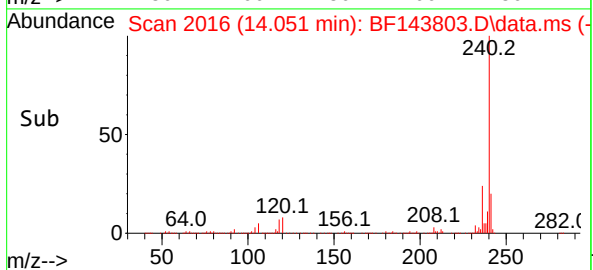
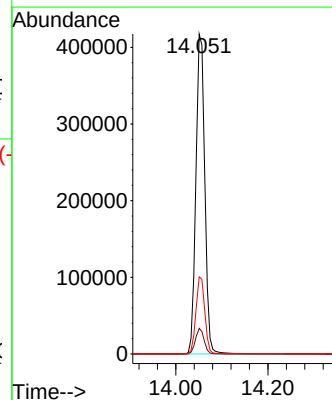
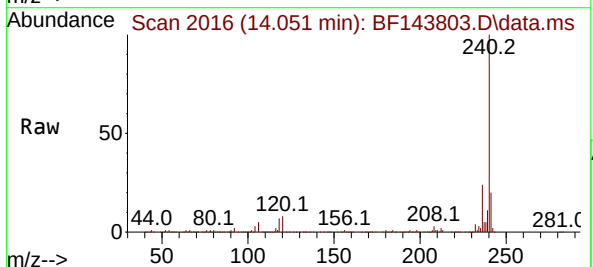
Instrument :
BNA_F
ClientSampleId :
PB169827BL

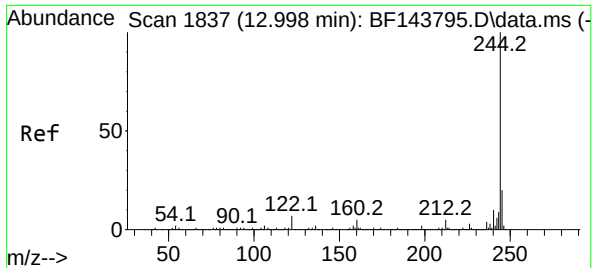
Tgt Ion:188 Resp: 628340
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.2
80 10.5 8.6 12.8



#76
Chrysene-d12
Concen: 40.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

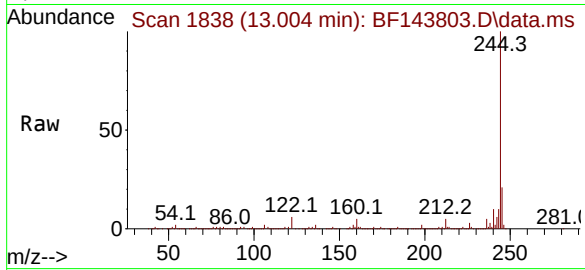
Tgt Ion:240 Resp: 557779
Ion Ratio Lower Upper
240 100
120 8.0 6.2 9.4
236 24.1 19.4 29.2



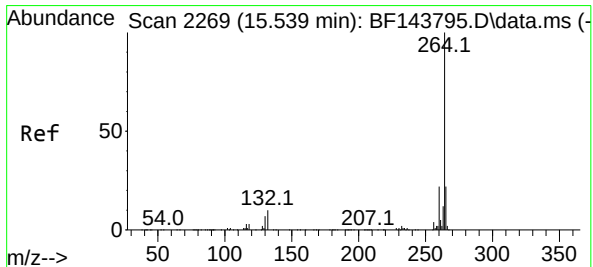
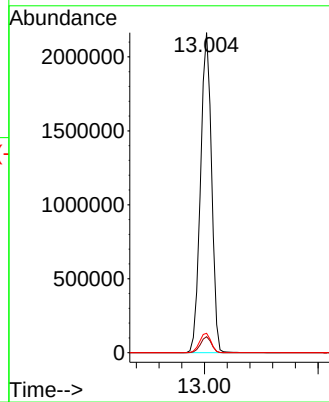
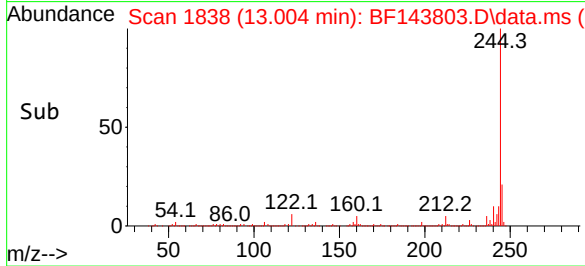


#79
Terphenyl-d14
Concen: 106.537 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.000 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

Instrument :
BNA_F
ClientSampleId :
PB169827BL

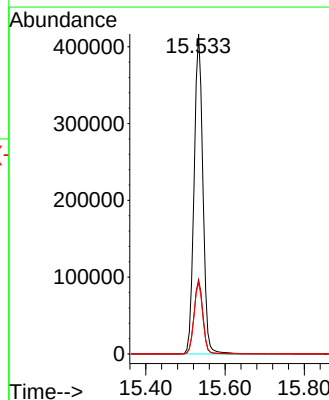
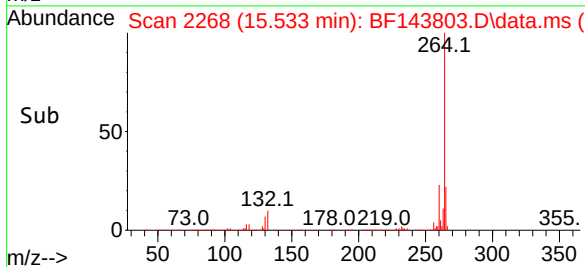
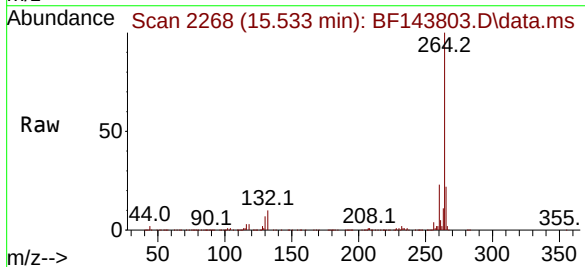


Tgt Ion:244 Resp: 2921898
Ion Ratio Lower Upper
244 100
212 5.0 3.9 5.9
122 6.0 5.6 8.4



#86
Perylene-d12
Concen: 40.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143803.D
Acq: 25 Sep 2025 13:46

Tgt Ion:264 Resp: 642668
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 22.3 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143803.D
 Acq On : 25 Sep 2025 13:46
 Operator : RC/JU
 Sample : PB169827BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 PB169827BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143803.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.240	3	8	18	rVB	92986	154508	2.29%	0.378%
2	2.346	18	26	34	rVB	93722	150611	2.23%	0.368%
3	5.122	488	498	512	rBV	536898	914544	13.56%	2.235%
4	5.510	557	564	569	rBV	3659379	5419125	80.33%	13.241%
5	6.504	726	733	738	rBV	3364653	5065556	75.09%	12.377%
6	6.887	792	798	803	rVB	883539	1143175	16.95%	2.793%
7	7.445	886	893	898	rBV	2423911	3519525	52.17%	8.600%
8	8.163	1009	1015	1022	rBV	1104868	1493847	22.14%	3.650%
9	9.245	1191	1199	1204	rBV	3921693	5807622	86.09%	14.190%
10	9.922	1308	1314	1319	rBV	1246871	1619327	24.00%	3.957%
11	10.710	1442	1448	1468	rBV	2744028	3863816	57.27%	9.441%
12	11.410	1562	1567	1574	rBV	1240095	1557563	23.09%	3.806%
13	13.004	1831	1838	1843	rBV	5007092	6746244	100.00%	16.484%
14	14.051	2011	2016	2031	rVB	998820	1336379	19.81%	3.265%
15	15.533	2261	2268	2281	rBV	936413	1501781	22.26%	3.669%
16	16.015	2345	2350	2363	rVB	41444	74774	1.11%	0.183%
17	16.539	2433	2439	2449	rVB	42194	88356	1.31%	0.216%
18	17.151	2536	2543	2546	rBV	33332	77951	1.16%	0.190%
19	17.215	2547	2554	2577	rVB2	93153	391494	5.80%	0.957%

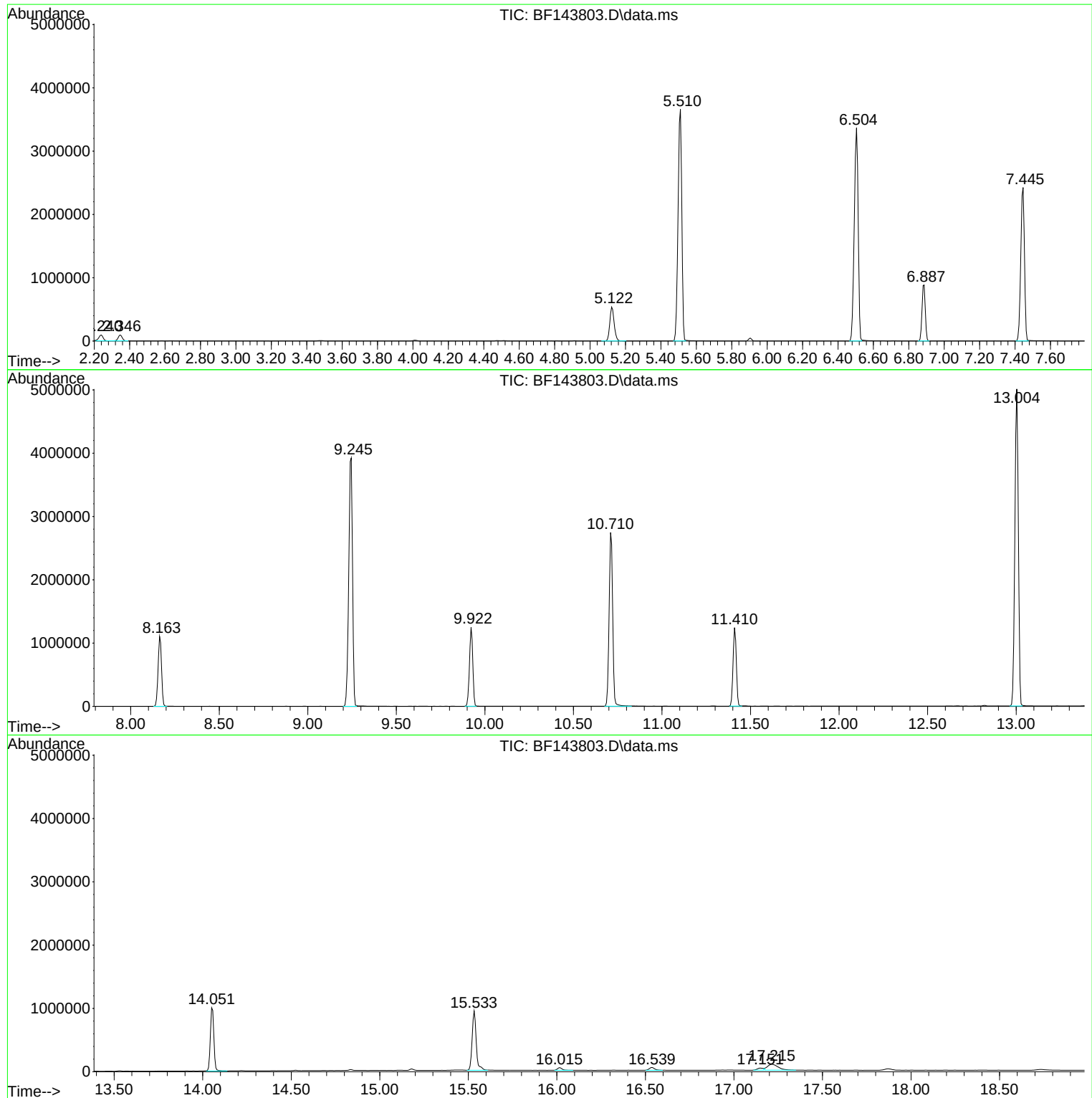
Sum of corrected areas: 40926198

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143803.D
Acq On : 25 Sep 2025 13:46
Operator : RC/JU
Sample : PB169827BL
Misc :
ALS Vial : 3 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
PB169827BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.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\BF092525\
Data File : BF143803.D
Acq On : 25 Sep 2025 13:46
Operator : RC/JU
Sample : PB169827BL
Misc :
ALS Vial : 3 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
PB169827BL

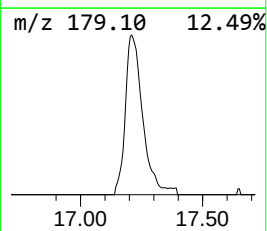
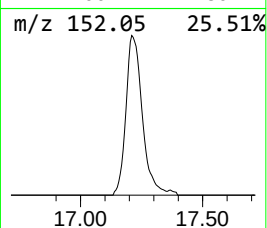
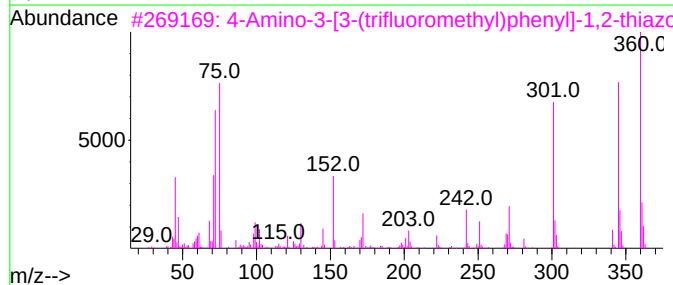
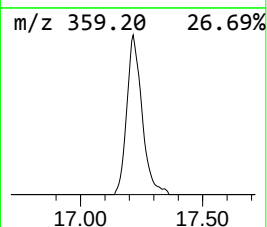
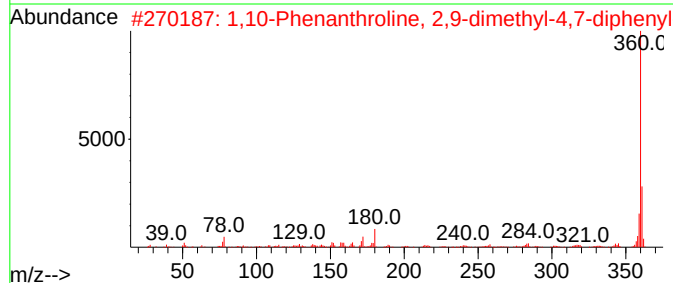
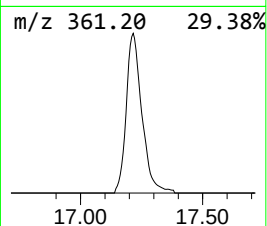
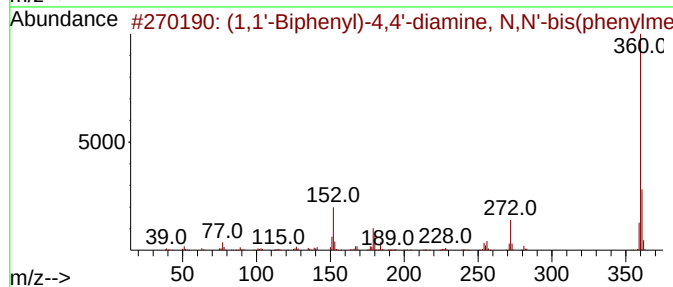
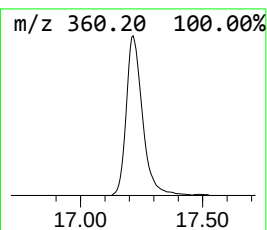
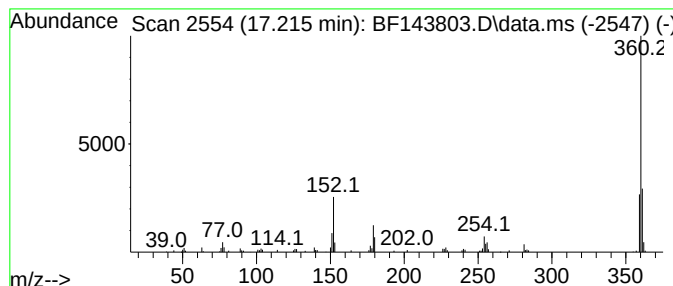
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.215	10.43 ng	391494	Perylene-d12	15.533

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	97
2		1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	58
3		4-Amino-3-[3-(trifluoromethyl)ph...	360	C14H15F3N2O2SSi	1010500-98-0	53
4		1,3,2-Dioxaborolane, bis(spiro[4...	360	C20H13B06	1000150-23-7	53
5		Pentacyclo[18.4.1.1(2,7).1(8,13)...	360	C28H24	101077-60-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
Data File : BF143803.D
Acq On : 25 Sep 2025 13:46
Operator : RC/JU
Sample : PB169827BL
Misc :
ALS Vial : 3 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
PB169827BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(1,1'-Biphenyl)...	17.215	10.4	ng	391494	6	15.533	1501780	20.0

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169827BS	SDG No.:	Q3178
Lab Sample ID:	PB169827BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143804.D	1	09/25/25 09:25	09/25/25 14:16	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	400		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1400		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1400		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1400		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	910		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	170	ug/Kg
105-60-2	Caprolactam	1700		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1700		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169827BS	SDG No.:	Q3178
Lab Sample ID:	PB169827BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143804.D	1	09/25/25 09:25	09/25/25 14:16	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1200		46.0	170	ug/Kg
83-32-9	Acenaphthene	1500		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1400		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		26.7	170	ug/Kg
86-73-7	Fluorene	1400		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1600		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	170	ug/Kg
1912-24-9	Atrazine	1600		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1400		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1400		30.0	170	ug/Kg
129-00-0	Pyrene	1600		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		19.0	170	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	
Project:	RFP 916	Date Received:	
Client Sample ID:	PB169827BS	SDG No.:	Q3178
Lab Sample ID:	PB169827BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143804.D	1	09/25/25 09:25	09/25/25 14:16	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111		18 - 112	74%	SPK: 150
13127-88-3	Phenol-d6	113		15 - 107	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.3		18 - 107	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.8		20 - 109	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	110		10 - 116	73%	SPK: 150
1718-51-0	Terphenyl-d14	92.4		10 - 105	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	155000	6.886			
1146-65-2	Naphthalene-d8	586000	8.169			
15067-26-2	Acenaphthene-d10	295000	9.927			
1517-22-2	Phenanthrene-d10	455000	11.416			
1719-03-5	Chrysene-d12	452000	14.057			
1520-96-3	Perylene-d12	566000	15.533			

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\BF092525\
 Data File : BF143804.D
 Acq On : 25 Sep 2025 14:16
 Operator : RC/JU
 Sample : PB169827BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169827BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/26/2025
 Supervised By :Jagrut Upadhyay 09/26/2025

Quant Time: Sep 25 14:57:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	154944	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	586166	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	295245	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	455131	20.000	ng	0.00
76) Chrysene-d12	14.057	240	452412	20.000	ng	0.00
86) Perylene-d12	15.533	264	566269	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1062005	111.359	ng	0.01
7) Phenol-d6	6.510	99	1250023	113.441	ng	0.00
23) Nitrobenzene-d5	7.445	82	806781	84.250	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	479746	109.742	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1528950	80.812	ng	0.00
79) Terphenyl-d14	12.998	244	2056205	92.433	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	165532	36.264	ng	100
3) Pyridine	3.493	79	455308	36.952	ng	99
4) n-Nitrosodimethylamine	3.446	42	277819	44.967	ng	95
6) Aniline	6.545	93	516079	32.269	ng	99
8) 2-Chlorophenol	6.669	128	417322	42.745	ng	99
9) Benzaldehyde	6.434	77	115635	11.983	ng	98
10) Phenol	6.522	94	532940m	41.610	ng	
11) bis(2-Chloroethyl)ether	6.622	93	435170	43.344	ng	99
12) 1,3-Dichlorobenzene	6.828	146	479427	42.294	ng	100
13) 1,4-Dichlorobenzene	6.904	146	482234	42.628	ng	99
14) 1,2-Dichlorobenzene	7.057	146	466826	43.571	ng	100
15) Benzyl Alcohol	7.022	79	370645	46.552	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1020007	42.844	ng	99
17) 2-Methylphenol	7.134	107	333152	44.076	ng	99
18) Hexachloroethane	7.398	117	169392	42.578	ng	98
19) n-Nitroso-di-n-propyla...	7.298	70	314780	44.424	ng	98
20) 3+4-Methylphenols	7.281	107	390864	42.463	ng	96
22) Acetophenone	7.292	105	555882	43.177	ng	98
24) Nitrobenzene	7.469	77	455128	42.879	ng	97
25) Isophorone	7.704	82	851108	45.610	ng	100
26) 2-Nitrophenol	7.781	139	194232	44.766	ng	98
27) 2,4-Dimethylphenol	7.816	122	389964	46.755	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	520514	42.933	ng	99
29) 2,4-Dichlorophenol	8.022	162	350565	42.716	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	383033	44.973	ng	100
31) Naphthalene	8.192	128	1162906	41.443	ng	100
32) Benzoic acid	7.916	122	210549m	52.321	ng	
33) 4-Chloroaniline	8.233	127	270444	27.426	ng	99
34) Hexachlorobutadiene	8.310	225	275769	43.434	ng	99
35) Caprolactam	8.592	113	104193m	49.671	ng	
36) 4-Chloro-3-methylphenol	8.710	107	339654	44.128	ng	99
37) 2-Methylnaphthalene	8.880	142	694046	38.789	ng	100
38) 1-Methylnaphthalene	8.980	142	715322	41.768	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	368894	41.402	ng	99
41) Hexachlorocyclopentadiene	9.033	237	593049	105.022	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	254202	45.563	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143804.D
 Acq On : 25 Sep 2025 14:16
 Operator : RC/JU
 Sample : PB169827BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169827BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/26/2025
 Supervised By :Jagrut Upadhyay 09/26/2025

Quant Time: Sep 25 14:57:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	259825	44.524	ng	99
46) 1,1'-Biphenyl	9.345	154	913939	42.764	ng	99
47) 2-Chloronaphthalene	9.369	162	720777	41.897	ng	99
48) 2-Nitroaniline	9.463	65	258937	49.800	ng	99
49) Acenaphthylene	9.786	152	1127108	47.592	ng	100
50) Dimethylphthalate	9.645	163	813768	45.221	ng	100
51) 2,6-Dinitrotoluene	9.704	165	167208	56.554	ng	98
52) Acenaphthene	9.963	154	698991	44.850	ng	98
53) 3-Nitroaniline	9.875	138	128649	35.898	ng	100
54) 2,4-Dinitrophenol	9.980	184	123010	90.006	ng	# 24
55) Dibenzofuran	10.133	168	947951	43.014	ng	100
56) 4-Nitrophenol	10.027	139	269066	93.169	ng	93
57) 2,4-Dinitrotoluene	10.110	165	214946	48.920	ng	99
58) Fluorene	10.475	166	699412	42.689	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	262852	52.578	ng	97
60) Diethylphthalate	10.345	149	767269	45.548	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	360668	43.204	ng	97
62) 4-Nitroaniline	10.486	138	164334	48.768	ng	100
63) Azobenzene	10.627	77	797009	44.894	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	87321	51.358	ng	92
66) n-Nitrosodiphenylamine	10.586	169	671478	44.861	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	364447	46.988	ng	99
68) Hexachlorobenzene	11.022	284	491991	46.029	ng	99
69) Atrazine	11.110	200	203198	46.880	ng	98
70) Pentachlorophenol	11.216	266	517265	97.219	ng	99
71) Phenanthrene	11.439	178	1015112	43.443	ng	99
72) Anthracene	11.492	178	1029676	43.931	ng	99
73) Carbazole	11.645	167	894842	43.666	ng	99
74) Di-n-butylphthalate	11.974	149	1105559	46.909	ng	100
75) Fluoranthene	12.627	202	1022236	43.497	ng	99
77) Benzidine	12.751	184	299235	27.143	ng	99
78) Pyrene	12.857	202	1049427	47.181	ng	100
80) Butylbenzylphthalate	13.474	149	407004	52.890	ng	98
81) Benzo(a)anthracene	14.045	228	1048353	43.134	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	372315	35.360	ng	100
83) Chrysene	14.086	228	1015236	46.164	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	543078	48.147	ng	99
85) Di-n-octyl phthalate	14.651	149	957348	46.790	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	2058670	47.915	ng	100
88) Benzo(b)fluoranthene	15.104	252	1487418	51.580	ng	100
89) Benzo(k)fluoranthene	15.133	252	1396964	48.218	ng	100
90) Benzo(a)pyrene	15.474	252	1396443	51.517	ng	100
91) Dibenzo(a,h)anthracene	17.051	278	1728792	49.195	ng	99
92) Benzo(g,h,i)perylene	17.486	276	1694904	50.033	ng	100

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

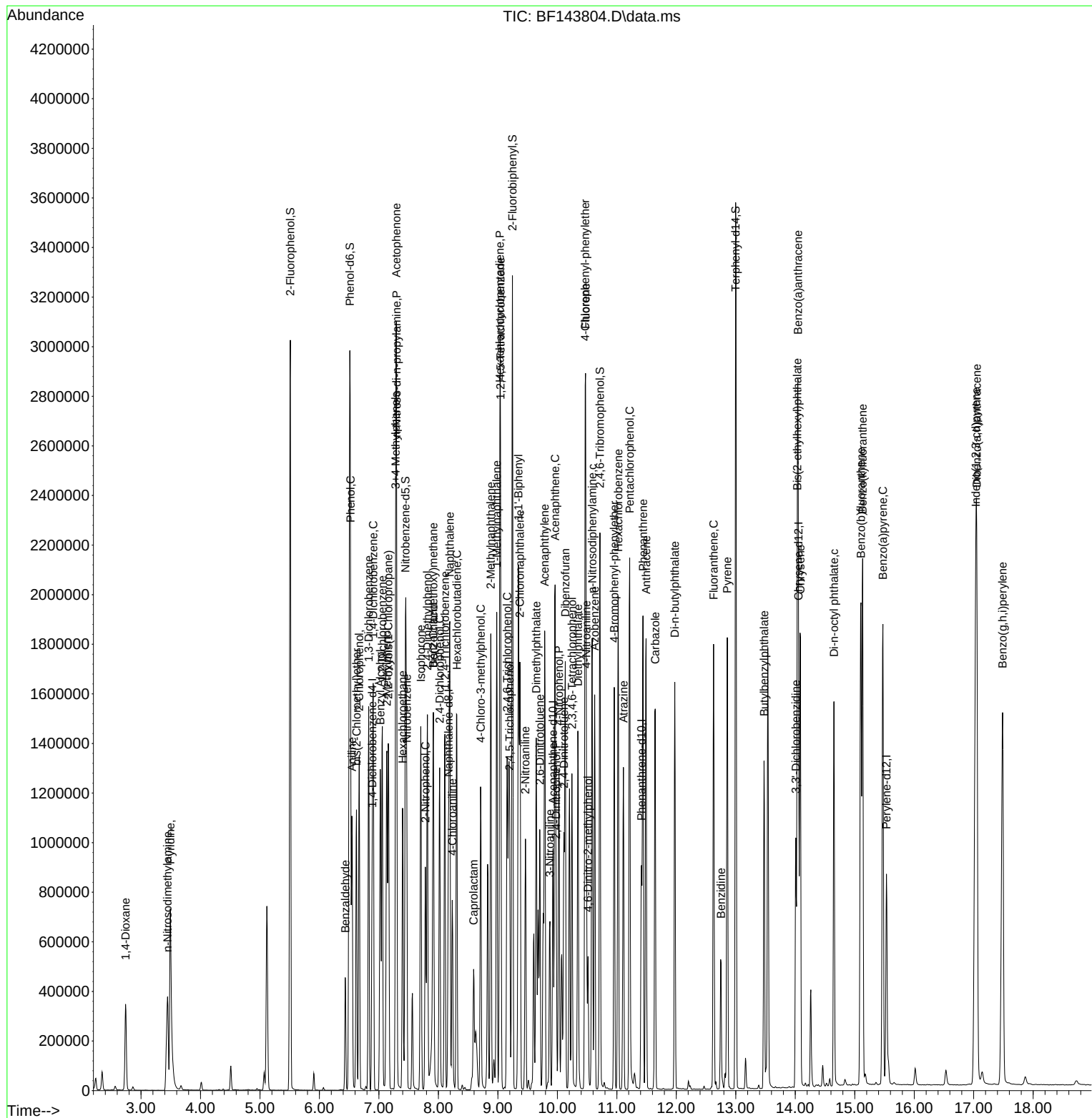
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Data File : BF143804.D  
Acq On    : 25 Sep 2025  14:16  
Operator  : RC/JU  
Sample    : PB169827BS  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
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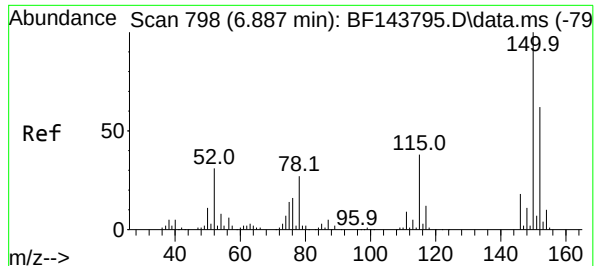
Instrument :
BNA_F
ClientSampleId :
PB169827BS

Manual Integrations

Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

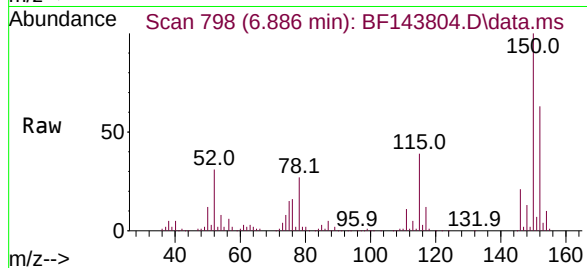
Quant Time: Sep 25 14:57:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF143804.D
 Acq: 25 Sep 2025 14:16

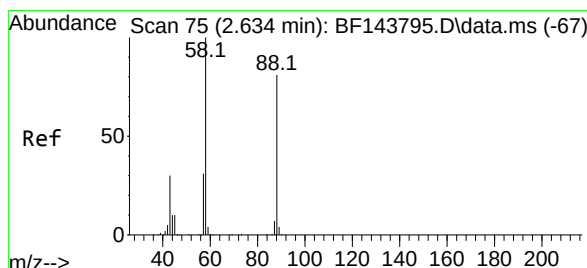
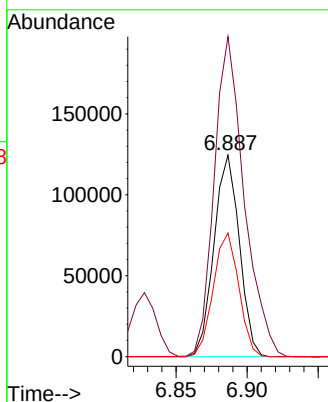
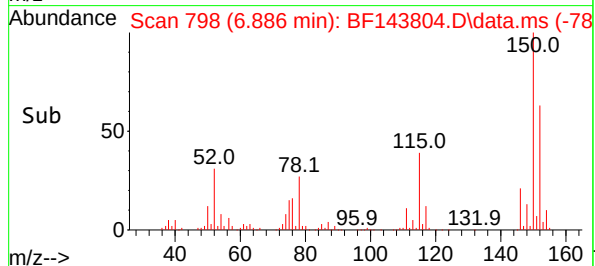
Instrument :
 BNA_F
 ClientSampleId :
 PB169827BS



Tgt Ion: 152 Resp: 154944
 Ion Ratio Lower Upper
 152 100
 150 158.9 129.6 194.4
 115 61.4 49.0 73.4

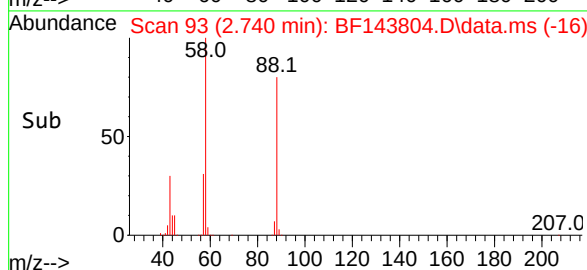
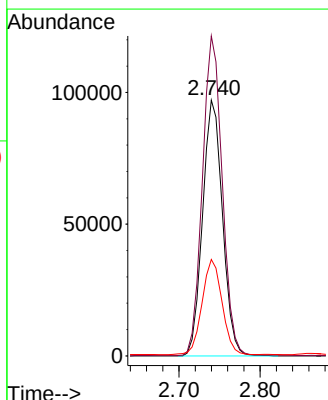
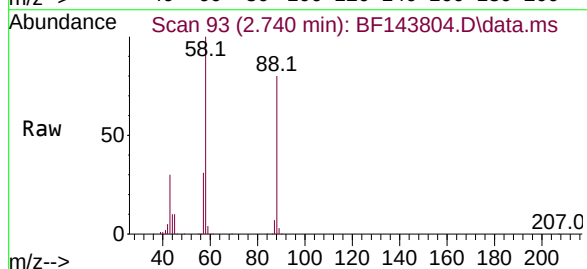
Manual Integrations
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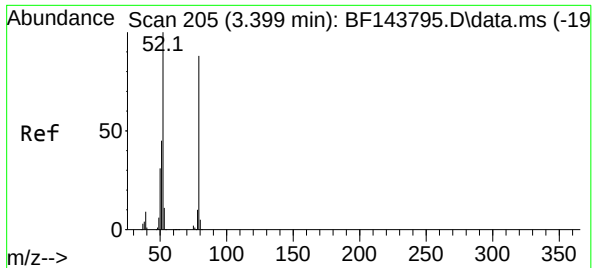
Reviewed By :Rahul Chavli 09/26/2025
 Supervised By :Jagrut Upadhyay 09/26/2025



#2
 1,4-Dioxane
 Concen: 36.264 ng
 RT: 2.740 min Scan# 93
 Delta R.T. 0.106 min
 Lab File: BF143804.D
 Acq: 25 Sep 2025 14:16

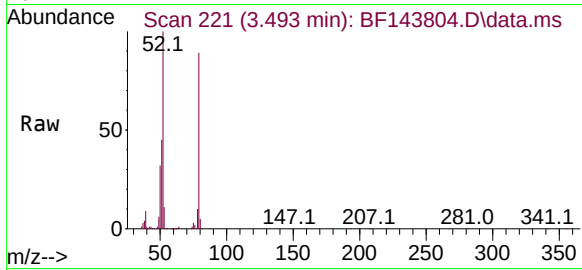
Tgt Ion: 88 Resp: 165532
 Ion Ratio Lower Upper
 88 100
 58 124.1 99.4 149.2
 43 37.3 30.6 45.8





#3
Pyridine
Concen: 36.952 ng
RT: 3.493 min Scan# 211
Delta R.T. 0.094 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

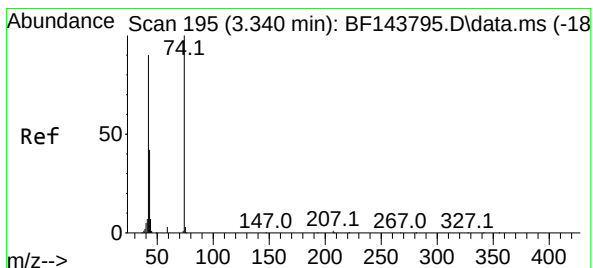
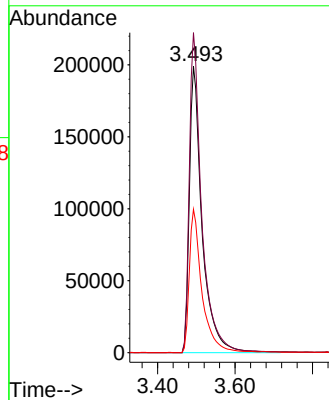
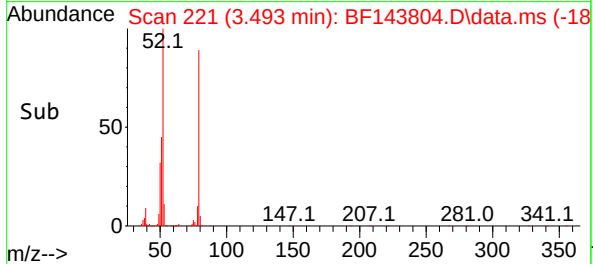
Instrument :
BNA_F
ClientSampleId :
PB169827BS



Tgt Ion: 79 Resp: 455308
Ion Ratio Lower Upper
79 100
52 111.7 90.5 135.7
51 50.0 40.6 61.0

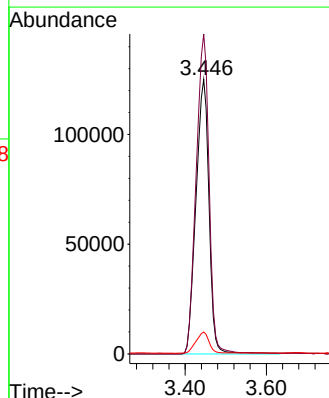
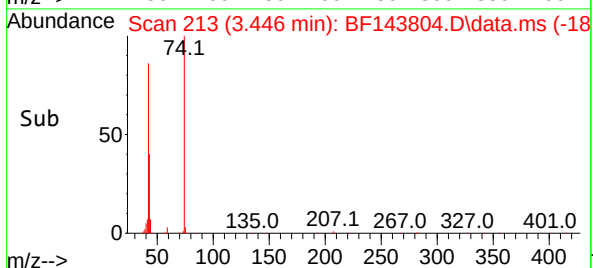
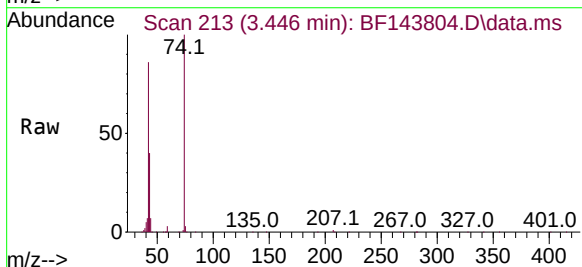
Manual Integrations
APPROVED

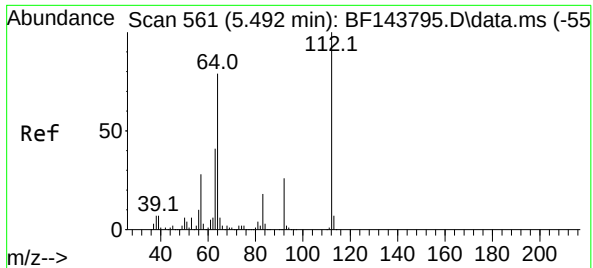
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#4
n-Nitrosodimethylamine
Concen: 44.967 ng
RT: 3.446 min Scan# 213
Delta R.T. 0.088 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

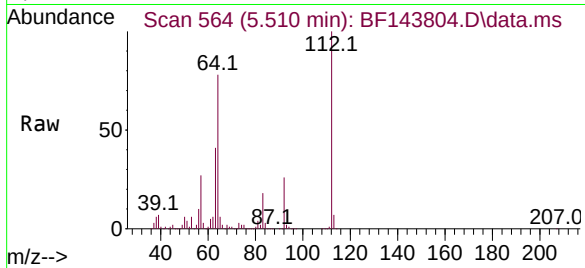
Tgt Ion: 42 Resp: 277819
Ion Ratio Lower Upper
42 100
74 116.6 89.1 133.7
44 8.0 6.4 9.6





#5
2-Fluorophenol
Concen: 111.359 ng
RT: 5.510 min Scan# 561
Delta R.T. 0.012 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

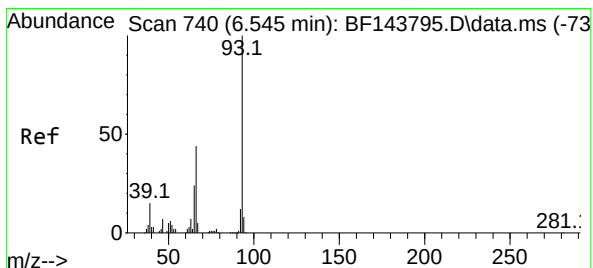
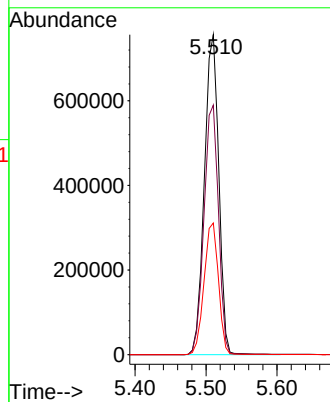
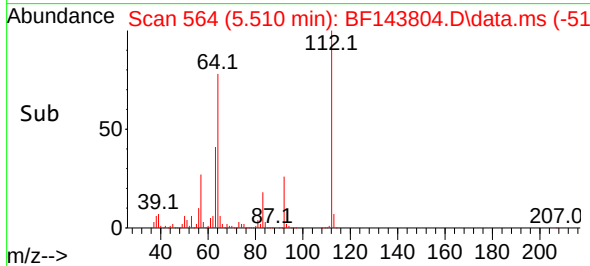
Instrument :
BNA_F
ClientSampleId :
PB169827BS



Tgt Ion: 112 Resp: 1062005
Ion Ratio Lower Upper
112 100
64 78.0 63.0 94.4
63 41.1 32.6 49.0

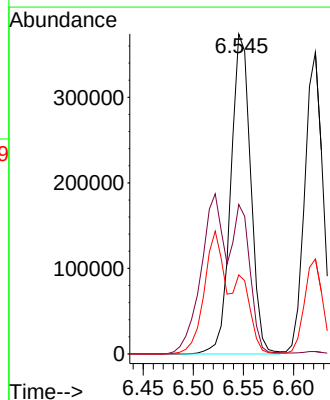
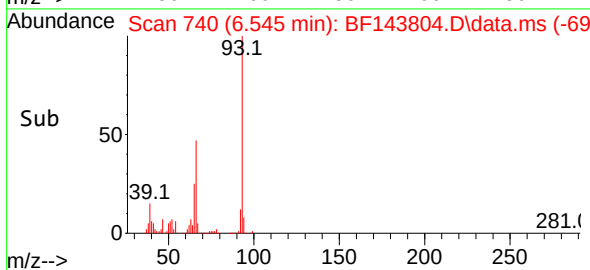
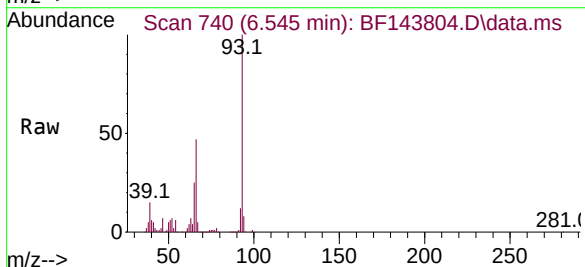
Manual Integrations
APPROVED

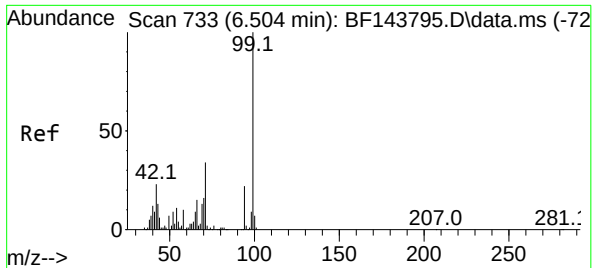
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#6
Aniline
Concen: 32.269 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

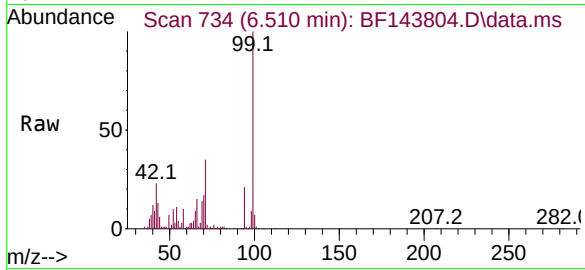
Tgt Ion: 93 Resp: 516079
Ion Ratio Lower Upper
93 100
66 46.7 37.1 55.7
65 24.7 19.4 29.0





#7
Phenol-d6
Concen: 113.441 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

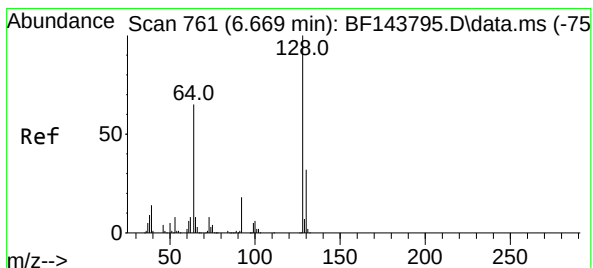
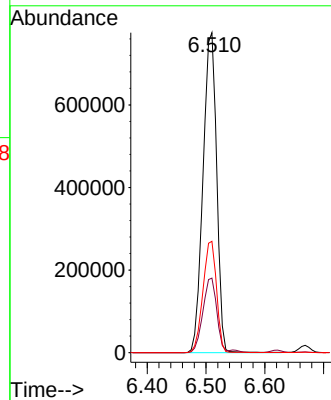
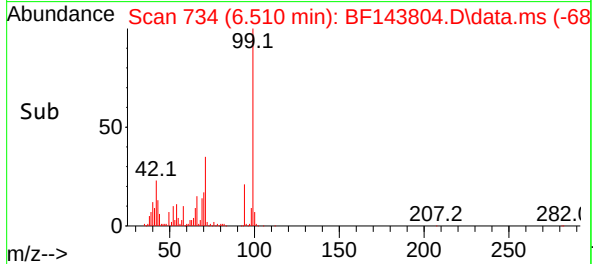
Instrument :
BNA_F
ClientSampleId :
PB169827BS



Tgt Ion: 99 Resp: 1250023
Ion Ratio Lower Upper
99 100
42 23.3 18.6 28.0
71 34.8 27.0 40.4

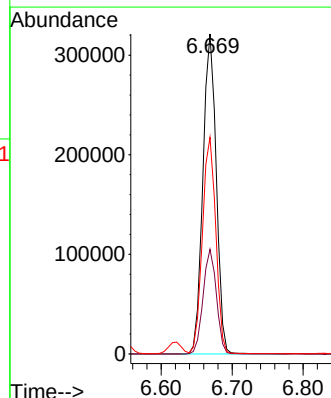
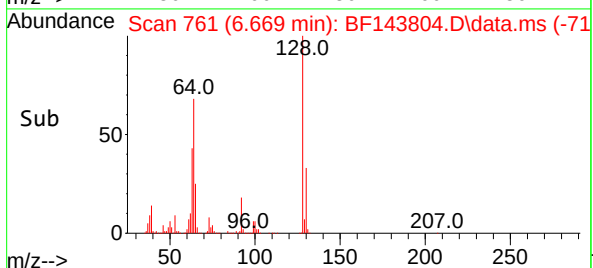
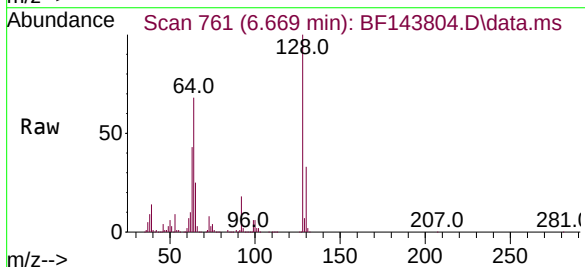
Manual Integrations
APPROVED

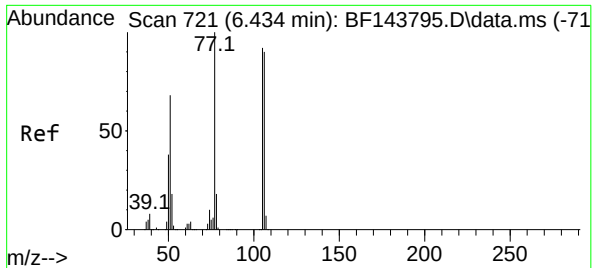
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#8
2-Chlorophenol
Concen: 42.745 ng
RT: 6.669 min Scan# 761
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

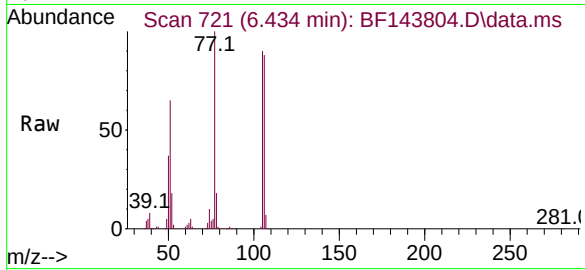
Tgt Ion:128 Resp: 417322
Ion Ratio Lower Upper
128 100
130 32.7 12.2 52.2
64 67.7 46.5 86.5





#9
Benzaldehyde
Concen: 11.983 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

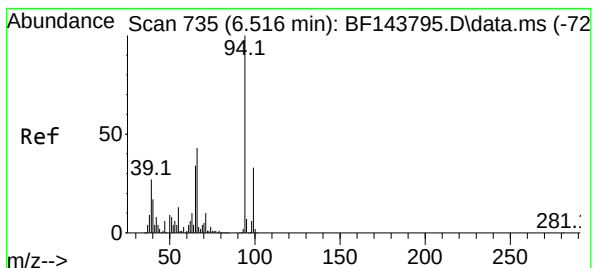
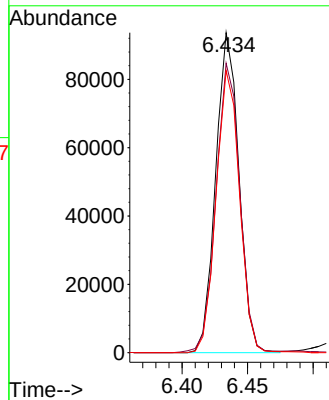
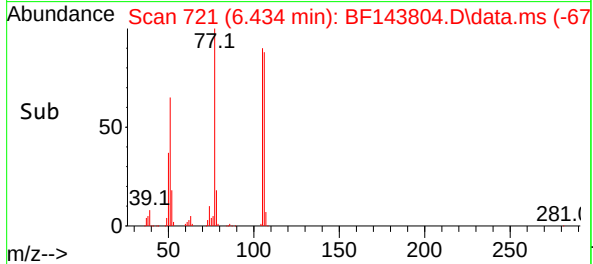
Instrument :
BNA_F
ClientSampleId :
PB169827BS



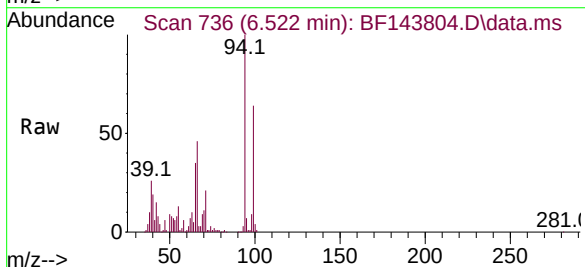
Tgt Ion: 77 Resp: 115635
Ion Ratio Lower Upper
77 100
105 90.4 71.8 111.8
106 88.1 69.8 109.8

Manual Integrations
APPROVED

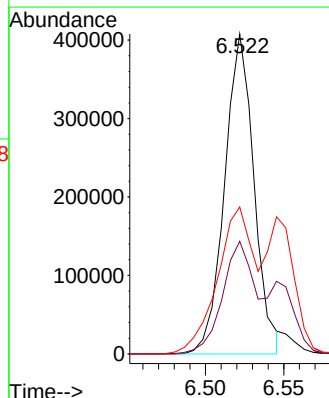
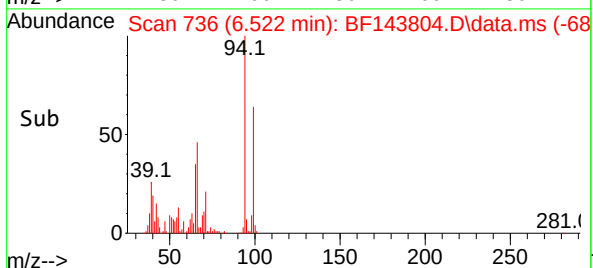
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

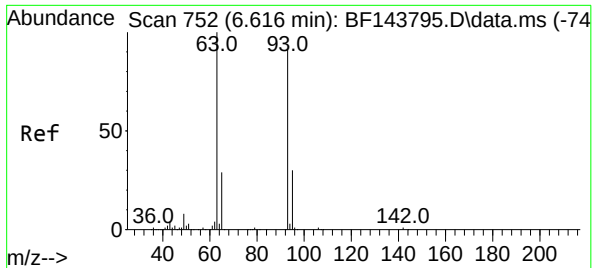


#10
Phenol
Concen: 41.610 ng m
RT: 6.522 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



Tgt Ion: 94 Resp: 532940
Ion Ratio Lower Upper
94 100
65 35.2 14.2 54.2
66 45.9 24.1 64.1





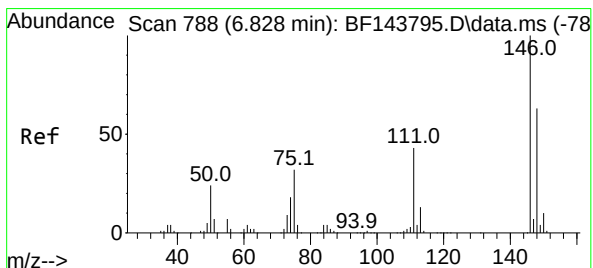
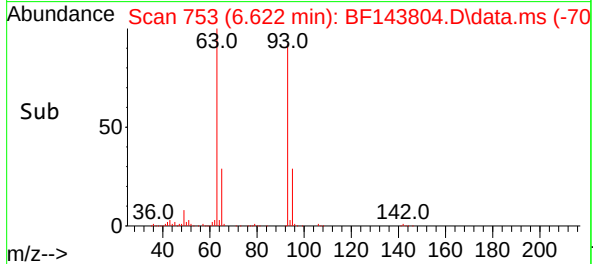
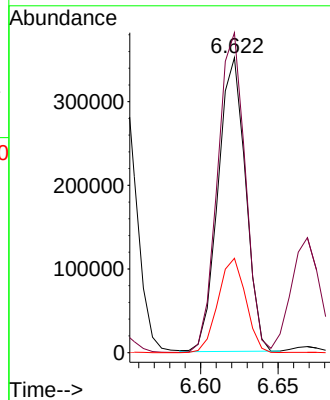
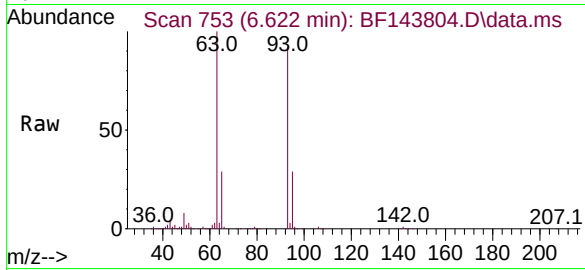
#11
bis(2-Chloroethyl)ether
Concen: 43.344 ng
RT: 6.622 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Instrument :
BNA_F
ClientSampleId :
PB169827BS

Tgt Ion: 93 Resp: 435176
Ion Ratio Lower Upper
93 100
63 108.5 89.2 129.2
95 32.0 12.9 52.9

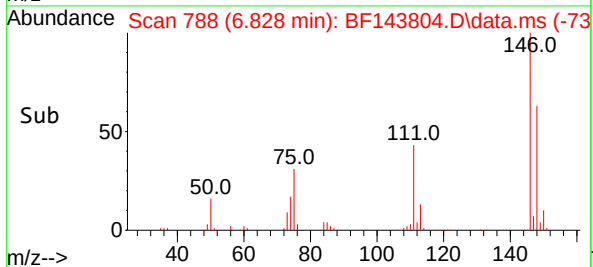
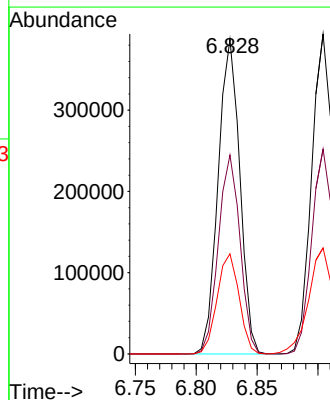
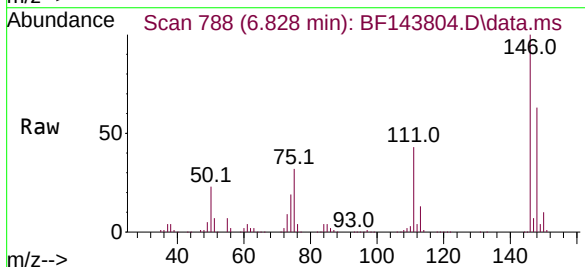
Manual Integrations
APPROVED

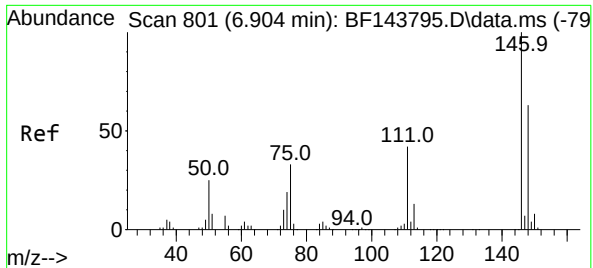
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#12
1,3-Dichlorobenzene
Concen: 42.294 ng
RT: 6.828 min Scan# 788
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Tgt Ion:146 Resp: 479427
Ion Ratio Lower Upper
146 100
148 63.2 50.4 75.6
75 31.8 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 42.628 ng

RT: 6.904 min Scan# 801

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:146 Resp: 482234

Ion Ratio Lower Upper

146 100

148 64.0 50.7 76.1

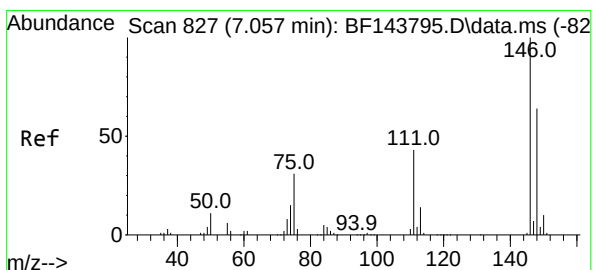
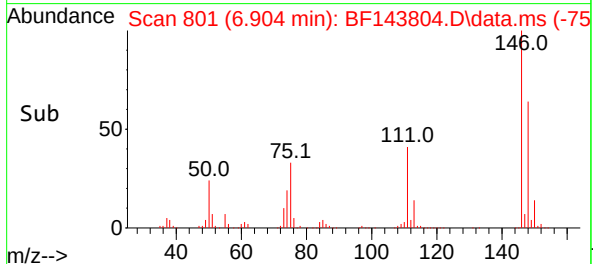
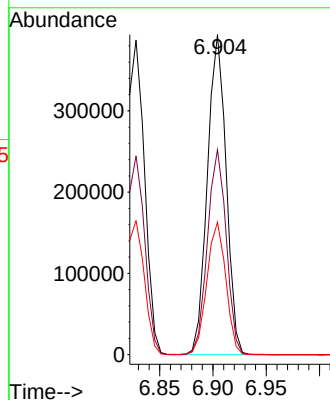
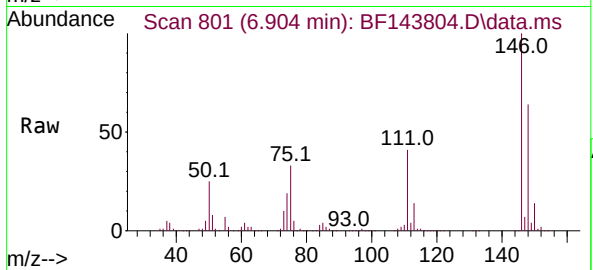
111 41.4 33.4 50.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#14

1,2-Dichlorobenzene

Concen: 43.571 ng

RT: 7.057 min Scan# 827

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

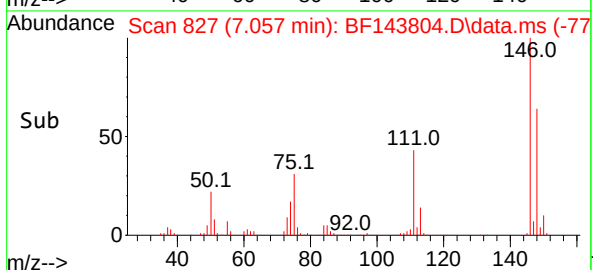
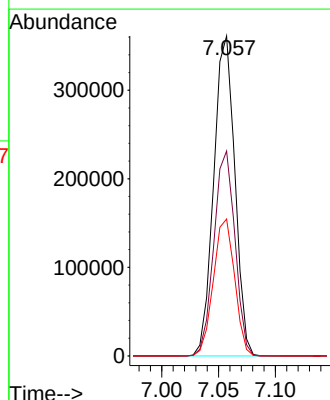
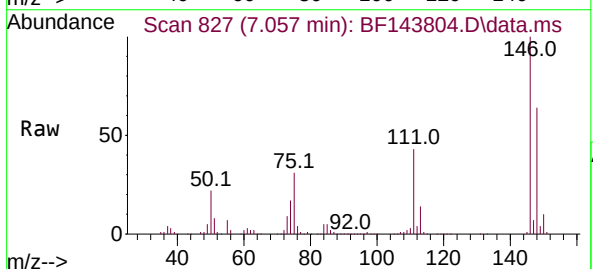
Tgt Ion:146 Resp: 466826

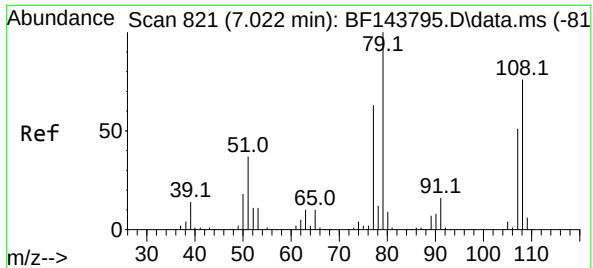
Ion Ratio Lower Upper

146 100

148 64.0 51.1 76.7

111 42.8 34.3 51.5





#15

Benzyl Alcohol

Concen: 46.552 ng

RT: 7.022 min Scan# 821

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion: 79 Resp: 370645

Ion Ratio Lower Upper

79 100

108 74.8 60.5 90.7

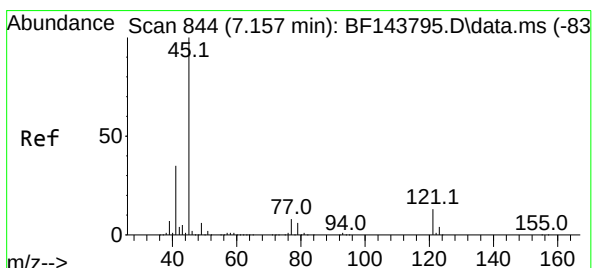
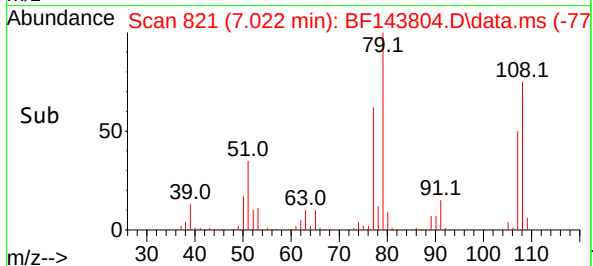
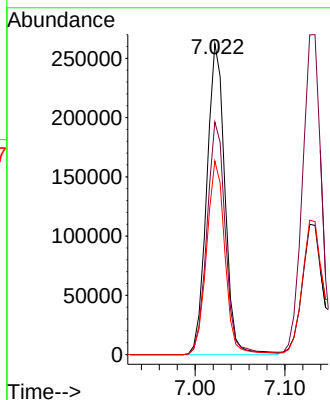
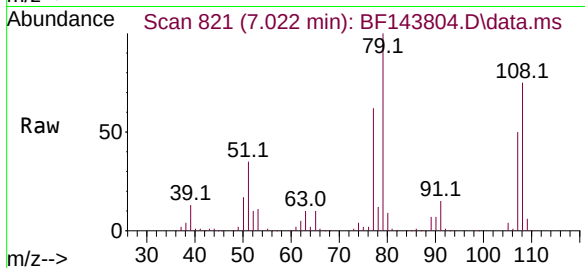
77 62.3 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.844 ng

RT: 7.157 min Scan# 844

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

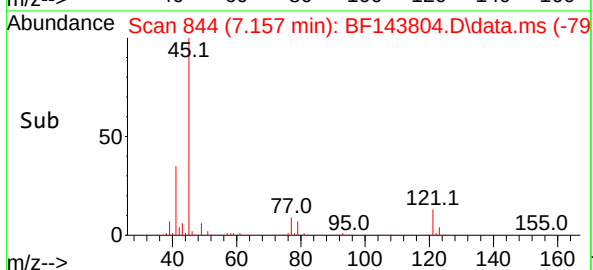
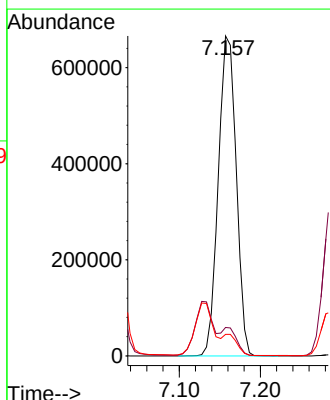
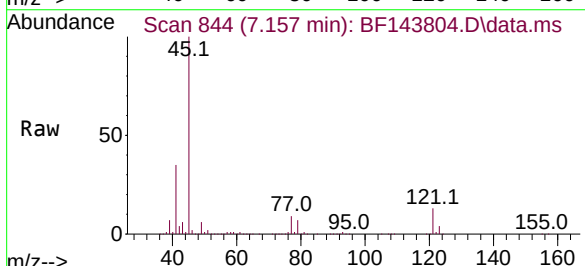
Tgt Ion: 45 Resp: 1020007

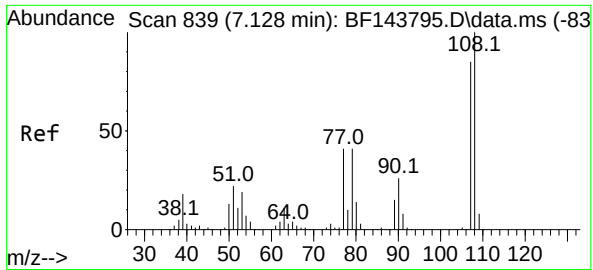
Ion Ratio Lower Upper

45 100

77 8.9 0.0 28.5

79 6.7 0.0 26.3





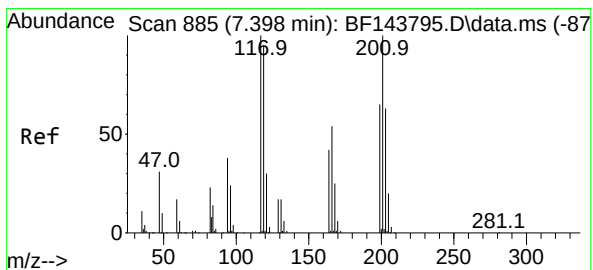
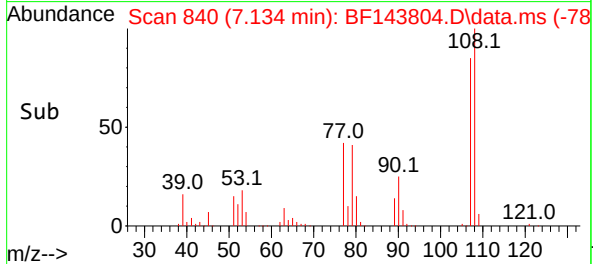
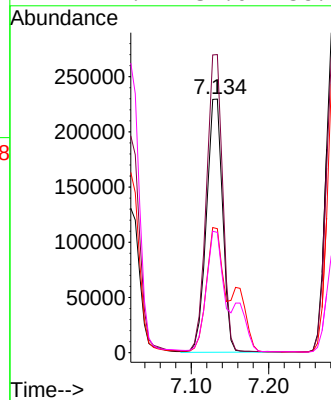
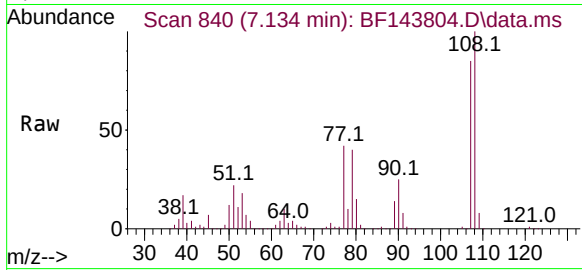
#17
2-Methylphenol
Concen: 44.076 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Instrument :
BNA_F
ClientSampleId :
PB169827BS

Tgt Ion:107 Resp: 333152
Ion Ratio Lower Upper
107 100
108 117.6 94.2 141.4
77 48.9 38.6 58.0
79 47.4 39.0 58.4

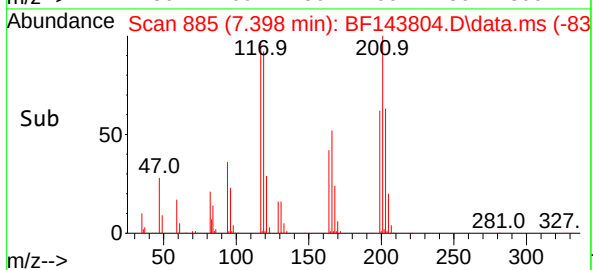
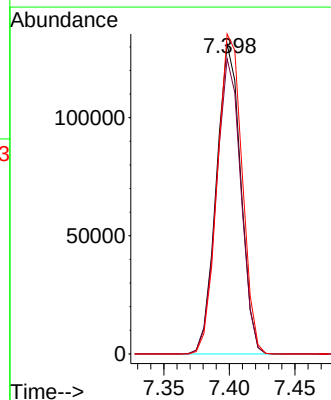
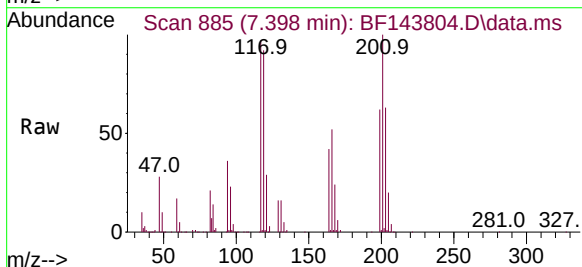
Manual Integrations
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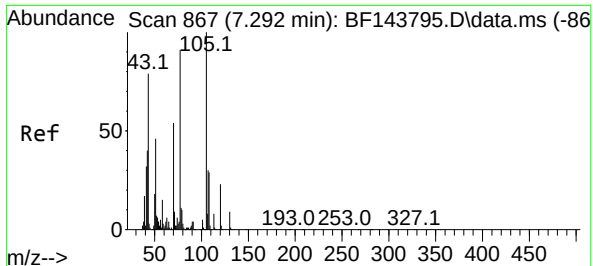
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#18
Hexachloroethane
Concen: 42.578 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Tgt Ion:117 Resp: 169392
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2
201 103.3 79.7 119.5





#19

n-Nitroso-di-n-propylamine

Concen: 44.424 ng

RT: 7.298 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF143804.D

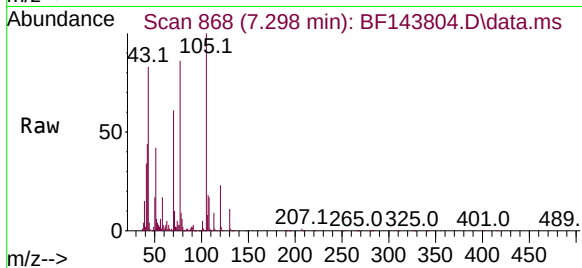
Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS



Tgt Ion: 70 Resp: 314780

Ion Ratio Lower Upper

70 100

42 71.9 59.4 89.0

101 8.8 7.1 10.7

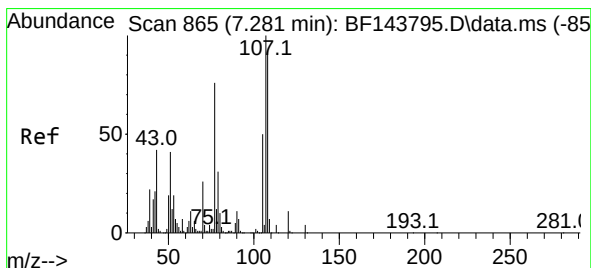
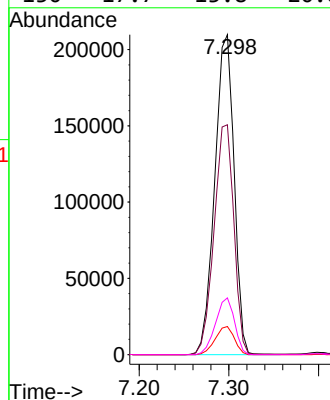
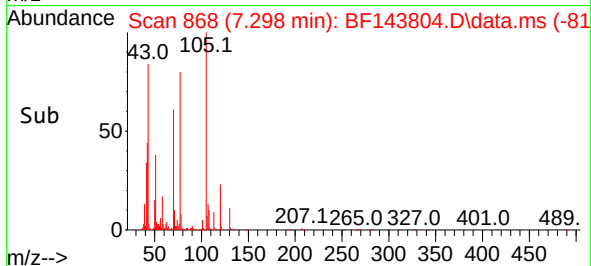
130 17.7 13.8 20.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#20

3+4-Methylphenols

Concen: 42.463 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Tgt Ion:107 Resp: 390864

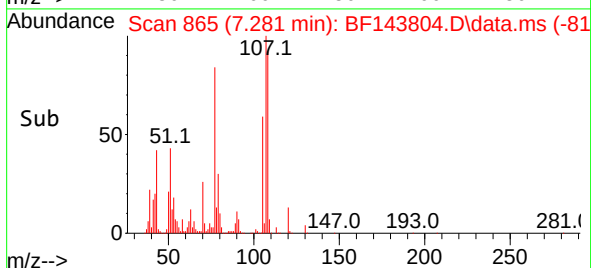
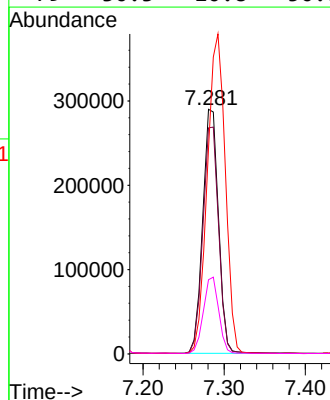
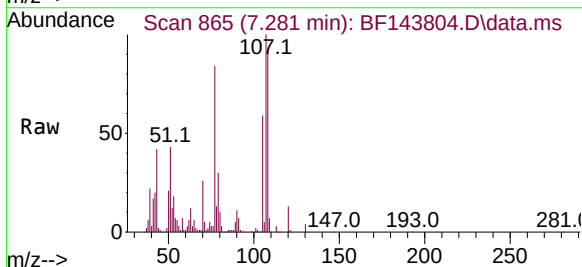
Ion Ratio Lower Upper

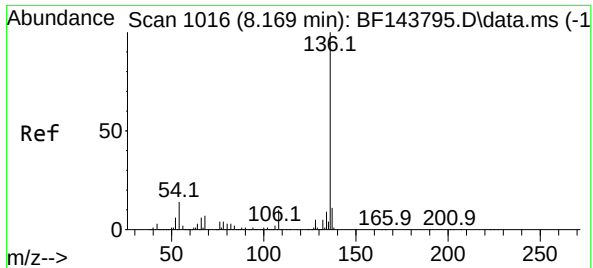
107 100

108 92.4 72.5 112.5

77 84.0 56.2 96.2

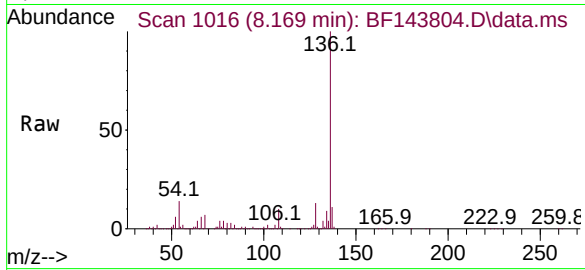
79 30.3 10.8 50.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

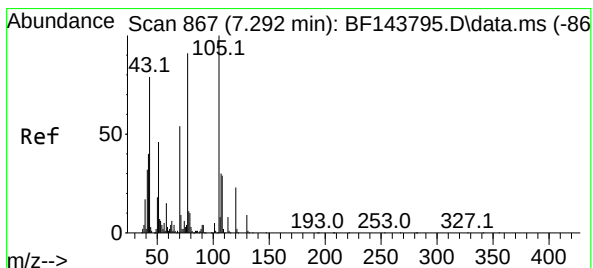
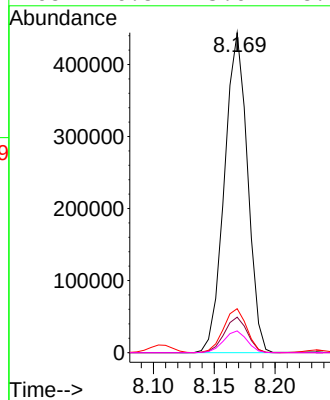
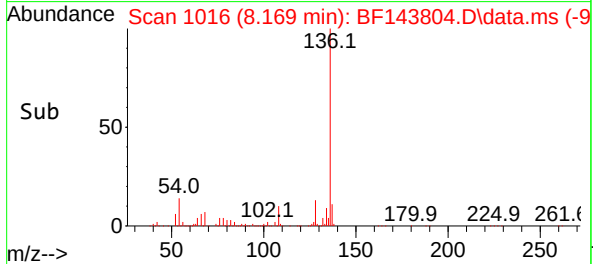
Instrument :
BNA_F
ClientSampleId :
PB169827BS



Tgt Ion:136 Resp: 586166
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 13.7 11.2 16.8
68 6.8 5.6 8.4

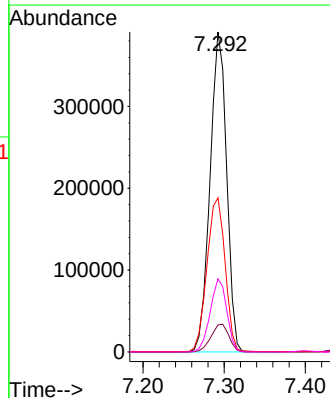
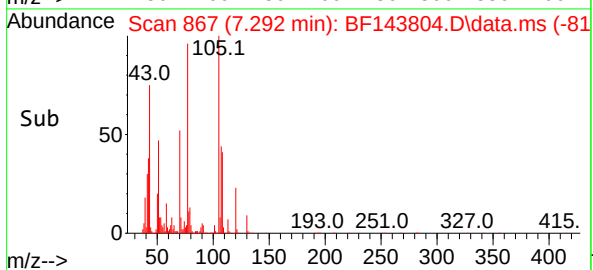
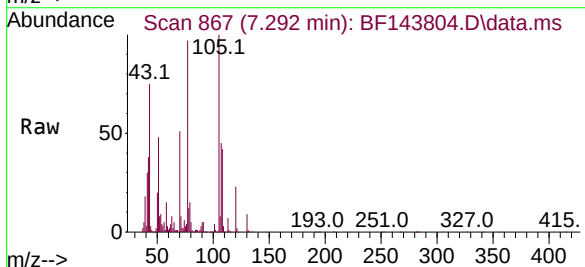
Manual Integrations
APPROVED

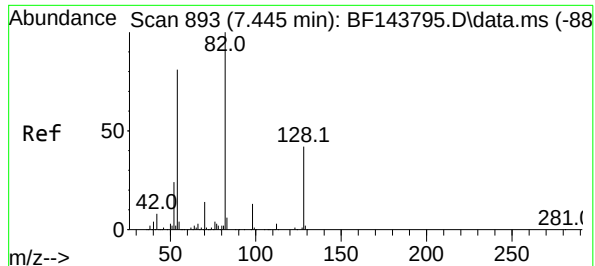
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#22
Acetophenone
Concen: 43.177 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Tgt Ion:105 Resp: 555882
Ion Ratio Lower Upper
105 100
71 8.4 7.0 10.4
51 48.1 36.6 55.0
120 22.8 18.1 27.1





#23

Nitrobenzene-d5

Concen: 84.250 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion: 82 Resp: 80678

Ion Ratio Lower Upper

82 100

128 42.4 33.3 49.9

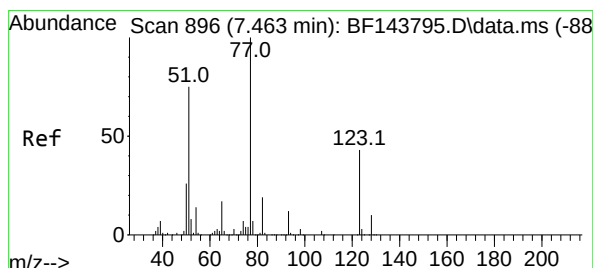
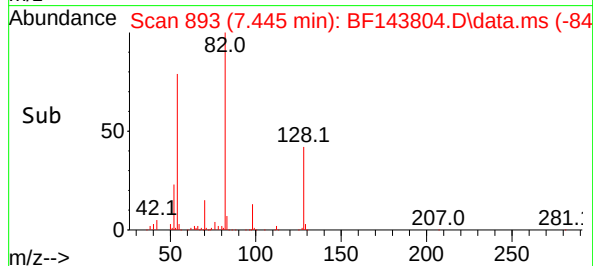
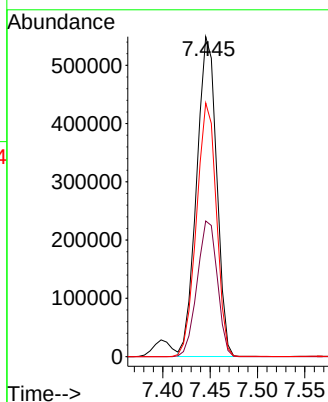
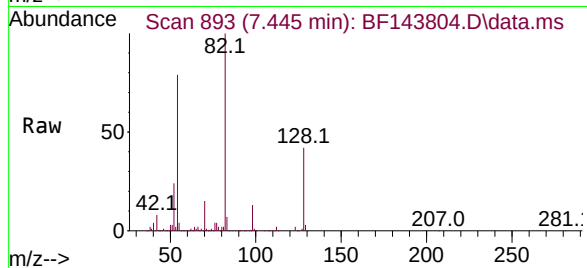
54 79.3 64.2 96.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#24

Nitrobenzene

Concen: 42.879 ng

RT: 7.469 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

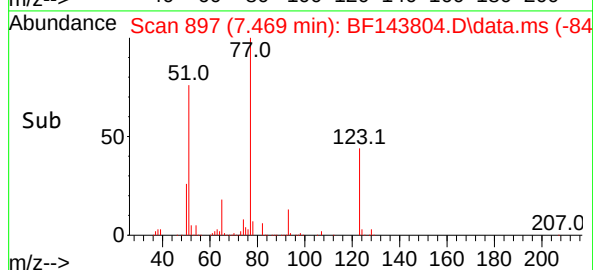
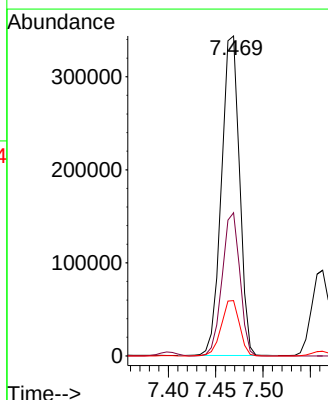
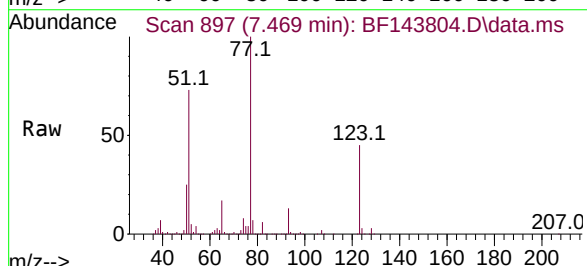
Tgt Ion: 77 Resp: 455128

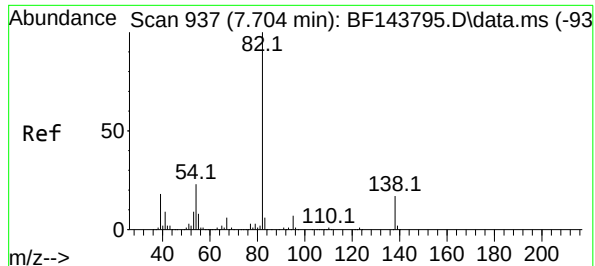
Ion Ratio Lower Upper

77 100

123 44.7 34.0 51.0

65 17.3 13.5 20.3





#25

Isophorone

Concen: 45.610 ng

RT: 7.704 min Scan# 937

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion: 82 Resp: 851108

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.2

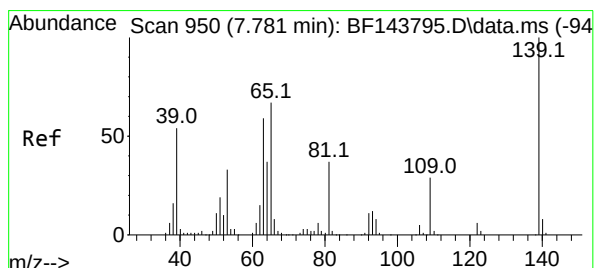
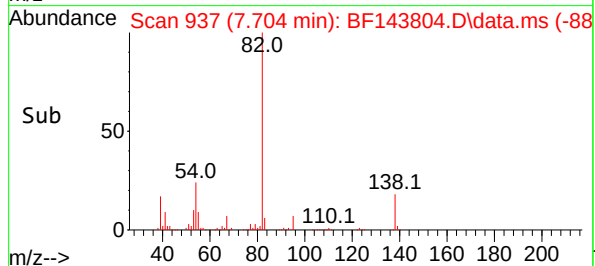
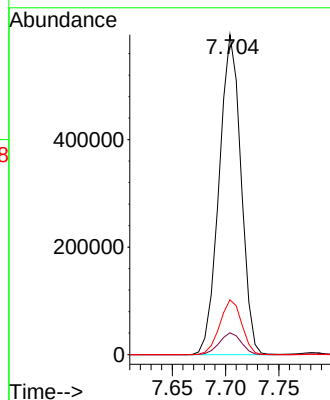
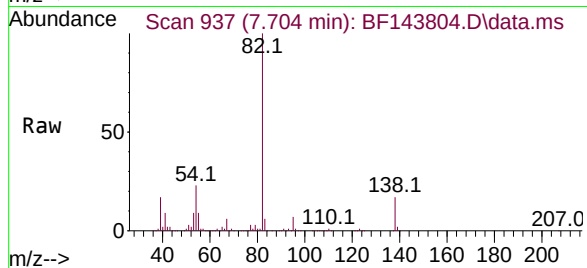
138 17.1 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#26

2-Nitrophenol

Concen: 44.766 ng

RT: 7.781 min Scan# 950

Delta R.T. -0.005 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

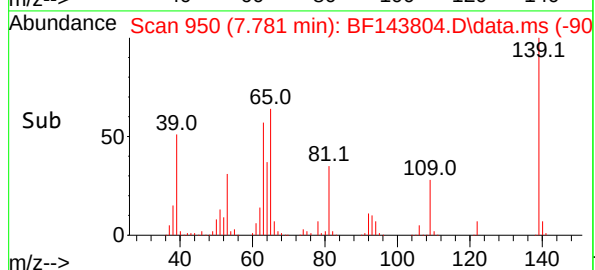
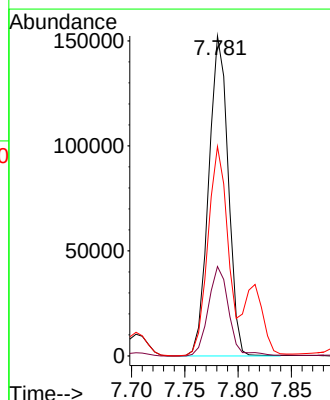
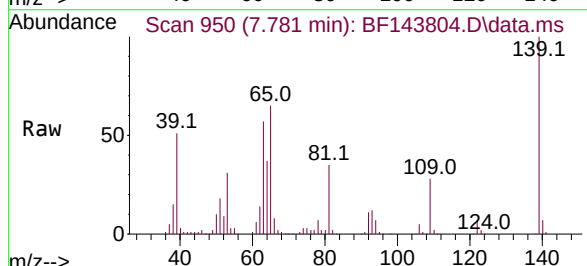
Tgt Ion:139 Resp: 194232

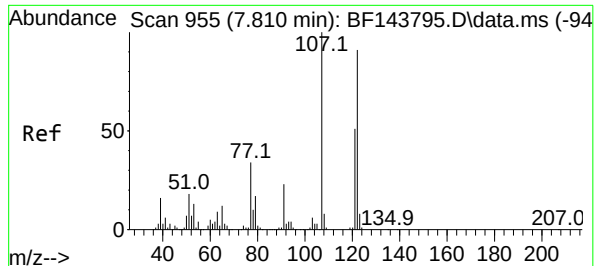
Ion Ratio Lower Upper

139 100

109 27.9 23.3 34.9

65 65.4 53.8 80.6





#27

2,4-Dimethylphenol

Concen: 46.755 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:122 Resp: 389964

Ion Ratio Lower Upper

122 100

107 109.7 87.5 131.3

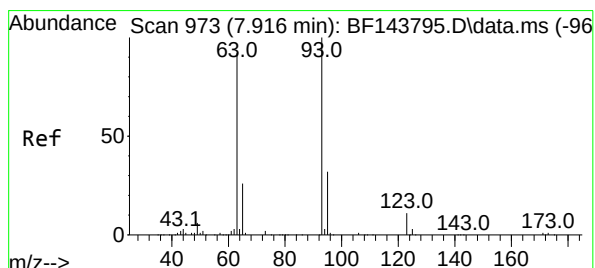
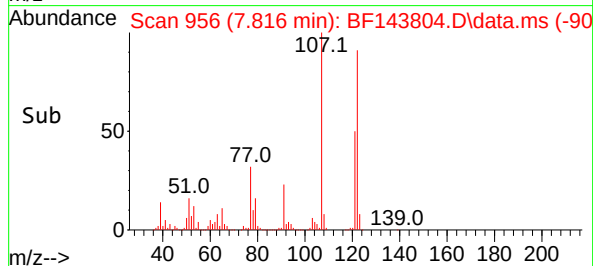
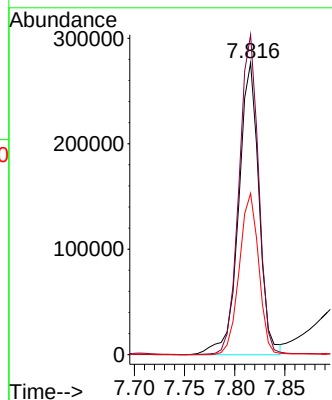
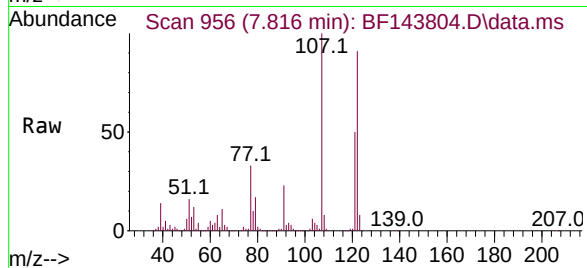
121 55.3 44.2 66.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#28

bis(2-Chloroethoxy)methane

Concen: 42.933 ng

RT: 7.916 min Scan# 973

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

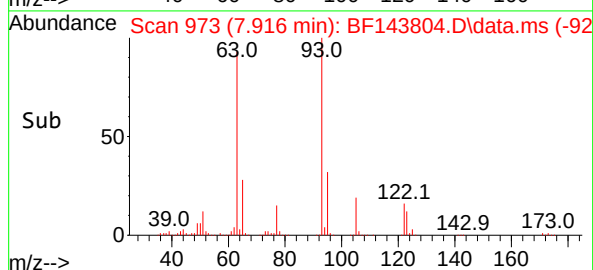
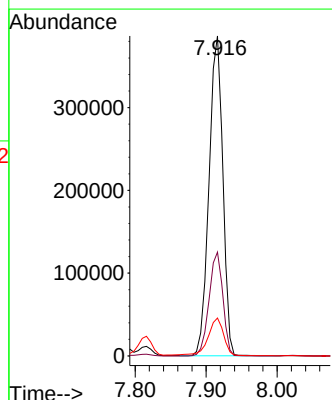
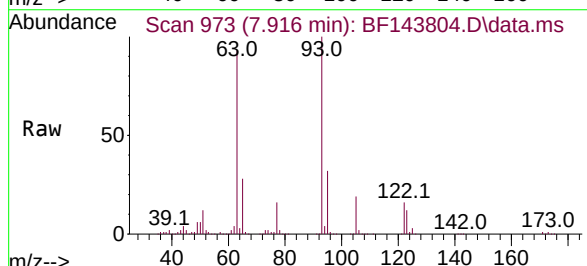
Tgt Ion: 93 Resp: 520514

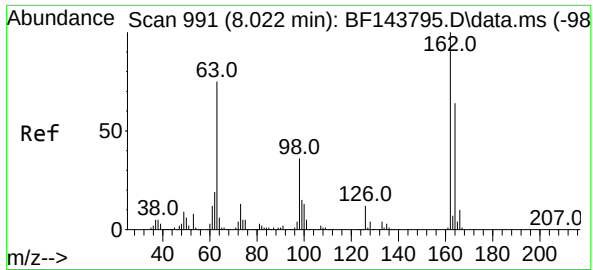
Ion Ratio Lower Upper

93 100

95 32.4 25.8 38.8

123 11.8 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 42.716 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:162 Resp: 35056

Ion Ratio Lower Upper

162 100

164 63.4 44.1 84.1

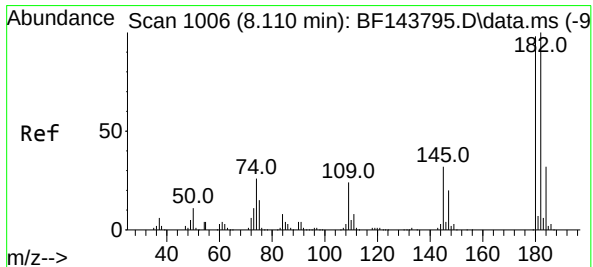
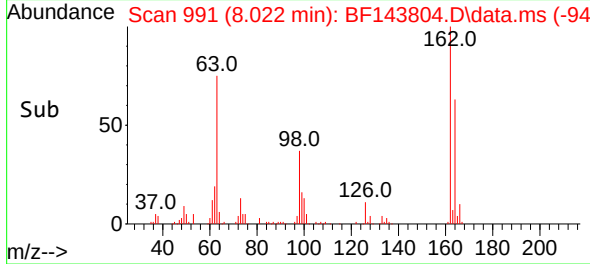
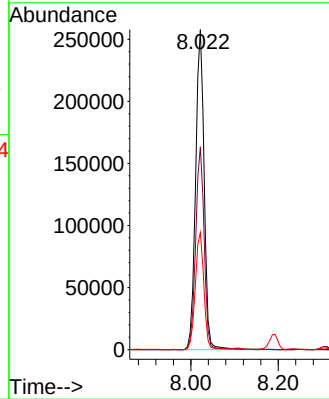
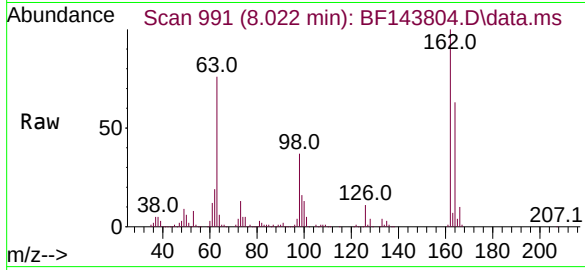
98 36.6 15.8 55.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#30

1,2,4-Trichlorobenzene

Concen: 44.973 ng

RT: 8.110 min Scan# 1006

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

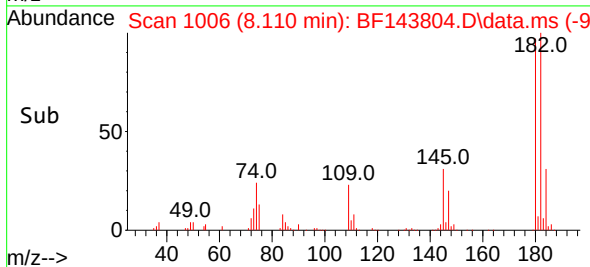
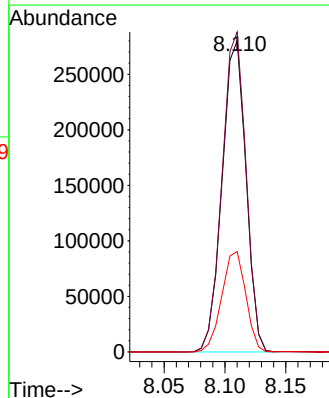
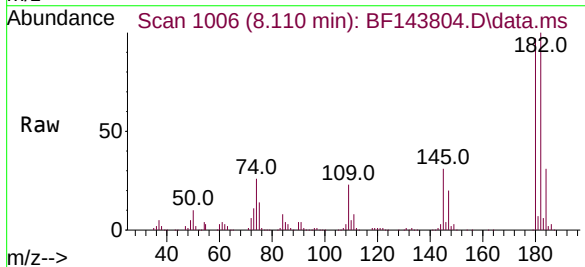
Tgt Ion:180 Resp: 383033

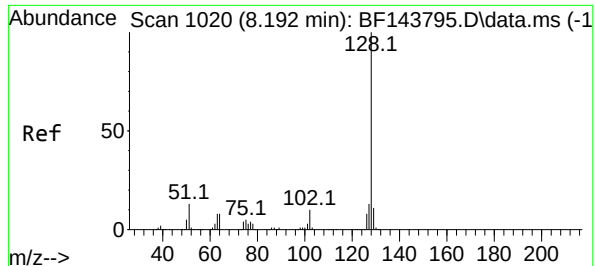
Ion Ratio Lower Upper

180 100

182 102.8 82.0 123.0

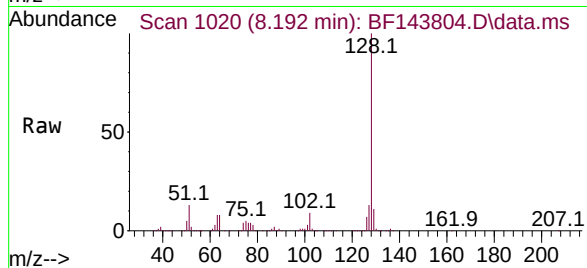
145 32.3 25.9 38.9





#31
Naphthalene
Concen: 41.443 ng
RT: 8.192 min Scan# 1020
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

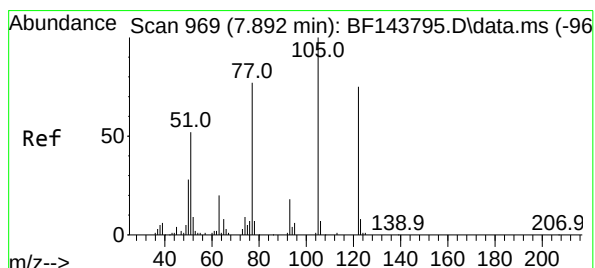
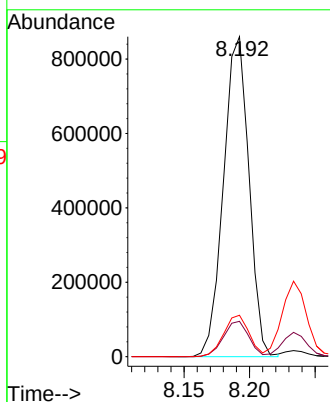
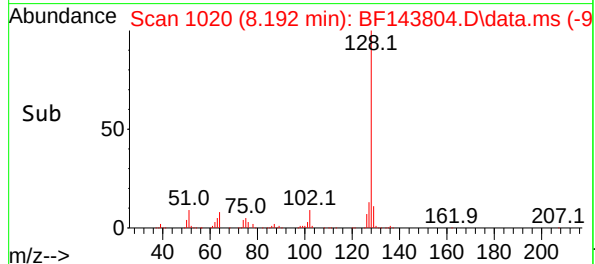
Instrument :
BNA_F
ClientSampleId :
PB169827BS



Tgt Ion:128 Resp: 1162906
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.9 10.2 15.4

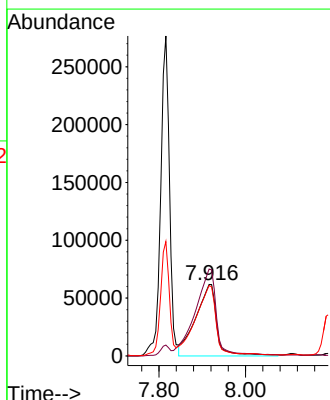
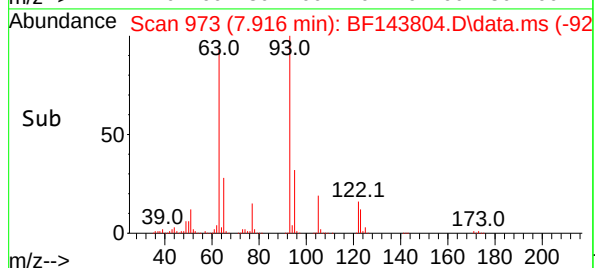
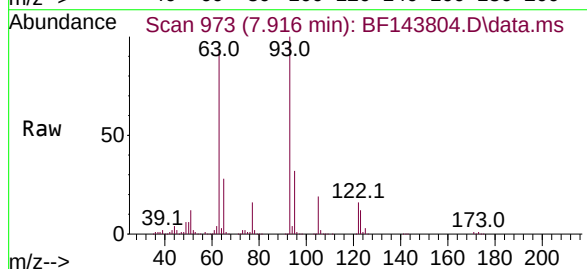
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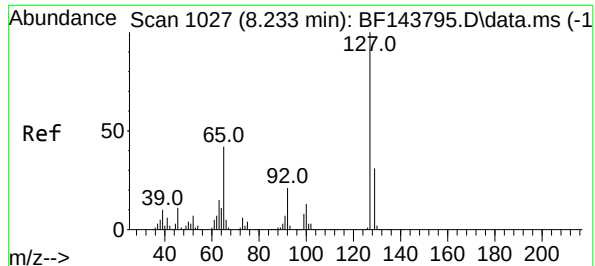
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#32
Benzoic acid
Concen: 52.321 ng m
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Tgt Ion:122 Resp: 210549
Ion Ratio Lower Upper
122 100
105 121.6 103.7 143.7
77 98.5 78.8 118.8





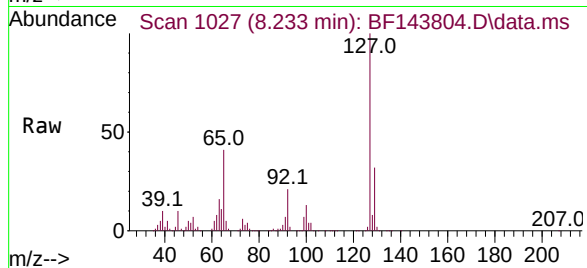
#33
4-Chloroaniline
Concen: 27.426 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

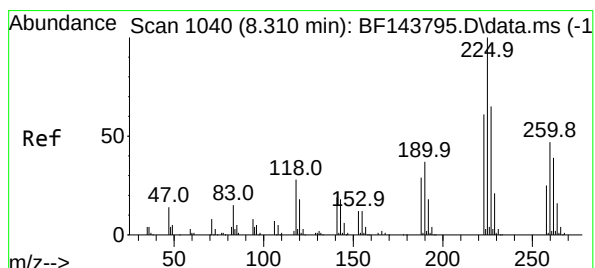
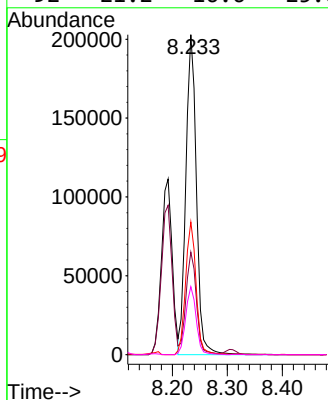
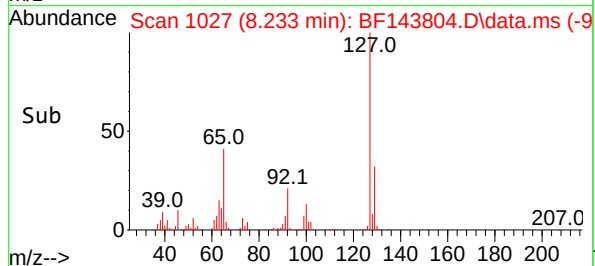


Tgt Ion:127 Resp: 270444
Ion Ratio Lower Upper
127 100
129 32.0 25.4 38.2
65 41.4 33.4 50.2
92 21.2 16.6 25.0

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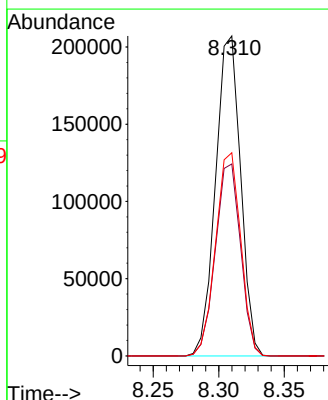
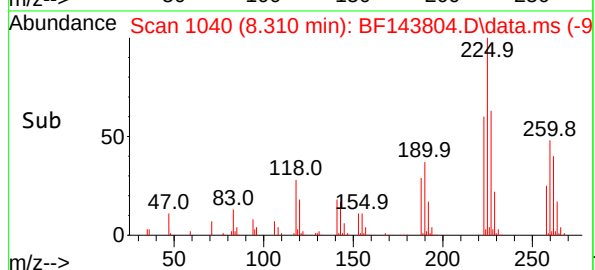
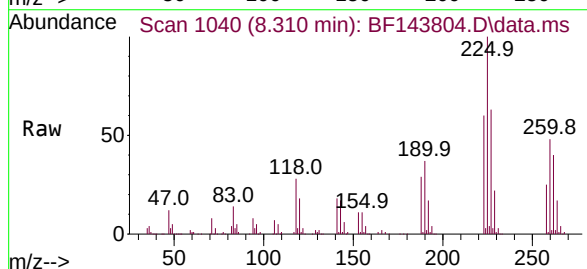
APPROVED

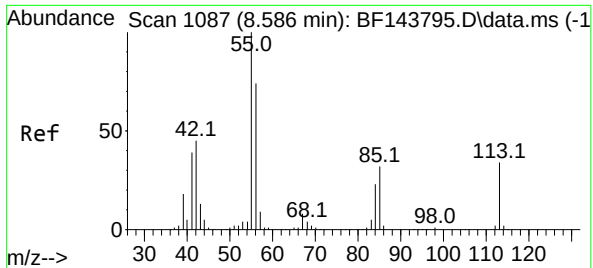
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#34
Hexachlorobutadiene
Concen: 43.434 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Tgt Ion:225 Resp: 275769
Ion Ratio Lower Upper
225 100
223 60.0 48.6 72.8
227 63.5 51.9 77.9





#35

Caprolactam

Concen: 49.671 ng m

RT: 8.592 min Scan# 1087

Delta R.T. -0.018 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:113 Resp: 104193

Ion Ratio Lower Upper

113 100

55 279.3 271.7 311.7

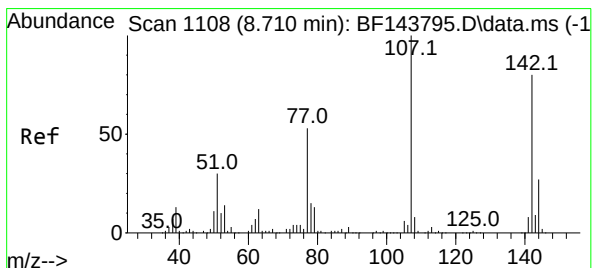
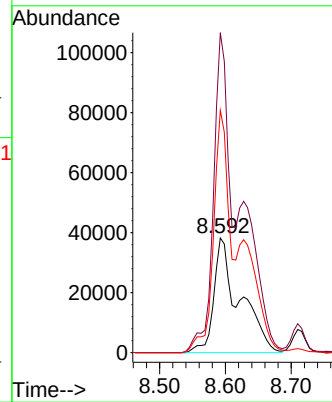
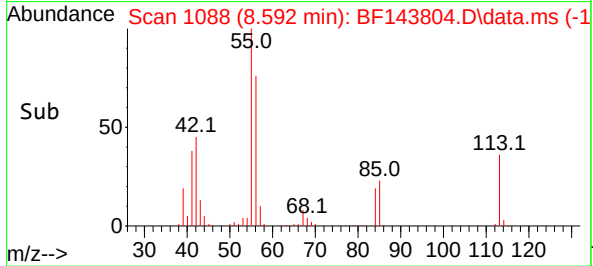
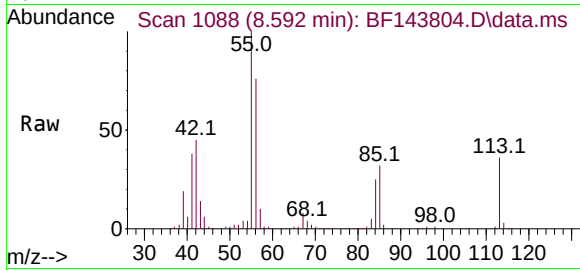
56 211.5 194.5 234.5

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#36

4-Chloro-3-methylphenol

Concen: 44.128 ng

RT: 8.710 min Scan# 1108

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

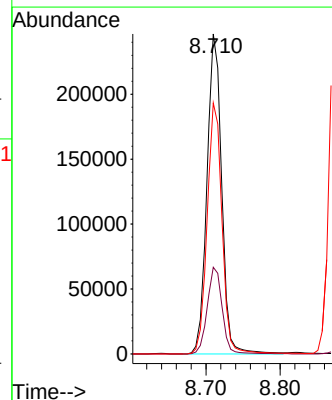
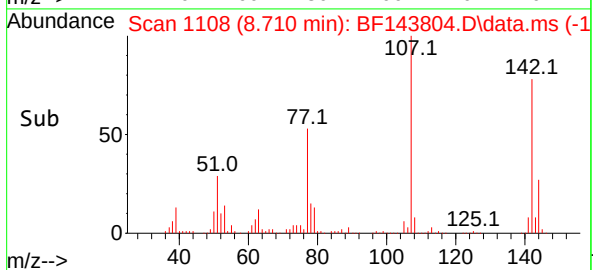
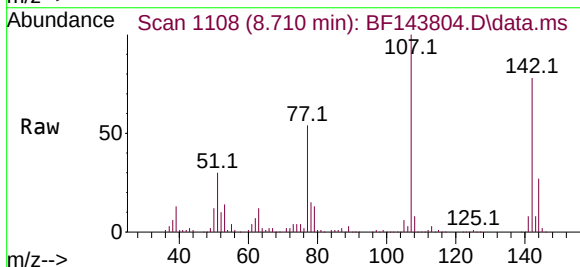
Tgt Ion:107 Resp: 339654

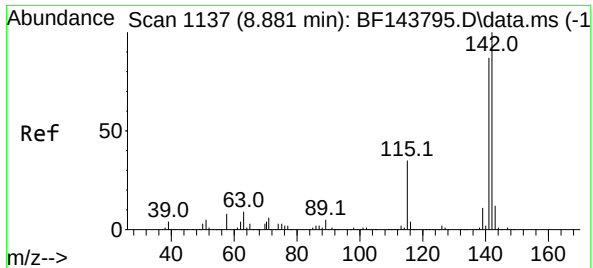
Ion Ratio Lower Upper

107 100

144 27.1 21.8 32.8

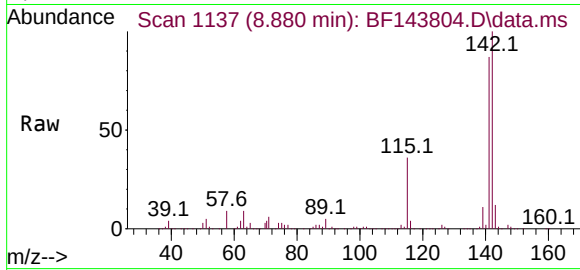
142 78.4 63.6 95.4





#37
2-Methylnaphthalene
Concen: 38.789 ng
RT: 8.880 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

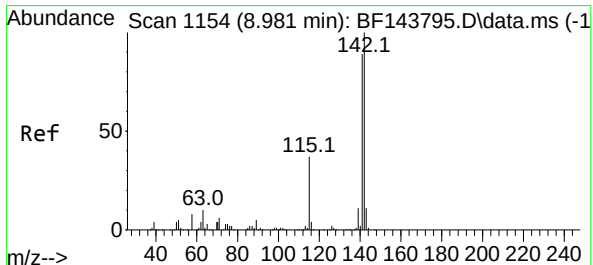
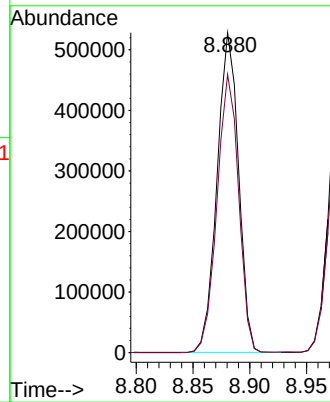
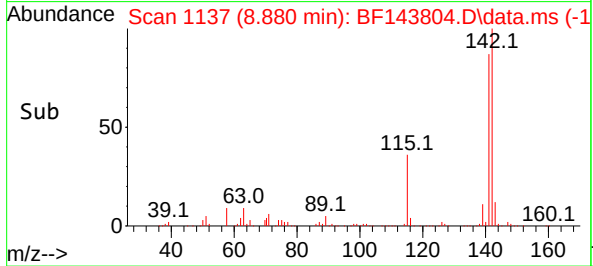
Instrument :
BNA_F
ClientSampleId :
PB169827BS



Tgt Ion:142 Resp: 694046
Ion Ratio Lower Upper
142 100
141 86.9 69.4 104.0

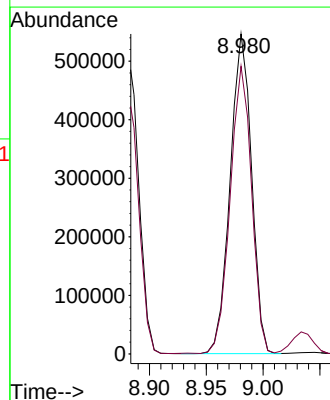
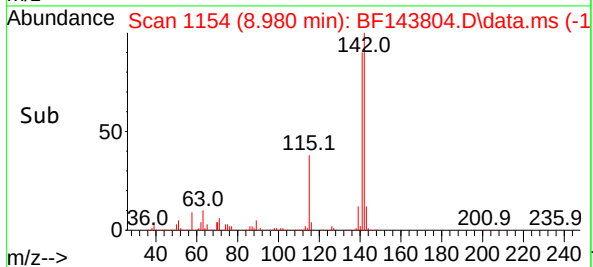
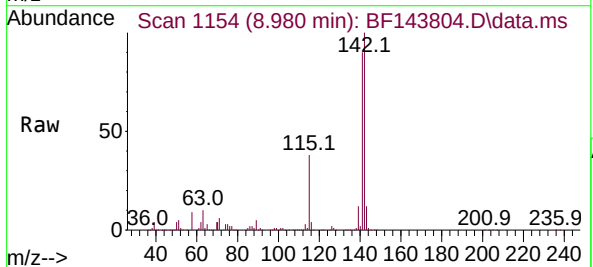
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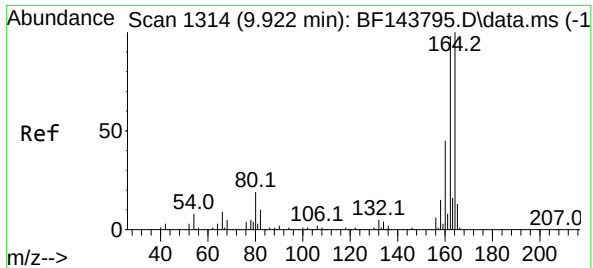
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#38
1-Methylnaphthalene
Concen: 41.768 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

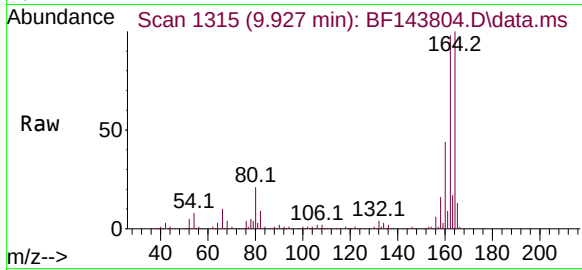
Tgt Ion:142 Resp: 715322
Ion Ratio Lower Upper
142 100
141 89.9 71.1 106.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1314
Delta R.T. -0.001 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

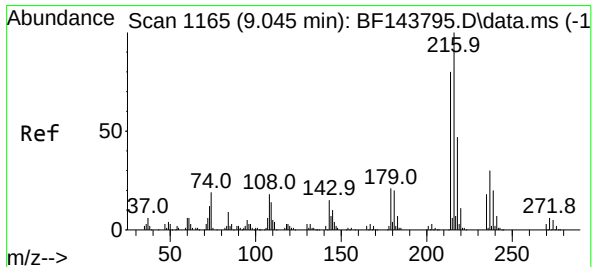
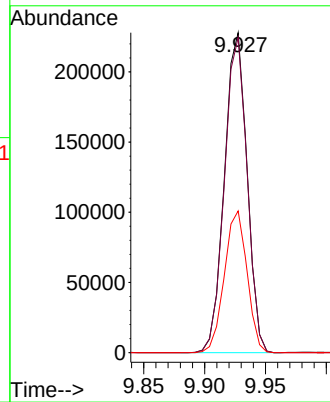
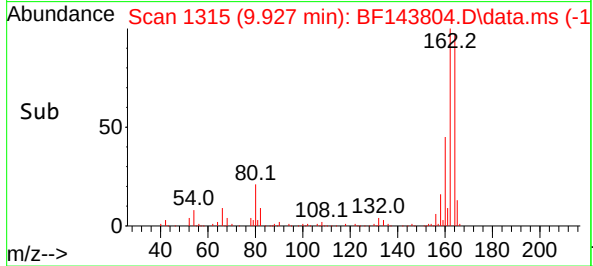
Instrument :
BNA_F
ClientSampleId :
PB169827BS



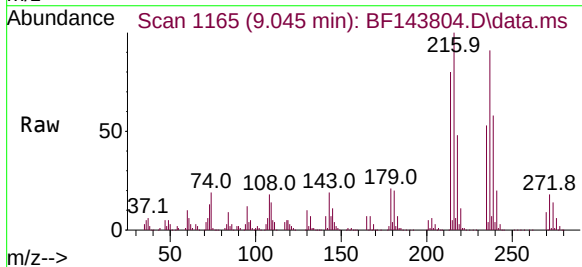
Tgt Ion:164 Resp: 295245
Ion Ratio Lower Upper
164 100
162 98.4 78.8 118.2
160 44.3 35.8 53.6

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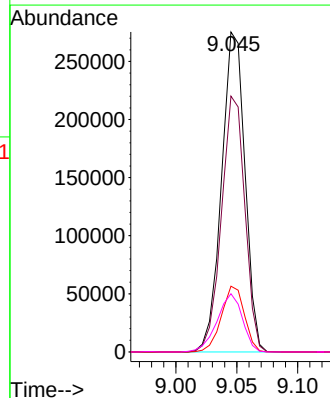
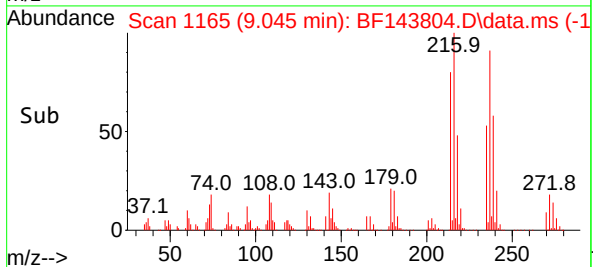
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

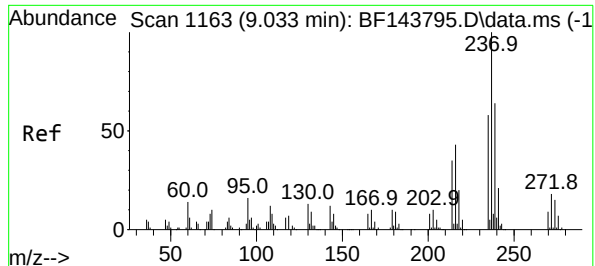


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.402 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



Tgt Ion:216 Resp: 368894
Ion Ratio Lower Upper
216 100
214 79.7 63.7 95.5
179 20.2 16.5 24.7
108 19.7 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 105.022 ng

RT: 9.033 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:237 Resp: 593049

Ion Ratio Lower Upper

237 100

235 59.0 38.1 78.1

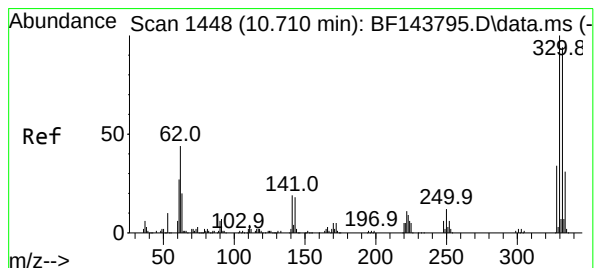
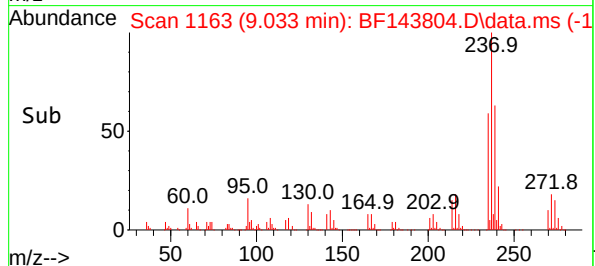
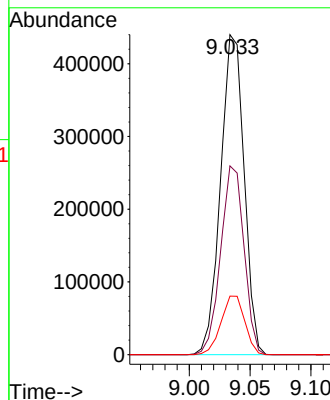
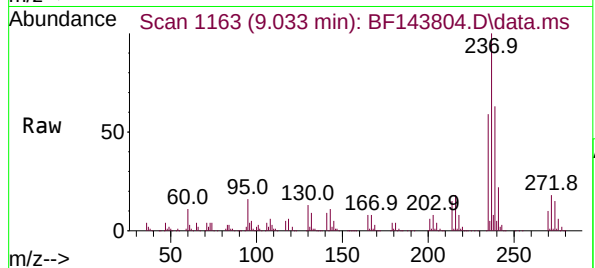
272 18.3 0.0 37.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#42

2,4,6-Tribromophenol

Concen: 109.742 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

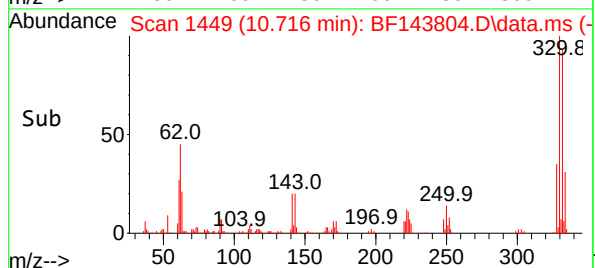
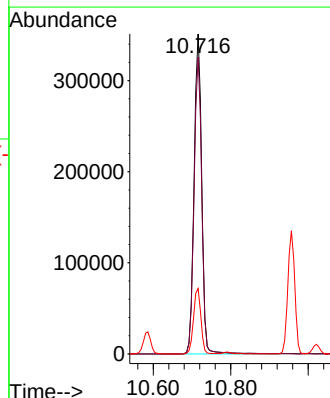
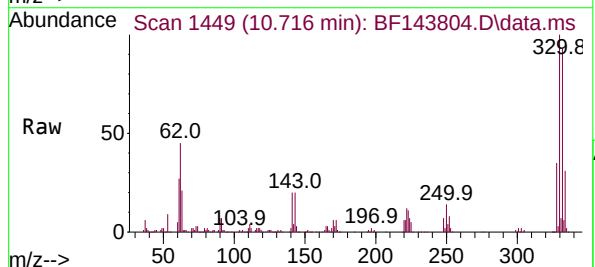
Tgt Ion:330 Resp: 479746

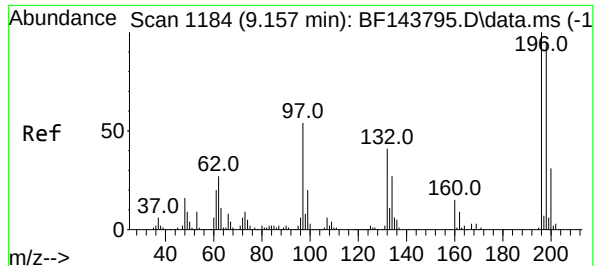
Ion Ratio Lower Upper

330 100

332 92.8 74.7 112.1

141 19.8 14.3 21.5





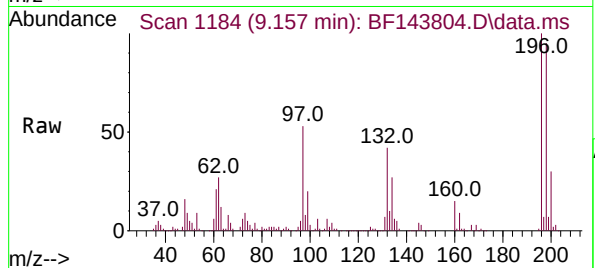
#43
2,4,6-Trichlorophenol
Concen: 45.563 ng
RT: 9.157 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

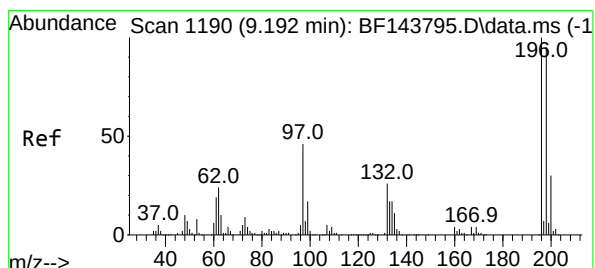
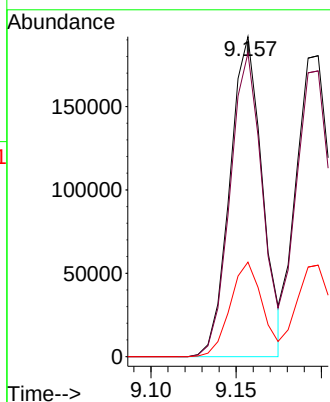
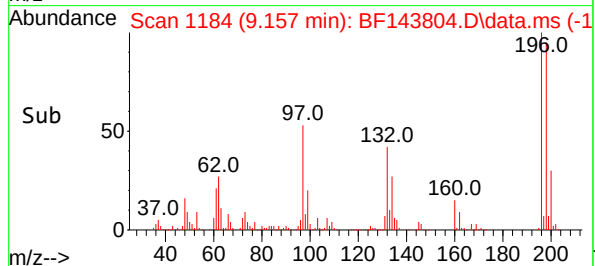


Tgt Ion:196 Resp: 254202
Ion Ratio Lower Upper
196 100
198 94.9 76.2 114.2
200 29.5 24.7 37.1

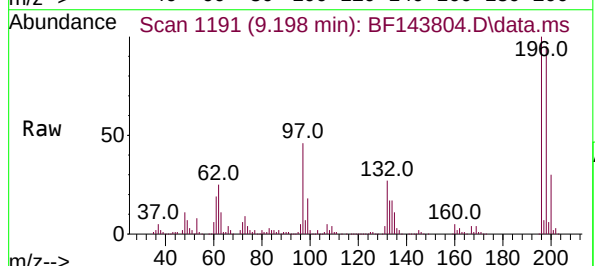
Manual Integrations

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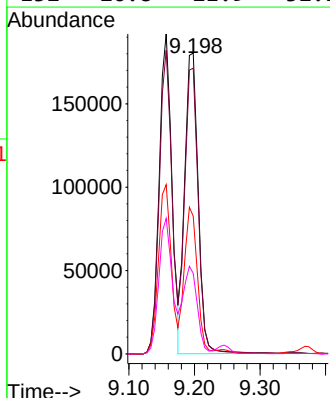
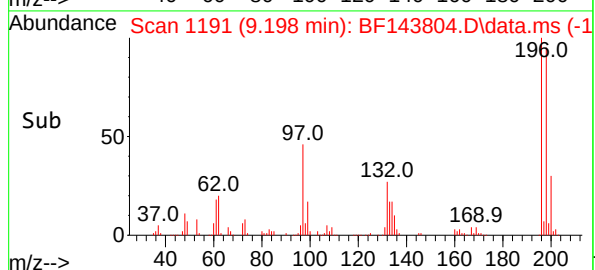
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

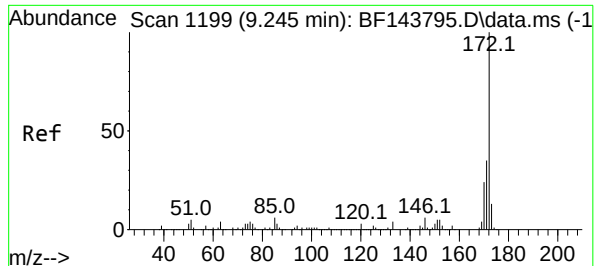


#44
2,4,5-Trichlorophenol
Concen: 44.524 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



Tgt Ion:196 Resp: 259825
Ion Ratio Lower Upper
196 100
198 95.0 75.9 113.9
97 45.8 38.3 57.5
132 26.8 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 80.812 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:172 Resp: 1528950

Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

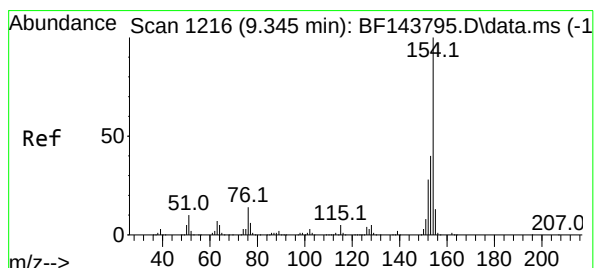
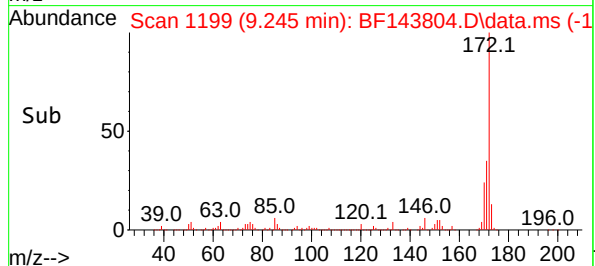
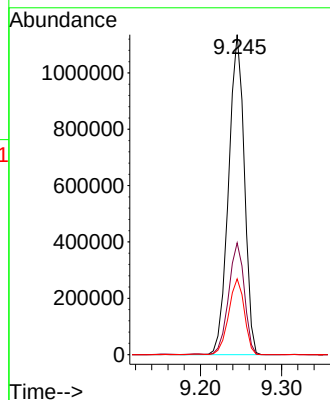
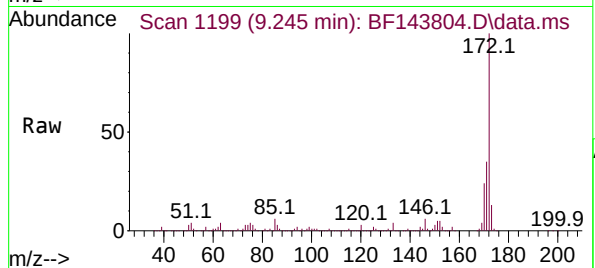
170 23.7 19.1 28.7

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#46

1,1'-Biphenyl

Concen: 42.764 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

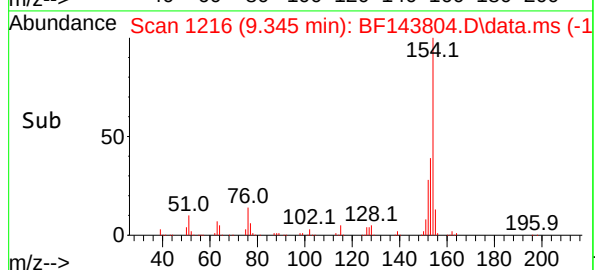
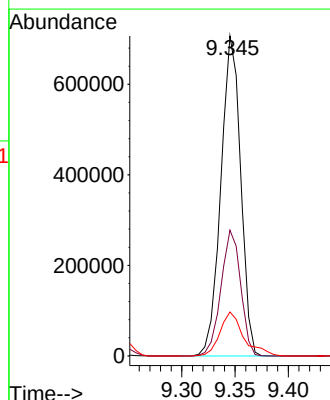
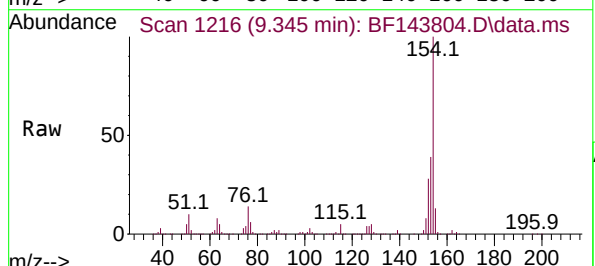
Tgt Ion:154 Resp: 913939

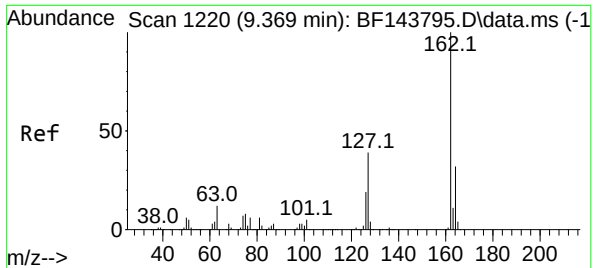
Ion Ratio Lower Upper

154 100

153 39.3 19.7 59.7

76 13.7 0.0 33.8





#47

2-Chloronaphthalene

Concen: 41.897 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:162 Resp: 72077

Ion Ratio Lower Upper

162 100

127 39.8 31.5 47.3

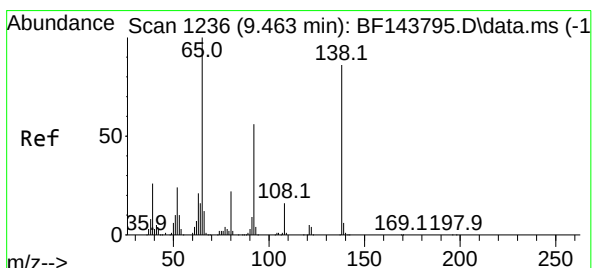
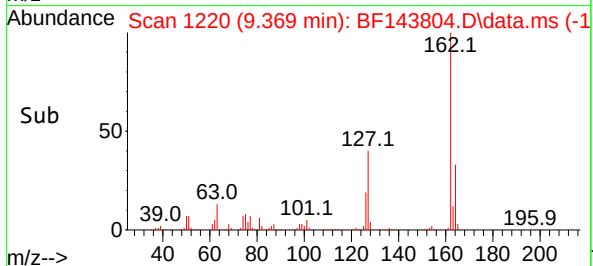
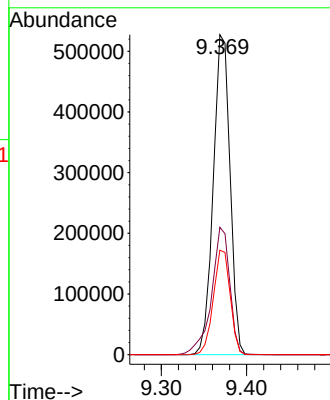
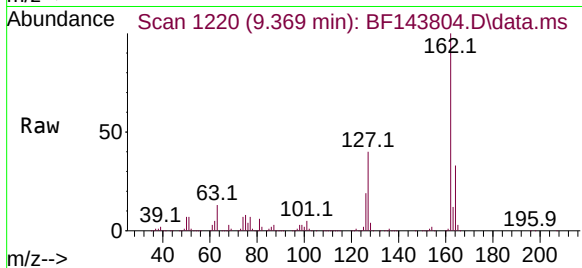
164 32.7 25.9 38.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#48

2-Nitroaniline

Concen: 49.800 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

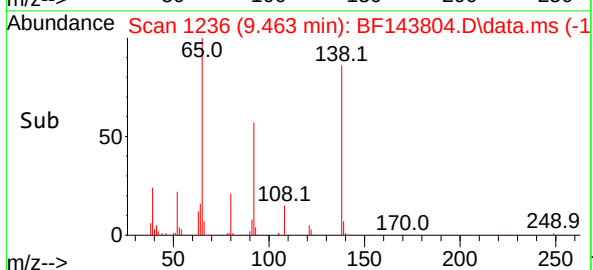
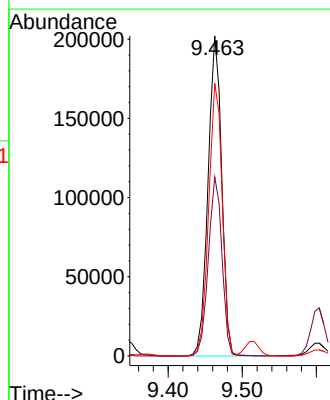
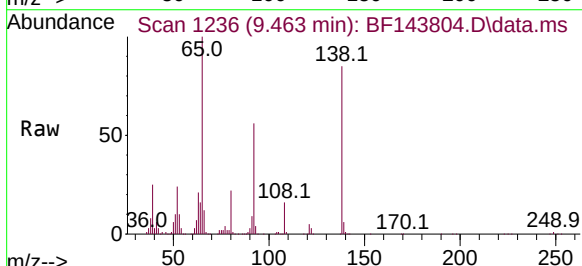
Tgt Ion: 65 Resp: 258937

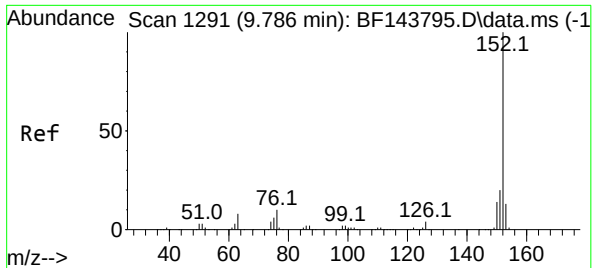
Ion Ratio Lower Upper

65 100

92 56.0 44.9 67.3

138 85.2 69.0 103.4





#49

Acenaphthylene

Concen: 47.592 ng

RT: 9.786 min Scan# 1291

Delta R.T. -0.000 min

Lab File: BF143804.D

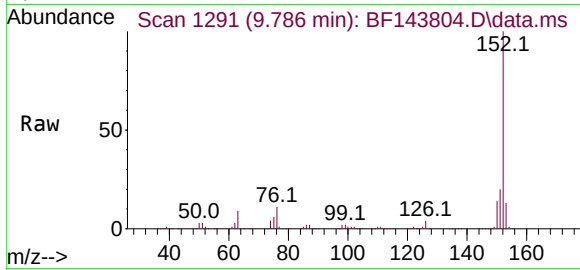
Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS



Tgt Ion:152 Resp: 1127108

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

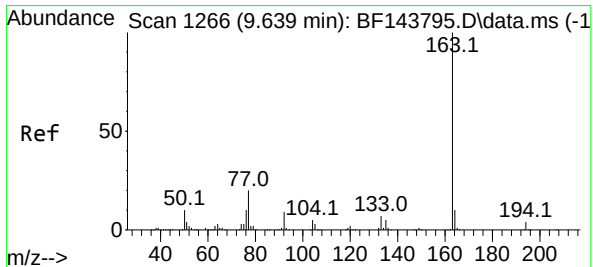
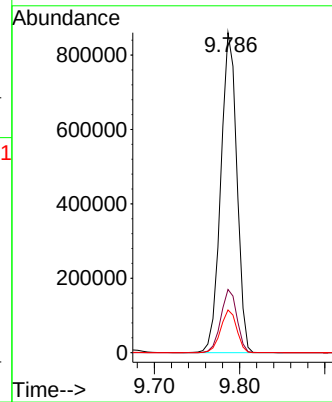
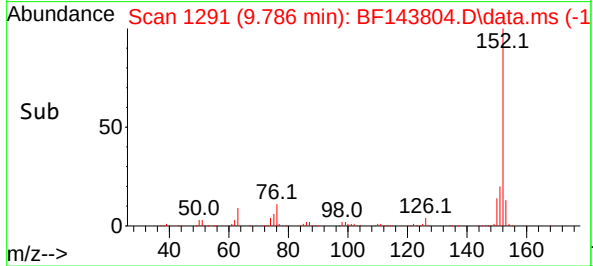
153 13.4 10.6 15.8

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#50

Dimethylphthalate

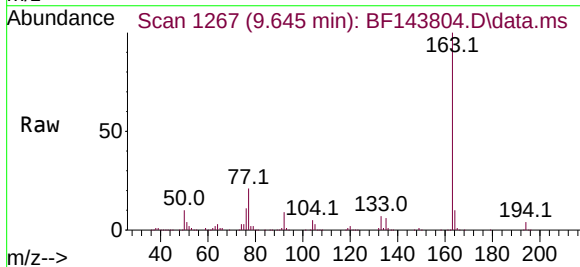
Concen: 45.221 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16



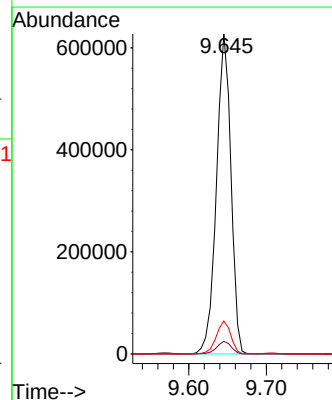
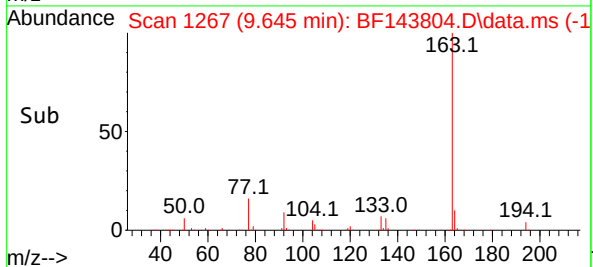
Tgt Ion:163 Resp: 813768

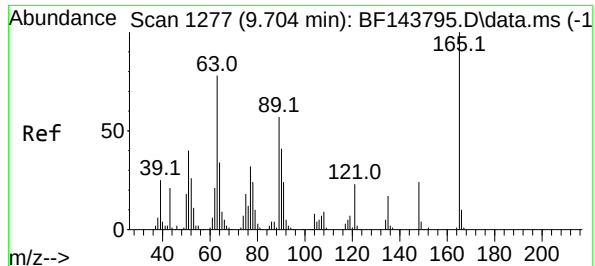
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.3 8.2 12.2





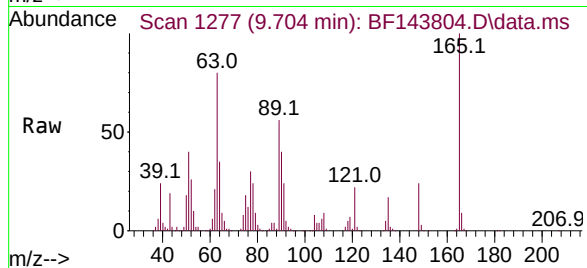
#51
2,6-Dinitrotoluene
Concen: 56.554 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

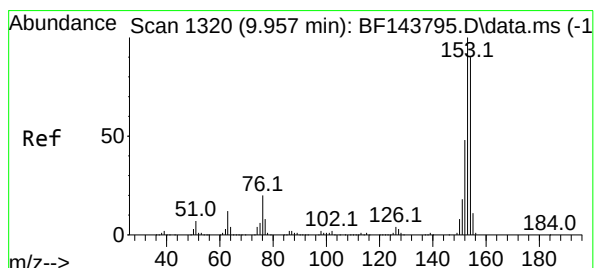
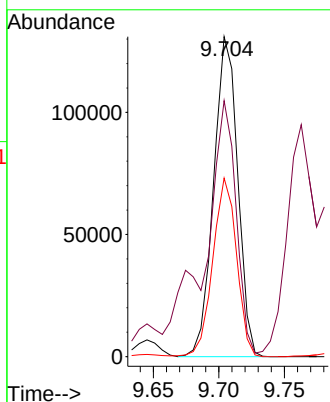
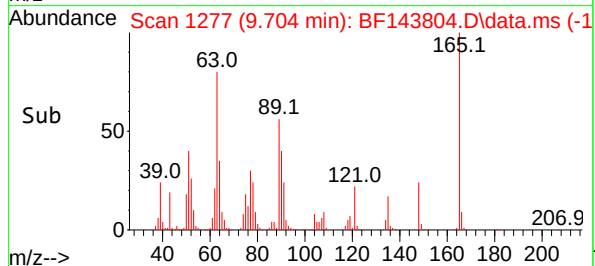
PB169827BS



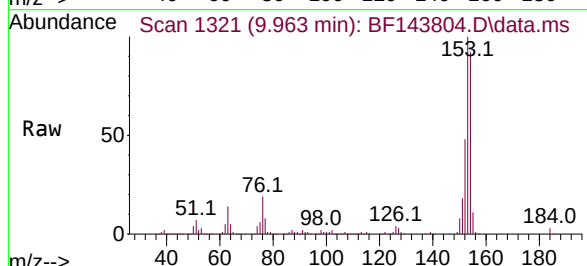
Tgt Ion:165 Resp: 167208
Ion Ratio Lower Upper
165 100
63 80.0 62.6 94.0
89 55.8 45.2 67.8

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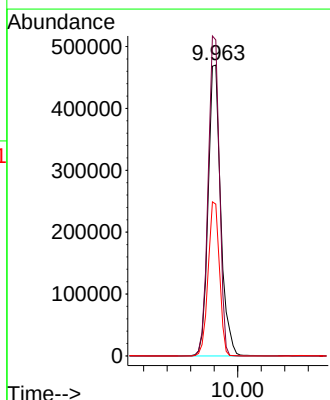
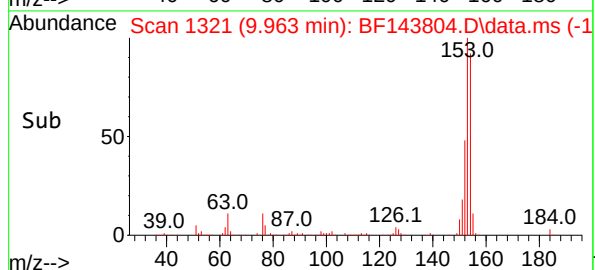
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

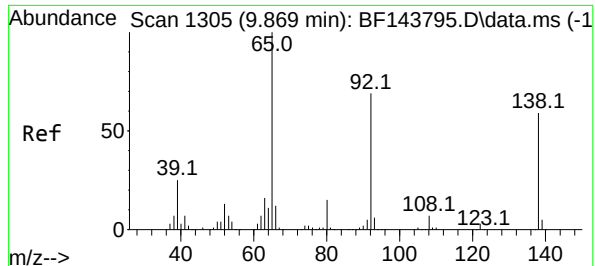


#52
Acenaphthene
Concen: 44.850 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



Tgt Ion:154 Resp: 698991
Ion Ratio Lower Upper
154 100
153 108.7 88.7 133.1
152 52.2 42.7 64.1





#53

3-Nitroaniline

Concen: 35.898 ng

RT: 9.875 min Scan# 1306

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:138 Resp: 128649

Ion Ratio Lower Upper

138 100

108 10.9 9.9 14.9

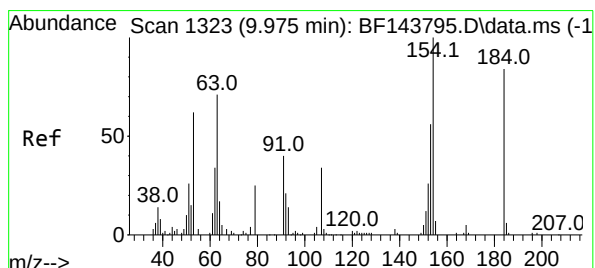
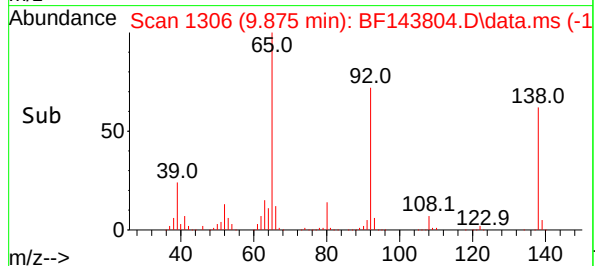
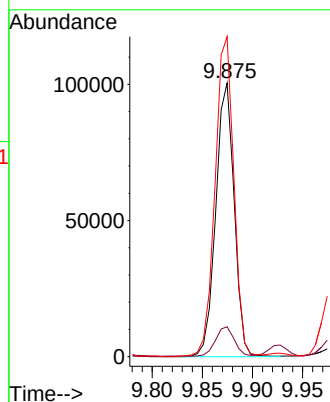
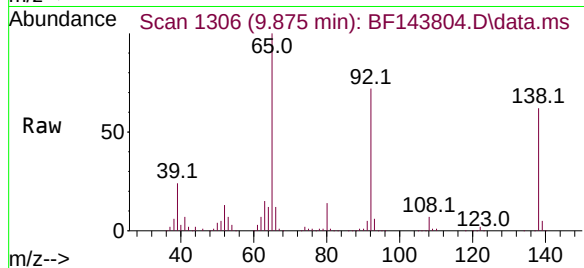
92 117.0 93.5 140.3

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#54

2,4-Dinitrophenol

Concen: 90.006 ng

RT: 9.980 min Scan# 1324

Delta R.T. 0.005 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

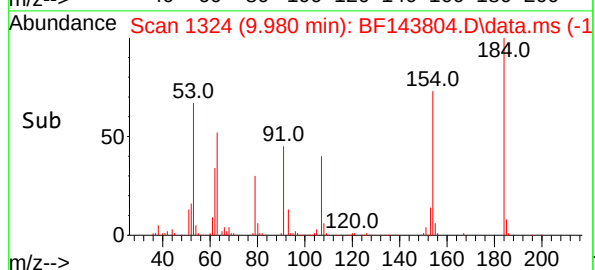
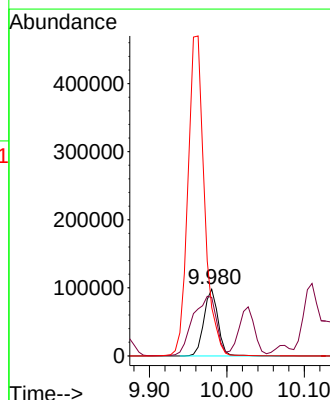
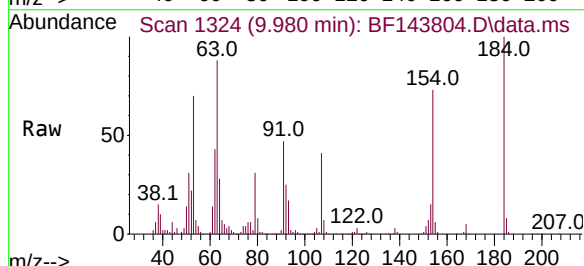
Tgt Ion:184 Resp: 123010

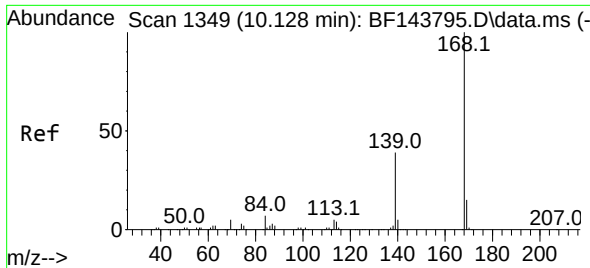
Ion Ratio Lower Upper

184 100

63 87.7 84.6 127.0

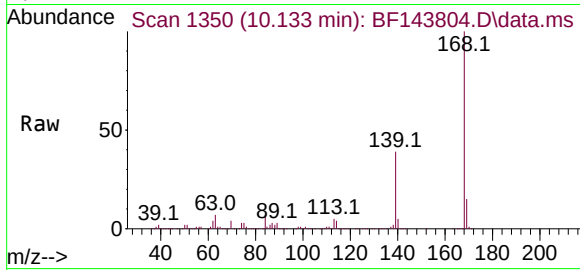
154 72.5 199.3 298.9#





#55
Dibenzofuran
Concen: 43.014 ng
RT: 10.133 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

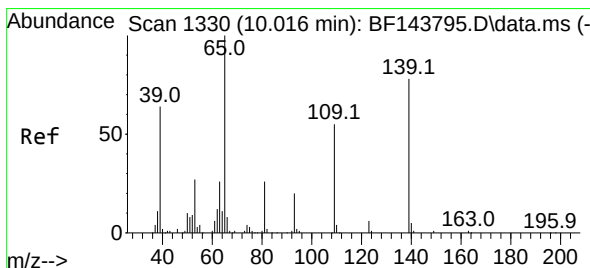
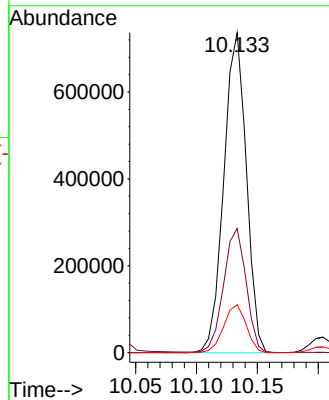
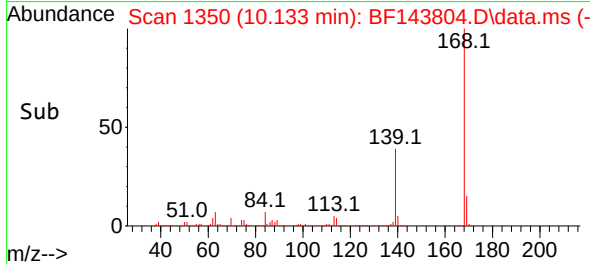
Instrument :
BNA_F
ClientSampleId :
PB169827BS



Tgt Ion:168 Resp: 94795
Ion Ratio Lower Upper
168 100
139 38.8 31.0 46.6
169 15.0 11.9 17.9

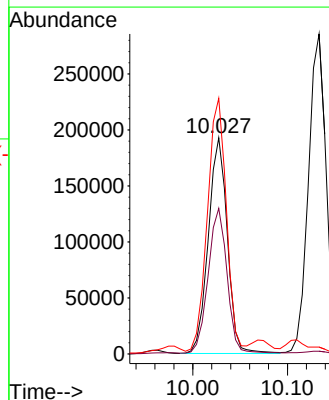
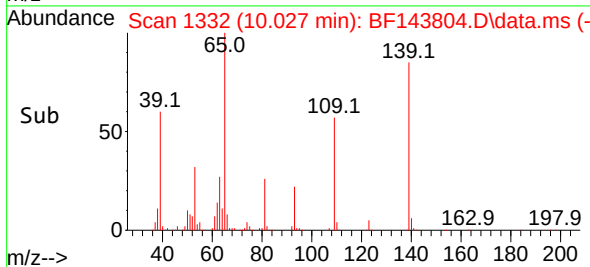
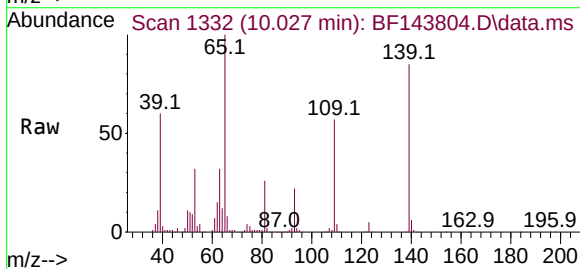
Manual Integrations
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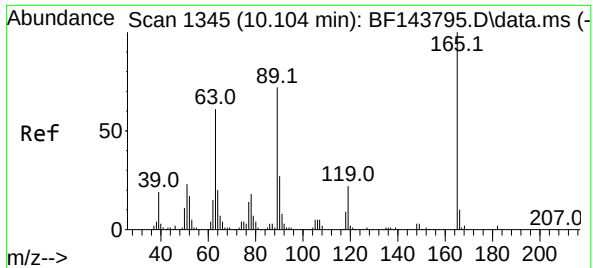
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#56
4-Nitrophenol
Concen: 93.169 ng
RT: 10.027 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Tgt Ion:139 Resp: 269066
Ion Ratio Lower Upper
139 100
109 67.3 50.2 90.2
65 118.3 109.2 149.2





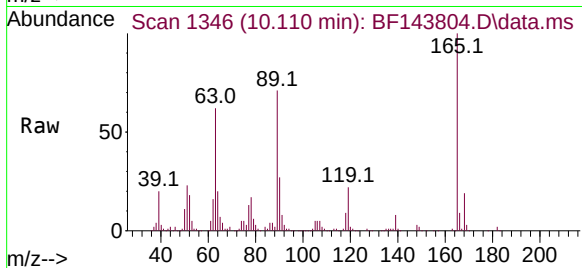
#57
2,4-Dinitrotoluene
Concen: 48.920 ng
RT: 10.110 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

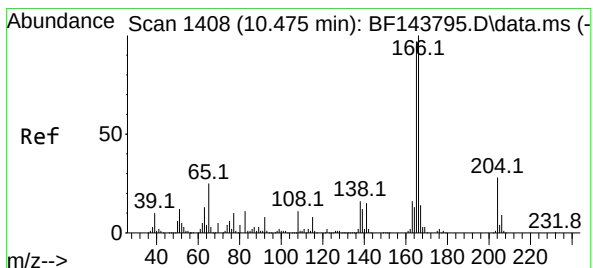
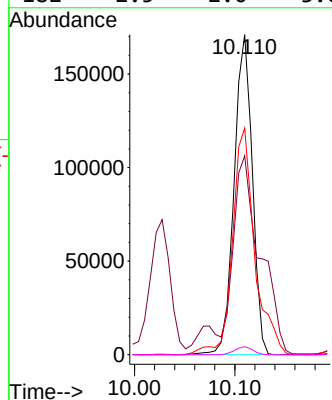
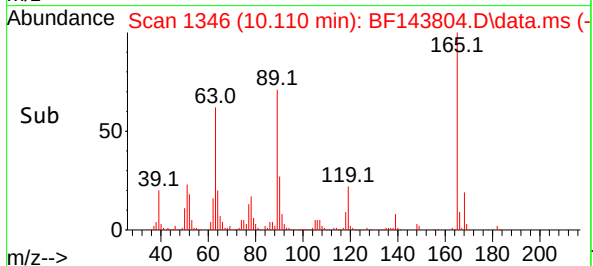


Tgt Ion:165 Resp: 214946
Ion Ratio Lower Upper
165 100
63 62.1 48.9 73.3
89 70.8 57.5 86.3
182 2.5 2.0 3.0

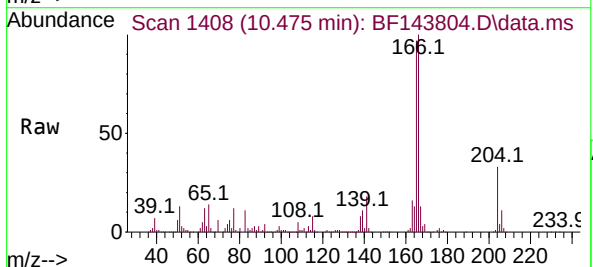
Manual Integrations

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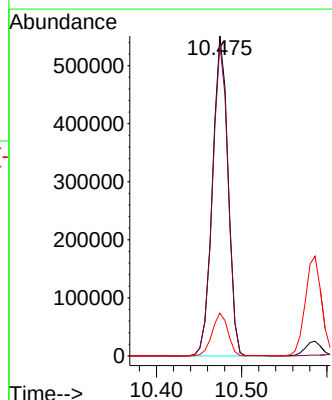
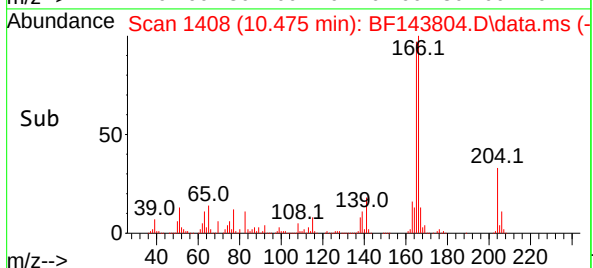
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

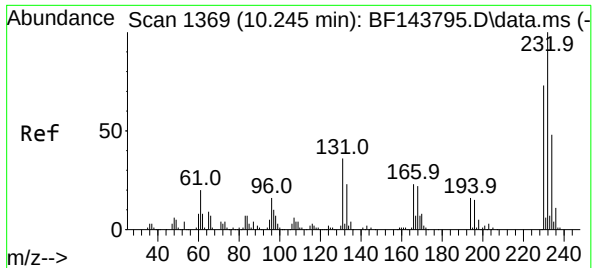


#58
Fluorene
Concen: 42.689 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



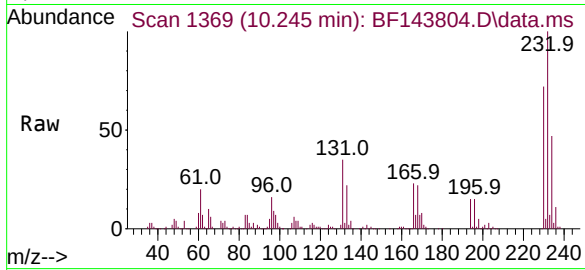
Tgt Ion:166 Resp: 699412
Ion Ratio Lower Upper
166 100
165 97.3 78.0 117.0
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.578 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

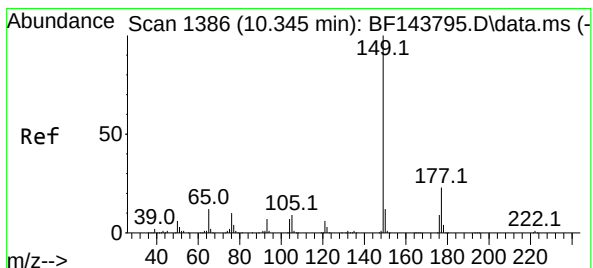
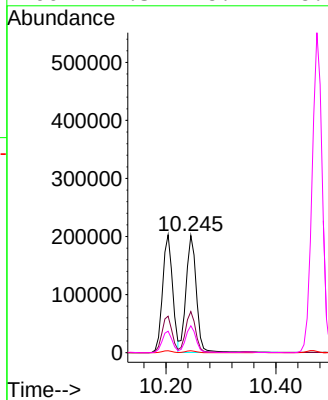
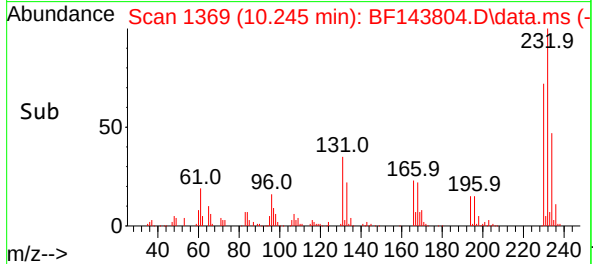
Instrument :
BNA_F
ClientSampleId :
PB169827BS



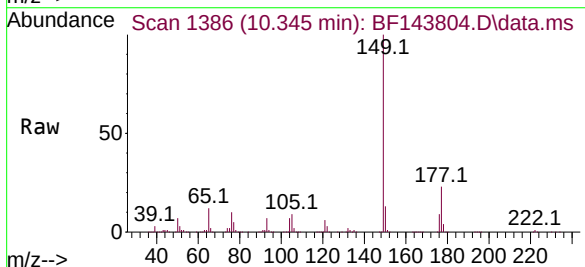
Tgt Ion:232 Resp: 262852
Ion Ratio Lower Upper
232 100
131 34.6 29.4 44.2
130 1.5 1.3 1.9
166 22.3 18.7 28.1

Manual Integrations
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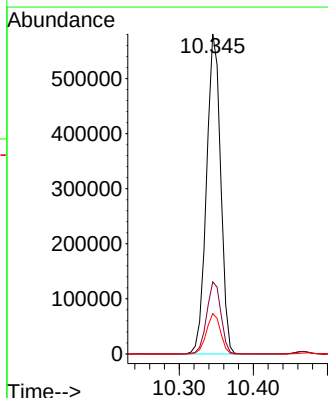
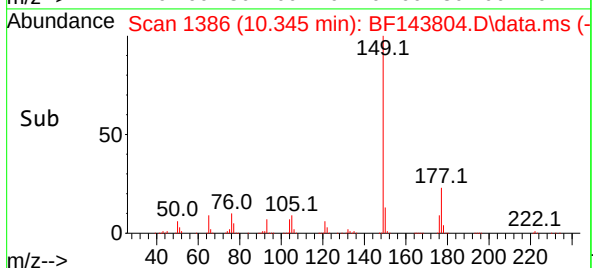
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

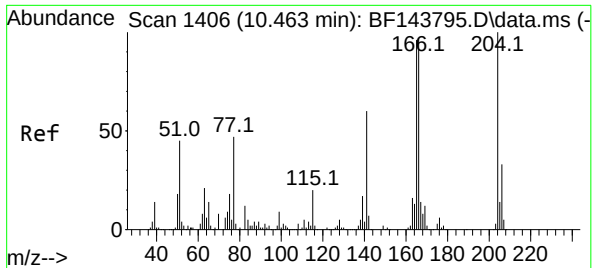


#60
Diethylphthalate
Concen: 45.548 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



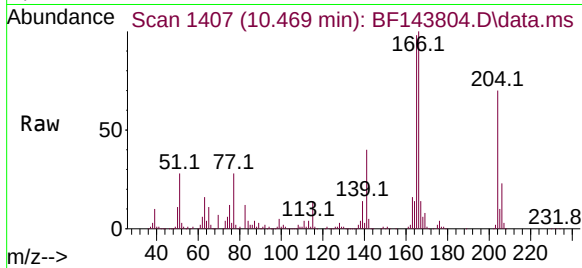
Tgt Ion:149 Resp: 767269
Ion Ratio Lower Upper
149 100
177 22.5 18.1 27.1
150 12.6 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 43.204 ng
RT: 10.469 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

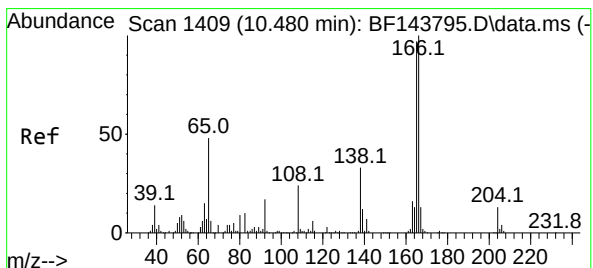
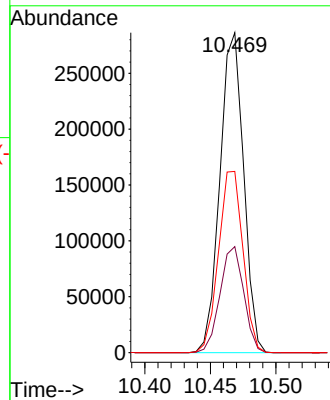
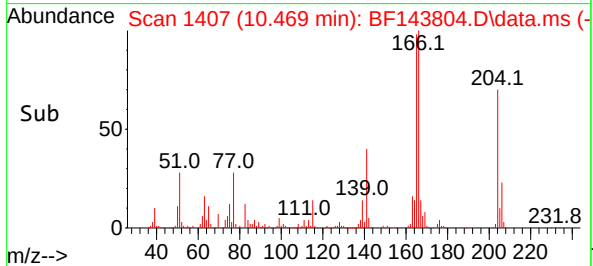
Instrument :
BNA_F
ClientSampleId :
PB169827BS



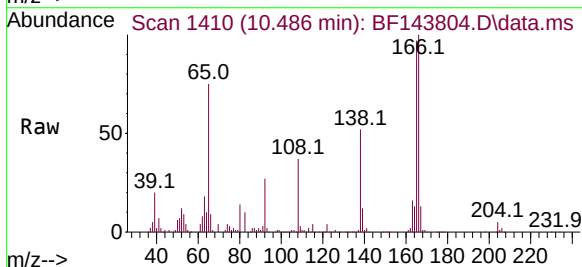
Tgt Ion:204 Resp: 360668
Ion Ratio Lower Upper
204 100
206 33.1 26.7 40.1
141 56.6 48.2 72.2

Manual Integrations
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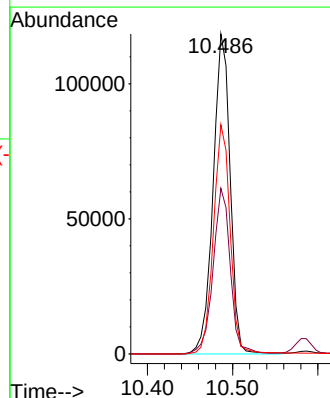
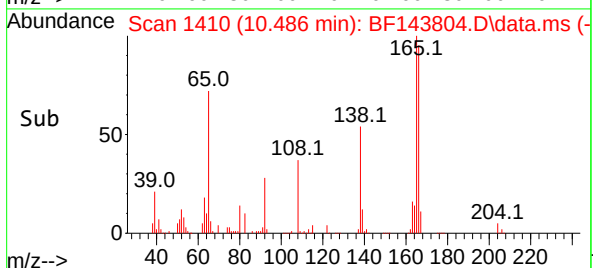
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

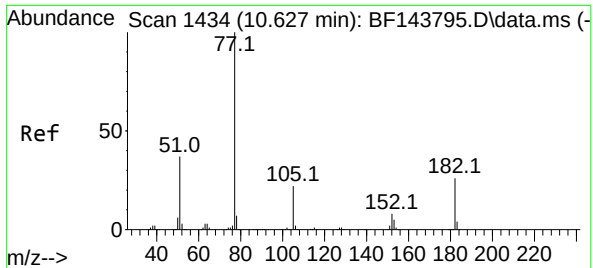


#62
4-Nitroaniline
Concen: 48.768 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



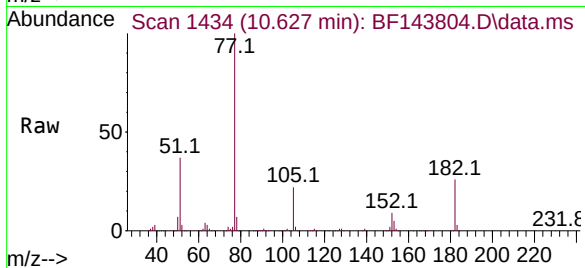
Tgt Ion:138 Resp: 164334
Ion Ratio Lower Upper
138 100
92 51.7 31.5 71.5
108 71.6 51.9 91.9





#63
Azobenzene
Concen: 44.894 ng
RT: 10.627 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

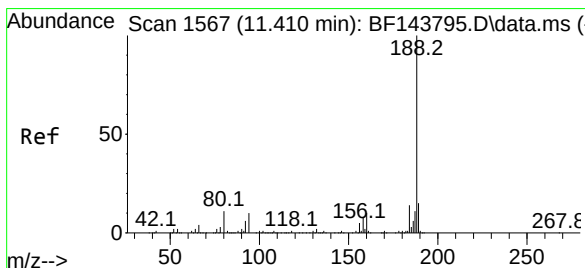
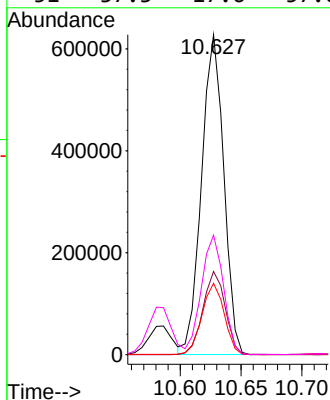
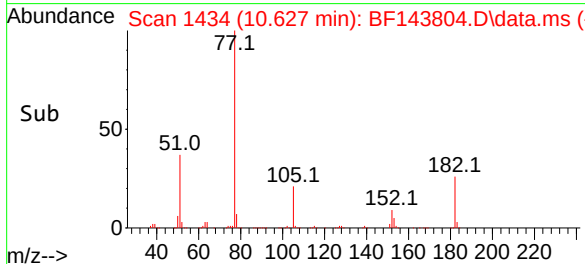
Instrument :
BNA_F
ClientSampleId :
PB169827BS



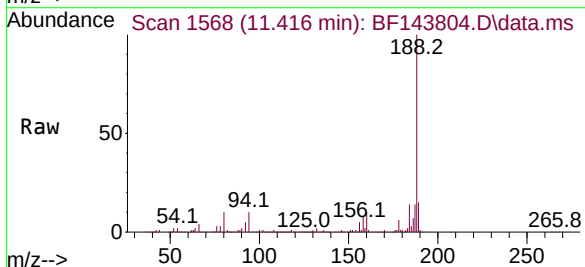
Tgt Ion: 77 Resp: 797009
Ion Ratio Lower Upper
77 100
182 26.0 5.9 45.9
105 22.3 2.3 42.3
51 37.3 17.6 57.6

Manual Integrations
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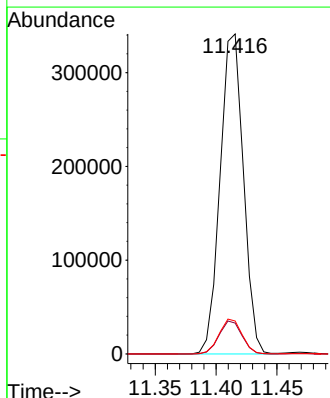
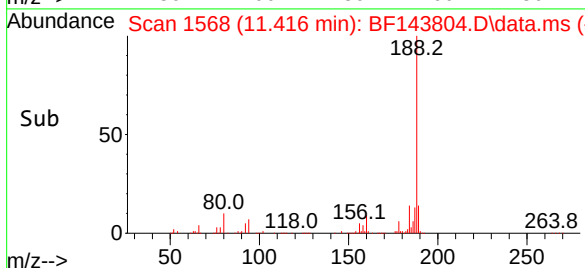
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

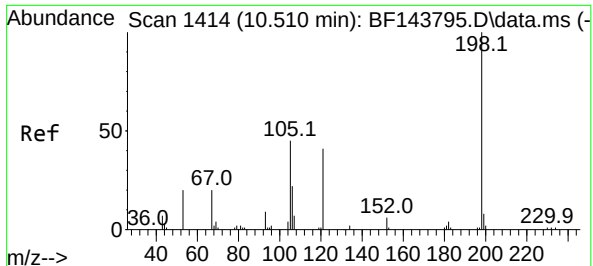


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



Tgt Ion:188 Resp: 455131
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.2
80 10.3 8.6 12.8





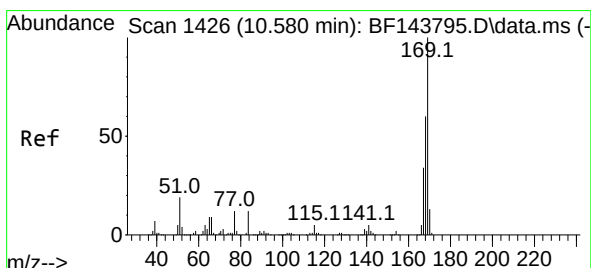
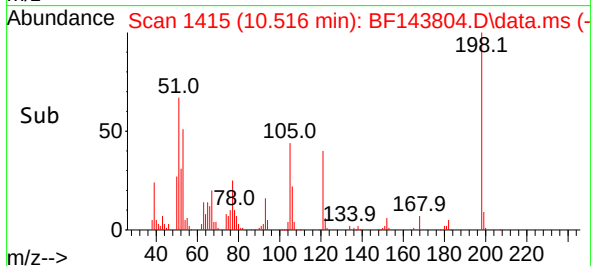
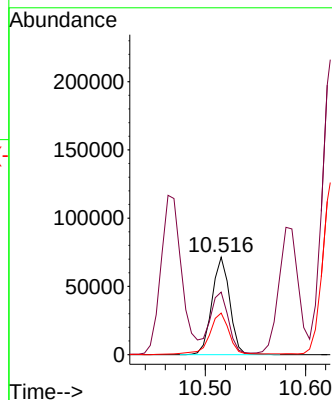
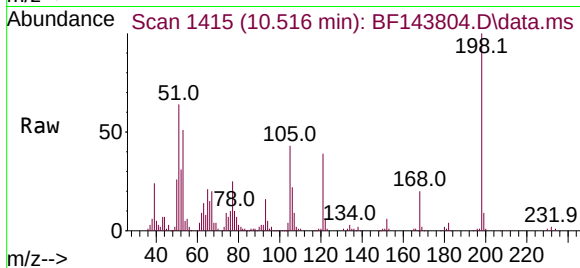
#65
4,6-Dinitro-2-methylphenol
Concen: 51.358 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Instrument :
BNA_F
ClientSampleId :
PB169827BS

Tgt Ion:198 Resp: 87321
Ion Ratio Lower Upper
198 100
51 64.3 52.0 92.0
105 42.7 27.5 67.5

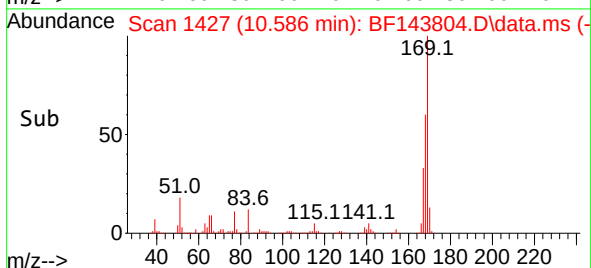
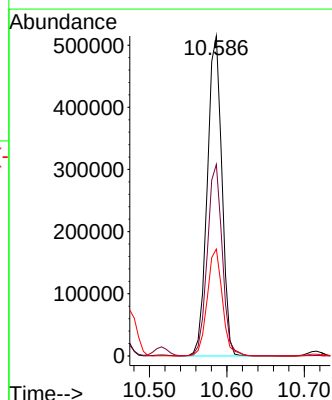
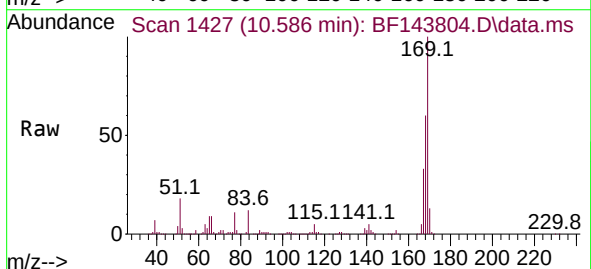
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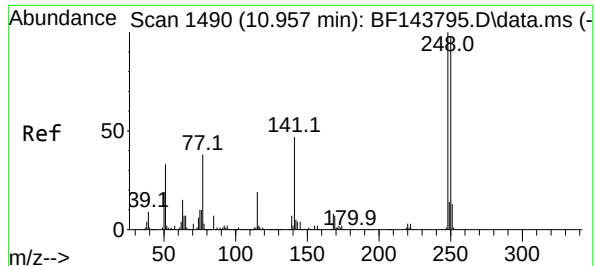
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#66
n-Nitrosodiphenylamine
Concen: 44.861 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

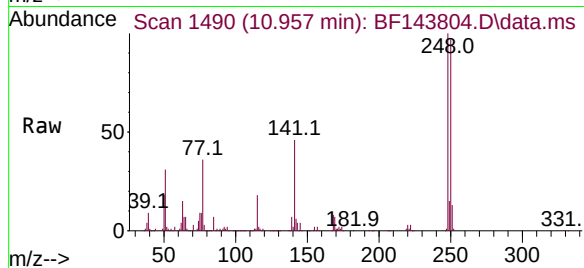
Tgt Ion:169 Resp: 671478
Ion Ratio Lower Upper
169 100
168 59.8 47.9 71.9
167 33.4 27.0 40.6





#67
4-Bromophenyl-phenylether
Concen: 46.988 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

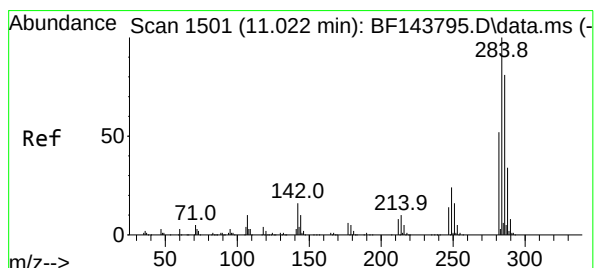
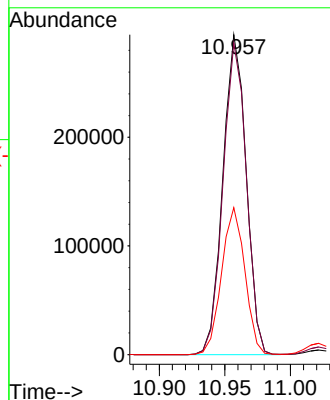
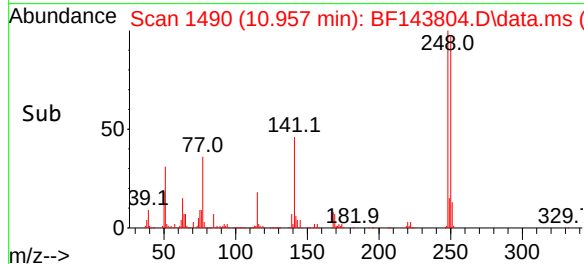
Instrument :
BNA_F
ClientSampleId :
PB169827BS



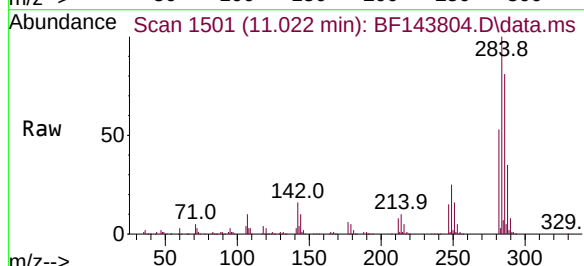
Tgt Ion:248 Resp: 36444
Ion Ratio Lower Upper
248 100
250 97.4 78.7 118.1
141 45.9 37.9 56.9

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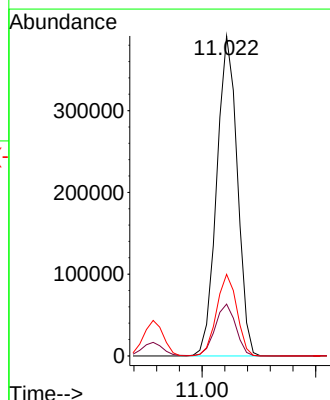
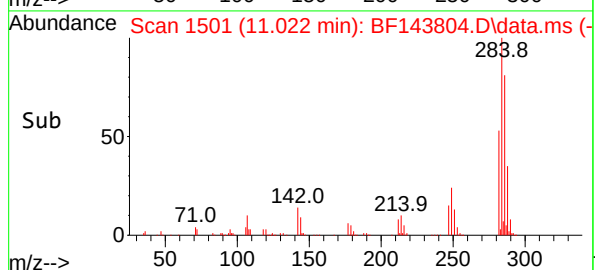
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

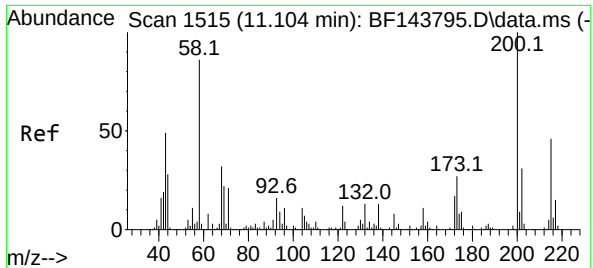


#68
Hexachlorobenzene
Concen: 46.029 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



Tgt Ion:284 Resp: 491991
Ion Ratio Lower Upper
284 100
142 16.2 13.1 19.7
249 25.5 19.5 29.3





#69

Atrazine

Concen: 46.880 ng

RT: 11.110 min Scan# 1515

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:200 Resp: 203198

Ion Ratio Lower Upper

200 100

173 26.7 7.2 47.2

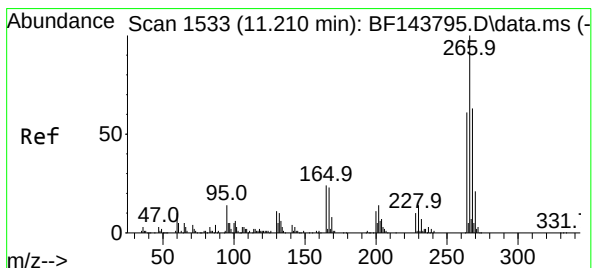
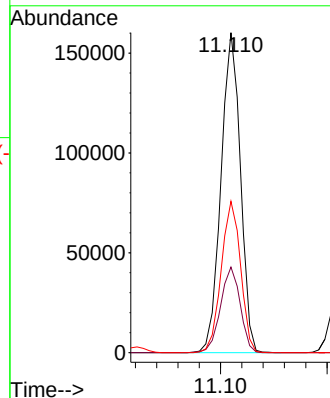
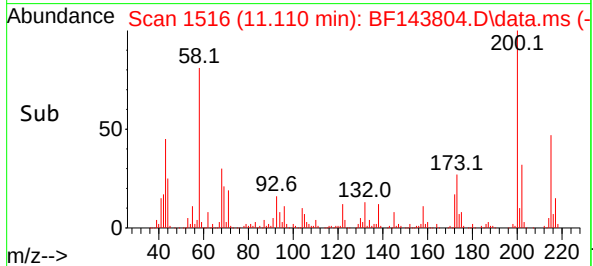
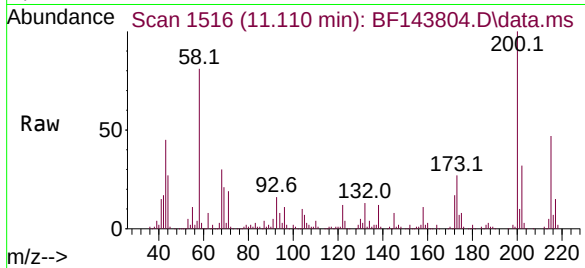
215 47.3 26.0 66.0

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#70

Pentachlorophenol

Concen: 97.219 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

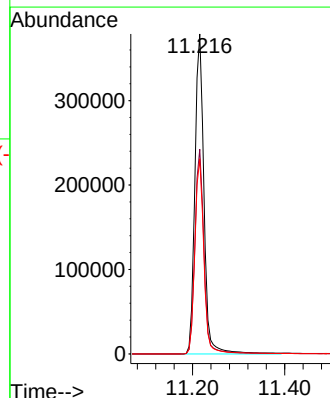
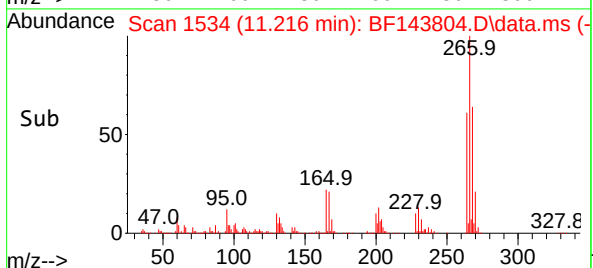
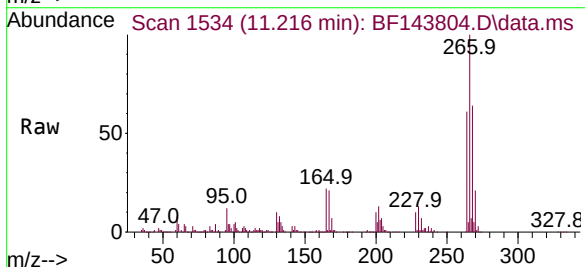
Tgt Ion:266 Resp: 517265

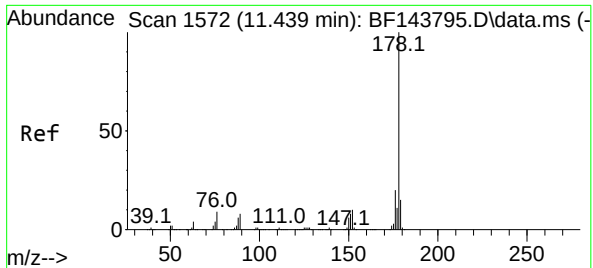
Ion Ratio Lower Upper

266 100

268 64.0 50.5 75.7

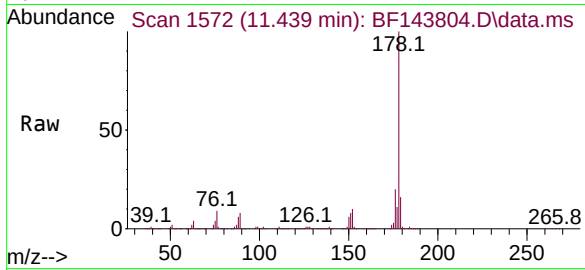
264 61.0 48.8 73.2





#71
Phenanthrene
Concen: 43.443 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

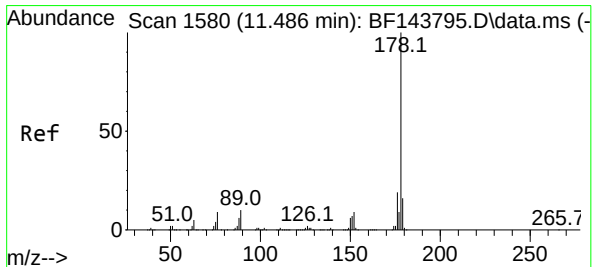
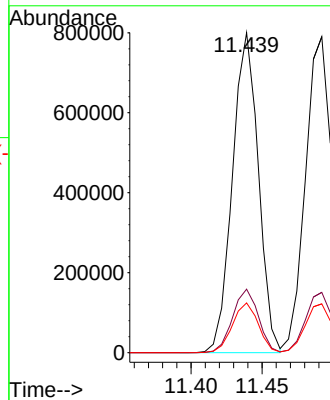
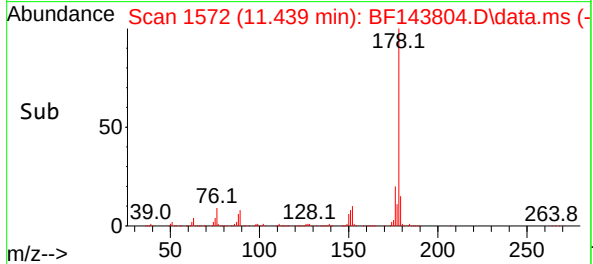
Instrument :
BNA_F
ClientSampleId :
PB169827BS



Tgt Ion:178 Resp: 1015112
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.5 12.2 18.4

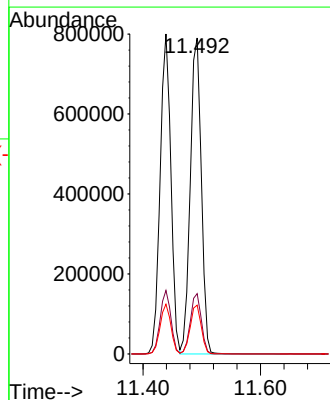
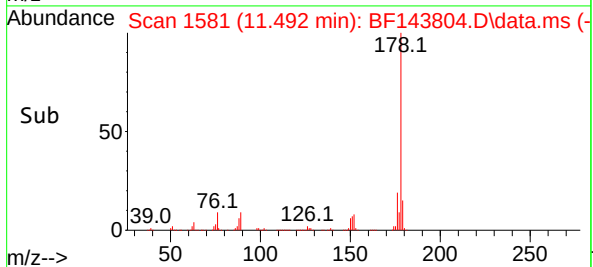
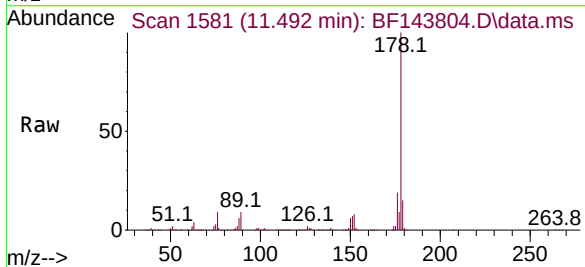
Manual Integrations
APPROVED

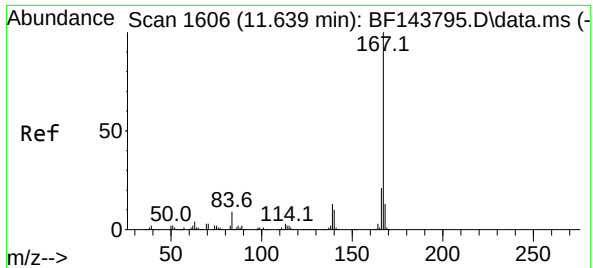
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#72
Anthracene
Concen: 43.931 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

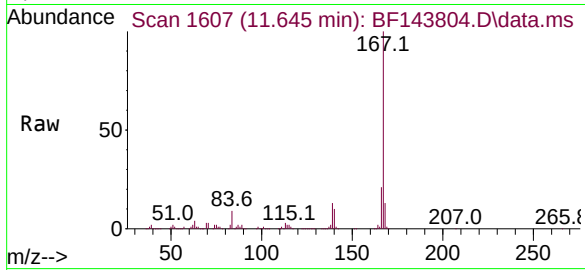
Tgt Ion:178 Resp: 1029676
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.8 19.2





#73
 Carbazole
 Concen: 43.666 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. -0.000 min
 Lab File: BF143804.D
 Acq: 25 Sep 2025 14:16

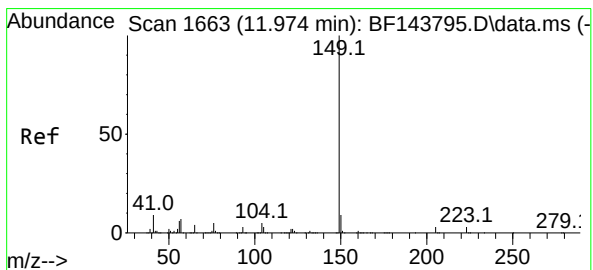
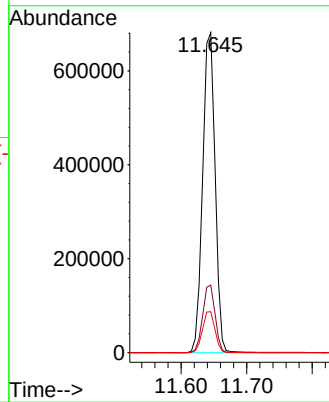
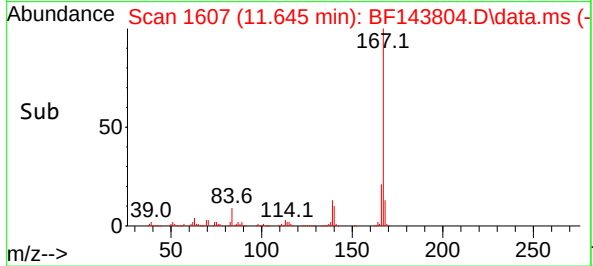
Instrument :
 BNA_F
 ClientSampleId :
 PB169827BS



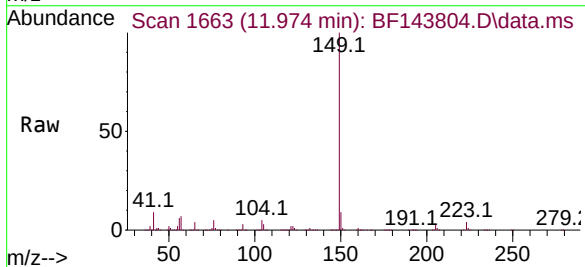
Tgt Ion:167 Resp: 894842
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.4
 139 12.8 10.6 15.8

Manual Integrations
 APPROVED

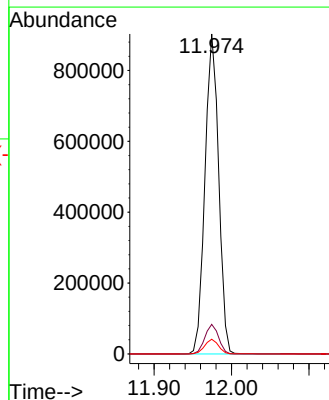
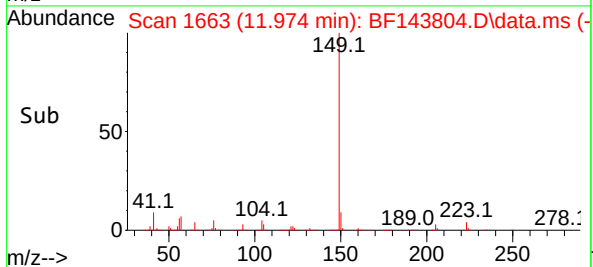
Reviewed By :Rahul Chavli 09/26/2025
 Supervised By :Jagrut Upadhyay 09/26/2025

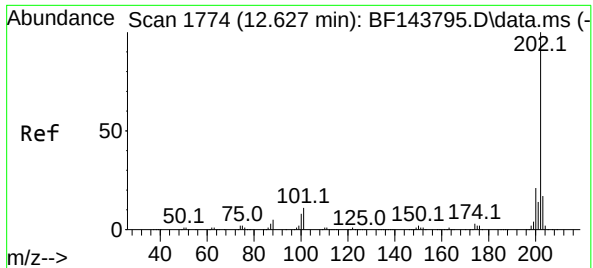


#74
 Di-n-butylphthalate
 Concen: 46.909 ng
 RT: 11.974 min Scan# 1663
 Delta R.T. -0.000 min
 Lab File: BF143804.D
 Acq: 25 Sep 2025 14:16



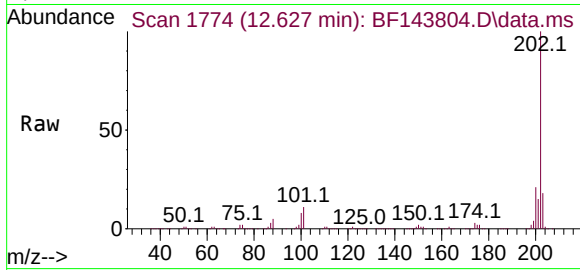
Tgt Ion:149 Resp: 1105559
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 4.6 3.6 5.4





#75
Fluoranthene
Concen: 43.497 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

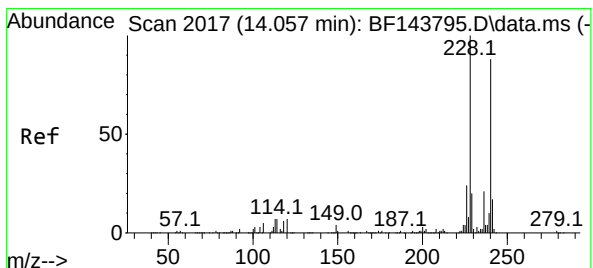
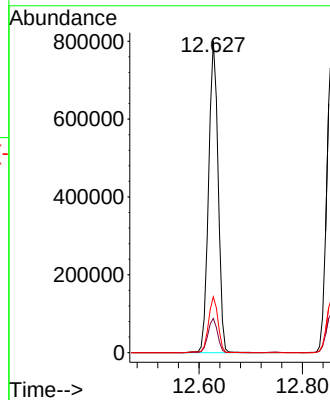
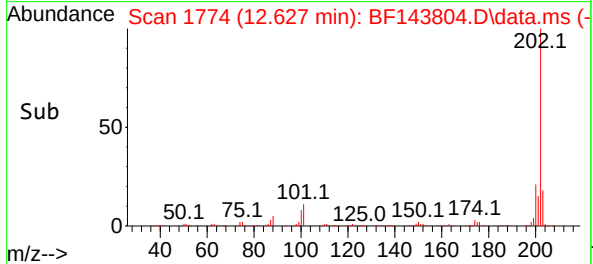
Instrument :
BNA_F
ClientSampleId :
PB169827BS



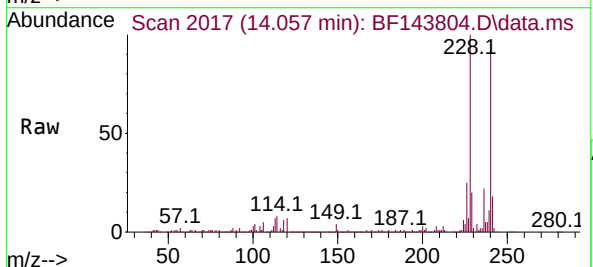
Tgt Ion:202 Resp: 1022236
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.1
203 17.9 0.0 37.4

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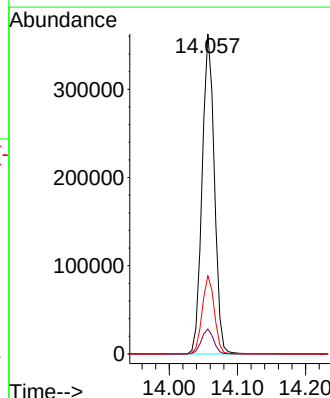
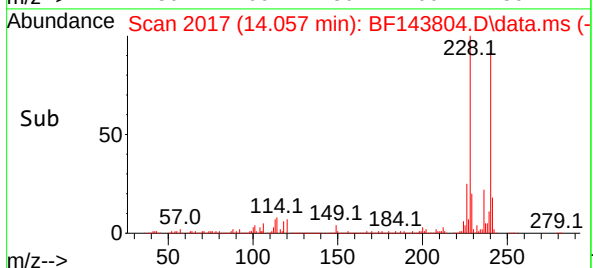
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

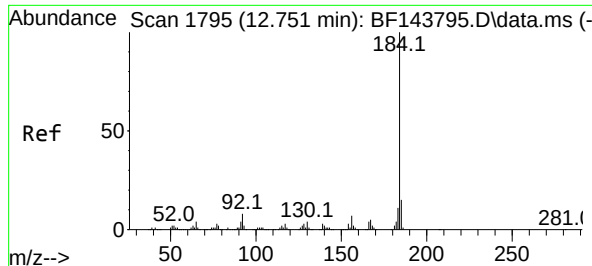


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 1717
Delta R.T. -0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



Tgt Ion:240 Resp: 452412
Ion Ratio Lower Upper
240 100
120 7.8 6.2 9.4
236 24.4 19.4 29.2





#77

Benzidine

Concen: 27.143 ng

RT: 12.751 min Scan# 1795

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

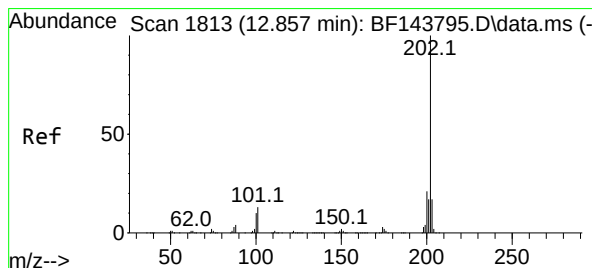
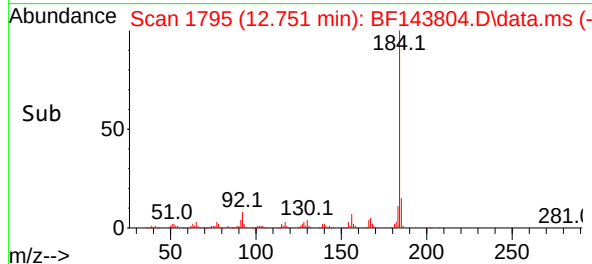
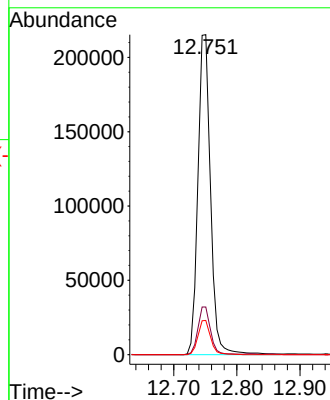
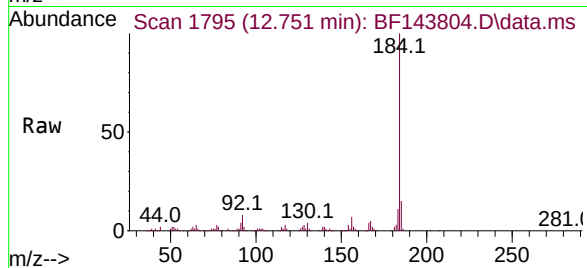
Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.6	17.4
183	10.7	8.6	13.0

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#78

Pyrene

Concen: 47.181 ng

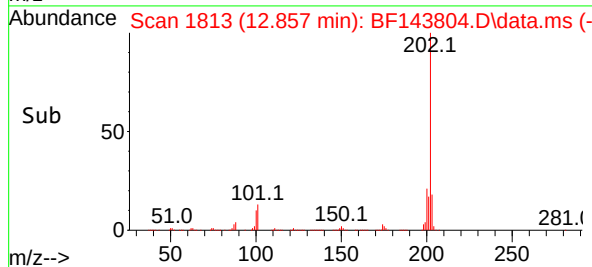
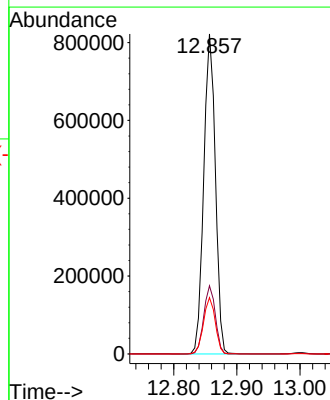
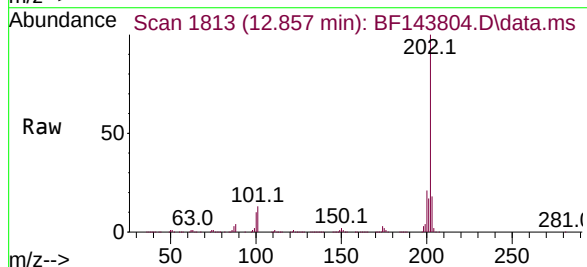
RT: 12.857 min Scan# 1813

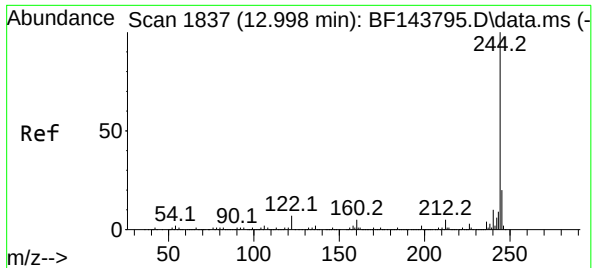
Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.6	13.9	20.9





#79

Terphenyl-d14

Concen: 92.433 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143804.D

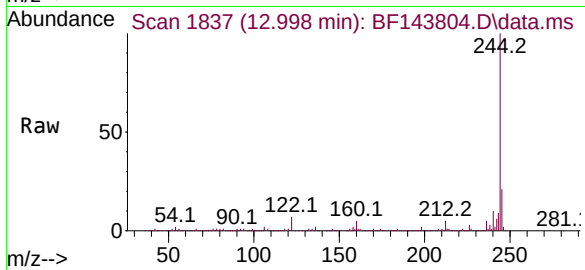
Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS



Tgt Ion:244 Resp: 2056205

Ion Ratio Lower Upper

244 100

212 4.9 3.9 5.9

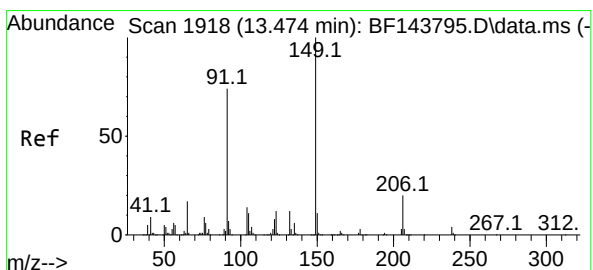
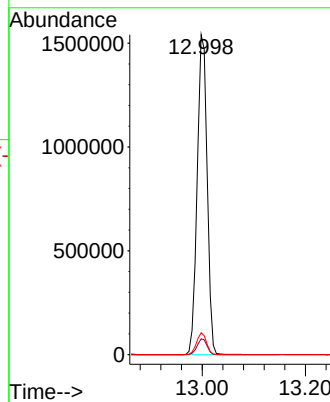
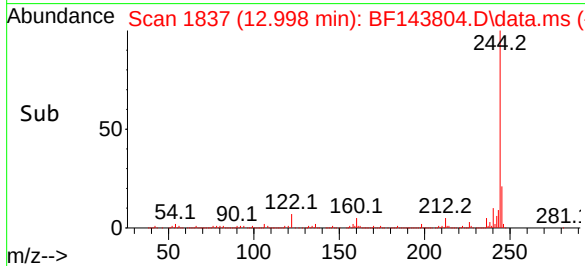
122 6.9 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#80

Butylbenzylphthalate

Concen: 52.890 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

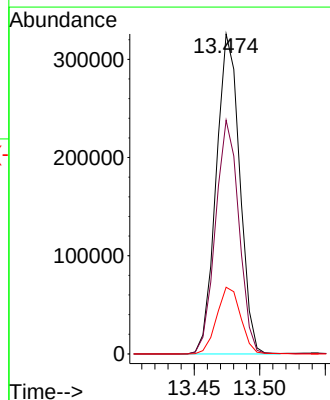
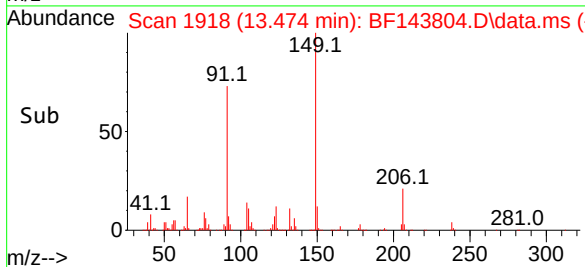
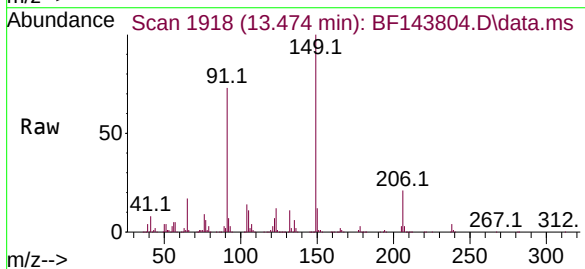
Tgt Ion:149 Resp: 407004

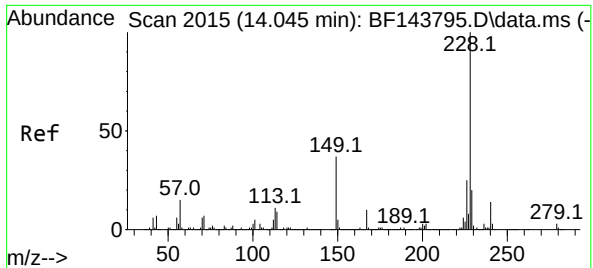
Ion Ratio Lower Upper

149 100

91 73.0 59.5 89.3

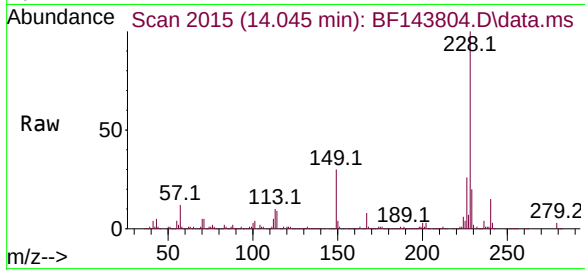
206 20.8 16.1 24.1





#81
Benzo(a)anthracene
Concen: 43.134 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

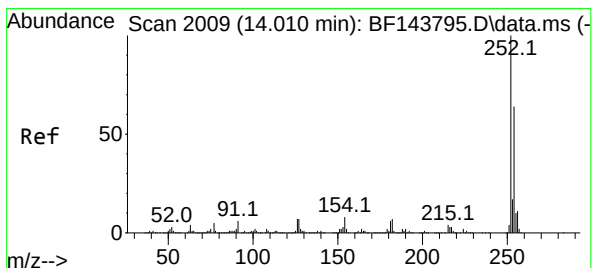
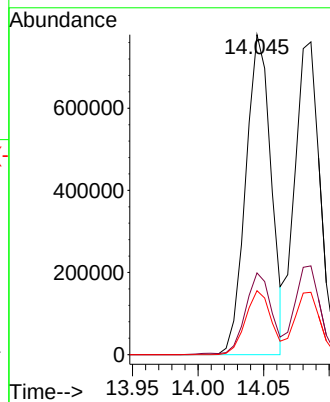
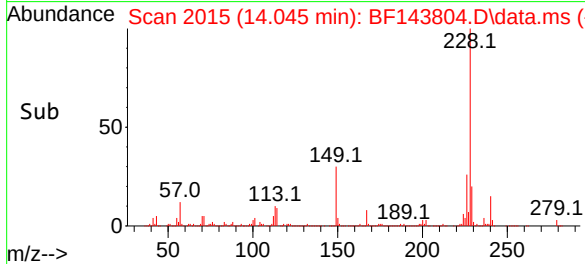
Instrument :
BNA_F
ClientSampleId :
PB169827BS



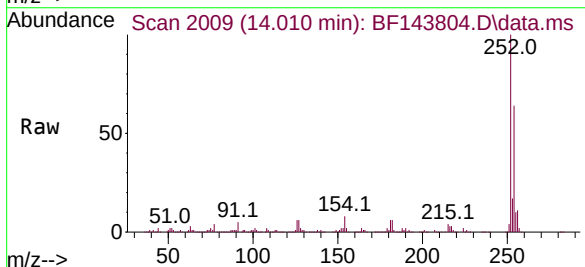
Tgt Ion:228 Resp: 104835
Ion Ratio Lower Upper
228 100
226 25.5 20.2 30.2
229 20.0 16.1 24.1

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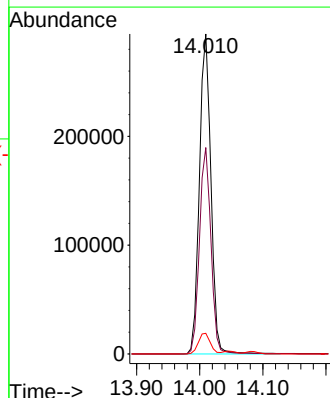
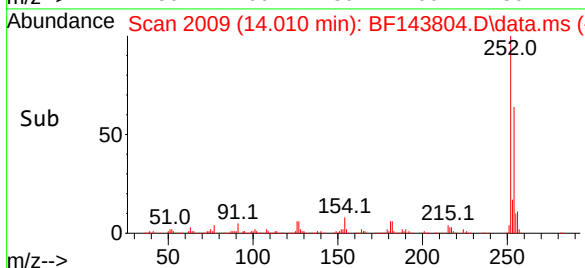
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

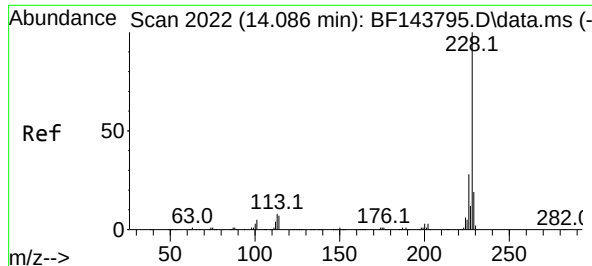


#82
3,3'-Dichlorobenzidine
Concen: 35.360 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



Tgt Ion:252 Resp: 372315
Ion Ratio Lower Upper
252 100
254 64.5 51.5 77.3
126 6.4 5.4 8.2





#83

Chrysene

Concen: 46.164 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:228 Resp: 1015236

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

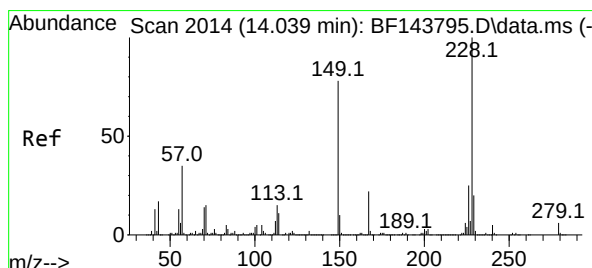
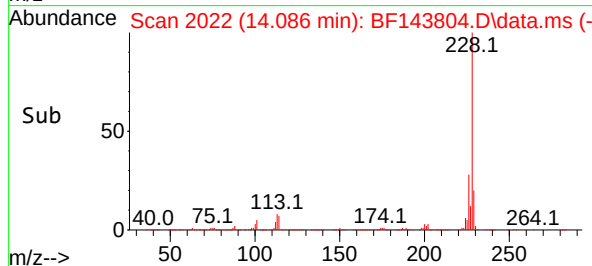
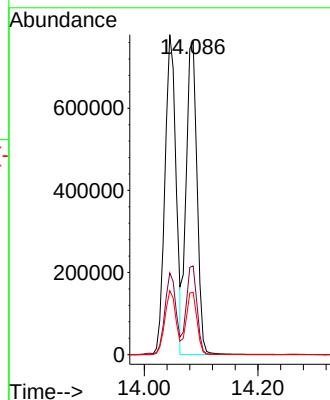
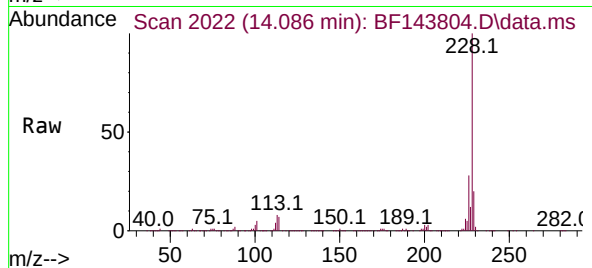
229 19.9 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.147 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

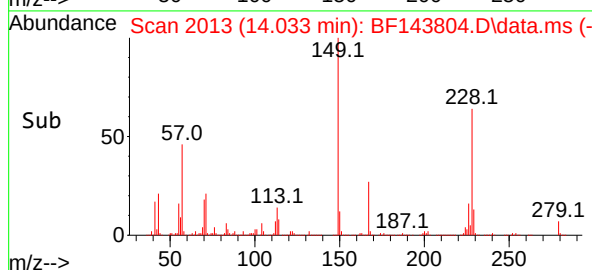
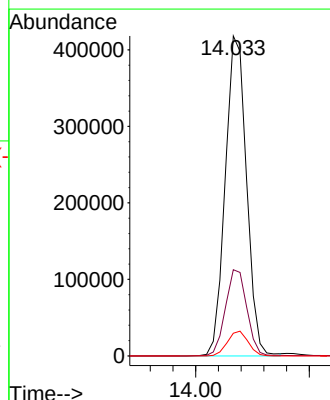
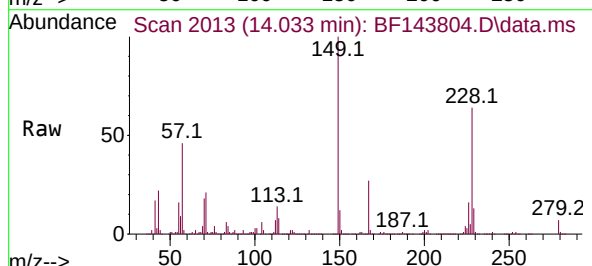
Tgt Ion:149 Resp: 543078

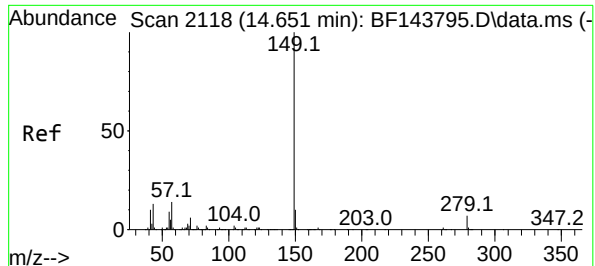
Ion Ratio Lower Upper

149 100

167 26.9 22.2 33.2

279 7.1 6.0 9.0





#85

Di-n-octyl phthalate

Concen: 46.790 ng

RT: 14.651 min Scan# 2118

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:149 Resp: 957348

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

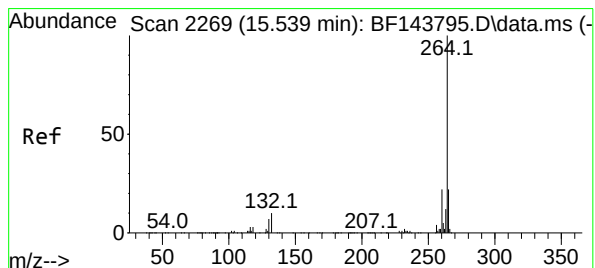
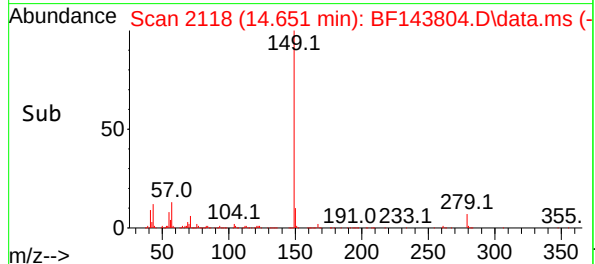
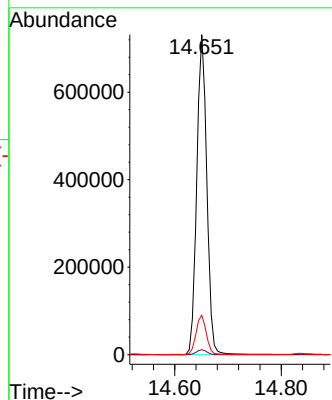
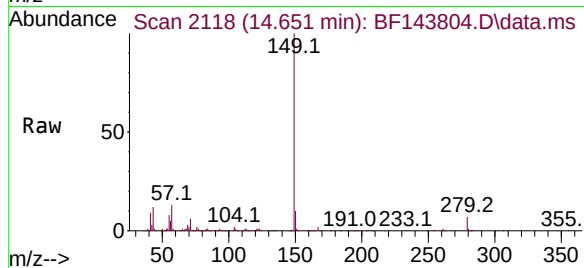
43 12.5 10.7 16.1

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

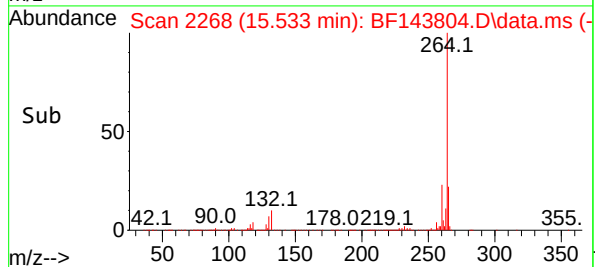
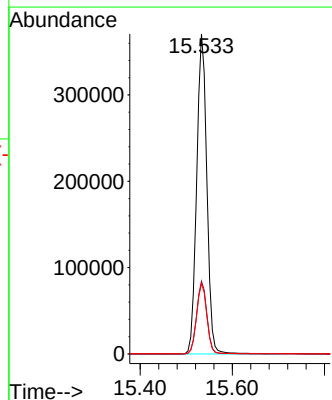
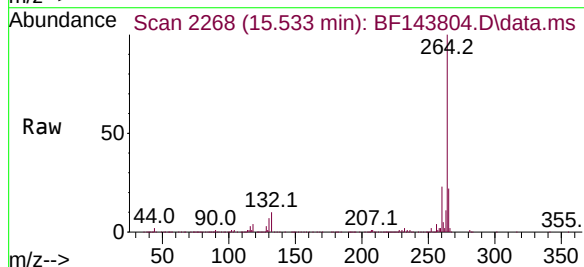
Tgt Ion:264 Resp: 566269

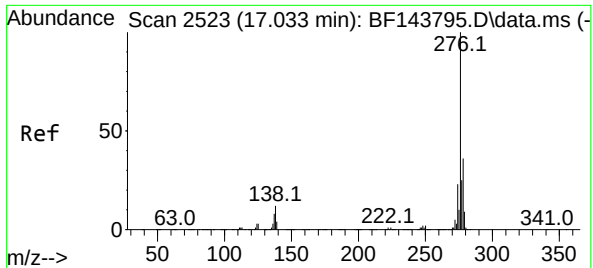
Ion Ratio Lower Upper

264 100

260 22.7 17.9 26.9

265 22.0 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.915 ng

RT: 17.033 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

Tgt Ion:276 Resp: 2058670

Ion Ratio Lower Upper

276 100

138 12.8 10.6 15.8

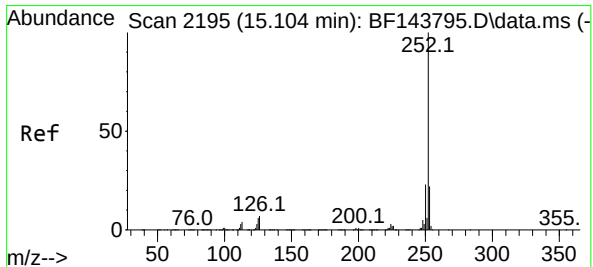
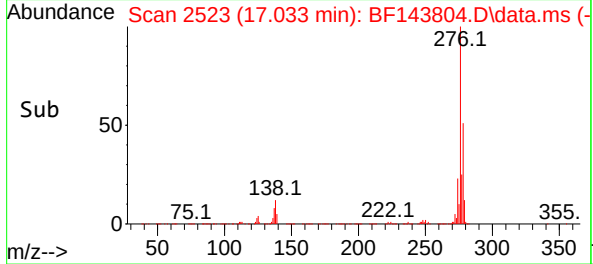
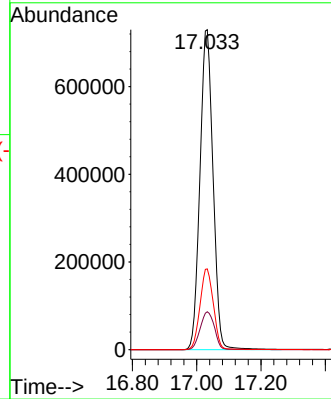
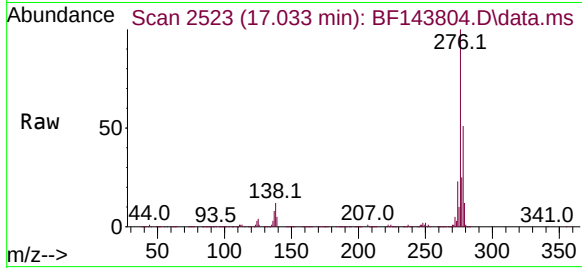
277 25.8 20.7 31.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#88

Benzo(b)fluoranthene

Concen: 51.580 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.000 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

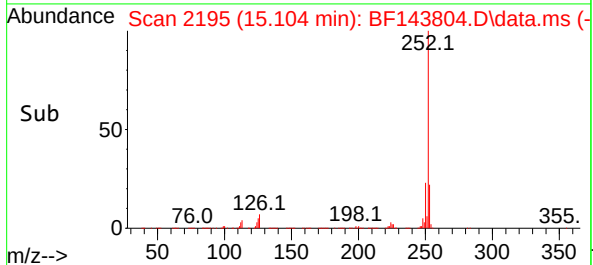
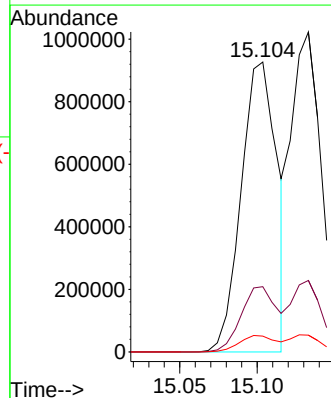
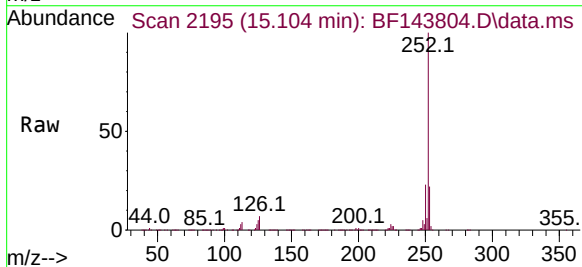
Tgt Ion:252 Resp: 1487418

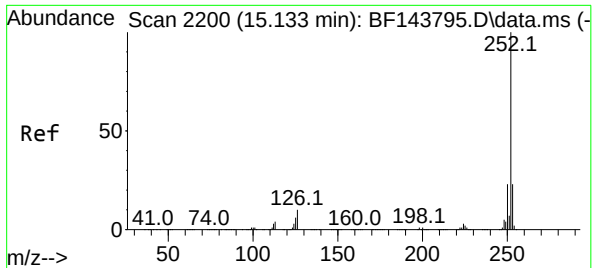
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 5.5 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 48.218 ng

RT: 15.133 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF143804.D

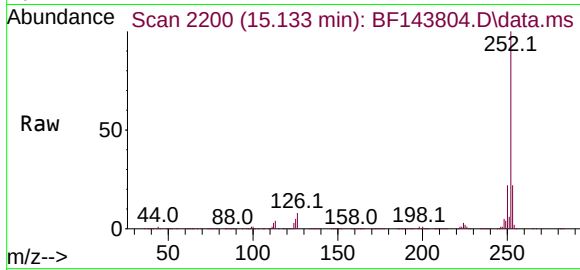
Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS



Tgt Ion:252 Resp: 1396964

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

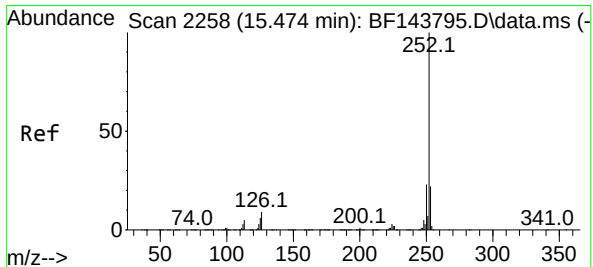
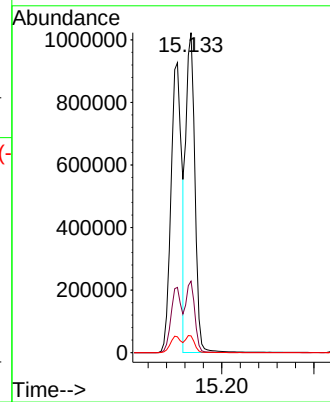
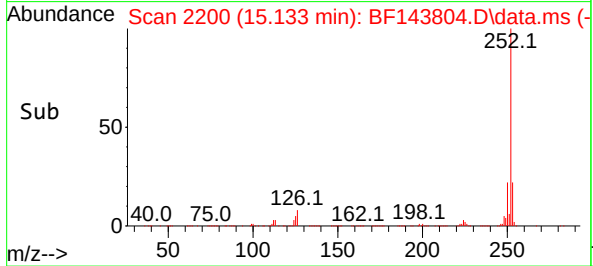
125 5.3 4.6 6.8

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#90

Benzo(a)pyrene

Concen: 51.517 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF143804.D

Acq: 25 Sep 2025 14:16

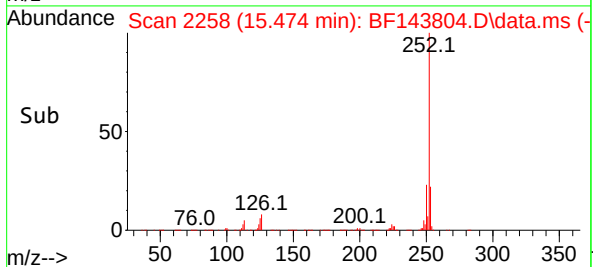
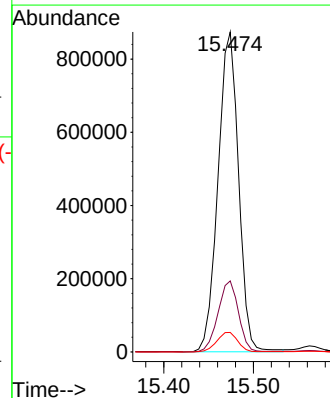
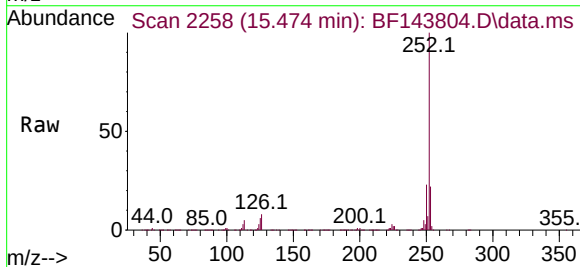
Tgt Ion:252 Resp: 1396443

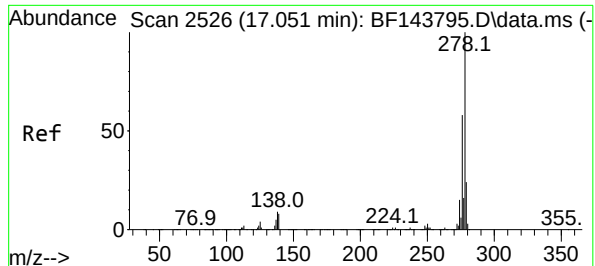
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 6.1 5.0 7.4





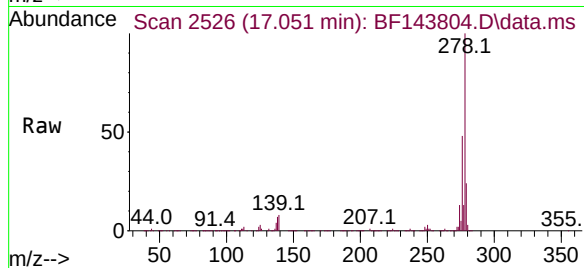
#91
Dibenzo(a,h)anthracene
Concen: 49.195 ng
RT: 17.051 min Scan# 2526
Delta R.T. -0.018 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16

Instrument :

BNA_F

ClientSampleId :

PB169827BS

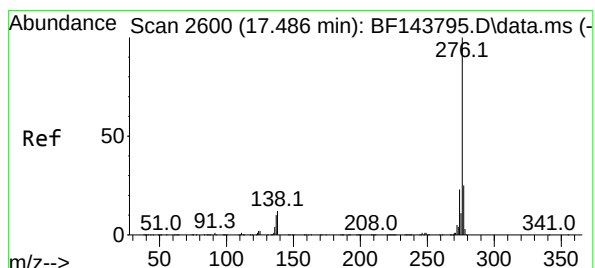
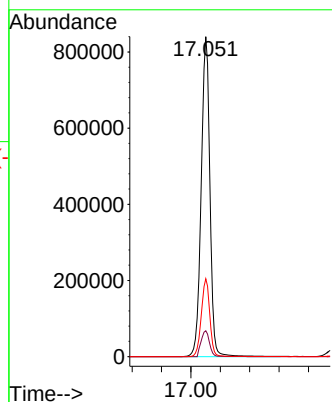
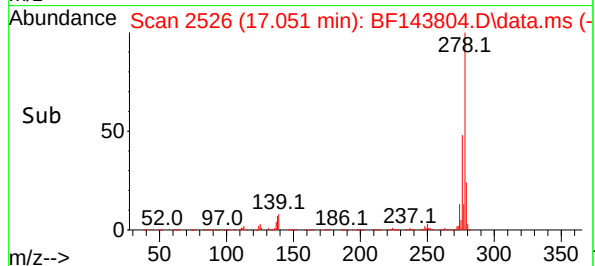


Tgt Ion:278 Resp: 1728792
Ion Ratio Lower Upper
278 100
139 8.1 6.7 10.1
279 24.3 19.3 28.9

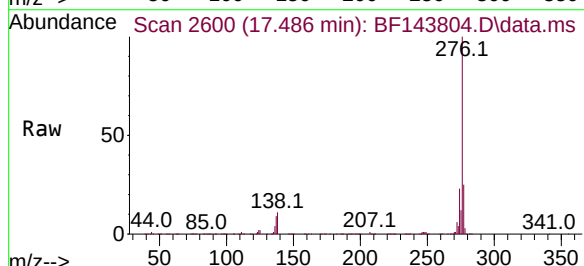
Manual Integrations

APPROVED

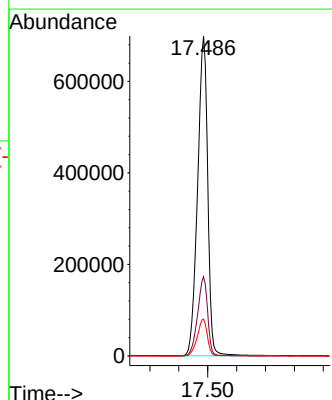
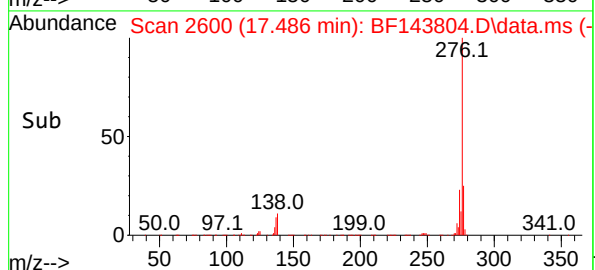
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#92
Benzo(g,h,i)perylene
Concen: 50.033 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.018 min
Lab File: BF143804.D
Acq: 25 Sep 2025 14:16



Tgt Ion:276 Resp: 1694904
Ion Ratio Lower Upper
276 100
277 24.7 19.6 29.4
138 11.5 9.2 13.8



Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01MS	SDG No.:	Q3178
Lab Sample ID:	Q3178-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143817.D	1	09/25/25 09:25	09/25/25 21:50	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1400		220	460	ug/Kg
108-95-2	Phenol	2200		30.9	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2100		34.0	240	ug/Kg
95-57-8	2-Chlorophenol	2100		34.2	240	ug/Kg
95-48-7	2-Methylphenol	2200		41.8	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2000		52.5	240	ug/Kg
98-86-2	Acetophenone	2500		41.3	240	ug/Kg
65794-96-9	3+4-Methylphenols	2100		57.5	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		66.3	110	ug/Kg
67-72-1	Hexachloroethane	2000		24.6	240	ug/Kg
98-95-3	Nitrobenzene	2300		25.6	240	ug/Kg
78-59-1	Isophorone	2300		45.9	240	ug/Kg
88-75-5	2-Nitrophenol	2500		81.5	240	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		90.7	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2200		43.1	240	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		39.6	240	ug/Kg
91-20-3	Naphthalene	2100		31.8	240	ug/Kg
106-47-8	4-Chloroaniline	860		49.5	240	ug/Kg
87-68-3	Hexachlorobutadiene	2100		35.4	240	ug/Kg
105-60-2	Caprolactam	2500		72.9	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		40.2	240	ug/Kg
91-57-6	2-Methylnaphthalene	1900		35.8	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	160	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2400		27.7	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		40.7	240	ug/Kg
92-52-4	1,1-Biphenyl	2400		30.5	240	ug/Kg
91-58-7	2-Chloronaphthalene	2200		31.5	240	ug/Kg
88-74-4	2-Nitroaniline	2700		67.3	240	ug/Kg
131-11-3	Dimethylphthalate	2300		37.9	240	ug/Kg

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Analytical Method:	8270E	% Solid:	71.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143817.D	1	09/25/25 09:25	09/25/25 21:50	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2500		40.4	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	2900		47.0	240	ug/Kg
99-09-2	3-Nitroaniline	1800		64.4	240	ug/Kg
83-32-9	Acenaphthene	2200		29.8	240	ug/Kg
51-28-5	2,4-Dinitrophenol	3000		320	460	ug/Kg
100-02-7	4-Nitrophenol	5300	E	150	460	ug/Kg
132-64-9	Dibenzofuran	2200		31.8	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	2600		70.1	240	ug/Kg
84-66-2	Diethylphthalate	2300		39.6	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2200		37.4	240	ug/Kg
86-73-7	Fluorene	2200		35.4	240	ug/Kg
100-01-6	4-Nitroaniline	2500		89.9	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		140	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		46.0	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		38.9	240	ug/Kg
118-74-1	Hexachlorobenzene	2100		35.4	240	ug/Kg
1912-24-9	Atrazine	2300		47.6	240	ug/Kg
87-86-5	Pentachlorophenol	5200	E	71.8	460	ug/Kg
85-01-8	Phenanthrene	2200		29.3	240	ug/Kg
120-12-7	Anthracene	2300		46.6	240	ug/Kg
86-74-8	Carbazole	2400		43.7	240	ug/Kg
84-74-2	Di-n-butylphthalate	2300		67.0	240	ug/Kg
206-44-0	Fluoranthene	2700		42.0	240	ug/Kg
129-00-0	Pyrene	2100		50.4	240	ug/Kg
85-68-7	Butylbenzylphthalate	2500		99.9	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1800		51.4	460	ug/Kg
56-55-3	Benzo(a)anthracene	2300		32.2	240	ug/Kg
218-01-9	Chrysene	2300		27.9	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		82.9	240	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		120	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	3000		26.6	240	ug/Kg

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Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

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BF143817.D	1	09/25/25 09:25	09/25/25 21:50	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2300		31.4	240	ug/Kg
50-32-8	Benzo(a)pyrene	2500		41.3	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		40.7	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		38.3	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		36.0	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2400		35.8	240	ug/Kg
123-91-1	1,4-Dioxane	2100		63.3	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2700		38.3	240	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	83.4		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	85.1		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.6		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.8		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.2		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	48.3		10 - 105	48%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	121000	6.886			
1146-65-2	Naphthalene-d8	419000	8.169			
15067-26-2	Acenaphthene-d10	197000	9.922			
1517-22-2	Phenanthrene-d10	339000	11.41			
1719-03-5	Chrysene-d12	466000	14.062			
1520-96-3	Perylene-d12	480000	15.533			

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\BF092525\
 Data File : BF143817.D
 Acq On : 25 Sep 2025 21:50
 Operator : RC/JU
 Sample : Q3178-02MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-TS14-01MS

Quant Time: Sep 25 23:26:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	121227	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	419443	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	197016	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	338625	20.000	ng	0.00
76) Chrysene-d12	14.062	240	466221	20.000	ng	0.00
86) Perylene-d12	15.533	264	479520	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	622010	83.363	ng	0.00
7) Phenol-d6	6.504	99	733982	85.136	ng	0.00
23) Nitrobenzene-d5	7.445	82	428919	62.594	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	242635	83.176	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	629128	49.831	ng	0.00
79) Terphenyl-d14	12.998	244	1106215	48.255	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	162491	45.498	ng	98
3) Pyridine	3.463	79	440296	45.672	ng	95
4) n-Nitrosodimethylamine	3.410	42	243497	50.373	ng	93
6) Aniline	6.545	93	316454	25.290	ng	99
8) 2-Chlorophenol	6.669	128	346697	45.387	ng	99
9) Benzaldehyde	6.434	77	231488	30.662	ng	99
10) Phenol	6.522	94	470295	46.931	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	360646	45.912	ng	99
12) 1,3-Dichlorobenzene	6.828	146	405018	45.667	ng	99
13) 1,4-Dichlorobenzene	6.904	146	409651	46.284	ng	99
14) 1,2-Dichlorobenzene	7.057	146	388753	46.376	ng	99
15) Benzyl Alcohol	7.022	79	312277	50.129	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	789653	42.394	ng	99
17) 2-Methylphenol	7.134	107	272851	46.138	ng	99
18) Hexachloroethane	7.398	117	135933	43.671	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	246676	44.495	ng	97
20) 3+4-Methylphenols	7.281	107	329519	45.755	ng	94
22) Acetophenone	7.292	105	496044	53.844	ng	98
24) Nitrobenzene	7.463	77	374991	49.371	ng	98
25) Isophorone	7.704	82	653967	48.975	ng	99
26) 2-Nitrophenol	7.781	139	165168	52.687	ng	97
27) 2,4-Dimethylphenol	7.816	122	310866	52.086	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	400670	46.185	ng	98
29) 2,4-Dichlorophenol	8.022	162	270872	46.125	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	298708	49.013	ng	99
31) Naphthalene	8.192	128	918353	45.736	ng	100
32) Benzoic acid	7.910	122	189666	65.866	ng	98
33) 4-Chloroaniline	8.233	127	129374	18.335	ng	97
34) Hexachlorobutadiene	8.310	225	207595	45.693	ng	99
35) Caprolactam	8.592	113	81158	54.068	ng	96
36) 4-Chloro-3-methylphenol	8.710	107	257062	46.673	ng	99
37) 2-Methylnaphthalene	8.880	142	530930	41.467	ng	100
38) 1-Methylnaphthalene	8.980	142	536240	43.757	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	308089	51.818	ng	98
41) Hexachlorocyclopentadiene	9.033	237	321513	85.324	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	192682	51.756	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143817.D
 Acq On : 25 Sep 2025 21:50
 Operator : RC/JU
 Sample : Q3178-02MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-TS14-01MS

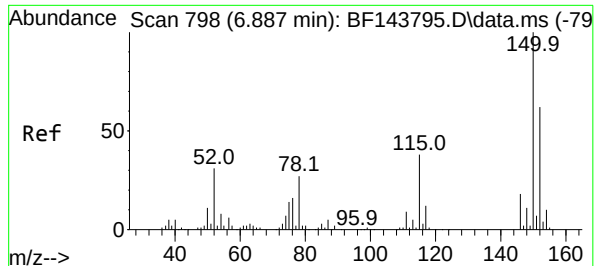
Quant Time: Sep 25 23:26:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	187630	48.183	ng	99
46) 1,1'-Biphenyl	9.345	154	731116	51.265	ng	99
47) 2-Chloronaphthalene	9.369	162	530383	46.202	ng	100
48) 2-Nitroaniline	9.463	65	197163	56.826	ng	99
49) Acenaphthylene	9.786	152	839183	53.101	ng	100
50) Dimethylphthalate	9.639	163	594435	49.503	ng	99
51) 2,6-Dinitrotoluene	9.704	165	123949	62.825	ng	96
52) Acenaphthene	9.957	154	483438	46.485	ng	100
53) 3-Nitroaniline	9.869	138	91177	38.126	ng	99
54) 2,4-Dinitrophenol	9.975	184	47537	63.893	ng	# 63
55) Dibenzofuran	10.127	168	690882	46.979	ng	100
56) 4-Nitrophenol	10.027	139	220693	114.521	ng	93
57) 2,4-Dinitrotoluene	10.104	165	163310	55.295	ng	99
58) Fluorene	10.474	166	523002	47.838	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	190538	57.116	ng	97
60) Diethylphthalate	10.345	149	549355	48.872	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	259499	46.583	ng	99
62) 4-Nitroaniline	10.480	138	119810	53.282	ng	98
63) Azobenzene	10.627	77	586205	49.483	ng	97
65) 4,6-Dinitro-2-methylph...	10.510	198	42324	36.969	ng	92
66) n-Nitrosodiphenylamine	10.580	169	496491	44.583	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	257415	44.607	ng	97
68) Hexachlorobenzene	11.022	284	354496	44.576	ng	99
69) Atrazine	11.110	200	161262	50.006	ng	97
70) Pentachlorophenol	11.216	266	440851	111.364	ng	99
71) Phenanthrene	11.439	178	812817	46.754	ng	100
72) Anthracene	11.486	178	842097	48.290	ng	99
73) Carbazole	11.645	167	788458	51.713	ng	99
74) Di-n-butylphthalate	11.974	149	865492	49.358	ng	100
75) Fluoranthene	12.627	202	1014060	57.995	ng	99
77) Benzidine	12.751	184	400056	35.214	ng	100
78) Pyrene	12.857	202	1054811	46.019	ng	99
80) Butylbenzylphthalate	13.474	149	417931	52.702	ng	99
81) Benzo(a)anthracene	14.051	228	1226054	48.951	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	410788	37.859	ng	99
83) Chrysene	14.086	228	1094367	48.288	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	539945	46.451	ng	100
85) Di-n-octyl phthalate	14.651	149	976739	46.324	ng	96
87) Indeno(1,2,3-cd)pyrene	17.027	276	1234729	33.937	ng	100
88) Benzo(b)fluoranthene	15.104	252	1556899	63.756	ng	99
89) Benzo(k)fluoranthene	15.133	252	1205497	49.137	ng	100
90) Benzo(a)pyrene	15.474	252	1214603	52.915	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	999487	33.587	ng	100
92) Benzo(g,h,i)perylene	17.480	276	973139	33.924	ng	100

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

Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

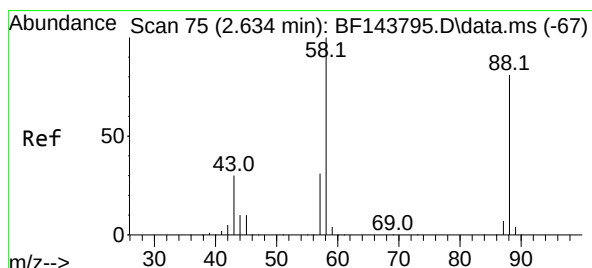
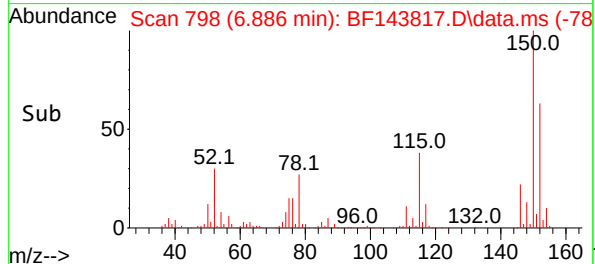
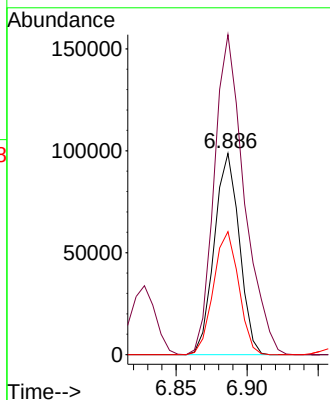
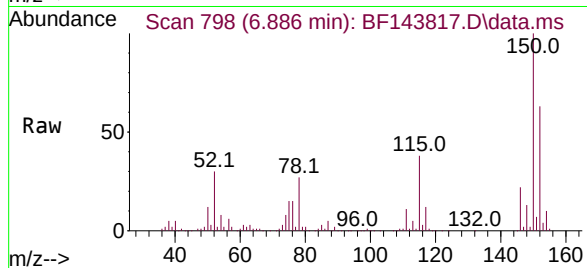
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 79
Delta R.T. -0.001 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

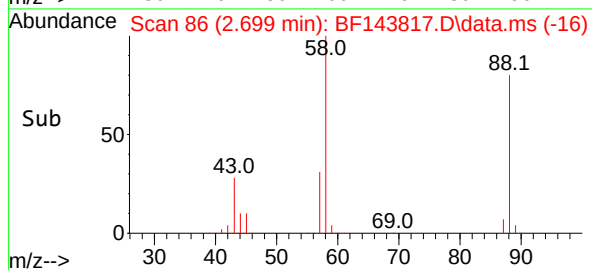
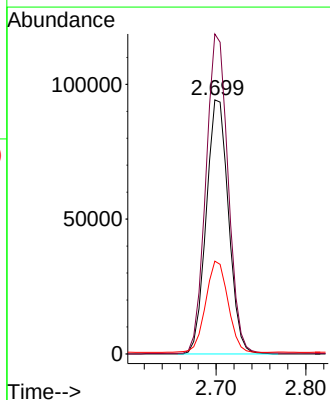
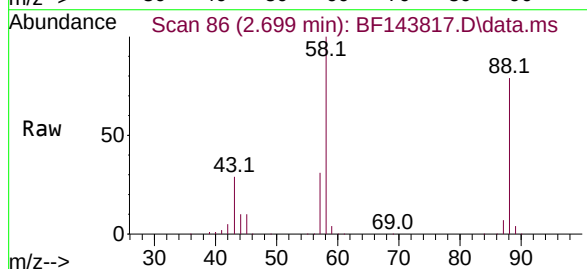
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

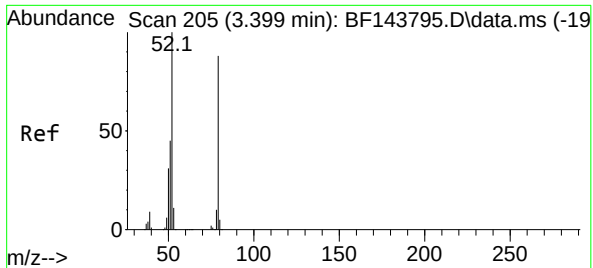
Tgt Ion:152 Resp: 121227
Ion Ratio Lower Upper
152 100
150 159.0 129.6 194.4
115 61.1 49.0 73.4



#2
1,4-Dioxane
Concen: 45.498 ng
RT: 2.699 min Scan# 86
Delta R.T. 0.065 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

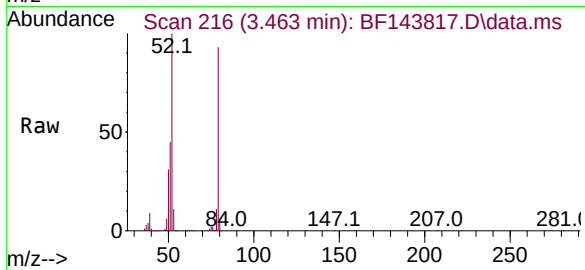
Tgt Ion: 88 Resp: 162491
Ion Ratio Lower Upper
88 100
58 126.1 99.4 149.2
43 36.0 30.6 45.8



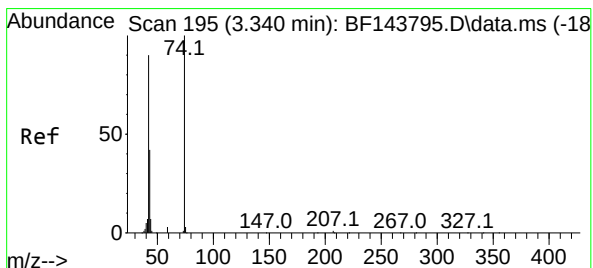
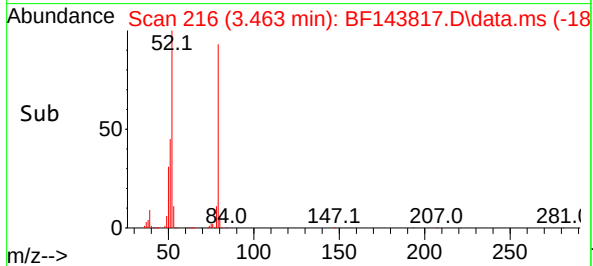
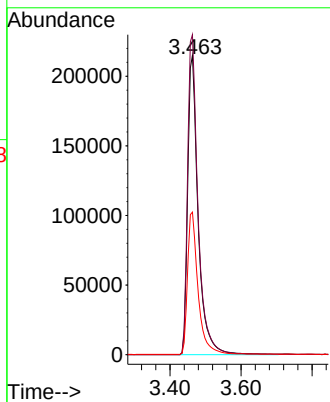


#3
Pyridine
Concen: 45.672 ng
RT: 3.463 min Scan# 21
Delta R.T. 0.065 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

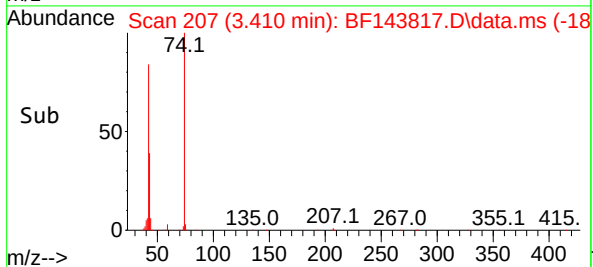
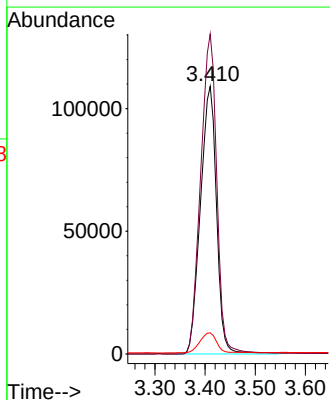
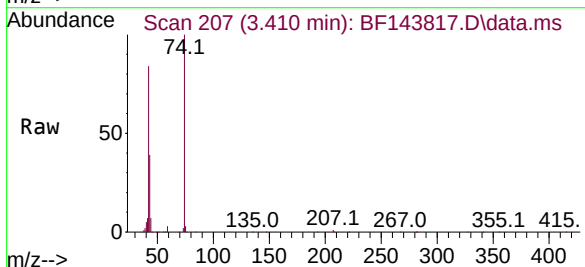


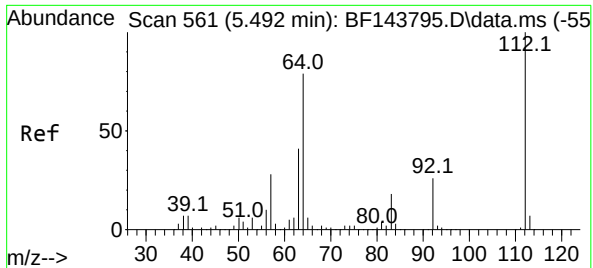
Tgt Ion: 79 Resp: 440296
Ion Ratio Lower Upper
79 100
52 107.0 90.5 135.7
51 47.6 40.6 61.0



#4
n-Nitrosodimethylamine
Concen: 50.373 ng
RT: 3.410 min Scan# 207
Delta R.T. 0.053 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion: 42 Resp: 243497
Ion Ratio Lower Upper
42 100
74 119.6 89.1 133.7
44 7.9 6.4 9.6

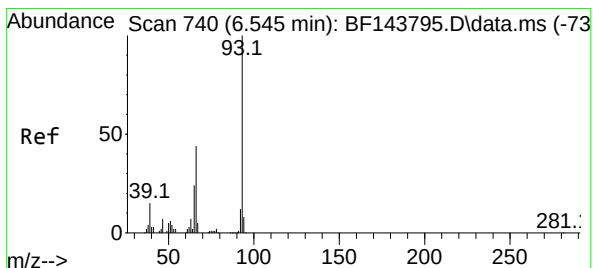
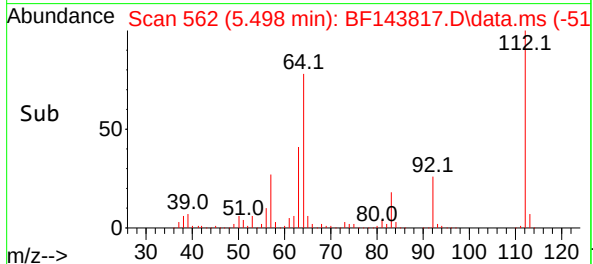
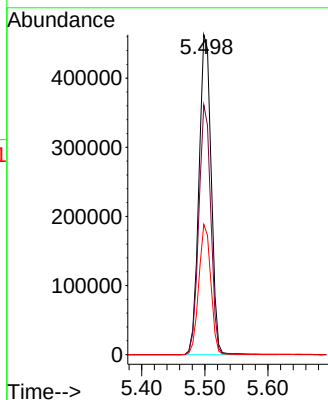
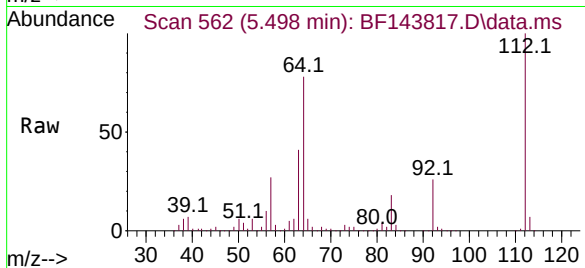




#5
2-Fluorophenol
Concen: 83.363 ng
RT: 5.498 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

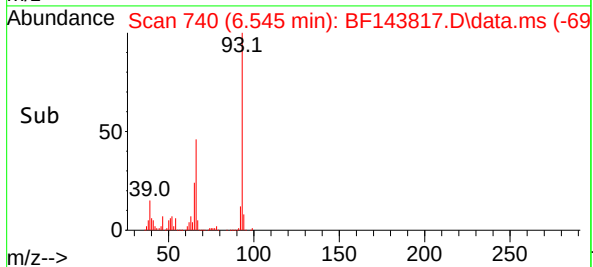
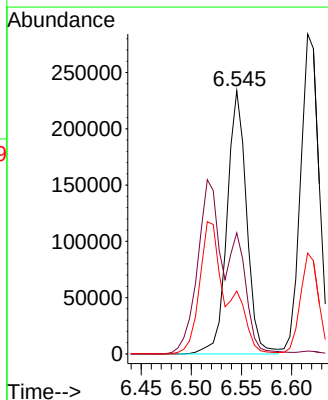
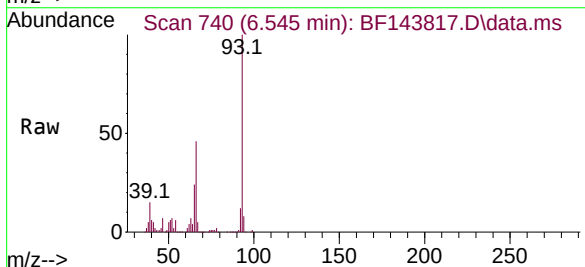
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

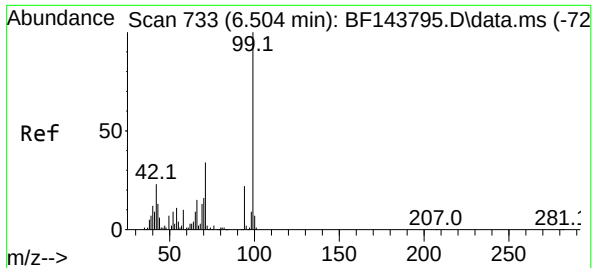
Tgt Ion:112 Resp: 622010
Ion Ratio Lower Upper
112 100
64 78.1 63.0 94.4
63 40.7 32.6 49.0



#6
Aniline
Concen: 25.290 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion: 93 Resp: 316454
Ion Ratio Lower Upper
93 100
66 46.0 37.1 55.7
65 23.9 19.4 29.0

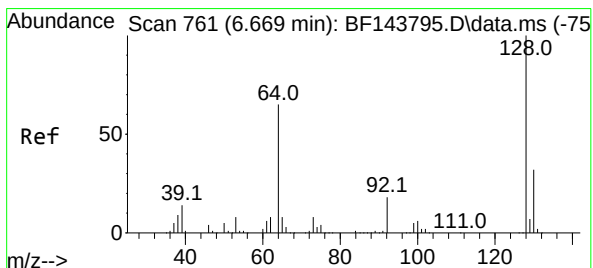
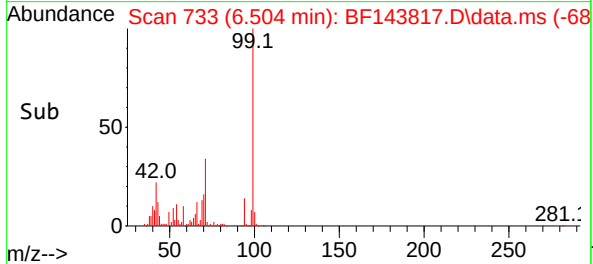
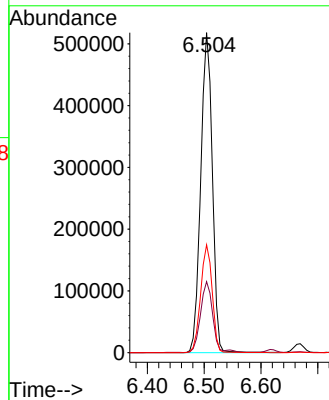
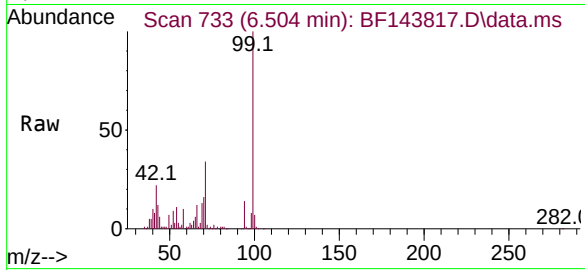




#7
Phenol-d6
Concen: 85.136 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

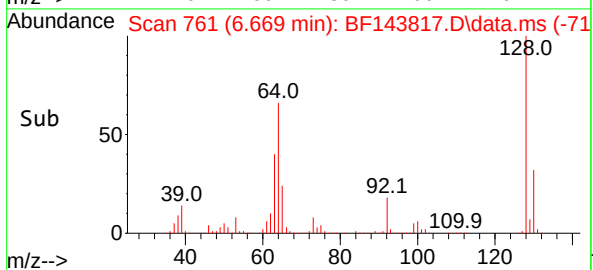
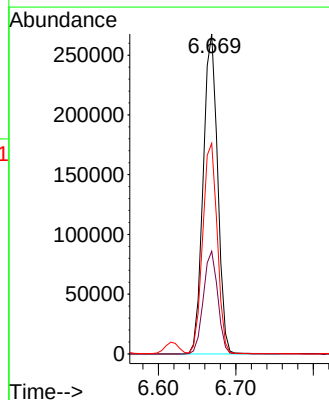
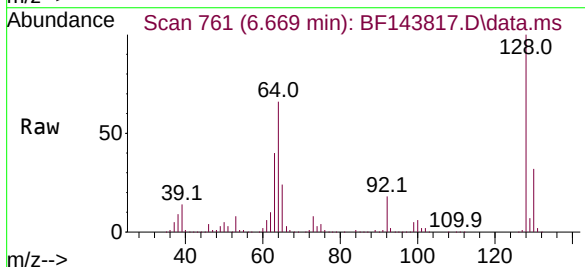
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

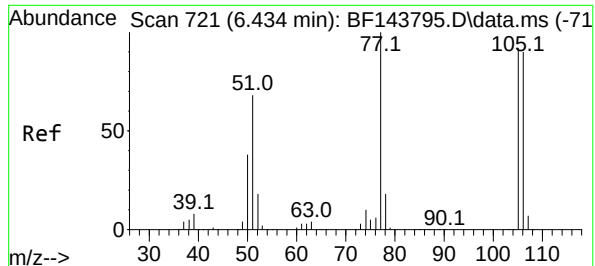
Tgt Ion: 99 Resp: 733982
Ion Ratio Lower Upper
99 100
42 22.2 18.6 28.0
71 33.7 27.0 40.4



#8
2-Chlorophenol
Concen: 45.387 ng
RT: 6.669 min Scan# 761
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion: 128 Resp: 346697
Ion Ratio Lower Upper
128 100
130 32.1 12.2 52.2
64 65.8 46.5 86.5





#9

Benzaldehyde

Concen: 30.662 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

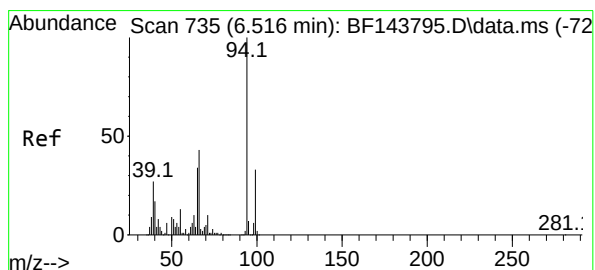
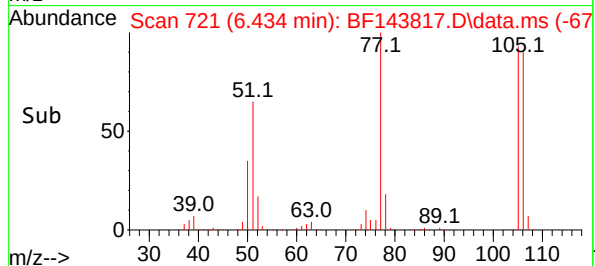
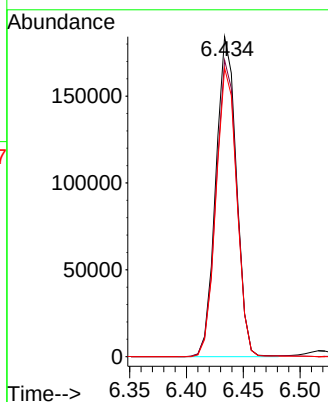
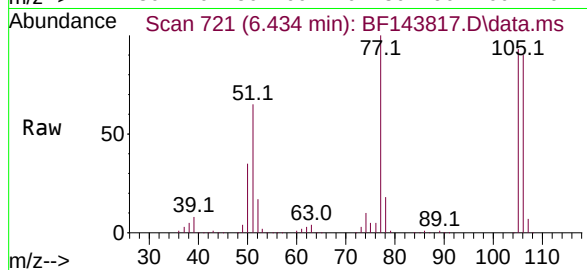
Tgt Ion: 77 Resp: 231488

Ion Ratio Lower Upper

77 100

105 92.6 71.8 111.8

106 90.2 69.8 109.8



#10

Phenol

Concen: 46.931 ng

RT: 6.522 min Scan# 736

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

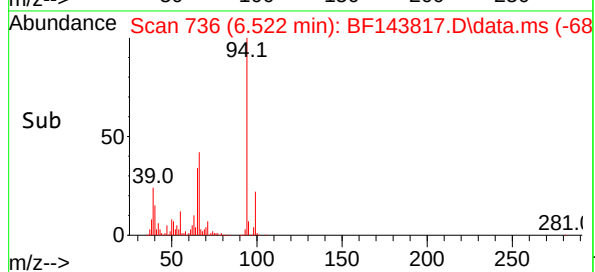
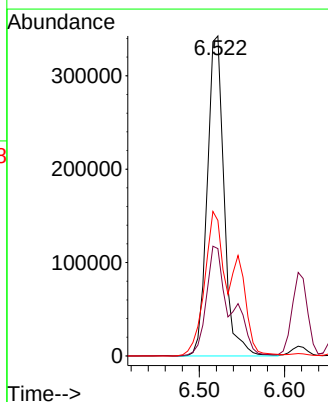
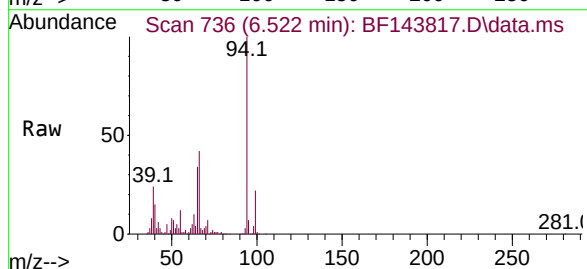
Tgt Ion: 94 Resp: 470295

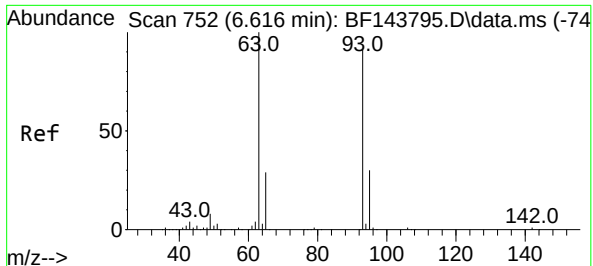
Ion Ratio Lower Upper

94 100

65 33.5 14.2 54.2

66 42.3 24.1 64.1

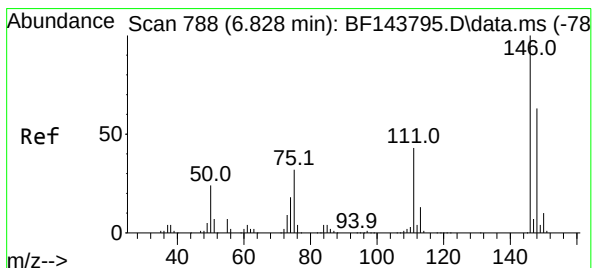
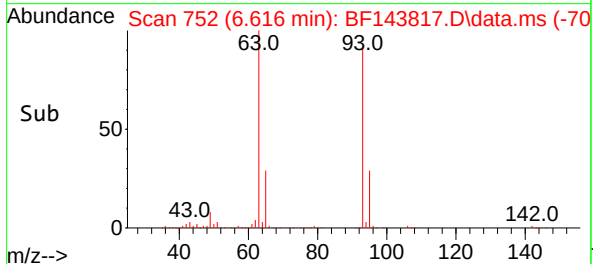
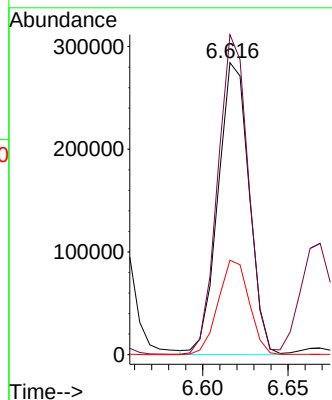
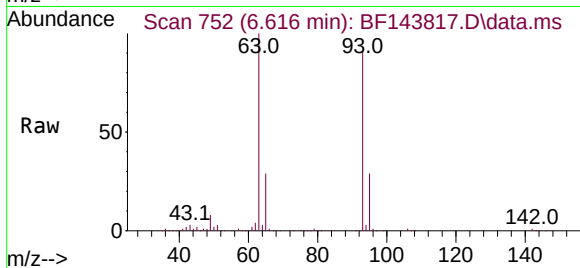




#11
bis(2-Chloroethyl)ether
Concen: 45.912 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

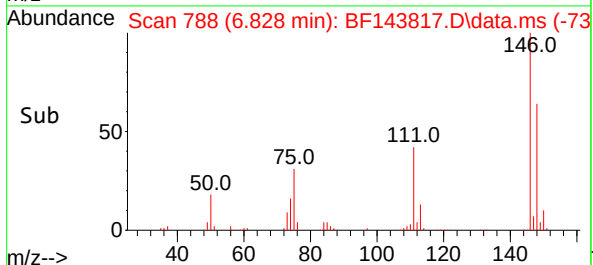
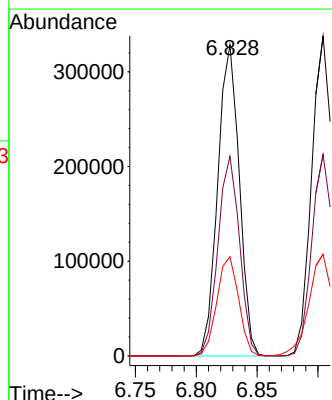
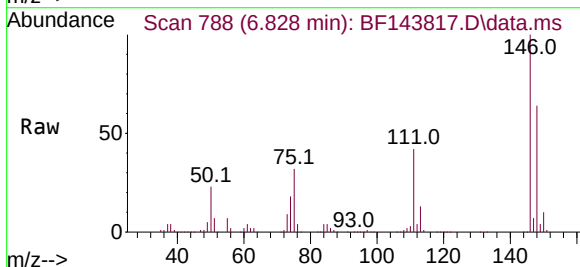
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

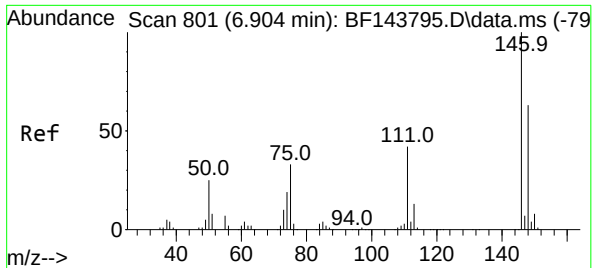
Tgt Ion: 93 Resp: 360646
Ion Ratio Lower Upper
93 100
63 109.6 89.2 129.2
95 32.3 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 45.667 ng
RT: 6.828 min Scan# 788
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion:146 Resp: 405018
Ion Ratio Lower Upper
146 100
148 64.2 50.4 75.6
75 31.8 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 46.284 ng

RT: 6.904 min Scan# 801

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

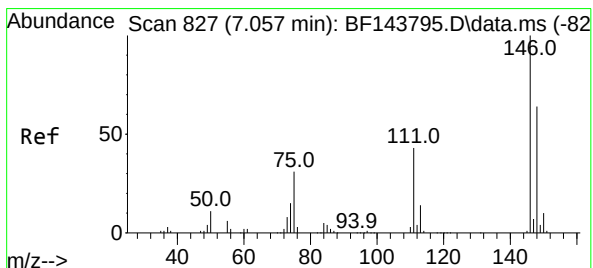
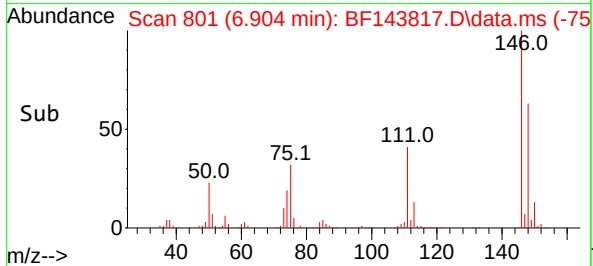
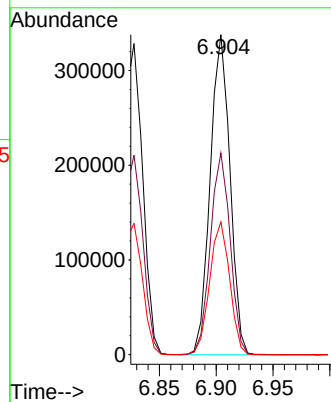
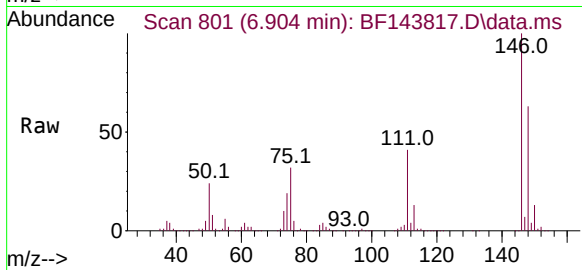
Tgt Ion:146 Resp: 409651

Ion Ratio Lower Upper

146 100

148 63.0 50.7 76.1

111 41.5 33.4 50.2



#14

1,2-Dichlorobenzene

Concen: 46.376 ng

RT: 7.057 min Scan# 827

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

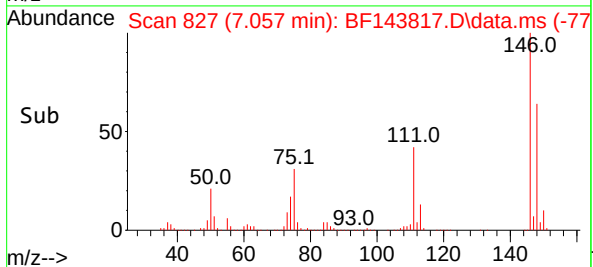
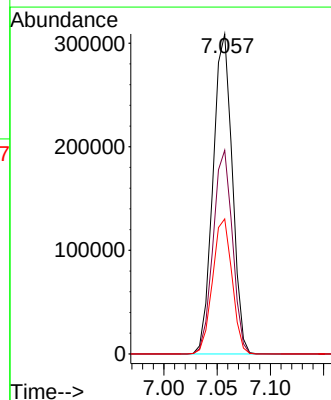
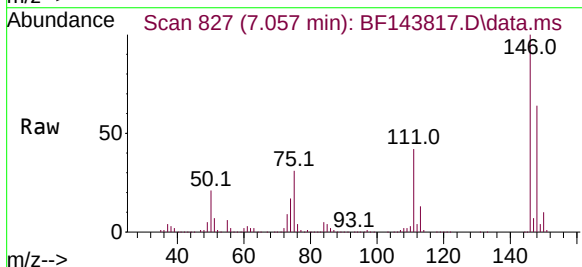
Tgt Ion:146 Resp: 388753

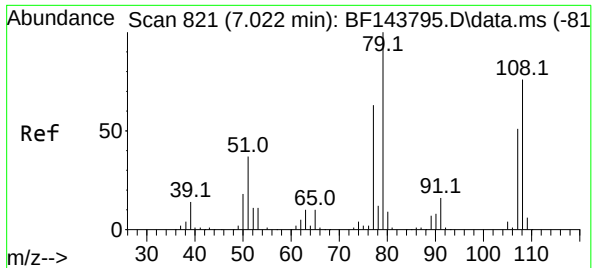
Ion Ratio Lower Upper

146 100

148 63.6 51.1 76.7

111 42.2 34.3 51.5

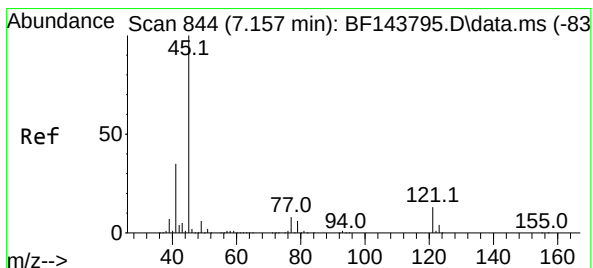
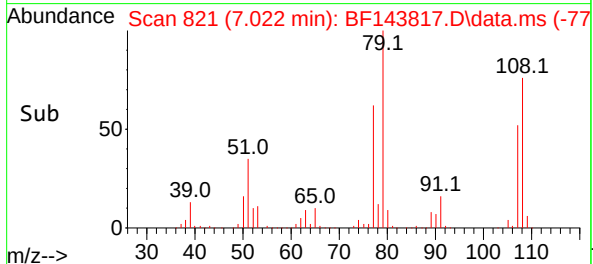
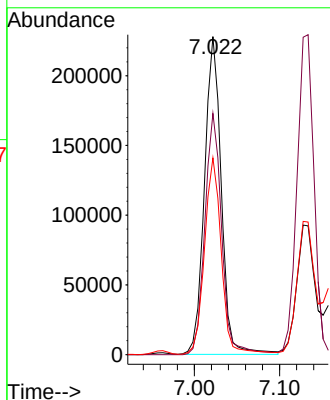
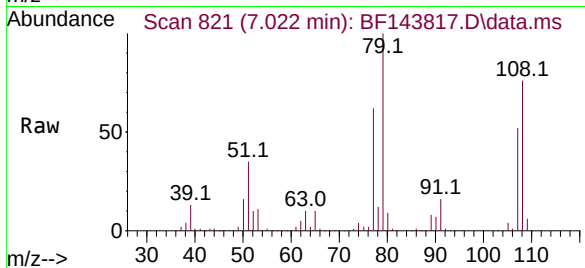




#15
Benzyl Alcohol
Concen: 50.129 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

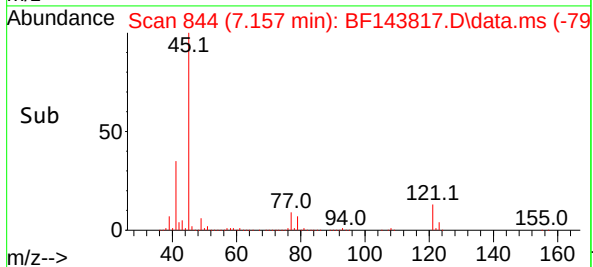
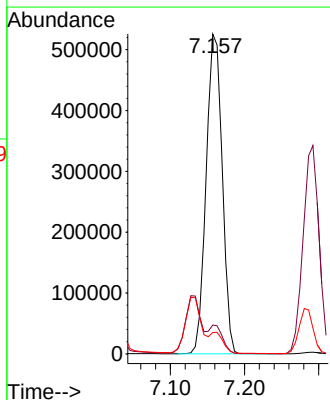
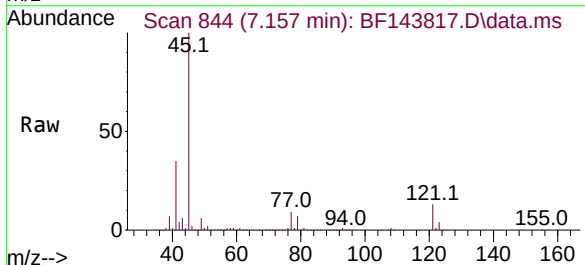
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

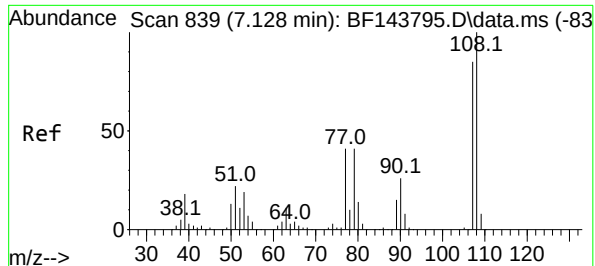
Tgt Ion: 79 Resp: 312277
Ion Ratio Lower Upper
79 100
108 75.9 60.5 90.7
77 61.9 50.3 75.5



#16
2,2'-oxybis(1-chloropropane)
Concen: 42.394 ng
RT: 7.157 min Scan# 844
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion: 45 Resp: 789653
Ion Ratio Lower Upper
45 100
77 9.0 0.0 28.5
79 6.7 0.0 26.3

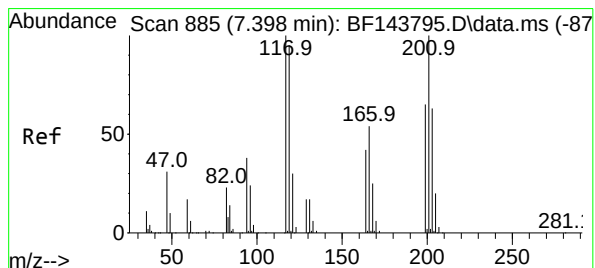
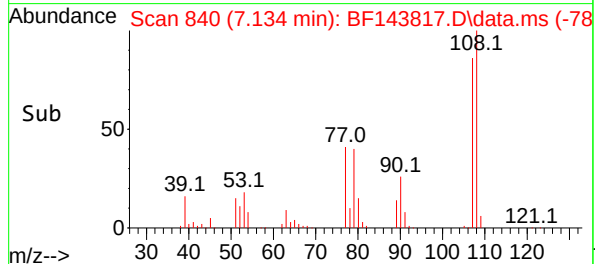
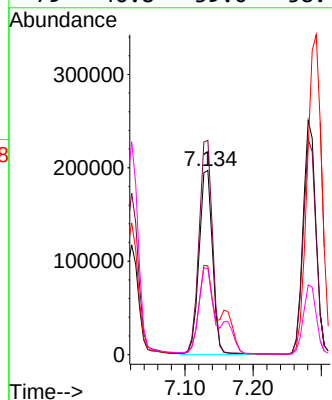
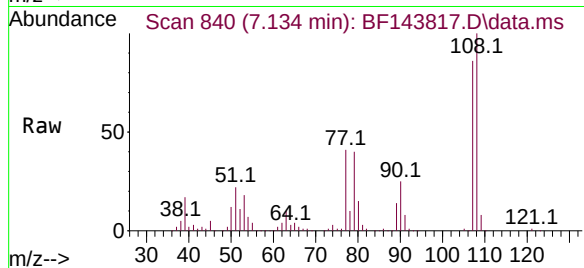




#17
2-Methylphenol
Concen: 46.138 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

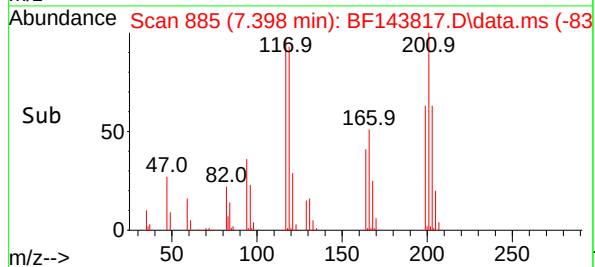
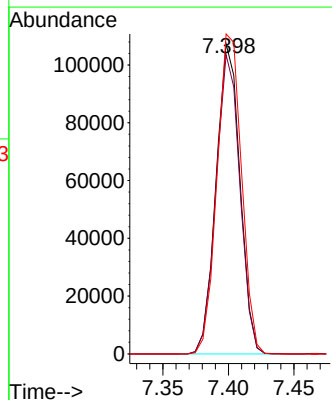
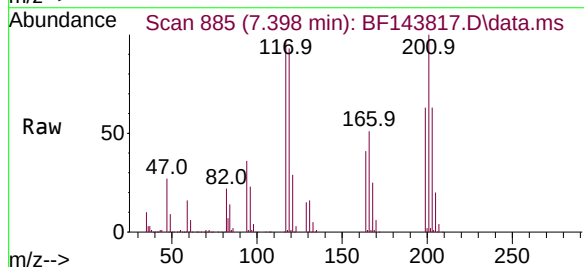
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

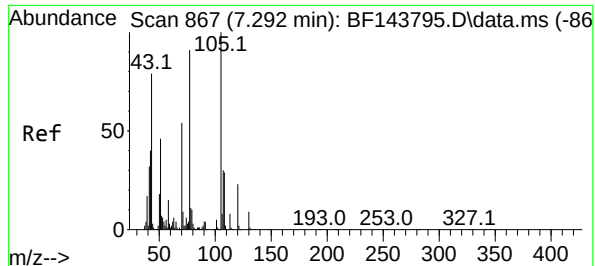
Tgt Ion:107 Resp: 272851
Ion Ratio Lower Upper
107 100
108 116.4 94.2 141.4
77 48.2 38.6 58.0
79 46.8 39.0 58.4



#18
Hexachloroethane
Concen: 43.671 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion:117 Resp: 135933
Ion Ratio Lower Upper
117 100
119 96.5 76.2 114.2
201 103.2 79.7 119.5





#19

n-Nitroso-di-n-propylamine

Concen: 44.495 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

Tgt Ion: 70 Resp: 246676

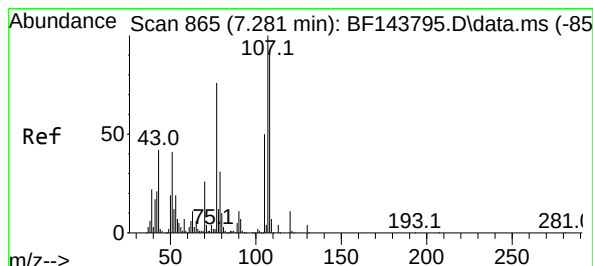
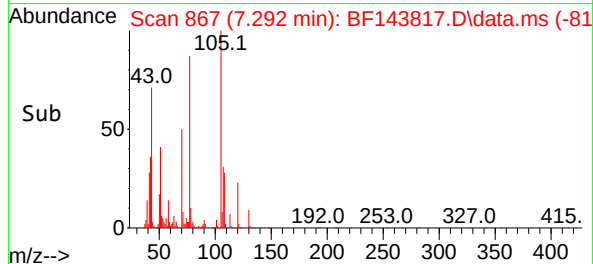
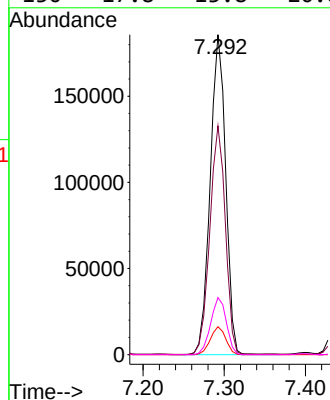
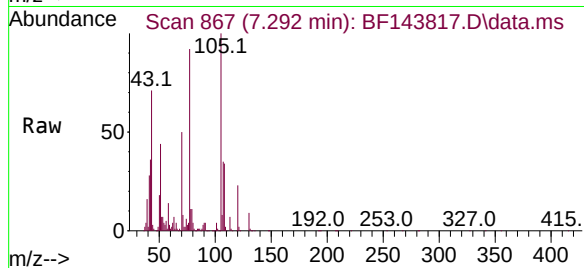
Ion Ratio Lower Upper

70 100

42 71.5 59.4 89.0

101 8.7 7.1 10.7

130 17.8 13.8 20.8



#20

3+4-Methylphenols

Concen: 45.755 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Tgt Ion: 107 Resp: 329519

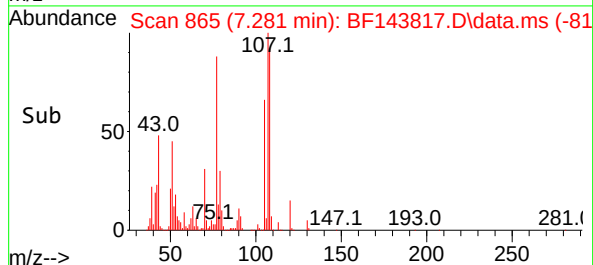
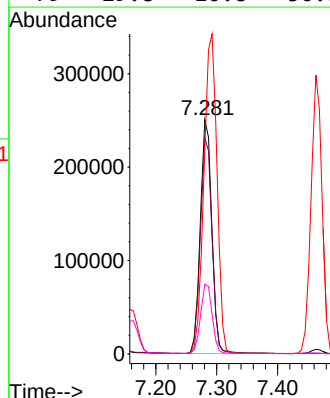
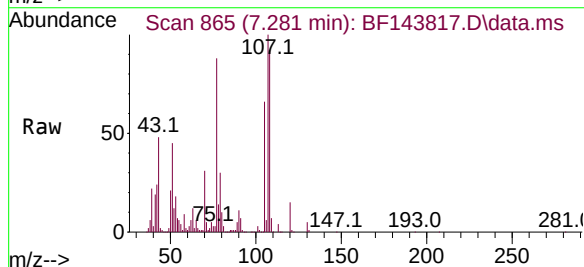
Ion Ratio Lower Upper

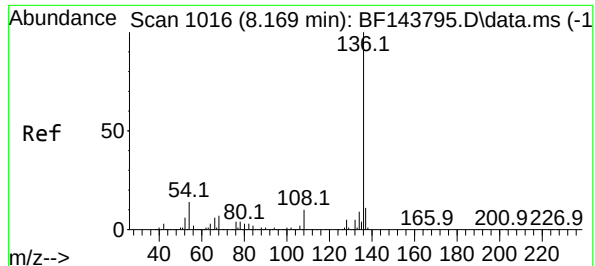
107 100

108 92.1 72.5 112.5

77 88.3 56.2 96.2

79 29.8 10.8 50.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

Tgt Ion:136 Resp: 419443

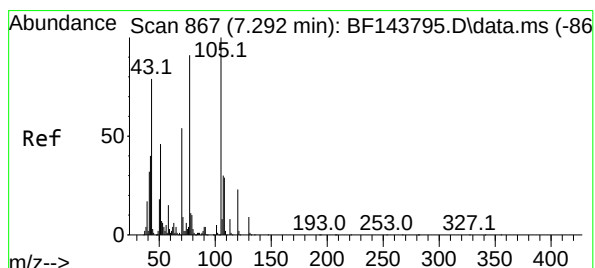
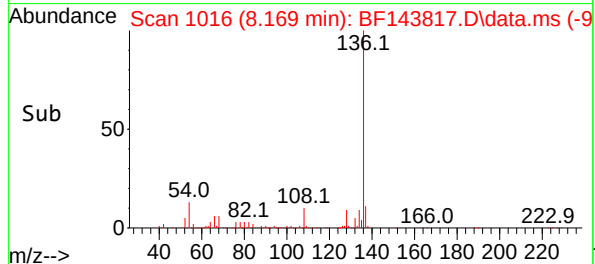
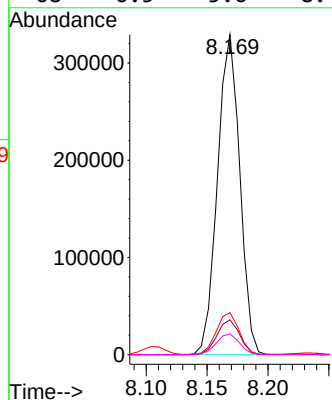
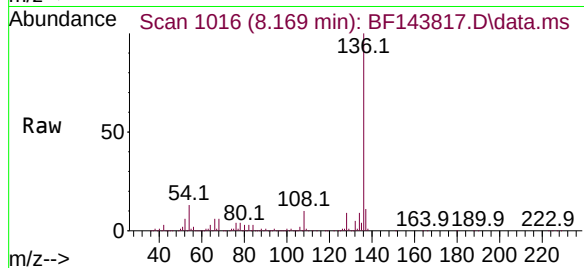
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 13.1 11.2 16.8

68 6.5 5.6 8.4



#22

Acetophenone

Concen: 53.844 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Tgt Ion:105 Resp: 496044

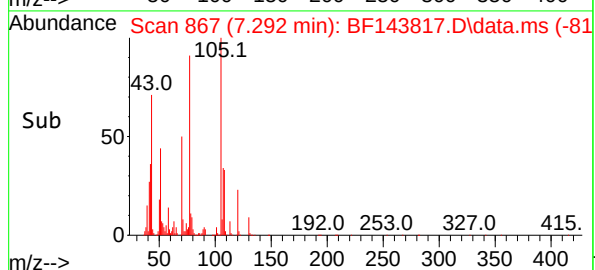
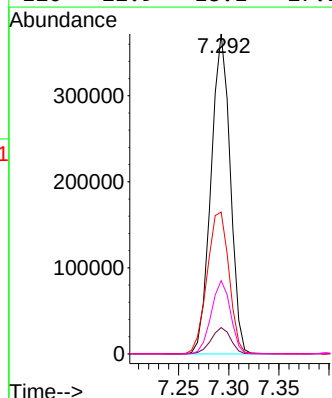
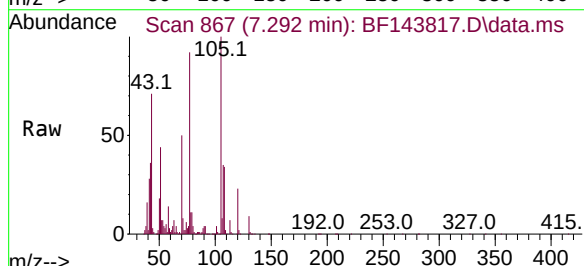
Ion Ratio Lower Upper

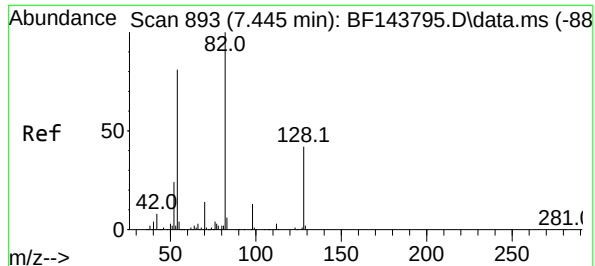
105 100

71 8.3 7.0 10.4

51 44.3 36.6 55.0

120 22.9 18.1 27.1





#23

Nitrobenzene-d5

Concen: 62.594 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

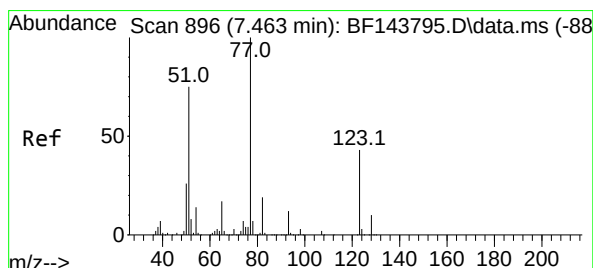
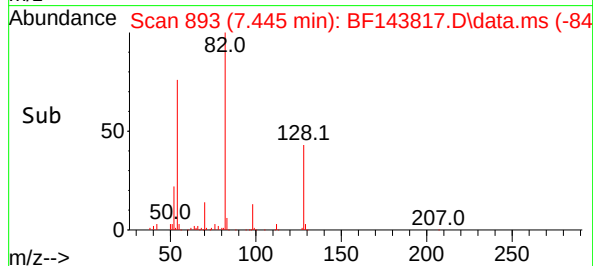
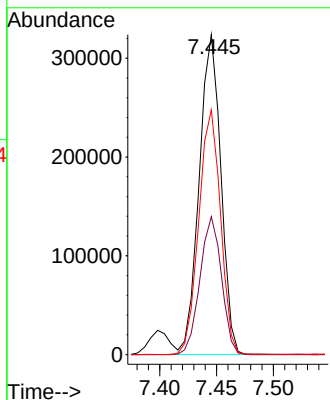
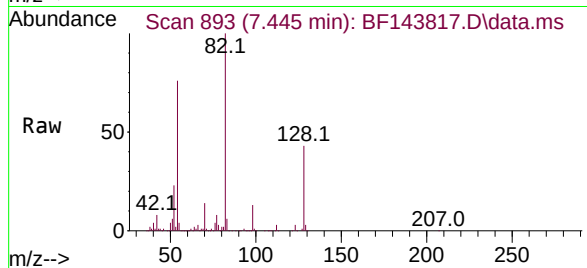
BNA_F

ClientSampleId :

EME-TS14-01MS

Tgt Ion: 82 Resp: 428919

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.3	49.9
54	76.5	64.2	96.4



#24

Nitrobenzene

Concen: 49.371 ng

RT: 7.463 min Scan# 896

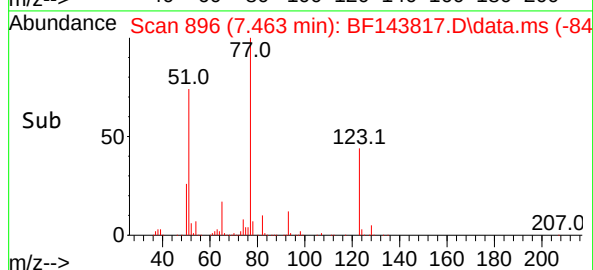
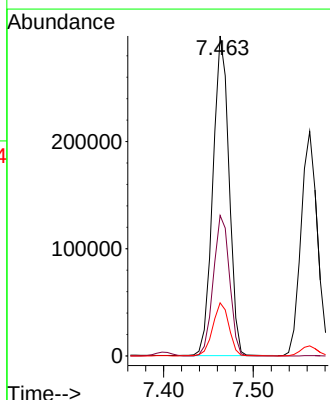
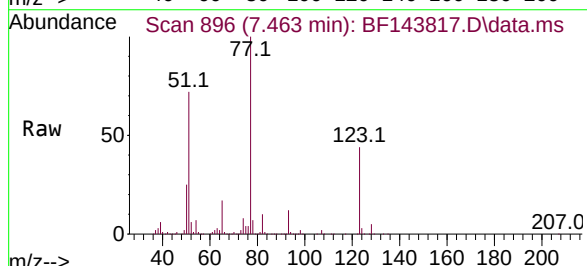
Delta R.T. -0.012 min

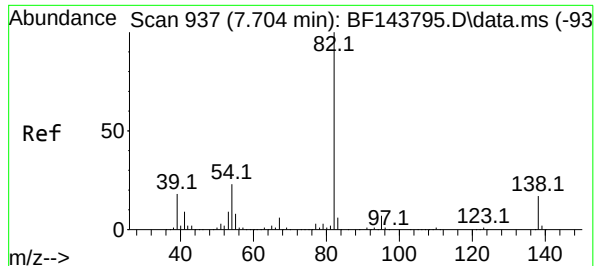
Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Tgt Ion: 77 Resp: 374991

Ion	Ratio	Lower	Upper
77	100		
123	43.9	34.0	51.0
65	16.6	13.5	20.3





#25

Isophorone

Concen: 48.975 ng

RT: 7.704 min Scan# 937

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

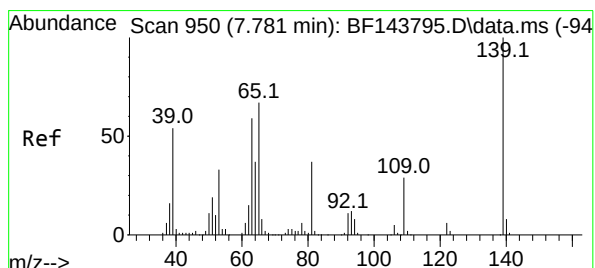
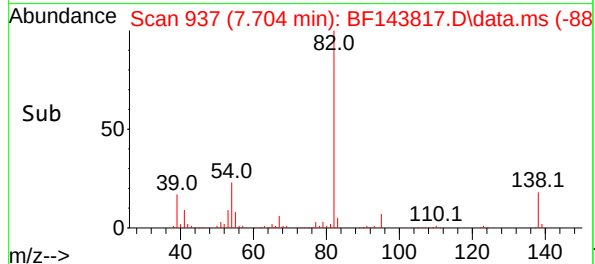
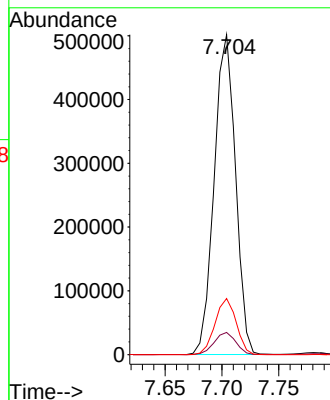
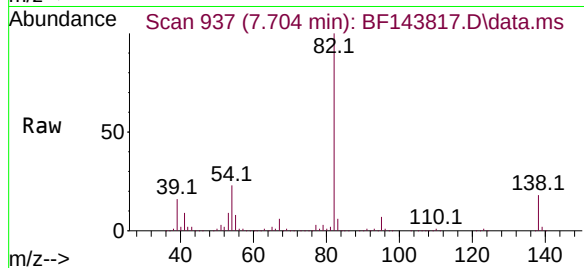
Tgt Ion: 82 Resp: 653967

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.2

138 17.5 13.7 20.5



#26

2-Nitrophenol

Concen: 52.687 ng

RT: 7.781 min Scan# 950

Delta R.T. -0.005 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

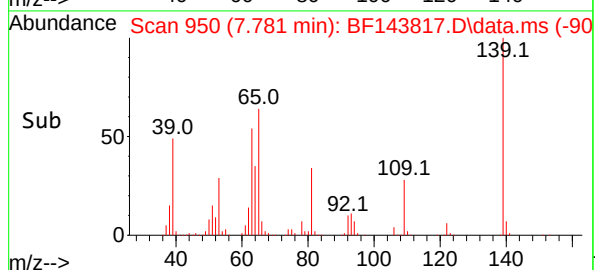
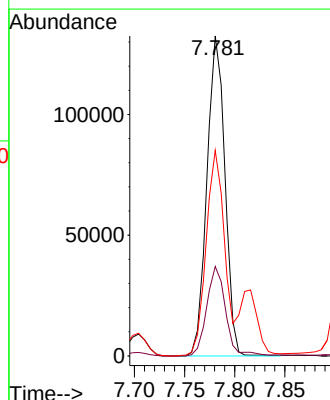
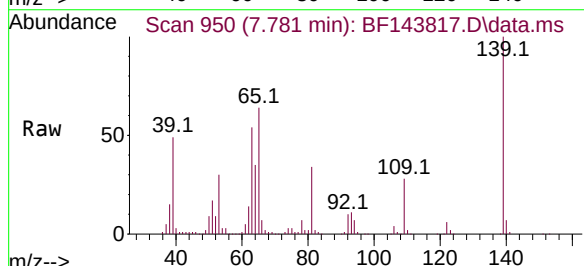
Tgt Ion:139 Resp: 165168

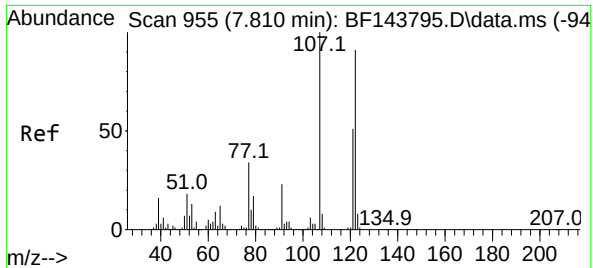
Ion Ratio Lower Upper

139 100

109 27.9 23.3 34.9

65 64.2 53.8 80.6





#27

2,4-Dimethylphenol

Concen: 52.086 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

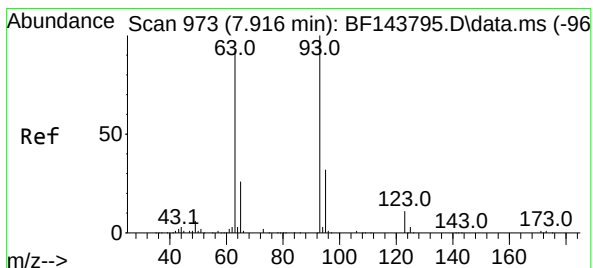
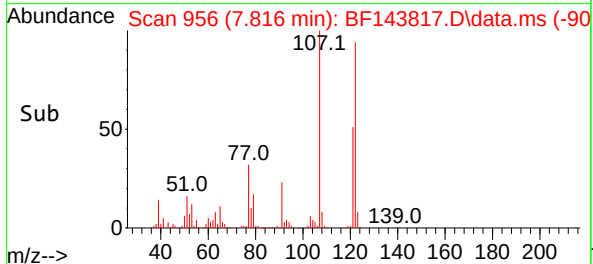
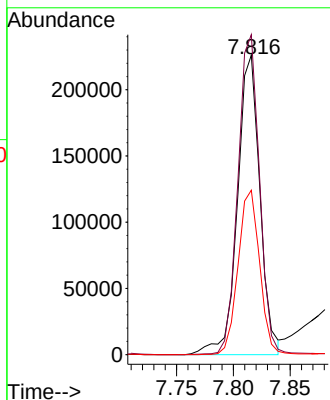
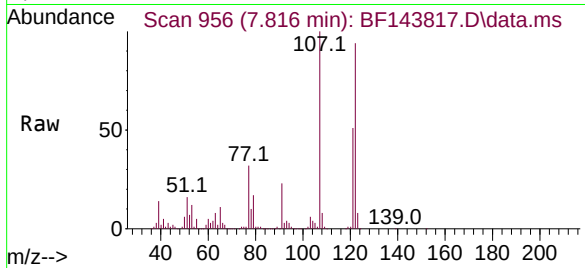
BNA_F

ClientSampleId :

EME-TS14-01MS

Tgt Ion:122 Resp: 310866

Ion	Ratio	Lower	Upper
122	100		
107	106.9	87.5	131.3
121	54.9	44.2	66.4



#28

bis(2-Chloroethoxy)methane

Concen: 46.185 ng

RT: 7.916 min Scan# 973

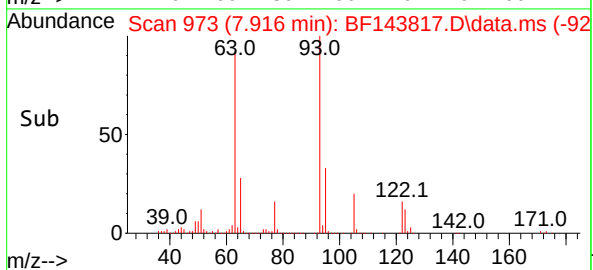
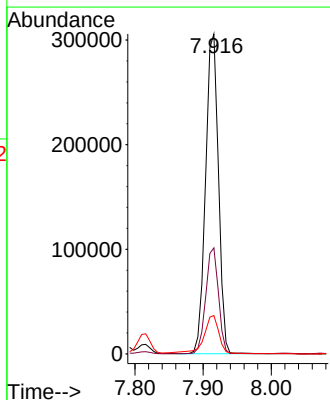
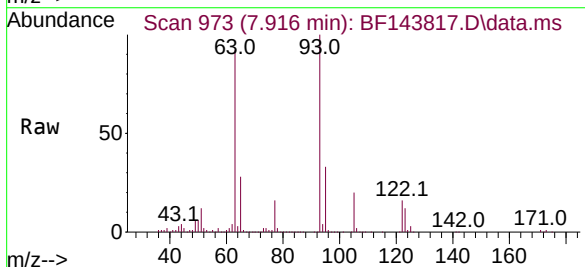
Delta R.T. -0.000 min

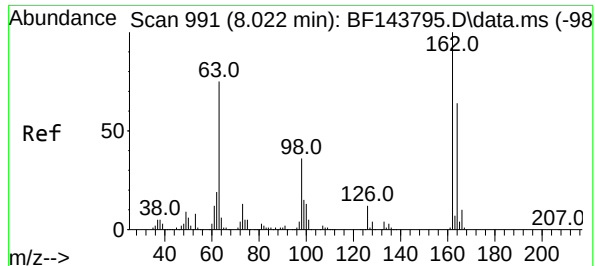
Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Tgt Ion: 93 Resp: 400670

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.8	38.8
123	12.0	8.8	13.2





#29

2,4-Dichlorophenol

Concen: 46.125 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

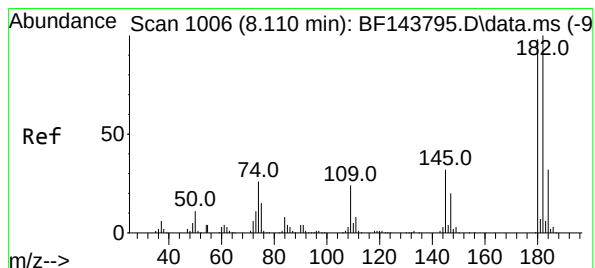
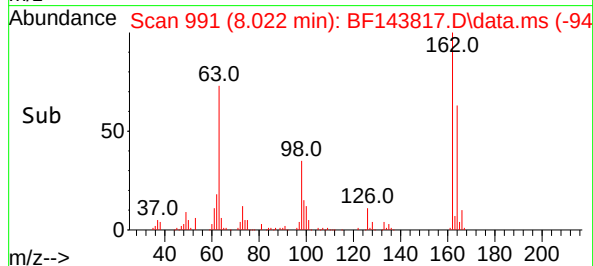
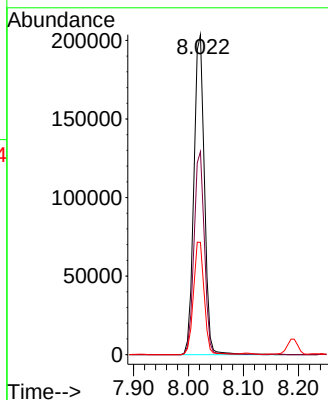
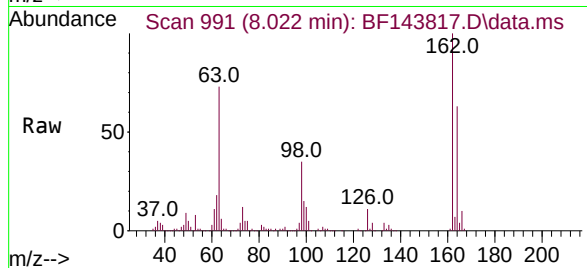
Tgt Ion:162 Resp: 270872

Ion Ratio Lower Upper

162 100

164 63.4 44.1 84.1

98 35.1 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 49.013 ng

RT: 8.110 min Scan# 1006

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

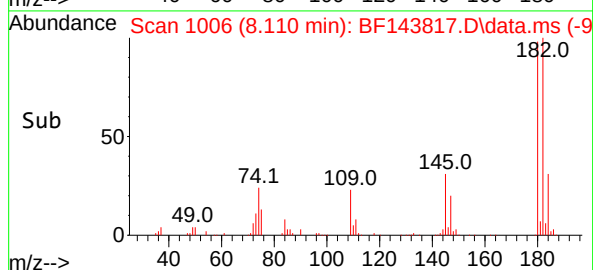
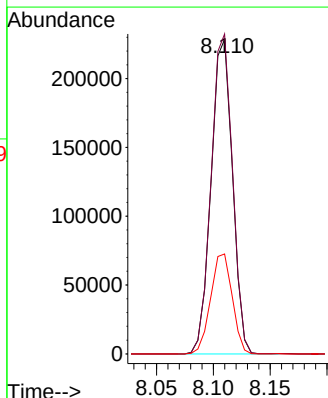
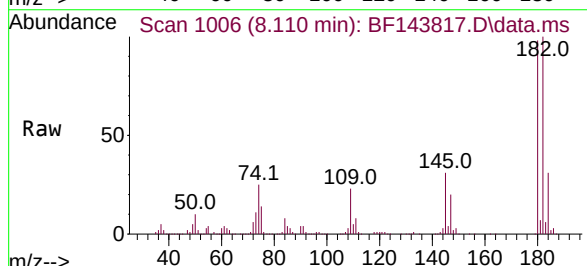
Tgt Ion:180 Resp: 298708

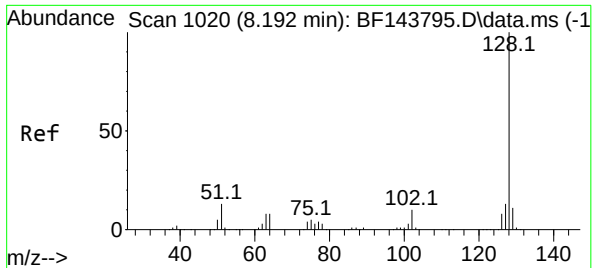
Ion Ratio Lower Upper

180 100

182 101.7 82.0 123.0

145 31.7 25.9 38.9





#31

Naphthalene

Concen: 45.736 ng

RT: 8.192 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

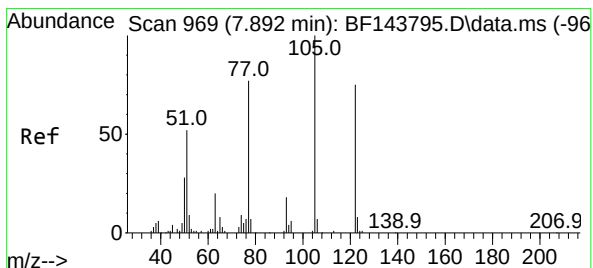
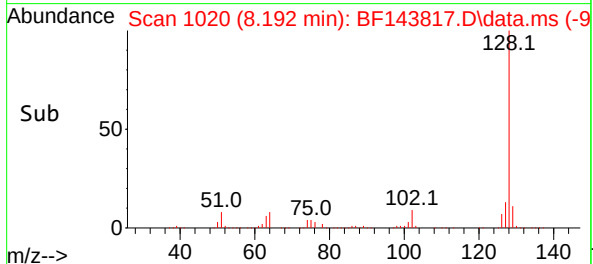
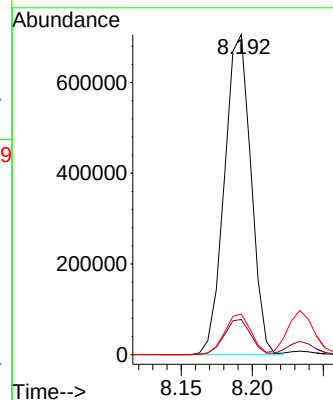
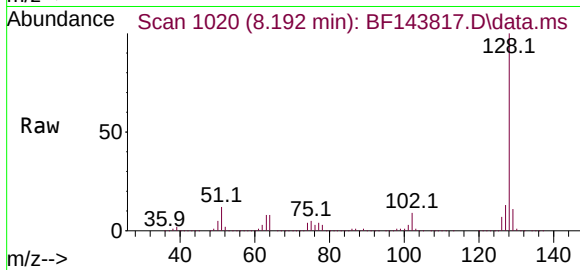
Tgt Ion:128 Resp: 918353

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 12.7 10.2 15.4



#32

Benzoic acid

Concen: 65.866 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.012 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

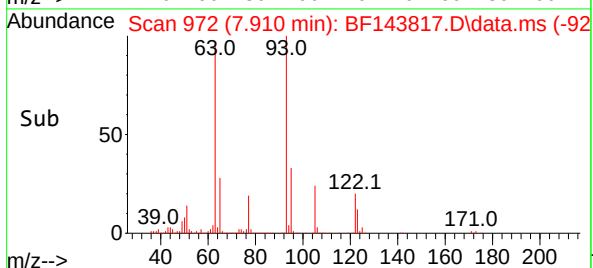
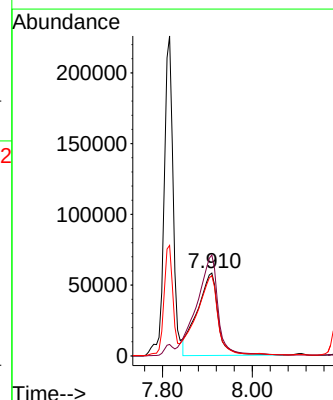
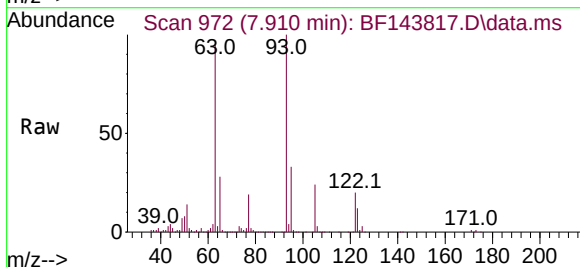
Tgt Ion:122 Resp: 189666

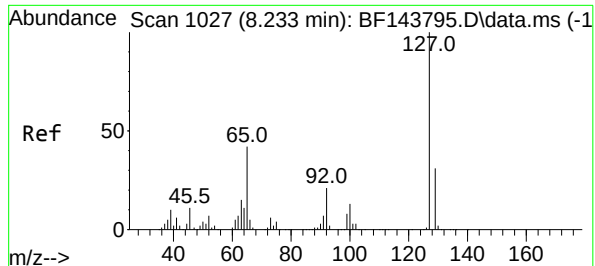
Ion Ratio Lower Upper

122 100

105 121.8 103.7 143.7

77 96.9 78.8 118.8





#33

4-Chloroaniline

Concen: 18.335 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

Tgt Ion:127 Resp: 129374

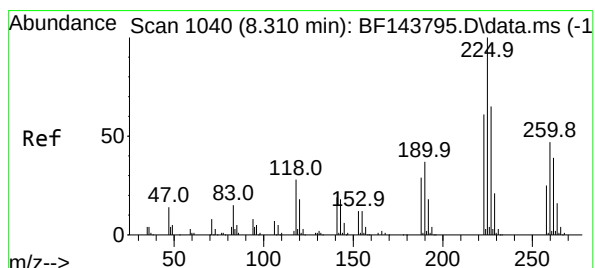
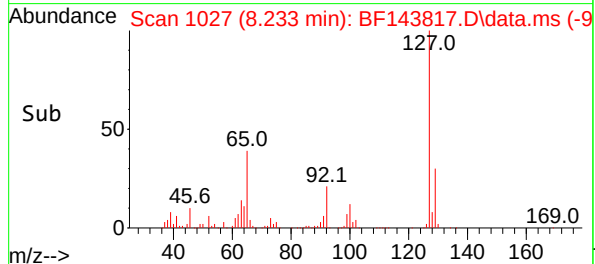
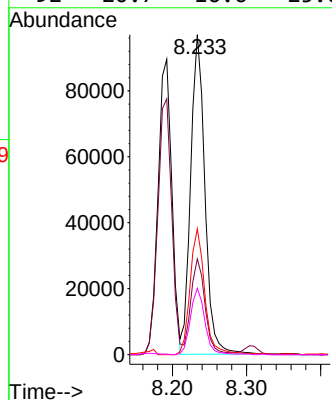
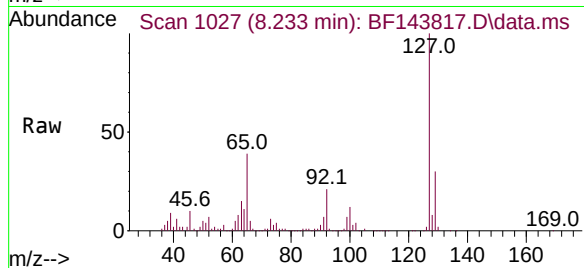
Ion Ratio Lower Upper

127 100

129 30.0 25.4 38.2

65 39.3 33.4 50.2

92 20.7 16.6 25.0



#34

Hexachlorobutadiene

Concen: 45.693 ng

RT: 8.310 min Scan# 1040

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

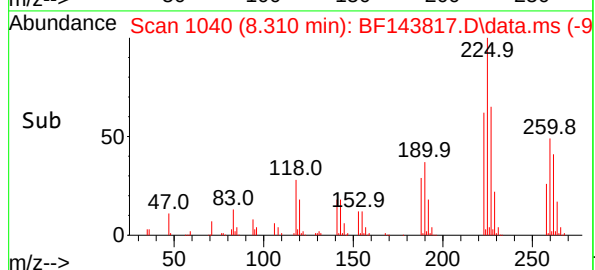
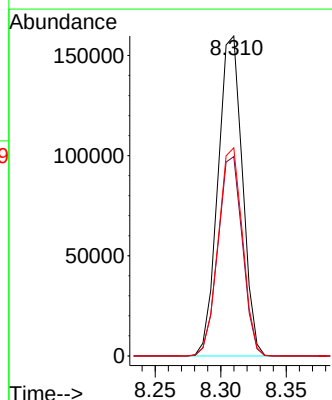
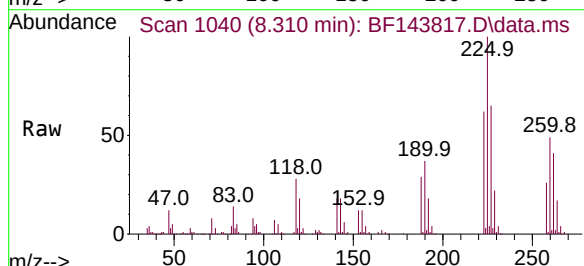
Tgt Ion:225 Resp: 207595

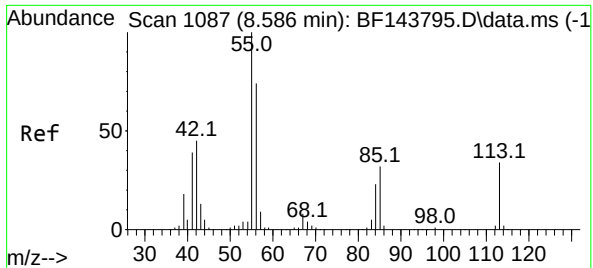
Ion Ratio Lower Upper

225 100

223 62.3 48.6 72.8

227 65.0 51.9 77.9

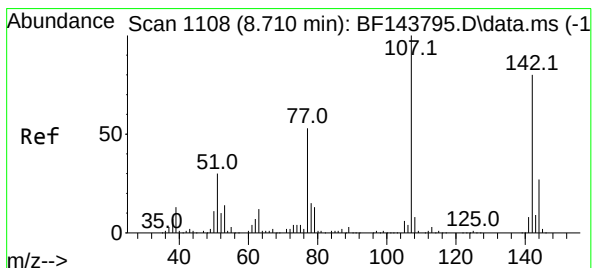
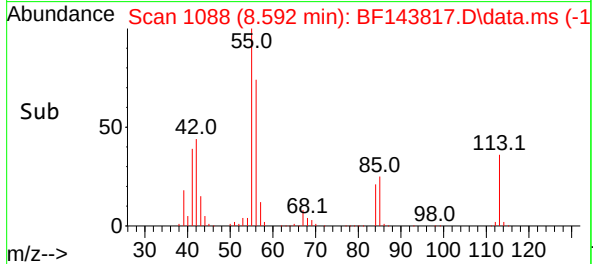
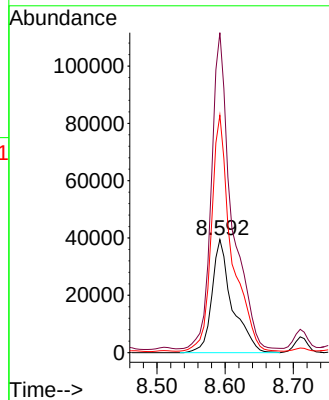
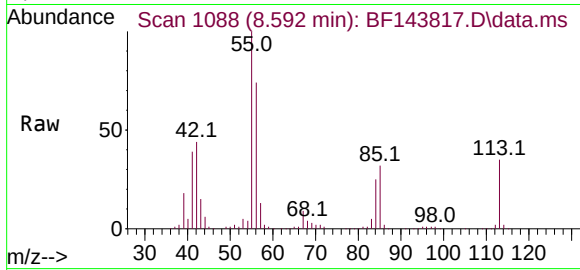




#35
 Caprolactam
 Concen: 54.068 ng
 RT: 8.592 min Scan# 1087
 Delta R.T. -0.018 min
 Lab File: BF143817.D
 Acq: 25 Sep 2025 21:50

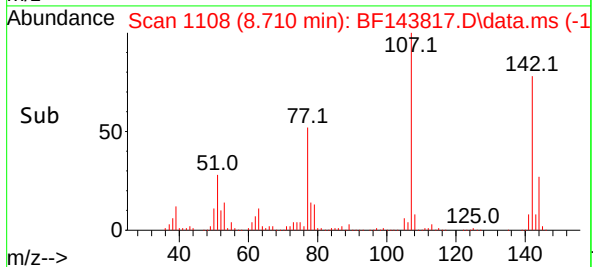
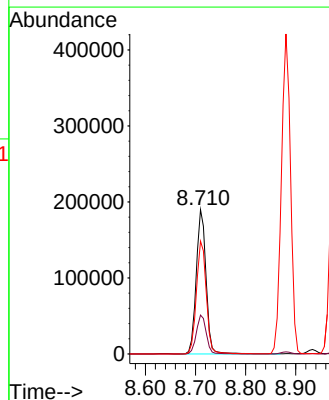
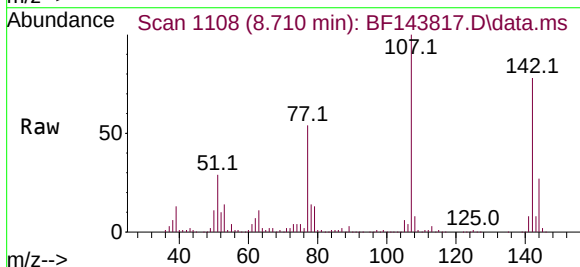
Instrument :
 BNA_F
 ClientSampleId :
 EME-TS14-01MS

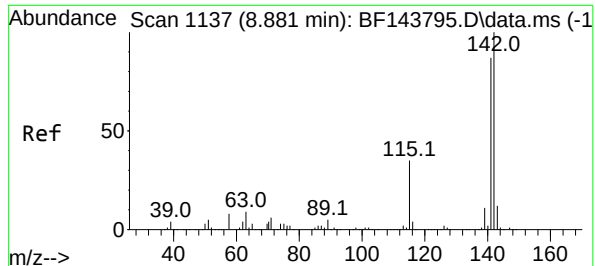
Tgt Ion:113 Resp: 81158
 Ion Ratio Lower Upper
 113 100
 55 283.3 271.7 311.7
 56 210.1 194.5 234.5



#36
 4-Chloro-3-methylphenol
 Concen: 46.673 ng
 RT: 8.710 min Scan# 1108
 Delta R.T. -0.000 min
 Lab File: BF143817.D
 Acq: 25 Sep 2025 21:50

Tgt Ion:107 Resp: 257062
 Ion Ratio Lower Upper
 107 100
 144 27.0 21.8 32.8
 142 78.1 63.6 95.4





#37

2-Methylnaphthalene

Concen: 41.467 ng

RT: 8.880 min Scan# 1137

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

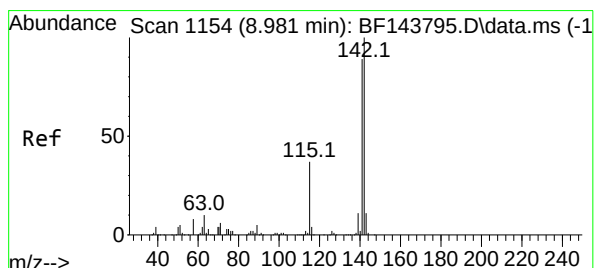
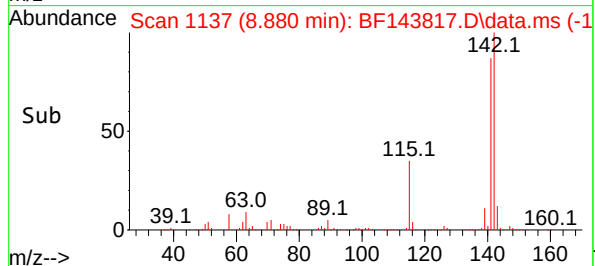
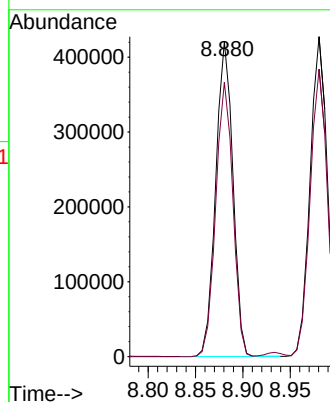
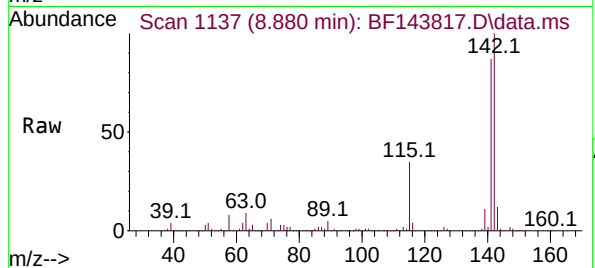
EME-TS14-01MS

Tgt Ion:142 Resp: 530930

Ion Ratio Lower Upper

142 100

141 87.1 69.4 104.0



#38

1-Methylnaphthalene

Concen: 43.757 ng

RT: 8.980 min Scan# 1154

Delta R.T. -0.000 min

Lab File: BF143817.D

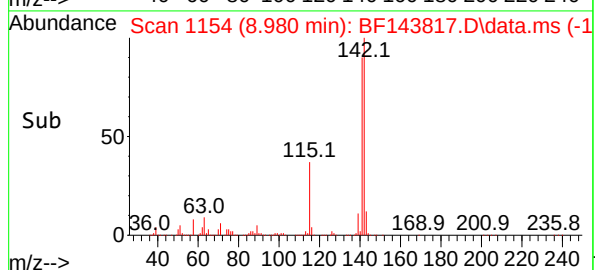
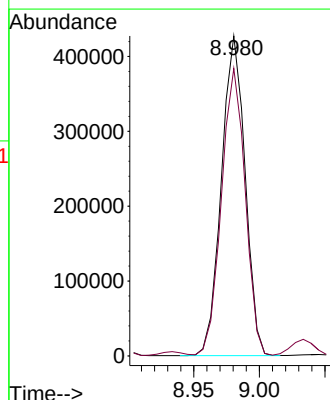
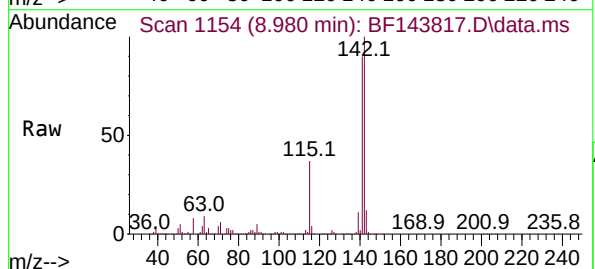
Acq: 25 Sep 2025 21:50

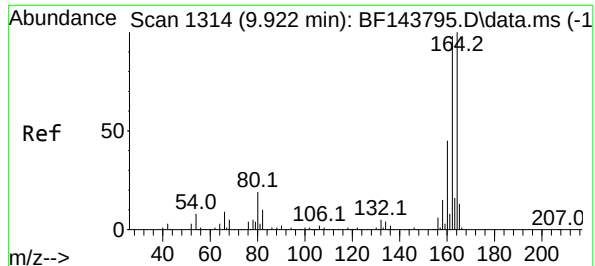
Tgt Ion:142 Resp: 536240

Ion Ratio Lower Upper

142 100

141 89.8 71.1 106.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

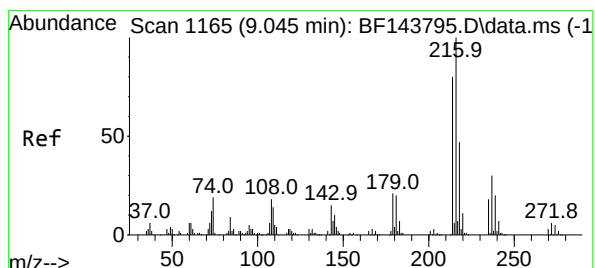
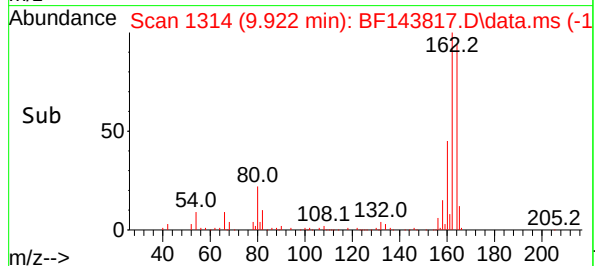
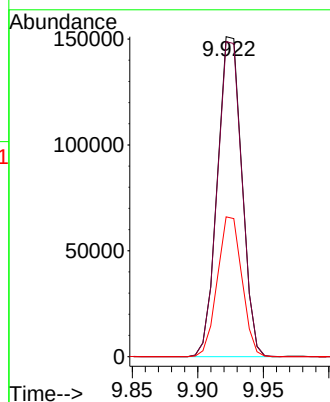
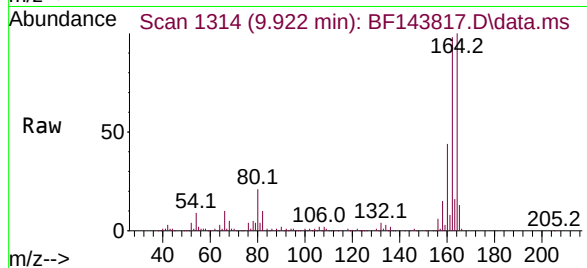
Tgt Ion:164 Resp: 197016

Ion Ratio Lower Upper

164 100

162 98.4 78.8 118.2

160 43.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.818 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Tgt Ion:216 Resp: 308089

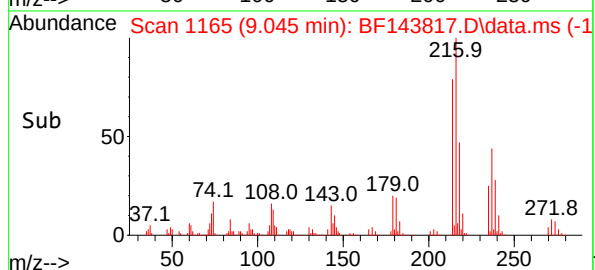
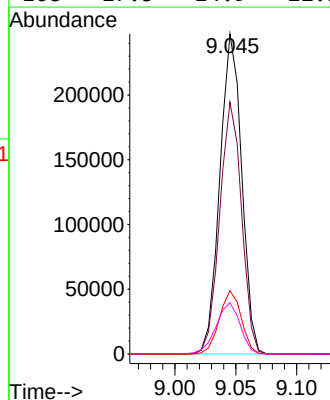
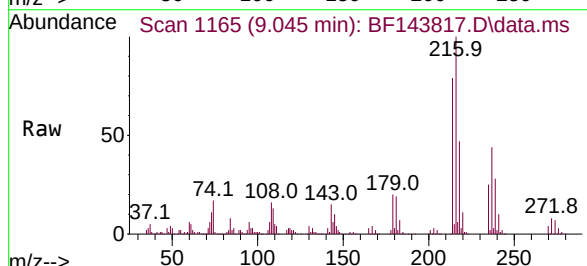
Ion Ratio Lower Upper

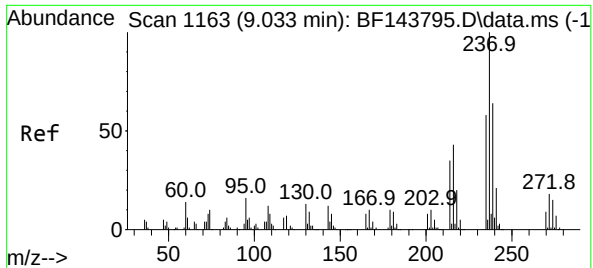
216 100

214 78.5 63.7 95.5

179 19.7 16.5 24.7

108 17.5 14.9 22.3





#41

Hexachlorocyclopentadiene

Concen: 85.324 ng

RT: 9.033 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

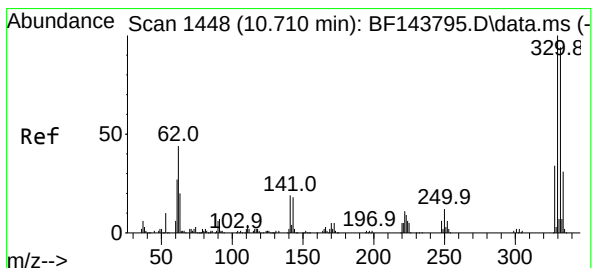
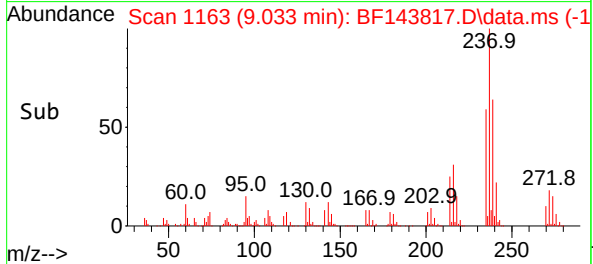
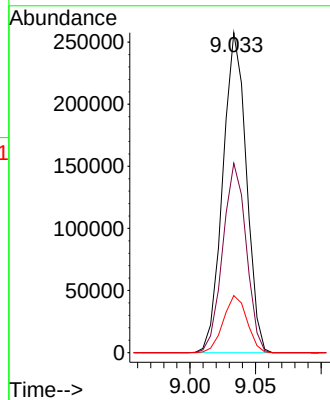
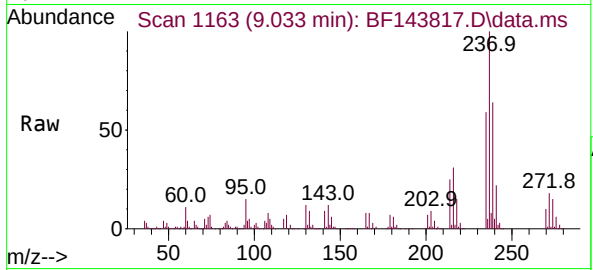
Tgt Ion:237 Resp: 321513

Ion Ratio Lower Upper

237 100

235 59.2 38.1 78.1

272 17.8 0.0 37.9



#42

2,4,6-Tribromophenol

Concen: 83.176 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

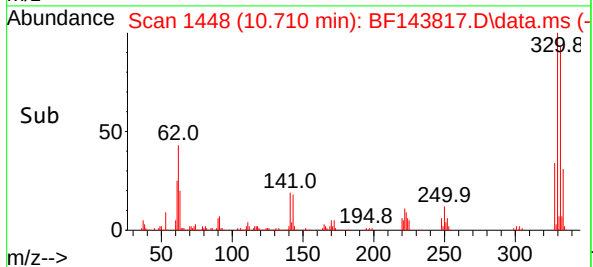
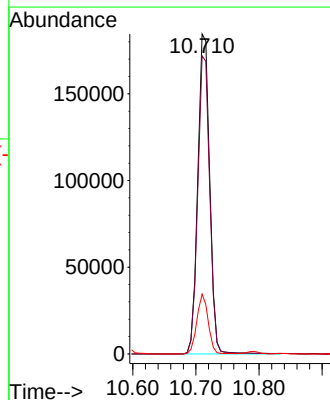
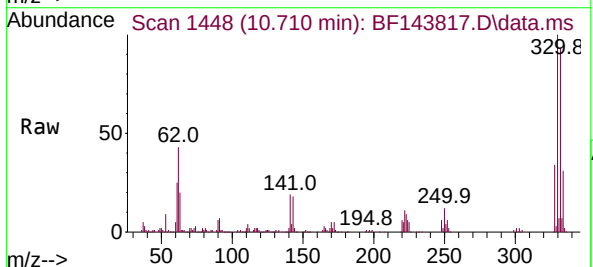
Tgt Ion:330 Resp: 242635

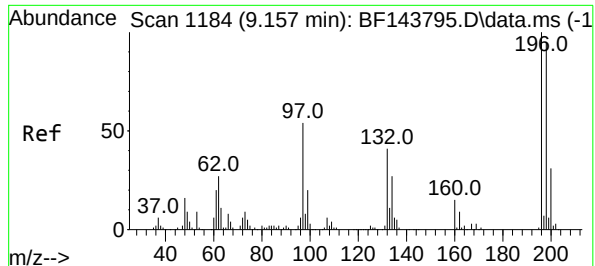
Ion Ratio Lower Upper

330 100

332 93.1 74.7 112.1

141 17.7 14.3 21.5





#43

2,4,6-Trichlorophenol

Concen: 51.756 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

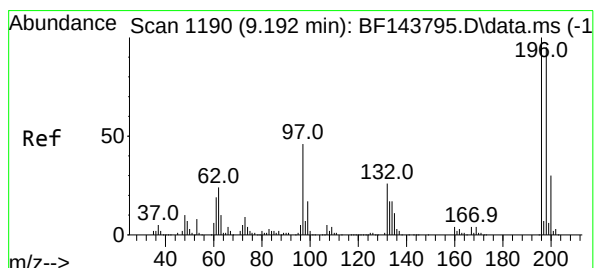
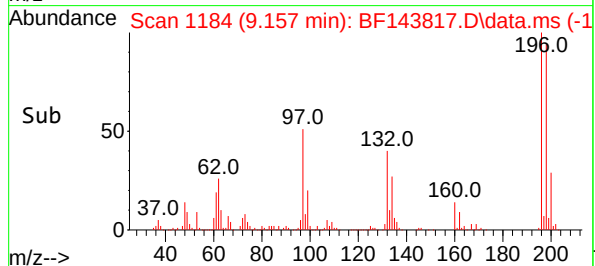
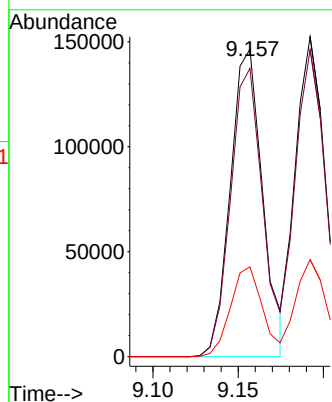
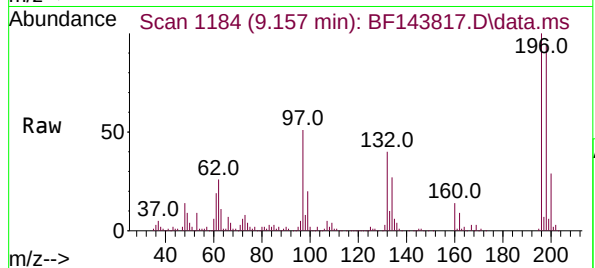
Tgt Ion:196 Resp: 192682

Ion Ratio Lower Upper

196 100

198 93.8 76.2 114.2

200 29.1 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 48.183 ng

RT: 9.192 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Tgt Ion:196 Resp: 187630

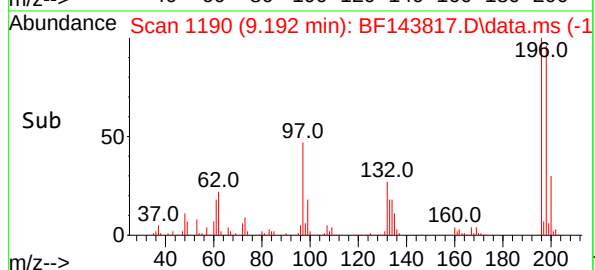
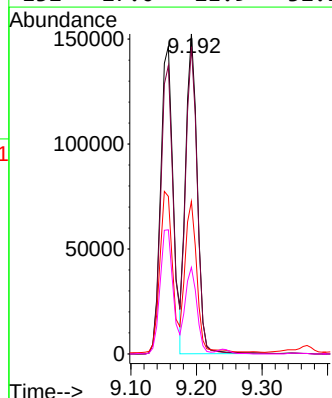
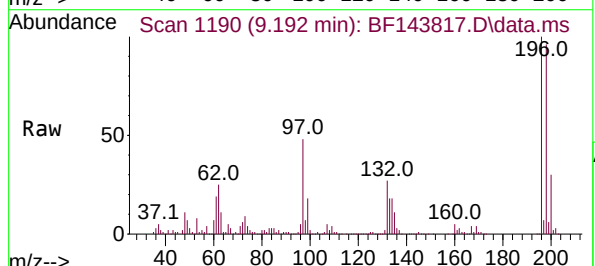
Ion Ratio Lower Upper

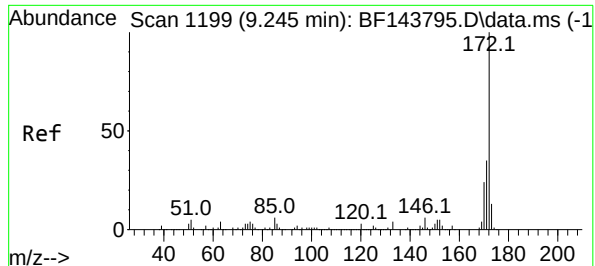
196 100

198 96.0 75.9 113.9

97 47.6 38.3 57.5

132 27.0 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 49.831 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

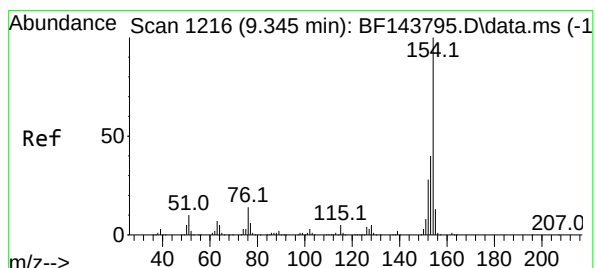
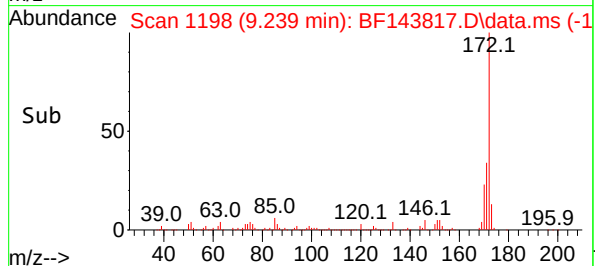
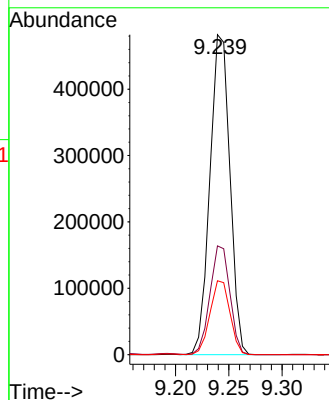
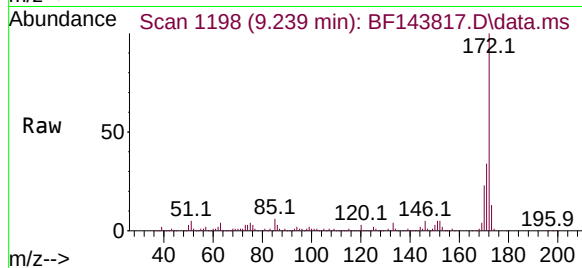
Tgt Ion:172 Resp: 629128

Ion Ratio Lower Upper

172 100

171 34.0 27.9 41.9

170 23.1 19.1 28.7



#46

1,1'-Biphenyl

Concen: 51.265 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

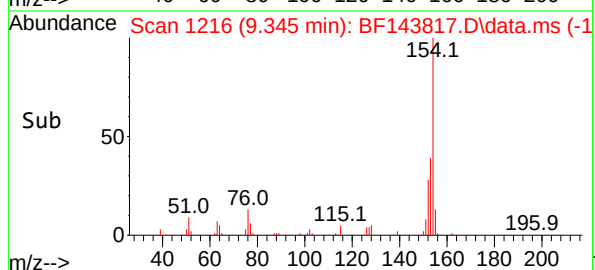
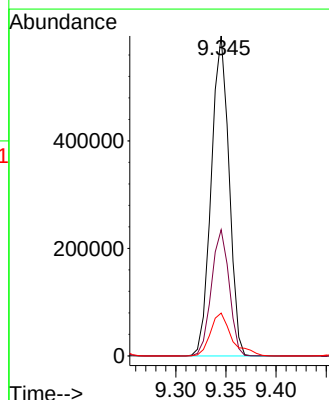
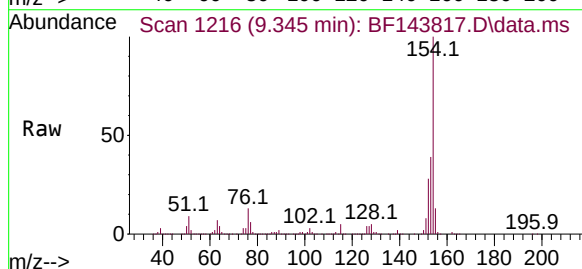
Tgt Ion:154 Resp: 731116

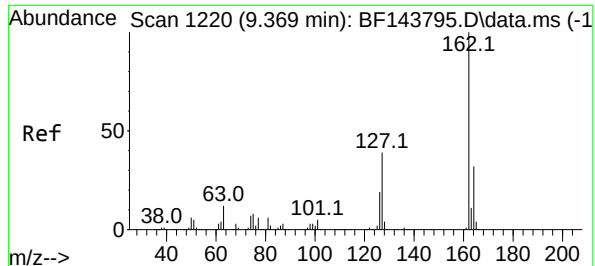
Ion Ratio Lower Upper

154 100

153 39.4 19.7 59.7

76 13.4 0.0 33.8





#47

2-Chloronaphthalene

Concen: 46.202 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

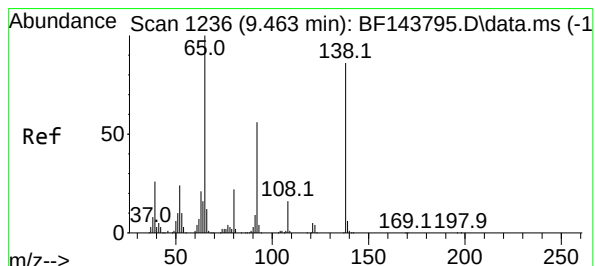
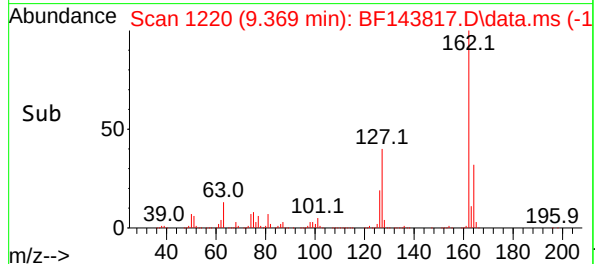
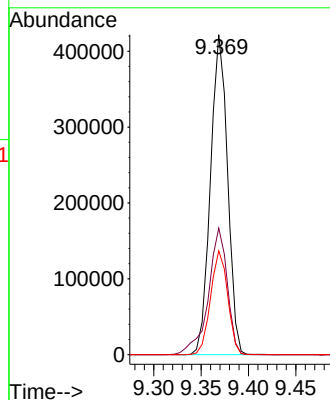
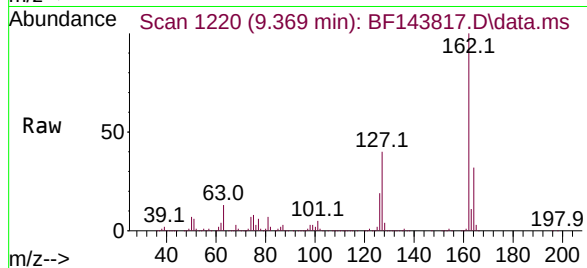
Tgt Ion:162 Resp: 530383

Ion Ratio Lower Upper

162 100

127 39.5 31.5 47.3

164 32.4 25.9 38.9



#48

2-Nitroaniline

Concen: 56.826 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

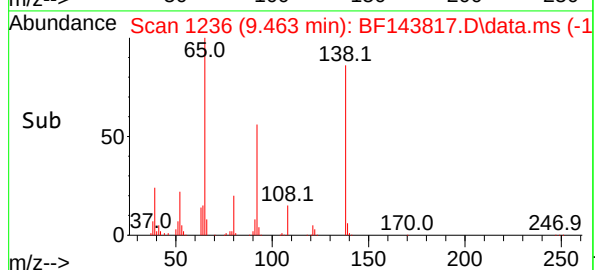
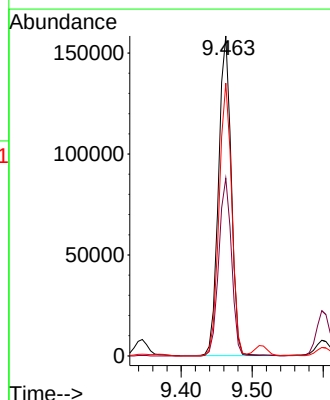
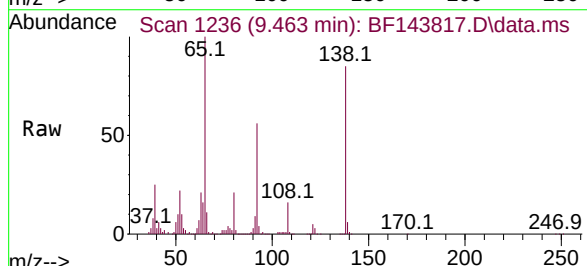
Tgt Ion: 65 Resp: 197163

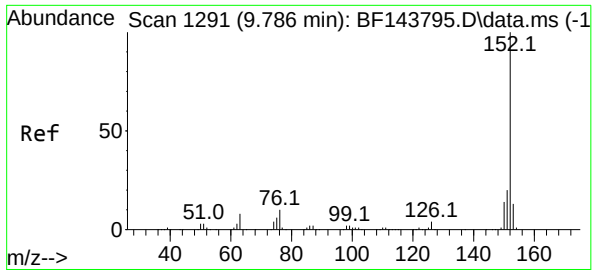
Ion Ratio Lower Upper

65 100

92 55.5 44.9 67.3

138 85.2 69.0 103.4





#49

Acenaphthylene

Concen: 53.101 ng

RT: 9.786 min Scan# 1291

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

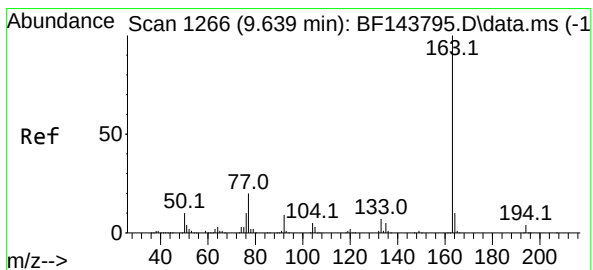
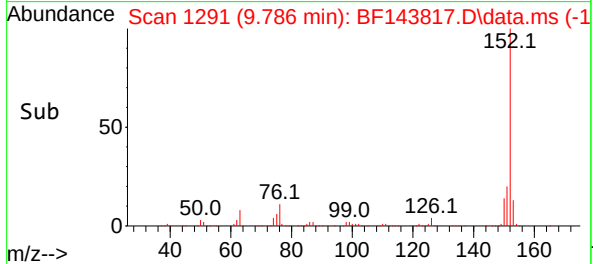
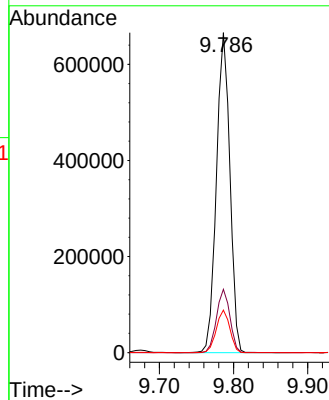
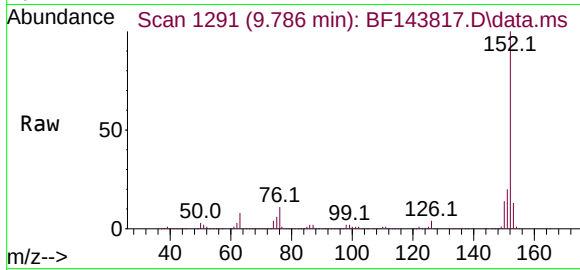
Tgt Ion:152 Resp: 839183

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

153 13.3 10.6 15.8



#50

Dimethylphthalate

Concen: 49.503 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

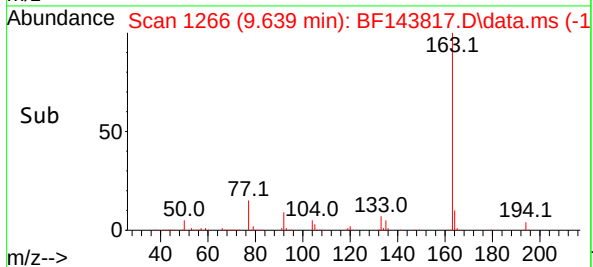
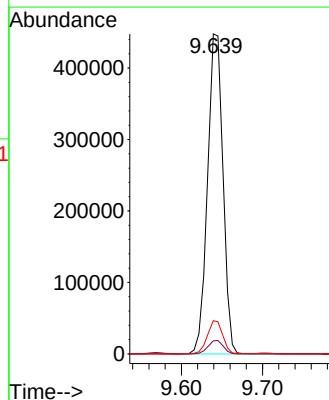
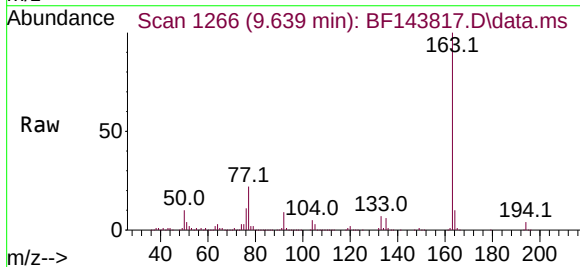
Tgt Ion:163 Resp: 594435

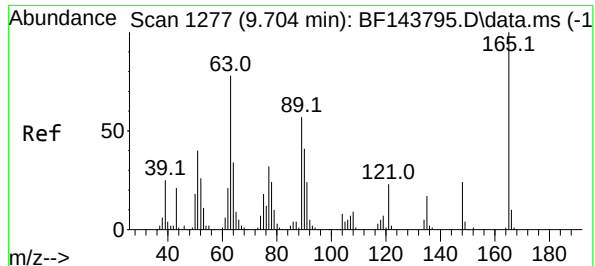
Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

164 10.4 8.2 12.2

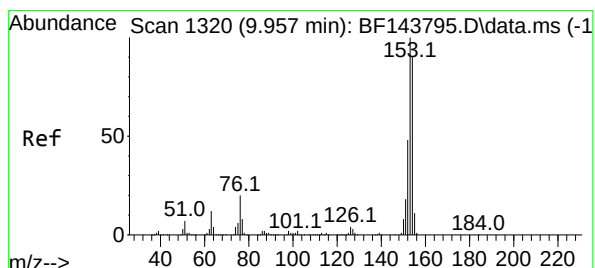
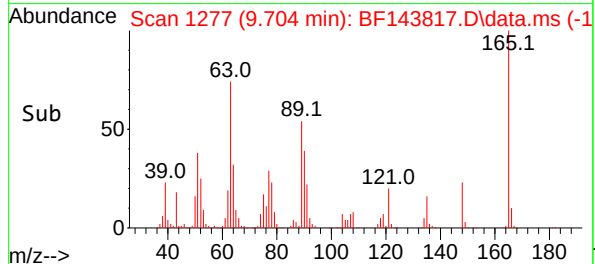
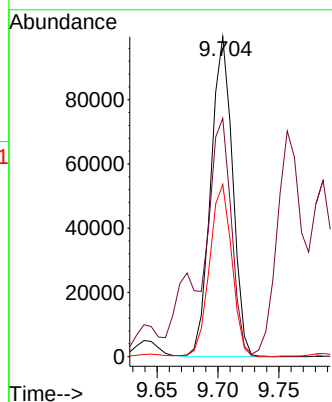
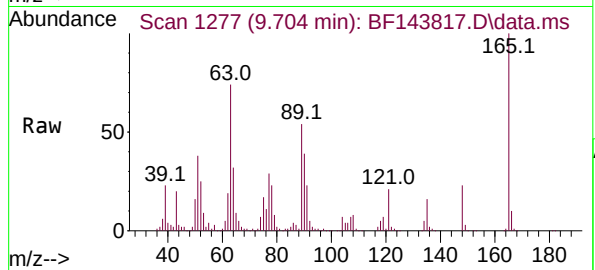




#51
2,6-Dinitrotoluene
Concen: 62.825 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

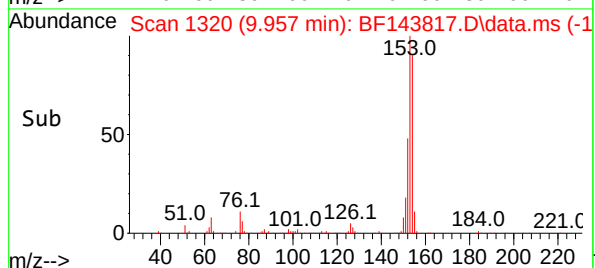
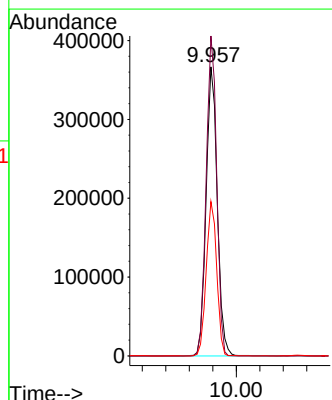
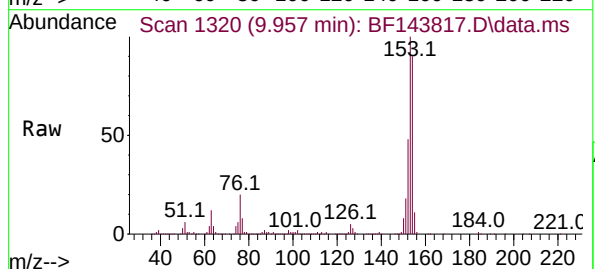
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

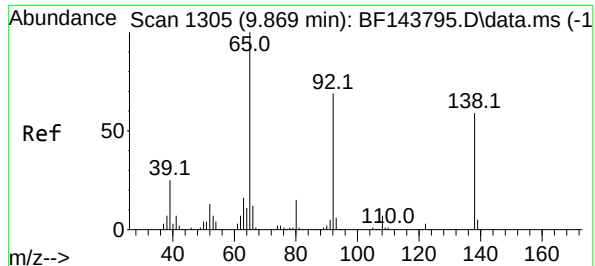
Tgt Ion:165 Resp: 123949
Ion Ratio Lower Upper
165 100
63 74.5 62.6 94.0
89 53.8 45.2 67.8



#52
Acenaphthene
Concen: 46.485 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion:154 Resp: 483438
Ion Ratio Lower Upper
154 100
153 110.7 88.7 133.1
152 53.4 42.7 64.1





#53

3-Nitroaniline

Concen: 38.126 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

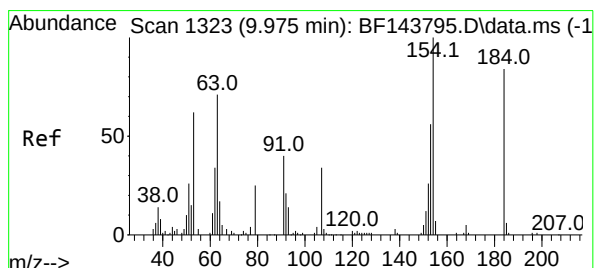
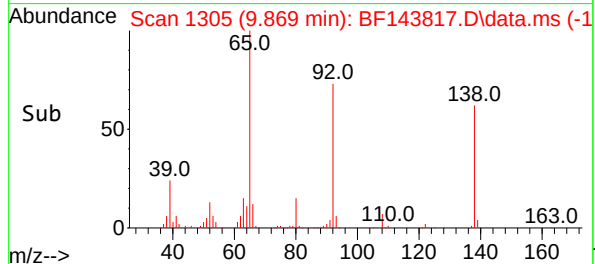
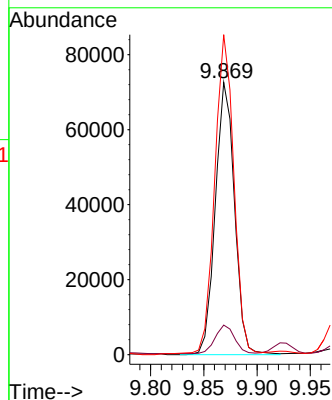
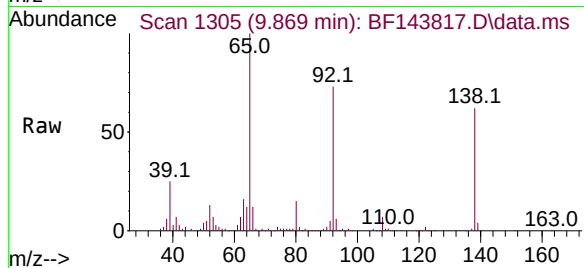
Tgt Ion:138 Resp: 91177

Ion Ratio Lower Upper

138 100

108 10.9 9.9 14.9

92 117.5 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 63.893 ng

RT: 9.975 min Scan# 1323

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

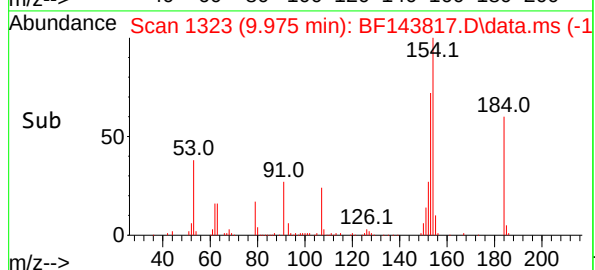
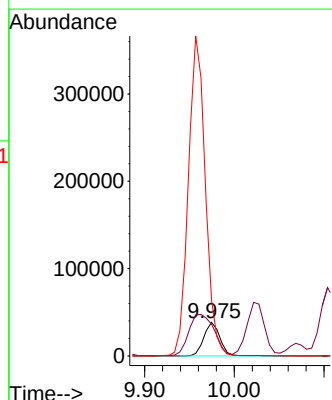
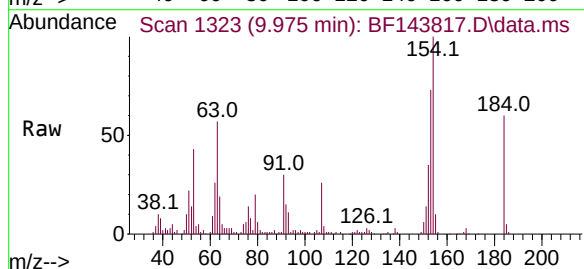
Tgt Ion:184 Resp: 47537

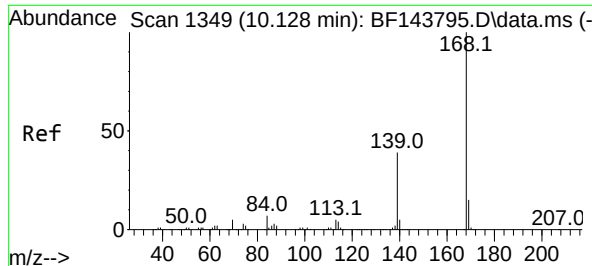
Ion Ratio Lower Upper

184 100

63 94.9 84.6 127.0

154 165.9 199.3 298.9#





#55

Dibenzofuran

Concen: 46.979 ng

RT: 10.127 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

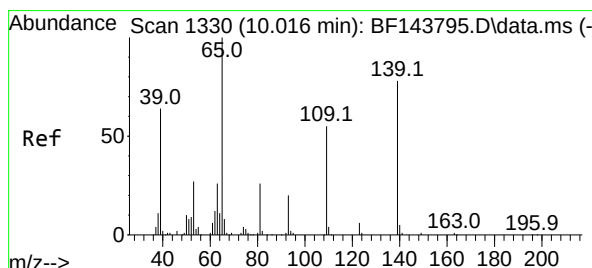
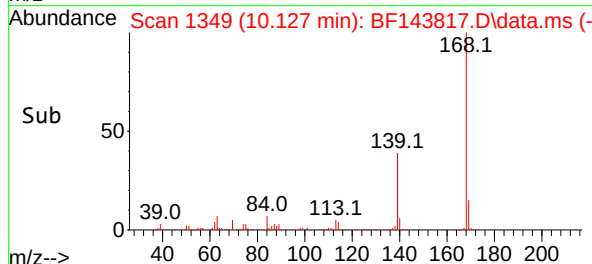
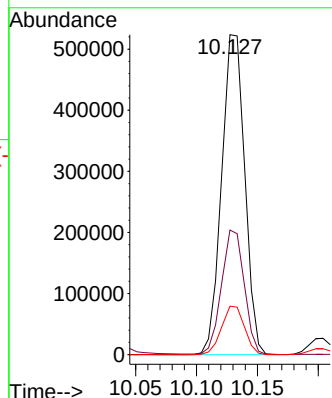
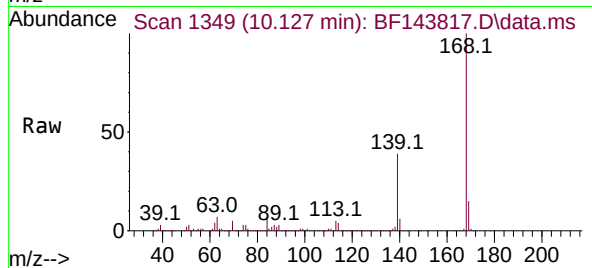
Tgt Ion:168 Resp: 690882

Ion Ratio Lower Upper

168 100

139 38.9 31.0 46.6

169 15.1 11.9 17.9



#56

4-Nitrophenol

Concen: 114.521 ng

RT: 10.027 min Scan# 1332

Delta R.T. 0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

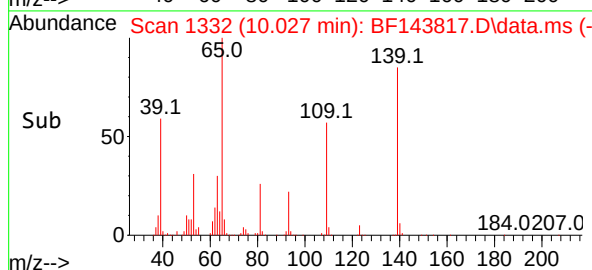
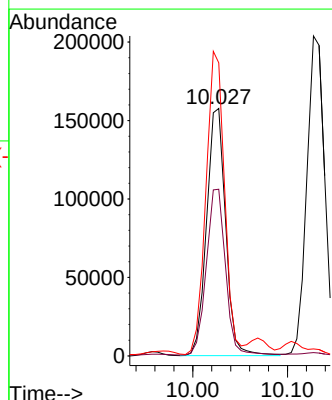
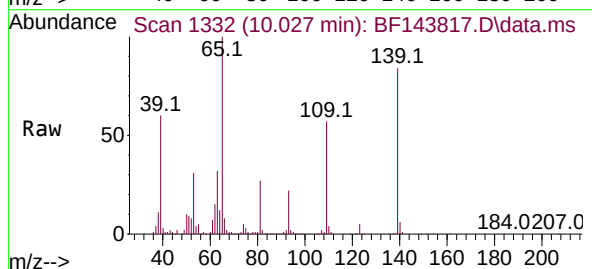
Tgt Ion:139 Resp: 220693

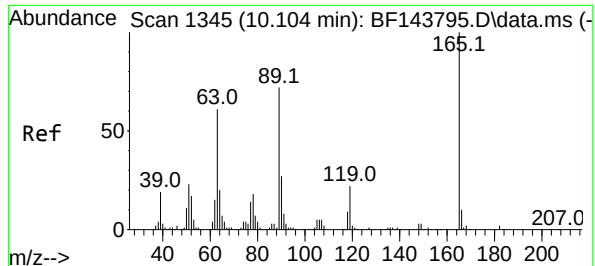
Ion Ratio Lower Upper

139 100

109 67.4 50.2 90.2

65 118.4 109.2 149.2





#57

2,4-Dinitrotoluene

Concen: 55.295 ng

RT: 10.104 min Scan# 1345

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

Tgt Ion:165 Resp: 163310

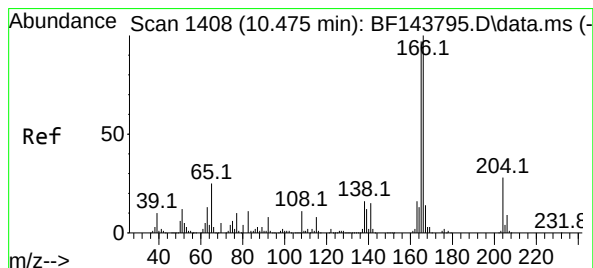
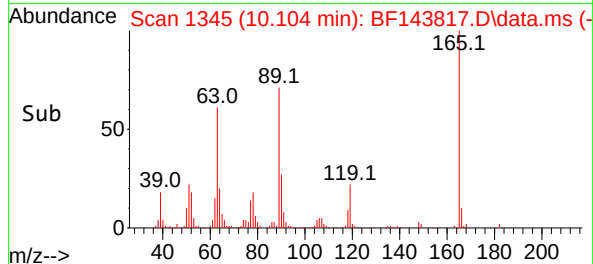
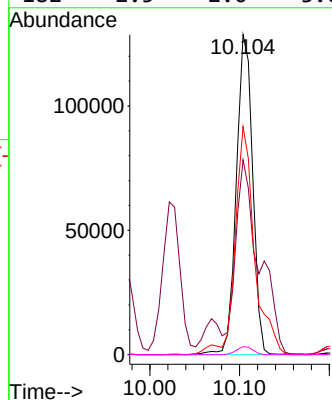
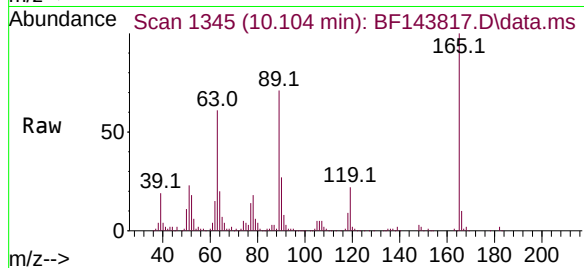
Ion Ratio Lower Upper

165 100

63 60.9 48.9 73.3

89 71.2 57.5 86.3

182 2.5 2.0 3.0



#58

Fluorene

Concen: 47.838 ng

RT: 10.474 min Scan# 1408

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

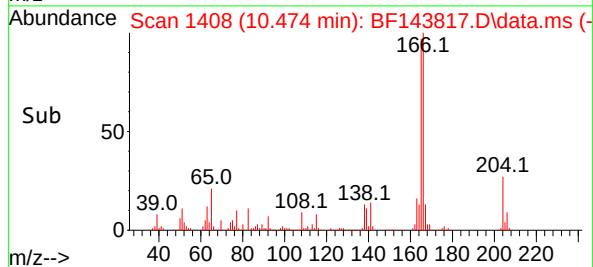
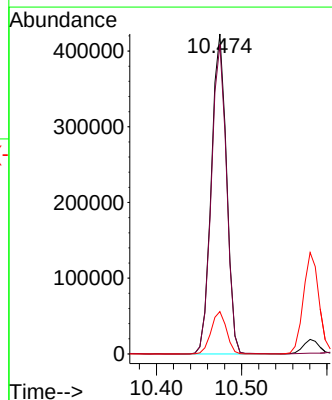
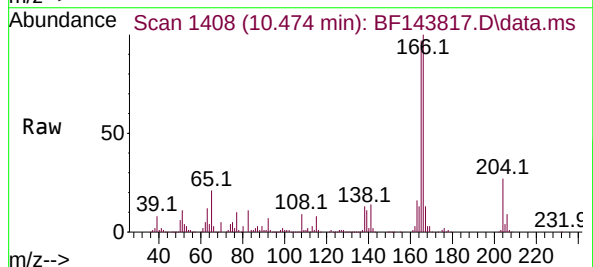
Tgt Ion:166 Resp: 523002

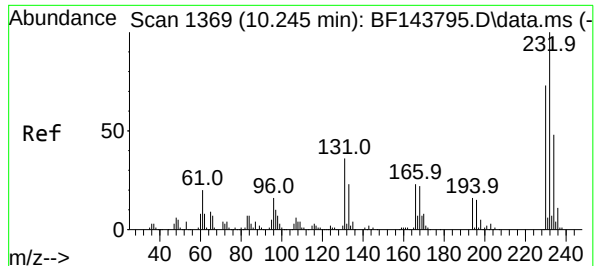
Ion Ratio Lower Upper

166 100

165 96.7 78.0 117.0

167 13.2 10.9 16.3

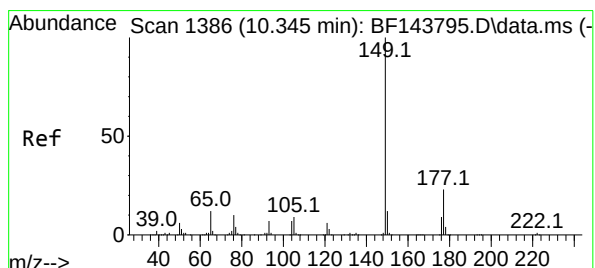
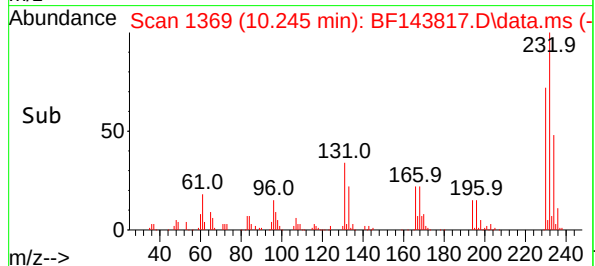
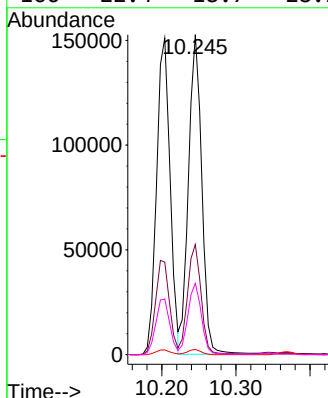
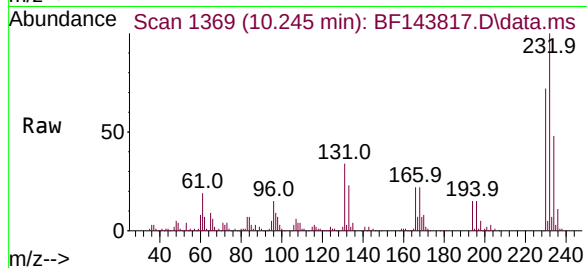




#59
2,3,4,6-Tetrachlorophenol
Concen: 57.116 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

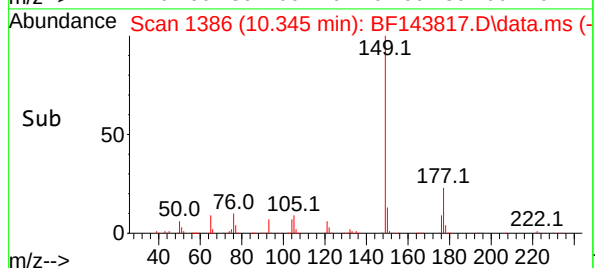
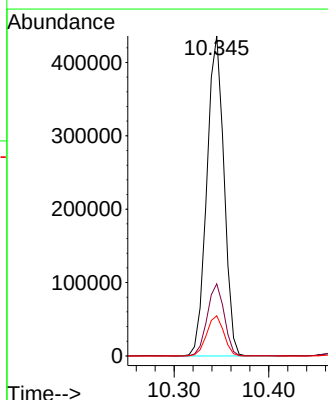
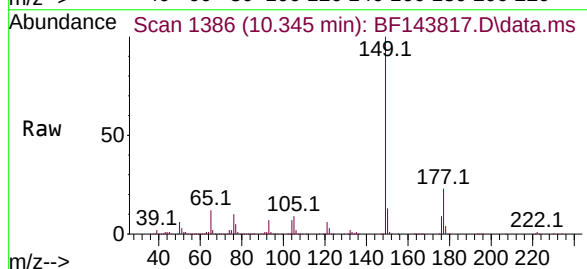
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

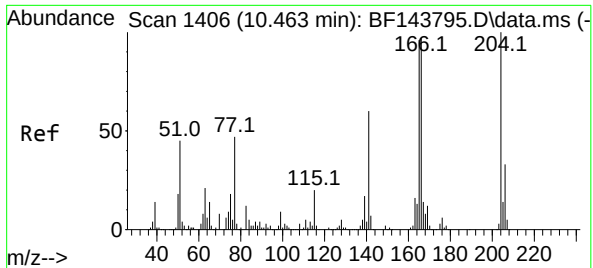
Tgt Ion:232 Resp: 190538
Ion Ratio Lower Upper
232 100
131 34.5 29.4 44.2
130 1.6 1.3 1.9
166 22.4 18.7 28.1



#60
Diethylphthalate
Concen: 48.872 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion:149 Resp: 549355
Ion Ratio Lower Upper
149 100
177 22.5 18.1 27.1
150 12.5 9.7 14.5

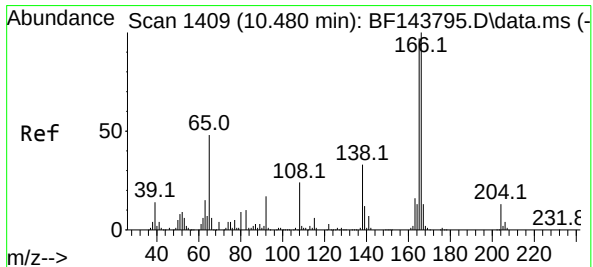
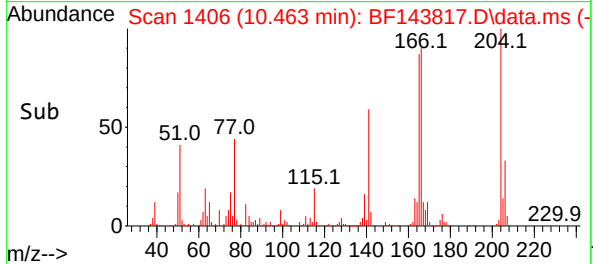
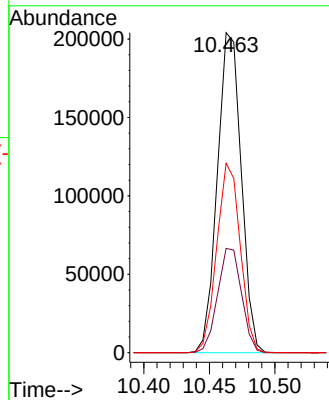
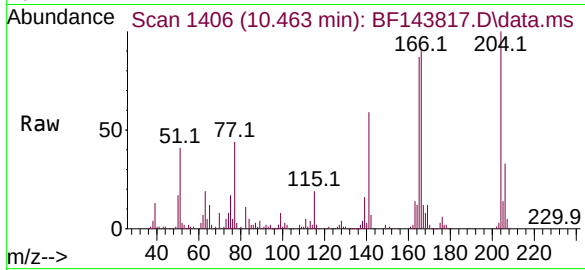




#61
4-Chlorophenyl-phenylether
Concen: 46.583 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

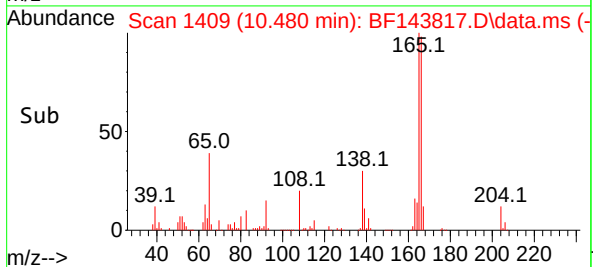
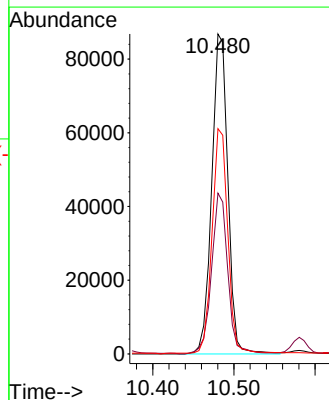
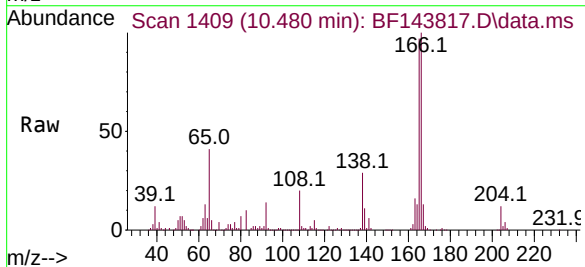
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

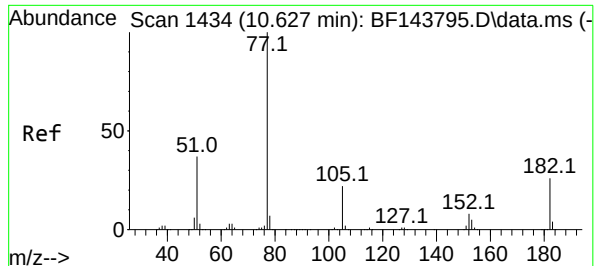
Tgt Ion:204 Resp: 259499
Ion Ratio Lower Upper
204 100
206 32.6 26.7 40.1
141 59.2 48.2 72.2



#62
4-Nitroaniline
Concen: 53.282 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion:138 Resp: 119810
Ion Ratio Lower Upper
138 100
92 50.2 31.5 71.5
108 70.4 51.9 91.9

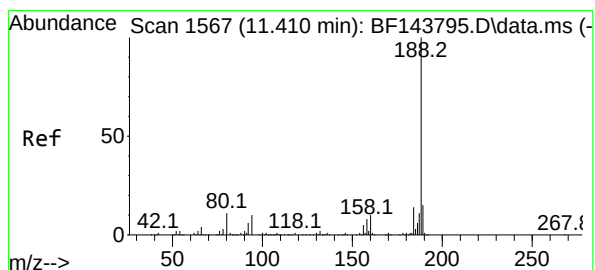
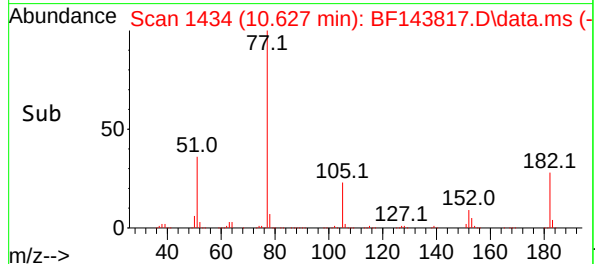
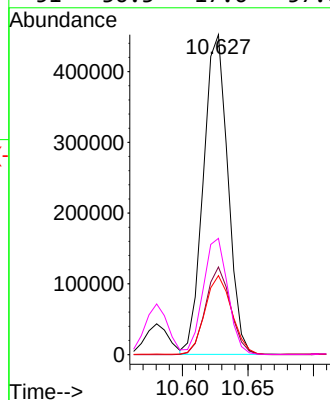
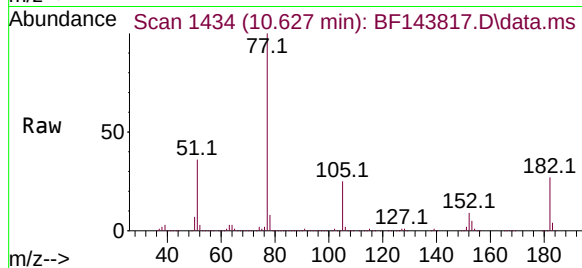




#63
Azobenzene
Concen: 49.483 ng
RT: 10.627 min Scan# 1434
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

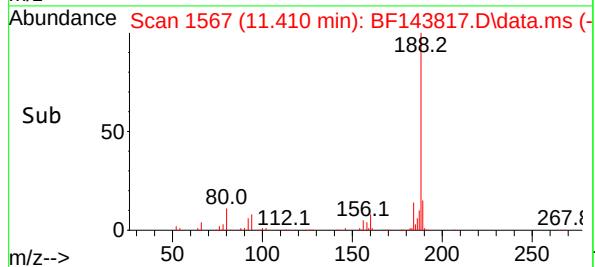
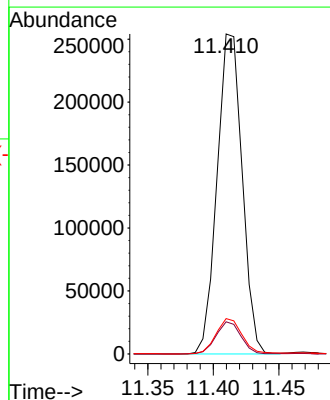
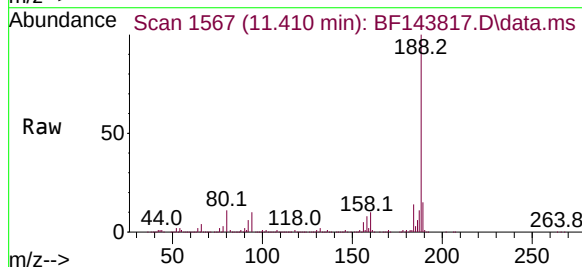
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

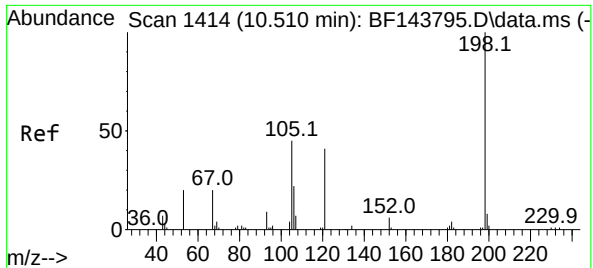
Tgt Ion: 77 Resp: 586205
Ion Ratio Lower Upper
77 100
182 27.4 5.9 45.9
105 24.7 2.3 42.3
51 36.3 17.6 57.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion: 188 Resp: 338625
Ion Ratio Lower Upper
188 100
94 10.1 8.2 12.2
80 11.0 8.6 12.8

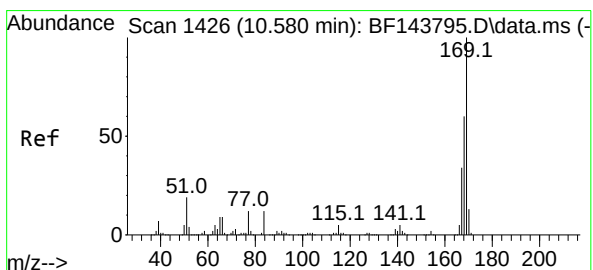
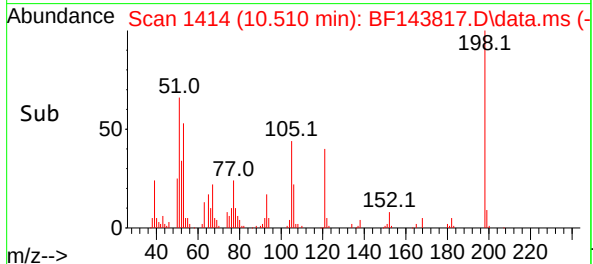
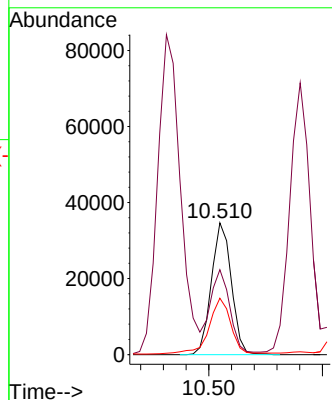
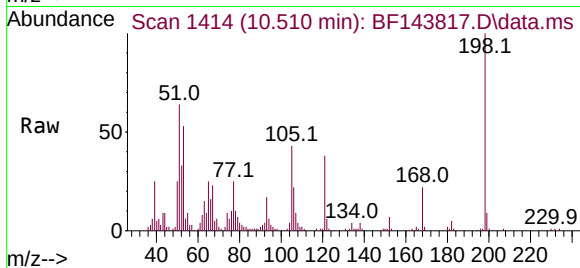




#65
4,6-Dinitro-2-methylphenol
Concen: 36.969 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

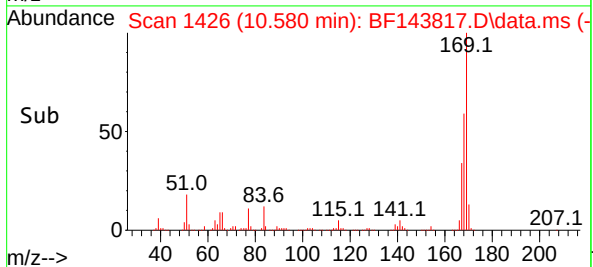
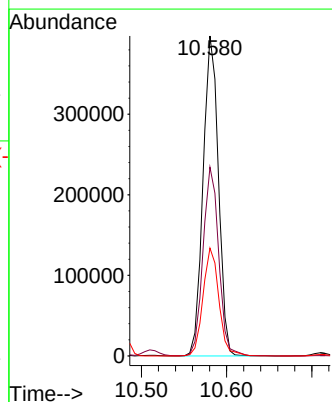
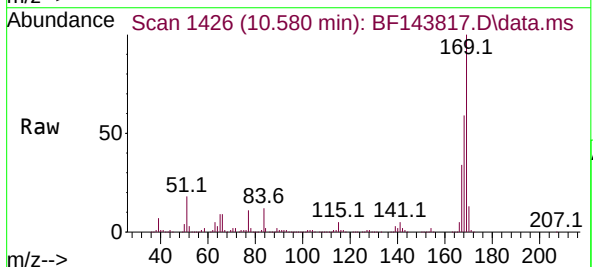
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

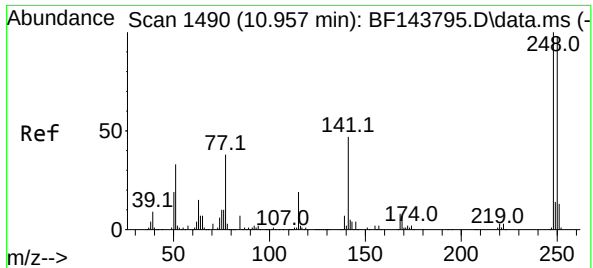
Tgt Ion:198 Resp: 42324
Ion Ratio Lower Upper
198 100
51 64.4 52.0 92.0
105 42.8 27.5 67.5



#66
n-Nitrosodiphenylamine
Concen: 44.583 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion:169 Resp: 496491
Ion Ratio Lower Upper
169 100
168 59.0 47.9 71.9
167 33.7 27.0 40.6

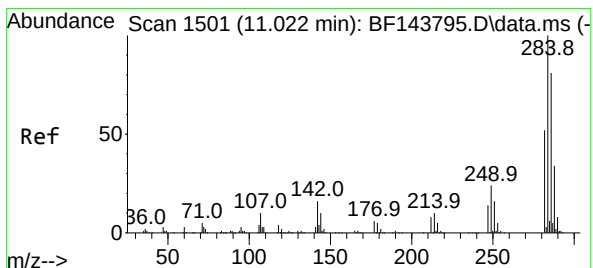
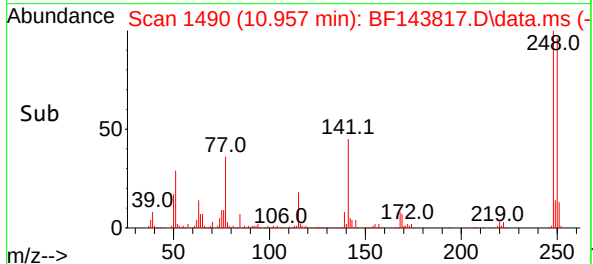
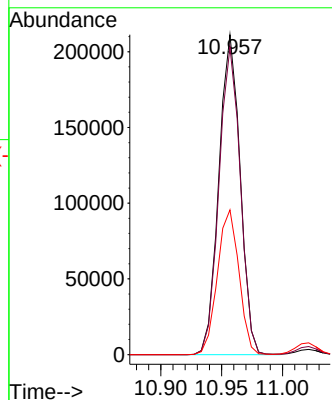
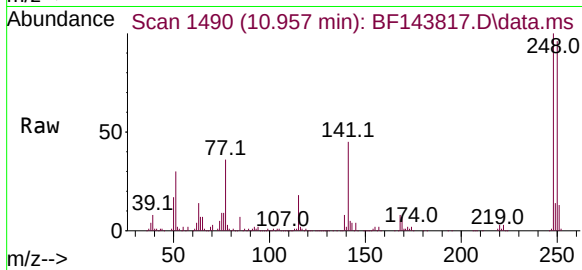




#67
4-Bromophenyl-phenylether
Concen: 44.607 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

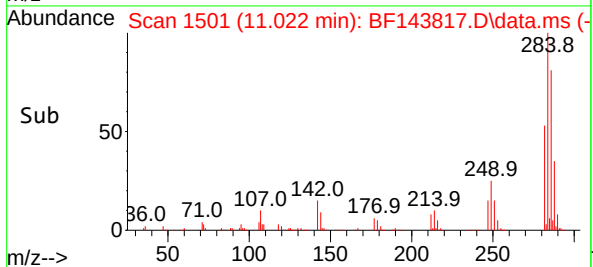
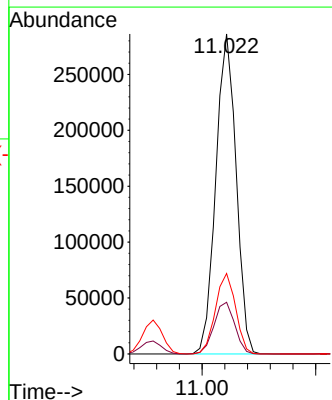
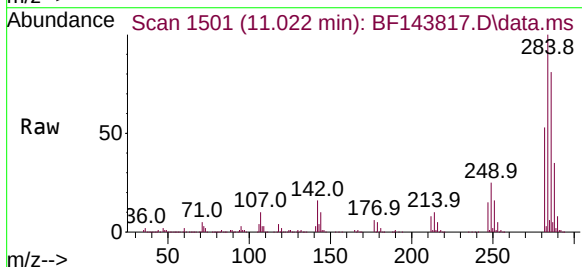
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

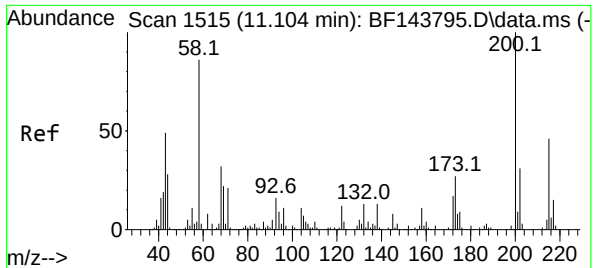
Tgt Ion:248 Resp: 257415
Ion Ratio Lower Upper
248 100
250 96.1 78.7 118.1
141 45.2 37.9 56.9



#68
Hexachlorobenzene
Concen: 44.576 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion:284 Resp: 354496
Ion Ratio Lower Upper
284 100
142 16.2 13.1 19.7
249 25.1 19.5 29.3





#69

Atrazine

Concen: 50.006 ng

RT: 11.110 min Scan# 1516

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

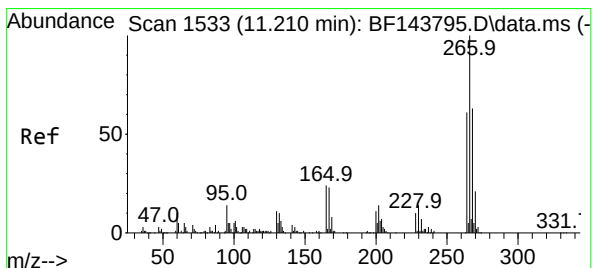
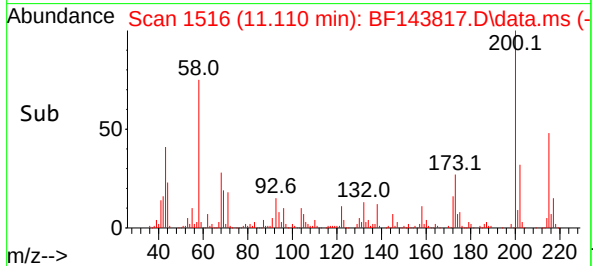
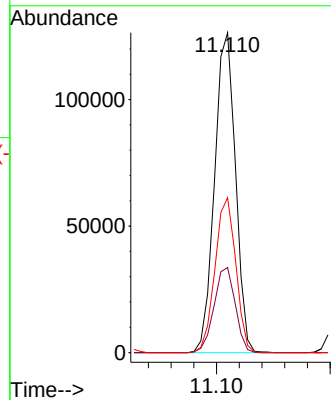
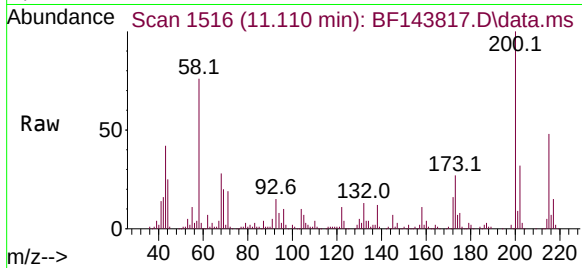
Tgt Ion:200 Resp: 161262

Ion Ratio Lower Upper

200 100

173 26.6 7.2 47.2

215 48.4 26.0 66.0



#70

Pentachlorophenol

Concen: 111.364 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

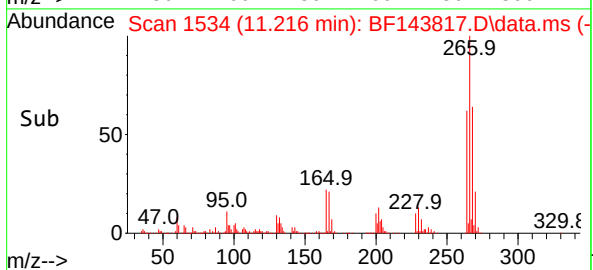
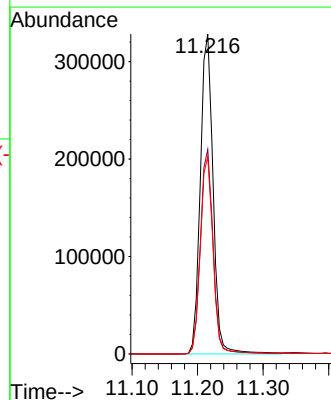
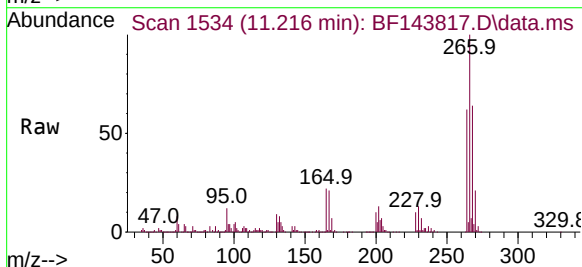
Tgt Ion:266 Resp: 440851

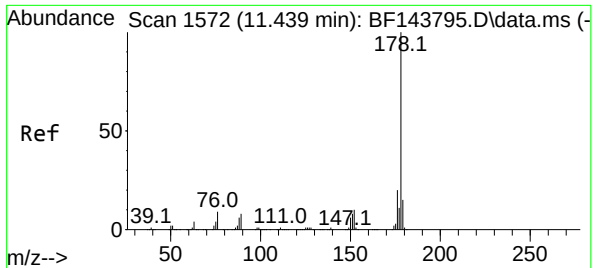
Ion Ratio Lower Upper

266 100

268 63.9 50.5 75.7

264 61.6 48.8 73.2





#71

Phenanthrene

Concen: 46.754 ng

RT: 11.439 min Scan# 1572

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

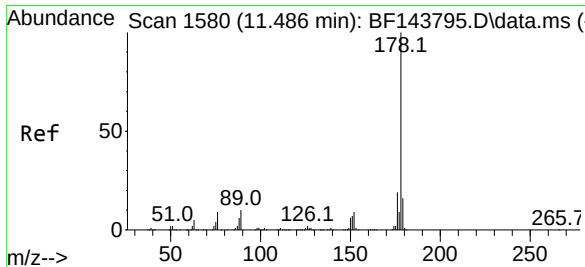
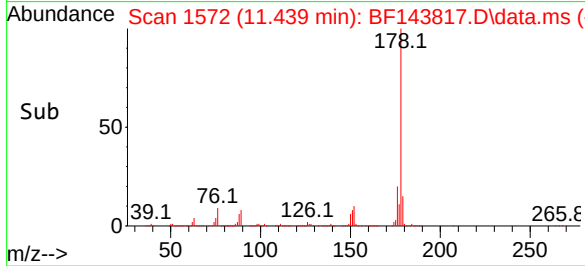
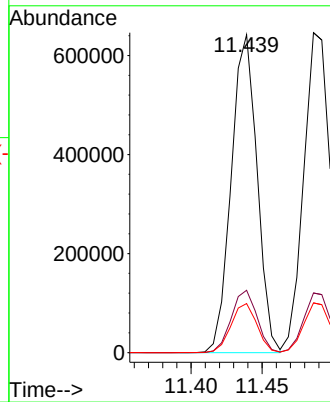
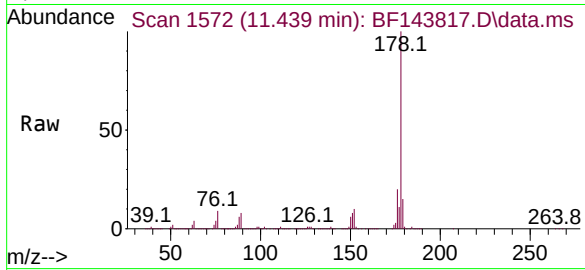
Tgt Ion:178 Resp: 812817

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.4 12.2 18.4



#72

Anthracene

Concen: 48.290 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

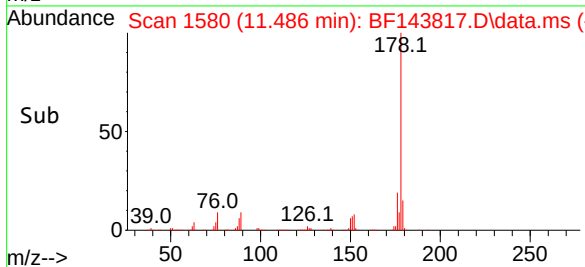
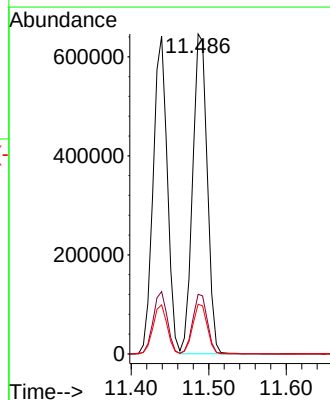
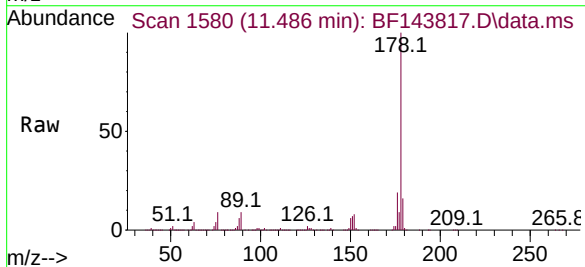
Tgt Ion:178 Resp: 842097

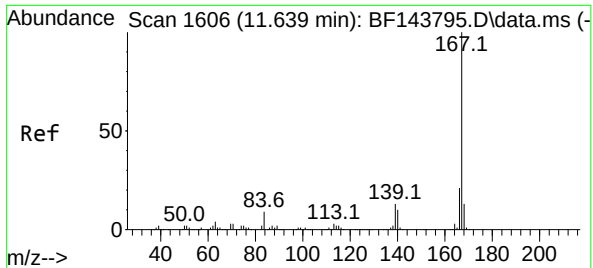
Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 15.5 12.8 19.2

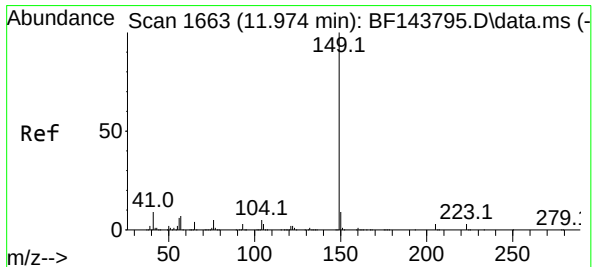
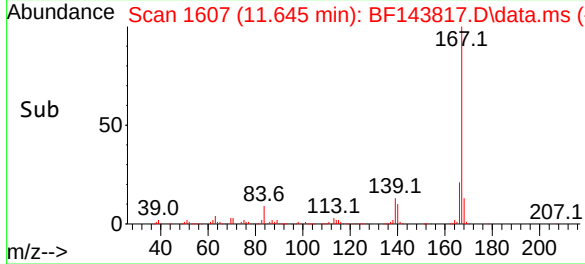
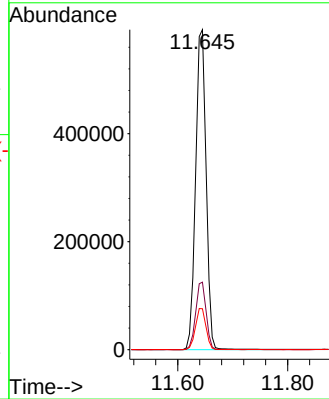
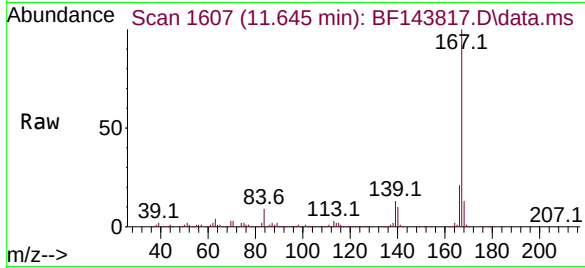




#73
Carbazole
Concen: 51.713 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

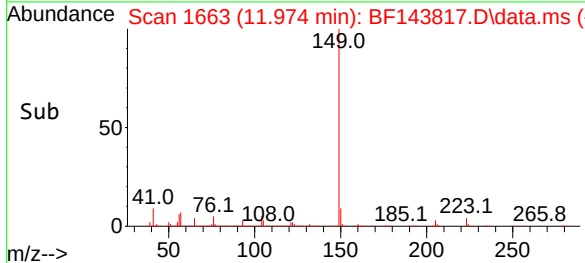
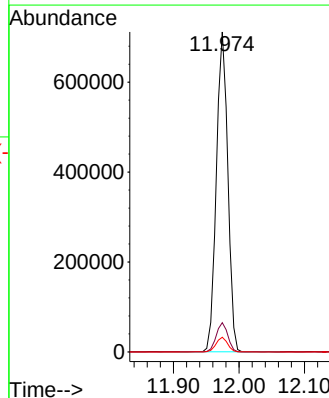
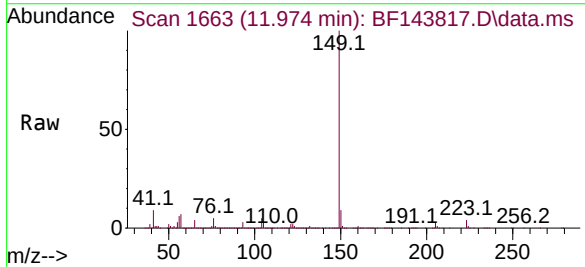
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

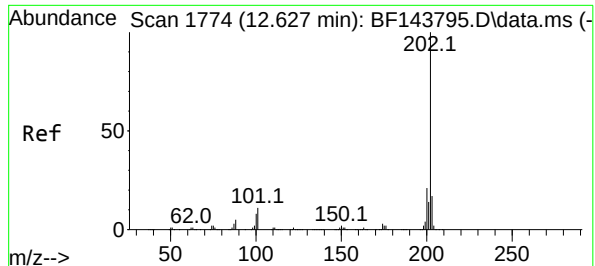
Tgt Ion:167 Resp: 788458
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.4
139 12.8 10.6 15.8



#74
Di-n-butylphthalate
Concen: 49.358 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion:149 Resp: 865492
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 4.6 3.6 5.4





#75

Fluoranthene

Concen: 57.995 ng

RT: 12.627 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

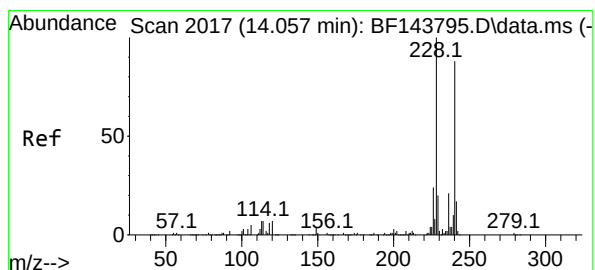
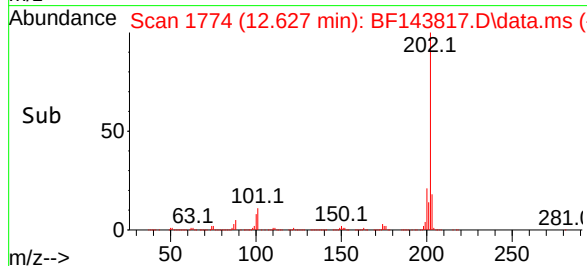
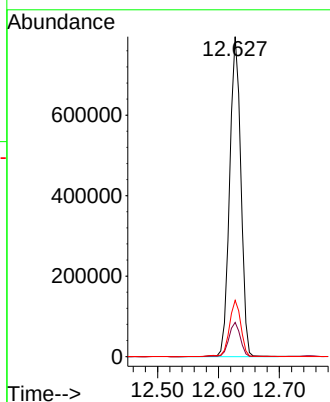
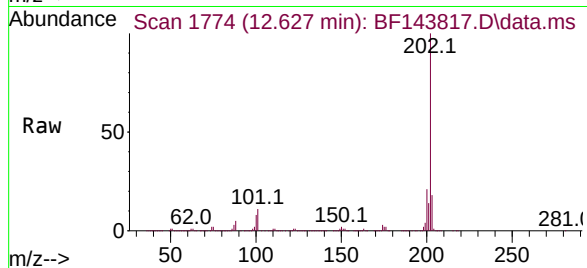
Tgt Ion:202 Resp: 1014060

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.1

203 17.6 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.062 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

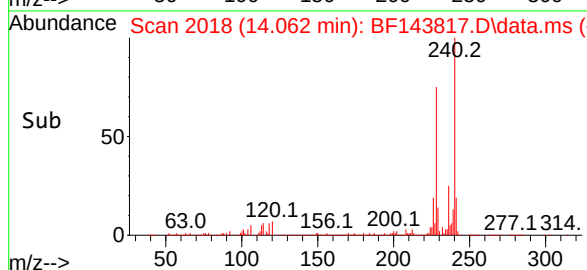
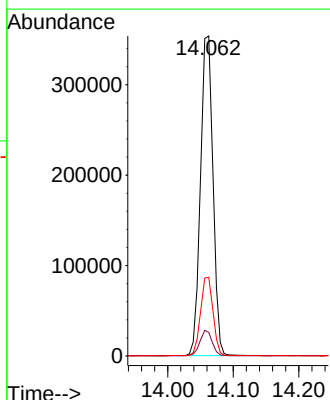
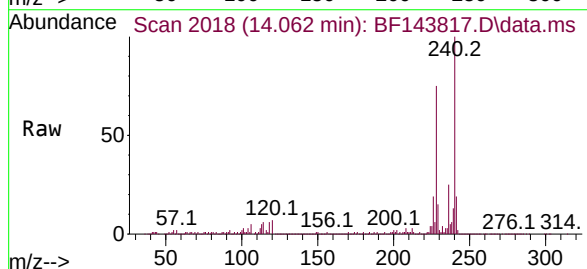
Tgt Ion:240 Resp: 466221

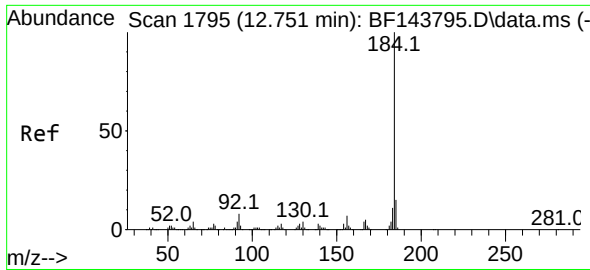
Ion Ratio Lower Upper

240 100

120 7.3 6.2 9.4

236 24.6 19.4 29.2

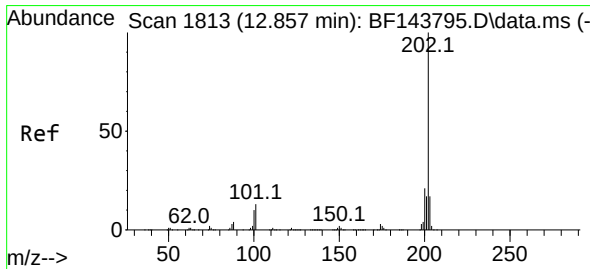
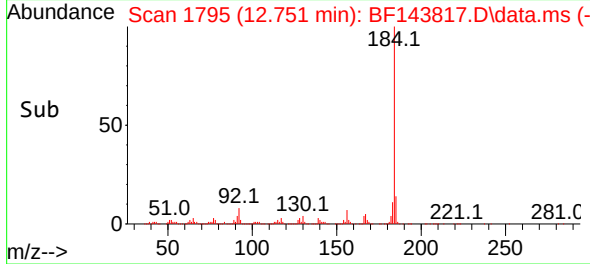
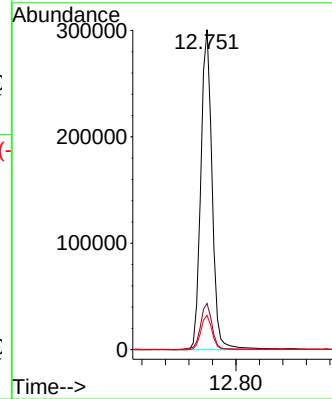
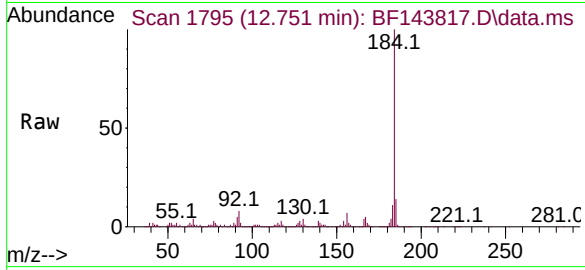




#77
Benzidine
Concen: 35.214 ng
RT: 12.751 min Scan# 1795
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

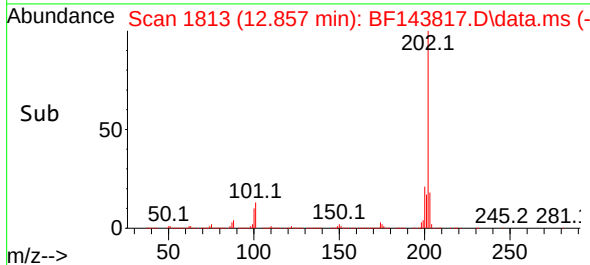
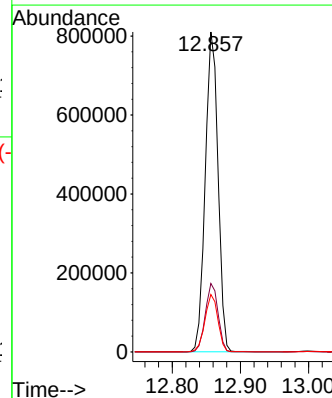
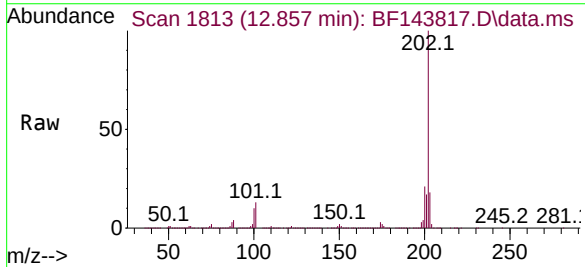
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

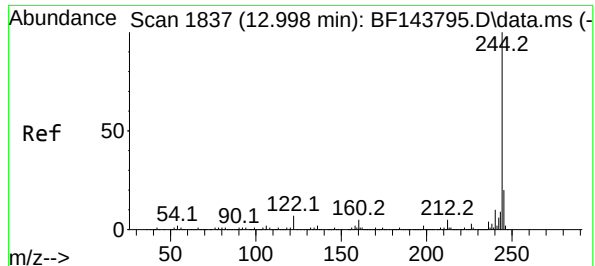
Tgt Ion:184 Resp: 400056
Ion Ratio Lower Upper
184 100
185 14.4 11.6 17.4
183 10.7 8.6 13.0



#78
Pyrene
Concen: 46.019 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion:202 Resp: 1054811
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 18.0 13.9 20.9





#79

Terphenyl-d14

Concen: 48.255 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

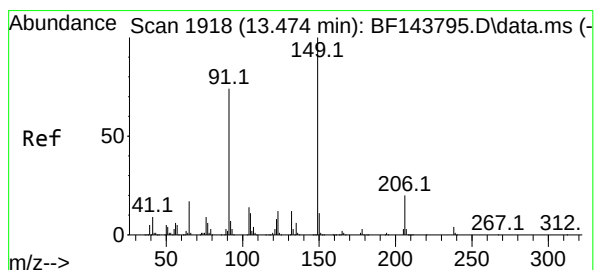
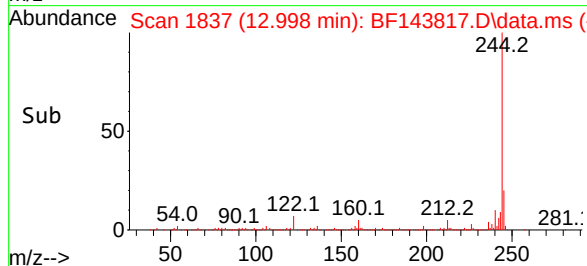
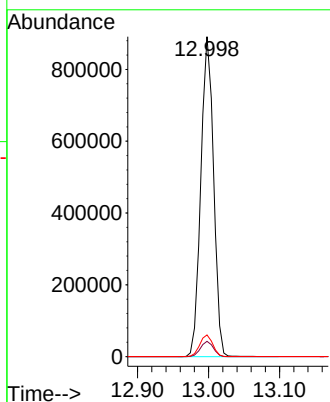
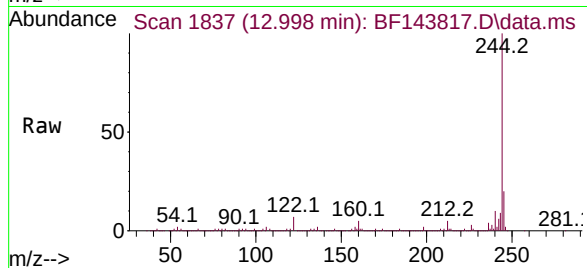
Tgt Ion:244 Resp: 1106215

Ion Ratio Lower Upper

244 100

212 4.8 3.9 5.9

122 6.8 5.6 8.4



#80

Butylbenzylphthalate

Concen: 52.702 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

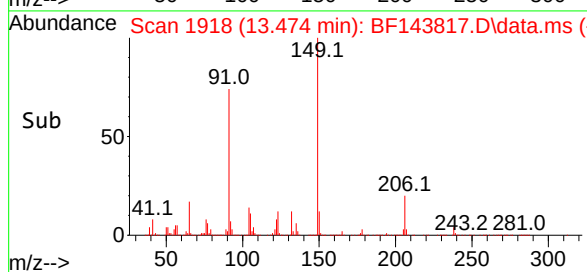
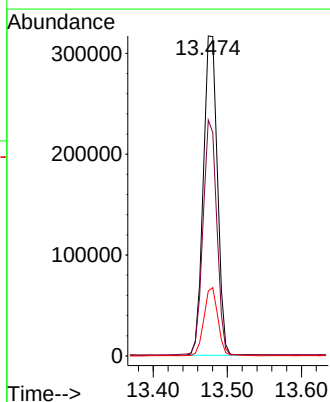
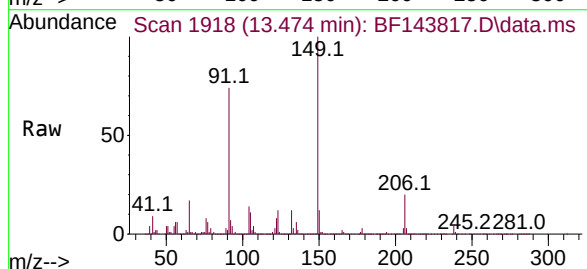
Tgt Ion:149 Resp: 417931

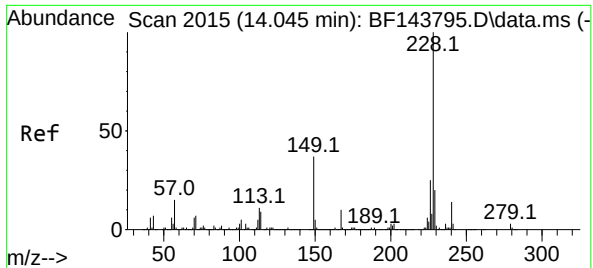
Ion Ratio Lower Upper

149 100

91 73.7 59.5 89.3

206 20.3 16.1 24.1

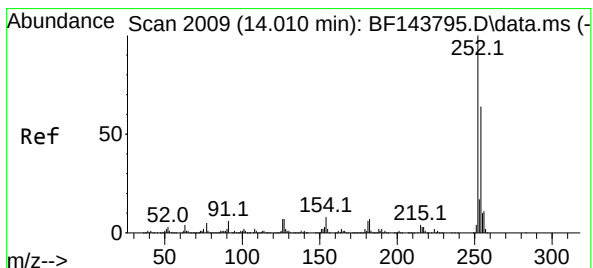
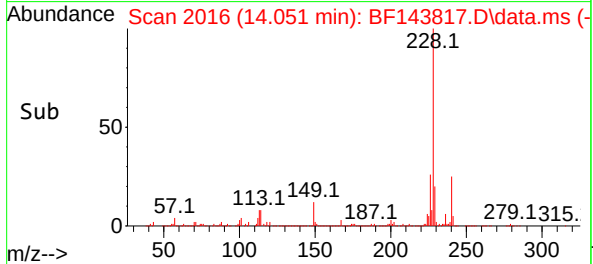
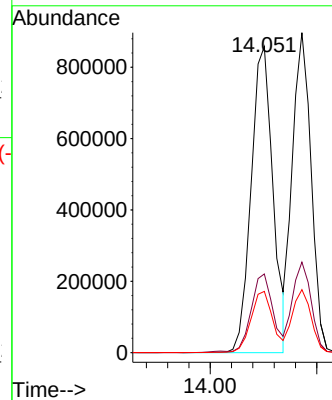
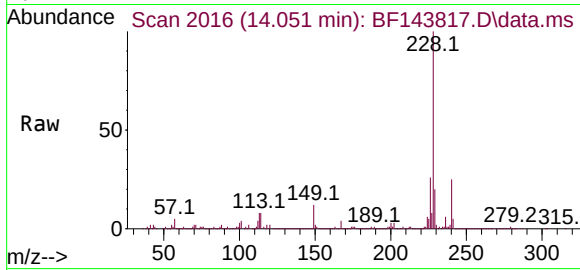




#81
Benzo(a)anthracene
Concen: 48.951 ng
RT: 14.051 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

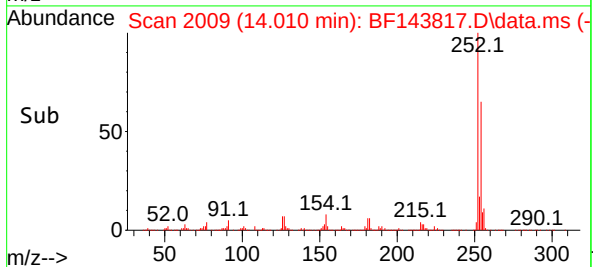
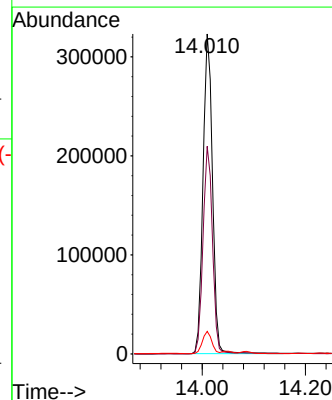
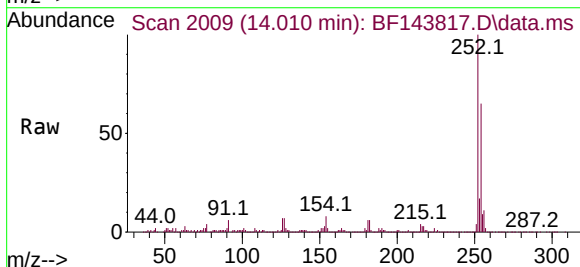
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

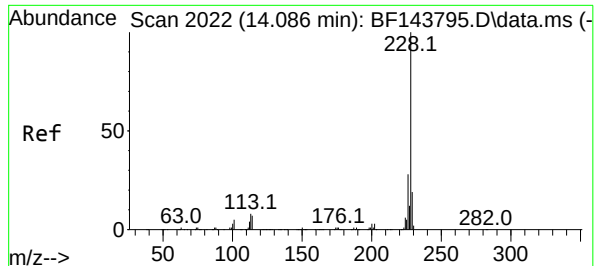
Tgt Ion:228 Resp: 1226054
Ion Ratio Lower Upper
228 100
226 25.7 20.2 30.2
229 20.0 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 37.859 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion:252 Resp: 410788
Ion Ratio Lower Upper
252 100
254 64.9 51.5 77.3
126 7.0 5.4 8.2





#83

Chrysene

Concen: 48.288 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

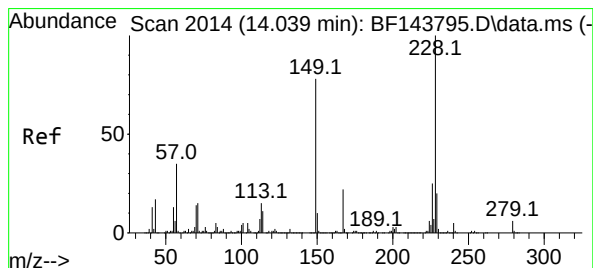
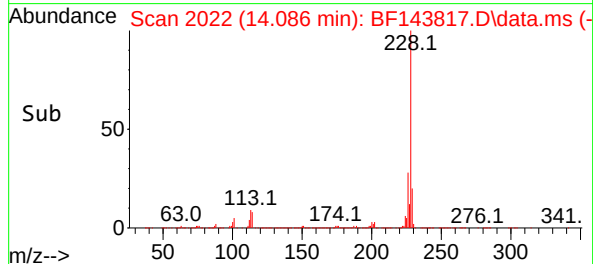
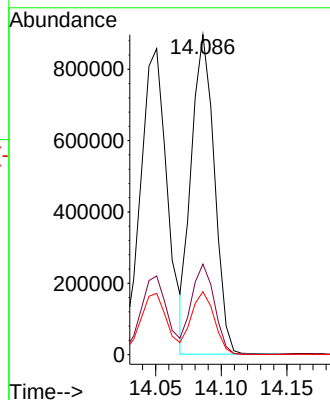
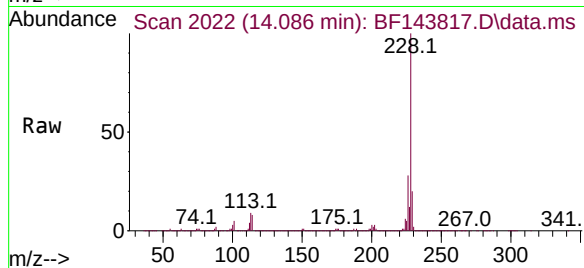
Tgt Ion:228 Resp: 1094367

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.451 ng

RT: 14.039 min Scan# 2014

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

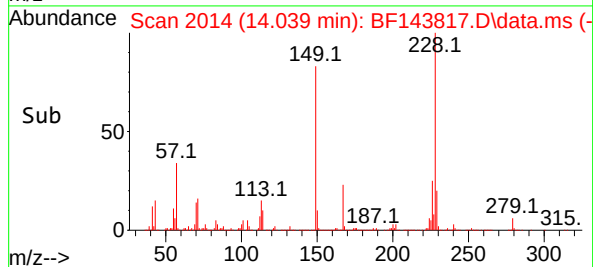
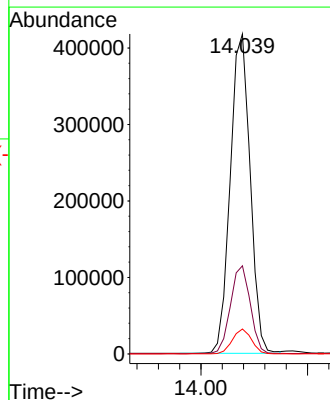
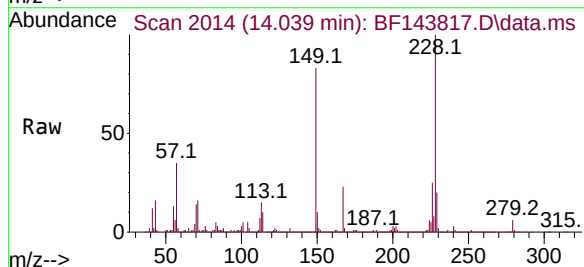
Tgt Ion:149 Resp: 539945

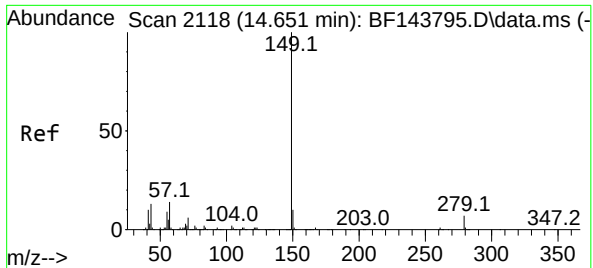
Ion Ratio Lower Upper

149 100

167 27.5 22.2 33.2

279 7.8 6.0 9.0

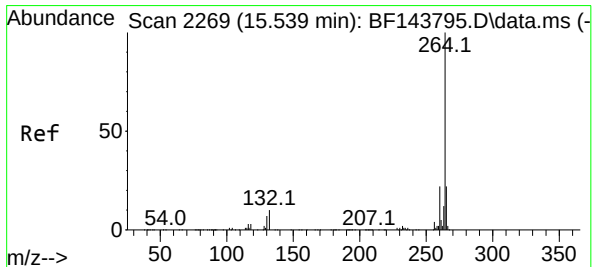
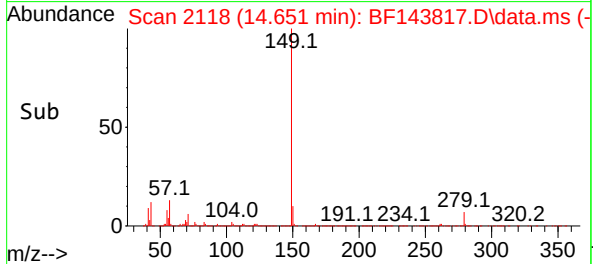
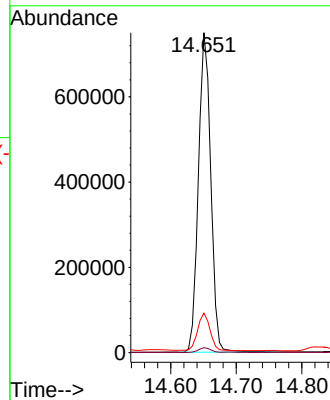
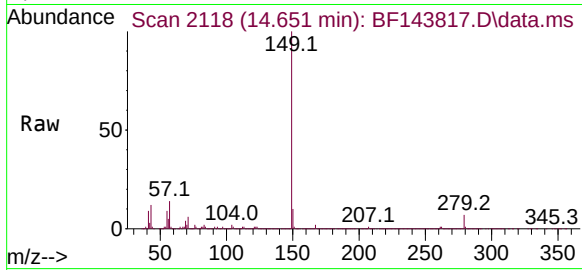




#85
Di-n-octyl phthalate
Concen: 46.324 ng
RT: 14.651 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

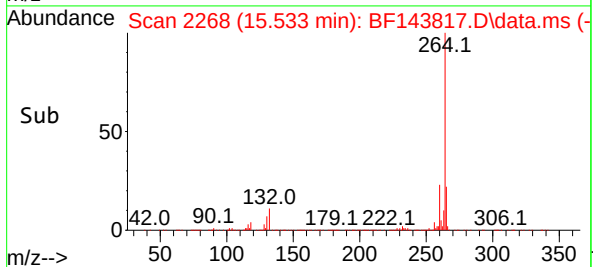
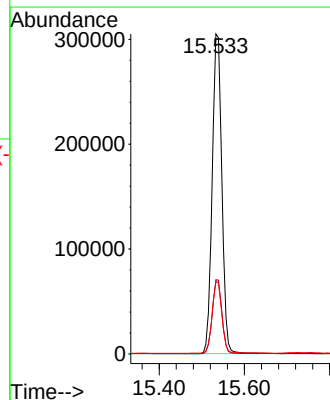
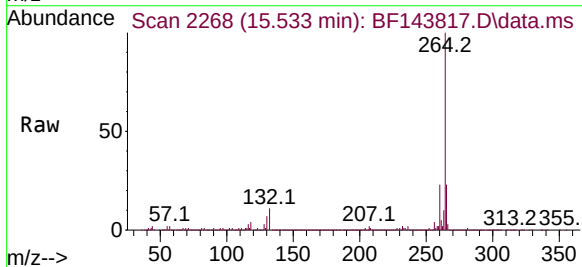
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MS

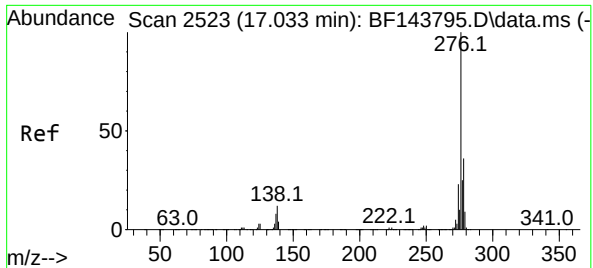
Tgt Ion:149 Resp: 976739
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.9 10.7 16.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143817.D
Acq: 25 Sep 2025 21:50

Tgt Ion:264 Resp: 479520
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 22.6 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 33.937 ng

RT: 17.027 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

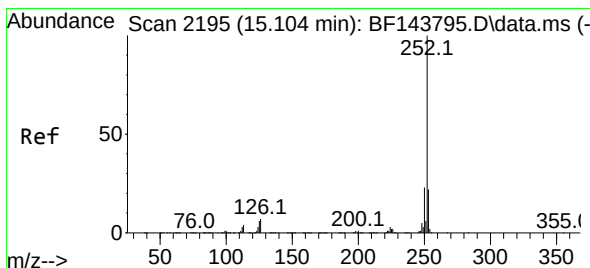
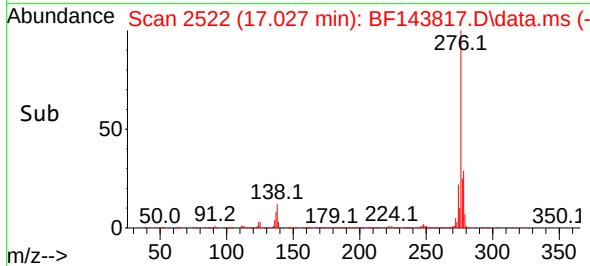
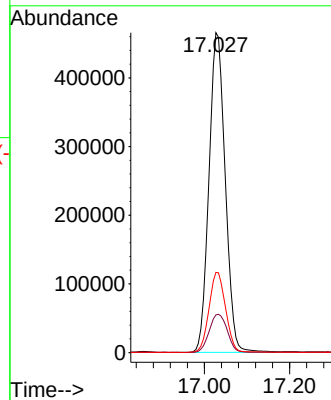
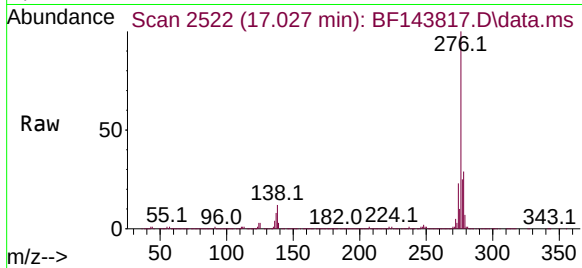
Tgt Ion:276 Resp: 1234729

Ion Ratio Lower Upper

276 100

138 13.2 10.6 15.8

277 25.7 20.7 31.1



#88

Benzo(b)fluoranthene

Concen: 63.756 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.000 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

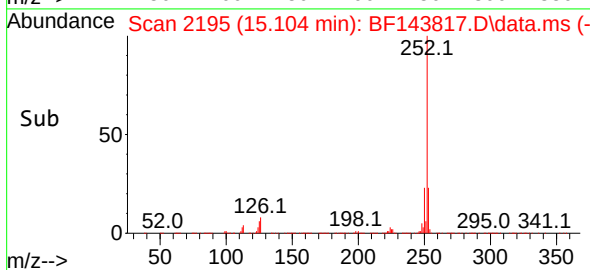
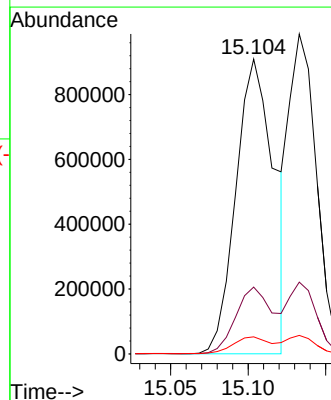
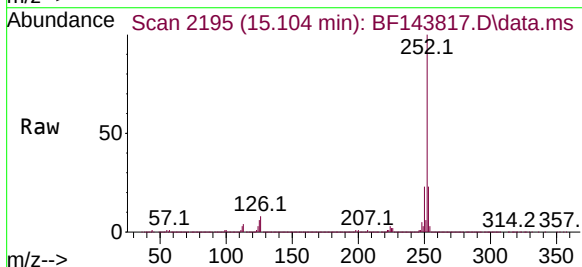
Tgt Ion:252 Resp: 1556899

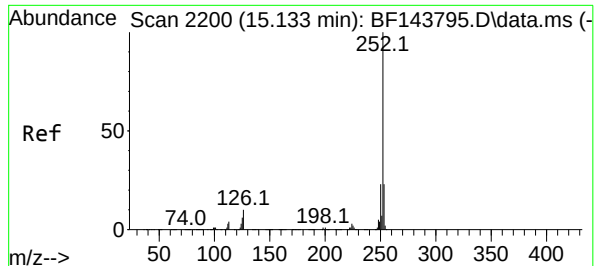
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 5.8 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 49.137 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

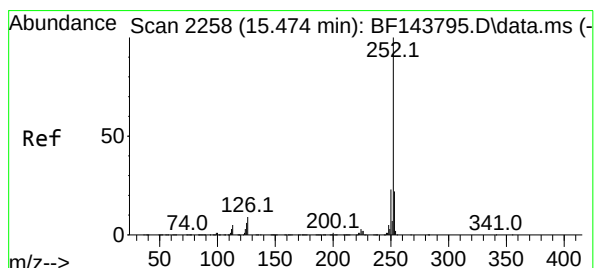
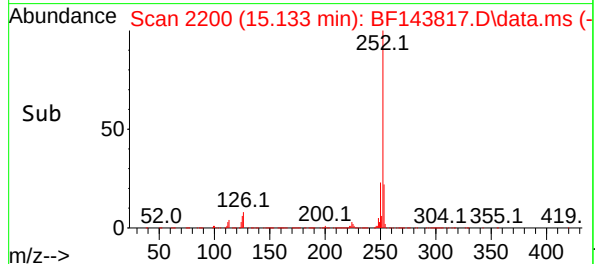
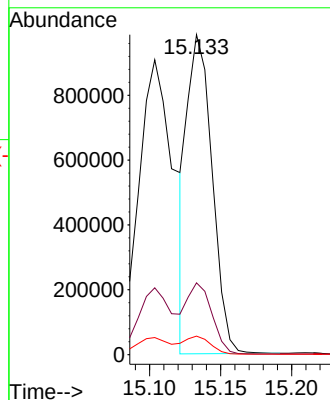
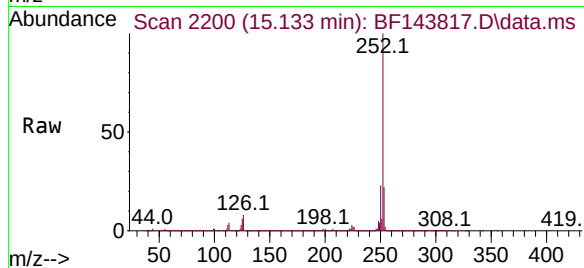
Tgt Ion:252 Resp: 1205497

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 5.8 4.6 6.8



#90

Benzo(a)pyrene

Concen: 52.915 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

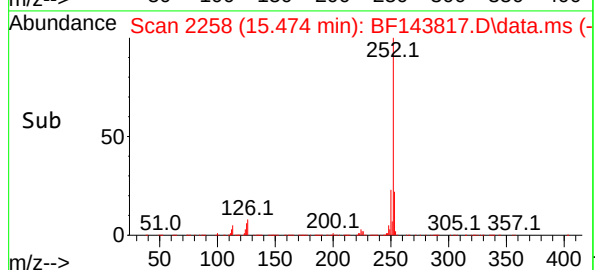
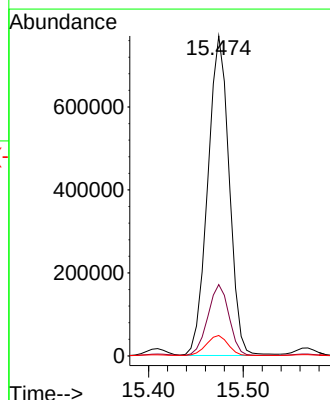
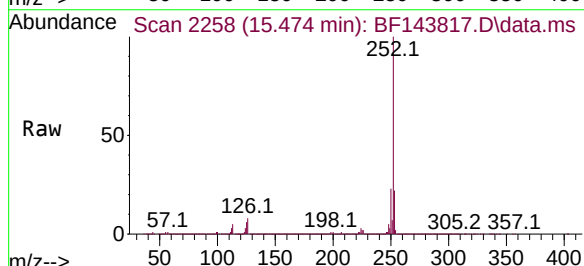
Tgt Ion:252 Resp: 1214603

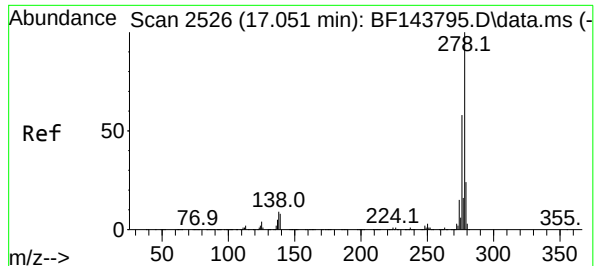
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 6.4 5.0 7.4





#91

Dibenzo(a,h)anthracene

Concen: 33.587 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MS

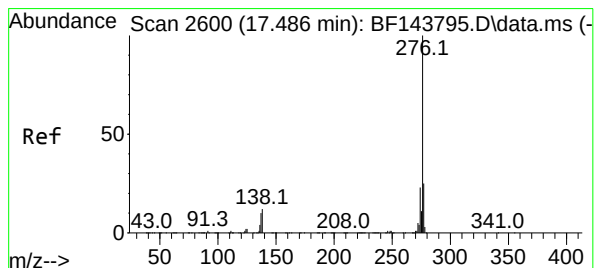
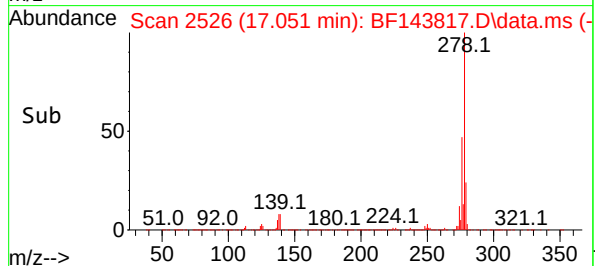
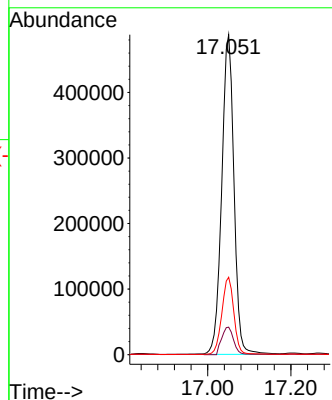
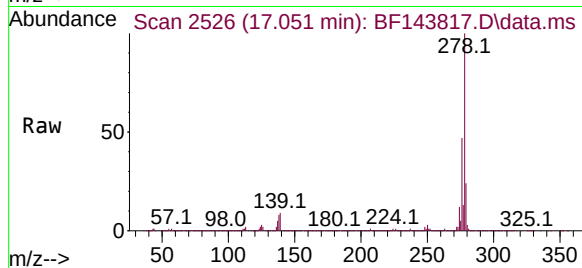
Tgt Ion:278 Resp: 999487

Ion Ratio Lower Upper

278 100

139 8.6 6.7 10.1

279 24.2 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 33.924 ng

RT: 17.480 min Scan# 2599

Delta R.T. -0.024 min

Lab File: BF143817.D

Acq: 25 Sep 2025 21:50

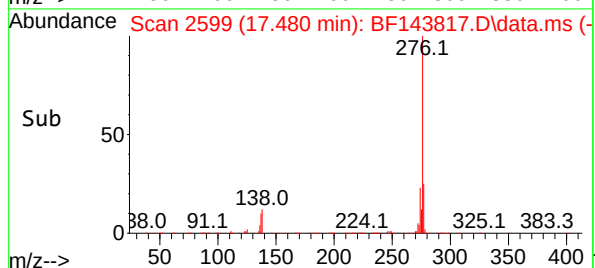
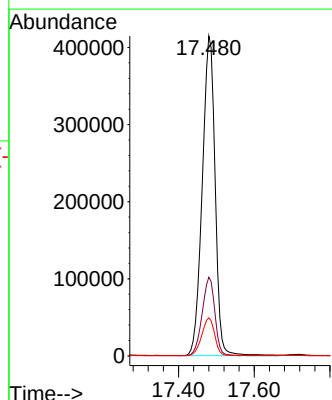
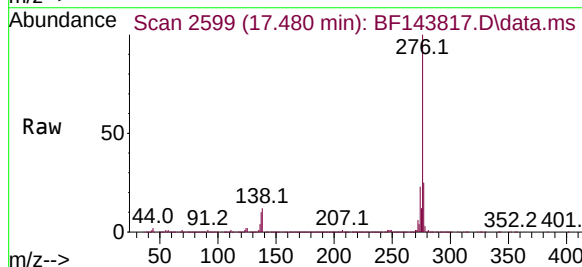
Tgt Ion:276 Resp: 973139

Ion Ratio Lower Upper

276 100

277 24.6 19.6 29.4

138 11.9 9.2 13.8



Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01MSD	SDG No.:	Q3178
Lab Sample ID:	Q3178-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143818.D	1	09/25/25 09:25	09/25/25 22:20	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1500		220	460	ug/Kg
108-95-2	Phenol	2400		30.9	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		34.0	240	ug/Kg
95-57-8	2-Chlorophenol	2300		34.1	240	ug/Kg
95-48-7	2-Methylphenol	2300		41.8	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		52.4	240	ug/Kg
98-86-2	Acetophenone	2600		41.2	240	ug/Kg
65794-96-9	3+4-Methylphenols	2300		57.5	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2300		66.3	110	ug/Kg
67-72-1	Hexachloroethane	2100		24.6	240	ug/Kg
98-95-3	Nitrobenzene	2400		25.6	240	ug/Kg
78-59-1	Isophorone	2400		45.9	240	ug/Kg
88-75-5	2-Nitrophenol	2600		81.4	240	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		90.6	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2300		43.1	240	ug/Kg
120-83-2	2,4-Dichlorophenol	2300		39.6	240	ug/Kg
91-20-3	Naphthalene	2200		31.7	240	ug/Kg
106-47-8	4-Chloroaniline	880		49.5	240	ug/Kg
87-68-3	Hexachlorobutadiene	2200		35.4	240	ug/Kg
105-60-2	Caprolactam	2900		72.8	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2400		40.1	240	ug/Kg
91-57-6	2-Methylnaphthalene	2100		35.8	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	160	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2500		27.7	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2400		40.7	240	ug/Kg
92-52-4	1,1-Biphenyl	2500		30.5	240	ug/Kg
91-58-7	2-Chloronaphthalene	2200		31.5	240	ug/Kg
88-74-4	2-Nitroaniline	2900		67.3	240	ug/Kg
131-11-3	Dimethylphthalate	2500		37.9	240	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01MSD	SDG No.:	Q3178
Lab Sample ID:	Q3178-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143818.D	1	09/25/25 09:25	09/25/25 22:20	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2600		40.4	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	3200		47.0	240	ug/Kg
99-09-2	3-Nitroaniline	1800		64.3	240	ug/Kg
83-32-9	Acenaphthene	2300		29.8	240	ug/Kg
51-28-5	2,4-Dinitrophenol	3100		320	460	ug/Kg
100-02-7	4-Nitrophenol	5400	E	150	460	ug/Kg
132-64-9	Dibenzofuran	2300		31.7	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	2700		70.1	240	ug/Kg
84-66-2	Diethylphthalate	2400		39.6	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2300		37.3	240	ug/Kg
86-73-7	Fluorene	2300		35.4	240	ug/Kg
100-01-6	4-Nitroaniline	2500		89.8	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		140	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2300		46.0	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2300		38.9	240	ug/Kg
118-74-1	Hexachlorobenzene	2300		35.4	240	ug/Kg
1912-24-9	Atrazine	2500		47.5	240	ug/Kg
87-86-5	Pentachlorophenol	5400	E	71.7	460	ug/Kg
85-01-8	Phenanthrene	2300		29.2	240	ug/Kg
120-12-7	Anthracene	2300		46.6	240	ug/Kg
86-74-8	Carbazole	2400		43.6	240	ug/Kg
84-74-2	Di-n-butylphthalate	2500		67.0	240	ug/Kg
206-44-0	Fluoranthene	2600		41.9	240	ug/Kg
129-00-0	Pyrene	2300		50.3	240	ug/Kg
85-68-7	Butylbenzylphthalate	2700		99.8	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1900		51.3	460	ug/Kg
56-55-3	Benzo(a)anthracene	2400		32.2	240	ug/Kg
218-01-9	Chrysene	2300		27.8	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2300		82.8	240	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		120	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	3200		26.6	240	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01MSD	SDG No.:	Q3178
Lab Sample ID:	Q3178-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143818.D	1	09/25/25 09:25	09/25/25 22:20	PB169827

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2400		31.3	240	ug/Kg
50-32-8	Benzo(a)pyrene	2600		41.2	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		40.7	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		38.3	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		35.9	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2500		35.8	240	ug/Kg
123-91-1	1,4-Dioxane	2100		63.2	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2800		38.3	240	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.1		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	92.7		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.6		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.9		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.5		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	53.1		10 - 105	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	126000	6.887			
1146-65-2	Naphthalene-d8	459000	8.169			
15067-26-2	Acenaphthene-d10	224000	9.928			
1517-22-2	Phenanthrene-d10	356000	11.416			
1719-03-5	Chrysene-d12	436000	14.063			
1520-96-3	Perylene-d12	435000	15.533			

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\BF092525\
 Data File : BF143818.D
 Acq On : 25 Sep 2025 22:20
 Operator : RC/JU
 Sample : Q3178-03MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-TS14-01MSD

Quant Time: Sep 25 23:26:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	126353	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	459229	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	224210	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	355718	20.000	ng	0.00
76) Chrysene-d12	14.063	240	435935	20.000	ng	0.00
86) Perylene-d12	15.533	264	434629	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	685500	88.144	ng	0.00
7) Phenol-d6	6.504	99	833354	92.741	ng	0.00
23) Nitrobenzene-d5	7.445	82	492420	65.636	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	267172	80.479	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	745279	51.871	ng	0.00
79) Terphenyl-d14	12.998	244	1139227	53.148	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.705	88	170432	45.786	ng	99
3) Pyridine	3.463	79	462364	46.016	ng	95
4) n-Nitrosodimethylamine	3.410	42	255853	50.782	ng	92
6) Aniline	6.546	93	368587	28.262	ng	100
8) 2-Chlorophenol	6.669	128	387841	48.714	ng	99
9) Benzaldehyde	6.434	77	252391	32.074	ng	97
10) Phenol	6.522	94	527651	50.519	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	393866	48.107	ng	99
12) 1,3-Dichlorobenzene	6.828	146	438833	47.473	ng	99
13) 1,4-Dichlorobenzene	6.904	146	442997	48.021	ng	99
14) 1,2-Dichlorobenzene	7.057	146	424914	48.633	ng	100
15) Benzyl Alcohol	7.022	79	355202	54.707	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	873470	44.991	ng	98
17) 2-Methylphenol	7.134	107	309721	50.248	ng	99
18) Hexachloroethane	7.398	117	149269	46.010	ng	97
19) n-Nitroso-di-n-propyla...	7.293	70	281772	48.763	ng	97
20) 3+4-Methylphenols	7.287	107	378153	50.378	ng	# 76
22) Acetophenone	7.293	105	557233	55.246	ng	100
24) Nitrobenzene	7.463	77	434021	52.193	ng	98
25) Isophorone	7.704	82	762138	52.131	ng	100
26) 2-Nitrophenol	7.781	139	194055	56.341	ng	97
27) 2,4-Dimethylphenol	7.816	122	369228	56.505	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	462198	48.661	ng	99
29) 2,4-Dichlorophenol	8.022	162	320002	49.770	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	340385	51.013	ng	99
31) Naphthalene	8.192	128	1051563	47.833	ng	100
32) Benzoic acid	7.916	122	230335	73.059	ng	95
33) 4-Chloroaniline	8.234	127	145520	18.836	ng	99
34) Hexachlorobutadiene	8.310	225	237191	47.684	ng	99
35) Caprolactam	8.598	113	102749	62.522	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	313113	51.924	ng	98
37) 2-Methylnaphthalene	8.881	142	621572	44.341	ng	100
38) 1-Methylnaphthalene	8.981	142	632349	47.129	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	356539	52.694	ng	100
41) Hexachlorocyclopentadiene	9.034	237	367206	85.631	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	226360	53.427	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143818.D
 Acq On : 25 Sep 2025 22:20
 Operator : RC/JU
 Sample : Q3178-03MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-TS14-01MSD

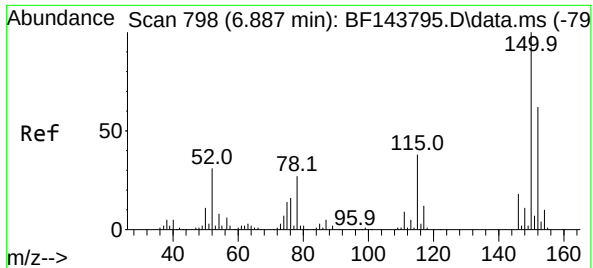
Quant Time: Sep 25 23:26:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	224962	50.763	ng	99
46) 1,1'-Biphenyl	9.345	154	873337	53.810	ng	99
47) 2-Chloronaphthalene	9.369	162	627741	48.050	ng	99
48) 2-Nitroaniline	9.463	65	244411	61.899	ng	99
49) Acenaphthylene	9.787	152	1003047	55.772	ng	100
50) Dimethylphthalate	9.645	163	727859	53.262	ng	100
51) 2,6-Dinitrotoluene	9.704	165	152551	67.944	ng	97
52) Acenaphthene	9.957	154	574079	48.506	ng	100
53) 3-Nitroaniline	9.869	138	107230	39.401	ng	99
54) 2,4-Dinitrophenol	9.975	184	58390	67.109	ng	# 76
55) Dibenzofuran	10.134	168	814738	48.682	ng	99
56) 4-Nitrophenol	10.028	139	252644	115.199	ng	91
57) 2,4-Dinitrotoluene	10.110	165	198890	58.969	ng	95
58) Fluorene	10.475	166	609725	49.006	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	224793	59.212	ng	97
60) Diethylphthalate	10.345	149	663203	51.844	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	309245	48.780	ng	96
62) 4-Nitroaniline	10.486	138	135264	52.859	ng	98
63) Azobenzene	10.628	77	686022	50.885	ng	97
65) 4,6-Dinitro-2-methylph...	10.510	198	49470	40.135	ng	95
66) n-Nitrosodiphenylamine	10.581	169	580810	49.648	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	297735	49.115	ng	97
68) Hexachlorobenzene	11.022	284	408424	48.889	ng	99
69) Atrazine	11.110	200	182138	53.765	ng	99
70) Pentachlorophenol	11.216	266	477417	114.806	ng	100
71) Phenanthrene	11.439	178	901235	49.349	ng	100
72) Anthracene	11.492	178	918987	50.167	ng	99
73) Carbazole	11.645	167	832102	51.953	ng	100
74) Di-n-butylphthalate	11.975	149	972765	52.810	ng	100
75) Fluoranthene	12.628	202	1038840	56.557	ng	99
77) Benzidine	12.751	184	423409	39.859	ng	100
78) Pyrene	12.857	202	1076385	50.222	ng	99
80) Butylbenzylphthalate	13.475	149	431860	58.241	ng	98
81) Benzo(a)anthracene	14.051	228	1197901	51.150	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	415267	40.930	ng	99
83) Chrysene	14.086	228	1056176	49.840	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	541890	49.858	ng	100
85) Di-n-octyl phthalate	14.651	149	957368	48.560	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	1231964	37.358	ng	99
88) Benzo(b)fluoranthene	15.104	252	1498147	67.687	ng	99
89) Benzo(k)fluoranthene	15.133	252	1149445	51.691	ng	100
90) Benzo(a)pyrene	15.474	252	1167187	56.101	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	1002210	37.157	ng	99
92) Benzo(g,h,i)perylene	17.486	276	972031	37.385	ng	99

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

Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

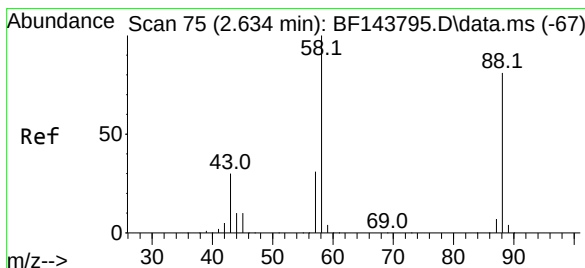
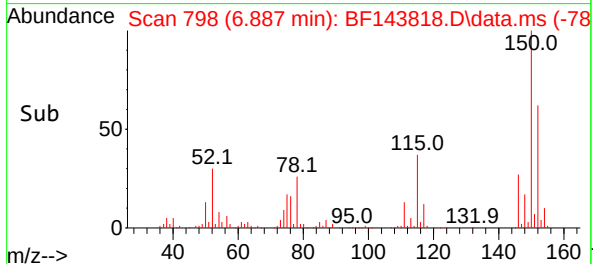
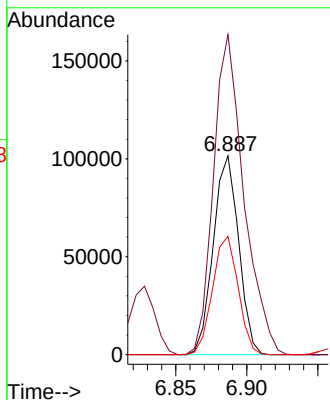
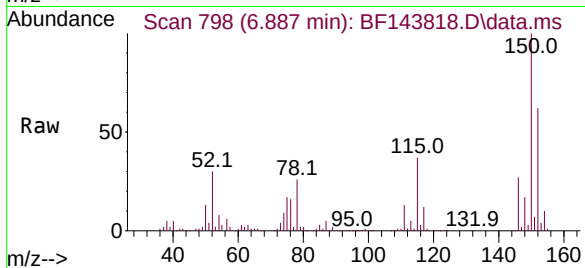
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

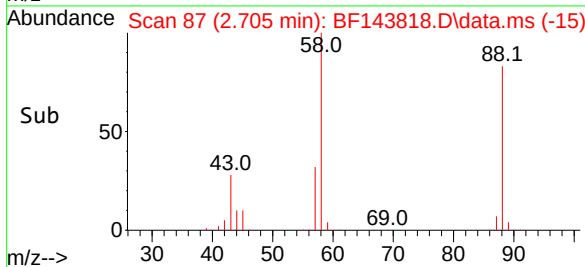
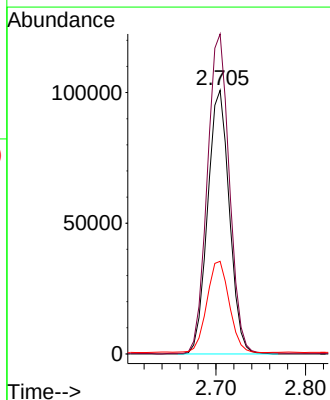
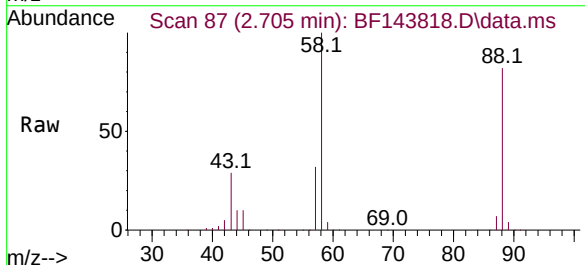
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BNA_F
ClientSampleId :
EME-TS14-01MSD

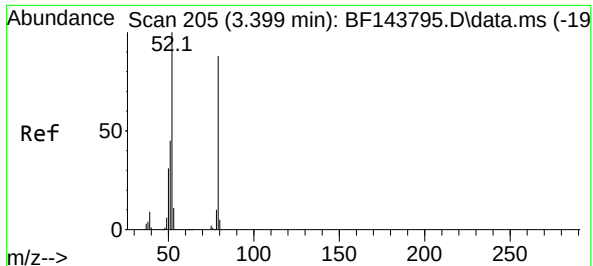
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Ion Ratio Lower Upper
152 100
150 160.9 129.6 194.4
115 59.5 49.0 73.4



#2
1,4-Dioxane
Concen: 45.786 ng
RT: 2.705 min Scan# 87
Delta R.T. 0.071 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion: 88 Resp: 170432
Ion Ratio Lower Upper
88 100
58 123.6 99.4 149.2
43 35.6 30.6 45.8

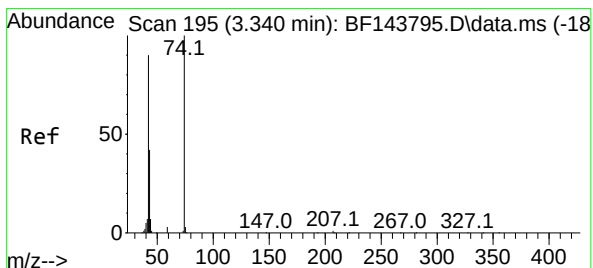
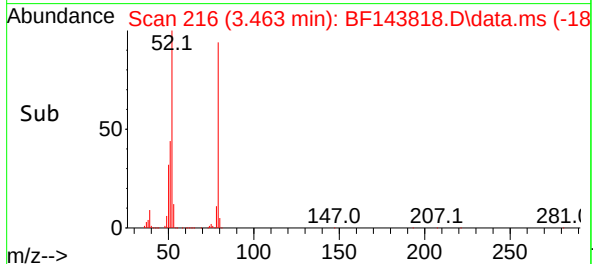
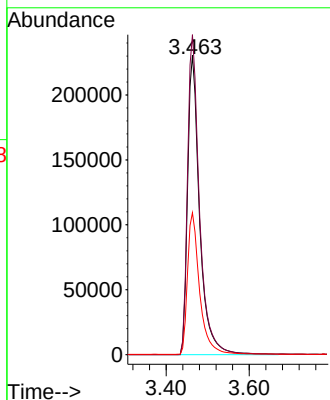
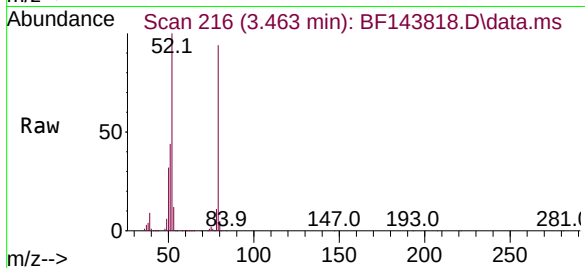




#3
Pyridine
Concen: 46.016 ng
RT: 3.463 min Scan# 216
Delta R.T. 0.065 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

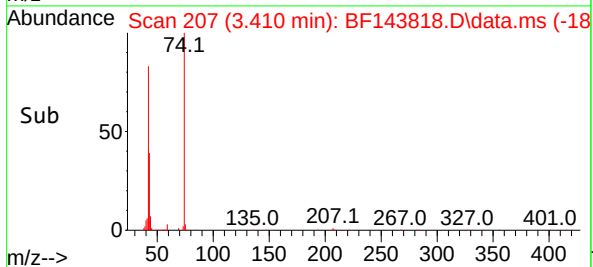
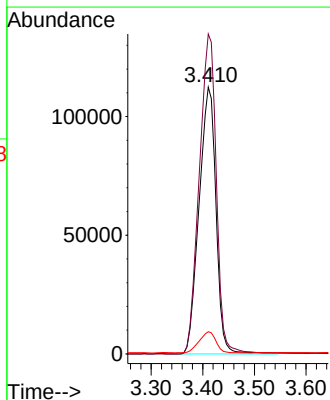
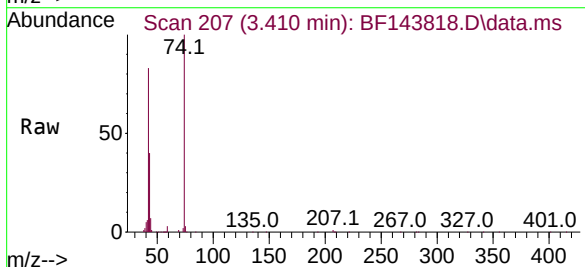
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

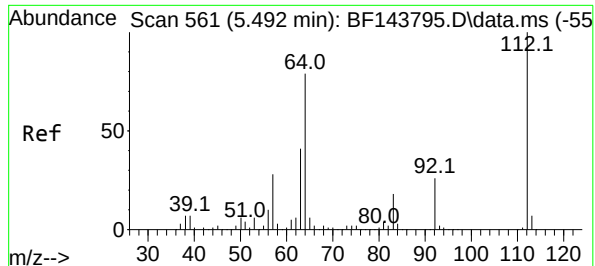
Tgt Ion: 79 Resp: 462364
Ion Ratio Lower Upper
79 100
52 106.9 90.5 135.7
51 47.4 40.6 61.0



#4
n-Nitrosodimethylamine
Concen: 50.782 ng
RT: 3.410 min Scan# 207
Delta R.T. 0.053 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion: 42 Resp: 255853
Ion Ratio Lower Upper
42 100
74 120.0 89.1 133.7
44 8.3 6.4 9.6

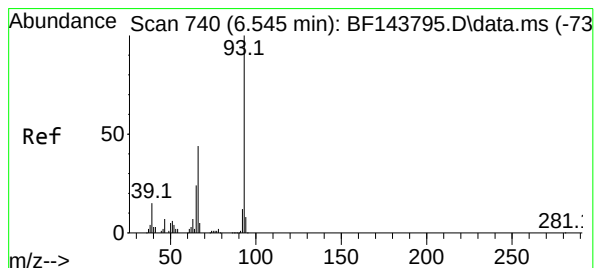
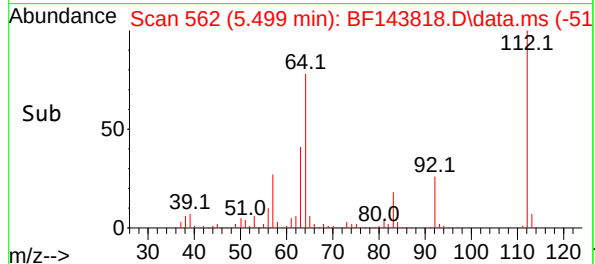
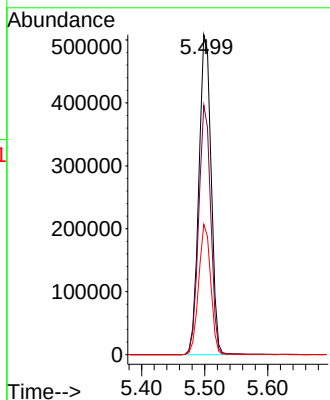
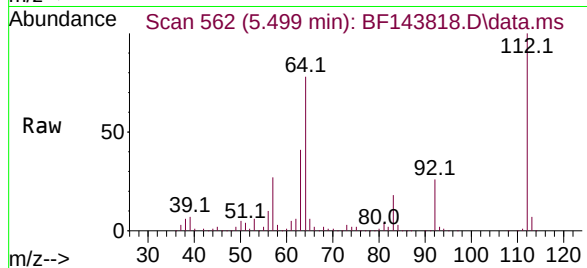




#5
2-Fluorophenol
Concen: 88.144 ng
RT: 5.499 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

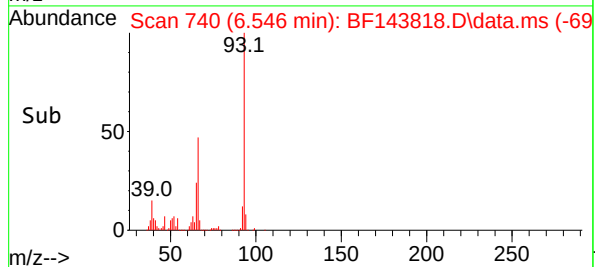
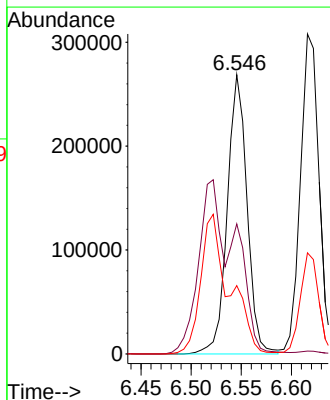
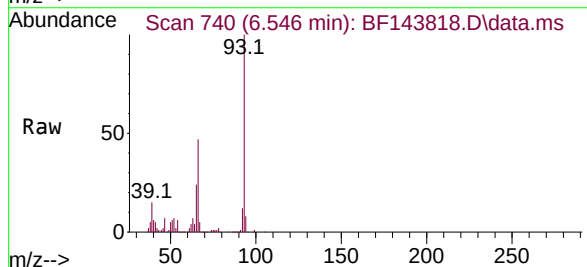
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

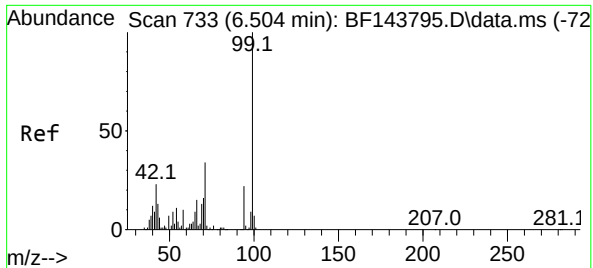
Tgt Ion:112 Resp: 685500
Ion Ratio Lower Upper
112 100
64 77.9 63.0 94.4
63 40.7 32.6 49.0



#6
Aniline
Concen: 28.262 ng
RT: 6.546 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion: 93 Resp: 368587
Ion Ratio Lower Upper
93 100
66 46.6 37.1 55.7
65 24.4 19.4 29.0

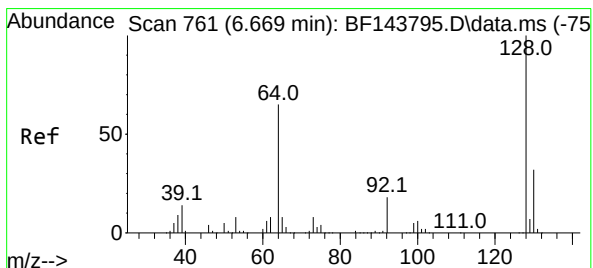
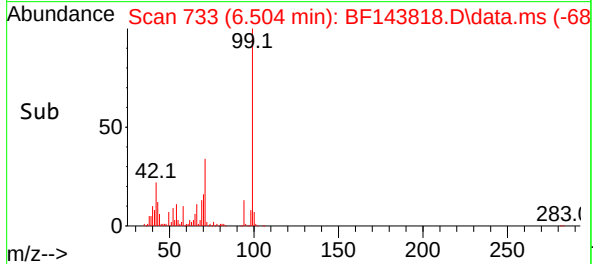
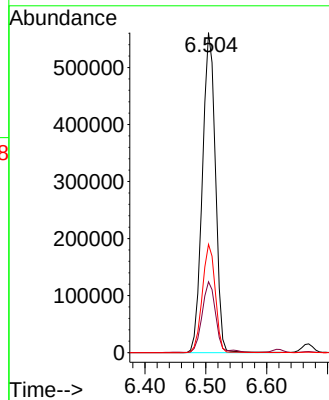
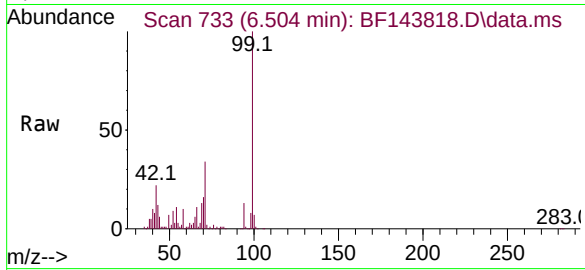




#7
Phenol-d6
Concen: 92.741 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

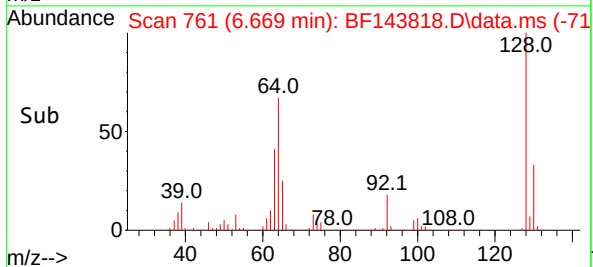
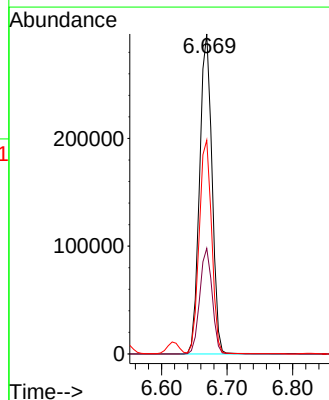
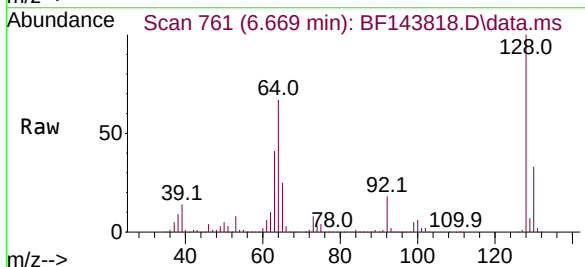
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

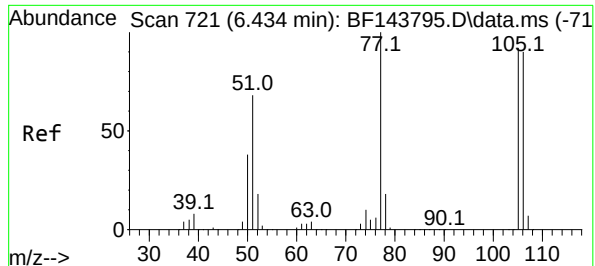
Tgt Ion: 99 Resp: 833354
Ion Ratio Lower Upper
99 100
42 22.2 18.6 28.0
71 33.8 27.0 40.4



#8
2-Chlorophenol
Concen: 48.714 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion: 128 Resp: 387841
Ion Ratio Lower Upper
128 100
130 33.0 12.2 52.2
64 66.8 46.5 86.5





#9

Benzaldehyde

Concen: 32.074 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

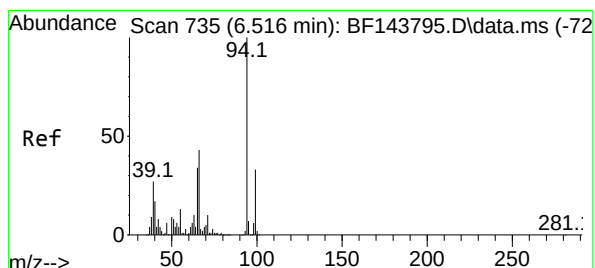
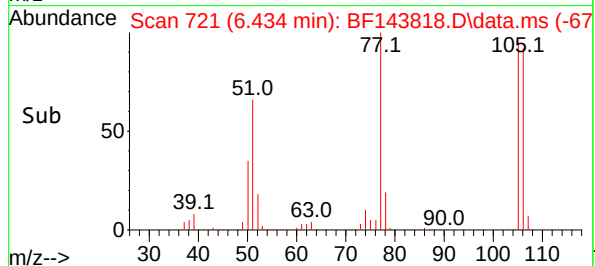
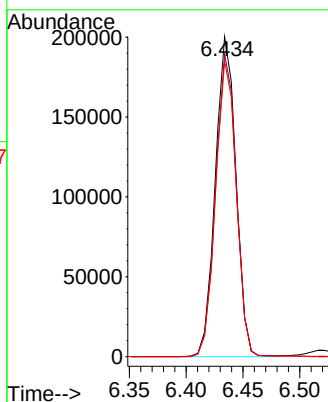
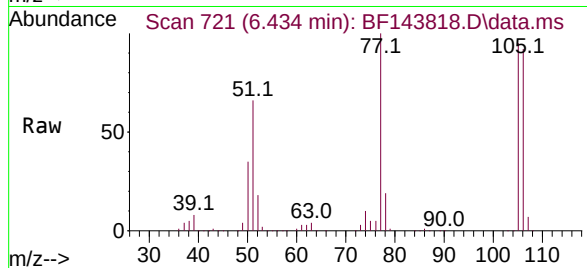
Tgt Ion: 77 Resp: 252391

Ion Ratio Lower Upper

77 100

105 94.5 71.8 111.8

106 92.3 69.8 109.8



#10

Phenol

Concen: 50.519 ng

RT: 6.522 min Scan# 736

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

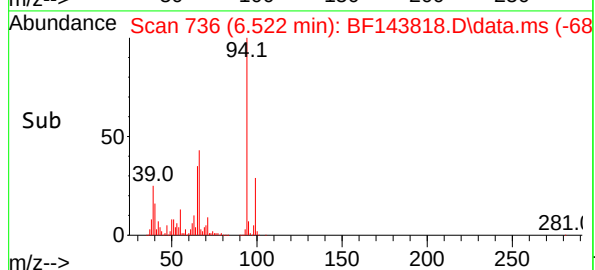
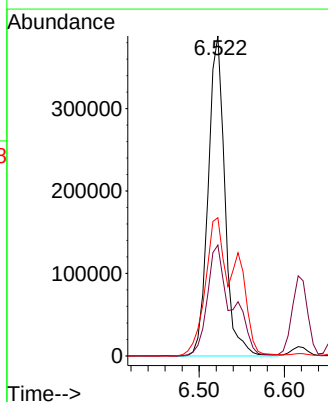
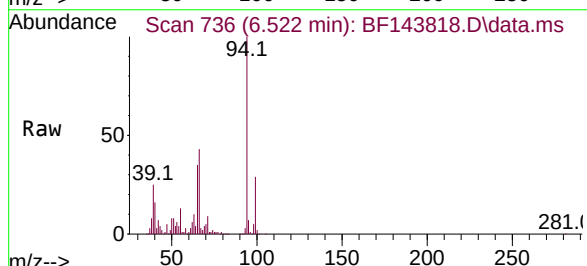
Tgt Ion: 94 Resp: 527651

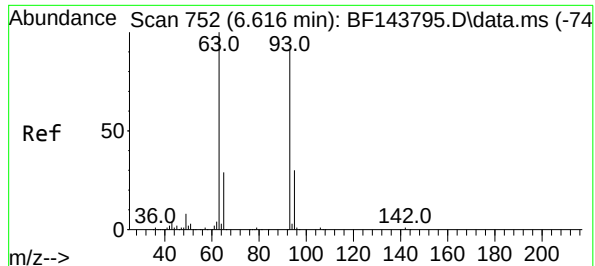
Ion Ratio Lower Upper

94 100

65 34.6 14.2 54.2

66 43.2 24.1 64.1

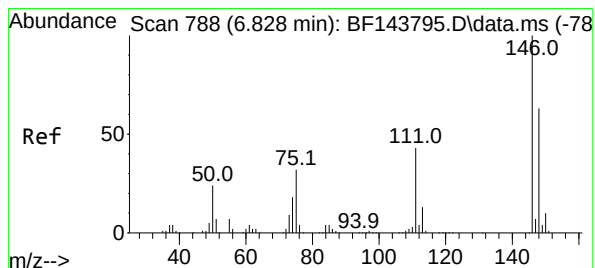
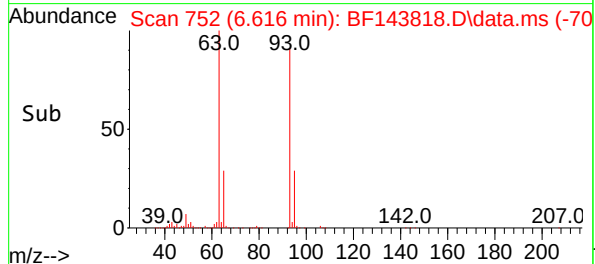
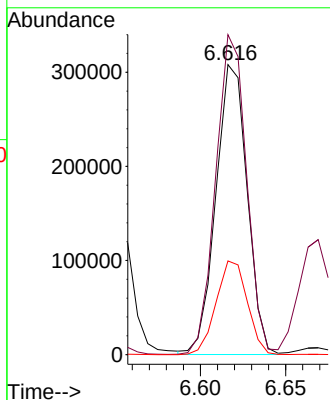
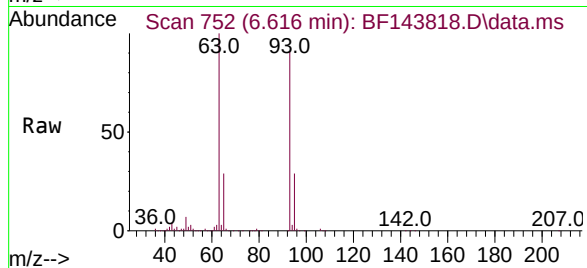




#11
bis(2-Chloroethyl)ether
Concen: 48.107 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

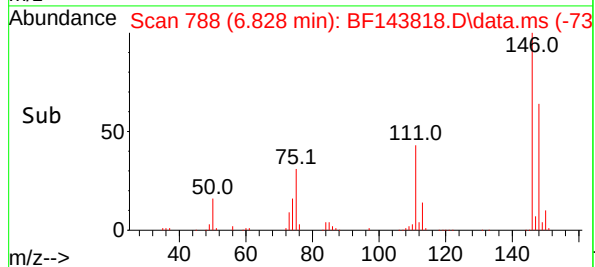
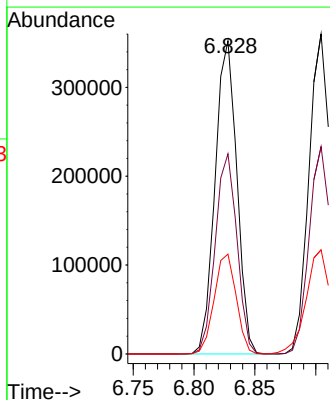
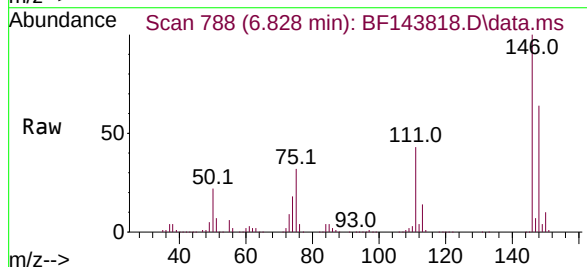
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

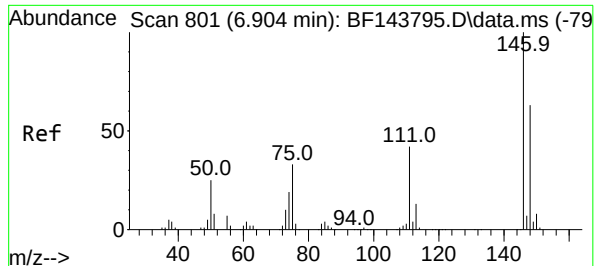
Tgt Ion: 93 Resp: 393866
Ion Ratio Lower Upper
93 100
63 110.4 89.2 129.2
95 32.3 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 47.473 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion: 146 Resp: 438833
Ion Ratio Lower Upper
146 100
148 63.9 50.4 75.6
75 31.8 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 48.021 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

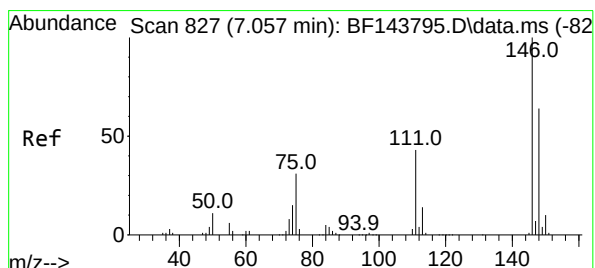
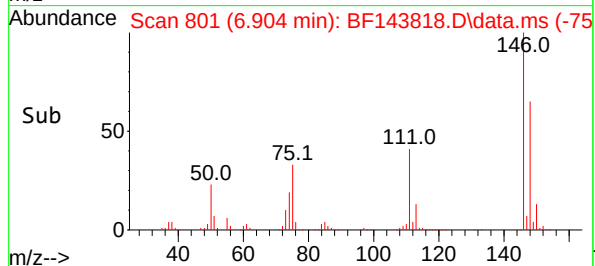
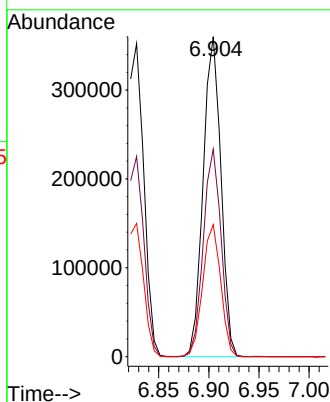
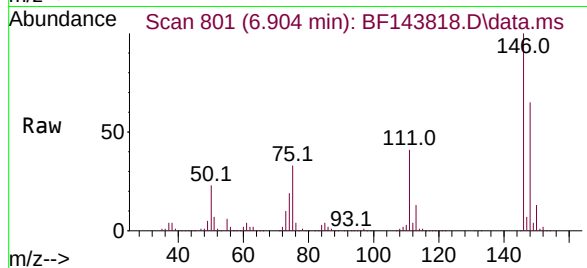
Tgt Ion:146 Resp: 442997

Ion Ratio Lower Upper

146 100

148 64.8 50.7 76.1

111 41.2 33.4 50.2



#14

1,2-Dichlorobenzene

Concen: 48.633 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

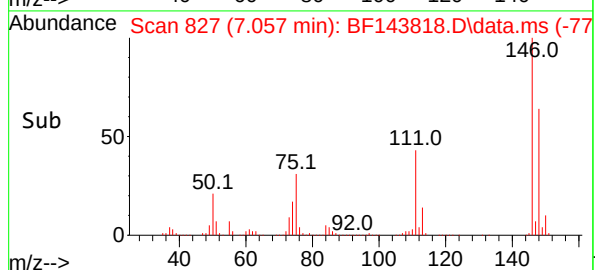
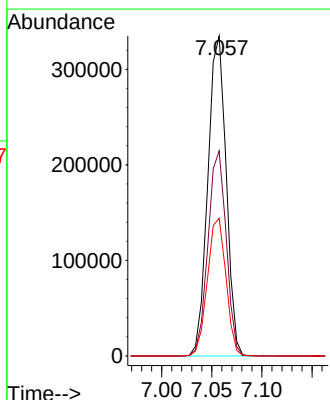
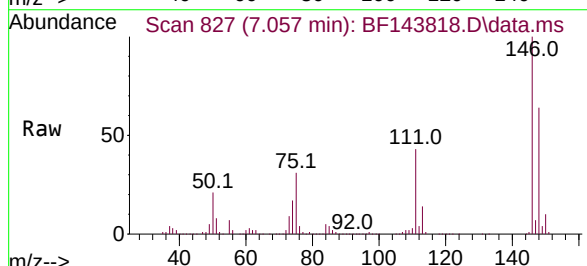
Tgt Ion:146 Resp: 424914

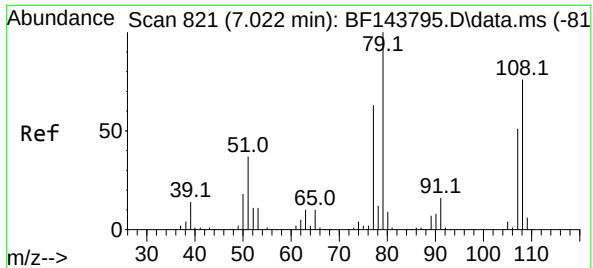
Ion Ratio Lower Upper

146 100

148 64.0 51.1 76.7

111 43.0 34.3 51.5

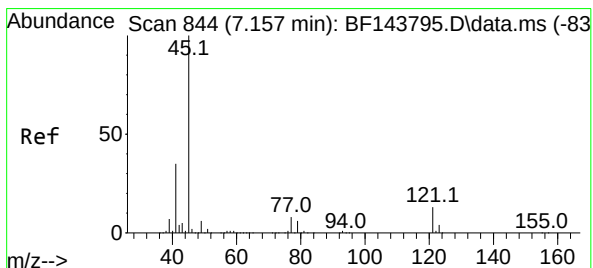
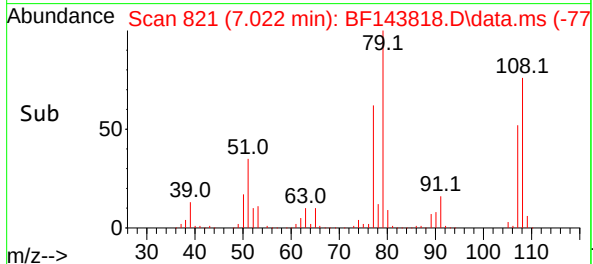
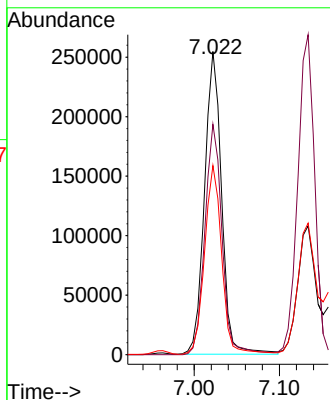
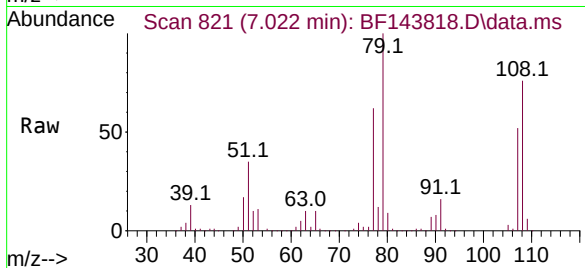




#15
Benzyl Alcohol
Concen: 54.707 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

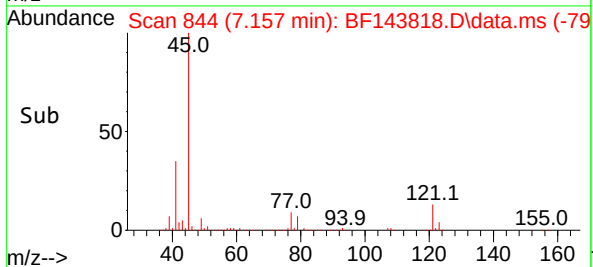
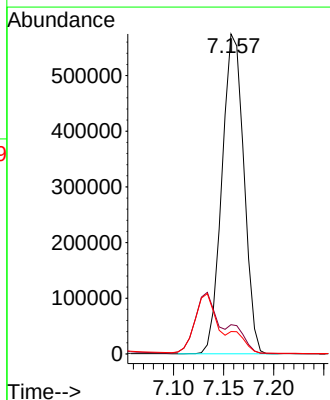
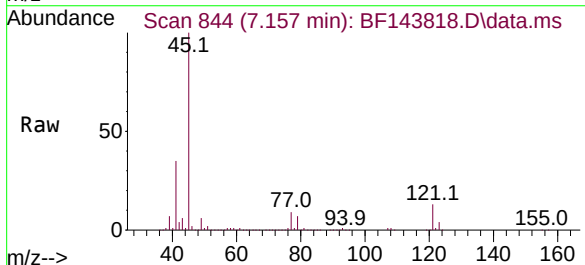
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

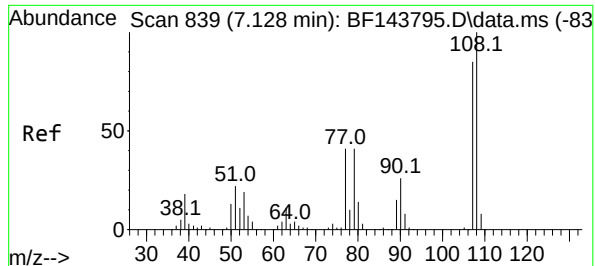
Tgt Ion: 79 Resp: 355202
Ion Ratio Lower Upper
79 100
108 76.0 60.5 90.7
77 62.3 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.991 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion: 45 Resp: 873470
Ion Ratio Lower Upper
45 100
77 9.1 0.0 28.5
79 7.0 0.0 26.3





#17

2-Methylphenol

Concen: 50.248 ng

RT: 7.134 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

Tgt Ion:107 Resp: 309721

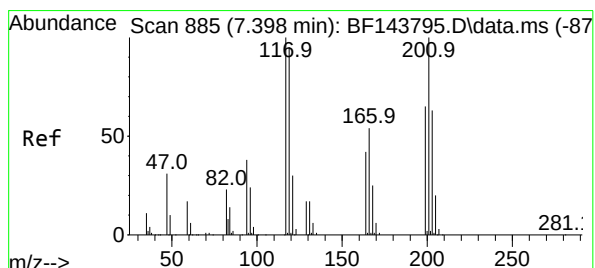
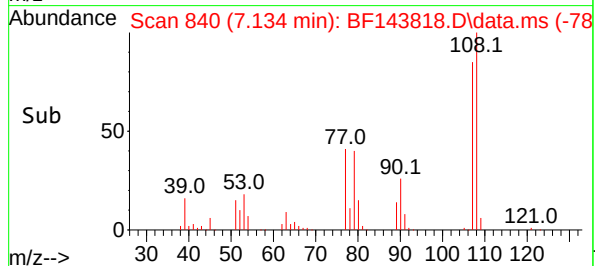
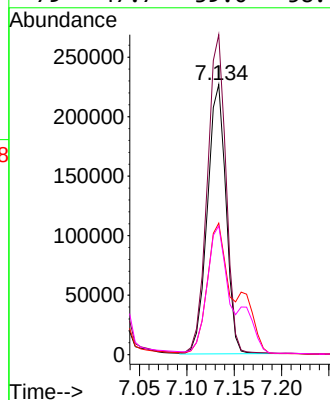
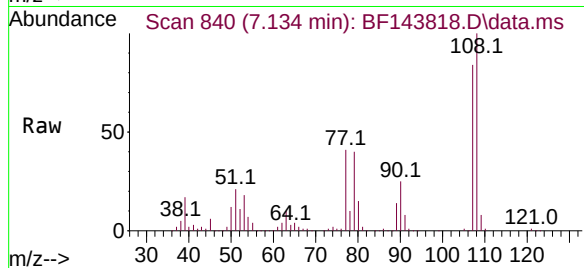
Ion Ratio Lower Upper

107 100

108 118.5 94.2 141.4

77 48.7 38.6 58.0

79 47.7 39.0 58.4



#18

Hexachloroethane

Concen: 46.010 ng

RT: 7.398 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

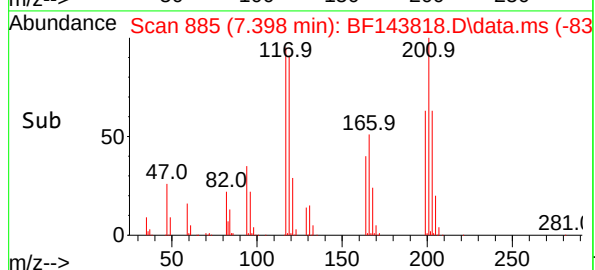
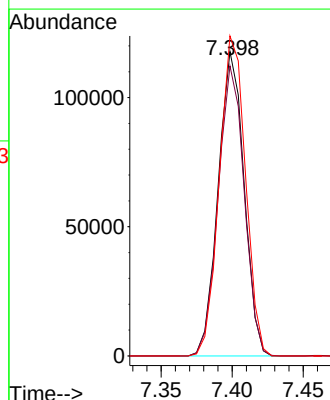
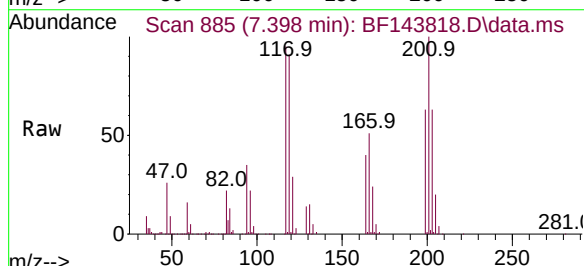
Tgt Ion:117 Resp: 149269

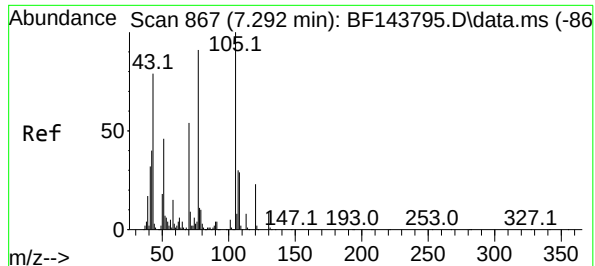
Ion Ratio Lower Upper

117 100

119 95.3 76.2 114.2

201 105.1 79.7 119.5





#19

n-Nitroso-di-n-propylamine

Concen: 48.763 ng

RT: 7.293 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

Tgt Ion: 70 Resp: 281772

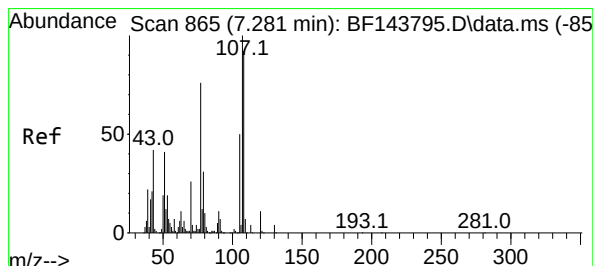
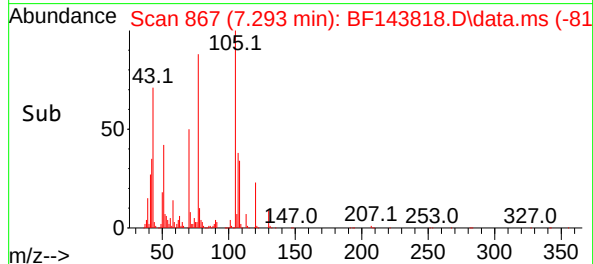
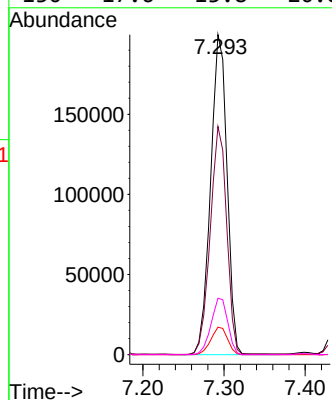
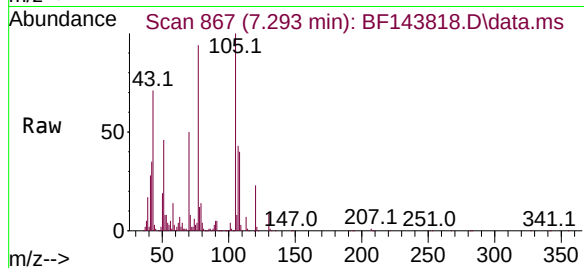
Ion Ratio Lower Upper

70 100

42 71.3 59.4 89.0

101 8.6 7.1 10.7

130 17.6 13.8 20.8



#20

3+4-Methylphenols

Concen: 50.378 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Tgt Ion: 107 Resp: 378153

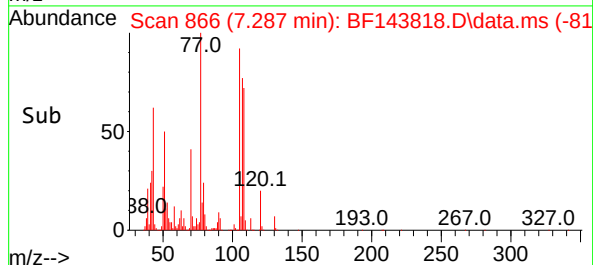
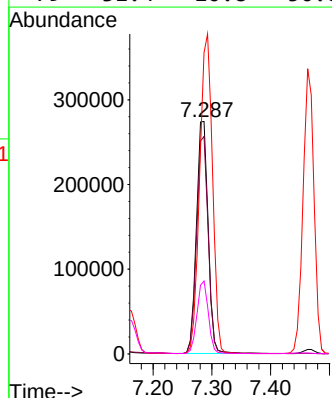
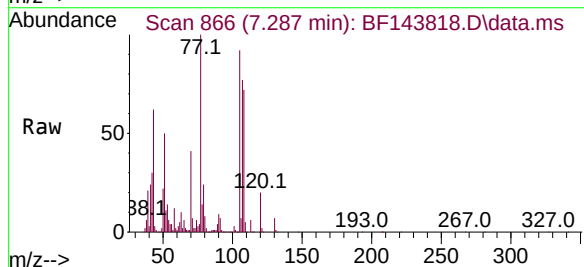
Ion Ratio Lower Upper

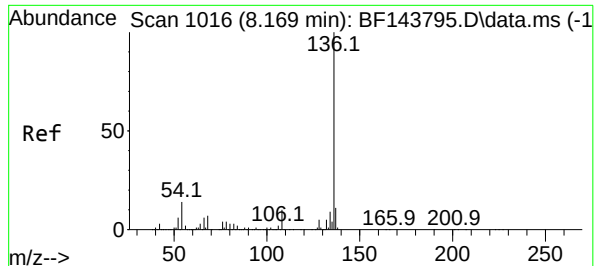
107 100

108 93.6 72.5 112.5

77 129.6 56.2 96.2#

79 31.4 10.8 50.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF143818.D

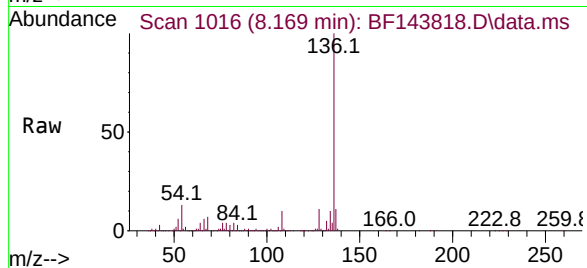
Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD



Tgt Ion:136 Resp: 459229

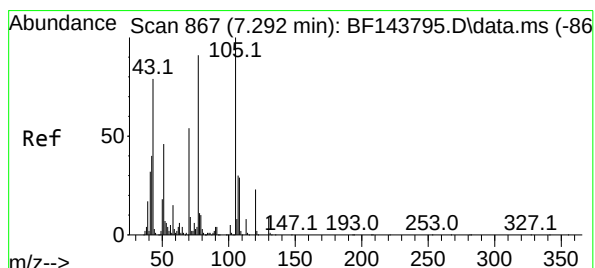
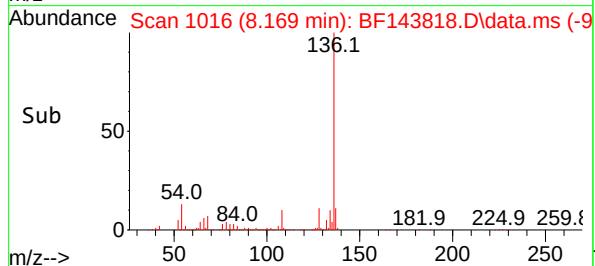
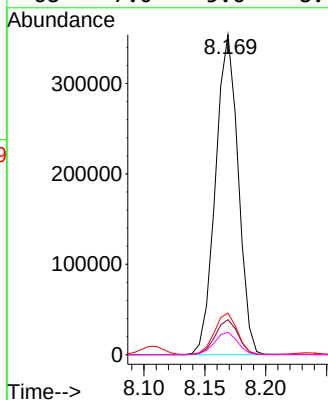
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 13.0 11.2 16.8

68 7.0 5.6 8.4



#22

Acetophenone

Concen: 55.246 ng

RT: 7.293 min Scan# 867

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Tgt Ion:105 Resp: 557233

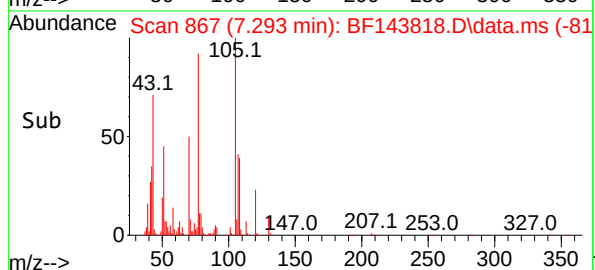
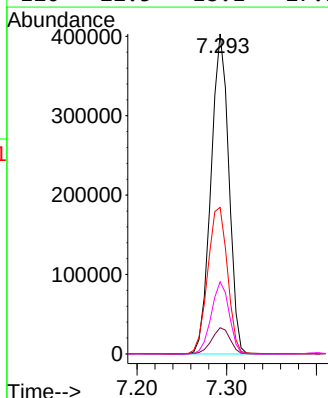
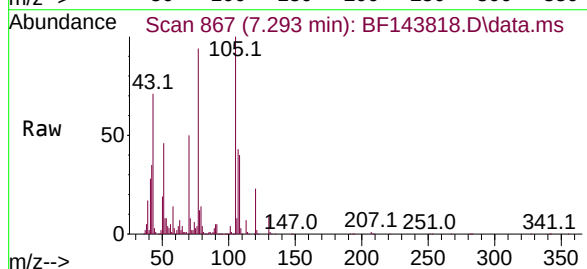
Ion Ratio Lower Upper

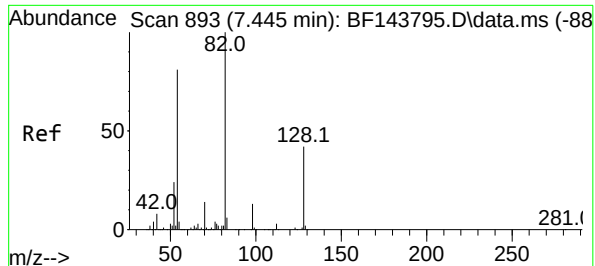
105 100

71 8.2 7.0 10.4

51 45.8 36.6 55.0

120 22.5 18.1 27.1





#23

Nitrobenzene-d5

Concen: 65.636 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

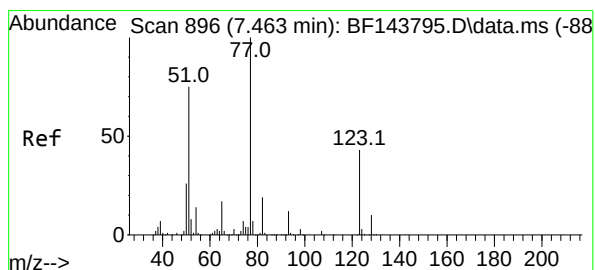
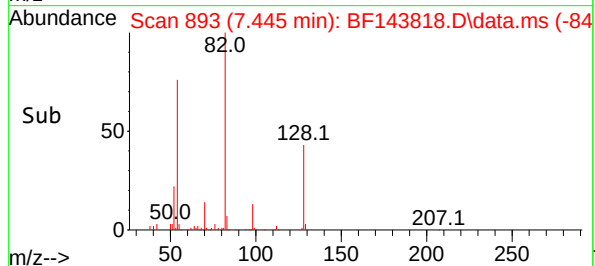
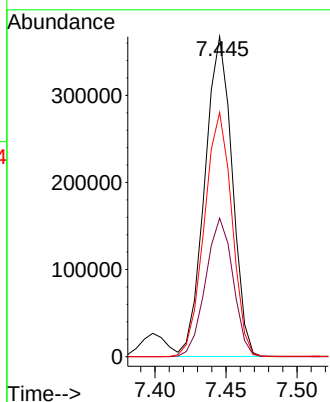
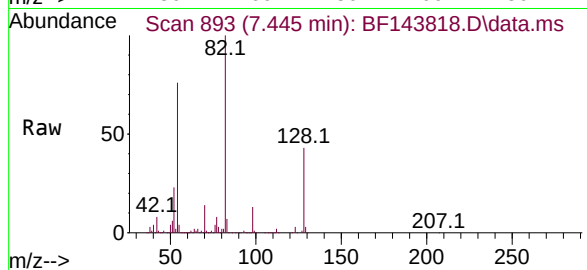
Tgt Ion: 82 Resp: 492420

Ion Ratio Lower Upper

82 100

128 43.3 33.3 49.9

54 76.3 64.2 96.4



#24

Nitrobenzene

Concen: 52.193 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

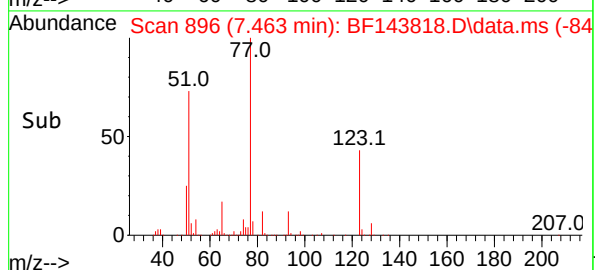
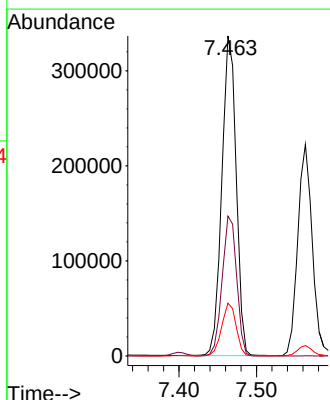
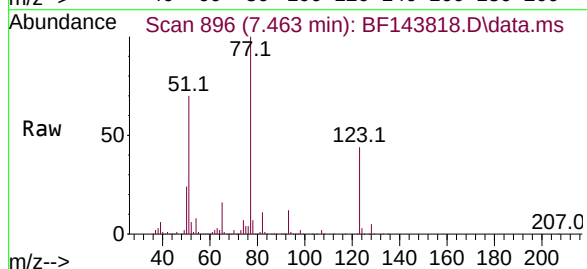
Tgt Ion: 77 Resp: 434021

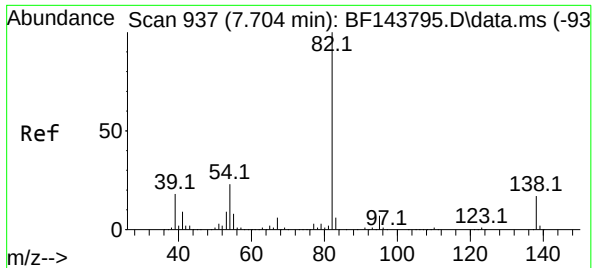
Ion Ratio Lower Upper

77 100

123 43.7 34.0 51.0

65 16.5 13.5 20.3

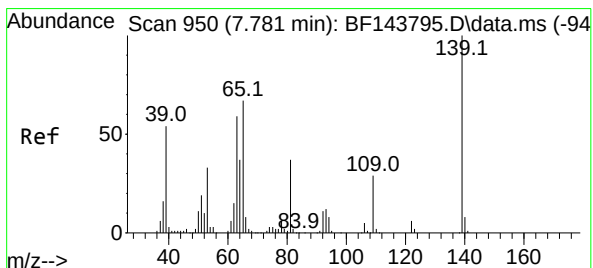
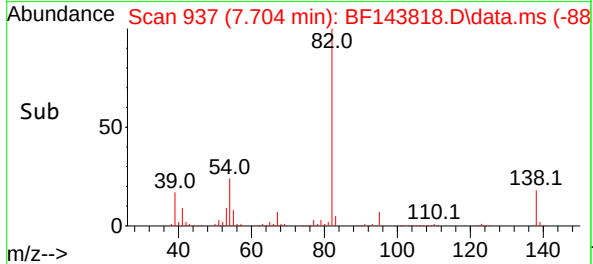
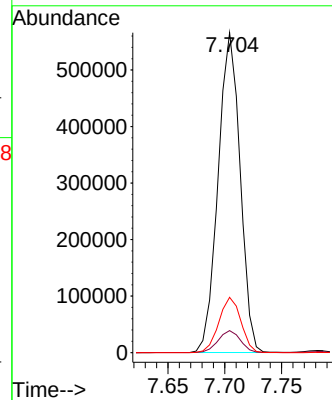
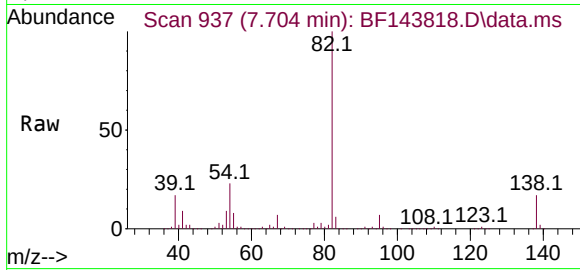




#25
Isophorone
Concen: 52.131 ng
RT: 7.704 min Scan# 937
Delta R.T. -0.006 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

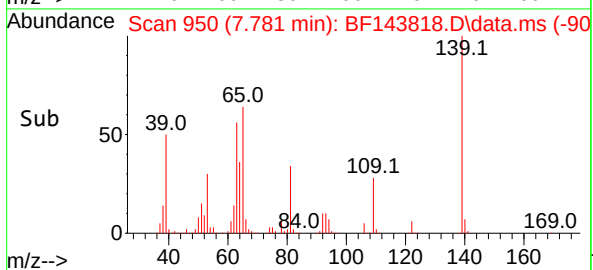
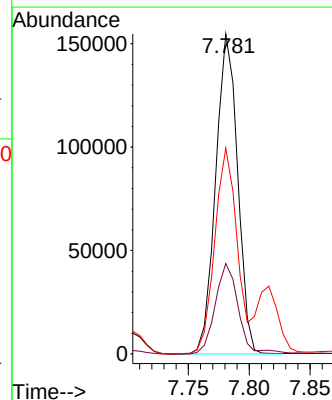
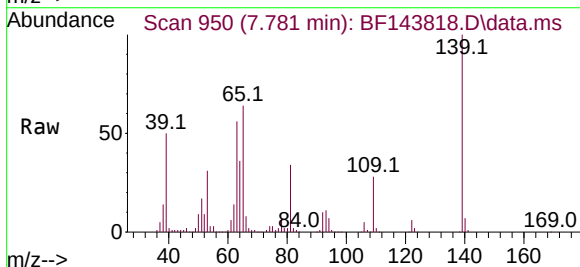
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

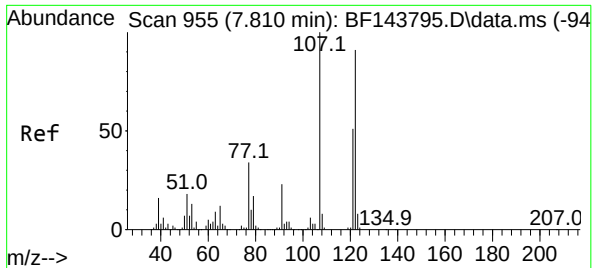
Tgt Ion: 82 Resp: 762138
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.2
138 17.3 13.7 20.5



#26
2-Nitrophenol
Concen: 56.341 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.005 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion: 139 Resp: 194055
Ion Ratio Lower Upper
139 100
109 28.2 23.3 34.9
65 64.3 53.8 80.6





#27

2,4-Dimethylphenol

Concen: 56.505 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

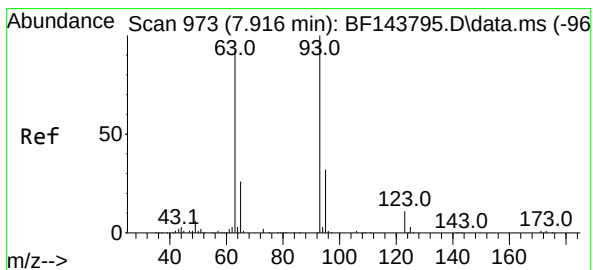
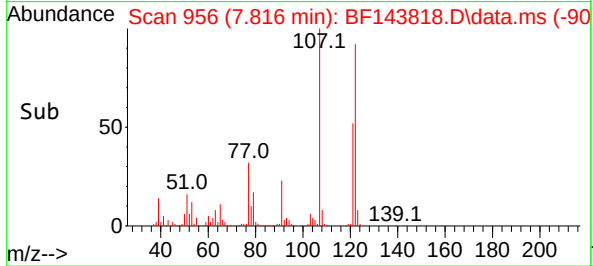
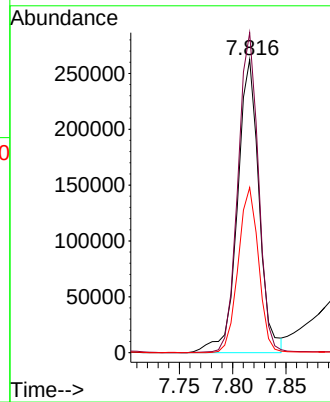
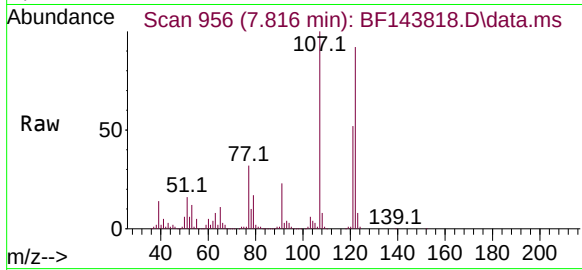
Tgt Ion:122 Resp: 369228

Ion Ratio Lower Upper

122 100

107 109.2 87.5 131.3

121 56.3 44.2 66.4



#28

bis(2-Chloroethoxy)methane

Concen: 48.661 ng

RT: 7.916 min Scan# 973

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

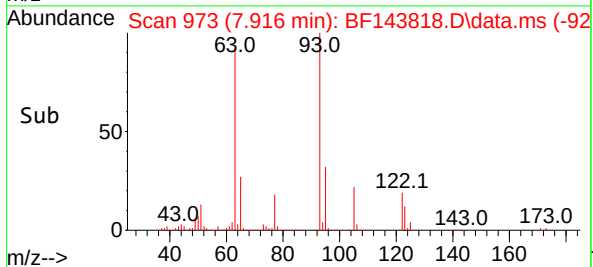
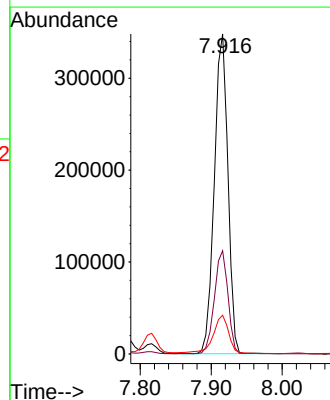
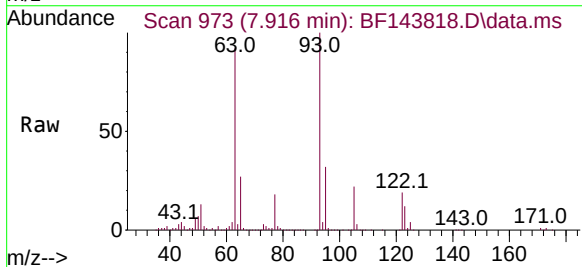
Tgt Ion: 93 Resp: 462198

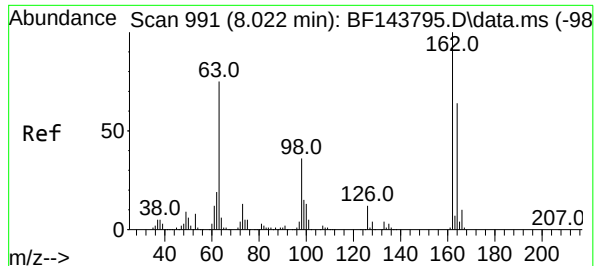
Ion Ratio Lower Upper

93 100

95 32.2 25.8 38.8

123 12.1 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 49.770 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

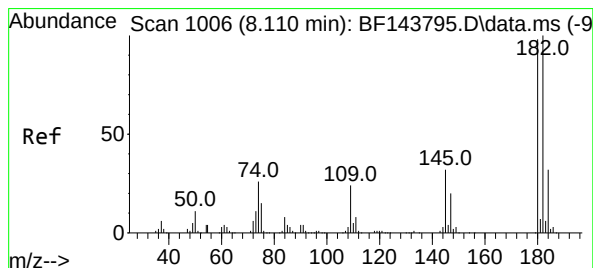
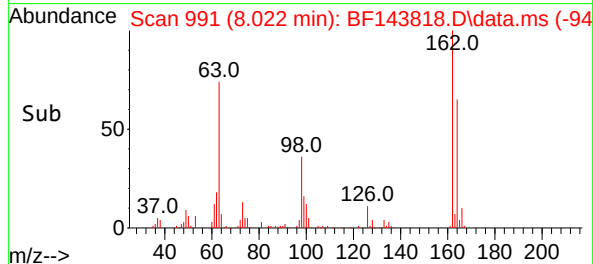
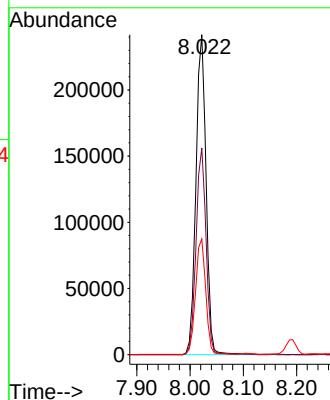
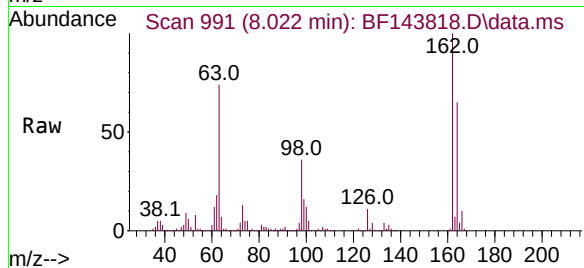
Tgt Ion:162 Resp: 320002

Ion Ratio Lower Upper

162 100

164 64.6 44.1 84.1

98 36.2 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 51.013 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

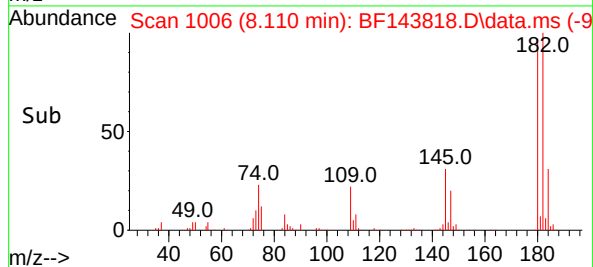
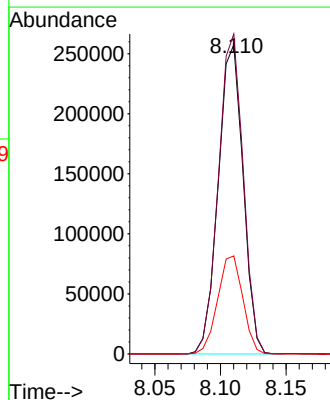
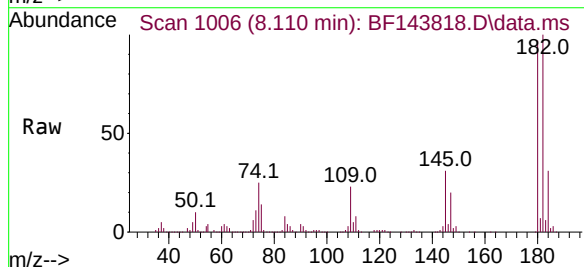
Tgt Ion:180 Resp: 340385

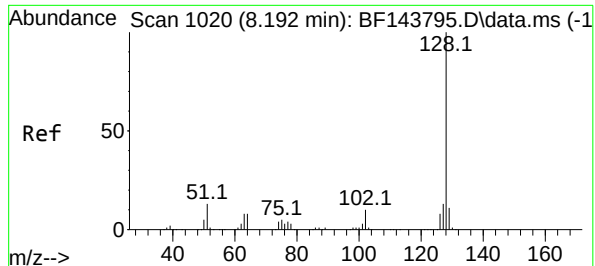
Ion Ratio Lower Upper

180 100

182 103.5 82.0 123.0

145 31.7 25.9 38.9

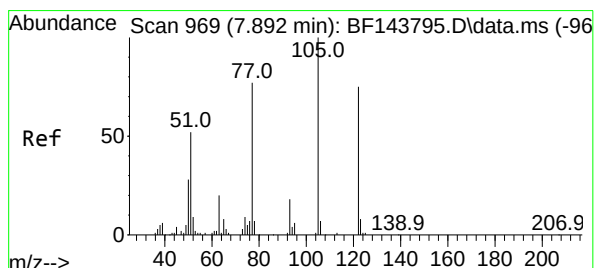
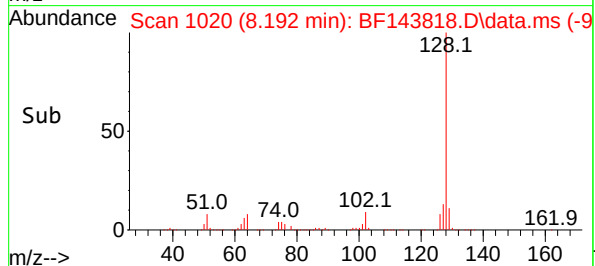
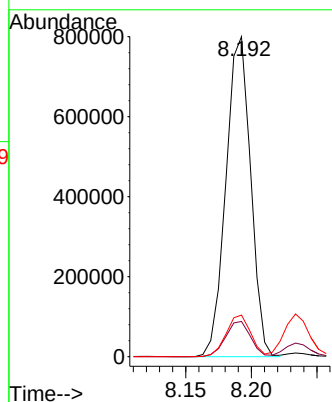
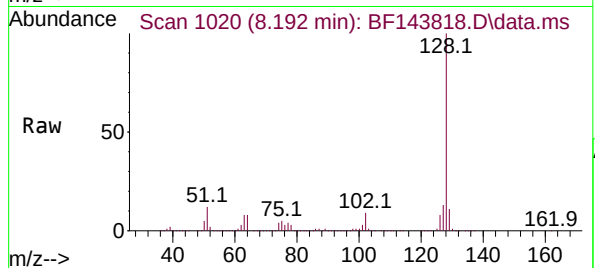




#31
Naphthalene
Concen: 47.833 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

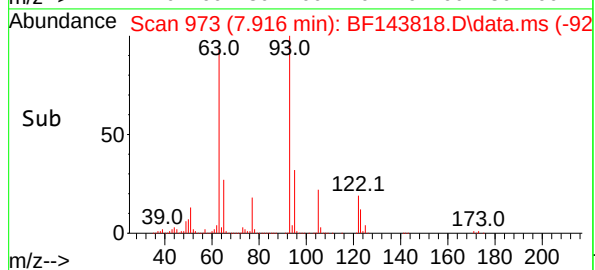
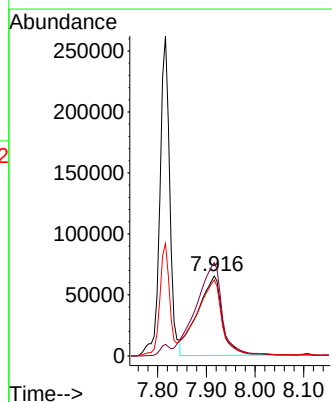
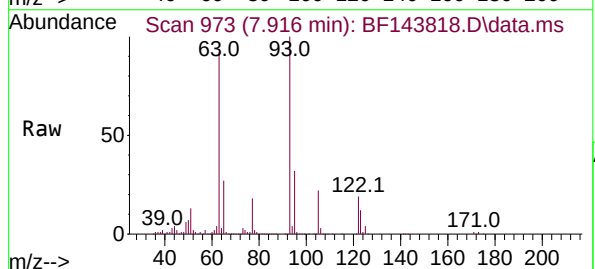
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

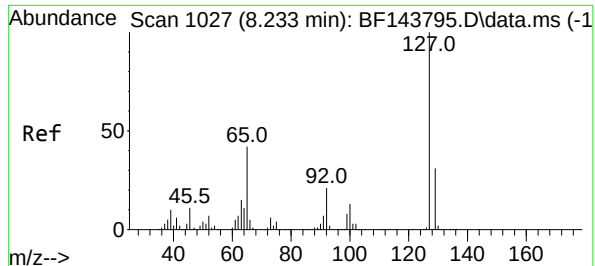
Tgt Ion:128 Resp: 1051563
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.0 10.2 15.4



#32
Benzoic acid
Concen: 73.059 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:122 Resp: 230335
Ion Ratio Lower Upper
122 100
105 117.0 103.7 143.7
77 95.3 78.8 118.8





#33

4-Chloroaniline

Concen: 18.836 ng

RT: 8.234 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

Tgt Ion:127 Resp: 145520

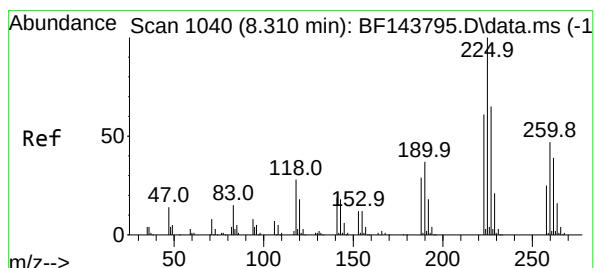
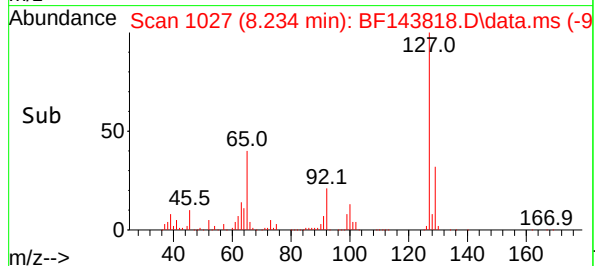
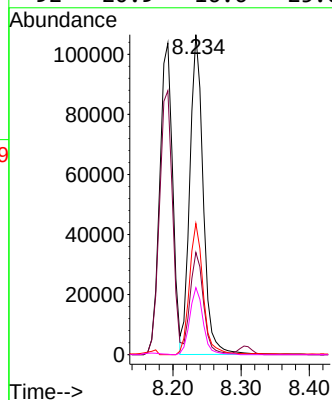
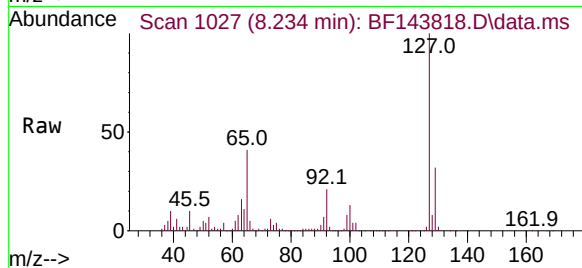
Ion Ratio Lower Upper

127 100

129 31.9 25.4 38.2

65 41.0 33.4 50.2

92 20.9 16.6 25.0



#34

Hexachlorobutadiene

Concen: 47.684 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

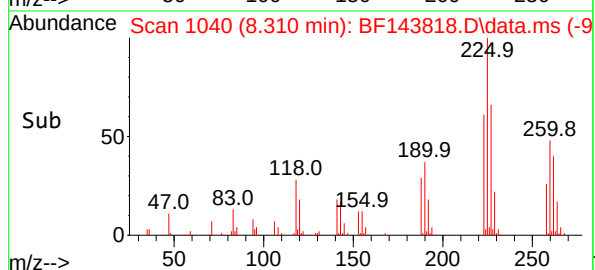
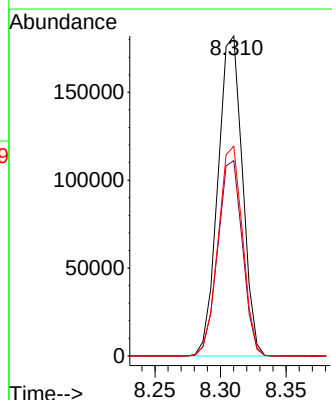
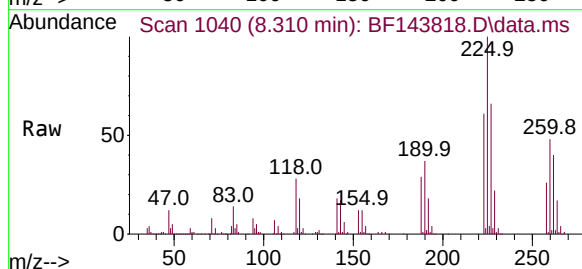
Tgt Ion:225 Resp: 237191

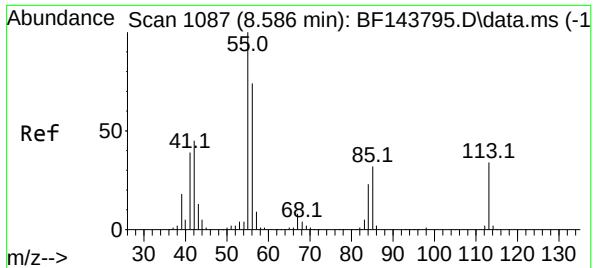
Ion Ratio Lower Upper

225 100

223 61.1 48.6 72.8

227 65.5 51.9 77.9





#35

Caprolactam

Concen: 62.522 ng

RT: 8.598 min Scan# 1089

Delta R.T. -0.012 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

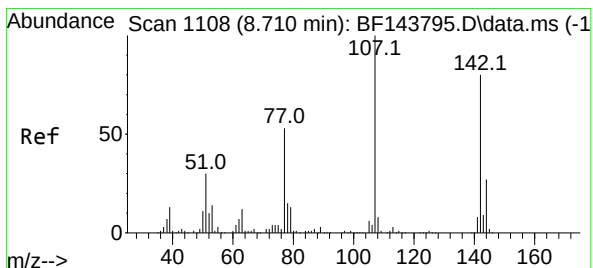
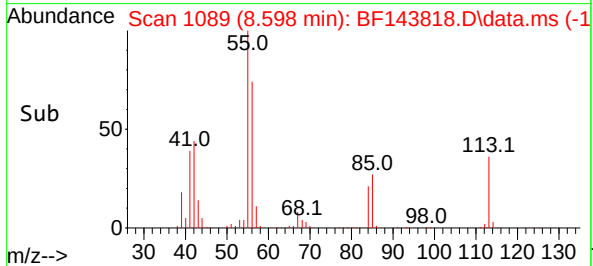
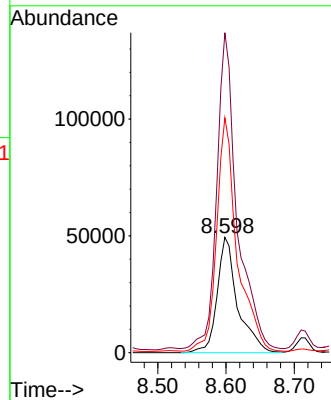
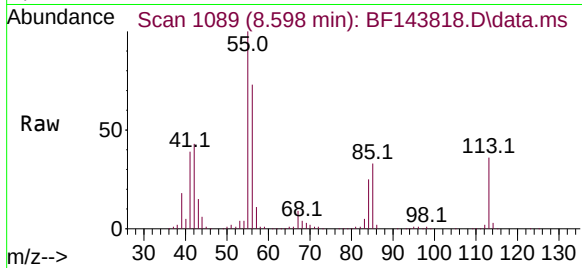
Tgt Ion:113 Resp: 102749

Ion Ratio Lower Upper

113 100

55 277.5 271.7 311.7

56 203.5 194.5 234.5



#36

4-Chloro-3-methylphenol

Concen: 51.924 ng

RT: 8.710 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

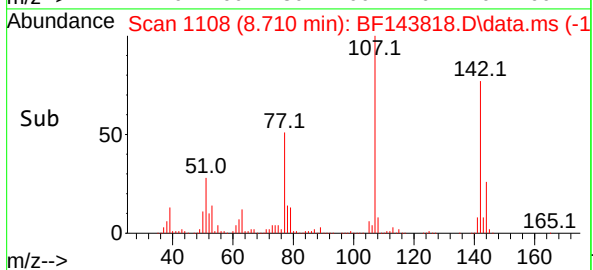
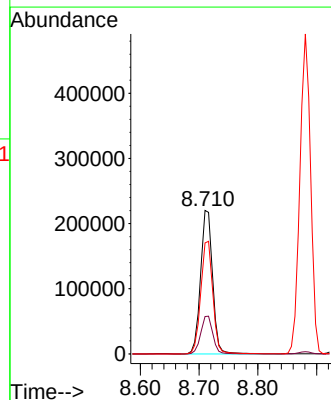
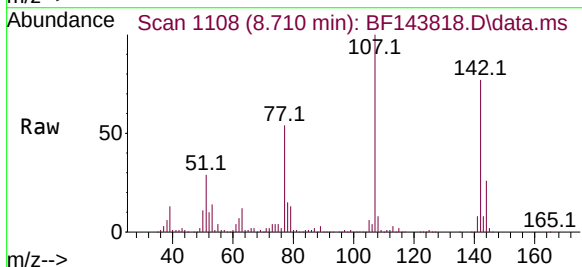
Tgt Ion:107 Resp: 313113

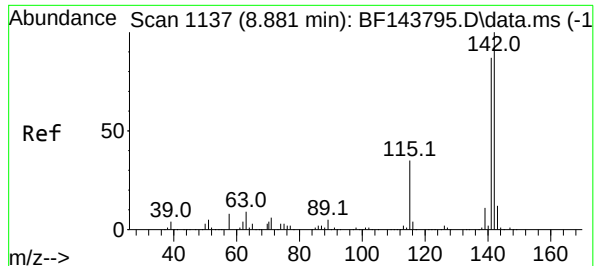
Ion Ratio Lower Upper

107 100

144 26.0 21.8 32.8

142 77.4 63.6 95.4





#37

2-Methylnaphthalene

Concen: 44.341 ng

RT: 8.881 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

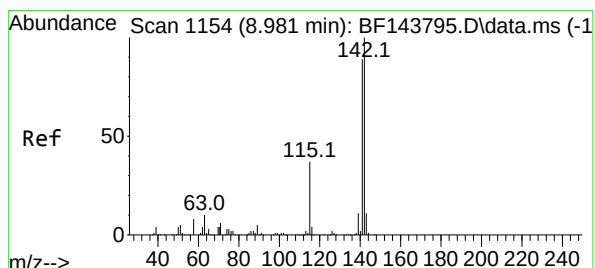
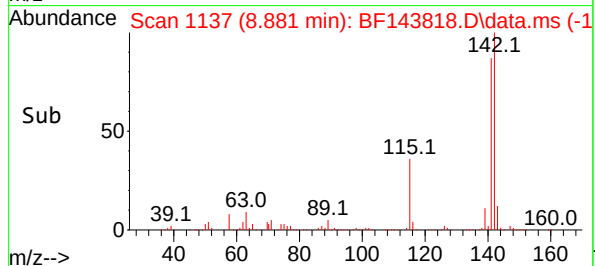
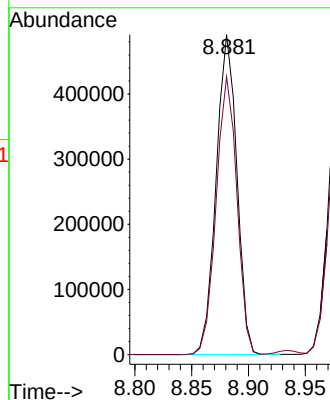
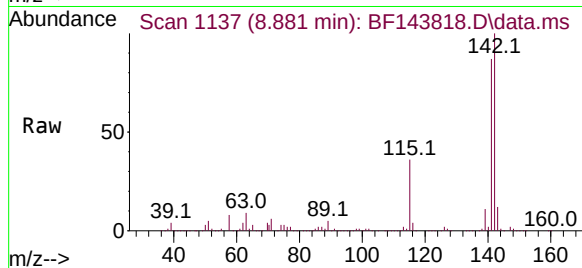
EME-TS14-01MSD

Tgt Ion:142 Resp: 621572

Ion Ratio Lower Upper

142 100

141 86.8 69.4 104.0



#38

1-Methylnaphthalene

Concen: 47.129 ng

RT: 8.981 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF143818.D

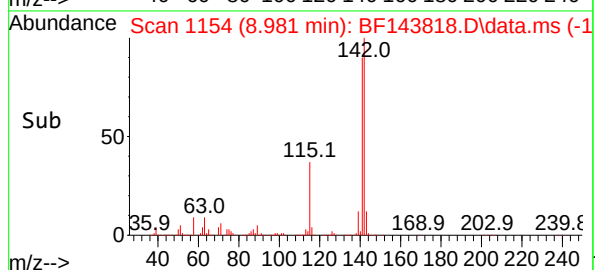
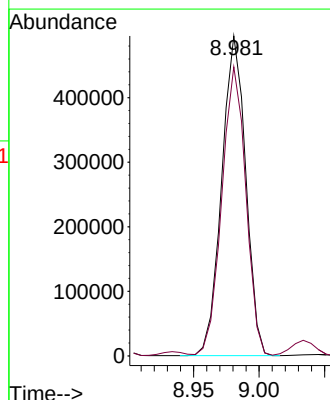
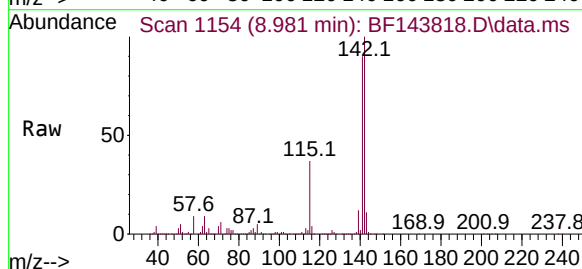
Acq: 25 Sep 2025 22:20

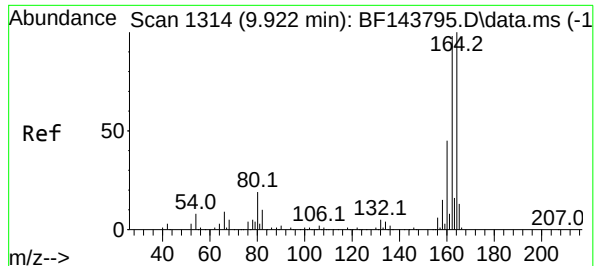
Tgt Ion:142 Resp: 632349

Ion Ratio Lower Upper

142 100

141 90.3 71.1 106.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1314

Delta R.T. -0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

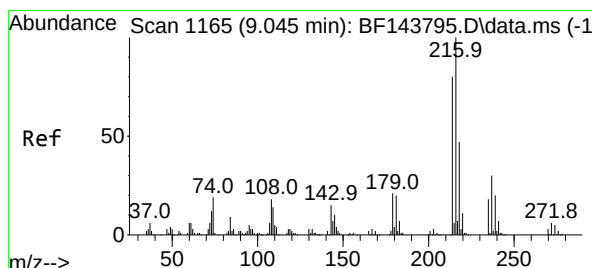
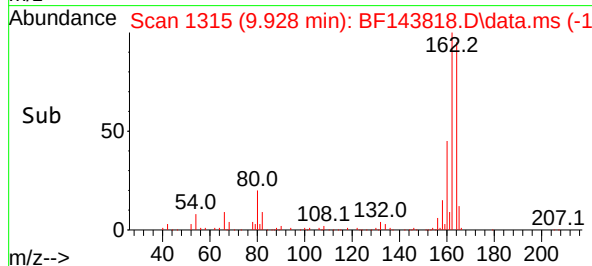
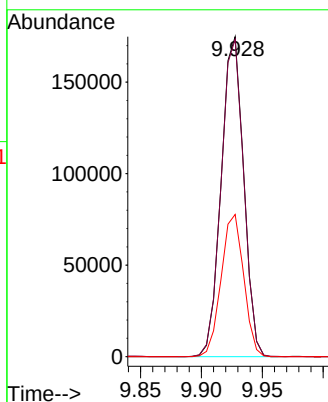
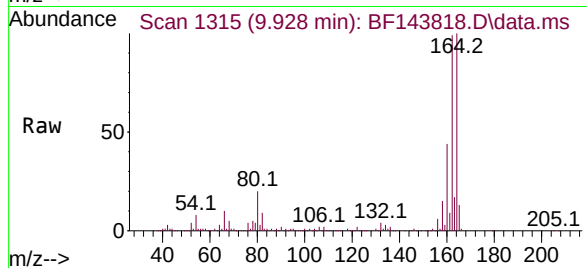
Tgt Ion:164 Resp: 224210

Ion Ratio Lower Upper

164 100

162 99.1 78.8 118.2

160 44.4 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.694 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Tgt Ion:216 Resp: 356539

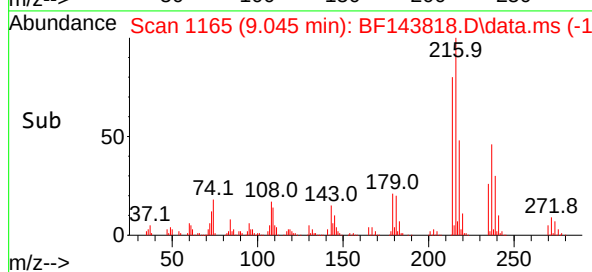
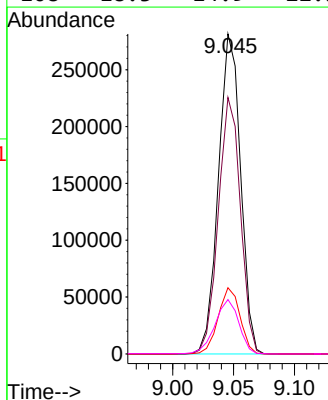
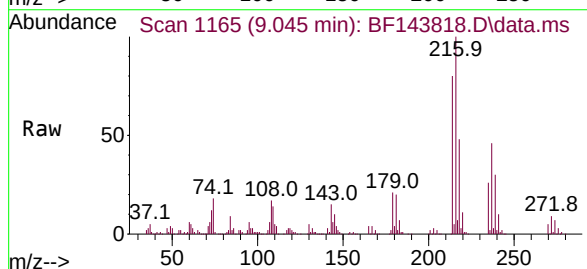
Ion Ratio Lower Upper

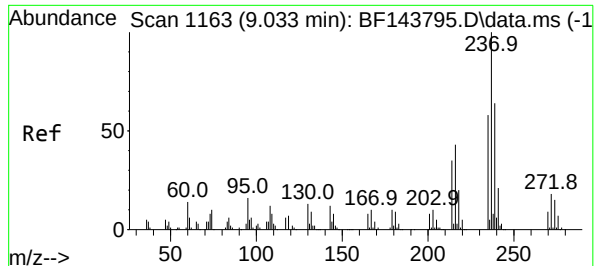
216 100

214 79.8 63.7 95.5

179 20.4 16.5 24.7

108 18.3 14.9 22.3

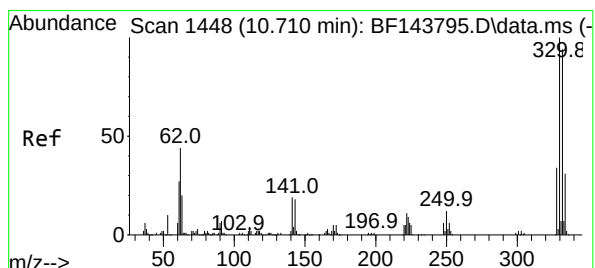
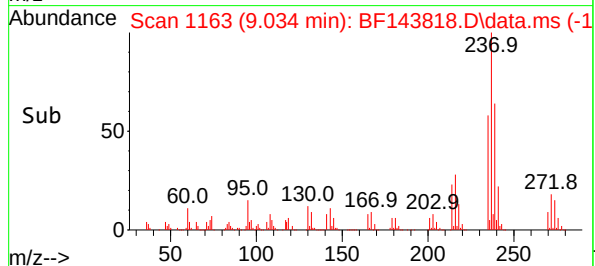
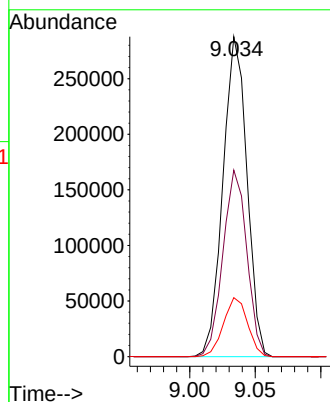
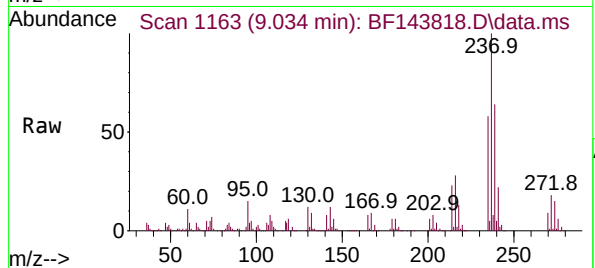




#41
Hexachlorocyclopentadiene
Concen: 85.631 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

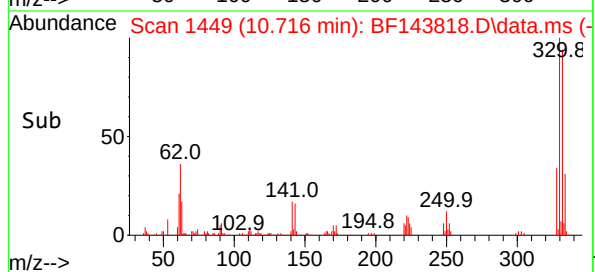
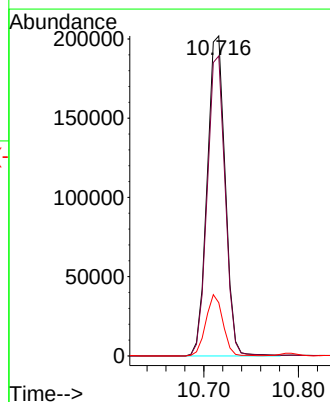
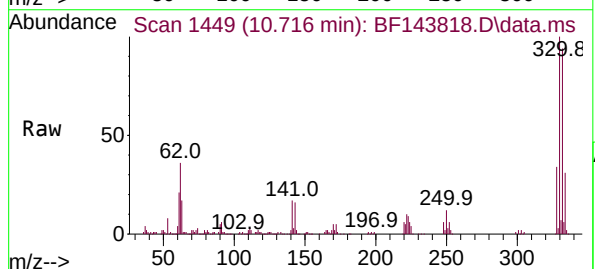
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

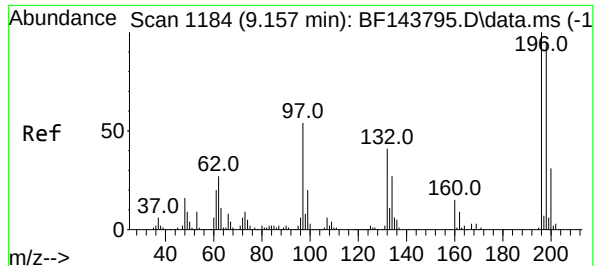
Tgt Ion: 237 Resp: 367206
Ion Ratio Lower Upper
237 100
235 58.3 38.1 78.1
272 18.4 0.0 37.9



#42
2,4,6-Tribromophenol
Concen: 80.479 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion: 330 Resp: 267172
Ion Ratio Lower Upper
330 100
332 93.6 74.7 112.1
141 18.2 14.3 21.5





#43

2,4,6-Trichlorophenol

Concen: 53.427 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

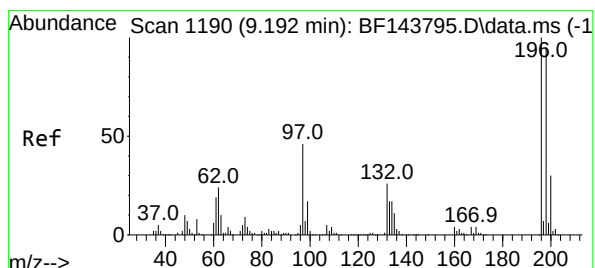
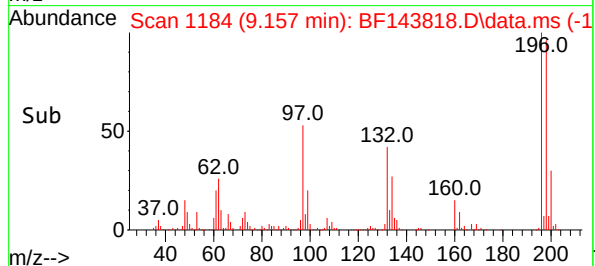
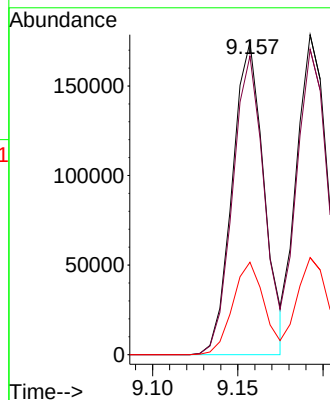
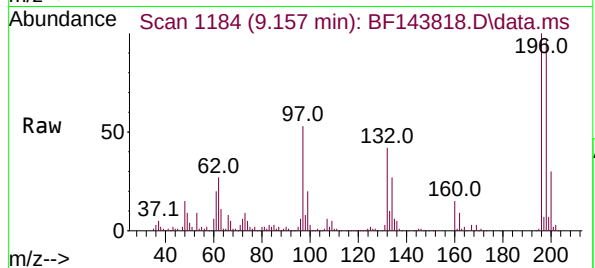
Tgt Ion:196 Resp: 226360

Ion Ratio Lower Upper

196 100

198 95.5 76.2 114.2

200 29.6 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 50.763 ng

RT: 9.192 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Tgt Ion:196 Resp: 224962

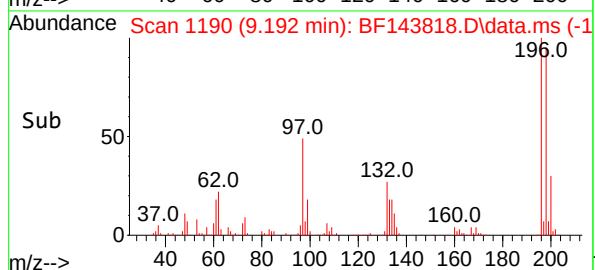
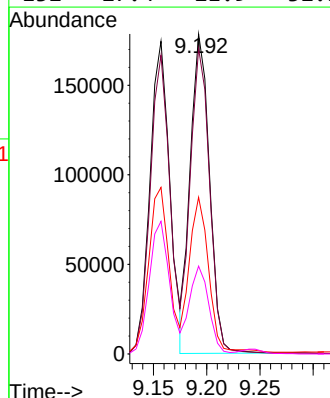
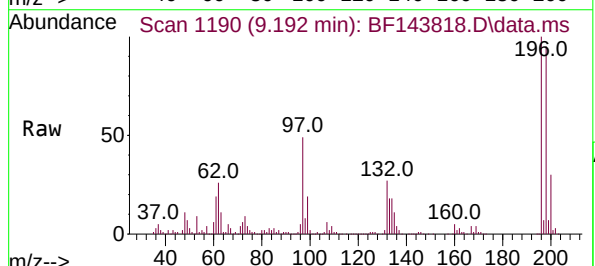
Ion Ratio Lower Upper

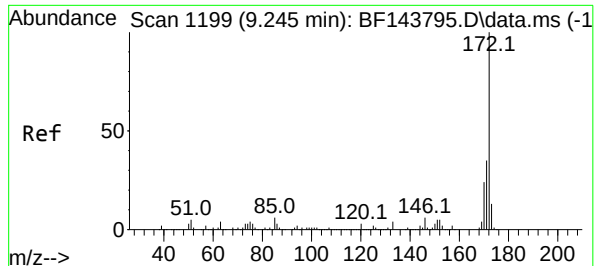
196 100

198 95.5 75.9 113.9

97 48.9 38.3 57.5

132 27.4 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 51.871 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

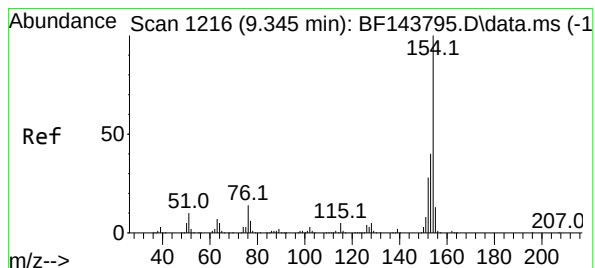
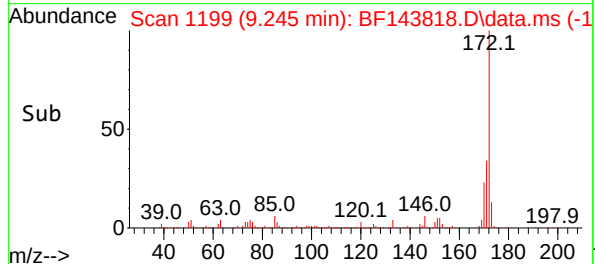
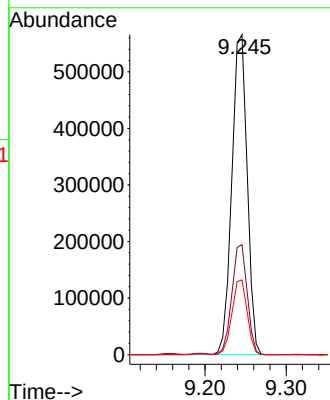
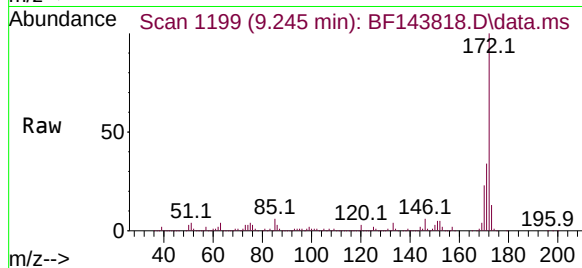
Tgt Ion:172 Resp: 745279

Ion Ratio Lower Upper

172 100

171 34.4 27.9 41.9

170 23.4 19.1 28.7



#46

1,1'-Biphenyl

Concen: 53.810 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

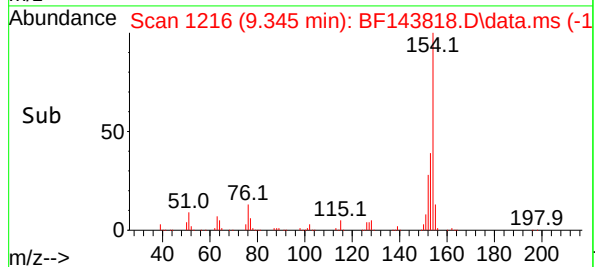
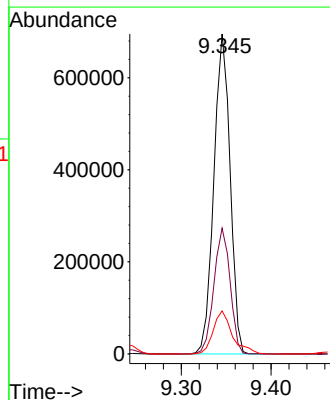
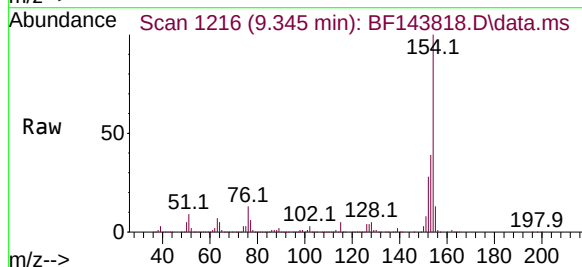
Tgt Ion:154 Resp: 873337

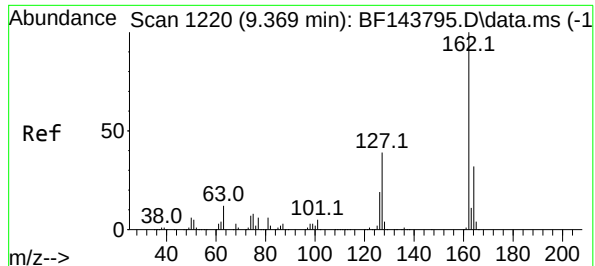
Ion Ratio Lower Upper

154 100

153 39.3 19.7 59.7

76 13.4 0.0 33.8





#47

2-Chloronaphthalene

Concen: 48.050 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

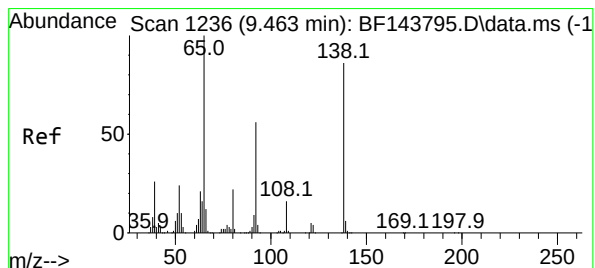
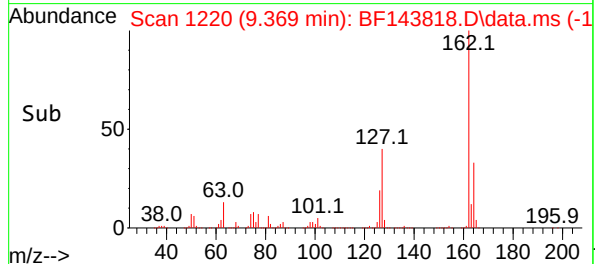
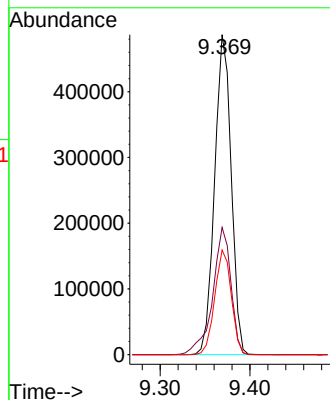
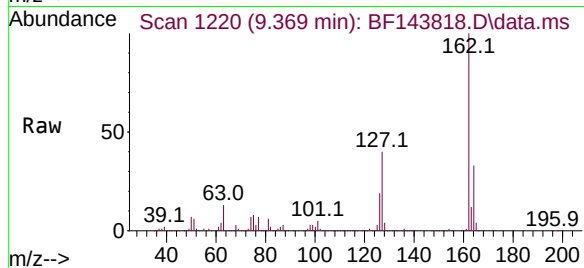
Tgt Ion:162 Resp: 627741

Ion Ratio Lower Upper

162 100

127 39.7 31.5 47.3

164 32.7 25.9 38.9



#48

2-Nitroaniline

Concen: 61.899 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

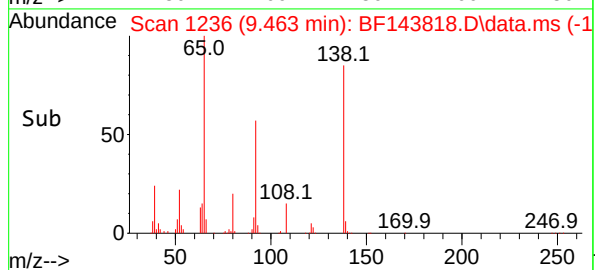
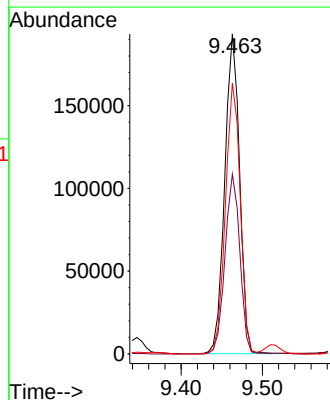
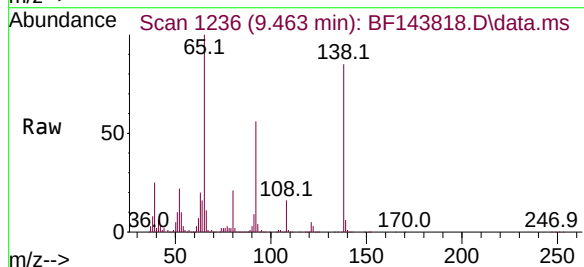
Tgt Ion: 65 Resp: 244411

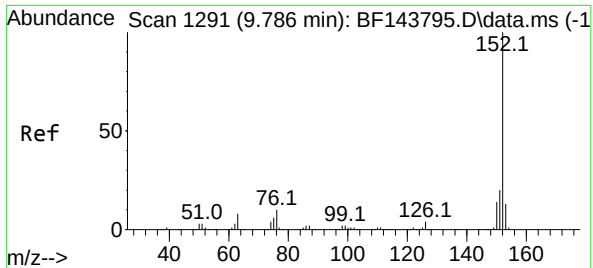
Ion Ratio Lower Upper

65 100

92 56.2 44.9 67.3

138 84.6 69.0 103.4





#49

Acenaphthylene

Concen: 55.772 ng

RT: 9.787 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

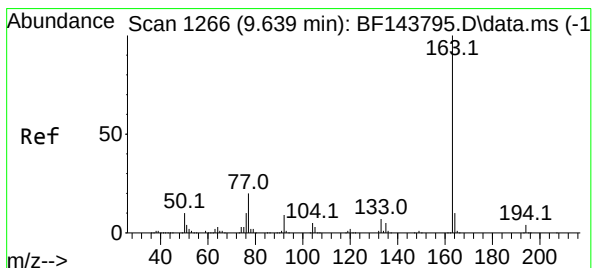
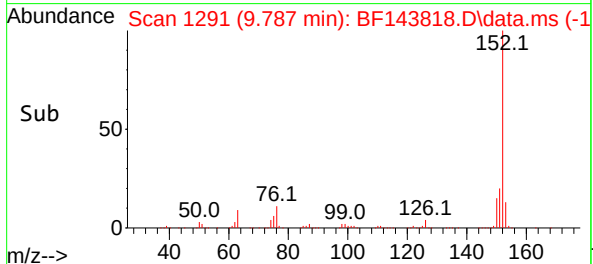
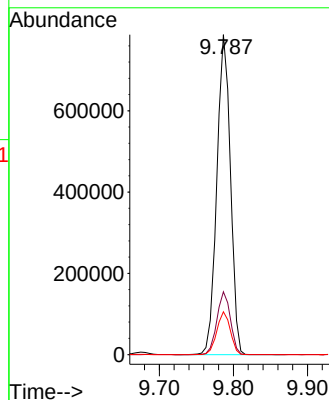
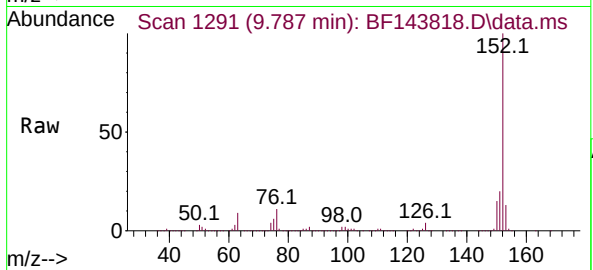
Tgt Ion:152 Resp: 1003047

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

153 13.4 10.6 15.8



#50

Dimethylphthalate

Concen: 53.262 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

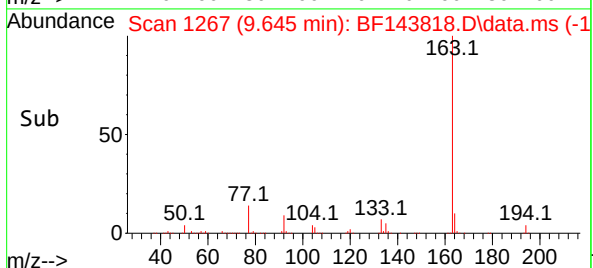
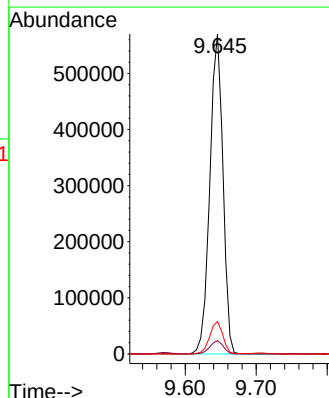
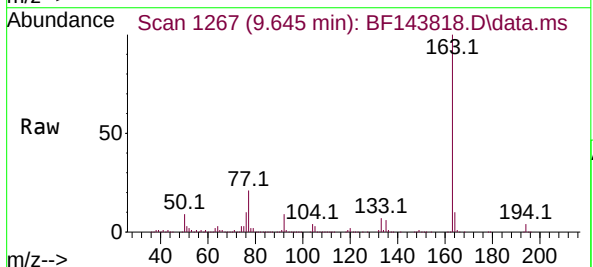
Tgt Ion:163 Resp: 727859

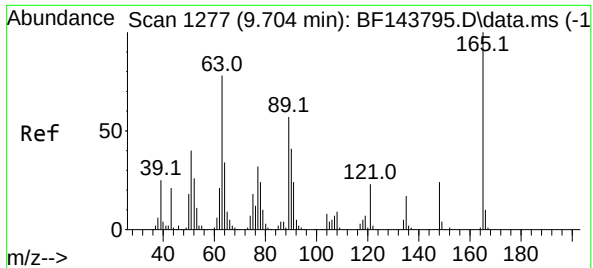
Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

164 10.1 8.2 12.2

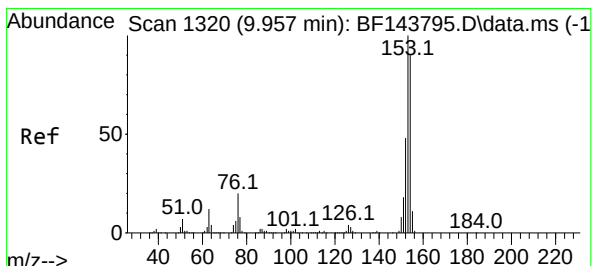
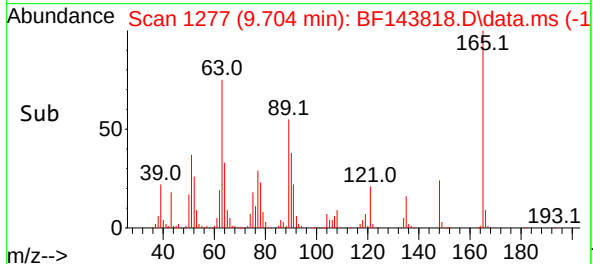
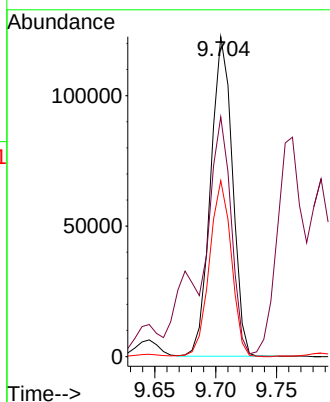
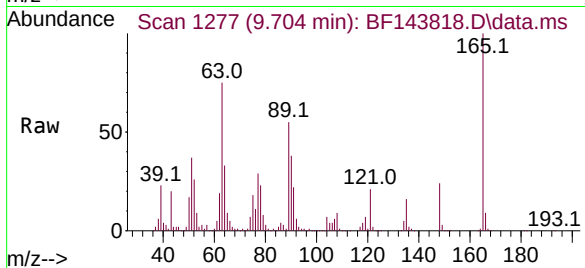




#51
2,6-Dinitrotoluene
Concen: 67.944 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

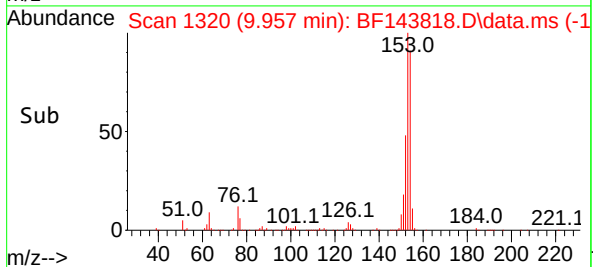
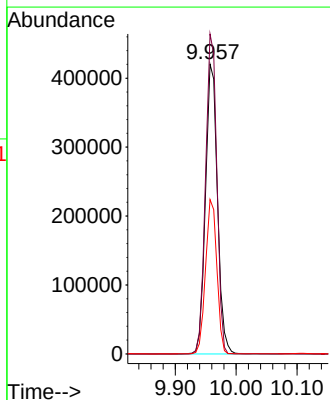
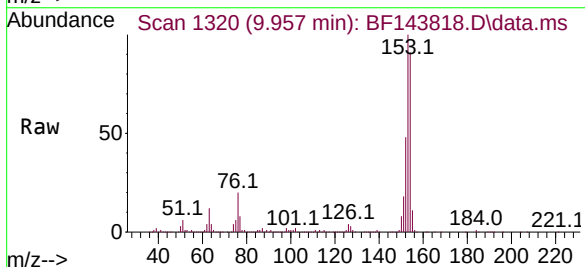
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

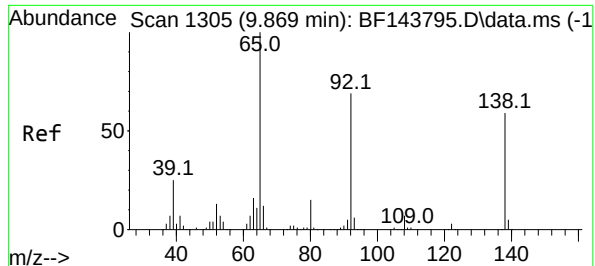
Tgt Ion:165 Resp: 152551
Ion Ratio Lower Upper
165 100
63 74.9 62.6 94.0
89 55.0 45.2 67.8



#52
Acenaphthene
Concen: 48.506 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:154 Resp: 574079
Ion Ratio Lower Upper
154 100
153 110.5 88.7 133.1
152 53.3 42.7 64.1





#53

3-Nitroaniline

Concen: 39.401 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

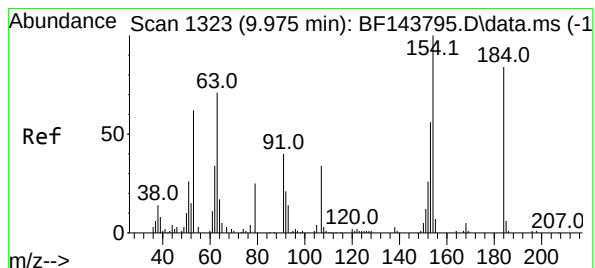
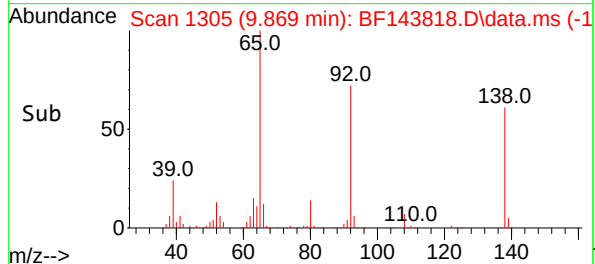
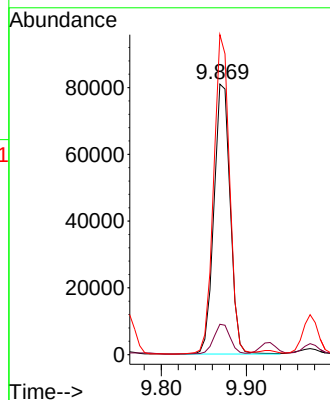
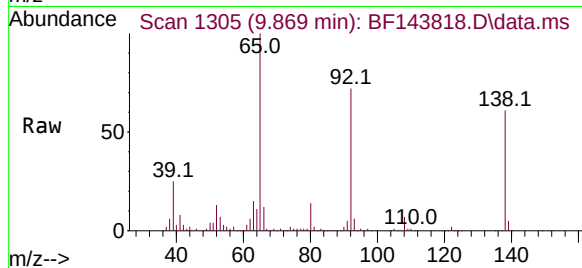
Tgt Ion:138 Resp: 107230

Ion Ratio Lower Upper

138 100

108 11.2 9.9 14.9

92 118.3 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 67.109 ng

RT: 9.975 min Scan# 1323

Delta R.T. -0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

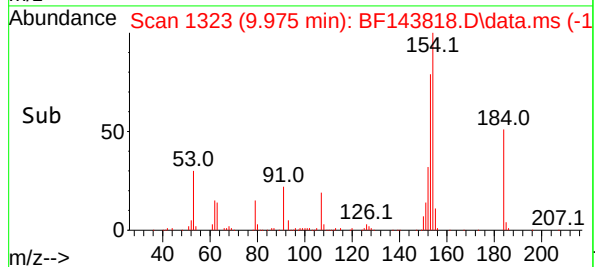
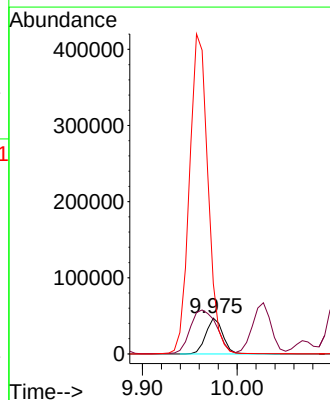
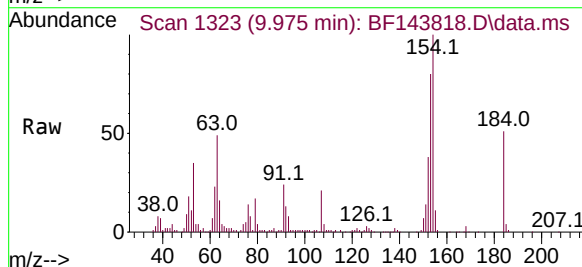
Tgt Ion:184 Resp: 58390

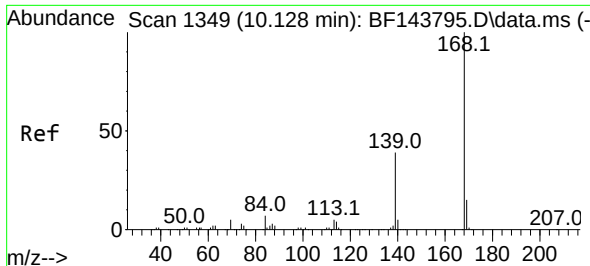
Ion Ratio Lower Upper

184 100

63 96.9 84.6 127.0

154 197.0 199.3 298.9#





#55

Dibenzenofuran

Concen: 48.682 ng

RT: 10.134 min Scan# 1349

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

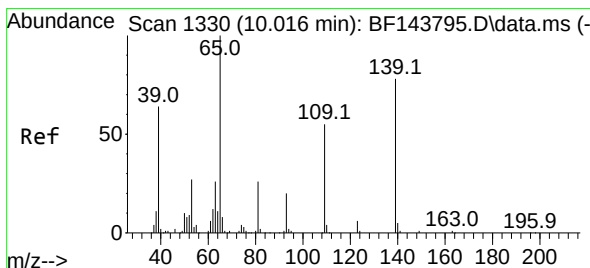
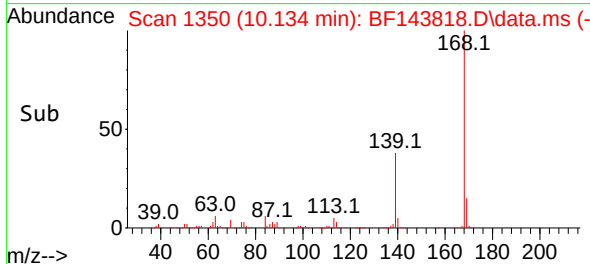
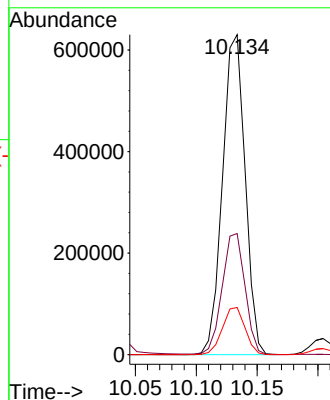
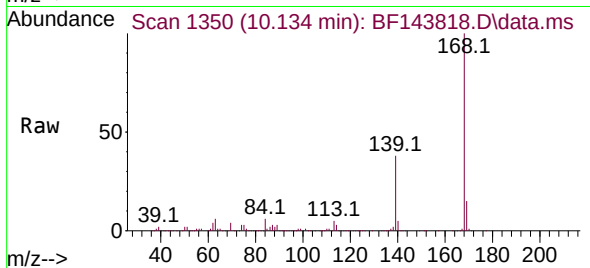
Tgt Ion:168 Resp: 814738

Ion Ratio Lower Upper

168 100

139 37.8 31.0 46.6

169 14.7 11.9 17.9



#56

4-Nitrophenol

Concen: 115.199 ng

RT: 10.028 min Scan# 1332

Delta R.T. 0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

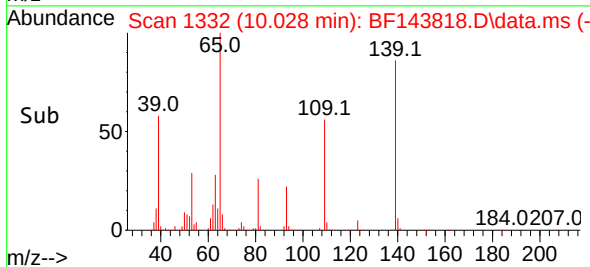
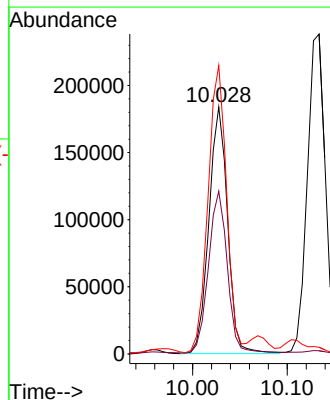
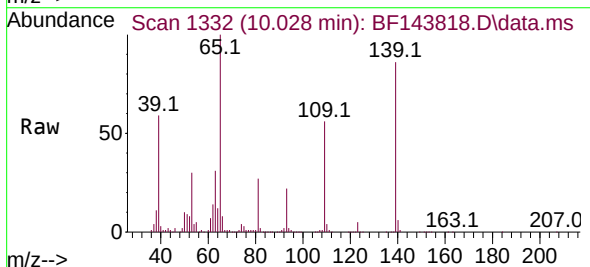
Tgt Ion:139 Resp: 252644

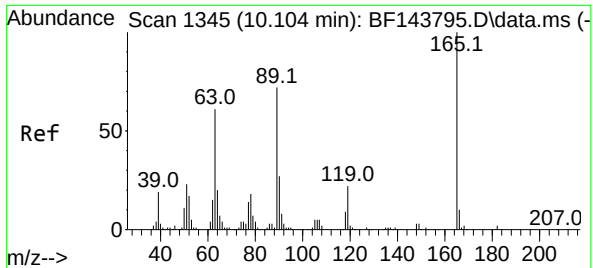
Ion Ratio Lower Upper

139 100

109 65.9 50.2 90.2

65 116.8 109.2 149.2

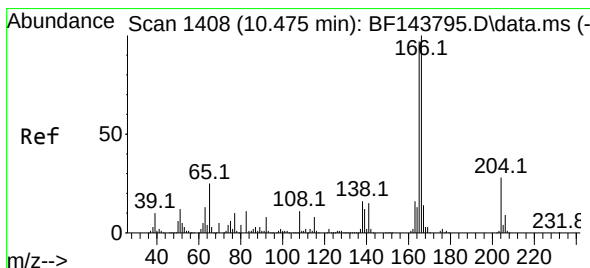
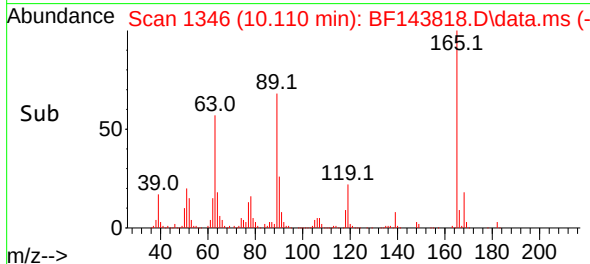
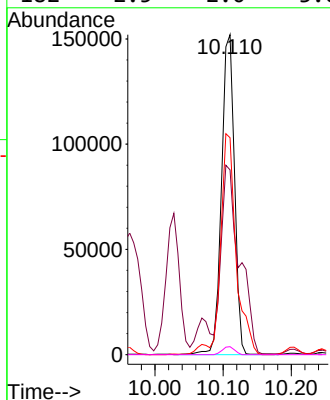
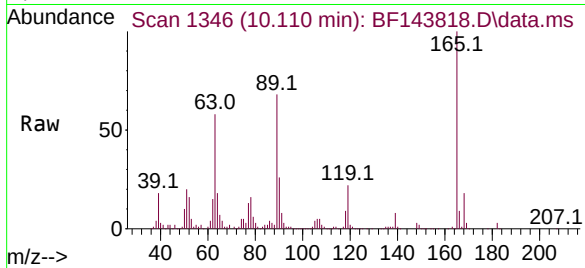




#57
2,4-Dinitrotoluene
Concen: 58.969 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

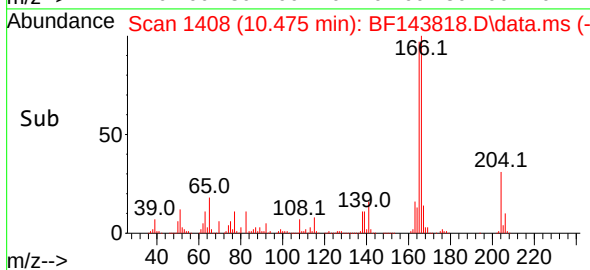
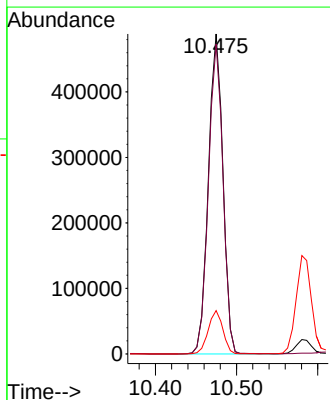
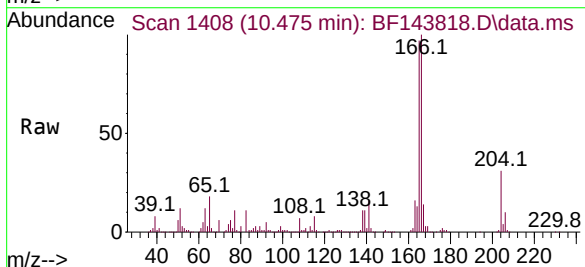
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

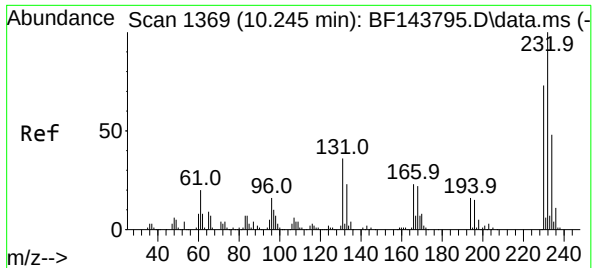
Tgt Ion:165 Resp: 198890
Ion Ratio Lower Upper
165 100
63 57.7 48.9 73.3
89 67.8 57.5 86.3
182 2.5 2.0 3.0



#58
Fluorene
Concen: 49.006 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:166 Resp: 609725
Ion Ratio Lower Upper
166 100
165 96.8 78.0 117.0
167 13.5 10.9 16.3

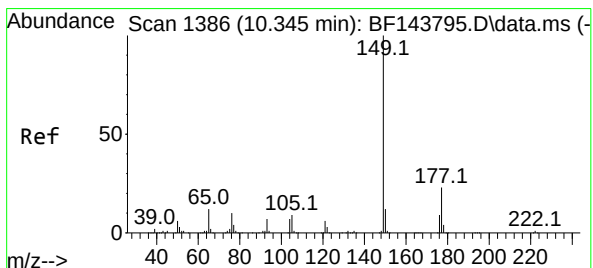
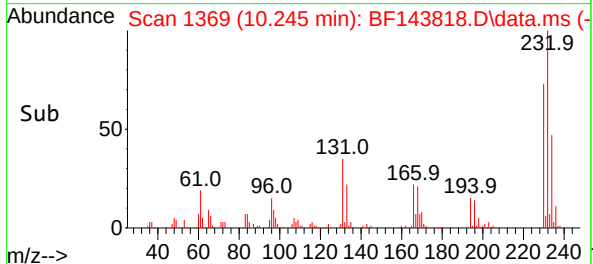
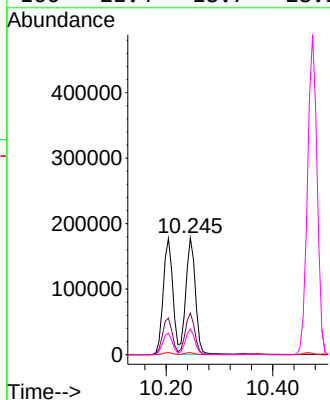
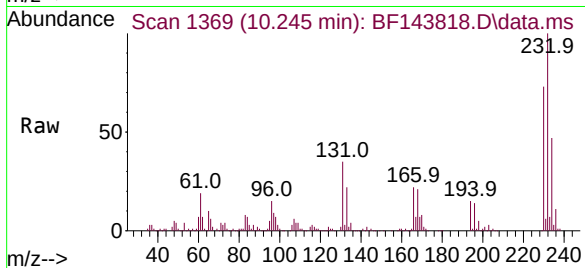




#59
2,3,4,6-Tetrachlorophenol
Concen: 59.212 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

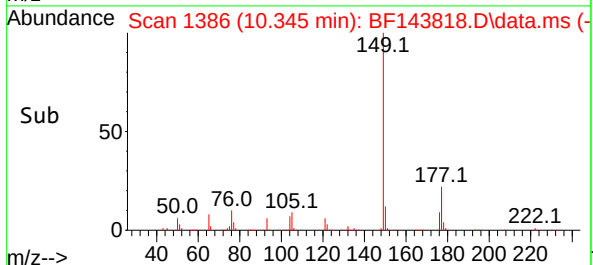
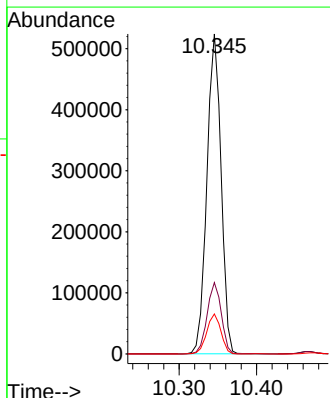
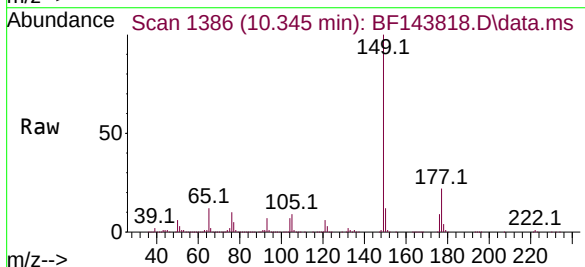
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

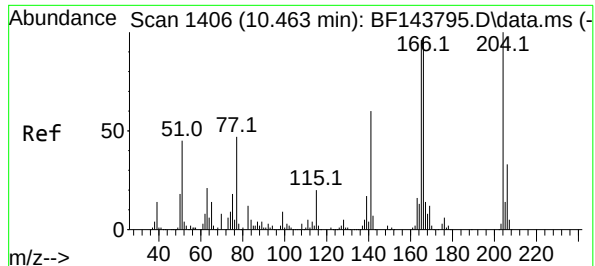
Tgt Ion:232 Resp: 224793
Ion Ratio Lower Upper
232 100
131 35.0 29.4 44.2
130 1.7 1.3 1.9
166 21.4 18.7 28.1



#60
Diethylphthalate
Concen: 51.844 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:149 Resp: 663203
Ion Ratio Lower Upper
149 100
177 22.3 18.1 27.1
150 12.5 9.7 14.5

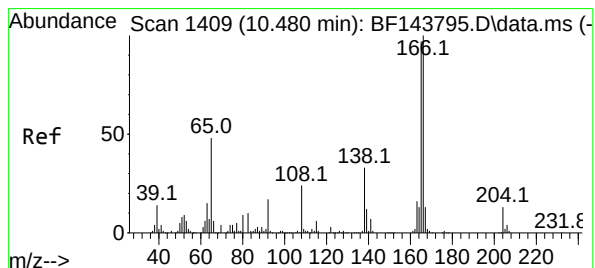
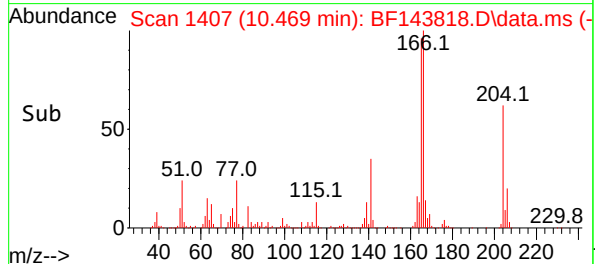
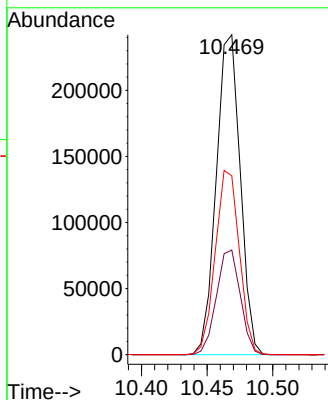
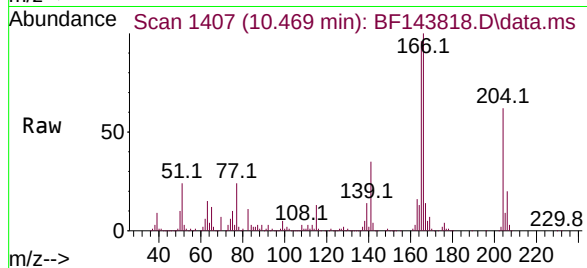




#61
4-Chlorophenyl-phenylether
Concen: 48.780 ng
RT: 10.469 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

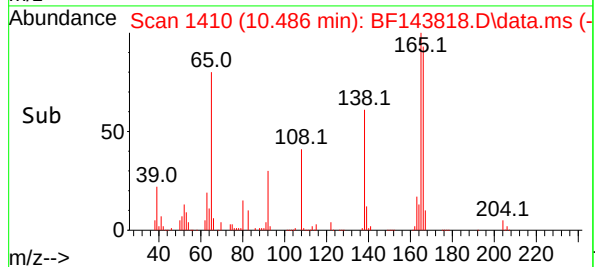
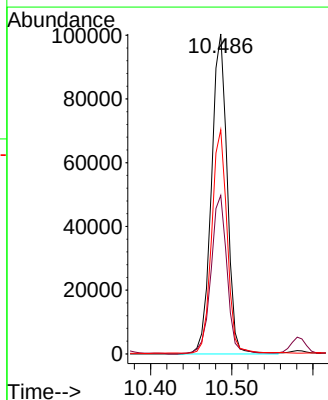
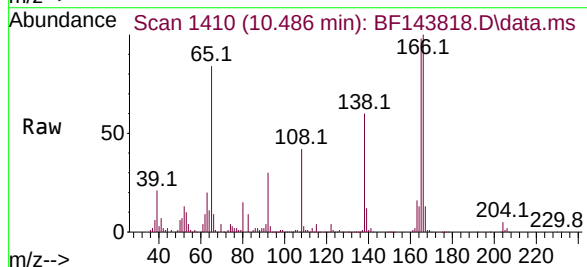
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

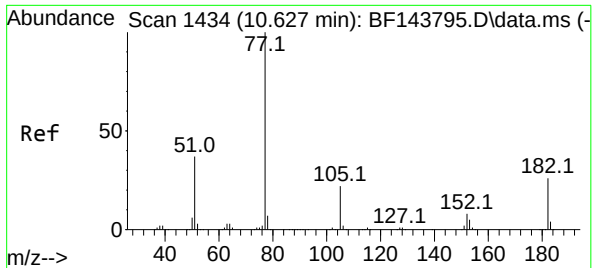
Tgt Ion:204 Resp: 309245
Ion Ratio Lower Upper
204 100
206 32.7 26.7 40.1
141 55.9 48.2 72.2



#62
4-Nitroaniline
Concen: 52.859 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:138 Resp: 135264
Ion Ratio Lower Upper
138 100
92 49.5 31.5 71.5
108 70.0 51.9 91.9

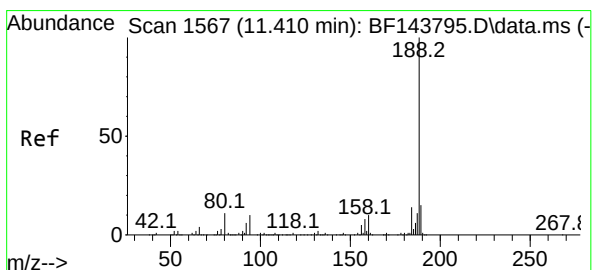
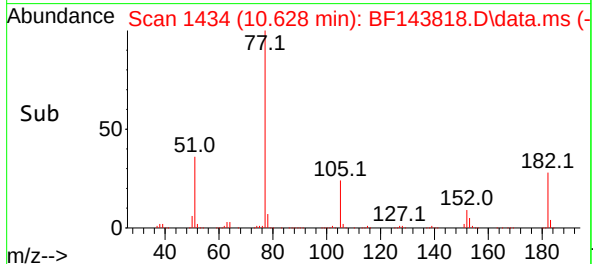
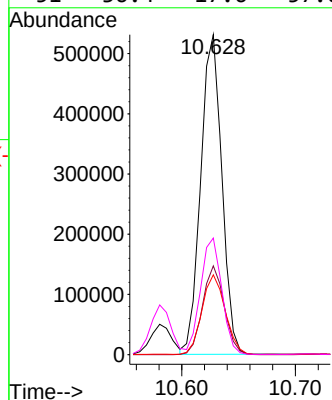
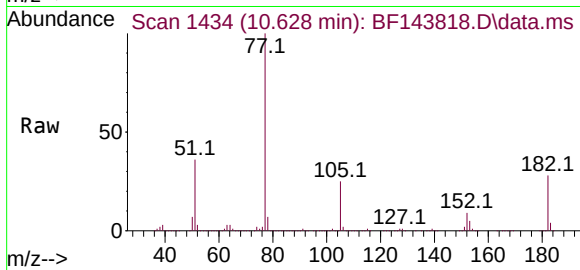




#63
Azobenzene
Concen: 50.885 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

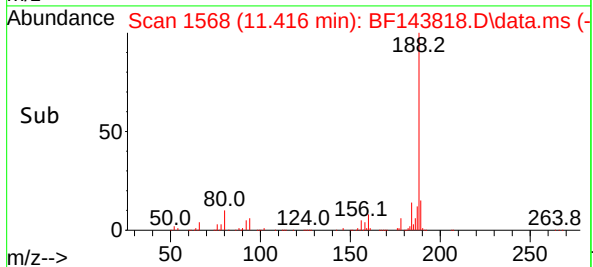
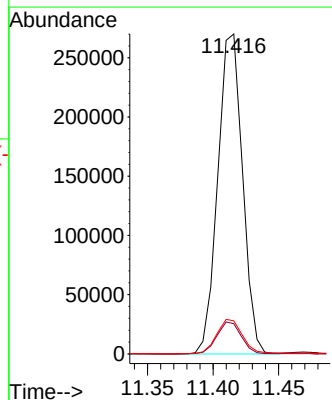
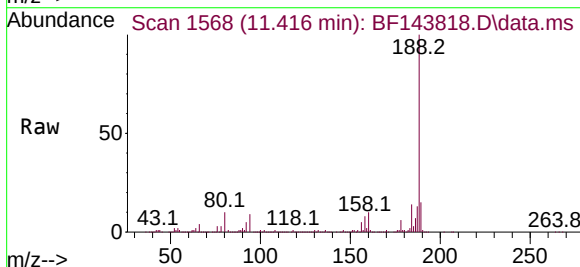
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

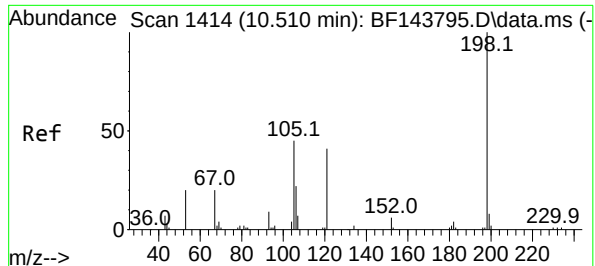
Tgt Ion: 77 Resp: 686022
Ion Ratio Lower Upper
77 100
182 27.7 5.9 45.9
105 24.9 2.3 42.3
51 36.4 17.6 57.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion: 188 Resp: 355718
Ion Ratio Lower Upper
188 100
94 9.4 8.2 12.2
80 10.3 8.6 12.8

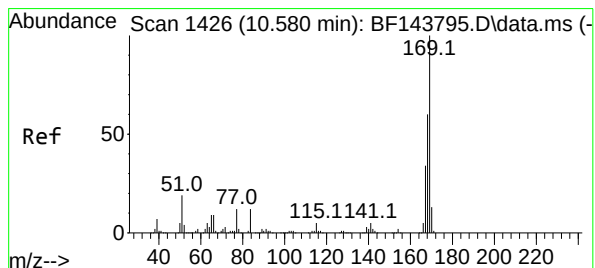
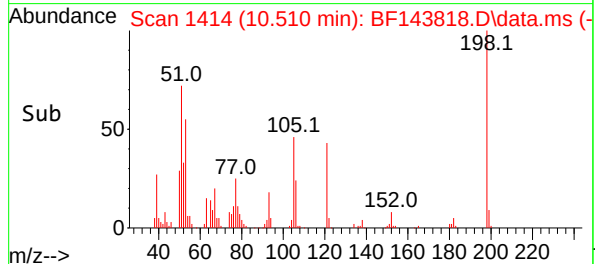
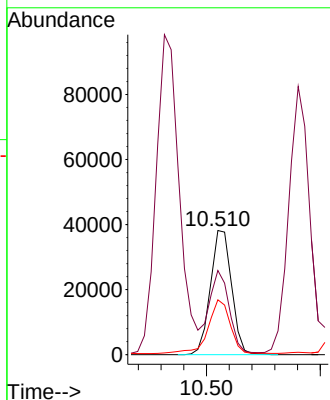
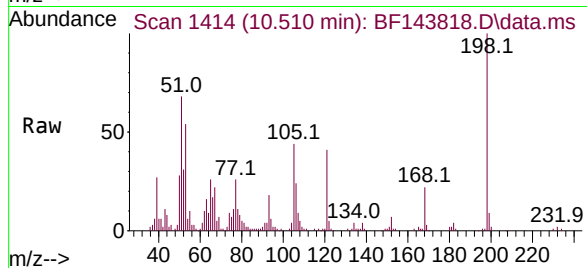




#65
4,6-Dinitro-2-methylphenol
Concen: 40.135 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

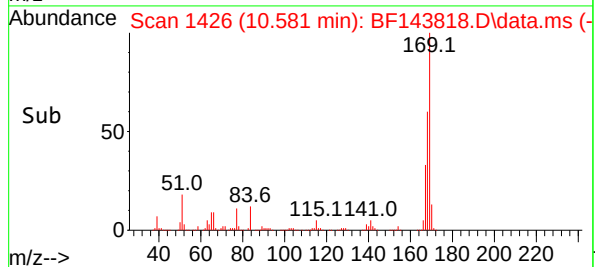
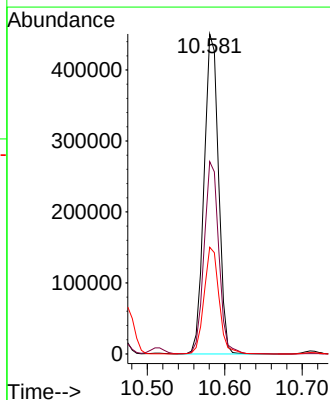
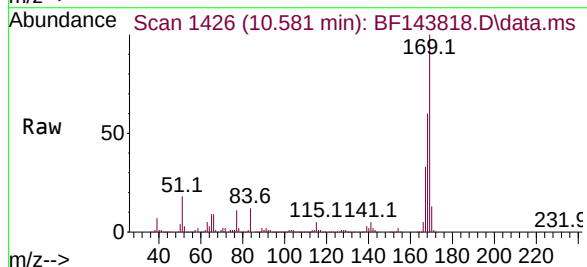
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

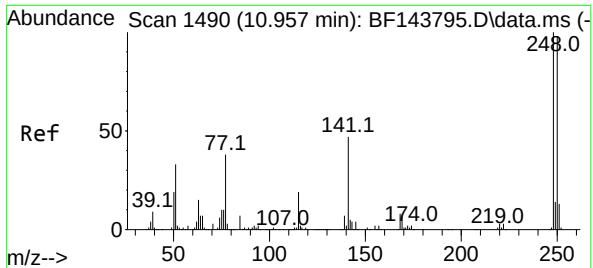
Tgt Ion:198 Resp: 49470
Ion Ratio Lower Upper
198 100
51 67.8 52.0 92.0
105 44.2 27.5 67.5



#66
n-Nitrosodiphenylamine
Concen: 49.648 ng
RT: 10.581 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:169 Resp: 580810
Ion Ratio Lower Upper
169 100
168 60.1 47.9 71.9
167 33.3 27.0 40.6

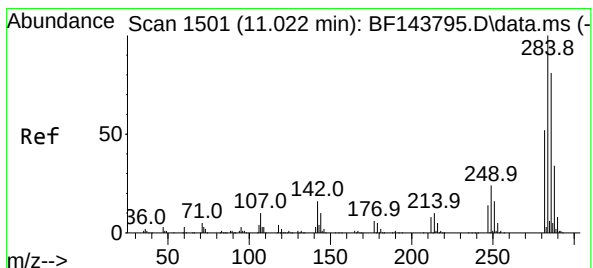
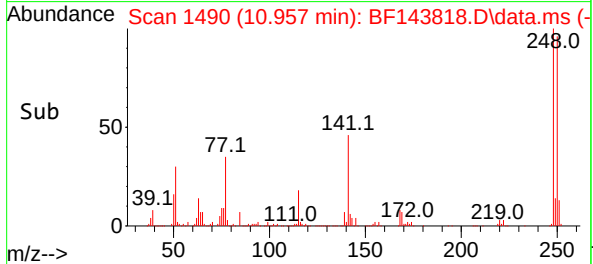
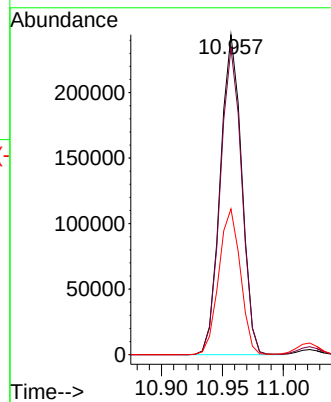
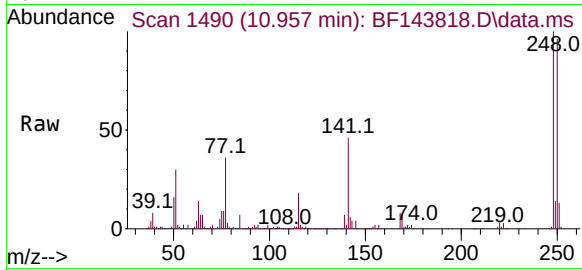




#67
4-Bromophenyl-phenylether
Concen: 49.115 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

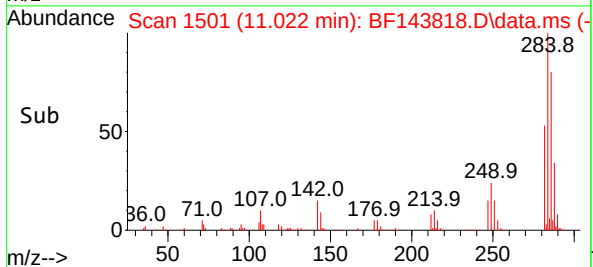
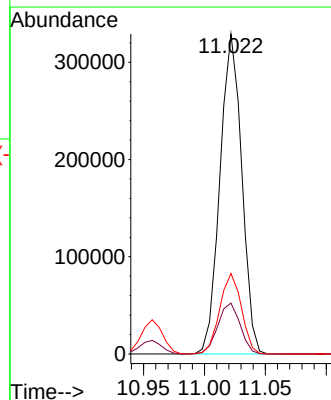
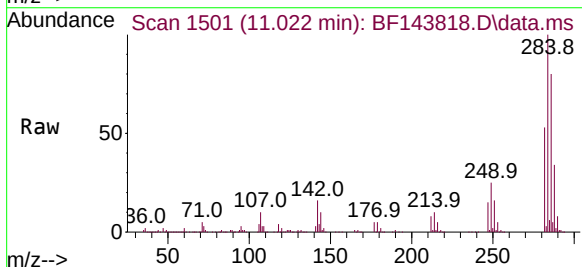
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

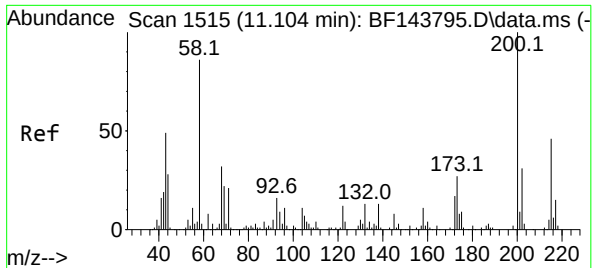
Tgt Ion:248 Resp: 297735
Ion Ratio Lower Upper
248 100
250 95.8 78.7 118.1
141 45.5 37.9 56.9



#68
Hexachlorobenzene
Concen: 48.889 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:284 Resp: 408424
Ion Ratio Lower Upper
284 100
142 15.9 13.1 19.7
249 25.1 19.5 29.3





#69

Atrazine

Concen: 53.765 ng

RT: 11.110 min Scan# 1516

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

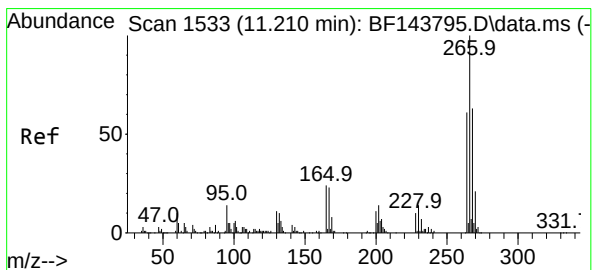
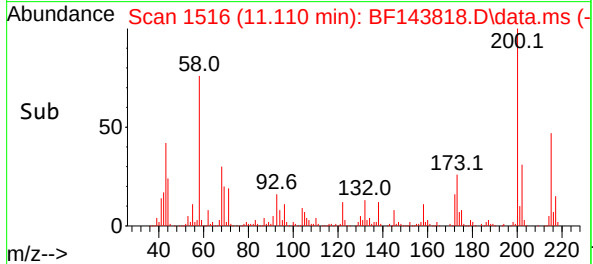
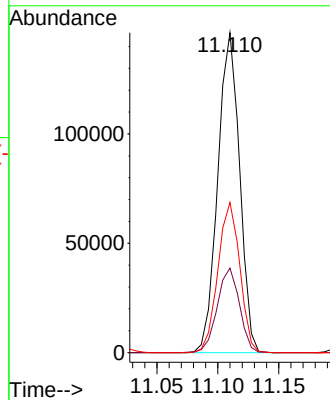
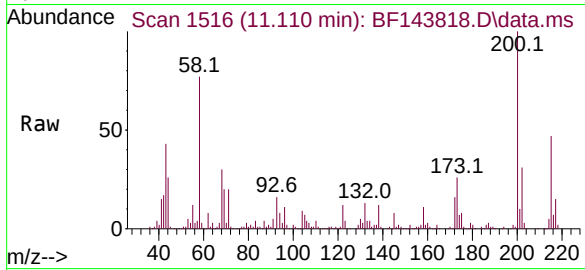
Tgt Ion:200 Resp: 182138

Ion Ratio Lower Upper

200 100

173 26.4 7.2 47.2

215 46.9 26.0 66.0



#70

Pentachlorophenol

Concen: 114.806 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

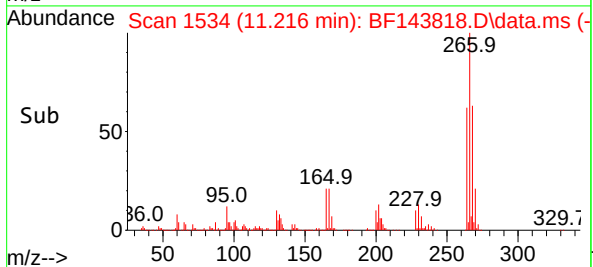
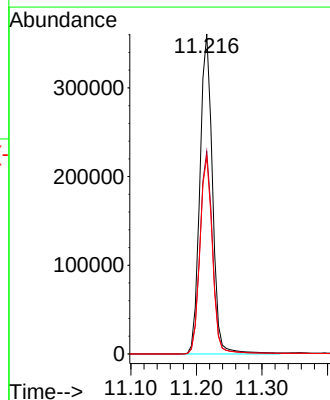
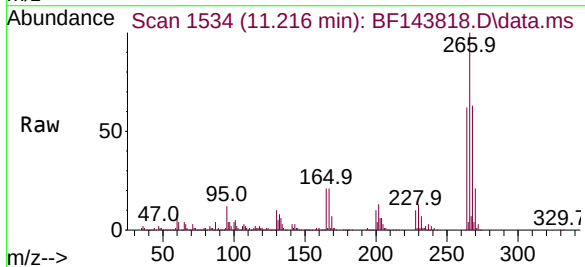
Tgt Ion:266 Resp: 477417

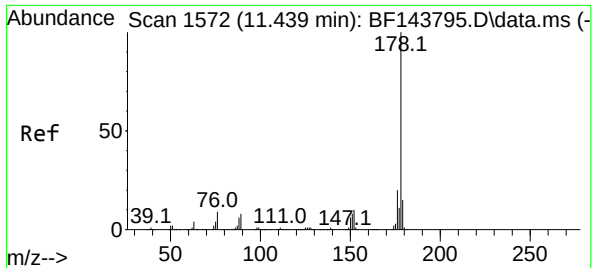
Ion Ratio Lower Upper

266 100

268 63.2 50.5 75.7

264 61.6 48.8 73.2

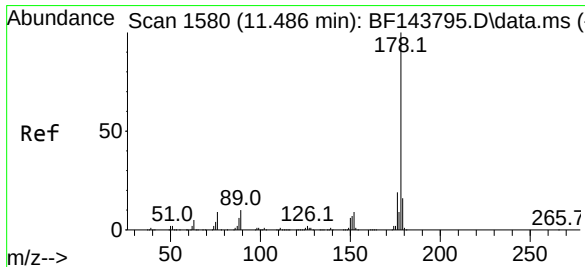
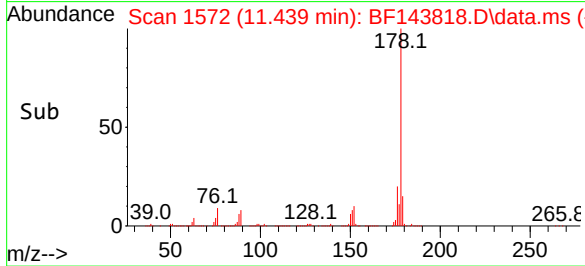
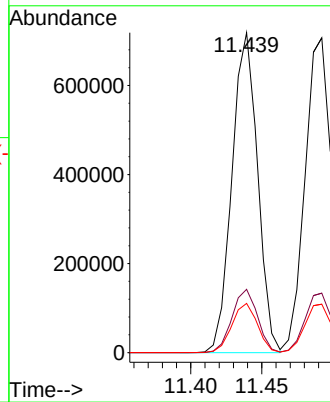
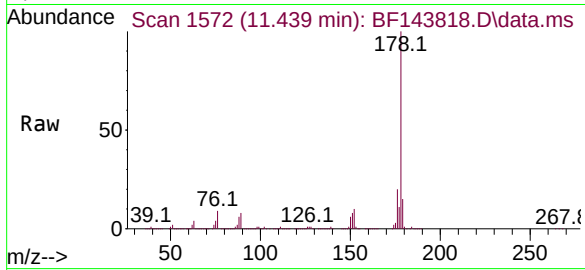




#71
Phenanthrene
Concen: 49.349 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

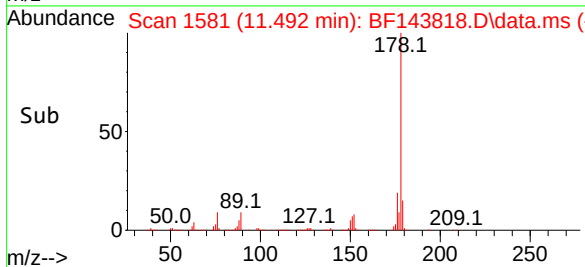
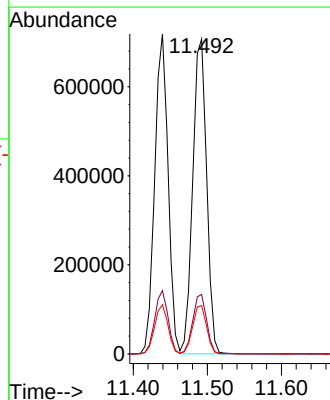
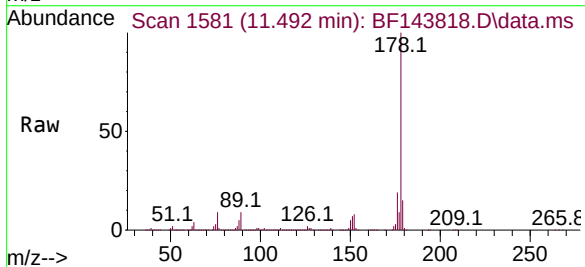
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

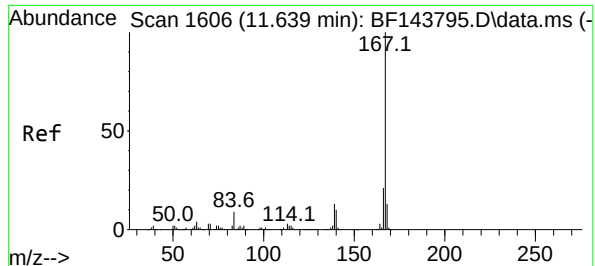
Tgt Ion:178 Resp: 901235
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.4 12.2 18.4



#72
Anthracene
Concen: 50.167 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:178 Resp: 918987
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.4 12.8 19.2





#73

Carbazole

Concen: 51.953 ng

RT: 11.645 min Scan# 1606

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

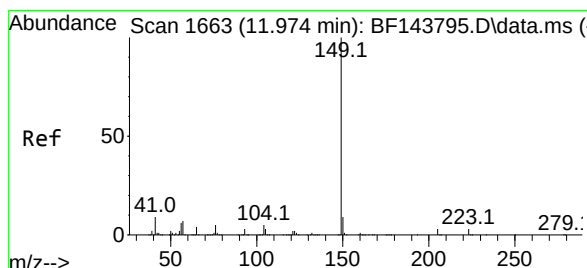
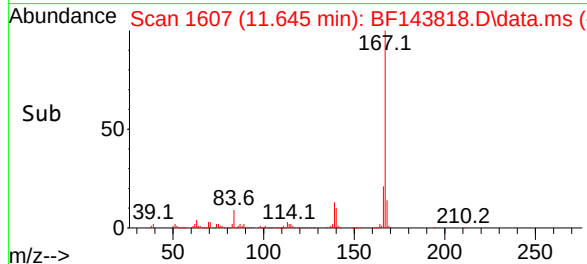
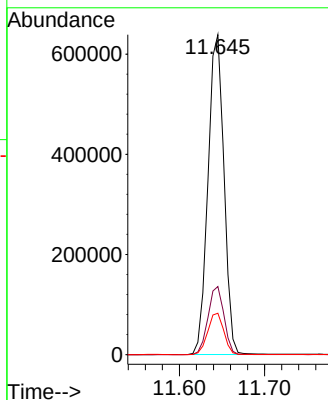
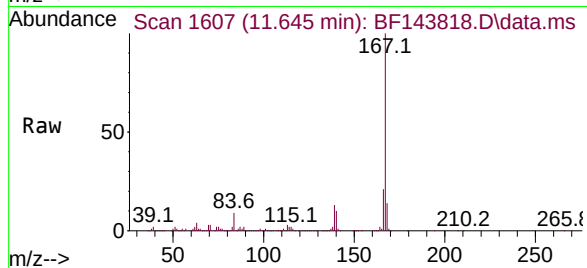
Tgt Ion:167 Resp: 832102

Ion Ratio Lower Upper

167 100

166 21.3 17.0 25.4

139 12.9 10.6 15.8



#74

Di-n-butylphthalate

Concen: 52.810 ng

RT: 11.975 min Scan# 1663

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

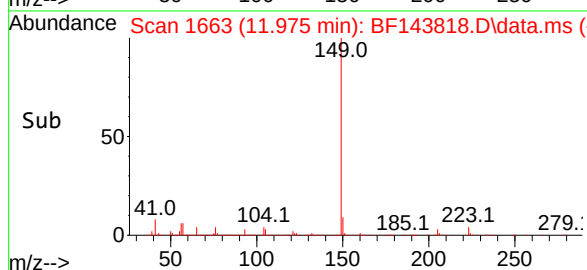
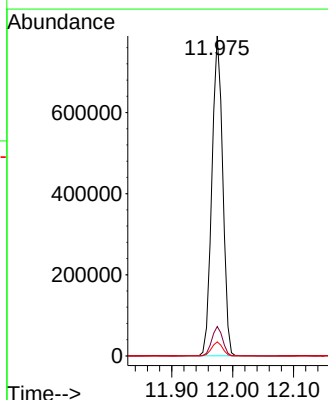
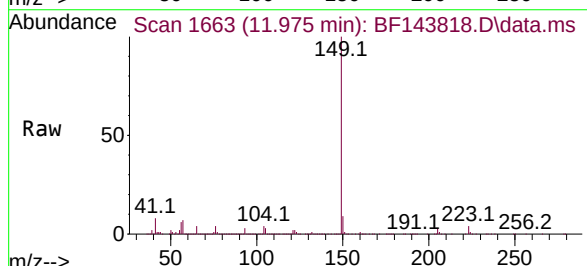
Tgt Ion:149 Resp: 972765

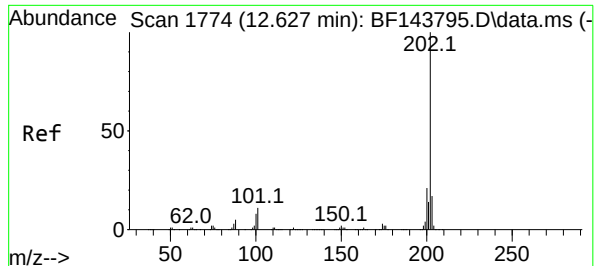
Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

104 4.4 3.6 5.4

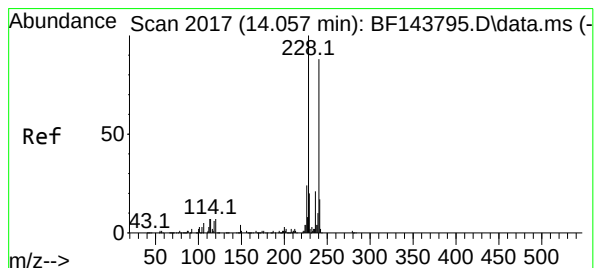
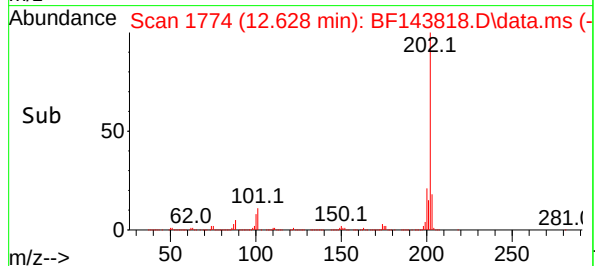
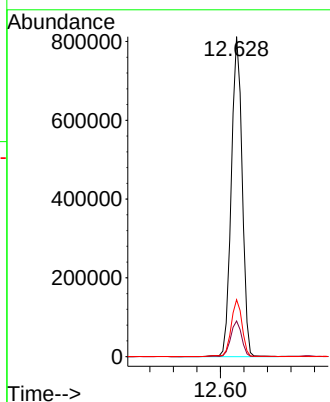
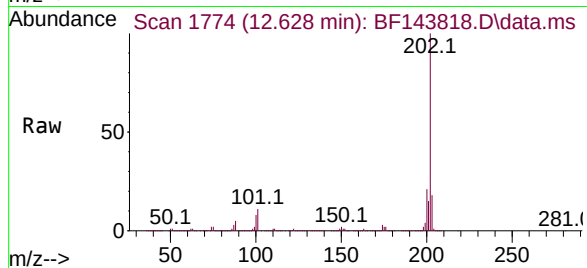




#75
Fluoranthene
Concen: 56.557 ng
RT: 12.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

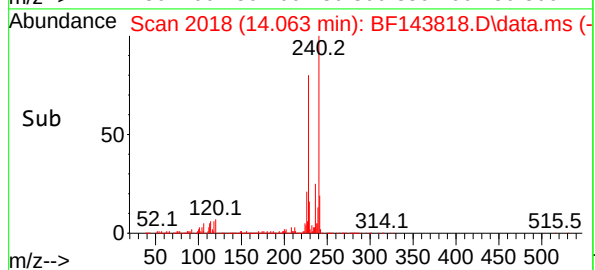
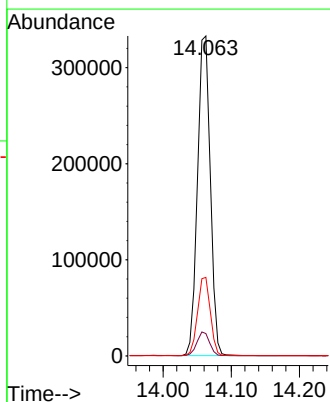
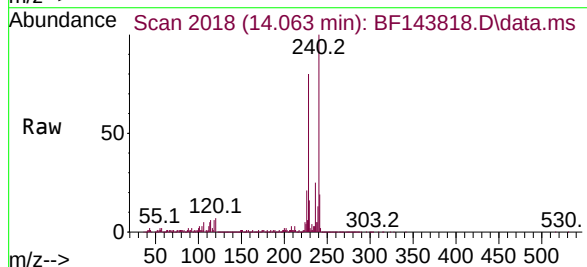
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

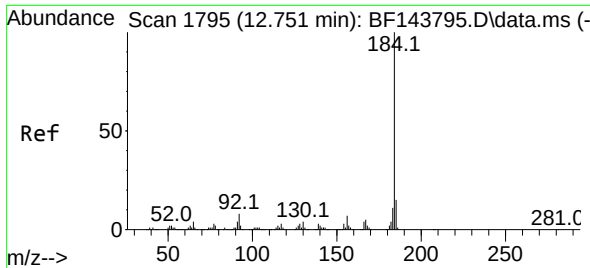
Tgt Ion:202 Resp: 1038840
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.1
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:240 Resp: 435935
Ion Ratio Lower Upper
240 100
120 7.0 6.2 9.4
236 24.5 19.4 29.2

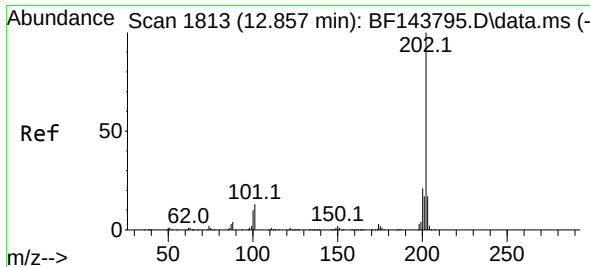
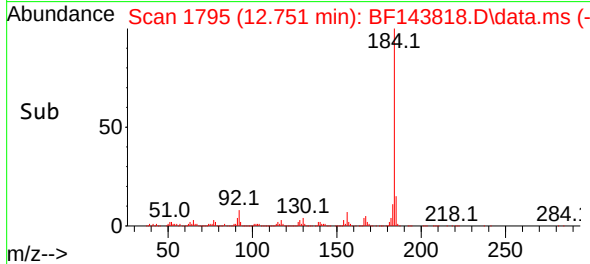
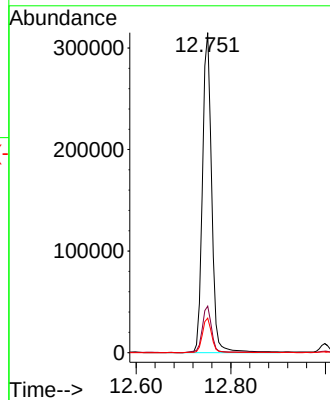
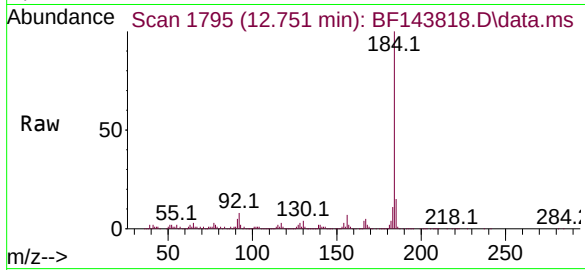




#77
Benzidine
Concen: 39.859 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

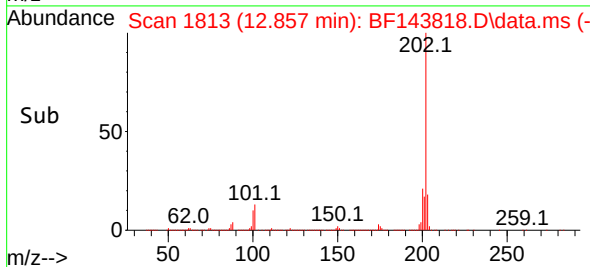
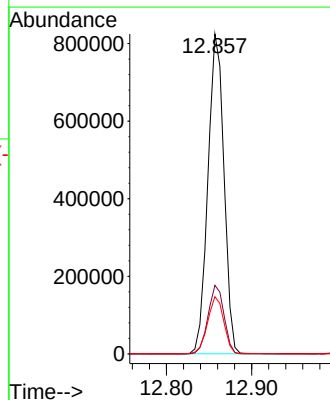
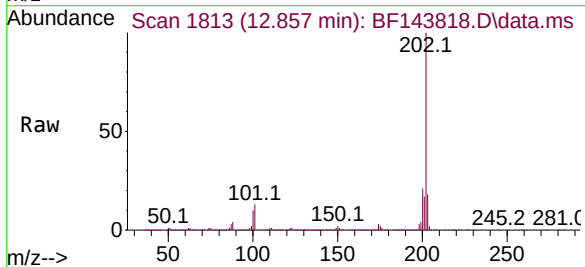
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

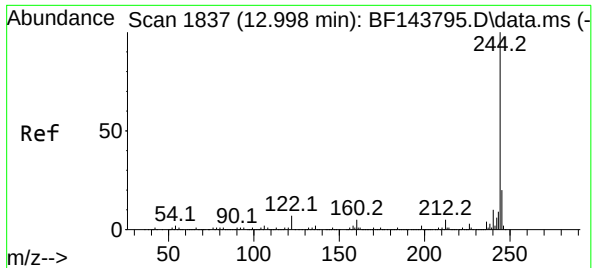
Tgt Ion:184 Resp: 423409
Ion Ratio Lower Upper
184 100
185 14.5 11.6 17.4
183 10.8 8.6 13.0



#78
Pyrene
Concen: 50.222 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:202 Resp: 1076385
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.9 13.9 20.9





#79

Terphenyl-d14

Concen: 53.148 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

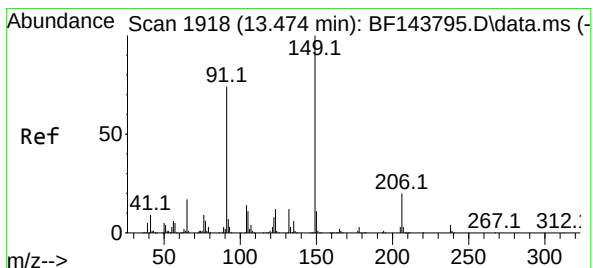
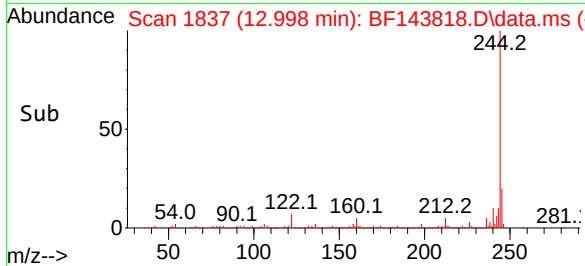
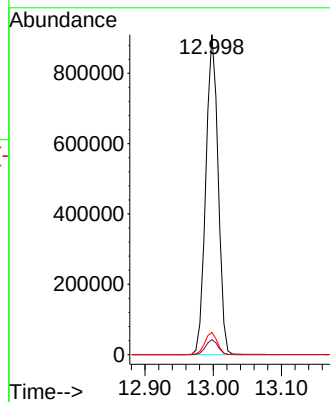
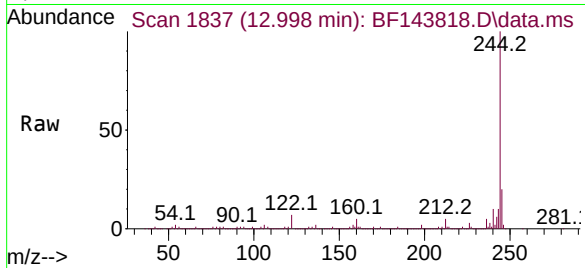
Tgt Ion:244 Resp: 1139227

Ion Ratio Lower Upper

244 100

212 4.7 3.9 5.9

122 6.9 5.6 8.4



#80

Butylbenzylphthalate

Concen: 58.241 ng

RT: 13.475 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

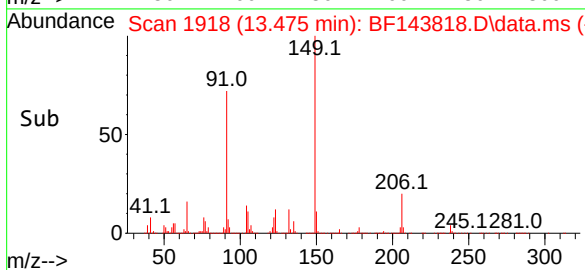
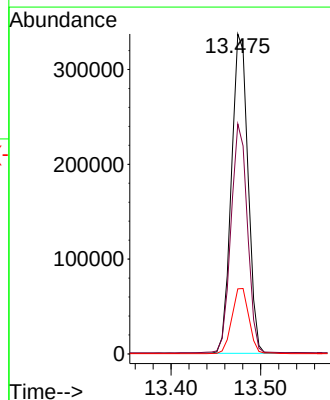
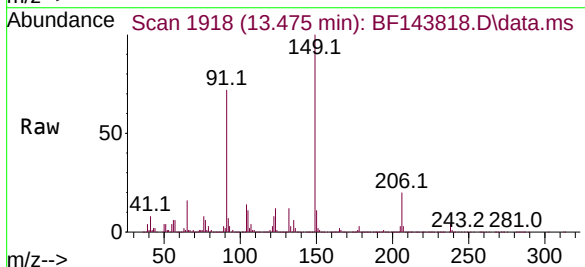
Tgt Ion:149 Resp: 431860

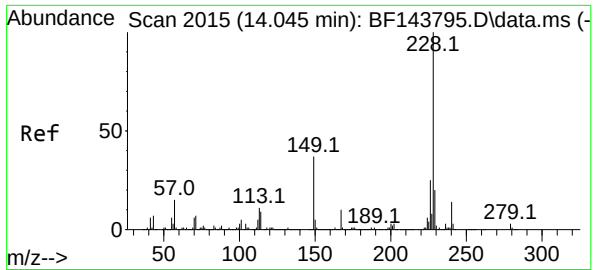
Ion Ratio Lower Upper

149 100

91 71.9 59.5 89.3

206 20.3 16.1 24.1

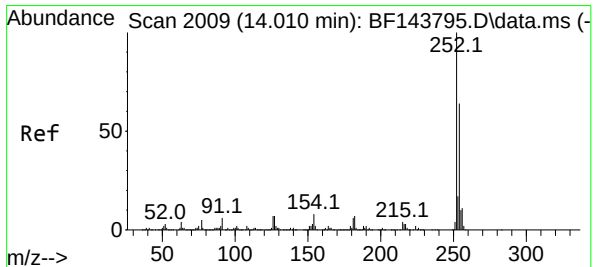
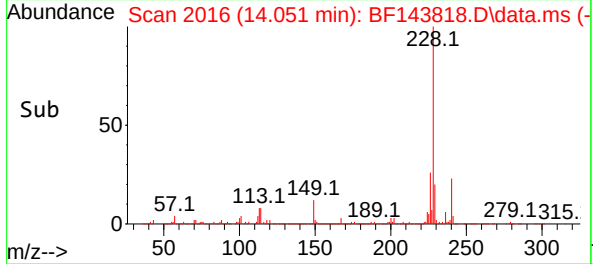
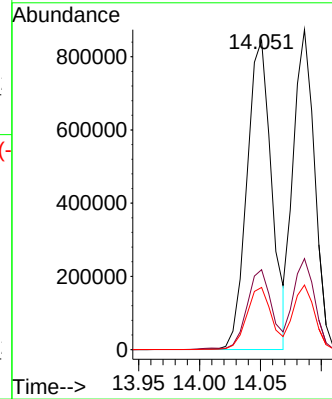
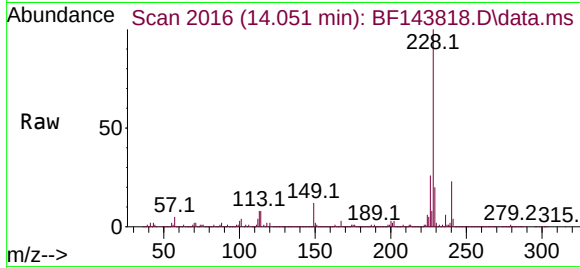




#81
Benzo(a)anthracene
Concen: 51.150 ng
RT: 14.051 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

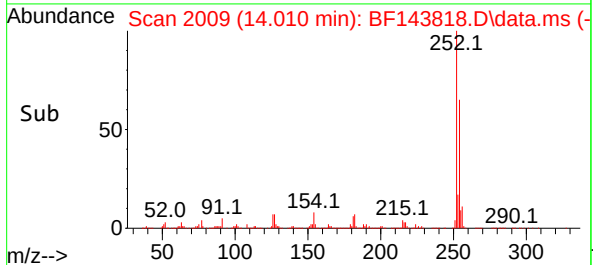
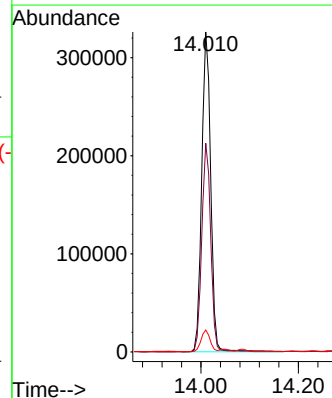
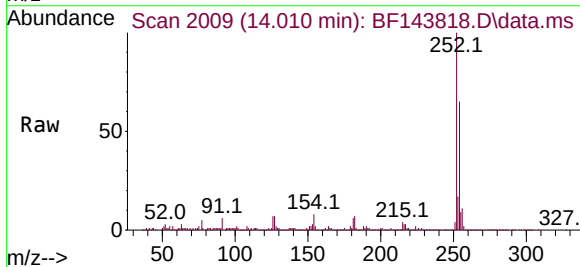
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

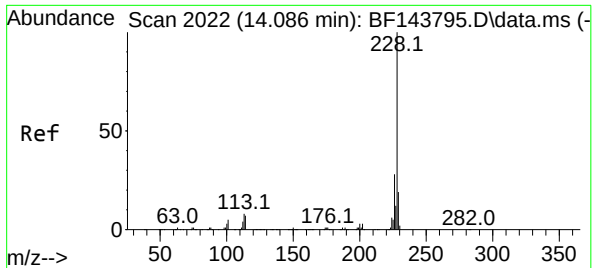
Tgt Ion:228 Resp: 1197901
Ion Ratio Lower Upper
228 100
226 25.8 20.2 30.2
229 20.1 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 40.930 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:252 Resp: 415267
Ion Ratio Lower Upper
252 100
254 65.2 51.5 77.3
126 6.8 5.4 8.2

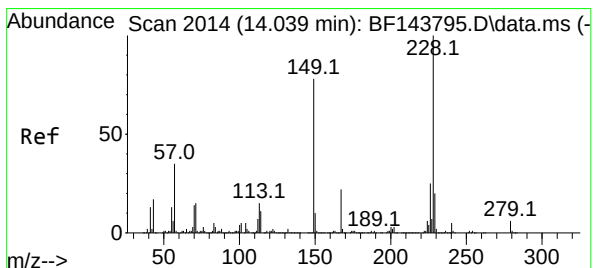
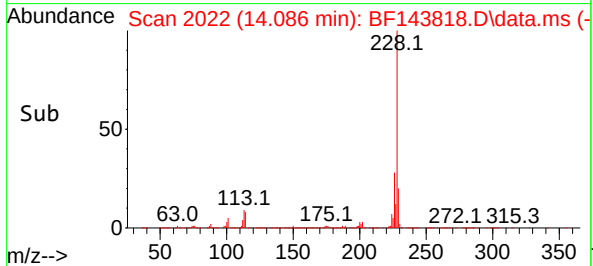
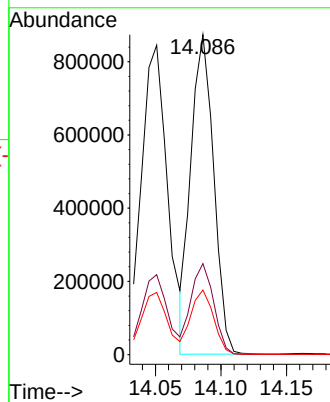
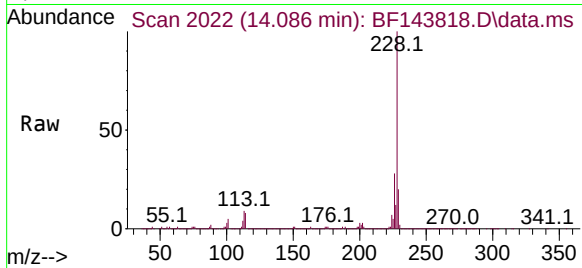




#83
Chrysene
Concen: 49.840 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

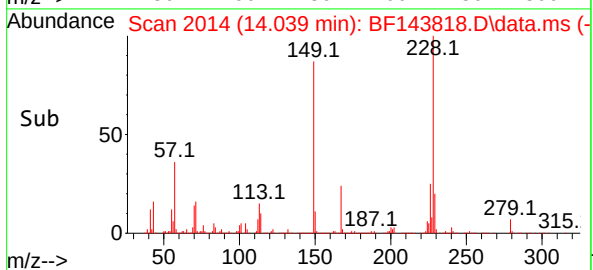
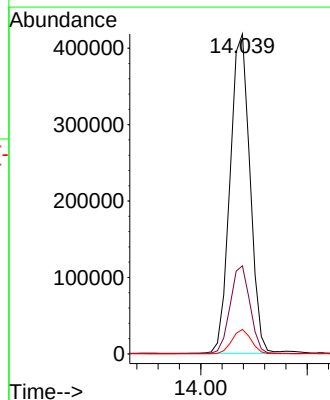
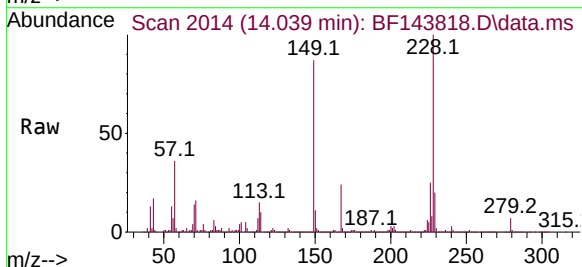
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

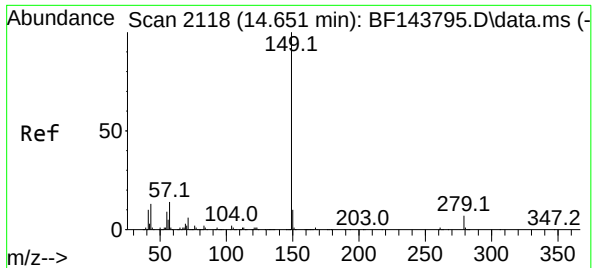
Tgt Ion:228 Resp: 1056176
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 20.2 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.858 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:149 Resp: 541890
Ion Ratio Lower Upper
149 100
167 27.5 22.2 33.2
279 7.6 6.0 9.0





#85

Di-n-octyl phthalate

Concen: 48.560 ng

RT: 14.651 min Scan# 2118

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

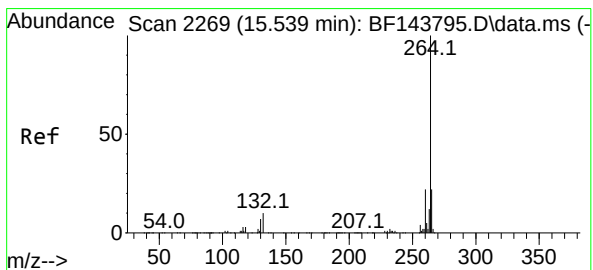
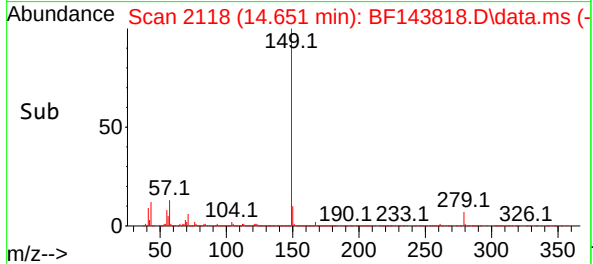
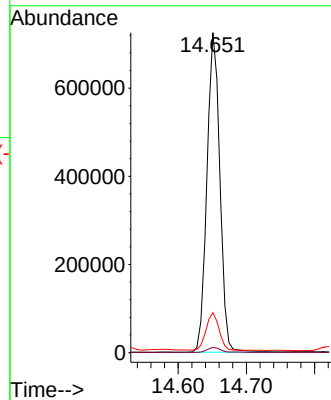
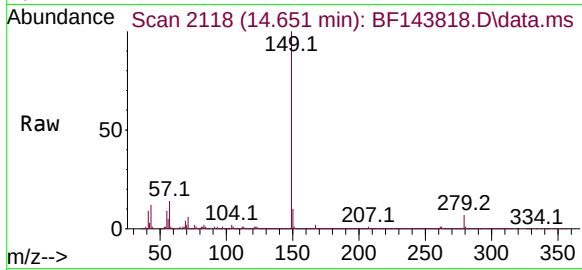
Tgt Ion:149 Resp: 957368

Ion Ratio Lower Upper

149 100

167 1.7 1.1 1.7

43 12.0 10.7 16.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

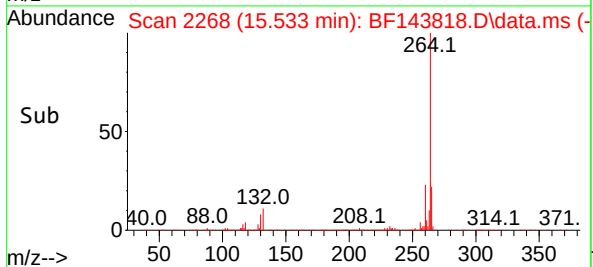
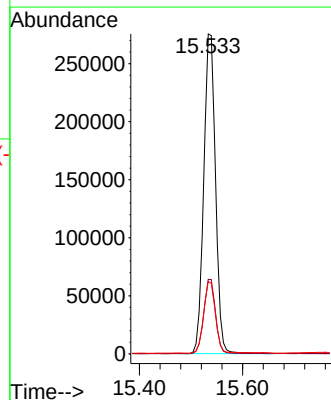
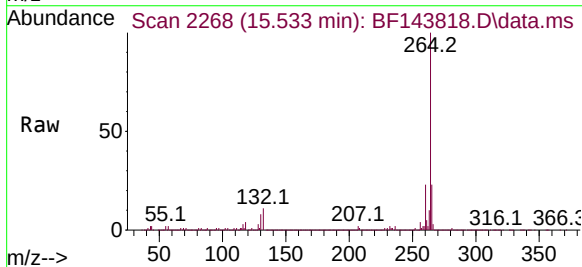
Tgt Ion:264 Resp: 434629

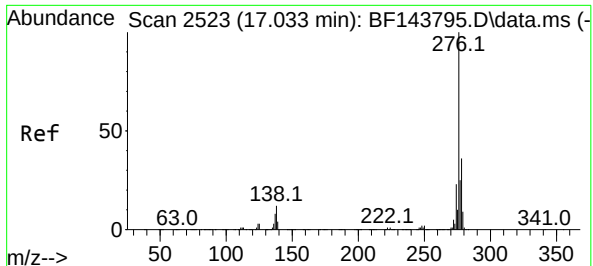
Ion Ratio Lower Upper

264 100

260 23.3 17.9 26.9

265 22.6 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.358 ng

RT: 17.033 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

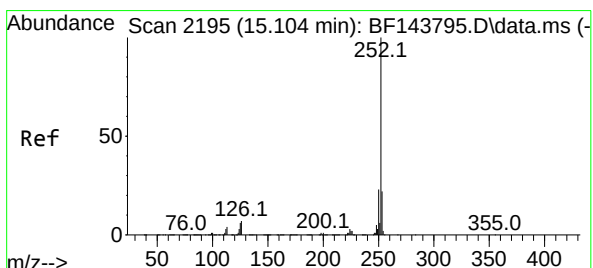
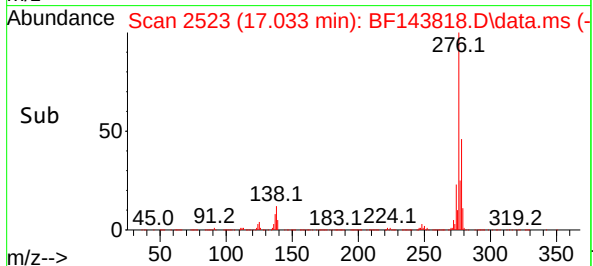
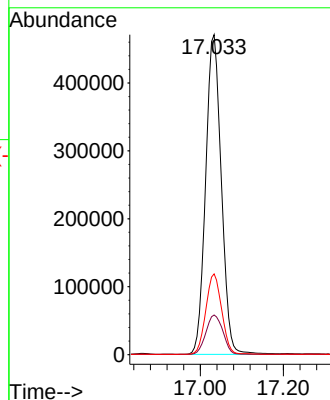
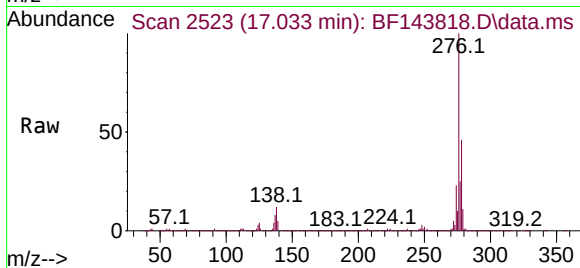
Tgt Ion:276 Resp: 1231964

Ion Ratio Lower Upper

276 100

138 13.4 10.6 15.8

277 25.6 20.7 31.1



#88

Benzo(b)fluoranthene

Concen: 67.687 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

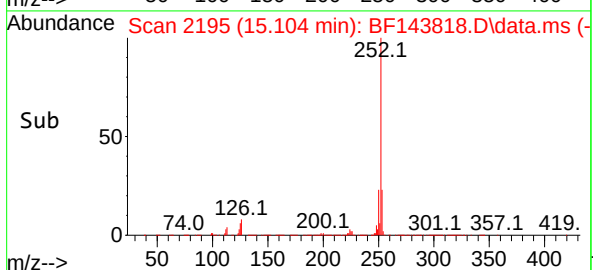
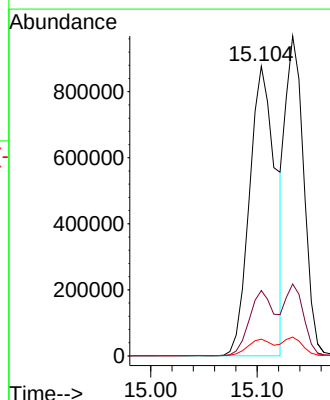
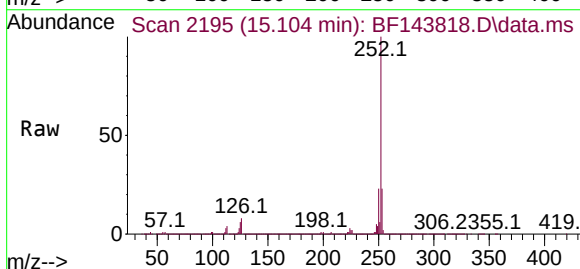
Tgt Ion:252 Resp: 1498147

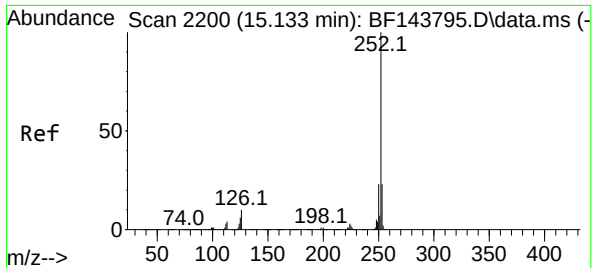
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 5.8 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 51.691 ng

RT: 15.133 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

Instrument :

BNA_F

ClientSampleId :

EME-TS14-01MSD

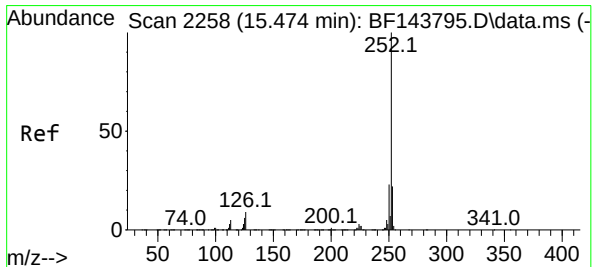
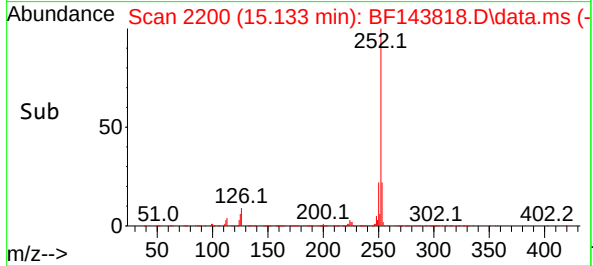
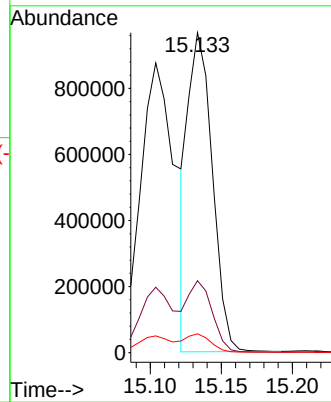
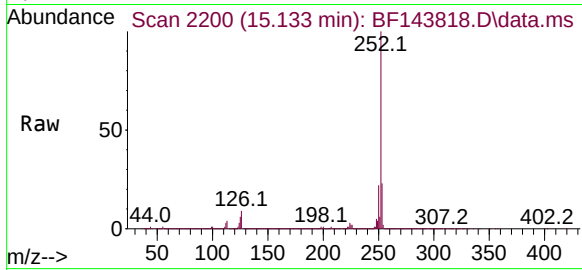
Tgt Ion:252 Resp: 1149445

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 5.9 4.6 6.8



#90

Benzo(a)pyrene

Concen: 56.101 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF143818.D

Acq: 25 Sep 2025 22:20

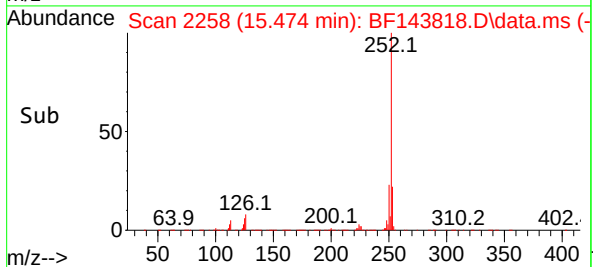
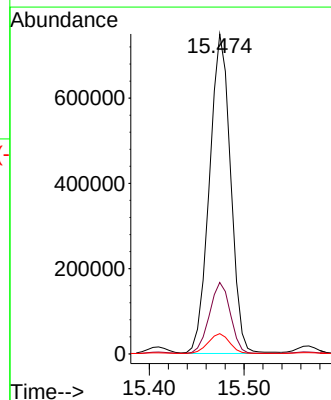
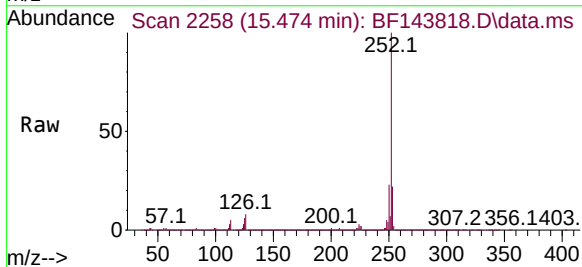
Tgt Ion:252 Resp: 1167187

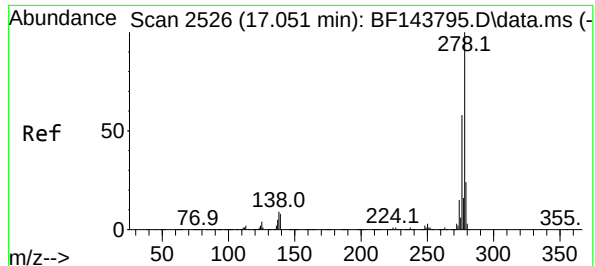
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 6.3 5.0 7.4

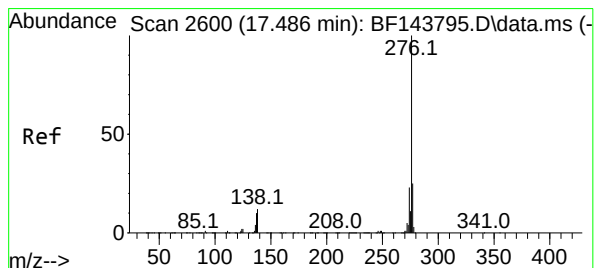
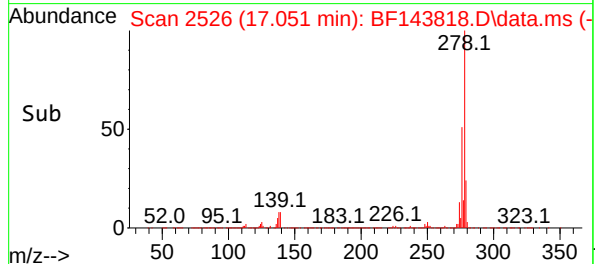
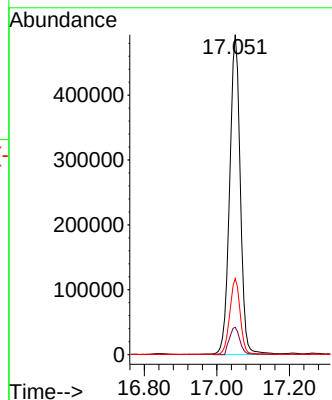
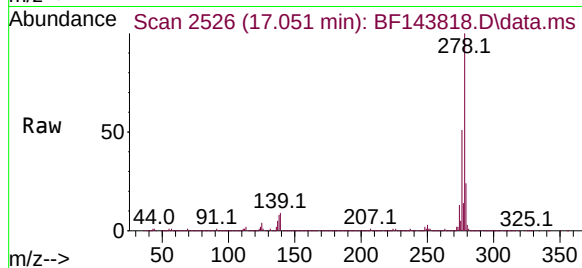




#91
Dibenzo(a,h)anthracene
Concen: 37.157 ng
RT: 17.051 min Scan# 2526
Delta R.T. -0.017 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

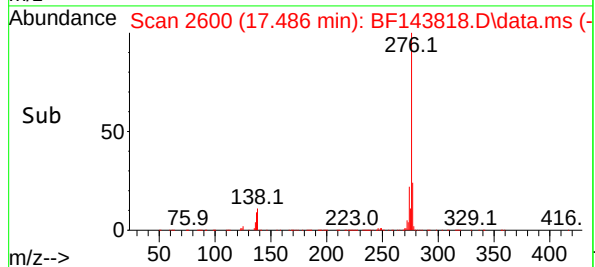
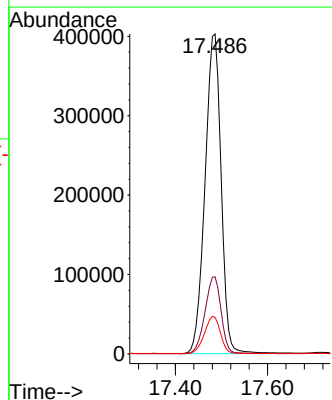
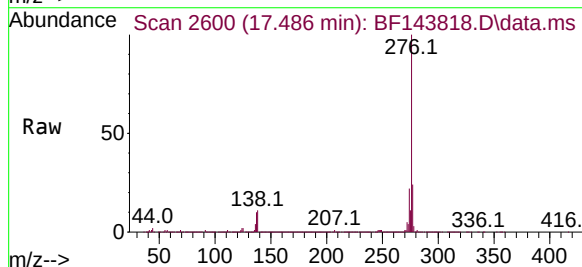
Instrument :
BNA_F
ClientSampleId :
EME-TS14-01MSD

Tgt Ion:278 Resp: 1002210
Ion Ratio Lower Upper
278 100
139 8.5 6.7 10.1
279 23.8 19.3 28.9



#92
Benzo(g,h,i)perylene
Concen: 37.385 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.017 min
Lab File: BF143818.D
Acq: 25 Sep 2025 22:20

Tgt Ion:276 Resp: 972031
Ion Ratio Lower Upper
276 100
277 24.1 19.6 29.4
138 11.4 9.2 13.8



Manual Integration Report

Sequence:	BF092325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC020	BF143794.D	Phenol	Rahul	9/24/2025 8:52:43 AM	Jagrut	9/24/2025 9:38:18 AM	Peak Integrated by Software
SSTDICCC040	BF143795.D	Phenol	Rahul	9/24/2025 8:52:46 AM	Jagrut	9/24/2025 9:38:20 AM	Peak Integrated by Software
SSTDICC050	BF143796.D	Phenol	Rahul	9/24/2025 8:52:48 AM	Jagrut	9/24/2025 9:38:23 AM	Peak Integrated by Software
SSTDICC060	BF143797.D	Phenol	Rahul	9/24/2025 8:52:51 AM	Jagrut	9/24/2025 9:38:25 AM	Peak Integrated by Software
SSTDICC080	BF143798.D	Phenol	Rahul	9/24/2025 8:52:54 AM	Jagrut	9/24/2025 9:38:28 AM	Peak Integrated by Software
SSTDICV040	BF143799.D	Phenol	Rahul	9/24/2025 8:52:56 AM	Jagrut	9/24/2025 9:38:31 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF092525

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143802.D	Phenol	Rahul	9/26/2025 9:06:37 AM	Jagrut	9/26/2025 11:07:45 AM	Peak Integrated by Software
PB169827BS	BF143804.D	Benzoic acid	Rahul	9/26/2025 9:06:40 AM	Jagrut	9/26/2025 11:07:47 AM	Peak Integrated by Software
PB169827BS	BF143804.D	Caprolactam	Rahul	9/26/2025 9:06:40 AM	Jagrut	9/26/2025 11:07:47 AM	Peak Integrated by Software
PB169827BS	BF143804.D	Phenol	Rahul	9/26/2025 9:06:40 AM	Jagrut	9/26/2025 11:07:47 AM	Peak Integrated by Software

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF092325

Review By	Rahul	Review On	9/24/2025 8:53:16 AM
Supervise By	Jagrut	Supervise On	9/24/2025 9:38:53 AM
SubDirectory	BF092325	HP Acquire Method	BNA_F
		HP Processing Method	bf092325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13175,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143790.D	23 Sep 2025 09:31	RC/JU	Ok
2	SSTDICC2.5	BF143791.D	23 Sep 2025 10:28	RC/JU	Ok
3	SSTDICC005	BF143792.D	23 Sep 2025 10:58	RC/JU	Ok
4	SSTDICC010	BF143793.D	23 Sep 2025 11:57	RC/JU	Ok
5	SSTDICC020	BF143794.D	23 Sep 2025 12:27	RC/JU	Ok,M
6	SSTDICCC040	BF143795.D	23 Sep 2025 13:59	RC/JU	Ok,M
7	SSTDICC050	BF143796.D	23 Sep 2025 14:28	RC/JU	Ok,M
8	SSTDICC060	BF143797.D	23 Sep 2025 14:58	RC/JU	Ok,M
9	SSTDICC080	BF143798.D	23 Sep 2025 15:27	RC/JU	Ok,M
10	SSTDICV040	BF143799.D	23 Sep 2025 17:42	RC/JU	Ok,M
11	PB169751BL	BF143800.D	23 Sep 2025 18:11	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF092525

Review By	Rahul	Review On	9/26/2025 9:07:30 AM
Supervise By	Jagrut	Supervise On	9/26/2025 11:08:21 AM
SubDirectory	BF092525	HP Acquire Method	BNA_F
		HP Processing Method	bf092325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13175,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143801.D	25 Sep 2025 12:03	RC/JU	Ok
2	SSTDCCC040	BF143802.D	25 Sep 2025 13:06	RC/JU	Ok,M
3	PB169827BL	BF143803.D	25 Sep 2025 13:46	RC/JU	Ok
4	PB169827BS	BF143804.D	25 Sep 2025 14:16	RC/JU	Ok,M
5	Q3189-01	BF143805.D	25 Sep 2025 15:51	RC/JU	Ok,M
6	Q3188-02	BF143806.D	25 Sep 2025 16:21	RC/JU	Dilution
7	Q3187-01	BF143807.D	25 Sep 2025 16:51	RC/JU	Ok,M
8	Q3188-01	BF143808.D	25 Sep 2025 17:21	RC/JU	Ok
9	Q3188-02DL	BF143809.D	25 Sep 2025 17:51	RC/JU	Ok,M
10	Q3183-01	BF143810.D	25 Sep 2025 18:21	RC/JU	Ok,M
11	Q3183-04	BF143811.D	25 Sep 2025 18:51	RC/JU	Ok,M
12	Q3183-07	BF143812.D	25 Sep 2025 19:21	RC/JU	Ok,M
13	Q3176-01	BF143813.D	25 Sep 2025 19:51	RC/JU	Ok,M
14	Q3176-02	BF143814.D	25 Sep 2025 20:21	RC/JU	Ok
15	Q3176-03	BF143815.D	25 Sep 2025 20:51	RC/JU	Ok
16	Q3178-01	BF143816.D	25 Sep 2025 21:21	RC/JU	Ok
17	Q3178-02MS	BF143817.D	25 Sep 2025 21:50	RC/JU	Ok
18	Q3178-03MSD	BF143818.D	25 Sep 2025 22:20	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF092325

Review By	Rahul	Review On	9/24/2025 8:53:16 AM
Supervise By	Jagrut	Supervise On	9/24/2025 9:38:53 AM
SubDirectory	BF092325	HP Acquire Method	BNA_F
		HP Processing Method	bf092325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13175,10ul/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	BF143790.D	23 Sep 2025 09:31		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143791.D	23 Sep 2025 10:28		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143792.D	23 Sep 2025 10:58		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF143793.D	23 Sep 2025 11:57		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF143794.D	23 Sep 2025 12:27		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF143795.D	23 Sep 2025 13:59	Compound #26,57 kept on LR & #54,65 kept on QR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF143796.D	23 Sep 2025 14:28		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF143797.D	23 Sep 2025 14:58		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF143798.D	23 Sep 2025 15:27		RC/JU	Ok,M
10	SSTDICV040	ICVBF092325	BF143799.D	23 Sep 2025 17:42		RC/JU	Ok,M
11	PB169751BL	PB169751BL	BF143800.D	23 Sep 2025 18:11		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF092525

Review By	Rahul	Review On	9/26/2025 9:07:30 AM
Supervise By	Jagrut	Supervise On	9/26/2025 11:08:21 AM
SubDirectory	BF092525	HP Acquire Method	BNA_F
		HP Processing Method	bf092325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13175,10ul/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	BF143801.D	25 Sep 2025 12:03		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143802.D	25 Sep 2025 13:06		RC/JU	Ok,M
3	PB169827BL	PB169827BL	BF143803.D	25 Sep 2025 13:46	Double internal standard added.	RC/JU	Ok
4	PB169827BS	PB169827BS	BF143804.D	25 Sep 2025 14:16		RC/JU	Ok,M
5	Q3189-01	72-11989	BF143805.D	25 Sep 2025 15:51		RC/JU	Ok,M
6	Q3188-02	RB22120	BF143806.D	25 Sep 2025 16:21	Need 10X dilution	RC/JU	Dilution
7	Q3187-01	228	BF143807.D	25 Sep 2025 16:51		RC/JU	Ok,M
8	Q3188-01	4135	BF143808.D	25 Sep 2025 17:21		RC/JU	Ok
9	Q3188-02DL	RB22120DL	BF143809.D	25 Sep 2025 17:51		RC/JU	Ok,M
10	Q3183-01	WC-1	BF143810.D	25 Sep 2025 18:21		RC/JU	Ok,M
11	Q3183-04	WC-4	BF143811.D	25 Sep 2025 18:51		RC/JU	Ok,M
12	Q3183-07	WC-3	BF143812.D	25 Sep 2025 19:21		RC/JU	Ok,M
13	Q3176-01	EME-TS12-01	BF143813.D	25 Sep 2025 19:51		RC/JU	Ok,M
14	Q3176-02	EME-TS13-01	BF143814.D	25 Sep 2025 20:21		RC/JU	Ok
15	Q3176-03	EME-TS14-02	BF143815.D	25 Sep 2025 20:51		RC/JU	Ok
16	Q3178-01	EME-TS14-01	BF143816.D	25 Sep 2025 21:21	Double Internal Standard Added by Mistake.	RC/JU	Ok
17	Q3178-02MS	EME-TS14-01MS	BF143817.D	25 Sep 2025 21:50		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF092525

Review By	Rahul	Review On	9/26/2025 9:07:30 AM		
Supervise By	Jagrut	Supervise On	9/26/2025 11:08:21 AM		
SubDirectory	BF092525	HP Acquire Method	BNA_F	HP Processing Method	bf092325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13175,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3178-03MSD	EME-TS14-01MSD	BF143818.D	25 Sep 2025 22:20		RC/JU	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 09/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137296

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
Q3170-01	MOD-25-0271	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q3170-02	MOD-25-0271	2	1.00	1.00	2.00	2.00	100.0	oil sample
Q3176-01	EME-TS12-01	3	1.15	10.61	11.76	8.16	66.1	
Q3176-02	EME-TS13-01	4	1.18	10.37	11.55	8.27	68.4	
Q3176-03	EME-TS14-02	5	1.13	10.35	11.48	8.37	70.0	
Q3178-01	EME-TS14-01	6	1.13	10.74	11.87	8.8	71.4	
Q3178-02	EME-TS14-01MS	7	1.13	10.74	11.87	8.8	71.4	
Q3178-03	EME-TS14-01MSD	8	1.13	10.74	11.87	8.8	71.4	
Q3183-01	WC-1	9	1.18	10.41	11.59	10.09	85.6	
Q3183-02	WC-1-EPH	10	1.19	10.43	11.62	10.19	86.3	
Q3183-03	WC-1-VOC	11	1.13	10.60	11.73	10.55	88.9	
Q3183-04	WC-4	12	1.19	10.56	11.75	10.6	89.1	
Q3183-05	WC-4-EPH	13	1.19	10.49	11.68	9.77	81.8	
Q3183-06	WC-4-VOC	14	1.18	10.63	11.81	10.42	86.9	
Q3183-07	WC-3	15	1.13	10.42	11.55	9.8	83.2	
Q3183-08	WC-3-EPH	16	1.13	10.49	11.62	9.79	82.6	
Q3183-09	WC-3-VOC	17	1.19	10.55	11.74	10.96	92.6	
Q3185-01	Y2404-0048-1-1	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-02	Y2404-0048-1-2	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-03	KMH392P-1-1	20	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-04	KMH392P-1-2	21	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-05	EFB430R-1-1	22	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-06	EFB430R-1-2	23	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-07	4125-A	24	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-08	4125-B	25	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-09	4125-C	26	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-10	4125-D	27	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-11	4125-E	28	1.00	1.00	2.00	2.00	100.0	PILC



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/25/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 09/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137296

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
Q3185-12	4126-A	29	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-13	4126-B	30	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-14	4126-C	31	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-15	4126-D	32	1.00	1.00	2.00	2.00	100.0	PILC
Q3185-16	4126-E	33	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-01	Y2404-0043-1-1	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-02	Y2404-0043-1-2	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-03	KMA695Y-1-1	36	1.00	1.00	2.00	2.00	100.0	PILC
Q3186-04	KMA695Y-1-2	37	1.00	1.00	2.00	2.00	100.0	PILC
Q3187-01	228	38	1.19	10.67	11.86	10.96	91.6	
Q3187-02	228-E2	39	1.14	10.49	11.63	10.32	87.5	
Q3188-01	4135	40	1.00	1.00	2.00	2.00	100.0	debris
Q3188-02	RB22120	41	1.18	10.32	11.5	10.88	94.0	
Q3188-03	RB22120	42	1.16	10.60	11.76	10.92	92.1	
Q3189-01	72-11989	43	1.15	10.84	11.99	11.33	93.9	
Q3189-02	72-11989-E2	44	1.11	10.67	11.78	11.44	96.8	
Q3191-01	459	45	1.00	1.00	2.00	2.00	100.0	oil sample
Q3192-01	RB104	46	1.15	10.91	12.06	11.49	94.8	
Q3192-02	RB105	47	1.13	10.80	11.93	11.26	93.8	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

137296

WorkList Name : %1-092425

WorkList ID : 192050

Department : Wet-Chemistry

Date : 09-24-2025 13:11:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3170-01	MOD-25-0271	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/23/2025	Chemtech -SO
Q3170-02	MOD-25-0271	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/23/2025	Chemtech -SO
Q3176-01	EME-TS12-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	J43	09/23/2025	Chemtech -SO
Q3176-02	EME-TS13-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	J43	09/23/2025	Chemtech -SO
Q3176-03	EME-TS14-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	J43	09/23/2025	Chemtech -SO
Q3178-01	EME-TS14-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	J33	09/23/2025	Chemtech -SO
Q3178-02	EME-TS14-01MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	J33	09/23/2025	Chemtech -SO
Q3178-03	EME-TS14-01MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	J33	09/23/2025	Chemtech -SO
Q3183-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-04	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-05	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-06	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-07	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-08	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3183-09	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	J32	09/24/2025	Chemtech -SO
Q3185-01	Y2404-0048-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-02	Y2404-0048-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-03	KMH392P-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-04	KMH392P-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO

Date/Time 09/24/25 15:25

Raw Sample Received by: SP awg

Raw Sample Relinquished by: ch

Date/Time

09/24/25

Raw Sample Received by:

SP awg

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VP137296

WorkList Name : %1-092425 WorkList ID : 192050 Department : Wet-Chemistry Date : 09-24-2025 13:11:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3185-05	EFB430R-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-06	EFB430R-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-07	4125-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-08	4125-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-09	4125-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-10	4125-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-11	4125-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-12	4126-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-13	4126-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-14	4126-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-15	4126-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3185-16	4126-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/24/2025	Chemtech -SO
Q3186-01	Y2404-0043-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3186-02	Y2404-0043-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3186-03	KMA695Y-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3186-04	KMA695Y-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J42	09/24/2025	Chemtech -SO
Q3187-01	228	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/24/2025	Chemtech -SO
Q3187-02	228-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	J11	09/24/2025	Chemtech -SO
Q3188-01	4135	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/24/2025	Chemtech -SO
Q3188-02	RB22120	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/24/2025	Chemtech -SO
Q3188-03	RB22120	Solid	Percent Solids	Cool 4 deg C	PSEG03	J12	09/24/2025	Chemtech -SO

Date/Time 09/24/25 15:25
Raw Sample Received by: SPWY
Raw Sample Relinquished by: CFS

Date/Time 09/24/25 17:35
Raw Sample Received by: CFS
Raw Sample Relinquished by: JAC

WORKLIST(Hardcopy Internal Chain)

✓ 137296

WorkList Name : %1-092425

WorkList ID : 192050

Department : Wet-Chemistry

Date : 09-24-2025 13:11:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3189-01	72-11989	Solid	Percent Solids	Cool 4 deg C	PSEG03		09/24/2025	Chemtech -SO
Q3189-02	72-11989-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I63	09/24/2025	Chemtech -SO
Q3191-01	459	Solid	Percent Solids	Cool 4 deg C	PSEG03	J41	09/25/2025	Chemtech -SO
Q3192-01	RB104	Solid	Percent Solids	Cool 4 deg C	GENV01	J13	09/24/2025	Chemtech -SO
Q3192-02	RB105	Solid	Percent Solids	Cool 4 deg C	GENV01	J13	09/24/2025	Chemtech -SO

Date/Time 09/24/25 15:23
 Raw Sample Received by: SB WVC
 Raw Sample Relinquished by: CR sm

Date/Time 09/24/25 17:35
 Raw Sample Received by: CR sm
 Raw Sample Relinquished by: SB WVC

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: N/A

Matrix: Solid

Weight By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 09/25/2025

Extraction Start Time: 09:25

Extraction End Date: 09/25/2025

Extraction End Time: 12:40

Concentration By: EH

Supervisor By: ritesh

Extraction Method: ☐ Separatory Funnel ☐ Continuous 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	EP2639
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443. Q3188-01 used Limited volume as sample is Oily Debris.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
9/25/25	RJ C Ekt - (Lab)	Rcb vob
12:45	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 09/25/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169827BL	SBLK827	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB169827BS	SLCS827	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q3176-01	EME-TS12-01	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	F		3
Q3176-02	EME-TS13-01	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	F		4
Q3176-03	EME-TS14-02	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	F		5
Q3178-01	EME-TS14-01	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	F		6
Q3178-02	EME-TS14-01MS	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	F		U2-1
Q3178-03	EME-TS14-01MSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	F		2
Q3183-01	WC-1	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		3
Q3183-04	WC-4	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		4
Q3183-07	WC-3	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	E		5
Q3187-01	228	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E	Small Particles + Soil	6
Q3188-01	4135	SVOC-TCL BNA -20	5.03	N/A	ritesh	Evelyn	1	E	Oily Debris	U3-1
Q3188-02	RB22120	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		2
Q3189-01	72-11989	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		3

RJ
9/25

1698274
9/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3176 WorkList ID : 192070 Department : Extraction Date : 09-25-2025 09:03:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3176-01	EME-TS12-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	J43	09/23/2025	8270E
Q3176-02	EME-TS13-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	J43	09/23/2025	8270E
Q3176-03	EME-TS14-02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	J43	09/23/2025	8270E
Q3178-01	EME-TS14-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	J33	09/23/2025	8270E
Q3178-02	EME-TS14-01MS	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	J33	09/23/2025	8270E
Q3178-03	EME-TS14-01MSD	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	J33	09/23/2025	8270E
Q3183-01	WC-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	J32	09/24/2025	8270E
Q3183-04	WC-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	J32	09/24/2025	8270E
Q3183-07	WC-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	J32	09/24/2025	8270E
Q3187-01	228	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	J11	09/24/2025	8270E
Q3188-01	4135	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	J12	09/24/2025	8270E
Q3188-02	RB22120	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	J12	09/24/2025	8270E
Q3189-01	72-11989	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03		09/24/2025	8270E

Date/Time 9/25/25 9:20
Raw Sample Received by: RS CETA-1ab
Raw Sample Relinquished by: CP

Date/Time 9/25/25 9:40
Raw Sample Received by: CP
Raw Sample Relinquished by: RS CETA-1ab

Prep Standard - Chemical Standard Summary

Order ID : Q3178
Test : SVOC-TCL BNA -20

Prepbatch ID : PB169827,
Sequence ID/Qc Batch ID: BF092525,

Standard ID :
EP2639,EP2641,SP6757,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6865,SP6866,SP6871,SP6872,

Chemical ID :
10ul/1000ul
sample,E3875,E3904,E3932,E3951,E3954,E3965,E3972,E3973,S 11073,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,S13207,S13214,S13233,S13239,S13240,S13241,S13242,S13243,S13244,S13269,



<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	EP2639	09/12/2025	01/28/2026	Riteshkumar Patel	Extraction_SC ALE_2	None	Evelyn Huang 09/12/2025

~~(EX-SC-2)~~

<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

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>
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay
								04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

<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

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>
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

<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

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>
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

<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

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>
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

<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

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>
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

<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

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>
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

<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,	SP6871	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel
(8270/625/CLP) 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								

<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
<u>FROM</u> 0.01000ml of S13175 + 0.60000ml of E3973 + 0.40000ml of SP6871 = Final Quantity: 1.010 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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 / RUPESH	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

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

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	A0200655	02/25/2026	08/25/2025 / Jagrut	11/21/2023 / rahul	S11808

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

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	A0206381	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12221

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]

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

[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	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]

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	S12558

[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	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

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	S12903

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

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	S13092

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

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	S13118

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, CH ₂ Cl ₂ , 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

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	03/15/2026	09/15/2025 / rahul	06/02/2025 / anahy	S13175

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]



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

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:

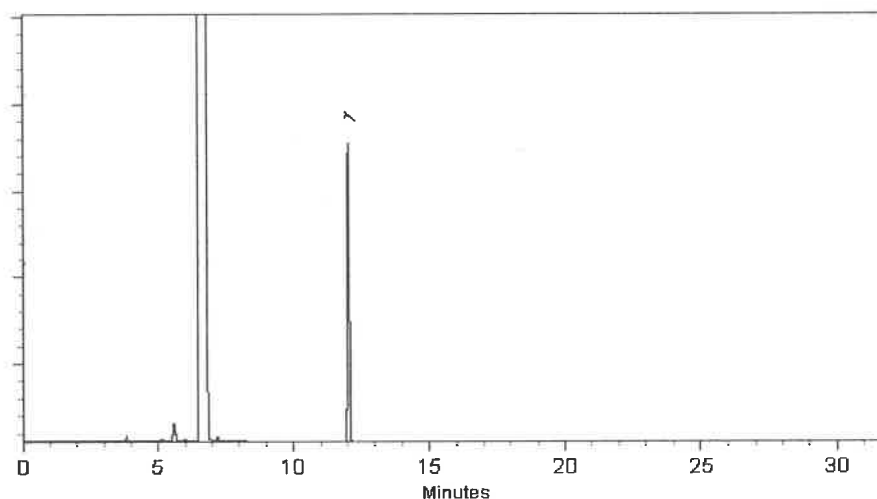
200°C

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

Avantor Performance Materials LLC



**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

Avantor Performance Materials LLC



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 ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μ eq/g)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 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

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

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™



Material No.: 9266-A4

Batch No.: 25C1262005

Manufactured Date: 2025-01-15

Expiration Date: 2026-04-16

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 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

E 3973

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC



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

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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Fax: 1-814-353-1309

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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. : 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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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. : 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:

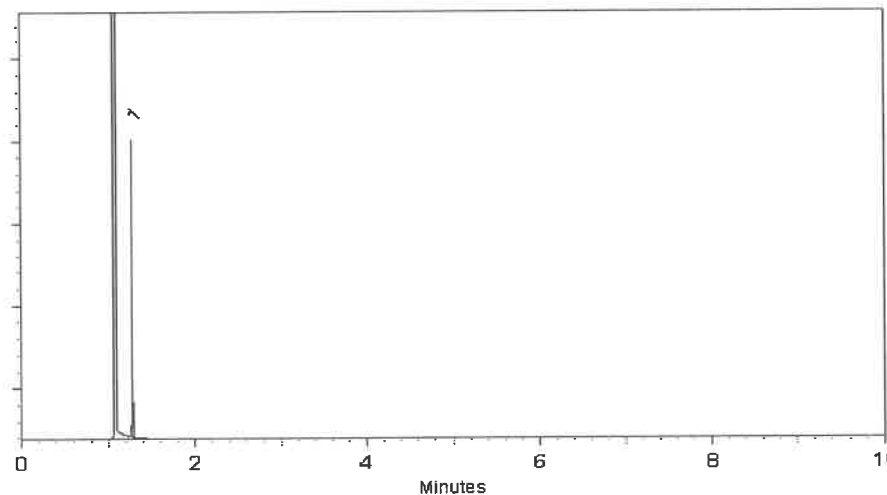
FID

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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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. : 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/
↓ } 03/18/24
512206 }

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:

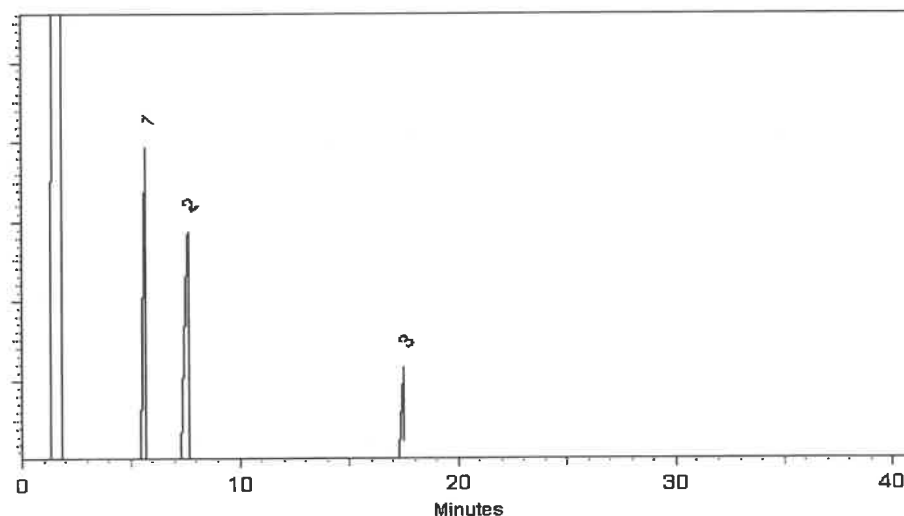
FID

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 S. 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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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. : 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:

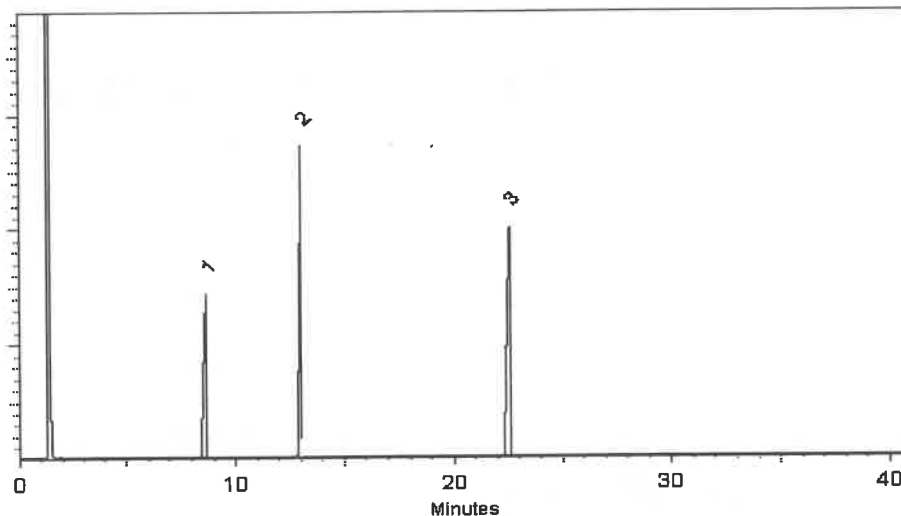
FID

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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Tel: 1-814-353-1300
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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. : 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:

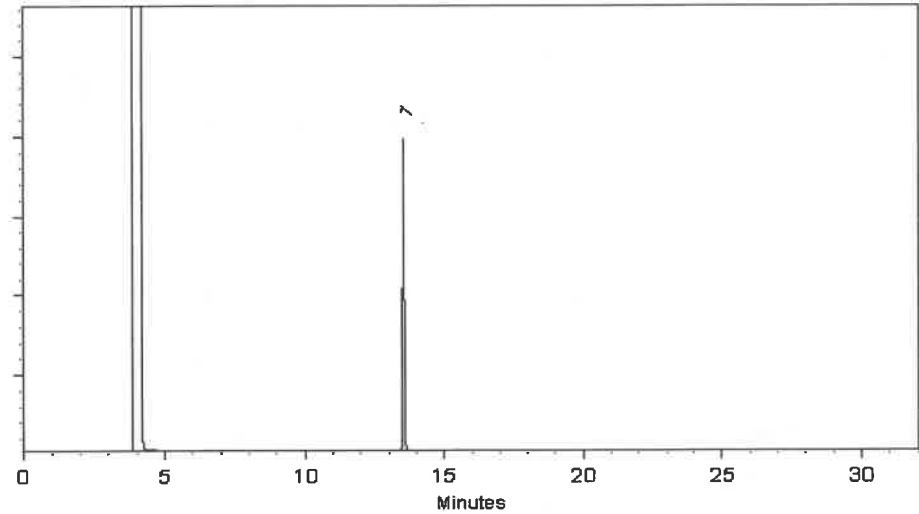
FID

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
Registered Quality System
Certificate #FM 80397



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. : 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:

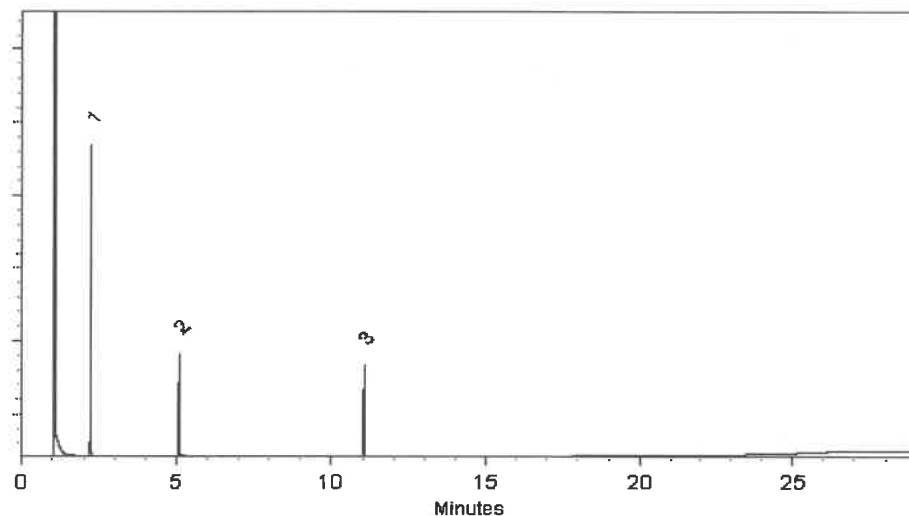
FID

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

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:

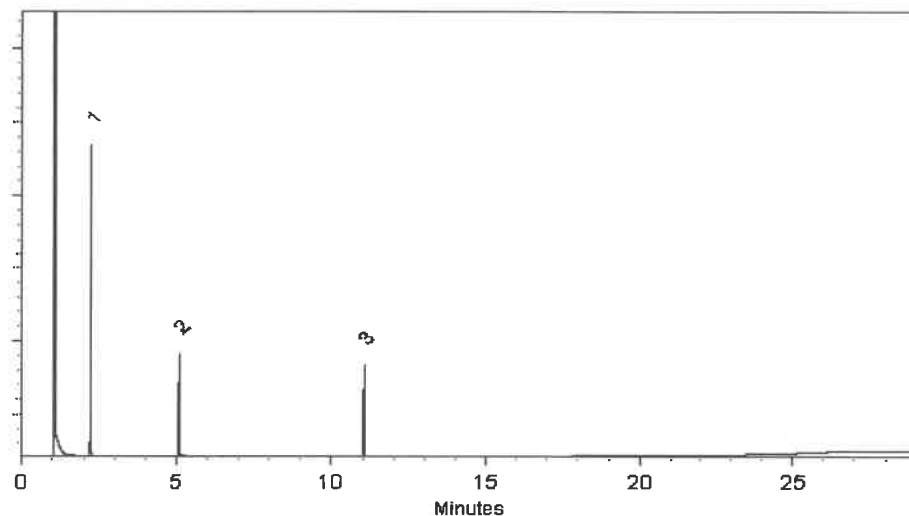
FID

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
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Certificate #FM 80397



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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. : 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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Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } 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.



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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. : 31615 **Lot No.:** A0212955
Description : GC/MS Tuning Mixture
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2027 **Storage:** 10°C or colder
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577
↓
S12579 } RC
8/2/24

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

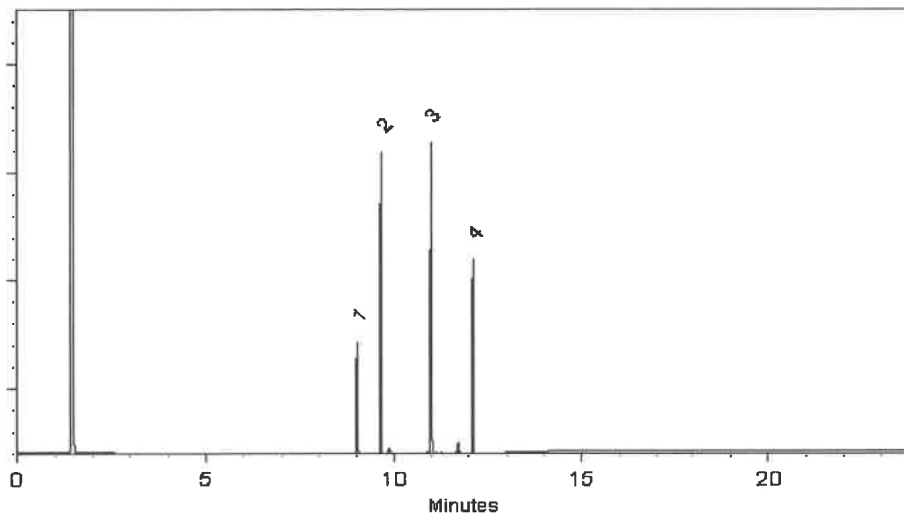
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl

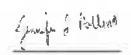


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Certificate of Analysis

chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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**

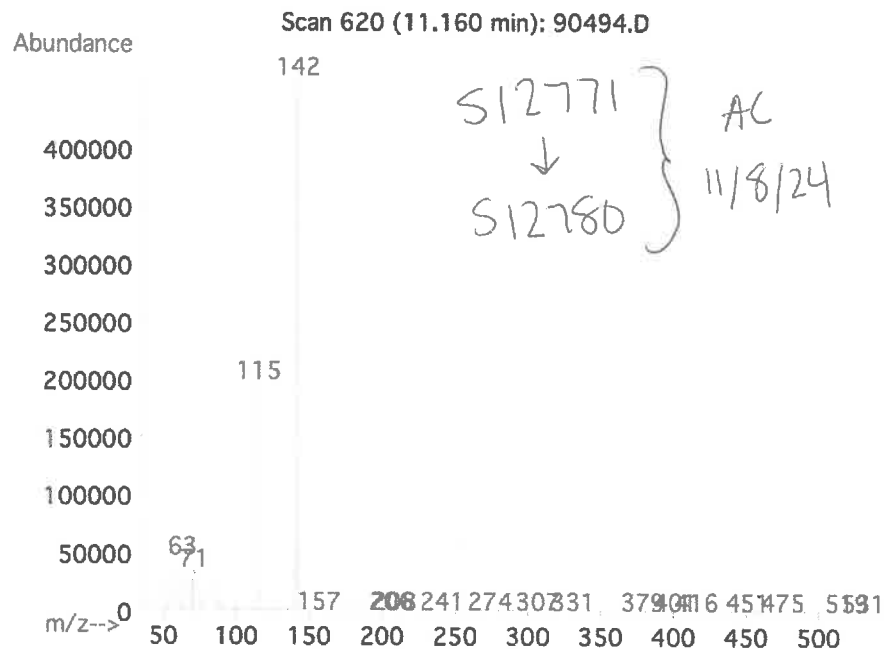
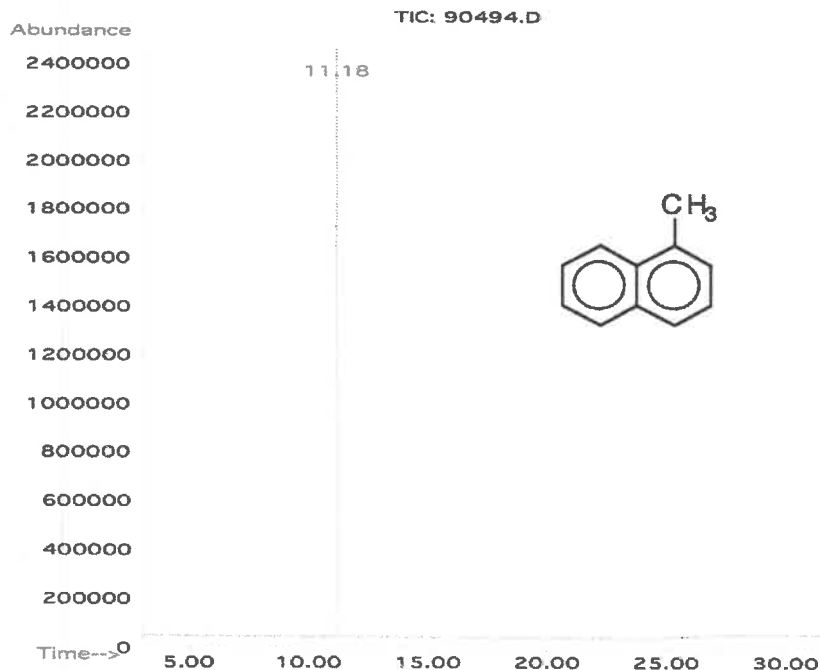
Weight(s) shown below were combined and diluted to (mL): **100.0**

5E-05 Balance Uncertainty
0.031 Flask Uncertainty

<i>Prashant Chauhan</i>		061323
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		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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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 } 24
5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

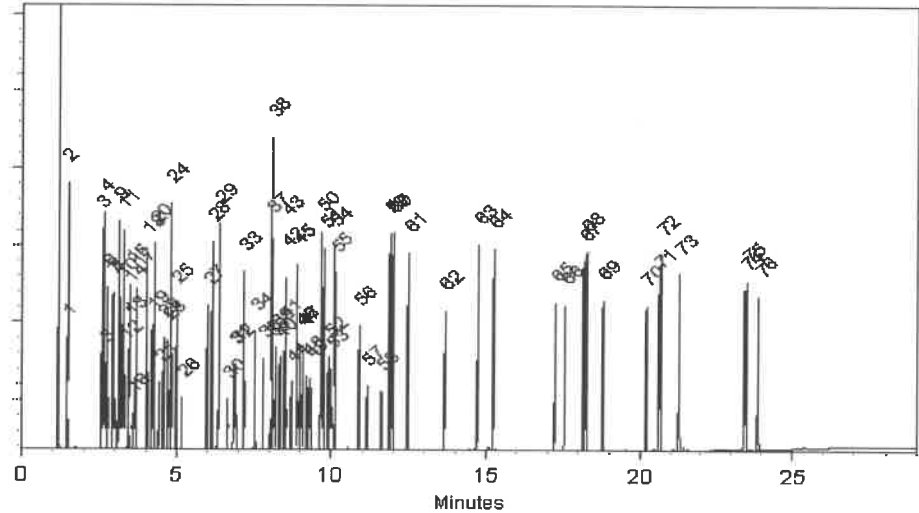
FID

Split Vent:

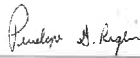
100 ml/min.

Inj. Vol

1µl

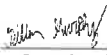


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025

Balance Serial # 1128360905


Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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:

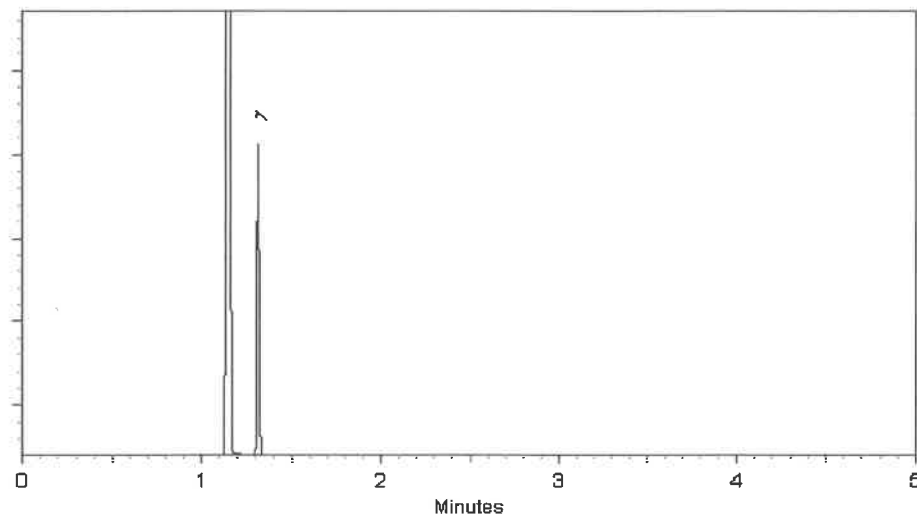
FID

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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Certificate #FM 80397



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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. : 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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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. : 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

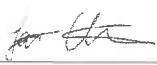
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

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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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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:

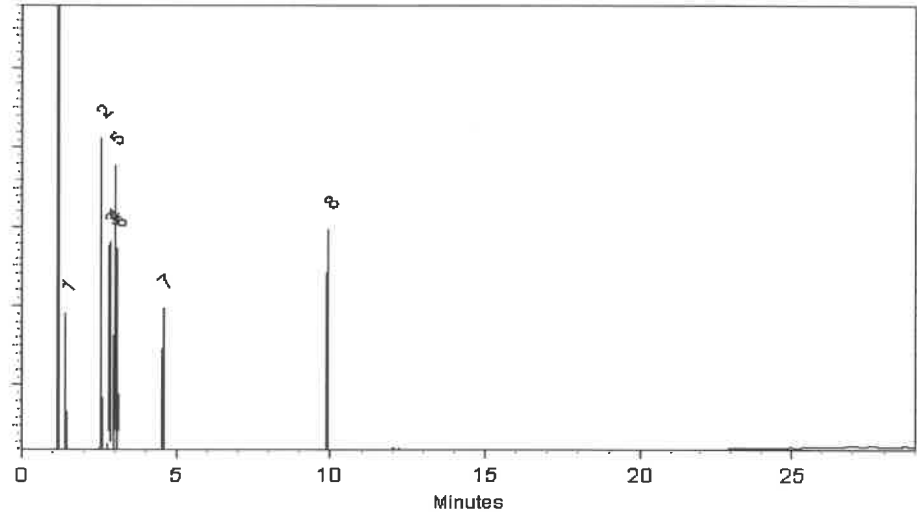
FID

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: *William Murphy* at 10:51 pm, Jul 30, 2025

**Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397**



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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



110 Benner Circle
Bellefonte, PA 16823-8812
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Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 Lot No.: 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



110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** 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 } RC
↓
513157 } 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

USEPA

DateShipped: 9/23/2025

CarrierName: Hand-Delivered

AirbillNo:

CHAIN OF CUSTODY RECORD

Case #:

Contact Name: Leticia Campiglia

Contact Phone: 732-570-4993

No: 2-092325-0004-0049-02

Cooler #: 2 of 2

Lab: Alliance Technical Group LLC (non-CLP)

Lab Phone: 908-789-8900

Lab #	Sample #	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
7	EME-TS14-01	TAL VOCs,	Soil	9/23/2025	12:45	9	5 g Encore sampler	4 C	Y
6	EME-TS14-01	EPH	Soil	9/23/2025	12:45	2	4 oz glass jar	4 C	Y
8	EME-TS14-01	SPLP VOCs	Soil	9/23/2025	12:45	9	5 g Encore sampler	4 C	Y
8	EME-TS14-01	SPLP SVOCs, Pesticides, PCBs	Soil	9/23/2025	12:45	4	8 oz amber glass jar	4 C	Y
5	EME-TS14-01	SPLP EPH	Soil	9/23/2025	12:45	2	4 oz glass jar	4 C	Y
5	EME-TS14-01	TAL Metals + Hg and Cn	Soil	9/23/2025	12:45	2	8 oz clear glass jar	4 C	Y
	EME-TS14-01	SPLP Metals + Hg and Cn	Soil	9/23/2025	12:45	2	8 oz clear glass jar	4 C	Y
	EME-TS14-01	Percent Moisture	Soil	9/23/2025	12:45	2	4 oz jar w/ septum	4 C	Y
	EME-TS14-01	TAL SVOCs, PCBs, Pesticides	Soil	9/23/2025	12:45	4	8 oz amber glass jar	4 C	Y
									

9/23/25

Special Instructions: RFP # 916. Please email results to leticia.campiglia@westonsolutions.com, smita.sumbaly@westonsolutions.com, ronan.clynch@westonsolutions.com and michael.lang@westonsolutions.com.
7 day preliminary TAT.

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	 / START VI Weston	9/23/25 1700		9-23-25 1700	1.3°C In situ #1 Outcrop scale intact Temp. Btl. present

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

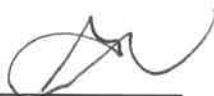
LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3178	ROYF02	Order Date : 9/24/2025 10:59:00 AM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 916	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 9/23/2025 5:00:00 PM	EDD Type : Equis Region2(MEDD)
Invoice Name : Weston Solutions, Inc.		Purchase Order :	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
Q3178-01	EME-TS14-01	Solid	09/23/2025	12:45					
					VOC-TCLVOA-10		8260D	5 Bus. Days	
Q3178-02	EME-TS14-01MS	Solid	09/23/2025	12:45					
					VOC-TCLVOA-10		8260D	5 Bus. Days	
Q3178-03	EME-TS14-01MSD	Solid	09/23/2025	12:45					
					VOC-TCLVOA-10		8260D	5 Bus. Days	

Relinquished By :

Date / Time :


9/24/25 1150

Received By :

Date / Time :


09/24/25

Storage Area : VOA Refridgerator Room

11:58