

**DATA PACKAGE
SEMI-VOLATILE ORGANICS**

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

**AECOM
605 3rd Avenue
29th Floor
New York, NY - 10158
Phone No: 212-973-2900**

**ORDER ID : Q3393
ATTENTION : Rob Forstner**



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3393

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number

Q3393-01
Q3393-02
Q3393-03
Q3393-04
Q3393-05

Client Sample Number

PR132-S10-000022-20251017
PR132-S10-022047-20251017
PR132-S08-013038-20251017
PR132-S06-000021-20251017
PR132-S08-000013-20251017

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:51 am, Oct 31, 2025

Date: 10/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

AECOM

Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Project # N/A

Order ID # Q3393

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/17/2025.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike for {PB170180BS} with File ID: BF144034.D met requirements for all compounds except for 2,6-Dinitrotoluene[106%], Benzo(g,h,i)perylene[112%] and Indeno(1,2,3-cd)pyrene[112%]. Recovery failed high side, associated samples does not have hit for this compound, therefor no further corrective action was taken.

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

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

The Continuous Calibration File ID BF144032.D met the requirements except for 2,4-Dinitrophenol and Benzo(g,h,i)perylene. Associated samples does not have hit for this compound, Therefor no further corrective action was taken.



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

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.

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_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:53 am, Oct 31, 2025

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

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

ORDER ID: Q3393

MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF100625.M) for 2,4-Dinitrophenol this Compounds is passing on Linear regression. The Continuous Calibration File ID BF144032.D met the requirements except for 2,4- Dinitrophenol and Benzo(g,h,i)perylene. Associated samples does not have hit for this compound, Therefor no further corrective action was taken.		✓	
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.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike for {PB170180BS} with File ID: BF144034.D met requirements for all compounds except for 2,6-Dinitrotoluene[106%], Benzo(g,h,i)perylene[112%] and Indeno(1,2,3-cd)pyrene[112%]. Recovery failed high side , associated samples does not have hit for this compound, therefor no further 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.

REVIEWED

QA REVIEW

By Sohil Jodhani, QA/QC Director at 10:08 am, Oct 31, 2025

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3393

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 10/29/2025

LAB CHRONICLE

OrderID:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3393-02	PR132-S10-022047-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/21/25	
Q3393-03	PR132-S08-013038-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3393-04	PR132-S06-000021-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3393-05	PR132-S08-000013-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	

Hit Summary Sheet SW-846

SDG No.: Q3393
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S10-000022-20251017								
Q3393-01	PR132-S10-000022-2025	SOIL	Phenanthrene	150.000	J	37.3	300	ug/Kg
Q3393-01	PR132-S10-000022-2025	SOIL	Fluoranthene	160.000	J	53.5	300	ug/Kg
			Total Svoc :	310.00				
Q3393-01	PR132-S10-000022-2025	SOIL	Benzophenone	*	210.000	J 0	0	ug/Kg
			Total Tics :	210.00				
			Total Concentration:	520.00				
Client ID : PR132-S10-022047-20251017								
Q3393-02	PR132-S10-022047-2025	SOIL	Benzophenone	*	340.000	J 0	0	ug/Kg
			Total Tics :	340.00				
			Total Concentration:	340.00				
Client ID : PR132-S08-013038-20251017								
Q3393-03	PR132-S08-013038-2025	SOIL	Phenanthrene	190.000	J	39.5	320	ug/Kg
Q3393-03	PR132-S08-013038-2025	SOIL	Fluoranthene	190.000	J	56.7	320	ug/Kg
			Total Svoc :	380.00				
Q3393-03	PR132-S08-013038-2025	SOIL	1-Decene, 4-methyl-	*	150.000	J 0	0	ug/Kg
Q3393-03	PR132-S08-013038-2025	SOIL	Benzophenone	*	240.000	J 0	0	ug/Kg
Q3393-03	PR132-S08-013038-2025	SOIL	Undecane, 2,6-dimethyl-	*	140.000	J 0	0	ug/Kg
			Total Tics :	530.00				
			Total Concentration:	910.00				
Client ID : PR132-S06-000021-20251017								
Q3393-04	PR132-S06-000021-2025	SOIL	Benzophenone	*	300.000	J 0	0	ug/Kg
			Total Tics :	300.00				
			Total Concentration:	300.00				
Client ID : PR132-S08-000013-20251017								
Q3393-05	PR132-S08-000013-2025	SOIL	Acenaphthene	140.000	J	40.9	330	ug/Kg
Q3393-05	PR132-S08-000013-2025	SOIL	Phenanthrene	290.000	J	40.1	330	ug/Kg
Q3393-05	PR132-S08-000013-2025	SOIL	Fluoranthene	190.000	J	57.6	330	ug/Kg
			Total Svoc :	620.00				
Q3393-05	PR132-S08-000013-2025	SOIL	Benzophenone	*	390.000	J 0	0	ug/Kg
Q3393-05	PR132-S08-000013-2025	SOIL	n-Hexadecanoic acid	*	140.000	J 0	0	ug/Kg
			Total Tics :	530.00				
			Total Concentration:	1,150.00				



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3393

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170180BL	PB170180BL	2-Fluorophenol	150	130	86		18	112
		Phenol-d6	150	128	85		15	107
		Nitrobenzene-d5	100	97.5	98		18	107
		2-Fluorobiphenyl	100	86.5	86		20	109
		2,4,6-Tribromophenol	150	136	91		10	116
		Terphenyl-d14	100	102	102		10	105
PB170180BS	PB170180BS	2-Fluorophenol	150	116	78		18	112
		Phenol-d6	150	118	79		15	107
		Nitrobenzene-d5	100	87.1	87		18	107
		2-Fluorobiphenyl	100	79.6	80		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	95.9	96		10	105
Q3393-01	PR132-S10-000022-20251017	2-Fluorophenol	150	43.3	29		18	112
		Phenol-d6	150	40.8	27		15	107
		Nitrobenzene-d5	100	26.2	26		18	107
		2-Fluorobiphenyl	100	26.0	26		20	109
		2,4,6-Tribromophenol	150	36.7	24		10	116
		Terphenyl-d14	100	22.3	22		10	105
Q3393-02	PR132-S10-022047-20251017	2-Fluorophenol	150	65.8	44		18	112
		Phenol-d6	150	63.2	42		15	107
		Nitrobenzene-d5	100	42.8	43		18	107
		2-Fluorobiphenyl	100	34.4	34		20	109
		2,4,6-Tribromophenol	150	44.7	30		10	116
		Terphenyl-d14	100	27.7	28		10	105
Q3393-03	PR132-S08-013038-20251017	2-Fluorophenol	150	63.0	42		18	112
		Phenol-d6	150	59.0	39		15	107
		Nitrobenzene-d5	100	39.4	39		18	107
		2-Fluorobiphenyl	100	36.0	36		20	109
		2,4,6-Tribromophenol	150	41.3	28		10	116
		Terphenyl-d14	100	29.5	29		10	105
Q3393-04	PR132-S06-000021-20251017	2-Fluorophenol	150	68.8	46		18	112
		Phenol-d6	150	64.5	43		15	107
		Nitrobenzene-d5	100	45.2	45		18	107
		2-Fluorobiphenyl	100	38.4	38		20	109
		2,4,6-Tribromophenol	150	51.0	34		10	116
		Terphenyl-d14	100	30.5	30		10	105
Q3393-05	PR132-S08-000013-20251017	2-Fluorophenol	150	77.4	52		18	112
		Phenol-d6	150	75.0	50		15	107
		Nitrobenzene-d5	100	51.3	51		18	107
		2-Fluorobiphenyl	100	44.2	44		20	109
		2,4,6-Tribromophenol	150	64.2	43		10	116
		Terphenyl-d14	100	33.4	33		10	105
Q3402-07MS	41-LBMS	2-Fluorophenol	150	95.0	63		18	112
		Phenol-d6	150	93.4	62		15	107
		Nitrobenzene-d5	100	63.3	63		18	107
		2-Fluorobiphenyl	100	46.5	46		20	109
		2,4,6-Tribromophenol	150	75.3	50		10	116
		Terphenyl-d14	100	33.9	34		10	105
Q3402-07MSD	41-LBMSD	2-Fluorophenol	150	92.9	62		18	112
		Phenol-d6	150	91.9	61		15	107
		Nitrobenzene-d5	100	62.7	63		18	107

Surrogate Summary

SW-846

SDG No.: Q3393

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3402-07MSD	41-LBMSD	2-Fluorobiphenyl	100	43.7	44		20	109
		2,4,6-Tribromophenol	150	75.1	50		10	116
		Terphenyl-d14	100	34.4	34		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3393

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144021.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3402-07MS		Client Sample ID: 41-LBMS									
Benzaldehyde	1500	0	840	ug/Kg	56				10	171	
Phenol	1500	0	1500	ug/Kg	100				51	122	
bis(2-Chloroethyl)ether	1500	0	1500	ug/Kg	100				54	125	
2-Chlorophenol	1500	0	1500	ug/Kg	100				51	121	
2-Methylphenol	1500	0	1400	ug/Kg	93				47	125	
2,2-oxybis(1-Chloropropane)	1500	0	1500	ug/Kg	100				46	119	
Acetophenone	1500	0	1600	ug/Kg	107				55	128	
3+4-Methylphenols	1500	0	1400	ug/Kg	93				49	125	
N-Nitroso-di-n-propylamine	1500	0	1400	ug/Kg	93				59	119	
Hexachloroethane	1500	0	1400	ug/Kg	93				51	116	
Nitrobenzene	1500	0	1500	ug/Kg	100				47	124	
Isophorone	1500	0	1400	ug/Kg	93				49	127	
2-Nitrophenol	1500	0	1700	ug/Kg	113				43	131	
2,4-Dimethylphenol	1500	0	1600	ug/Kg	107				63	151	
bis(2-Chloroethoxy)methane	1500	0	1500	ug/Kg	100				51	119	
2,4-Dichlorophenol	1500	0	1400	ug/Kg	93				50	122	
Naphthalene	1500	0	1500	ug/Kg	100				51	121	
4-Chloroaniline	1500	0	550	ug/Kg	37				10	100	
Hexachlorobutadiene	1500	0	1400	ug/Kg	93				44	126	
Caprolactam	1500	0	1500	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1500	0	1400	ug/Kg	93				57	132	
2-Methylnaphthalene	1500	0	1300	ug/Kg	87				59	123	
Hexachlorocyclopentadiene	3000	0	3200	ug/Kg	107				10	175	
2,4,6-Trichlorophenol	1500	0	1500	ug/Kg	100				33	141	
2,4,5-Trichlorophenol	1500	0	1500	ug/Kg	100				38	135	
1,1-Biphenyl	1500	0	1700	ug/Kg	113				55	131	
2-Chloronaphthalene	1500	0	1600	ug/Kg	107				48	124	
2-Nitroaniline	1500	0	1700	ug/Kg	113				47	134	
Dimethylphthalate	1500	0	1600	ug/Kg	107				54	120	
Acenaphthylene	1500	0	1700	ug/Kg	113				57	125	
2,6-Dinitrotoluene	1500	0	1800	ug/Kg	120				48	127	
3-Nitroaniline	1500	0	1100	ug/Kg	73				10	112	
Acenaphthene	1500	0	1500	ug/Kg	100				70	121	
2,4-Dinitrophenol	3000	0	2300	ug/Kg	77				10	155	
4-Nitrophenol	3000	0	2600	ug/Kg	87				10	175	
Dibenzofuran	1500	0	1500	ug/Kg	100				52	114	
2,4-Dinitrotoluene	1500	0	1700	ug/Kg	113				41	140	
Diethylphthalate	1500	0	1500	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	1500	0	1400	ug/Kg	93				48	122	
Fluorene	1500	0	1500	ug/Kg	100				53	118	
4-Nitroaniline	1500	0	1400	ug/Kg	93				29	140	
4,6-Dinitro-2-methylphenol	1500	0	1700	ug/Kg	113				10	160	
N-Nitrosodiphenylamine	1500	0	1700	ug/Kg	113				73	118	
4-Bromophenyl-phenylether	1500	0	1500	ug/Kg	100				65	121	
Hexachlorobenzene	1500	0	1500	ug/Kg	100				67	118	
Atrazine	1500	0	1600	ug/Kg	107				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3393

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144021.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3000	0	2500	ug/Kg	83				13	153	
Phenanthrene	1500	0	1600	ug/Kg	107				52	128	
Anthracene	1500	0	1600	ug/Kg	107				62	124	
Carbazole	1500	0	1500	ug/Kg	100				59	119	
Di-n-butylphthalate	1500	0	1600	ug/Kg	107				55	125	
Fluoranthene	1500	63.0	1600	ug/Kg	102				44	125	
Pyrene	1500	0	1200	ug/Kg	80				37	122	
Butylbenzylphthalate	1500	0	1500	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1500	0	1400	ug/Kg	93				15	112	
Benzo(a)anthracene	1500	0	1600	ug/Kg	107				53	119	
Chrysene	1500	0	1600	ug/Kg	107				57	121	
bis(2-Ethylhexyl)phthalate	1500	0	1800	ug/Kg	120				42	169	
Di-n-octyl phthalate	1500	0	2100	ug/Kg	140				51	156	
Benzo(b)fluoranthene	1500	0	1500	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1500	0	1400	ug/Kg	93				57	134	
Benzo(a)pyrene	1500	0	1600	ug/Kg	107				70	142	
Indeno(1,2,3-cd)pyrene	1500	0	1500	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1500	0	1500	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	1500	0	1400	ug/Kg	93				24	125	
1,2,4,5-Tetrachlorobenzene	1500	0	1700	ug/Kg	113				52	134	
1,4-Dioxane	1500	0	1400	ug/Kg	93				46	112	
2,3,4,6-Tetrachlorophenol	1500	0	1400	ug/Kg	93				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3393

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144022.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3402-07MSD	Client Sample ID:	41-LBMSD								
Benzaldehyde	1500	0	850	ug/Kg	57		2		10	171	20
Phenol	1500	0	1500	ug/Kg	100		0		51	122	20
bis(2-Chloroethyl)ether	1500	0	1500	ug/Kg	100		0		54	125	20
2-Chlorophenol	1500	0	1500	ug/Kg	100		0		51	121	20
2-Methylphenol	1500	0	1400	ug/Kg	93		0		47	125	20
2,2-oxybis(1-Chloropropane)	1500	0	1400	ug/Kg	93		7		46	119	20
Acetophenone	1500	0	1600	ug/Kg	107		0		55	128	20
3+4-Methylphenols	1500	0	1400	ug/Kg	93		0		49	125	20
N-Nitroso-di-n-propylamine	1500	0	1400	ug/Kg	93		0		59	119	20
Hexachloroethane	1500	0	1500	ug/Kg	100		7		51	116	20
Nitrobenzene	1500	0	1600	ug/Kg	107		7		47	124	20
Isophorone	1500	0	1400	ug/Kg	93		0		49	127	20
2-Nitrophenol	1500	0	1700	ug/Kg	113		0		43	131	20
2,4-Dimethylphenol	1500	0	1600	ug/Kg	107		0		63	151	20
bis(2-Chloroethoxy)methane	1500	0	1500	ug/Kg	100		0		51	119	20
2,4-Dichlorophenol	1500	0	1400	ug/Kg	93		0		50	122	20
Naphthalene	1500	0	1400	ug/Kg	93		7		51	121	20
4-Chloroaniline	1500	0	580	ug/Kg	39		5		10	100	20
Hexachlorobutadiene	1500	0	1400	ug/Kg	93		0		44	126	20
Caprolactam	1500	0	1500	ug/Kg	100		0		51	134	20
4-Chloro-3-methylphenol	1500	0	1400	ug/Kg	93		0		57	132	20
2-Methylnaphthalene	1500	0	1300	ug/Kg	87		0		59	123	20
Hexachlorocyclopentadiene	3000	0	3100	ug/Kg	103		4		10	175	20
2,4,6-Trichlorophenol	1500	0	1500	ug/Kg	100		0		33	141	20
2,4,5-Trichlorophenol	1500	0	1500	ug/Kg	100		0		38	135	20
1,1-Biphenyl	1500	0	1600	ug/Kg	107		5		55	131	20
2-Chloronaphthalene	1500	0	1500	ug/Kg	100		7		48	124	20
2-Nitroaniline	1500	0	1600	ug/Kg	107		5		47	134	20
Dimethylphthalate	1500	0	1500	ug/Kg	100		7		54	120	20
Acenaphthylene	1500	0	1700	ug/Kg	113		0		57	125	20
2,6-Dinitrotoluene	1500	0	1700	ug/Kg	113		6		48	127	20
3-Nitroaniline	1500	0	1100	ug/Kg	73		0		10	112	20
Acenaphthene	1500	0	1500	ug/Kg	100		0		70	121	20
2,4-Dinitrophenol	3000	0	2400	ug/Kg	80		4		10	155	20
4-Nitrophenol	3000	0	2500	ug/Kg	83		5		10	175	20
Dibenzofuran	1500	0	1400	ug/Kg	93		7		52	114	20
2,4-Dinitrotoluene	1500	0	1600	ug/Kg	107		5		41	140	20
Diethylphthalate	1500	0	1400	ug/Kg	93		7		51	119	20
4-Chlorophenyl-phenylether	1500	0	1400	ug/Kg	93		0		48	122	20
Fluorene	1500	0	1400	ug/Kg	93		7		53	118	20
4-Nitroaniline	1500	0	1400	ug/Kg	93		0		29	140	20
4,6-Dinitro-2-methylphenol	1500	0	1800	ug/Kg	120		6		10	160	20
N-Nitrosodiphenylamine	1500	0	1700	ug/Kg	113		0		73	118	20
4-Bromophenyl-phenylether	1500	0	1500	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1500	0	1400	ug/Kg	93		7		67	118	20
Atrazine	1500	0	1600	ug/Kg	107		0		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3393

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144022.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3000	0	2600	ug/Kg	87		5		13	153	20
Phenanthrene	1500	0	1500	ug/Kg	100		7		52	128	20
Anthracene	1500	0	1500	ug/Kg	100		7		62	124	20
Carbazole	1500	0	1500	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	1500	0	1600	ug/Kg	107		0		55	125	20
Fluoranthene	1500	63.0	1500	ug/Kg	96		6		44	125	20
Pyrene	1500	0	1200	ug/Kg	80		0		37	122	20
Butylbenzylphthalate	1500	0	1500	ug/Kg	100		0		44	135	20
3,3-Dichlorobenzidine	1500	0	1400	ug/Kg	93		0		15	112	20
Benzo(a)anthracene	1500	0	1600	ug/Kg	107		0		53	119	20
Chrysene	1500	0	1600	ug/Kg	107		0		57	121	20
bis(2-Ethylhexyl)phthalate	1500	0	1700	ug/Kg	113		6		42	169	20
Di-n-octyl phthalate	1500	0	2000	ug/Kg	133		5		51	156	20
Benzo(b)fluoranthene	1500	0	1500	ug/Kg	100		0		52	117	20
Benzo(k)fluoranthene	1500	0	1400	ug/Kg	93		0		57	134	20
Benzo(a)pyrene	1500	0	1600	ug/Kg	107		0		70	142	20
Indeno(1,2,3-cd)pyrene	1500	0	1500	ug/Kg	100		0		40	129	20
Dibenz(a,h)anthracene	1500	0	1500	ug/Kg	100		0		43	123	20
Benzo(g,h,i)perylene	1500	0	1400	ug/Kg	93		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1500	0	1700	ug/Kg	113		0		52	134	20
1,4-Dioxane	1500	0	1300	ug/Kg	87		7		46	112	20
2,3,4,6-Tetrachlorophenol	1500	0	1400	ug/Kg	93		0		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3393

Analytical Method:

8270E

Client: AECOM

DataFile:

BF144034.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170180BS	Benzaldehyde	1700	880	ug/Kg	52				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	780	ug/Kg	46				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3300	ug/Kg	100				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1800	ug/Kg	106		*		61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				37	128	
	4-Nitrophenol	3300	2600	ug/Kg	79				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q3393</u>	Analytical Method: <u>8270E</u>
Client: <u>AECOM</u>	DataFile: <u>BF144034.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170180BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2400	ug/Kg	73				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1600	ug/Kg	94				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	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1900	ug/Kg	112			*	70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170180BL

Lab Name: Alliance

Contract: AEC002

Lab Code: ACE

SDG NO.: Q3393

Lab File ID: BF144033.D

Lab Sample ID: PB170180BL

Instrument ID: BNA_F

Date Extracted: 10/21/2025

Matrix: (soil/water) SOIL

Date Analyzed: 10/22/2025

Level: (low/med) LOW

Time Analyzed: 10:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170180BS	PB170180BS	BF144034.D	10/22/2025
PR132-S10-000022-20251017	Q3393-01	BF144036.D	10/22/2025
PR132-S08-000013-20251017	Q3393-05	BF144035.D	10/22/2025
PR132-S06-000021-20251017	Q3393-04	BF144037.D	10/22/2025
PR132-S08-013038-20251017	Q3393-03	BF144038.D	10/22/2025
PR132-S10-022047-20251017	Q3393-02	BF144030.D	10/21/2025
41-LBMS	Q3402-07MS	BF144021.D	10/21/2025
41-LBMSD	Q3402-07MSD	BF144022.D	10/21/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: AEC002
SDG NO.: Q3393
DFTPP Injection Date: 10/06/2025
DFTPP Injection Time: 09:30

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

1-Value is % mass 69

2-Value is % mass 442

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

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



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144008.D
Instrument ID: BNA_F

Contract: AECO02
SDG NO.: Q3393
DFTPP Injection Date: 10/21/2025
DFTPP Injection Time: 12:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	85.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 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	BF144009.D	10/21/2025	13:29
41-LBMS	Q3402-07MS	BF144021.D	10/21/2025	19:28
41-LBMSD	Q3402-07MSD	BF144022.D	10/21/2025	19:58
PR132-S10-022047-20251017	Q3393-02	BF144030.D	10/21/2025	23:51



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144031.D
Instrument ID: BNA_F

Contract: AECO02
SDG NO.: Q3393
DFTPP Injection Date: 10/22/2025
DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.5) 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	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.0
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	84.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 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	BF144032.D	10/22/2025	10:25
PB170180BL	PB170180BL	BF144033.D	10/22/2025	10:54
PB170180BS	PB170180BS	BF144034.D	10/22/2025	11:23
PR132-S08-000013-20251017	Q3393-05	BF144035.D	10/22/2025	11:57
PR132-S10-000022-20251017	Q3393-01	BF144036.D	10/22/2025	12:26
PR132-S06-000021-20251017	Q3393-04	BF144037.D	10/22/2025	12:55
PR132-S08-013038-20251017	Q3393-03	BF144038.D	10/22/2025	13:24

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3393

Client ID : SSTDCCC040

Date Analyzed: 10/21/2025

Lab File ID: BF144009.D

Time Analyzed: 13:29

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	126907	6.881	483648	8.16	263342	9.92
UPPER LIMIT	253814	7.381	967296	8.663	526684	10.422
LOWER LIMIT	63453.5	6.381	241824	7.663	131671	9.422
EPA SAMPLE NO.						
01 PR132-S10-022047-20251017	96300	6.88	359740	8.16	172359	9.92
02 41-LBMS	97883	6.88	362327	8.16	171519	9.92
03 41-LBMSD	105784	6.88	388491	8.16	194134	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3393

Client ID: SSTDCCC040

Date Analyzed: 10/21/2025

Lab File ID: BF144009.D

Time Analyzed: 13:29

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	430811	11.416	235758	14.063	243917	15.545
UPPER LIMIT	861622	11.916	471516	14.563	487834	16.045
LOWER LIMIT	215406	10.916	117879	13.563	121959	15.045
EPA SAMPLE NO.						
01 PR132-S10-022047-20251017	260149	11.41	239581	14.06	287667	15.55
02 41-LBMS	251833	11.42	215570	14.06	288346	15.55
03 41-LBMSD	286809	11.41	223920	14.06	293398	15.55

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3393

Client ID : SSTDCCC040

Date Analyzed: 10/22/2025

Lab File ID: BF144032.D

Time Analyzed: 10:25

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	112960	6.881	428129	8.16	220935	9.92
UPPER LIMIT	225920	7.381	856258	8.663	441870	10.422
LOWER LIMIT	56480	6.381	214065	7.663	110468	9.422
EPA SAMPLE NO.						
01 PB170180BL	133448	6.88	515654	8.16	278111	9.92
02 PB170180BS	119718	6.88	459704	8.16	246572	9.92
03 PR132-S10-000022-20251017	90843	6.88	335392	8.16	160805	9.92
04 PR132-S08-013038-20251017	87568	6.88	316694	8.16	154579	9.92
05 PR132-S06-000021-20251017	86146	6.88	309033	8.16	160156	9.92
06 PR132-S08-000013-20251017	88270	6.88	318764	8.16	158279	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3393

Client ID: SSTDCCC040

Date Analyzed: 10/22/2025

Lab File ID: BF144032.D

Time Analyzed: 10:25

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	348267	11.416	176671	14.063	208587	15.545
UPPER LIMIT	696534	11.916	353342	14.563	417174	16.045
LOWER LIMIT	174134	10.916	88335.5	13.563	104294	15.045
EPA SAMPLE NO.						
01 PB170180BL	477973	11.41	255711	14.06	254526	15.55
02 PB170180BS	409864	11.42	219056	14.06	213561	15.55
03 PR132-S10-000022-20251017	269571	11.41	234635	14.06	281457	15.55
04 PR132-S08-013038-20251017	247206	11.41	223252	14.06	266238	15.55
05 PR132-S06-000021-20251017	262433	11.41	218012	14.06	261186	15.55
06 PR132-S08-000013-20251017	268616	11.41	224762	14.06	269273	15.55

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

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

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S10-000022-20251017
 Lab Sample ID: Q3393-01
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
 Date Received: 10/17/25
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 56
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	590	U	1	280	590	ug/Kg	10/22/25 12:26	PB170180
108-95-2	Phenol	300	U	1	39.4	300	ug/Kg	10/22/25 12:26	PB170180
111-44-4	bis(2-Chloroethyl)ether	300	U	1	43.3	300	ug/Kg	10/22/25 12:26	PB170180
95-57-8	2-Chlorophenol	300	U	1	43.5	300	ug/Kg	10/22/25 12:26	PB170180
95-48-7	2-Methylphenol	300	U	1	53.3	300	ug/Kg	10/22/25 12:26	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	1	66.9	300	ug/Kg	10/22/25 12:26	PB170180
98-86-2	Acetophenone	300	U	1	52.6	300	ug/Kg	10/22/25 12:26	PB170180
65794-96-9	3+4-Methylphenols	590	U	1	73.3	590	ug/Kg	10/22/25 12:26	PB170180
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	84.5	140	ug/Kg	10/22/25 12:26	PB170180
67-72-1	Hexachloroethane	300	U	1	31.4	300	ug/Kg	10/22/25 12:26	PB170180
98-95-3	Nitrobenzene	300	U	1	32.6	300	ug/Kg	10/22/25 12:26	PB170180
78-59-1	Isophorone	300	U	1	58.5	300	ug/Kg	10/22/25 12:26	PB170180
88-75-5	2-Nitrophenol	300	U	1	100	300	ug/Kg	10/22/25 12:26	PB170180
105-67-9	2,4-Dimethylphenol	300	U	1	120	300	ug/Kg	10/22/25 12:26	PB170180
111-91-1	bis(2-Chloroethoxy)methane	300	U	1	54.9	300	ug/Kg	10/22/25 12:26	PB170180
120-83-2	2,4-Dichlorophenol	300	U	1	50.5	300	ug/Kg	10/22/25 12:26	PB170180
91-20-3	Naphthalene	300	U	1	40.5	300	ug/Kg	10/22/25 12:26	PB170180
106-47-8	4-Chloroaniline	300	U	1	63.1	300	ug/Kg	10/22/25 12:26	PB170180
87-68-3	Hexachlorobutadiene	300	U	1	45.1	300	ug/Kg	10/22/25 12:26	PB170180
105-60-2	Caprolactam	590	U	1	92.9	590	ug/Kg	10/22/25 12:26	PB170180
59-50-7	4-Chloro-3-methylphenol	300	U	1	51.2	300	ug/Kg	10/22/25 12:26	PB170180
91-57-6	2-Methylnaphthalene	300	U	1	45.6	300	ug/Kg	10/22/25 12:26	PB170180
77-47-4	Hexachlorocyclopentadiene	590	U	1	210	590	ug/Kg	10/22/25 12:26	PB170180
88-06-2	2,4,6-Trichlorophenol	300	U	1	35.3	300	ug/Kg	10/22/25 12:26	PB170180
95-95-4	2,4,5-Trichlorophenol	300	U	1	51.9	300	ug/Kg	10/22/25 12:26	PB170180
92-52-4	1,1-Biphenyl	300	U	1	38.9	300	ug/Kg	10/22/25 12:26	PB170180
91-58-7	2-Chloronaphthalene	300	U	1	40.1	300	ug/Kg	10/22/25 12:26	PB170180
88-74-4	2-Nitroaniline	300	U	1	85.7	300	ug/Kg	10/22/25 12:26	PB170180
131-11-3	Dimethylphthalate	300	U	1	48.3	300	ug/Kg	10/22/25 12:26	PB170180
208-96-8	Acenaphthylene	300	U	1	51.5	300	ug/Kg	10/22/25 12:26	PB170180
606-20-2	2,6-Dinitrotoluene	300	UQ	1	59.9	300	ug/Kg	10/22/25 12:26	PB170180
99-09-2	3-Nitroaniline	300	U	1	82.0	300	ug/Kg	10/22/25 12:26	PB170180
83-32-9	Acenaphthene	300	U	1	38.0	300	ug/Kg	10/22/25 12:26	PB170180
51-28-5	2,4-Dinitrophenol	590	U	1	410	590	ug/Kg	10/22/25 12:26	PB170180
100-02-7	4-Nitrophenol	590	U	1	190	590	ug/Kg	10/22/25 12:26	PB170180
132-64-9	Dibenzofuran	300	U	1	40.5	300	ug/Kg	10/22/25 12:26	PB170180
121-14-2	2,4-Dinitrotoluene	300	U	1	89.3	300	ug/Kg	10/22/25 12:26	PB170180
84-66-2	Diethylphthalate	300	U	1	50.5	300	ug/Kg	10/22/25 12:26	PB170180
7005-72-3	4-Chlorophenyl-phenylether	300	U	1	47.6	300	ug/Kg	10/22/25 12:26	PB170180
86-73-7	Fluorene	300	U	1	45.1	300	ug/Kg	10/22/25 12:26	PB170180
100-01-6	4-Nitroaniline	300	U	1	110	300	ug/Kg	10/22/25 12:26	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	590	U	1	180	590	ug/Kg	10/22/25 12:26	PB170180

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S10-000022-20251017
 Lab Sample ID: Q3393-01
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
 Date Received: 10/17/25
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 56
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	300	U	1	58.7	300	ug/Kg	10/22/25 12:26	PB170180
101-55-3	4-Bromophenyl-phenylether	300	U	1	49.6	300	ug/Kg	10/22/25 12:26	PB170180
118-74-1	Hexachlorobenzene	300	U	1	45.1	300	ug/Kg	10/22/25 12:26	PB170180
1912-24-9	Atrazine	300	U	1	60.6	300	ug/Kg	10/22/25 12:26	PB170180
87-86-5	Pentachlorophenol	590	U	1	91.5	590	ug/Kg	10/22/25 12:26	PB170180
85-01-8	Phenanthrene	150	J	1	37.3	300	ug/Kg	10/22/25 12:26	PB170180
120-12-7	Anthracene	300	U	1	59.4	300	ug/Kg	10/22/25 12:26	PB170180
86-74-8	Carbazole	300	U	1	55.6	300	ug/Kg	10/22/25 12:26	PB170180
84-74-2	Di-n-butylphthalate	300	U	1	85.4	300	ug/Kg	10/22/25 12:26	PB170180
206-44-0	Fluoranthene	160	J	1	53.5	300	ug/Kg	10/22/25 12:26	PB170180
129-00-0	Pyrene	300	U	1	64.2	300	ug/Kg	10/22/25 12:26	PB170180
85-68-7	Butylbenzylphthalate	300	U	1	130	300	ug/Kg	10/22/25 12:26	PB170180
91-94-1	3,3-Dichlorobenzidine	590	U	1	65.4	590	ug/Kg	10/22/25 12:26	PB170180
56-55-3	Benzo(a)anthracene	300	U	1	41.0	300	ug/Kg	10/22/25 12:26	PB170180
218-01-9	Chrysene	300	U	1	35.5	300	ug/Kg	10/22/25 12:26	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	1	110	300	ug/Kg	10/22/25 12:26	PB170180
117-84-0	Di-n-octyl phthalate	590	U	1	150	590	ug/Kg	10/22/25 12:26	PB170180
205-99-2	Benzo(b)fluoranthene	300	U	1	33.9	300	ug/Kg	10/22/25 12:26	PB170180
207-08-9	Benzo(k)fluoranthene	300	U	1	39.9	300	ug/Kg	10/22/25 12:26	PB170180
50-32-8	Benzo(a)pyrene	300	U	1	52.6	300	ug/Kg	10/22/25 12:26	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	300	UQ	1	51.9	300	ug/Kg	10/22/25 12:26	PB170180
53-70-3	Dibenzo(a,h)anthracene	300	U	1	48.8	300	ug/Kg	10/22/25 12:26	PB170180
191-24-2	Benzo(g,h,i)perylene	300	UQ	1	45.8	300	ug/Kg	10/22/25 12:26	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	1	45.6	300	ug/Kg	10/22/25 12:26	PB170180
123-91-1	1,4-Dioxane	300	U	1	80.6	300	ug/Kg	10/22/25 12:26	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	300	U	1	48.8	300	ug/Kg	10/22/25 12:26	PB170180

SURROGATES

367-12-4	2-Fluorophenol	43.3		18 - 112	29%	SPK: 150
13127-88-3	Phenol-d6	40.8		15 - 107	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	26.2		18 - 107	26%	SPK: 100
321-60-8	2-Fluorobiphenyl	26.0		20 - 109	26%	SPK: 100
118-79-6	2,4,6-Tribromophenol	36.7		10 - 116	24%	SPK: 150
1718-51-0	Terphenyl-d14	22.3		10 - 105	22%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	90800
1146-65-2 Naphthalene-d8	335000
15067-26-2 Acenaphthene-d10	161000
1517-22-2 Phenanthrene-d10	270000
1719-03-5 Chrysene-d12	235000
1520-96-3 Perylene-d12	281000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	210	J	10.6	ug/Kg

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S10-000022-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	56
Sample Wt/Vol:	30.05 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144036.D
Acq On : 22 Oct 2025 12:26
Operator : RC/JU
Sample : Q3393-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

Quant Time: Oct 22 13:09:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

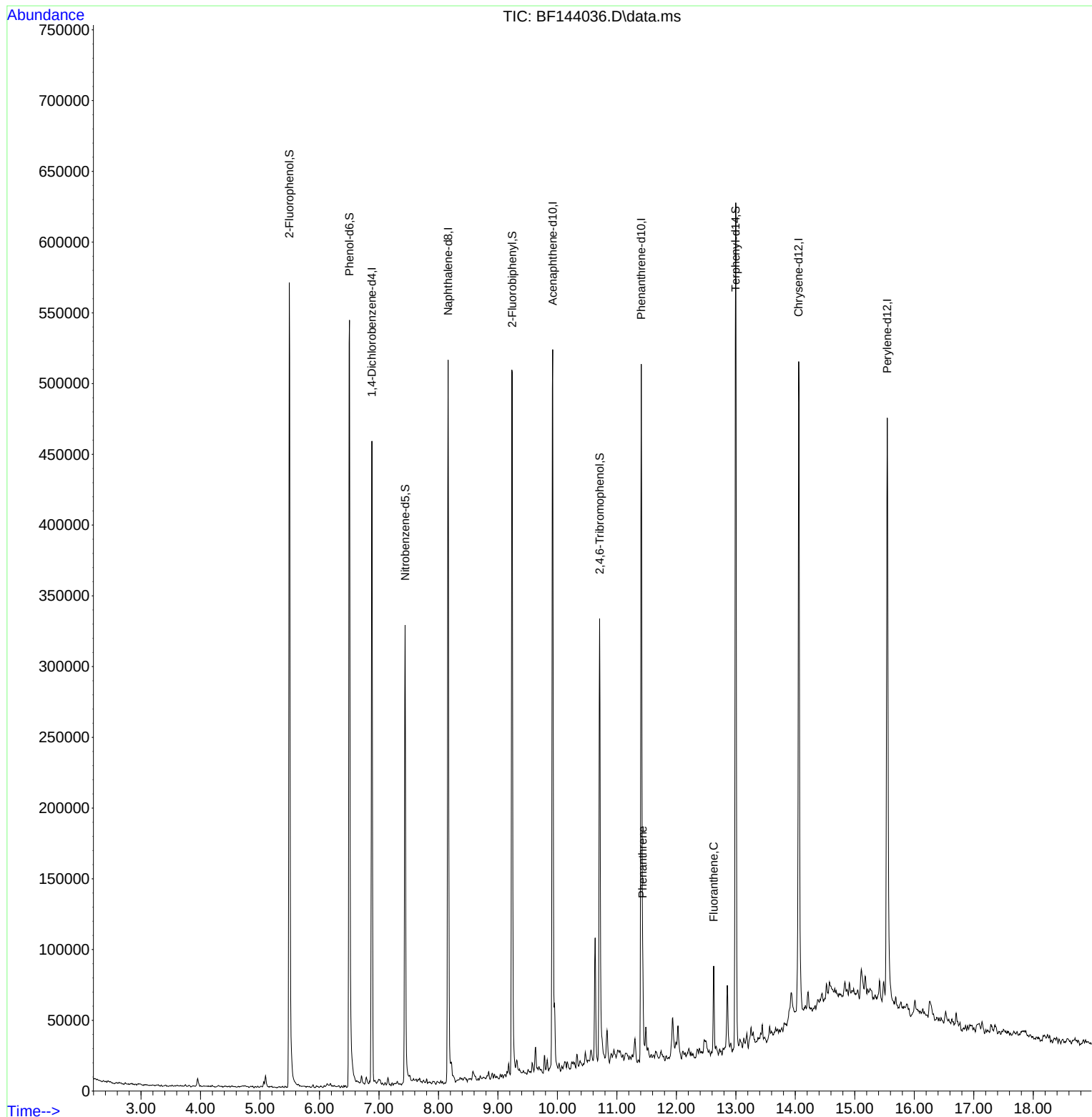
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	90843	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	335392	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	160805	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	269571	20.000	ng	0.00
76) Chrysene-d12	14.057	240	234635	20.000	ng	-0.01
86) Perylene-d12	15.545	264	281457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	247526	43.269	ng	0.00
7) Phenol-d6	6.504	99	278346	40.821	ng	-0.01
23) Nitrobenzene-d5	7.439	82	144668	26.206	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	58721	36.663	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	263423	25.993	ng	-0.01
79) Terphenyl-d14	12.998	244	306488	22.325	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	33352	2.552	ng	99
75) Fluoranthene	12.627	202	37179	2.754	ng	97

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

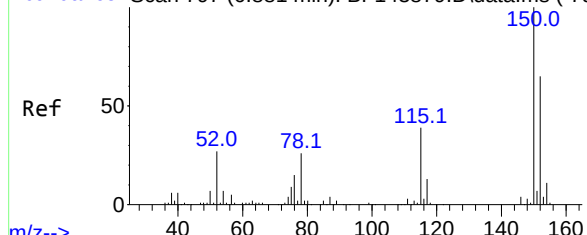
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Data File : BF144036.D
Acq On : 22 Oct 2025 12:26
Operator : RC/JU
Sample : Q3393-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

Quant Time: Oct 22 13:09:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

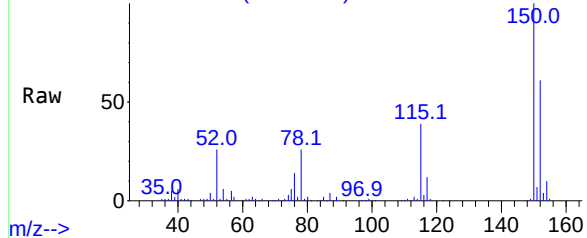


Abundance Scan 797 (6.881 min): BF143879.D\data.ms (-79



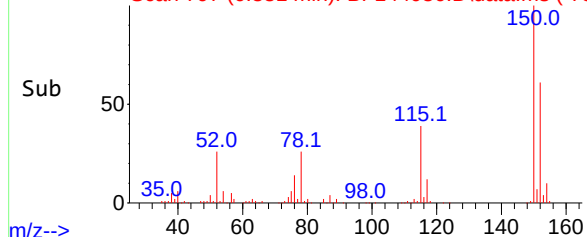
m/z-->

Abundance Scan 797 (6.881 min): BF144036.D\data.ms



m/z-->

Abundance Scan 797 (6.881 min): BF144036.D\data.ms (-78



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.881 min Scan# 79

Delta R.T. -0.005 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

Instrument :

BNA_F

ClientSampleId :

PR132-S10-000022-20251017

Tgt Ion:152 Resp: 90843

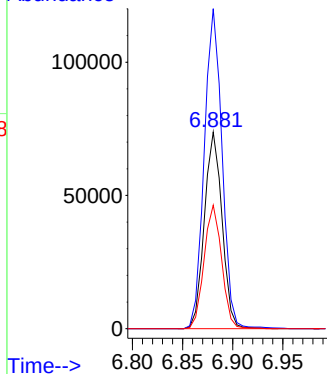
Ion Ratio Lower Upper

152 100

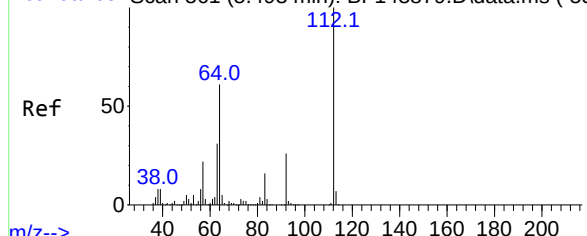
150 162.8 124.4 186.6

115 62.8 48.1 72.1

Abundance

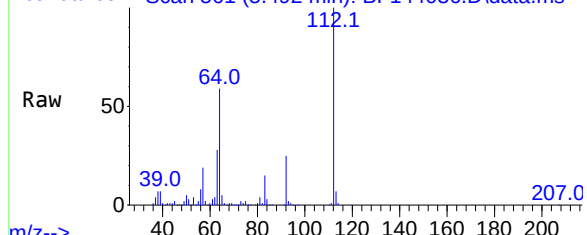


Abundance Scan 561 (5.493 min): BF143879.D\data.ms (-55



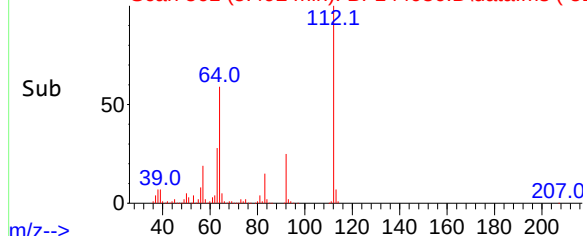
m/z-->

Abundance Scan 561 (5.492 min): BF144036.D\data.ms



m/z-->

Abundance Scan 561 (5.492 min): BF144036.D\data.ms (-51



m/z-->

#5

2-Fluorophenol

Concen: 43.269 ng

RT: 5.492 min Scan# 561

Delta R.T. -0.006 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

Tgt Ion:112 Resp: 247526

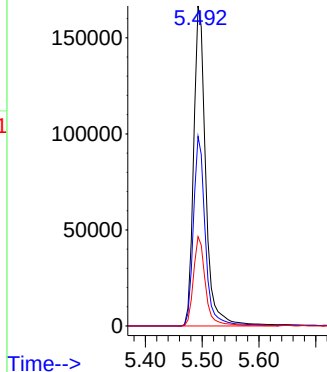
Ion Ratio Lower Upper

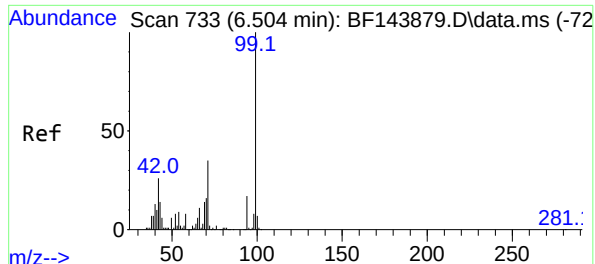
112 100

64 59.2 49.1 73.7

63 27.9 24.5 36.7

Abundance

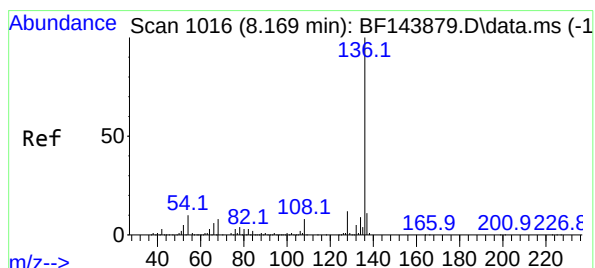
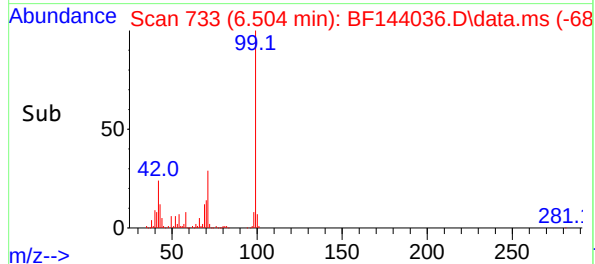
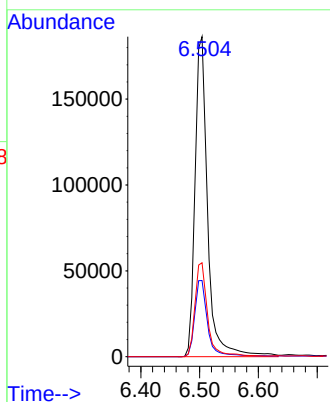
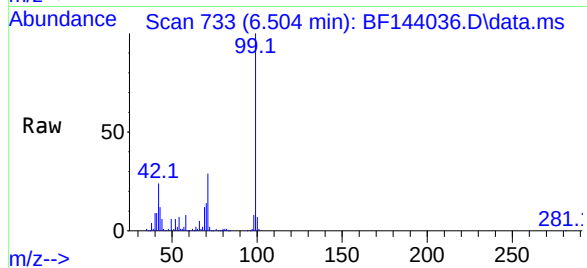




#7
Phenol-d6
Concen: 40.821 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

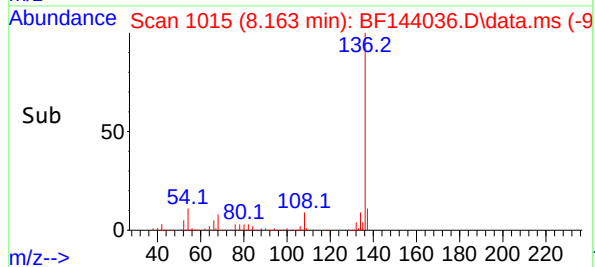
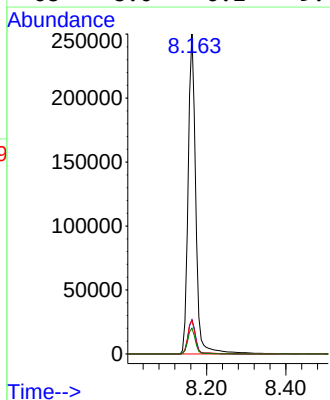
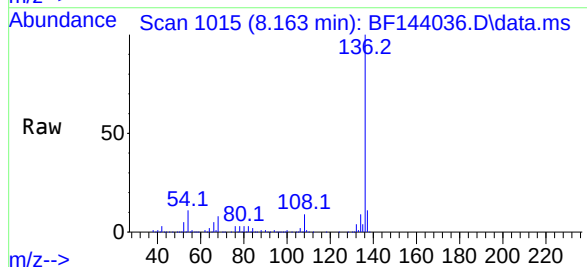
Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

Tgt Ion: 99 Resp: 278346
Ion Ratio Lower Upper
99 100
42 23.8 21.0 31.4
71 29.4 27.8 41.8

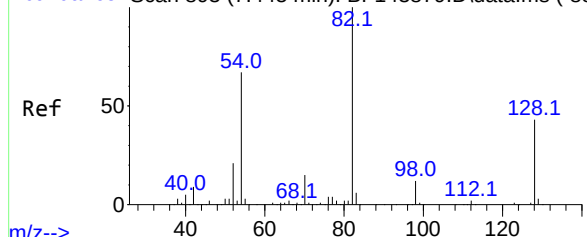


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

Tgt Ion: 136 Resp: 335392
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.6 8.2 12.4
68 8.0 6.2 9.4



Abundance Scan 893 (7.445 min): BF143879.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 26.206 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

Instrument :

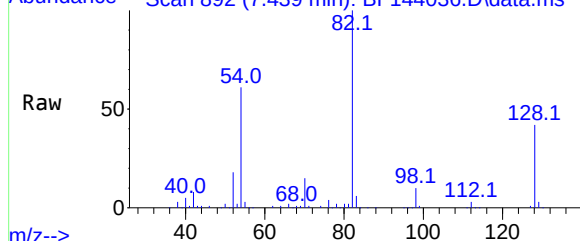
BNA_F

ClientSampleId :

PR132-S10-000022-20251017

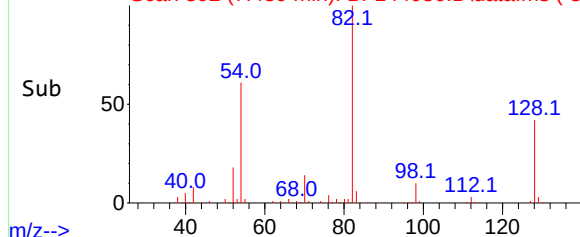
m/z-->

Abundance Scan 892 (7.439 min): BF144036.D\data.ms



m/z-->

Abundance Scan 892 (7.439 min): BF144036.D\data.ms (-84



m/z-->

Tgt Ion: 82 Resp: 144668

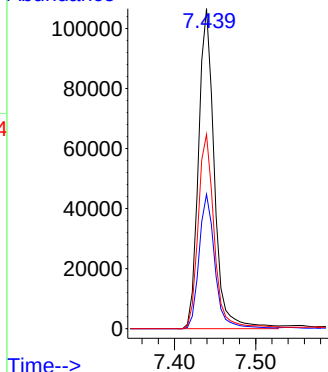
Ion Ratio Lower Upper

82 100

128 42.0 34.0 51.0

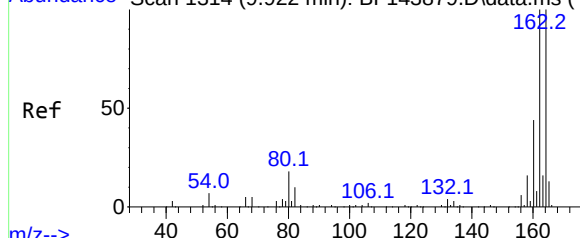
54 60.7 53.2 79.8

Abundance



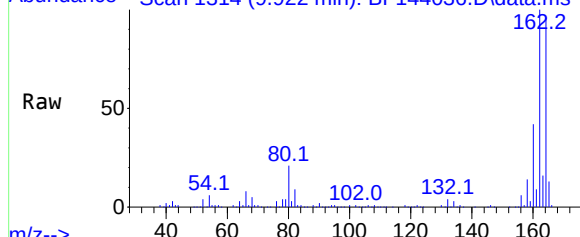
Time-->

Abundance Scan 1314 (9.922 min): BF143879.D\data.ms (-1



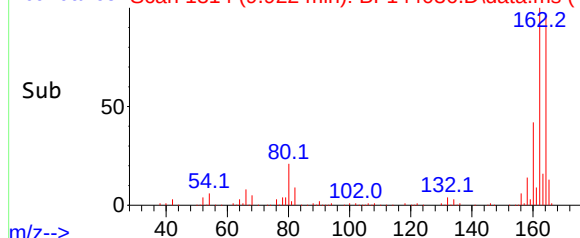
m/z-->

Abundance Scan 1314 (9.922 min): BF144036.D\data.ms



m/z-->

Abundance Scan 1314 (9.922 min): BF144036.D\data.ms (-1



m/z-->

#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

Tgt Ion:164 Resp: 160805

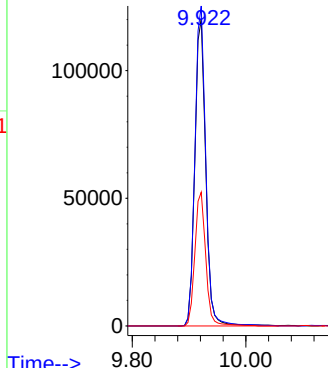
Ion Ratio Lower Upper

164 100

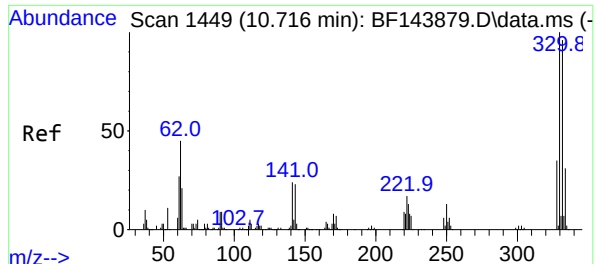
162 104.3 80.2 120.2

160 43.6 35.4 53.0

Abundance



Time-->



#42

2,4,6-Tribromophenol

Concen: 36.663 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

Instrument :

BNA_F

ClientSampleId :

PR132-S10-000022-20251017

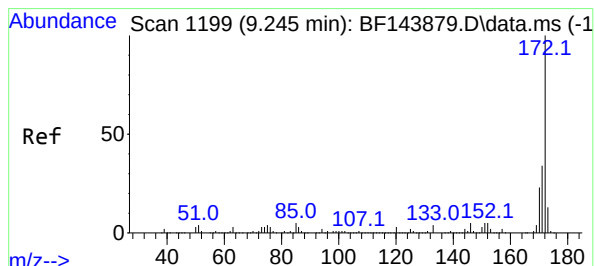
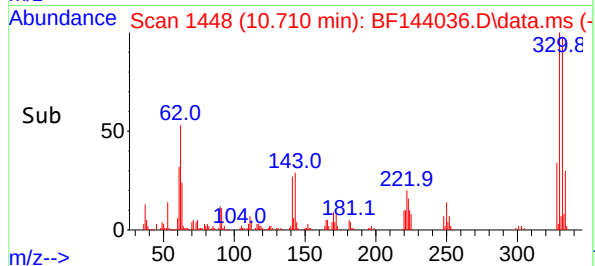
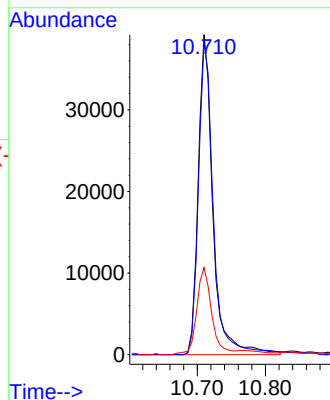
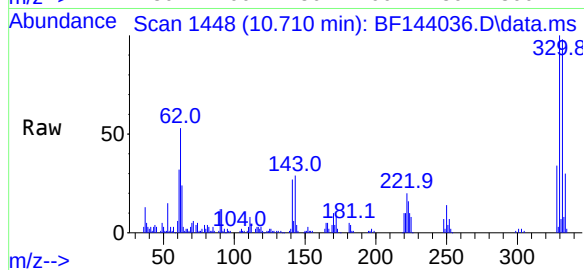
Tgt Ion:330 Resp: 58721

Ion Ratio Lower Upper

330 100

332 100.1 76.9 115.3

141 27.7 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 25.993 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

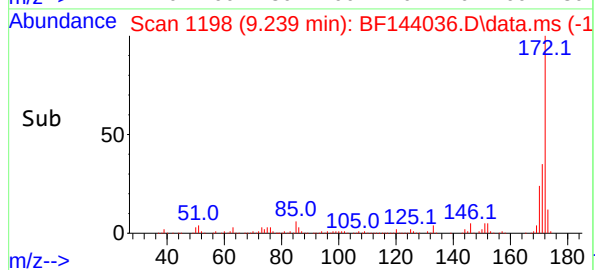
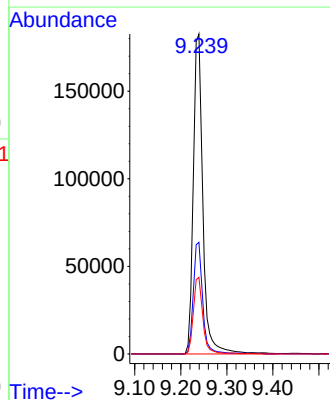
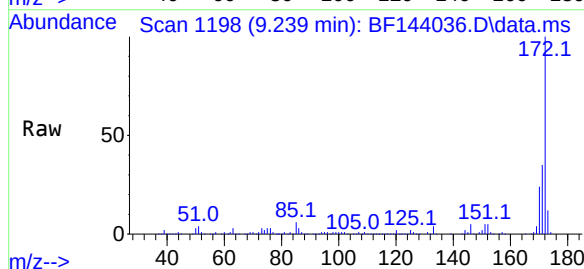
Tgt Ion:172 Resp: 263423

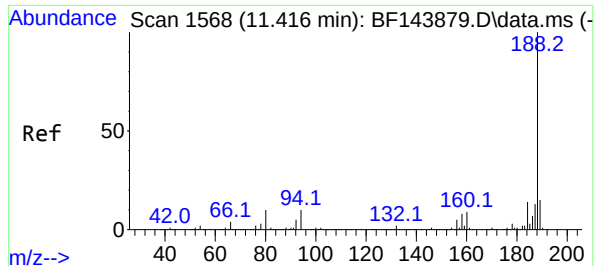
Ion Ratio Lower Upper

172 100

171 34.9 27.4 41.0

170 24.0 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

Instrument :

BNA_F

ClientSampleId :

PR132-S10-000022-20251017

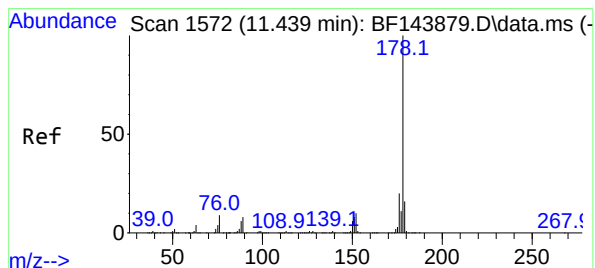
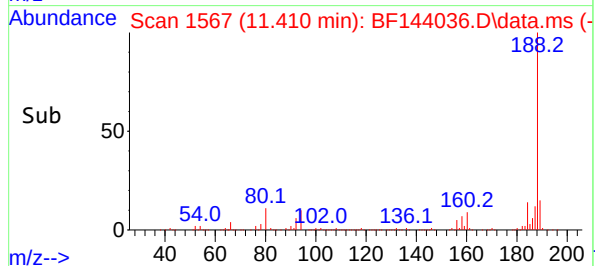
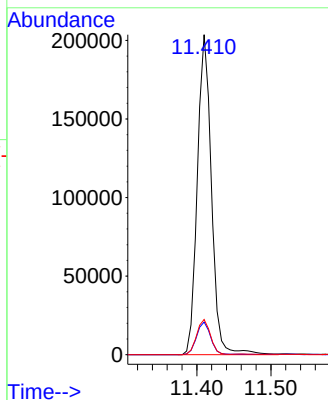
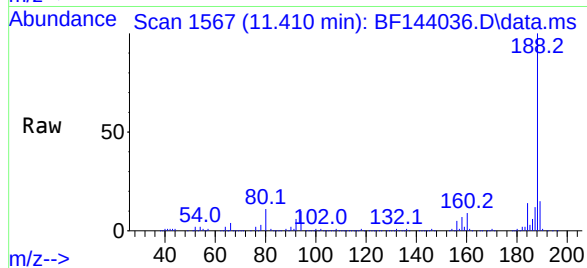
Tgt Ion:188 Resp: 269571

Ion Ratio Lower Upper

188 100

94 10.2 7.8 11.6

80 11.0 7.9 11.9



#71

Phenanthrene

Concen: 2.552 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.012 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

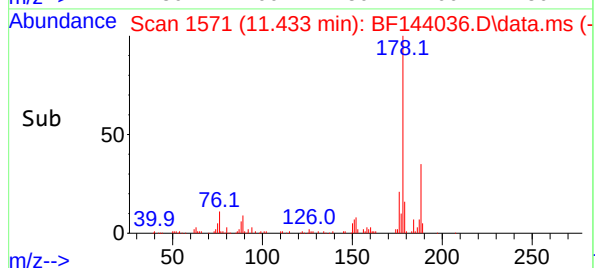
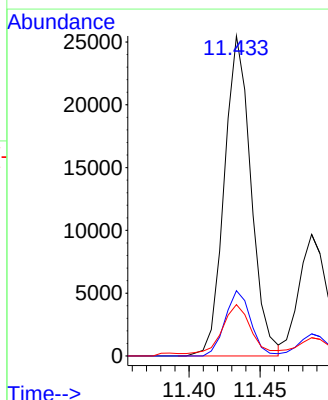
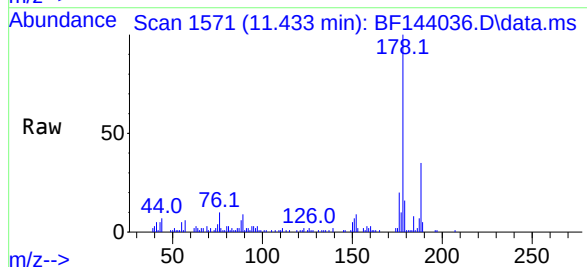
Tgt Ion:178 Resp: 33352

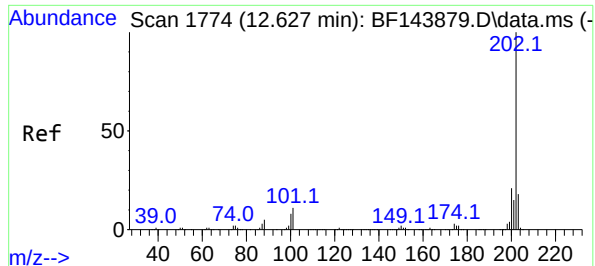
Ion Ratio Lower Upper

178 100

176 20.4 15.9 23.9

179 16.1 12.4 18.6

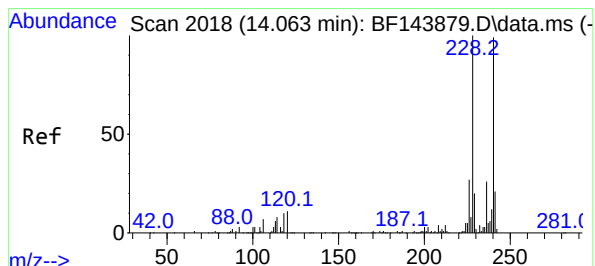
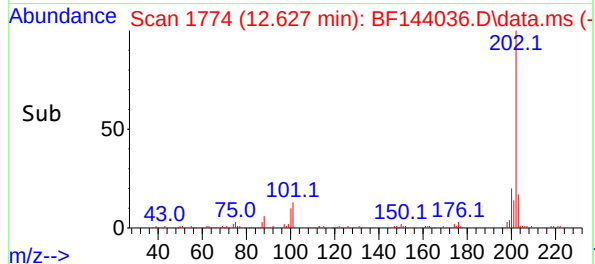
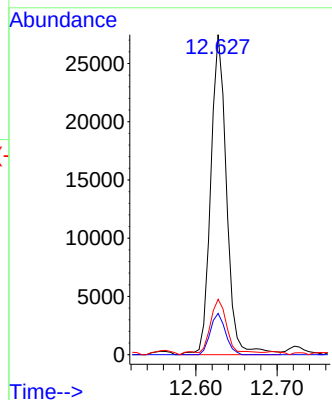
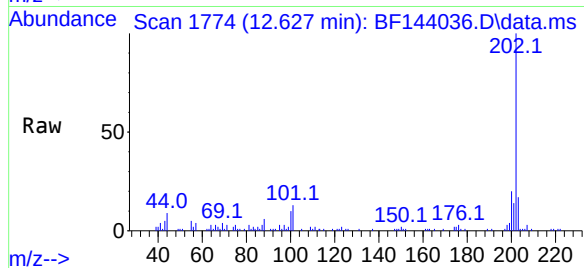




#75
Fluoranthene
Concen: 2.754 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

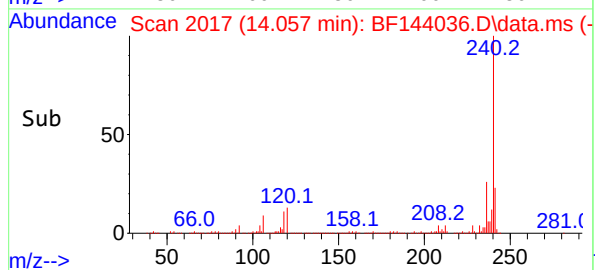
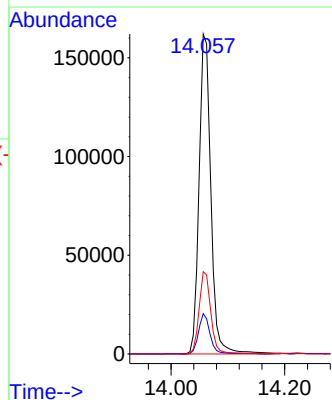
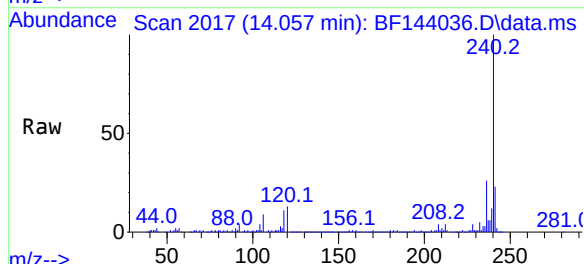
Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

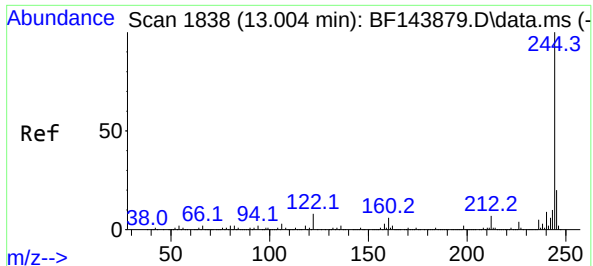
Tgt Ion:	202	Resp:	37179
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	30.7
203	17.3	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144036.D
Acq: 22 Oct 2025 12:26

Tgt Ion:	240	Resp:	234635
Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.6	13.0
236	25.7	21.1	31.7





#79

Terphenyl-d14

Concen: 22.325 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

Instrument :

BNA_F

ClientSampleId :

PR132-S10-000022-20251017

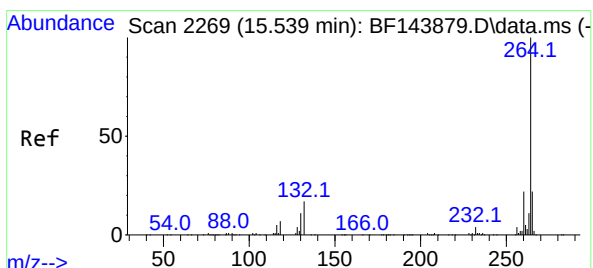
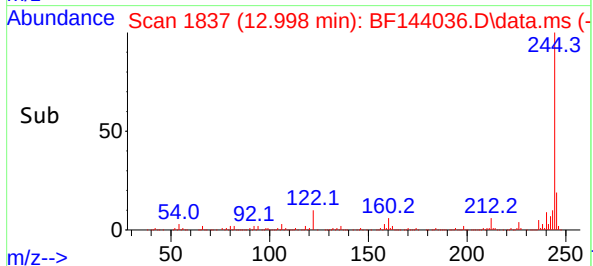
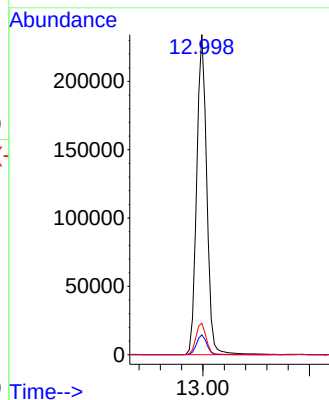
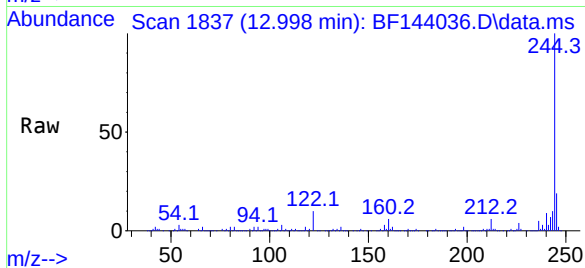
Tgt Ion:244 Resp: 306488

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

122 9.9 6.4 9.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF144036.D

Acq: 22 Oct 2025 12:26

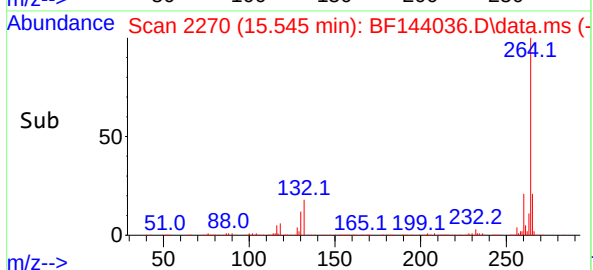
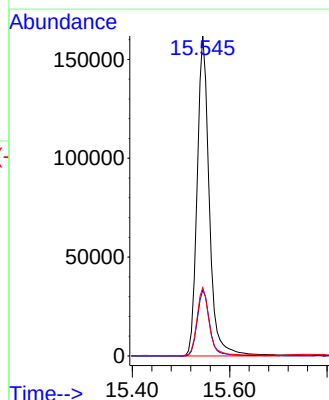
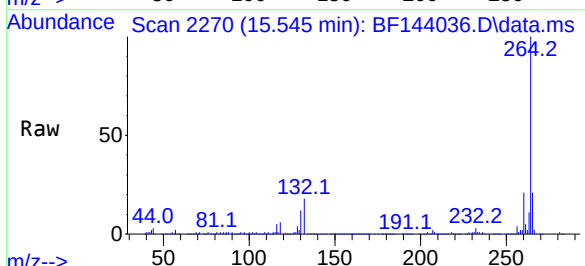
Tgt Ion:264 Resp: 281457

Ion Ratio Lower Upper

264 100

260 20.6 17.8 26.8

265 21.4 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144036.D
Acq On : 22 Oct 2025 12:26
Operator : RC/JU
Sample : Q3393-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144036.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.951	292	299	305	rVB2	5569	9919	1.19%	0.112%
2	5.093	490	493	500	rVB	7672	11343	1.36%	0.128%
3	5.492	556	561	585	rBV	568636	835651	100.00%	9.449%
4	6.504	727	733	752	rBV	541853	828049	99.09%	9.363%
5	6.704	764	767	776	rVB	5834	9453	1.13%	0.107%
6	6.787	776	781	788	rBV3	4874	9035	1.08%	0.102%
7	6.881	792	797	803	rVV	452795	555300	66.45%	6.279%
8	7.439	887	892	903	rBV	322893	435966	52.17%	4.929%
9	8.163	1010	1015	1022	rBV	509412	664179	79.48%	7.510%
10	8.581	1082	1086	1097	rVB2	6298	15559	1.86%	0.176%
11	9.180	1185	1188	1192	rVB3	7780	8847	1.06%	0.100%
12	9.233	1192	1197	1207	rBV	498143	703261	84.16%	7.952%
13	9.316	1208	1211	1217	rVB7	7453	12293	1.47%	0.139%
14	9.575	1252	1255	1260	rBV3	6775	9755	1.17%	0.110%
15	9.633	1260	1265	1269	rBV3	17065	26906	3.22%	0.304%
16	9.780	1287	1290	1294	rBV3	12621	17246	2.06%	0.195%
17	9.828	1295	1298	1302	rVB3	8063	10343	1.24%	0.117%
18	9.922	1308	1314	1318	rBV	506238	680124	81.39%	7.690%
19	10.327	1380	1383	1388	rBV6	9496	14342	1.72%	0.162%
20	10.469	1404	1407	1413	rBV3	8057	12305	1.47%	0.139%
21	10.563	1419	1423	1429	rBV7	7862	14658	1.75%	0.166%
22	10.633	1430	1435	1442	rVV	87409	118089	14.13%	1.335%
23	10.710	1443	1448	1463	rVV	313562	480735	57.53%	5.436%
24	10.833	1465	1469	1476	rVB2	22986	40670	4.87%	0.460%
25	11.304	1545	1549	1556	rVB5	16793	30619	3.66%	0.346%
26	11.410	1562	1567	1577	rBV	493267	738756	88.40%	8.353%
27	11.486	1577	1580	1584	rVB	16881	22429	2.68%	0.254%
28	11.939	1650	1657	1663	rBV6	26710	60033	7.18%	0.679%
29	12.027	1669	1672	1682	rVB2	23472	44890	5.37%	0.508%
30	12.110	1682	1686	1690	rBV6	5497	11083	1.33%	0.125%
31	12.469	1744	1747	1750	rBV4	8812	15011	1.80%	0.170%
32	12.627	1770	1774	1779	rBV	60923	77936	9.33%	0.881%
33	12.857	1808	1813	1820	rVB	43556	66028	7.90%	0.747%
34	12.998	1832	1837	1845	rBV	597090	776552	92.93%	8.780%
35	14.057	2010	2017	2028	rBV	458863	711841	85.18%	8.049%
36	15.545	2264	2270	2291	rVB	414062	764897	91.53%	8.649%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144036.D
Acq On : 22 Oct 2025 12:26
Operator : RC/JU
Sample : Q3393-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

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

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

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

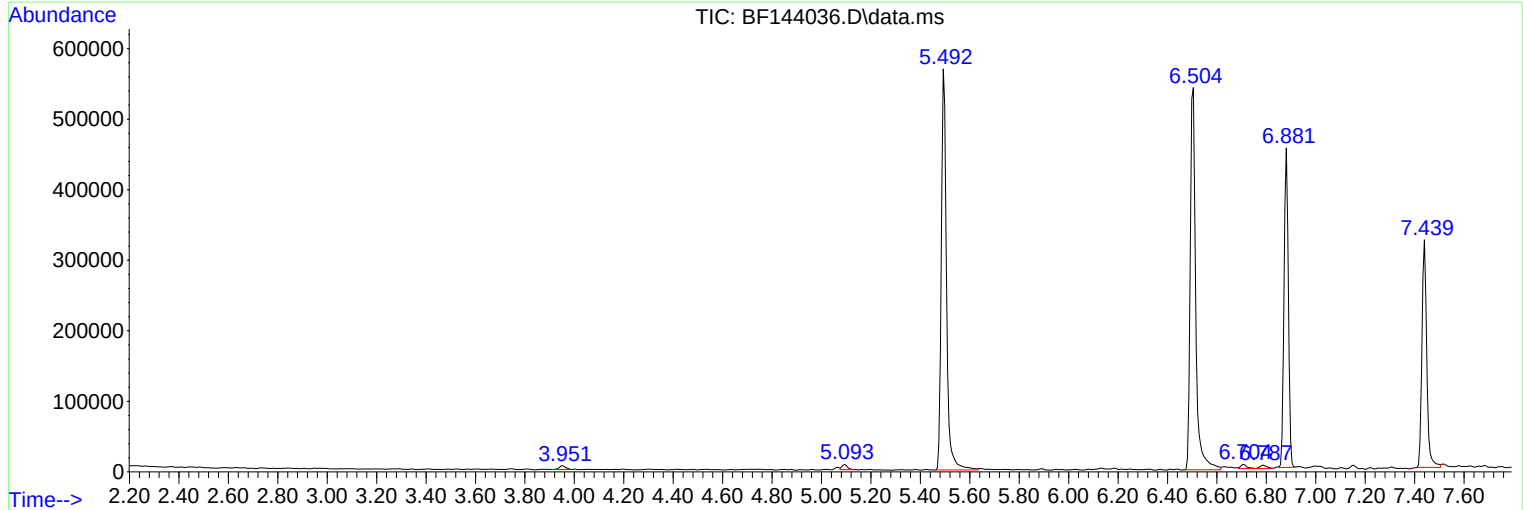
Sum of corrected areas: 8844103

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144036.D
Acq On : 22 Oct 2025 12:26
Operator : RC/JU
Sample : Q3393-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

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

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



1
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17

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144036.D
Acq On : 22 Oct 2025 12:26
Operator : RC/JU
Sample : Q3393-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

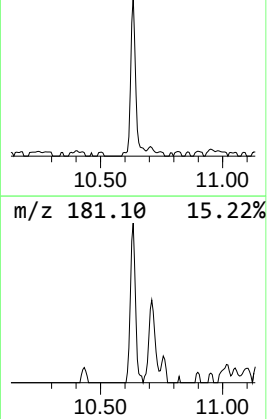
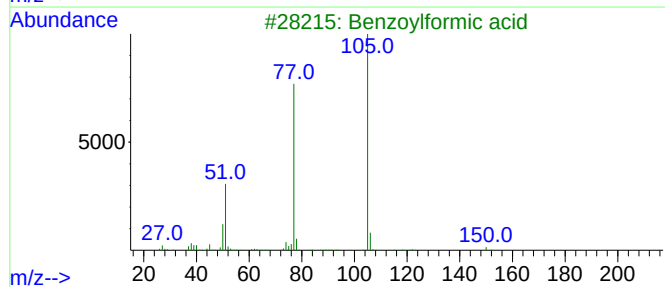
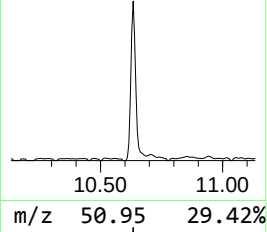
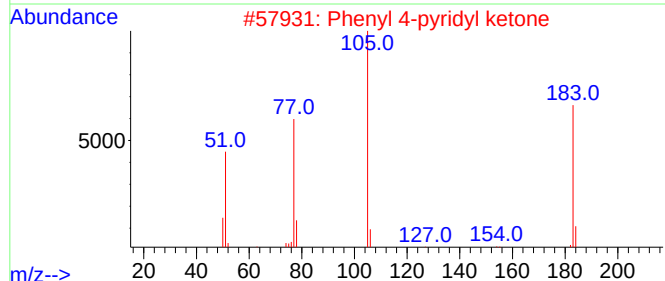
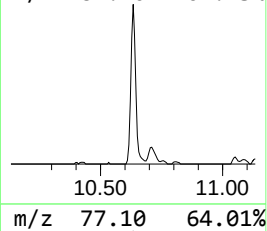
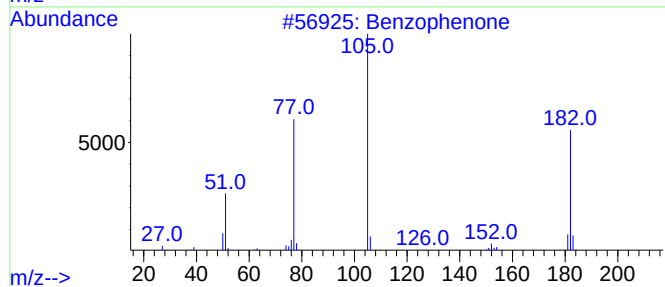
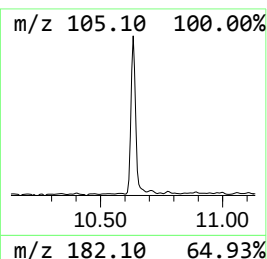
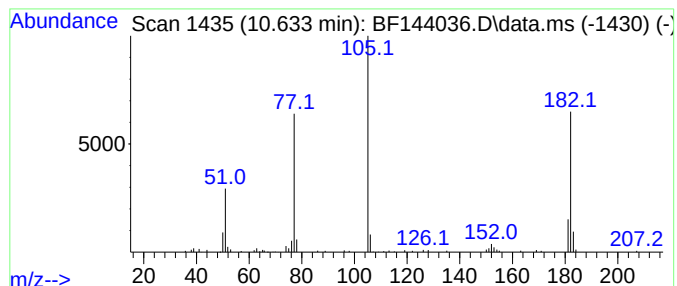
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	3.47 ng	118089	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	94
2			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	58
3			Benzoylformic acid	150	C8H6O3	000611-73-4	49
4			Benzilic acid	228	C14H12O3	000076-93-7	47
5			Benzilamide	227	C14H13NO2	004746-87-6	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144036.D
Acq On : 22 Oct 2025 12:26
Operator : RC/JU
Sample : Q3393-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-000022-20251017

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

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.633	3.5	ng	118089	3	9.922	680124	20.0

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S10-022047-20251017
 Lab Sample ID: Q3393-02
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
 Date Received: 10/17/25
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 54
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	610	U	1	290	610	ug/Kg	10/21/25 23:51	PB170180
108-95-2	Phenol	310	U	1	40.9	310	ug/Kg	10/21/25 23:51	PB170180
111-44-4	bis(2-Chloroethyl)ether	310	U	1	44.9	310	ug/Kg	10/21/25 23:51	PB170180
95-57-8	2-Chlorophenol	310	U	1	45.1	310	ug/Kg	10/21/25 23:51	PB170180
95-48-7	2-Methylphenol	310	U	1	55.3	310	ug/Kg	10/21/25 23:51	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	69.4	310	ug/Kg	10/21/25 23:51	PB170180
98-86-2	Acetophenone	310	U	1	54.6	310	ug/Kg	10/21/25 23:51	PB170180
65794-96-9	3+4-Methylphenols	610	U	1	76.0	610	ug/Kg	10/21/25 23:51	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	87.7	150	ug/Kg	10/21/25 23:51	PB170180
67-72-1	Hexachloroethane	310	U	1	32.5	310	ug/Kg	10/21/25 23:51	PB170180
98-95-3	Nitrobenzene	310	U	1	33.8	310	ug/Kg	10/21/25 23:51	PB170180
78-59-1	Isophorone	310	U	1	60.7	310	ug/Kg	10/21/25 23:51	PB170180
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/21/25 23:51	PB170180
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/21/25 23:51	PB170180
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	57.0	310	ug/Kg	10/21/25 23:51	PB170180
120-83-2	2,4-Dichlorophenol	310	U	1	52.3	310	ug/Kg	10/21/25 23:51	PB170180
91-20-3	Naphthalene	310	U	1	42.0	310	ug/Kg	10/21/25 23:51	PB170180
106-47-8	4-Chloroaniline	310	U	1	65.5	310	ug/Kg	10/21/25 23:51	PB170180
87-68-3	Hexachlorobutadiene	310	U	1	46.8	310	ug/Kg	10/21/25 23:51	PB170180
105-60-2	Caprolactam	610	U	1	96.4	610	ug/Kg	10/21/25 23:51	PB170180
59-50-7	4-Chloro-3-methylphenol	310	U	1	53.1	310	ug/Kg	10/21/25 23:51	PB170180
91-57-6	2-Methylnaphthalene	310	U	1	47.3	310	ug/Kg	10/21/25 23:51	PB170180
77-47-4	Hexachlorocyclopentadiene	610	U	1	210	610	ug/Kg	10/21/25 23:51	PB170180
88-06-2	2,4,6-Trichlorophenol	310	U	1	36.6	310	ug/Kg	10/21/25 23:51	PB170180
95-95-4	2,4,5-Trichlorophenol	310	U	1	53.8	310	ug/Kg	10/21/25 23:51	PB170180
92-52-4	1,1-Biphenyl	310	U	1	40.3	310	ug/Kg	10/21/25 23:51	PB170180
91-58-7	2-Chloronaphthalene	310	U	1	41.6	310	ug/Kg	10/21/25 23:51	PB170180
88-74-4	2-Nitroaniline	310	U	1	89.0	310	ug/Kg	10/21/25 23:51	PB170180
131-11-3	Dimethylphthalate	310	U	1	50.1	310	ug/Kg	10/21/25 23:51	PB170180
208-96-8	Acenaphthylene	310	U	1	53.4	310	ug/Kg	10/21/25 23:51	PB170180
606-20-2	2,6-Dinitrotoluene	310	UQ	1	62.1	310	ug/Kg	10/21/25 23:51	PB170180
99-09-2	3-Nitroaniline	310	U	1	85.1	310	ug/Kg	10/21/25 23:51	PB170180
83-32-9	Acenaphthene	310	U	1	39.4	310	ug/Kg	10/21/25 23:51	PB170180
51-28-5	2,4-Dinitrophenol	610	U	1	420	610	ug/Kg	10/21/25 23:51	PB170180
100-02-7	4-Nitrophenol	610	U	1	200	610	ug/Kg	10/21/25 23:51	PB170180
132-64-9	Dibenzofuran	310	U	1	42.0	310	ug/Kg	10/21/25 23:51	PB170180
121-14-2	2,4-Dinitrotoluene	310	U	1	92.7	310	ug/Kg	10/21/25 23:51	PB170180
84-66-2	Diethylphthalate	310	U	1	52.3	310	ug/Kg	10/21/25 23:51	PB170180
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	49.4	310	ug/Kg	10/21/25 23:51	PB170180
86-73-7	Fluorene	310	U	1	46.8	310	ug/Kg	10/21/25 23:51	PB170180
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/21/25 23:51	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	610	U	1	190	610	ug/Kg	10/21/25 23:51	PB170180



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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-022047-20251017
Lab Sample ID: Q3393-02
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	60.8	310	ug/Kg	10/21/25 23:51	PB170180
101-55-3	4-Bromophenyl-phenylether	310	U	1	51.4	310	ug/Kg	10/21/25 23:51	PB170180
118-74-1	Hexachlorobenzene	310	U	1	46.8	310	ug/Kg	10/21/25 23:51	PB170180
1912-24-9	Atrazine	310	U	1	62.9	310	ug/Kg	10/21/25 23:51	PB170180
87-86-5	Pentachlorophenol	610	U	1	94.9	610	ug/Kg	10/21/25 23:51	PB170180
85-01-8	Phenanthrene	310	U	1	38.7	310	ug/Kg	10/21/25 23:51	PB170180
120-12-7	Anthracene	310	U	1	61.6	310	ug/Kg	10/21/25 23:51	PB170180
86-74-8	Carbazole	310	U	1	57.7	310	ug/Kg	10/21/25 23:51	PB170180
84-74-2	Di-n-butylphthalate	310	U	1	88.6	310	ug/Kg	10/21/25 23:51	PB170180
206-44-0	Fluoranthene	310	U	1	55.5	310	ug/Kg	10/21/25 23:51	PB170180
129-00-0	Pyrene	310	U	1	66.6	310	ug/Kg	10/21/25 23:51	PB170180
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/21/25 23:51	PB170180
91-94-1	3,3-Dichlorobenzidine	610	U	1	67.9	610	ug/Kg	10/21/25 23:51	PB170180
56-55-3	Benzo(a)anthracene	310	U	1	42.5	310	ug/Kg	10/21/25 23:51	PB170180
218-01-9	Chrysene	310	U	1	36.8	310	ug/Kg	10/21/25 23:51	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/21/25 23:51	PB170180
117-84-0	Di-n-octyl phthalate	610	U	1	160	610	ug/Kg	10/21/25 23:51	PB170180
205-99-2	Benzo(b)fluoranthene	310	U	1	35.1	310	ug/Kg	10/21/25 23:51	PB170180
207-08-9	Benzo(k)fluoranthene	310	U	1	41.4	310	ug/Kg	10/21/25 23:51	PB170180
50-32-8	Benzo(a)pyrene	310	U	1	54.6	310	ug/Kg	10/21/25 23:51	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	310	UQ	1	53.8	310	ug/Kg	10/21/25 23:51	PB170180
53-70-3	Dibenzo(a,h)anthracene	310	U	1	50.7	310	ug/Kg	10/21/25 23:51	PB170180
191-24-2	Benzo(g,h,i)perylene	310	UQ	1	47.5	310	ug/Kg	10/21/25 23:51	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	47.3	310	ug/Kg	10/21/25 23:51	PB170180
123-91-1	1,4-Dioxane	310	U	1	83.6	310	ug/Kg	10/21/25 23:51	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	50.7	310	ug/Kg	10/21/25 23:51	PB170180

SURROGATES

367-12-4	2-Fluorophenol	65.8		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	63.2		15 - 107	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.8		18 - 107	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	34.4		20 - 109	34%	SPK: 100
118-79-6	2,4,6-Tribromophenol	44.7		10 - 116	30%	SPK: 150
1718-51-0	Terphenyl-d14	27.7		10 - 105	28%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	96300
1146-65-2	Naphthalene-d8	360000
15067-26-2	Acenaphthene-d10	172000
1517-22-2	Phenanthrene-d10	260000
1719-03-5	Chrysene-d12	240000
1520-96-3	Perylene-d12	288000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	340	J	10.6	ug/Kg

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S10-022047-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	54
Sample Wt/Vol:	30.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144030.D
Acq On : 21 Oct 2025 23:51
Operator : RC/JU
Sample : Q3393-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-022047-20251017

Quant Time: Oct 22 11:14:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	96300	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	359740	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	172359	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	260149	20.000	ng	0.00
76) Chrysene-d12	14.057	240	239581	20.000	ng	-0.01
86) Perylene-d12	15.545	264	287667	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	398838	65.768	ng	0.00
7) Phenol-d6	6.504	99	457122	63.240	ng	-0.01
23) Nitrobenzene-d5	7.439	82	253163	42.756	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	76692	44.673	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	373648	34.398	ng	-0.01
79) Terphenyl-d14	12.998	244	388651	27.725	ng	-0.01

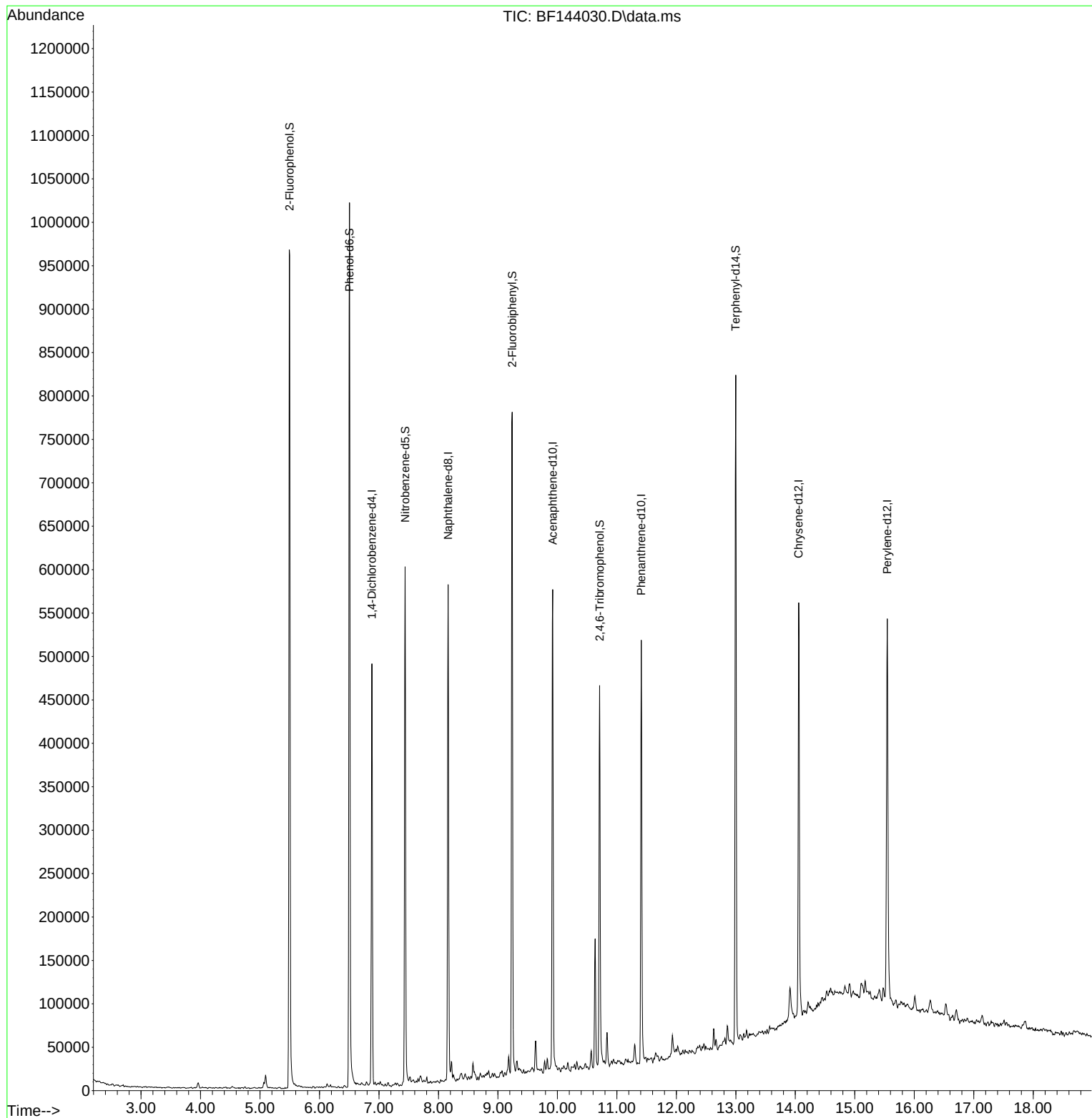
Target Compounds	Qvalue

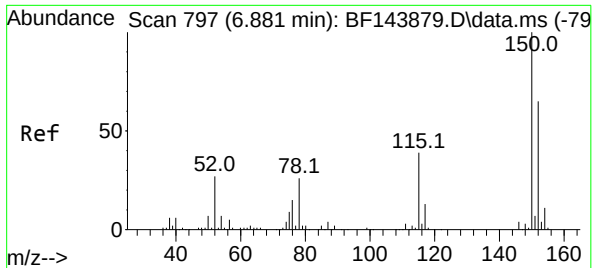
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144030.D
Acq On : 21 Oct 2025 23:51
Operator : RC/JU
Sample : Q3393-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-022047-20251017

Quant Time: Oct 22 11:14:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

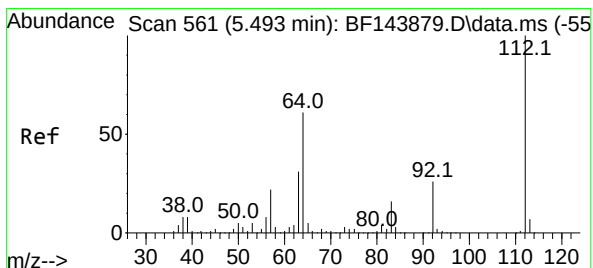
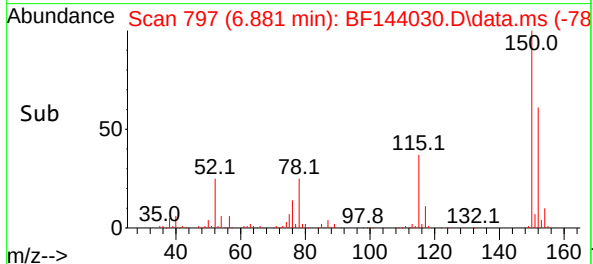
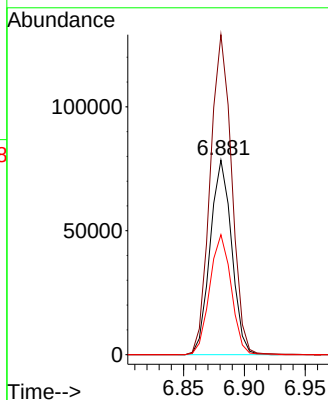
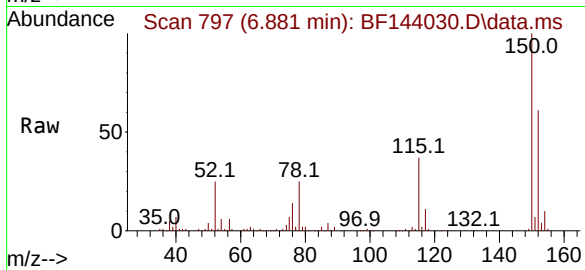




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.005 min
 Lab File: BF144030.D
 Acq: 21 Oct 2025 23:51

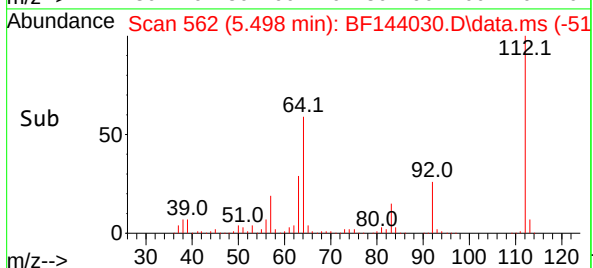
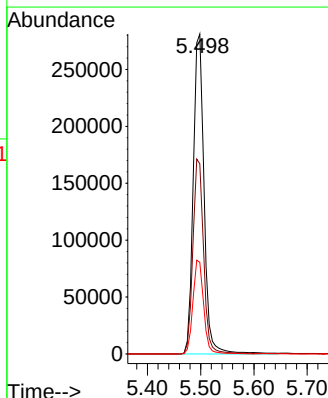
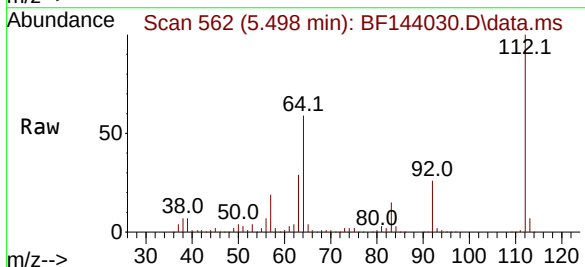
Instrument :
 BNA_F
 ClientSampleId :
 PR132-S10-022047-20251017

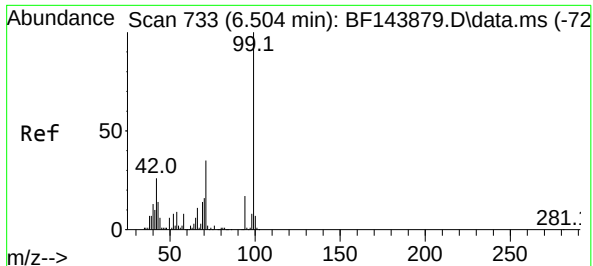
Tgt Ion:152 Resp: 96300
 Ion Ratio Lower Upper
 152 100
 150 164.5 124.4 186.6
 115 61.7 48.1 72.1



#5
 2-Fluorophenol
 Concen: 65.768 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.000 min
 Lab File: BF144030.D
 Acq: 21 Oct 2025 23:51

Tgt Ion:112 Resp: 398838
 Ion Ratio Lower Upper
 112 100
 64 59.5 49.1 73.7
 63 28.7 24.5 36.7

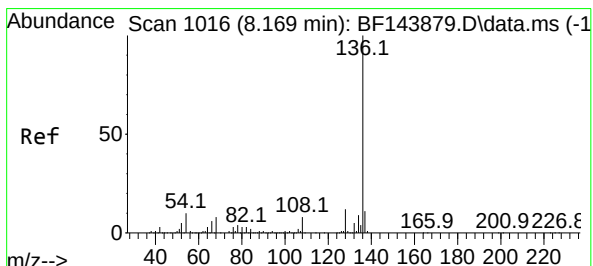
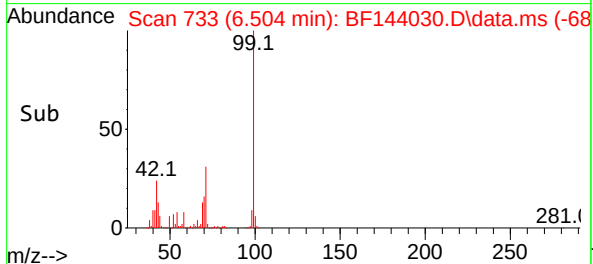
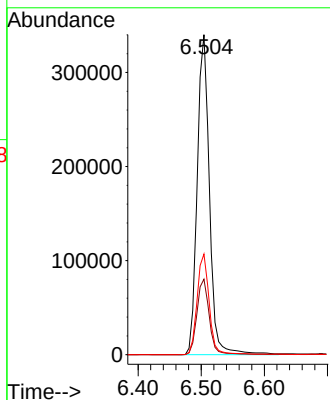
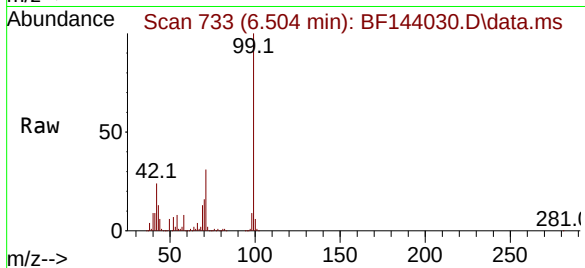




#7
Phenol-d6
Concen: 63.240 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144030.D
Acq: 21 Oct 2025 23:51

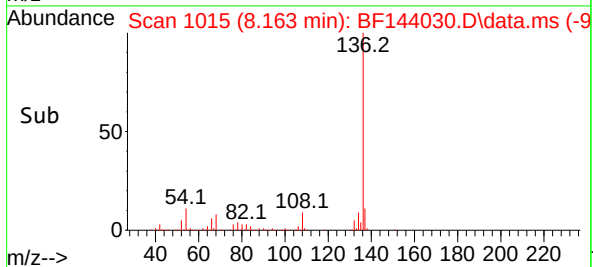
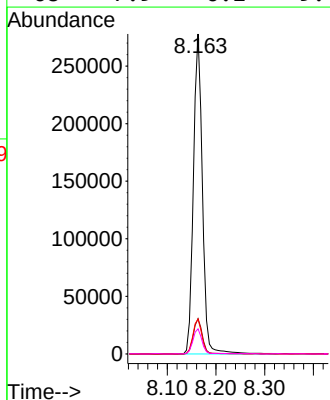
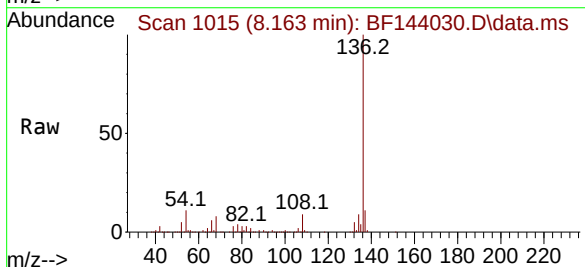
Instrument :
BNA_F
ClientSampleId :
PR132-S10-022047-20251017

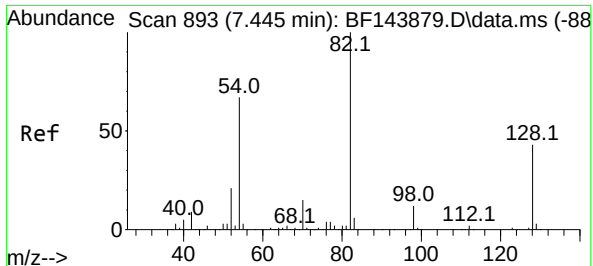
Tgt Ion: 99 Resp: 457122
Ion Ratio Lower Upper
99 100
42 23.6 21.0 31.4
71 31.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144030.D
Acq: 21 Oct 2025 23:51

Tgt Ion: 136 Resp: 359740
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.9 8.2 12.4
68 7.9 6.2 9.4





#23

Nitrobenzene-d5

Concen: 42.756 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF144030.D

Acq: 21 Oct 2025 23:51

Instrument :

BNA_F

ClientSampleId :

PR132-S10-022047-20251017

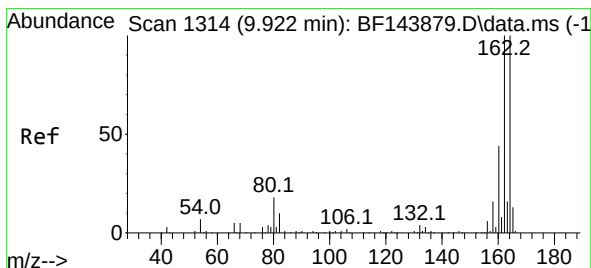
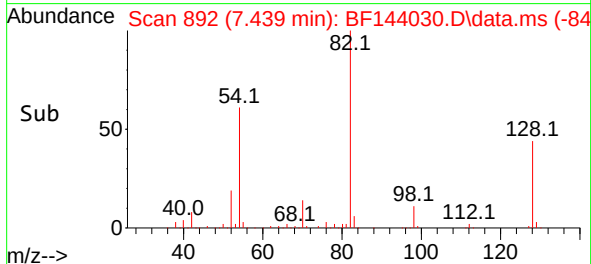
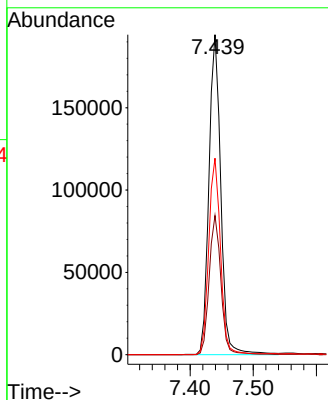
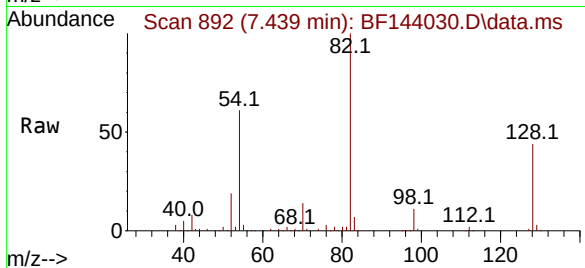
Tgt Ion: 82 Resp: 253163

Ion Ratio Lower Upper

82 100

128 43.5 34.0 51.0

54 61.4 53.2 79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF144030.D

Acq: 21 Oct 2025 23:51

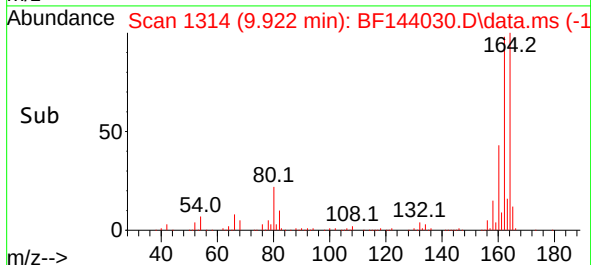
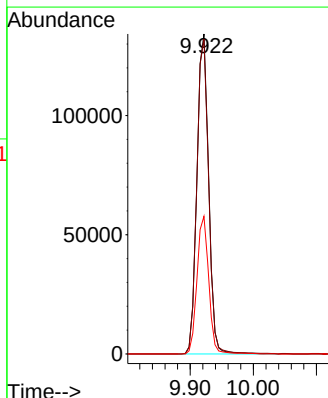
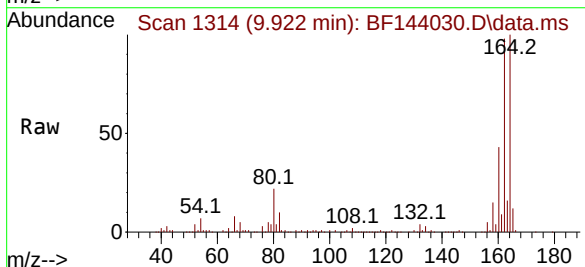
Tgt Ion:164 Resp: 172359

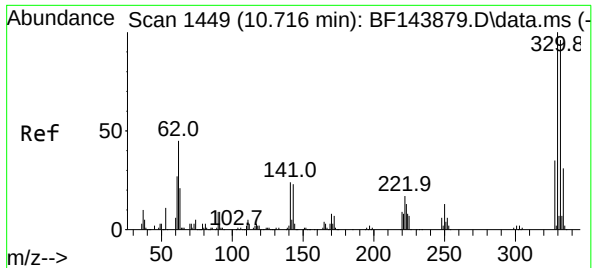
Ion Ratio Lower Upper

164 100

162 98.4 80.2 120.2

160 43.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 44.673 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144030.D

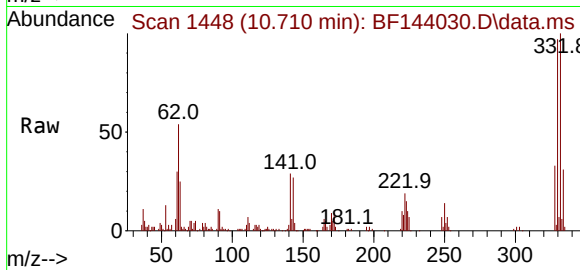
Acq: 21 Oct 2025 23:51

Instrument :

BNA_F

ClientSampleId :

PR132-S10-022047-20251017



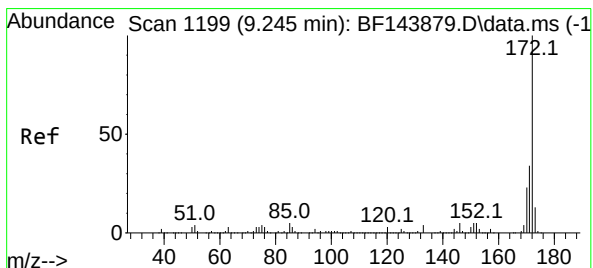
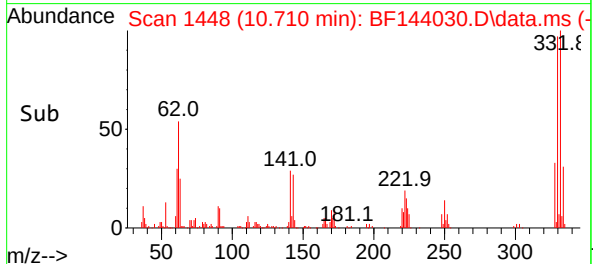
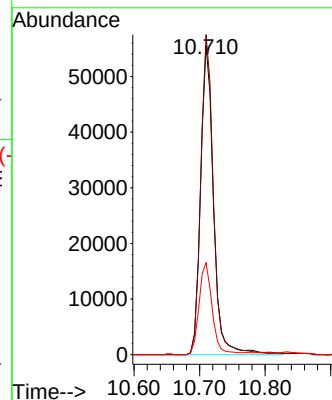
Tgt Ion:330 Resp: 76692

Ion Ratio Lower Upper

330 100

332 101.2 76.9 115.3

141 30.8 20.2 30.4#



#45

2-Fluorobiphenyl

Concen: 34.398 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144030.D

Acq: 21 Oct 2025 23:51

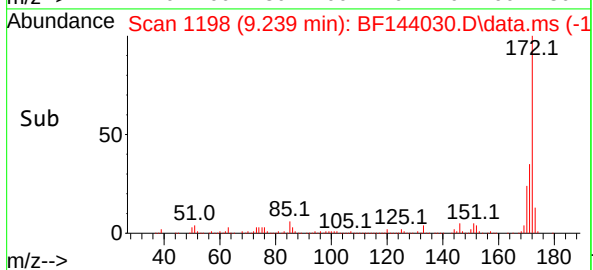
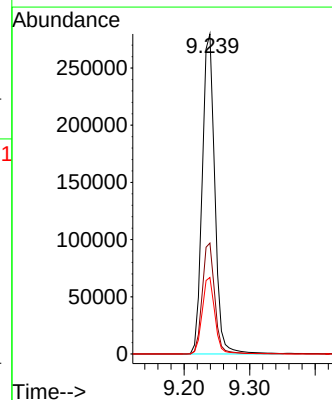
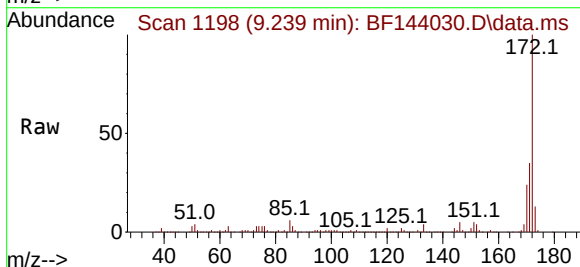
Tgt Ion:172 Resp: 373648

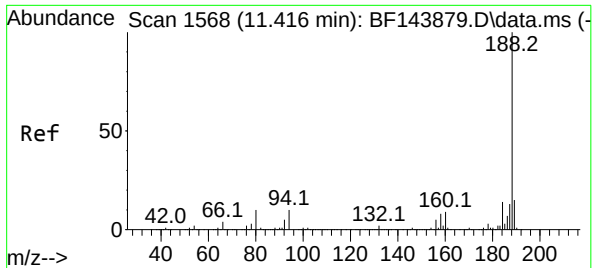
Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.0

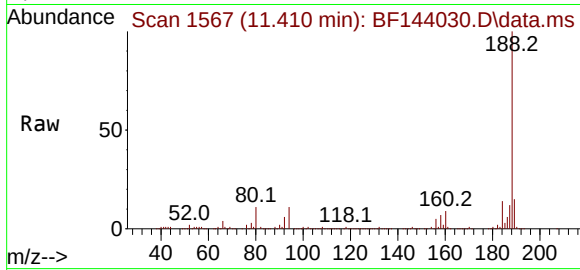
170 23.9 18.6 28.0



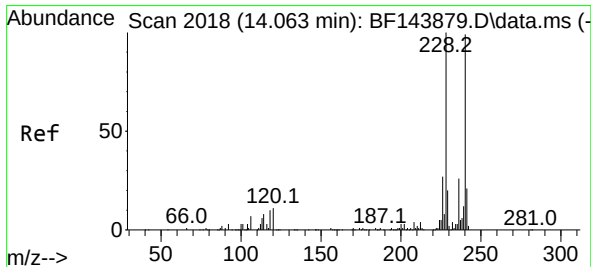
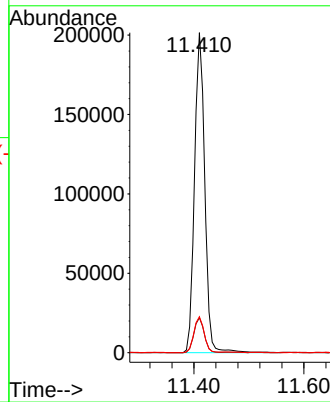
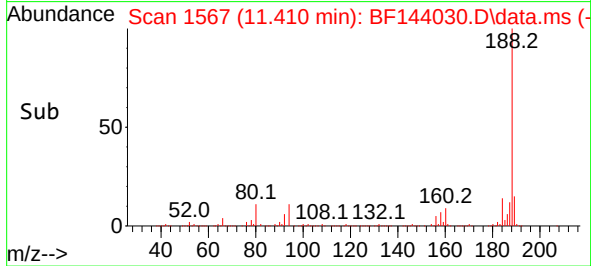


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144030.D
Acq: 21 Oct 2025 23:51

Instrument :
BNA_F
ClientSampleId :
PR132-S10-022047-20251017

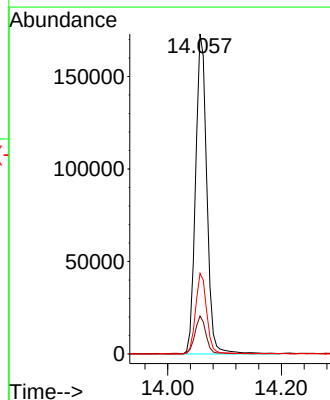
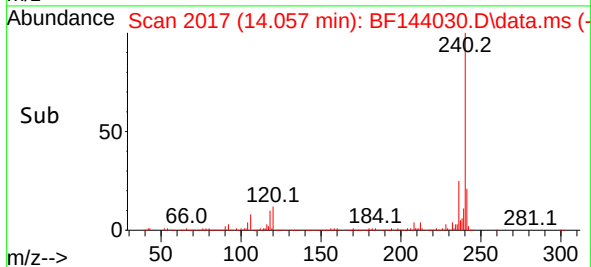
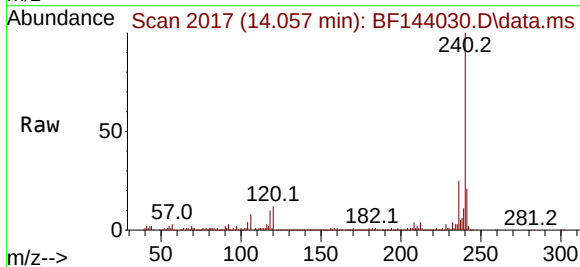


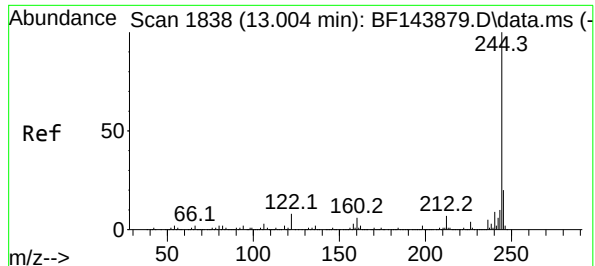
Tgt Ion:188 Resp: 260149
Ion Ratio Lower Upper
188 100
94 10.9 7.8 11.6
80 11.3 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144030.D
Acq: 21 Oct 2025 23:51

Tgt Ion:240 Resp: 239581
Ion Ratio Lower Upper
240 100
120 11.8 8.6 13.0
236 25.2 21.1 31.7





#79

Terphenyl-d14

Concen: 27.725 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144030.D

Acq: 21 Oct 2025 23:51

Instrument :

BNA_F

ClientSampleId :

PR132-S10-022047-20251017

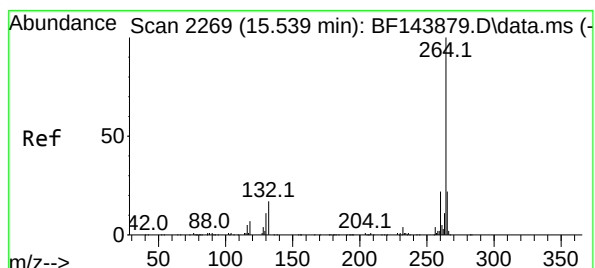
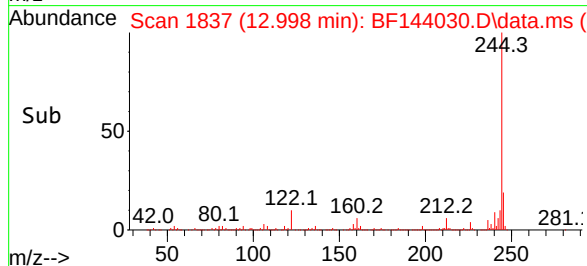
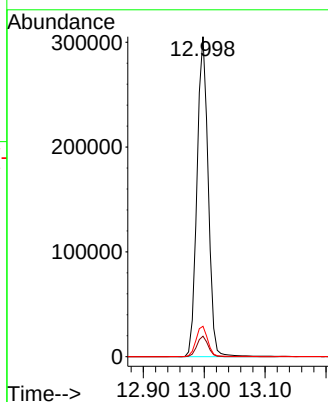
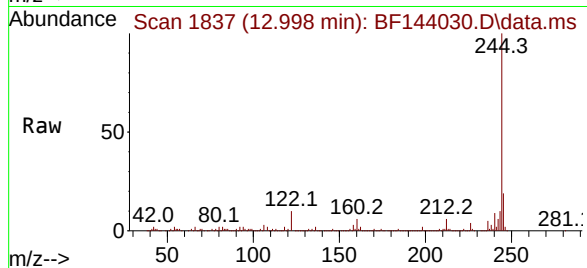
Tgt Ion:244 Resp: 388651

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 9.5 6.4 9.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF144030.D

Acq: 21 Oct 2025 23:51

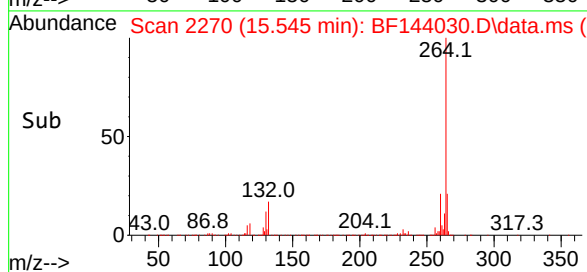
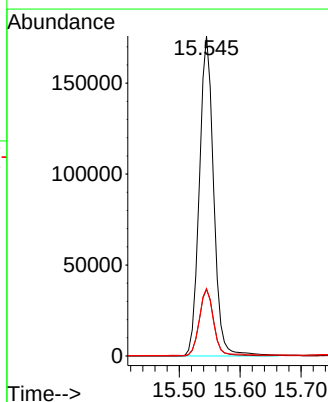
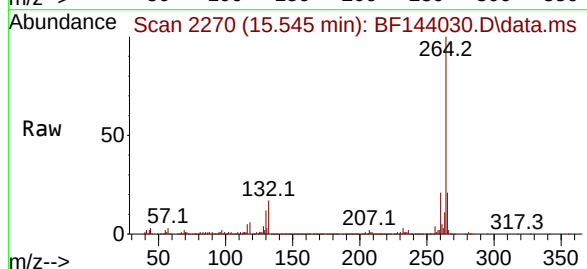
Tgt Ion:264 Resp: 287667

Ion Ratio Lower Upper

264 100

260 20.8 17.8 26.8

265 21.1 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144030.D
Acq On : 21 Oct 2025 23:51
Operator : RC/JU
Sample : Q3393-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-022047-20251017

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144030.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	490	493	500	rVB	14111	22074	1.60%	0.202%
2	5.493	556	561	574	rBV	965233	1363504	98.63%	12.464%
3	6.504	727	733	749	rBV	1018737	1382424	100.00%	12.637%
4	6.881	792	797	803	rVB	484228	595766	43.10%	5.446%
5	7.439	887	892	902	rBV	592784	759105	54.91%	6.939%
6	8.163	1010	1015	1021	rBV	569657	725072	52.45%	6.628%
7	8.216	1021	1024	1028	rVV	21409	31526	2.28%	0.288%
8	8.386	1047	1053	1059	rVV7	6645	14422	1.04%	0.132%
9	8.581	1082	1086	1089	rBV	16989	22886	1.66%	0.209%
10	8.704	1103	1107	1112	rBV6	7379	13876	1.00%	0.127%
11	9.181	1181	1188	1192	rBV	21184	35188	2.55%	0.322%
12	9.239	1192	1198	1207	rVV	761258	1018270	73.66%	9.308%
13	9.322	1208	1212	1216	rVV4	11390	17066	1.23%	0.156%
14	9.633	1260	1265	1270	rBV2	35427	55665	4.03%	0.509%
15	9.786	1287	1291	1294	rBV2	14019	20389	1.47%	0.186%
16	9.828	1295	1298	1302	rVB3	12516	16388	1.19%	0.150%
17	9.922	1308	1314	1323	rVB	549203	714489	51.68%	6.531%
18	10.175	1354	1357	1365	rVB9	10091	16461	1.19%	0.150%
19	10.569	1420	1424	1429	rVB	19716	28189	2.04%	0.258%
20	10.633	1430	1435	1443	rBV	148563	194706	14.08%	1.780%
21	10.710	1443	1448	1459	rVV	436694	594841	43.03%	5.438%
22	10.833	1465	1469	1476	rVB	39125	59255	4.29%	0.542%
23	11.298	1545	1548	1555	rVB3	22702	36972	2.67%	0.338%
24	11.410	1562	1567	1576	rBV	487458	653284	47.26%	5.972%
25	11.933	1653	1656	1663	rVB5	19243	27542	1.99%	0.252%
26	12.627	1771	1774	1778	rBV	21979	27358	1.98%	0.250%
27	12.857	1810	1813	1818	rBV	17956	25304	1.83%	0.231%
28	12.998	1832	1837	1847	rBV	766889	984945	71.25%	9.004%
29	13.910	1988	1992	2000	rBV4	31108	62969	4.55%	0.576%
30	14.057	2012	2017	2027	rVB	475058	683446	49.44%	6.248%
31	15.545	2264	2270	2279	rVB	437365	735981	53.24%	6.728%

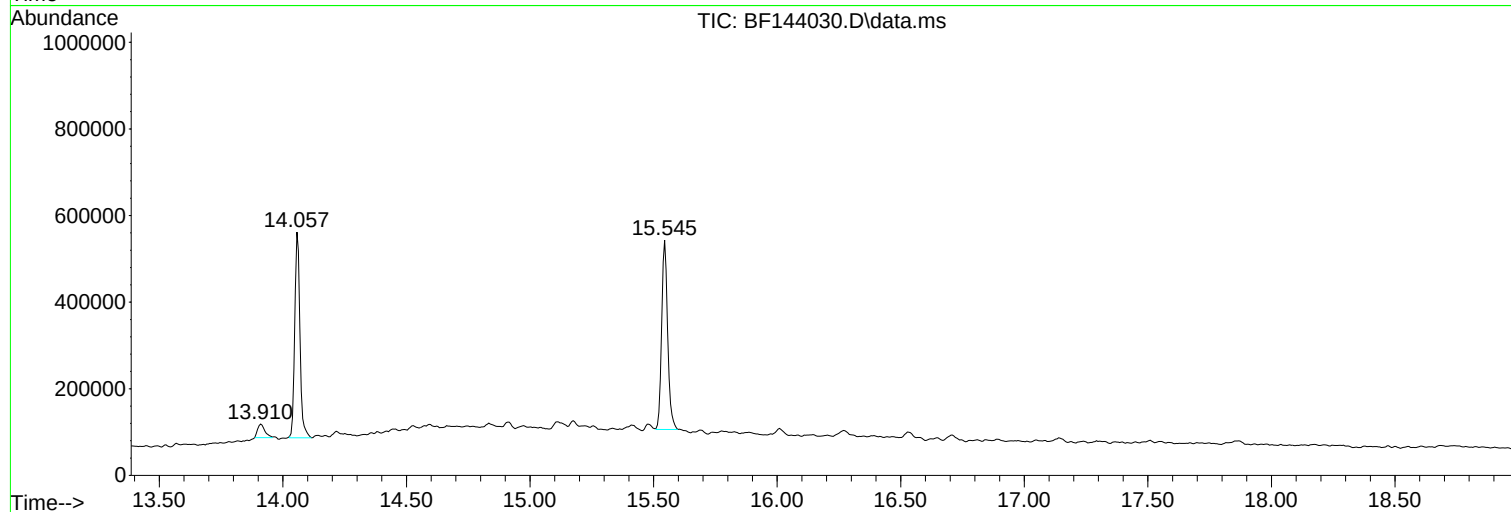
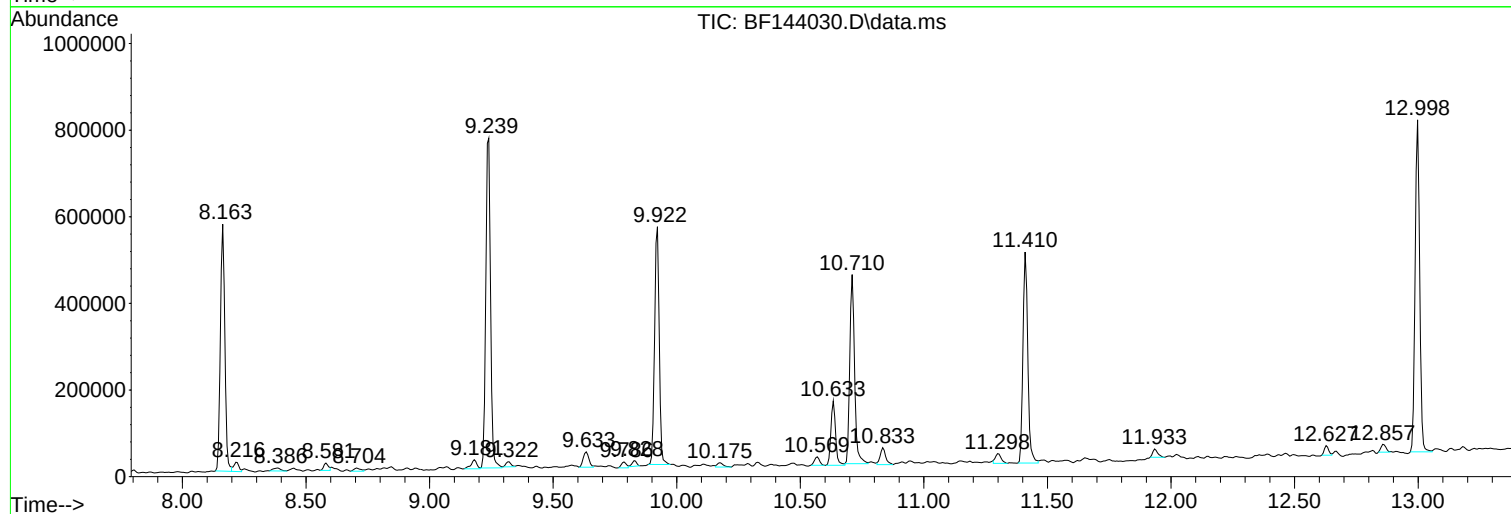
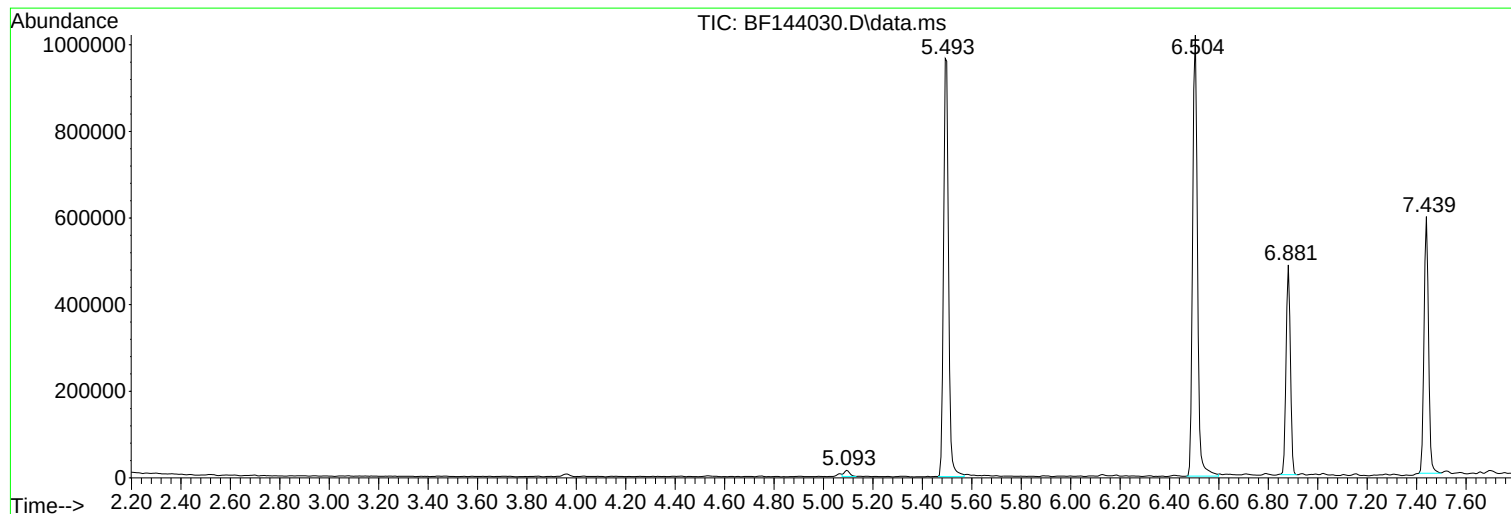
Sum of corrected areas: 10939363

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144030.D
Acq On : 21 Oct 2025 23:51
Operator : RC/JU
Sample : Q3393-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-022047-20251017

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144030.D
Acq On : 21 Oct 2025 23:51
Operator : RC/JU
Sample : Q3393-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-022047-20251017

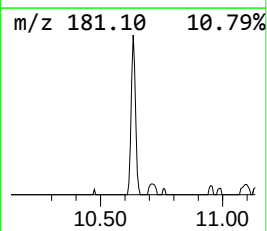
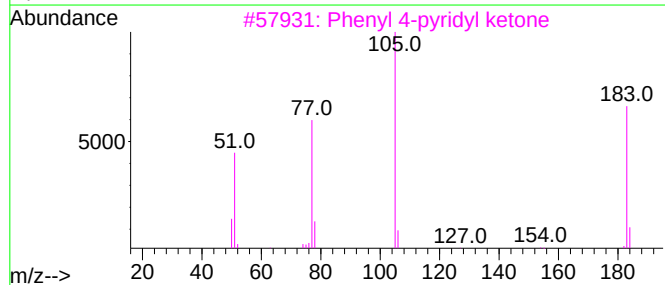
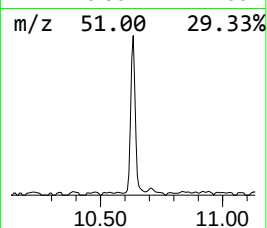
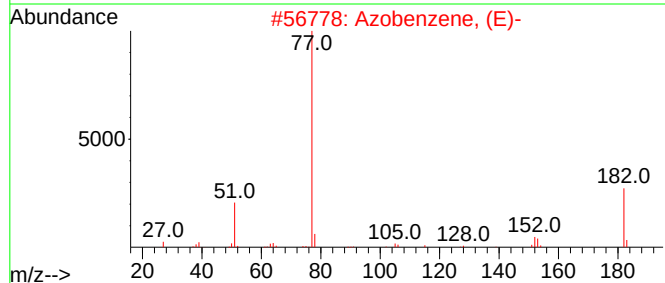
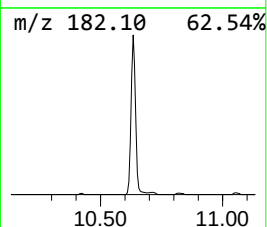
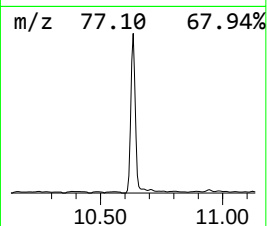
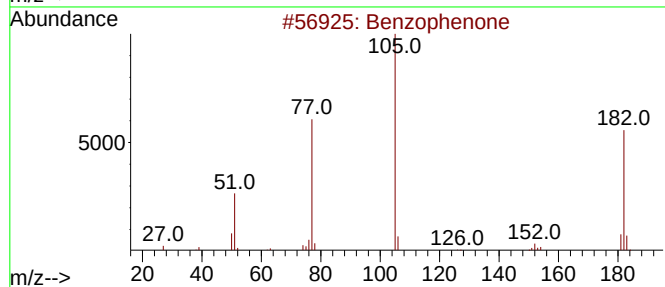
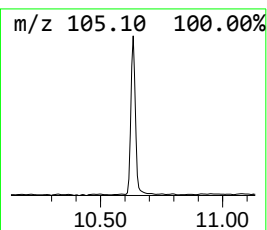
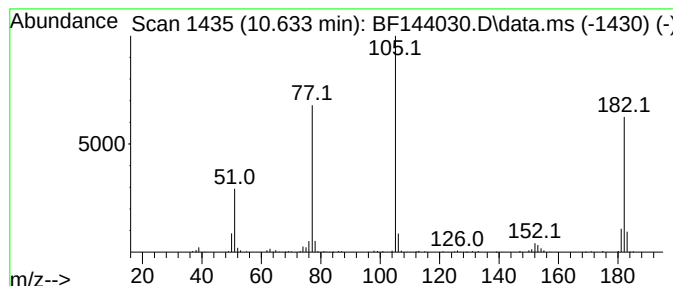
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	5.45 ng	194706	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Azobenzene, (E)-	182	C12H10N2	017082-12-1	53
3			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
4			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	43
5			Benzene, (trimethoxymethyl)-	182	C10H14O3	000707-07-3	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144030.D
Acq On : 21 Oct 2025 23:51
Operator : RC/JU
Sample : Q3393-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S10-022047-20251017

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

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.633	5.5	ng	194706	3	9.922	714489	20.0

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S08-013038-20251017
 Lab Sample ID: Q3393-03
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
 Date Received: 10/17/25
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 52.8
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	620	U	1	290	620	ug/Kg	10/22/25 13:24	PB170180
108-95-2	Phenol	320	U	1	41.8	320	ug/Kg	10/22/25 13:24	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	45.9	320	ug/Kg	10/22/25 13:24	PB170180
95-57-8	2-Chlorophenol	320	U	1	46.1	320	ug/Kg	10/22/25 13:24	PB170180
95-48-7	2-Methylphenol	320	U	1	56.5	320	ug/Kg	10/22/25 13:24	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	70.9	320	ug/Kg	10/22/25 13:24	PB170180
98-86-2	Acetophenone	320	U	1	55.8	320	ug/Kg	10/22/25 13:24	PB170180
65794-96-9	3+4-Methylphenols	620	U	1	77.7	620	ug/Kg	10/22/25 13:24	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	89.6	150	ug/Kg	10/22/25 13:24	PB170180
67-72-1	Hexachloroethane	320	U	1	33.3	320	ug/Kg	10/22/25 13:24	PB170180
98-95-3	Nitrobenzene	320	U	1	34.6	320	ug/Kg	10/22/25 13:24	PB170180
78-59-1	Isophorone	320	U	1	62.0	320	ug/Kg	10/22/25 13:24	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/22/25 13:24	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/22/25 13:24	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	58.2	320	ug/Kg	10/22/25 13:24	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	53.5	320	ug/Kg	10/22/25 13:24	PB170180
91-20-3	Naphthalene	320	U	1	42.9	320	ug/Kg	10/22/25 13:24	PB170180
106-47-8	4-Chloroaniline	320	U	1	66.9	320	ug/Kg	10/22/25 13:24	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.8	320	ug/Kg	10/22/25 13:24	PB170180
105-60-2	Caprolactam	620	U	1	98.5	620	ug/Kg	10/22/25 13:24	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	54.2	320	ug/Kg	10/22/25 13:24	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	48.4	320	ug/Kg	10/22/25 13:24	PB170180
77-47-4	Hexachlorocyclopentadiene	620	U	1	220	620	ug/Kg	10/22/25 13:24	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	37.4	320	ug/Kg	10/22/25 13:24	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	55.0	320	ug/Kg	10/22/25 13:24	PB170180
92-52-4	1,1-Biphenyl	320	U	1	41.2	320	ug/Kg	10/22/25 13:24	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	42.5	320	ug/Kg	10/22/25 13:24	PB170180
88-74-4	2-Nitroaniline	320	U	1	90.9	320	ug/Kg	10/22/25 13:24	PB170180
131-11-3	Dimethylphthalate	320	U	1	51.2	320	ug/Kg	10/22/25 13:24	PB170180
208-96-8	Acenaphthylene	320	U	1	54.6	320	ug/Kg	10/22/25 13:24	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	63.5	320	ug/Kg	10/22/25 13:24	PB170180
99-09-2	3-Nitroaniline	320	U	1	86.9	320	ug/Kg	10/22/25 13:24	PB170180
83-32-9	Acenaphthene	320	U	1	40.3	320	ug/Kg	10/22/25 13:24	PB170180
51-28-5	2,4-Dinitrophenol	620	U	1	430	620	ug/Kg	10/22/25 13:24	PB170180
100-02-7	4-Nitrophenol	620	U	1	200	620	ug/Kg	10/22/25 13:24	PB170180
132-64-9	Dibenzofuran	320	U	1	42.9	320	ug/Kg	10/22/25 13:24	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	94.7	320	ug/Kg	10/22/25 13:24	PB170180
84-66-2	Diethylphthalate	320	U	1	53.5	320	ug/Kg	10/22/25 13:24	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	50.5	320	ug/Kg	10/22/25 13:24	PB170180
86-73-7	Fluorene	320	U	1	47.8	320	ug/Kg	10/22/25 13:24	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/22/25 13:24	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	620	U	1	190	620	ug/Kg	10/22/25 13:24	PB170180

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S08-013038-20251017
 Lab Sample ID: Q3393-03
 Analytical Method: 8270E Level: LOW
 Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
 Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
 Date Received: 10/17/25
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 52.8
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	62.2	320	ug/Kg	10/22/25 13:24	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	52.5	320	ug/Kg	10/22/25 13:24	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.8	320	ug/Kg	10/22/25 13:24	PB170180
1912-24-9	Atrazine	320	U	1	64.3	320	ug/Kg	10/22/25 13:24	PB170180
87-86-5	Pentachlorophenol	620	U	1	97.0	620	ug/Kg	10/22/25 13:24	PB170180
85-01-8	Phenanthrene	190	J	1	39.5	320	ug/Kg	10/22/25 13:24	PB170180
120-12-7	Anthracene	320	U	1	62.9	320	ug/Kg	10/22/25 13:24	PB170180
86-74-8	Carbazole	320	U	1	59.0	320	ug/Kg	10/22/25 13:24	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	90.5	320	ug/Kg	10/22/25 13:24	PB170180
206-44-0	Fluoranthene	190	J	1	56.7	320	ug/Kg	10/22/25 13:24	PB170180
129-00-0	Pyrene	320	U	1	68.0	320	ug/Kg	10/22/25 13:24	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	130	320	ug/Kg	10/22/25 13:24	PB170180
91-94-1	3,3-Dichlorobenzidine	620	U	1	69.4	620	ug/Kg	10/22/25 13:24	PB170180
56-55-3	Benzo(a)anthracene	320	U	1	43.5	320	ug/Kg	10/22/25 13:24	PB170180
218-01-9	Chrysene	320	U	1	37.6	320	ug/Kg	10/22/25 13:24	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/22/25 13:24	PB170180
117-84-0	Di-n-octyl phthalate	620	U	1	160	620	ug/Kg	10/22/25 13:24	PB170180
205-99-2	Benzo(b)fluoranthene	320	U	1	35.9	320	ug/Kg	10/22/25 13:24	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	42.3	320	ug/Kg	10/22/25 13:24	PB170180
50-32-8	Benzo(a)pyrene	320	U	1	55.8	320	ug/Kg	10/22/25 13:24	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	55.0	320	ug/Kg	10/22/25 13:24	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.8	320	ug/Kg	10/22/25 13:24	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	48.6	320	ug/Kg	10/22/25 13:24	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	48.4	320	ug/Kg	10/22/25 13:24	PB170180
123-91-1	1,4-Dioxane	320	U	1	85.4	320	ug/Kg	10/22/25 13:24	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.8	320	ug/Kg	10/22/25 13:24	PB170180

SURROGATES

367-12-4	2-Fluorophenol	63.0		18 - 112	42%	SPK: 150
13127-88-3	Phenol-d6	59.0		15 - 107	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.4		18 - 107	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.0		20 - 109	36%	SPK: 100
118-79-6	2,4,6-Tribromophenol	41.3		10 - 116	28%	SPK: 150
1718-51-0	Terphenyl-d14	29.5		10 - 105	29%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	87600
1146-65-2 Naphthalene-d8	317000
15067-26-2 Acenaphthene-d10	155000
1517-22-2 Phenanthrene-d10	247000
1719-03-5 Chrysene-d12	223000
1520-96-3 Perylene-d12	266000

TENTATIVE IDENTIFIED COMPOUNDS

017301-23-4 Undecane, 2,6-dimethyl-	140	J	8.22	ug/Kg
013151-29-6 1-Decene, 4-methyl-	150	J	9.63	ug/Kg

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S08-013038-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.8
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	240	J			10.6	ug/Kg		

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\BF102225\
Data File : BF144038.D
Acq On : 22 Oct 2025 13:24
Operator : RC/JU
Sample : Q3393-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

Quant Time: Oct 22 13:44:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

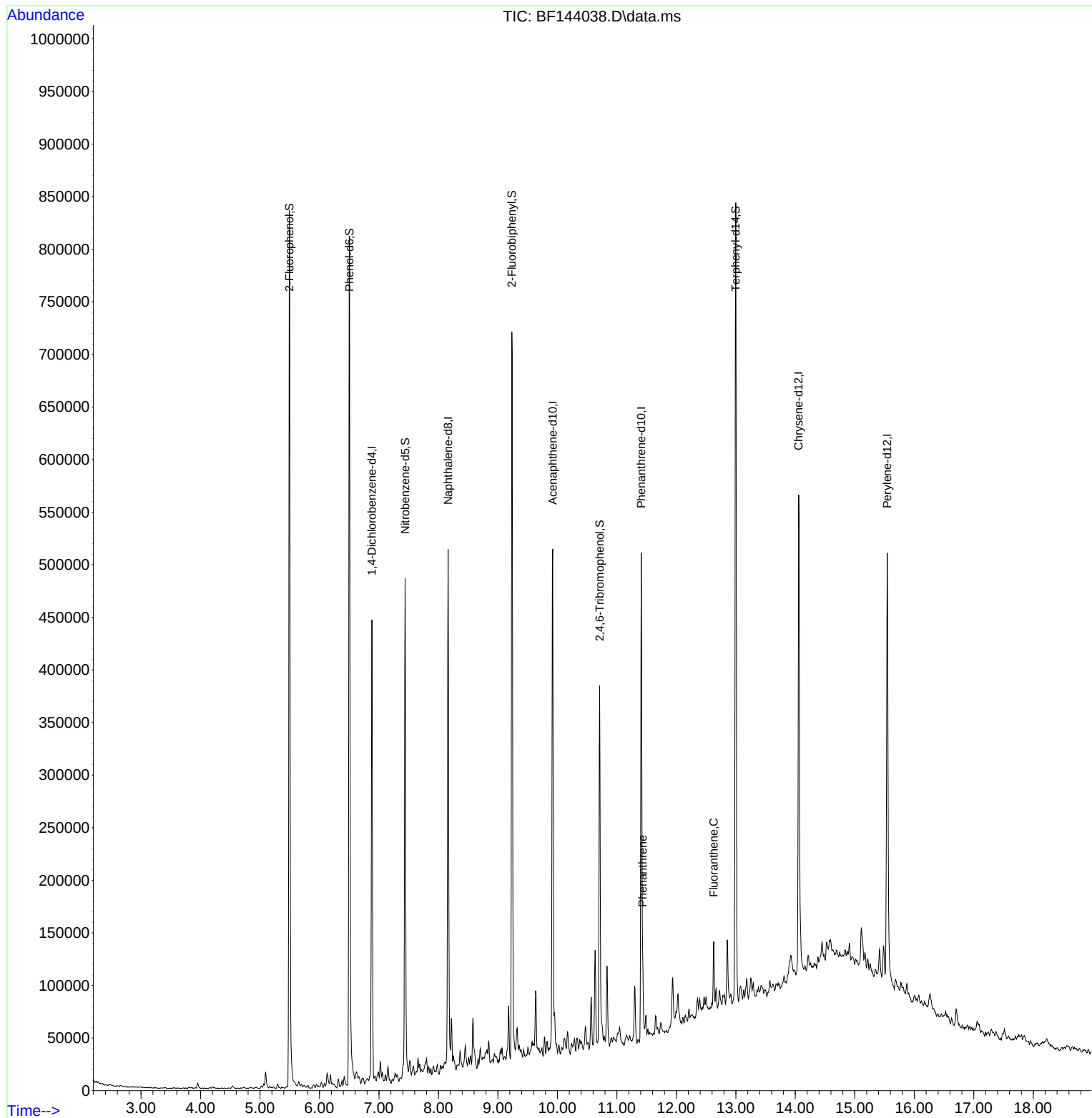
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	87568	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	316694	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	154579	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	247206	20.000	ng	0.00
76) Chrysene-d12	14.057	240	223252	20.000	ng	-0.01
86) Perylene-d12	15.545	264	266238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	347203	62.963	ng	0.00
7) Phenol-d6	6.504	99	388128	59.050	ng	-0.01
23) Nitrobenzene-d5	7.439	82	205152	39.357	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	63642	41.336	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	350427	35.971	ng	-0.02
79) Terphenyl-d14	12.998	244	385192	29.488	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	36558	3.050	ng	98
75) Fluoranthene	12.627	202	36459	2.945	ng	96

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

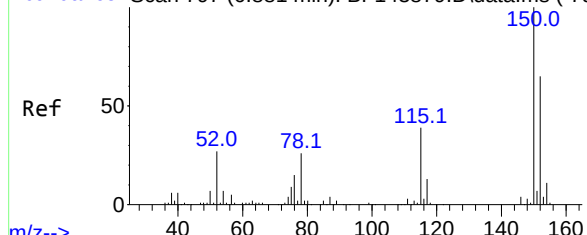
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144038.D
Acq On : 22 Oct 2025 13:24
Operator : RC/JU
Sample : Q3393-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

Quant Time: Oct 22 13:44:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

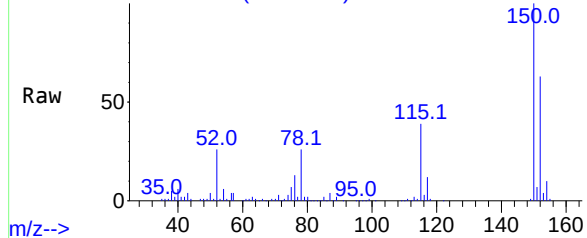


Abundance Scan 797 (6.881 min): BF143879.D\data.ms (-79



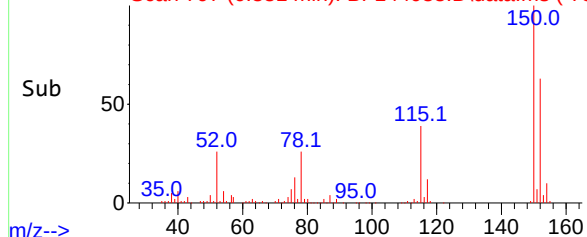
m/z-->

Abundance Scan 797 (6.881 min): BF144038.D\data.ms



m/z-->

Abundance Scan 797 (6.881 min): BF144038.D\data.ms (-78



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.881 min Scan# 797

Delta R.T. -0.005 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

Instrument :

BNA_F

ClientSampleId :

PR132-S08-013038-20251017

Tgt Ion:152 Resp: 87568

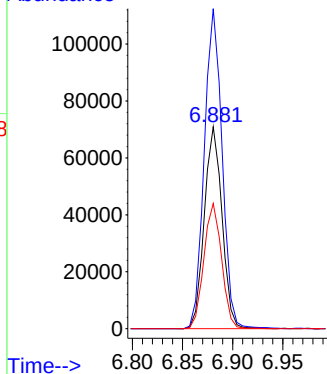
Ion Ratio Lower Upper

152 100

150 158.5 124.4 186.6

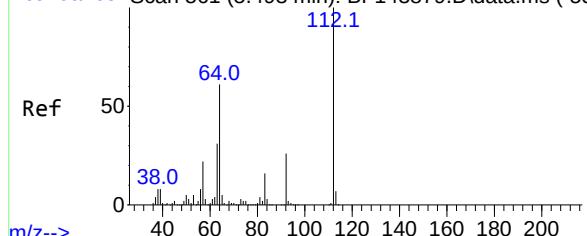
115 61.9 48.1 72.1

Abundance



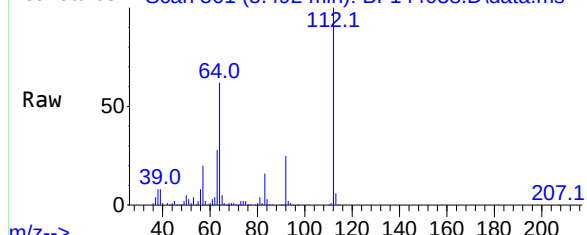
Time-->

Abundance Scan 561 (5.493 min): BF143879.D\data.ms (-55



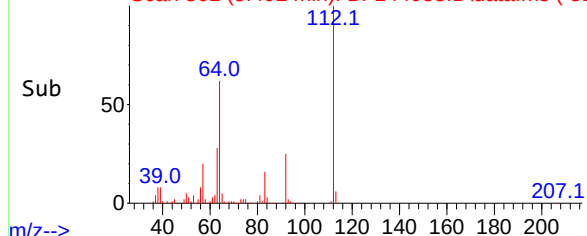
m/z-->

Abundance Scan 561 (5.492 min): BF144038.D\data.ms



m/z-->

Abundance Scan 561 (5.492 min): BF144038.D\data.ms (-51



m/z-->

#5

2-Fluorophenol

Concen: 62.963 ng

RT: 5.492 min Scan# 561

Delta R.T. -0.006 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

Tgt Ion:112 Resp: 347203

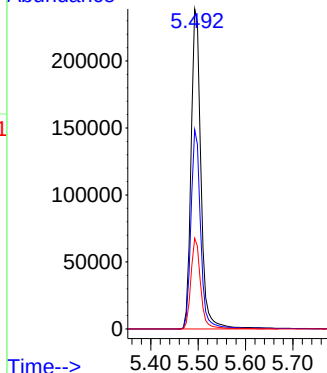
Ion Ratio Lower Upper

112 100

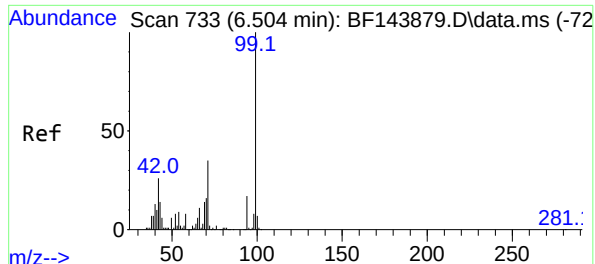
64 62.3 49.1 73.7

63 28.4 24.5 36.7

Abundance



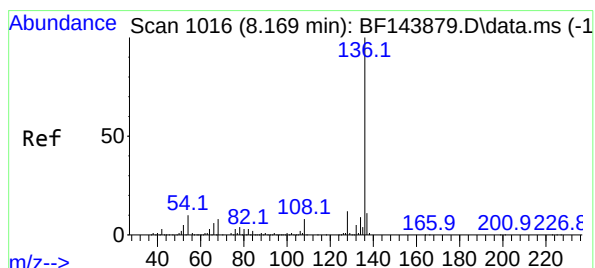
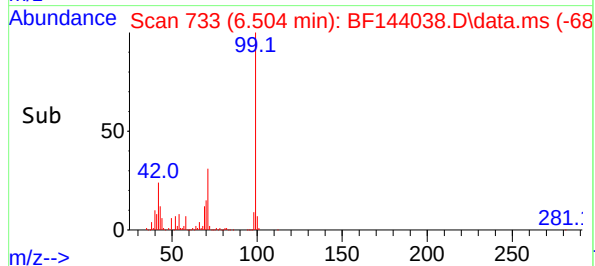
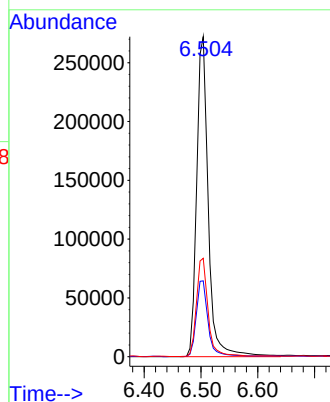
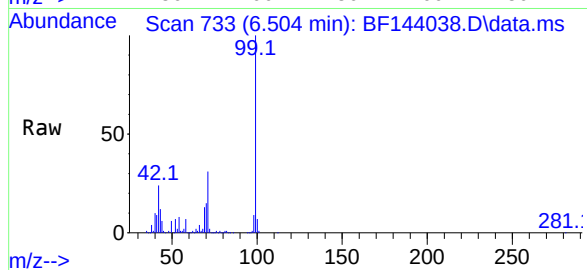
Time-->



#7
Phenol-d6
Concen: 59.050 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

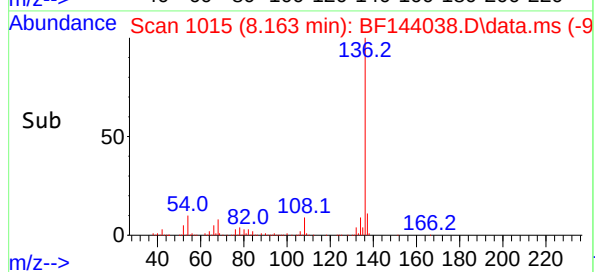
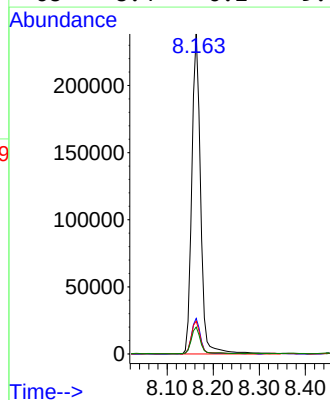
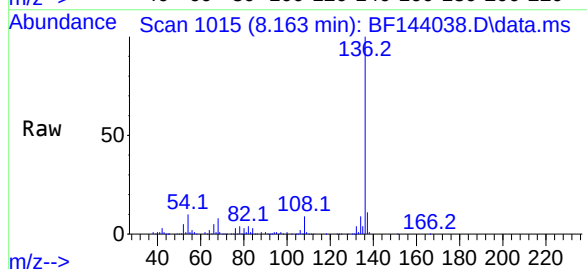
Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

Tgt Ion: 99 Resp: 388128
Ion Ratio Lower Upper
99 100
42 23.7 21.0 31.4
71 30.7 27.8 41.8

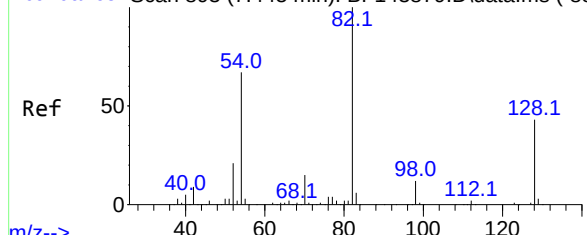


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

Tgt Ion: 136 Resp: 316694
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 10.3 8.2 12.4
68 8.4 6.2 9.4



Abundance Scan 893 (7.445 min): BF143879.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 39.357 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

Instrument :

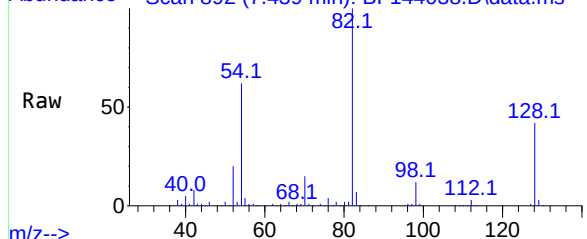
BNA_F

ClientSampleId :

PR132-S08-013038-20251017

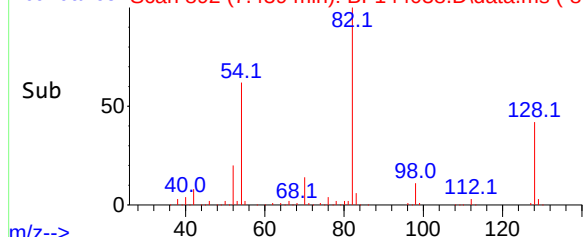
m/z-->

Abundance Scan 892 (7.439 min): BF144038.D\data.ms



m/z-->

Abundance Scan 892 (7.439 min): BF144038.D\data.ms (-84



m/z-->

Tgt Ion: 82 Resp: 205152

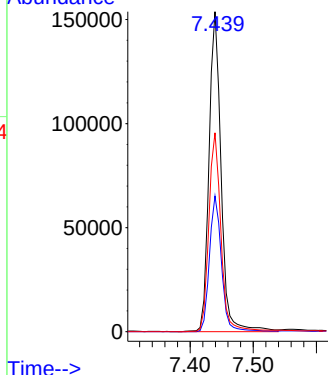
Ion Ratio Lower Upper

82 100

128 42.4 34.0 51.0

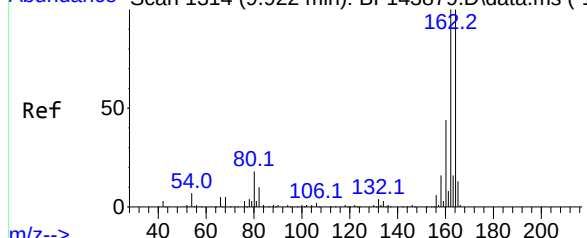
54 62.1 53.2 79.8

Abundance



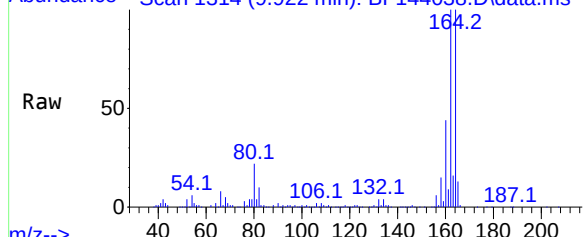
Time-->

Abundance Scan 1314 (9.922 min): BF143879.D\data.ms (-1



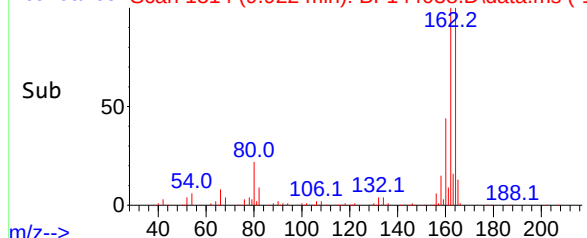
m/z-->

Abundance Scan 1314 (9.922 min): BF144038.D\data.ms



m/z-->

Abundance Scan 1314 (9.922 min): BF144038.D\data.ms (-1



m/z-->

#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

Tgt Ion: 164 Resp: 154579

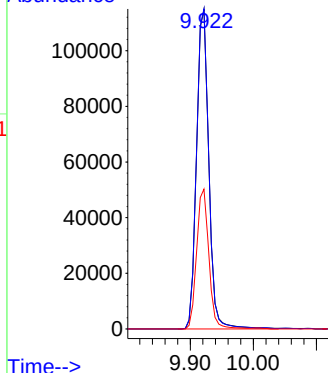
Ion Ratio Lower Upper

164 100

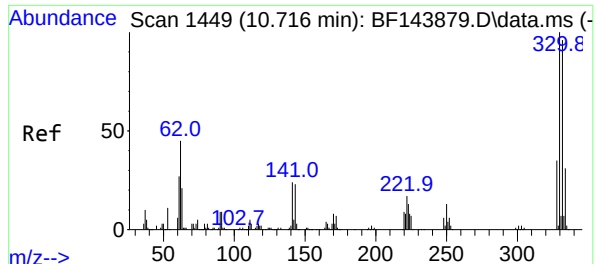
162 100.1 80.2 120.2

160 43.8 35.4 53.0

Abundance



Time-->



#42

2,4,6-Tribromophenol

Concen: 41.336 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

Instrument :

BNA_F

ClientSampleId :

PR132-S08-013038-20251017

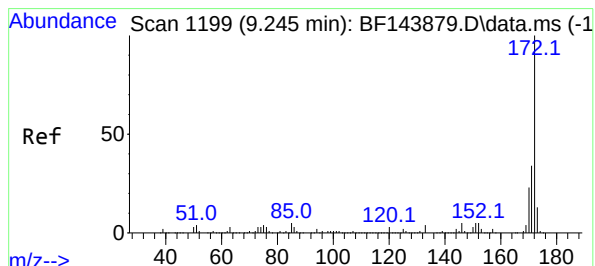
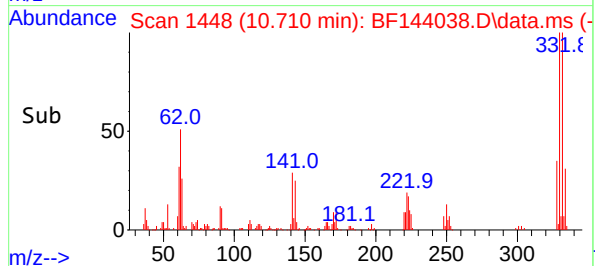
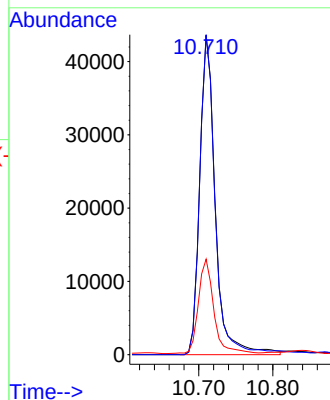
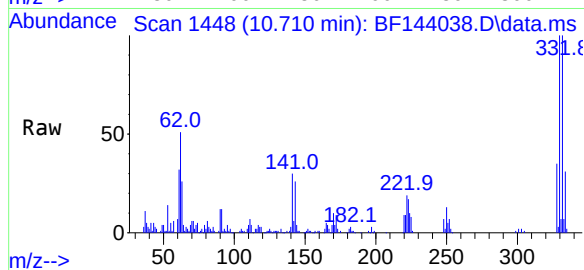
Tgt Ion:330 Resp: 63642

Ion Ratio Lower Upper

330 100

332 100.0 76.9 115.3

141 29.2 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 35.971 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

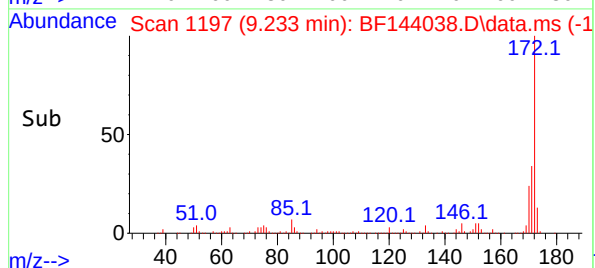
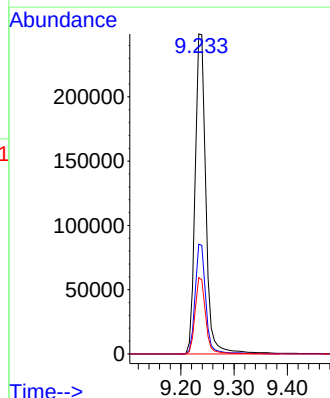
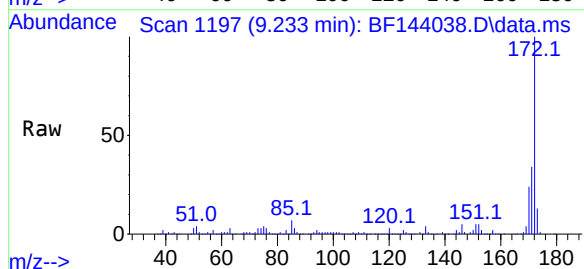
Tgt Ion:172 Resp: 350427

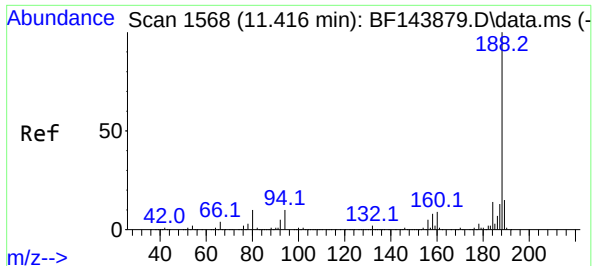
Ion Ratio Lower Upper

172 100

171 34.3 27.4 41.0

170 23.8 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

Instrument :

BNA_F

ClientSampleId :

PR132-S08-013038-20251017

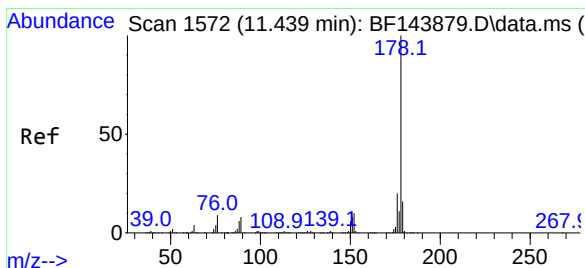
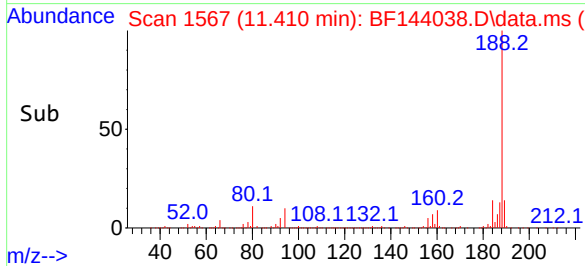
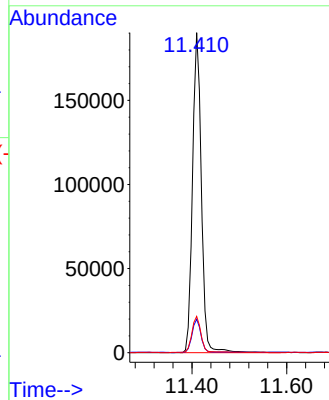
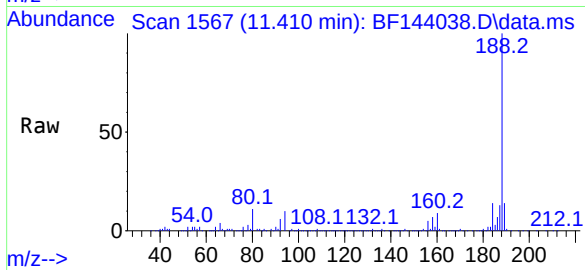
Tgt Ion:188 Resp: 247206

Ion Ratio Lower Upper

188 100

94 10.5 7.8 11.6

80 11.3 7.9 11.9



#71

Phenanthrene

Concen: 3.050 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.012 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

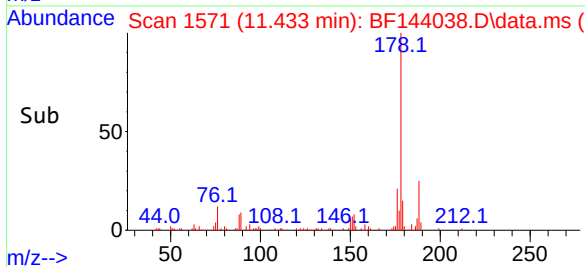
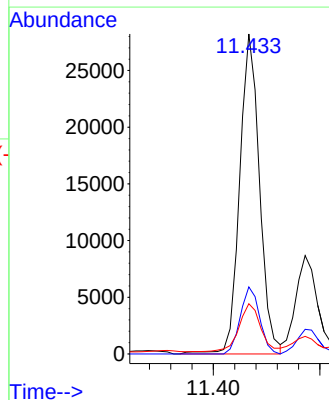
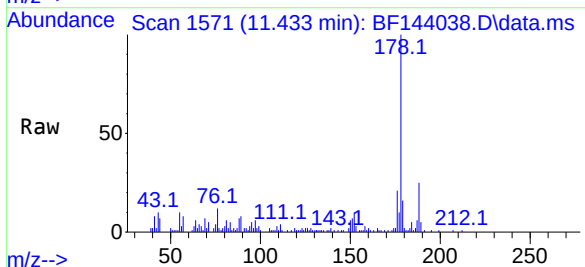
Tgt Ion:178 Resp: 36558

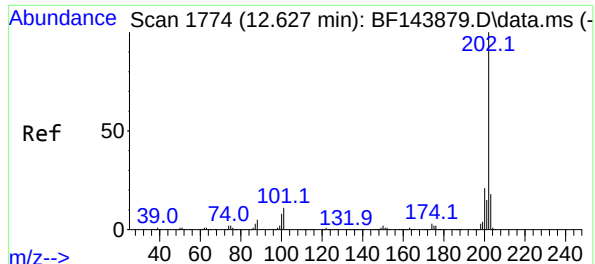
Ion Ratio Lower Upper

178 100

176 21.0 15.9 23.9

179 15.7 12.4 18.6

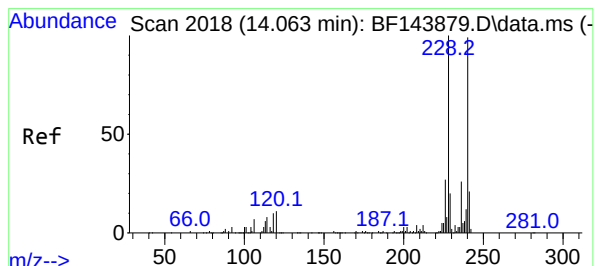
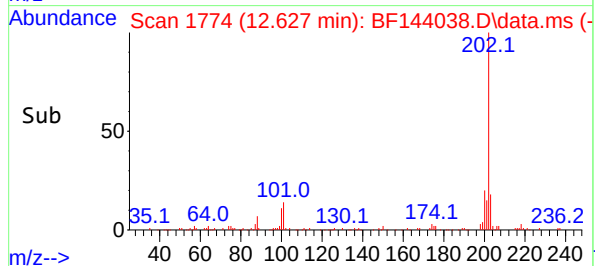
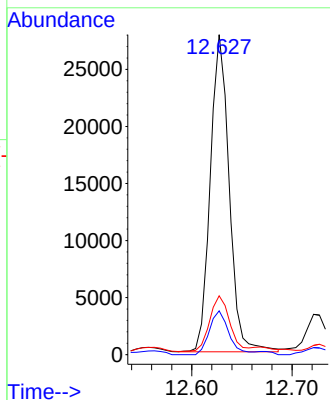
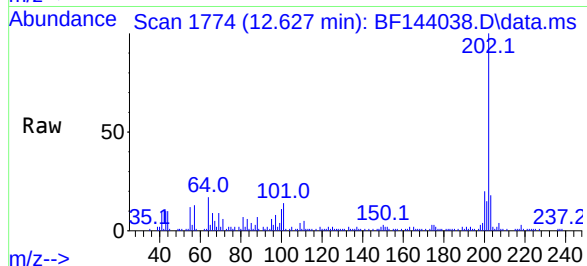




#75
Fluoranthene
Concen: 2.945 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

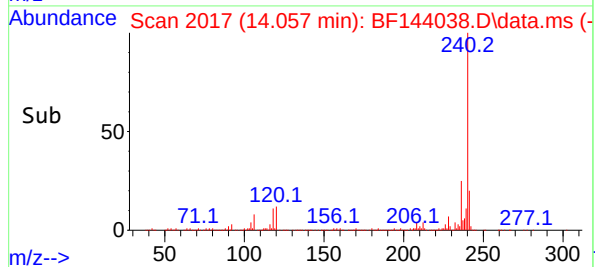
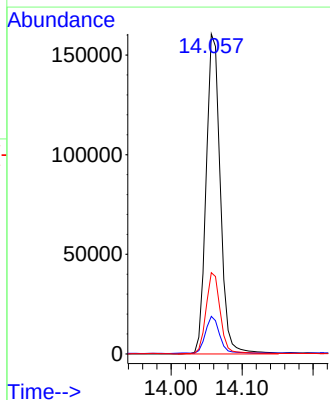
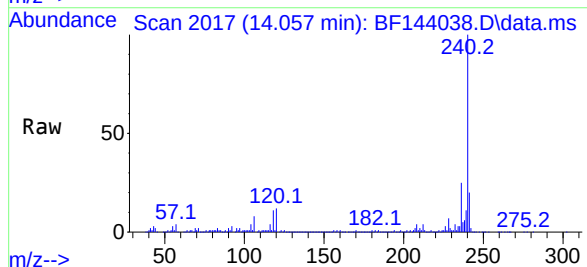
Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

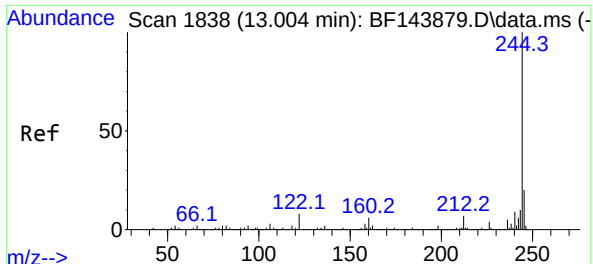
Tgt Ion:	202	Resp:	36459
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	30.7
203	18.4	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

Tgt Ion:	240	Resp:	223252
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.6	13.0
236	25.4	21.1	31.7





#79

Terphenyl-d14

Concen: 29.488 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

Instrument :

BNA_F

ClientSampleId :

PR132-S08-013038-20251017

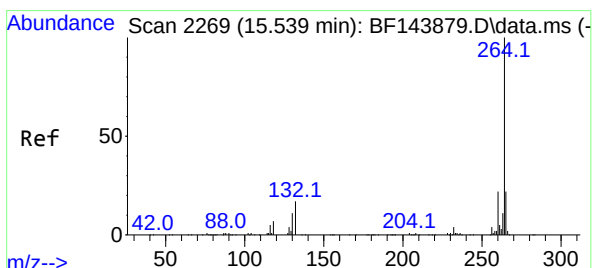
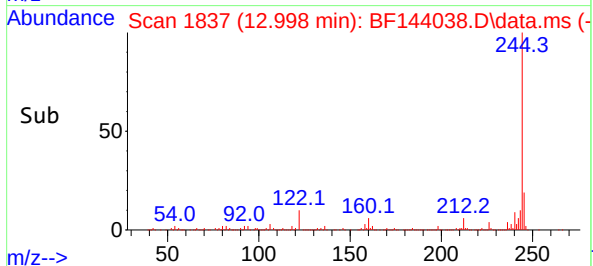
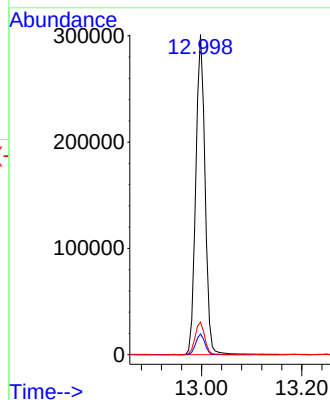
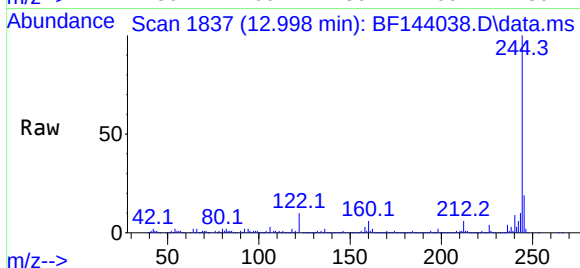
Tgt Ion:244 Resp: 385192

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.2 6.4 9.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

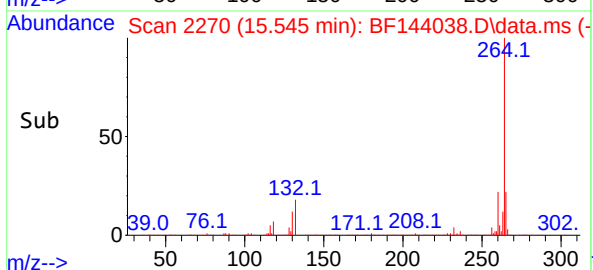
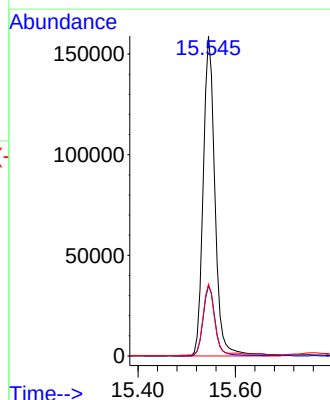
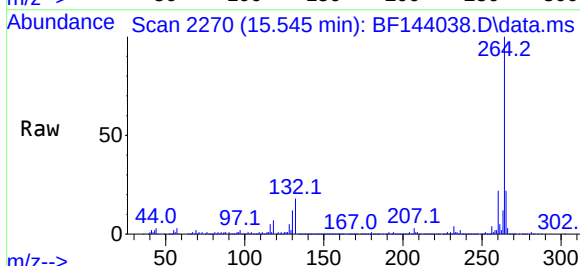
Tgt Ion:264 Resp: 266238

Ion Ratio Lower Upper

264 100

260 22.0 17.8 26.8

265 22.4 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144038.D
Acq On : 22 Oct 2025 13:24
Operator : RC/JU
Sample : Q3393-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144038.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	490	493	501	rVB2	14538	23379	1.97%	0.213%
2	5.492	556	561	584	rBV	833461	1186946	100.00%	10.825%
3	6.128	665	669	675	rBV2	11991	21715	1.83%	0.198%
4	6.316	696	701	705	rBV2	8312	13374	1.13%	0.122%
5	6.416	714	718	727	rBV3	8339	14171	1.19%	0.129%
6	6.504	727	733	748	rBV	807509	1173916	98.90%	10.706%
7	6.622	748	753	758	rVV5	6755	13745	1.16%	0.125%
8	6.804	776	784	788	rBV8	5016	14358	1.21%	0.131%
9	6.881	792	797	803	rVB	436513	551386	46.45%	5.029%
10	6.987	809	815	818	rBV5	8401	16308	1.37%	0.149%
11	7.022	818	821	825	rVV3	17923	26255	2.21%	0.239%
12	7.151	839	843	847	rBV4	12918	17291	1.46%	0.158%
13	7.275	858	864	867	rBV6	7398	13423	1.13%	0.122%
14	7.439	887	892	901	rVB	469044	609218	51.33%	5.556%
15	7.522	901	906	910	rVB4	13648	23377	1.97%	0.213%
16	7.575	910	915	919	rBV4	8407	14929	1.26%	0.136%
17	7.657	926	929	932	rBV	13754	16330	1.38%	0.149%
18	7.798	947	953	957	rVB3	13576	27508	2.32%	0.251%
19	7.916	968	973	977	rBV5	8010	14539	1.22%	0.133%
20	7.981	981	984	989	rVB5	9369	13009	1.10%	0.119%
21	8.034	989	993	996	rBV4	8577	13498	1.14%	0.123%
22	8.104	1001	1005	1008	rVV3	9410	19880	1.67%	0.181%
23	8.163	1010	1015	1021	rVV	496208	670065	56.45%	6.111%
24	8.216	1021	1024	1028	rVV	49597	73014	6.15%	0.666%
25	8.251	1028	1030	1038	rVB6	12876	23915	2.01%	0.218%
26	8.363	1046	1049	1057	rVB5	15201	22689	1.91%	0.207%
27	8.451	1060	1064	1070	rVB5	18756	30806	2.60%	0.281%
28	8.581	1082	1086	1097	rVB2	47793	87996	7.41%	0.803%
29	8.704	1103	1107	1112	rBV3	15187	24853	2.09%	0.227%
30	8.845	1128	1131	1135	rVB	20908	27005	2.28%	0.246%
31	8.939	1144	1147	1151	rBV5	8276	14105	1.19%	0.129%
32	9.039	1161	1164	1166	rBV3	11144	14348	1.21%	0.131%
33	9.180	1184	1188	1193	rVB	50184	63562	5.36%	0.580%
34	9.233	1193	1197	1207	rBV	691203	943749	79.51%	8.607%
35	9.322	1208	1212	1216	rVB2	19880	29696	2.50%	0.271%
36	9.633	1261	1265	1269	rVB2	54469	73005	6.15%	0.666%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144038.D
Acq On : 22 Oct 2025 13:24
Operator : RC/JU
Sample : Q3393-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.786	1287	1291	1294	rBV2	17193	22194	1.87%	0.202%
38	9.828	1294	1298	1301	rBV4	11041	15939	1.34%	0.145%
39	9.922	1309	1314	1318	rBV	466877	620849	52.31%	5.662%
40	10.122	1344	1348	1352	rVB4	9648	17286	1.46%	0.158%
41	10.169	1353	1356	1364	rVB6	21129	38942	3.28%	0.355%
42	10.239	1365	1368	1371	rBV5	9065	14624	1.23%	0.133%
43	10.333	1380	1384	1388	rBV7	12190	21234	1.79%	0.194%
44	10.469	1404	1407	1412	rBV	16783	24616	2.07%	0.224%
45	10.569	1419	1424	1429	rBV	48267	73164	6.16%	0.667%
46	10.633	1431	1435	1442	rVV	89857	117982	9.94%	1.076%
47	10.710	1443	1448	1459	rVV	338340	487384	41.06%	4.445%
48	10.833	1465	1469	1476	rVB	75813	109969	9.26%	1.003%
49	11.298	1544	1548	1554	rVB2	54522	86533	7.29%	0.789%
50	11.410	1562	1567	1576	rBV2	465138	698970	58.89%	6.375%
51	11.651	1605	1608	1612	rBV2	16697	23897	2.01%	0.218%
52	11.939	1653	1657	1663	rVB4	37863	56708	4.78%	0.517%
53	12.627	1770	1774	1778	rBV	59698	72334	6.09%	0.660%
54	12.857	1809	1813	1820	rBV	57923	86825	7.31%	0.792%
55	12.998	1832	1837	1845	rVB	759360	987620	83.21%	9.007%
56	14.057	2012	2017	2031	rBV	451254	686867	57.87%	6.264%
57	15.545	2265	2270	2290	rVB	414934	763667	64.34%	6.965%

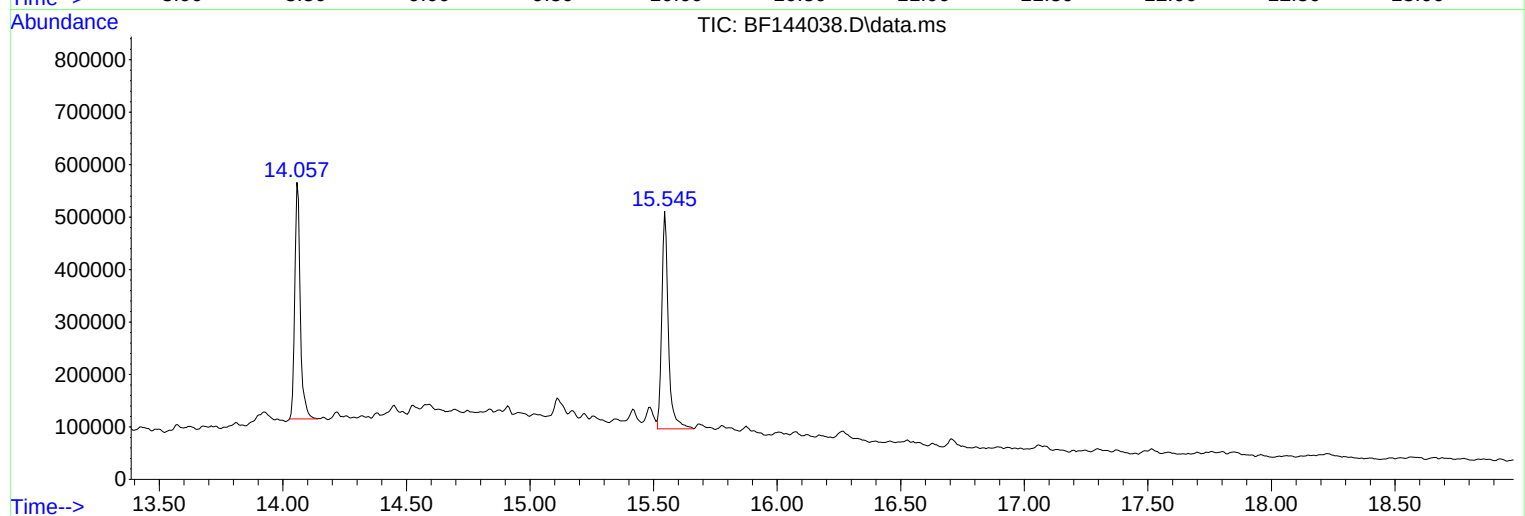
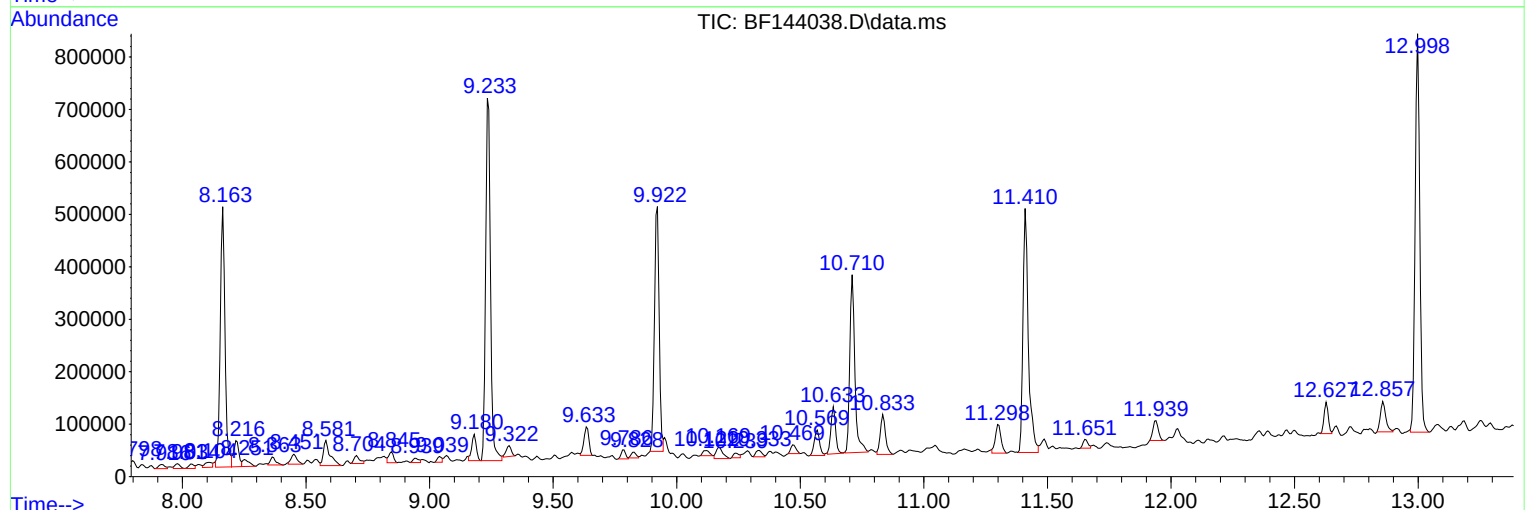
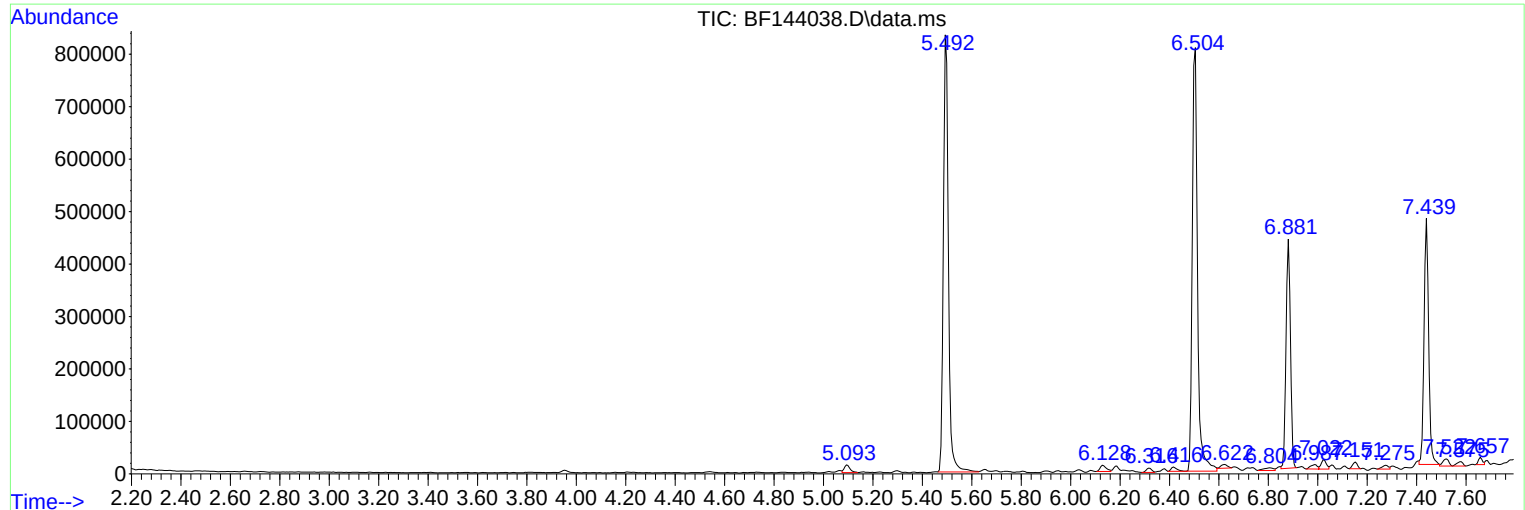
Sum of corrected areas: 10964967

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144038.D
Acq On : 22 Oct 2025 13:24
Operator : RC/JU
Sample : Q3393-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144038.D
Acq On : 22 Oct 2025 13:24
Operator : RC/JU
Sample : Q3393-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

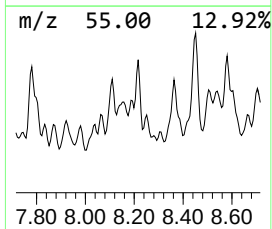
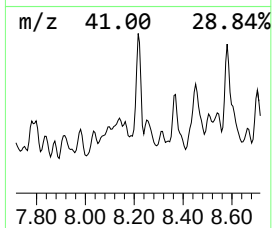
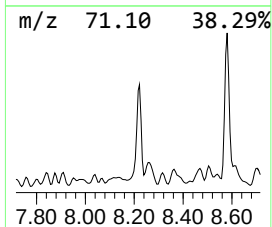
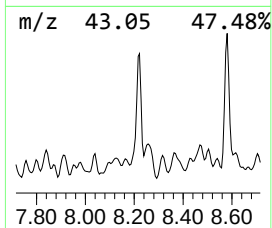
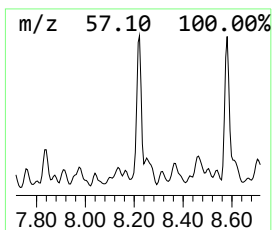
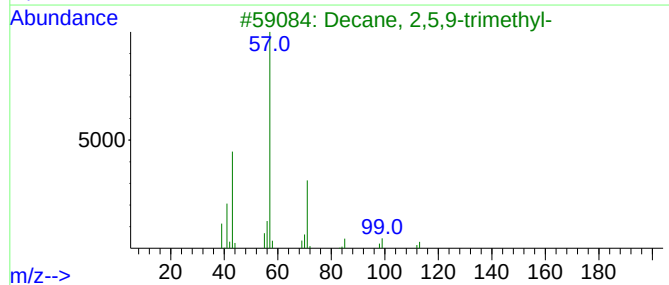
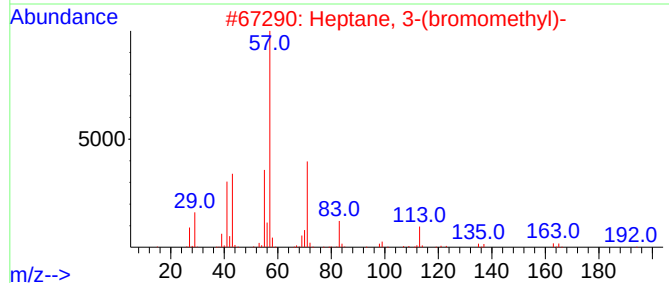
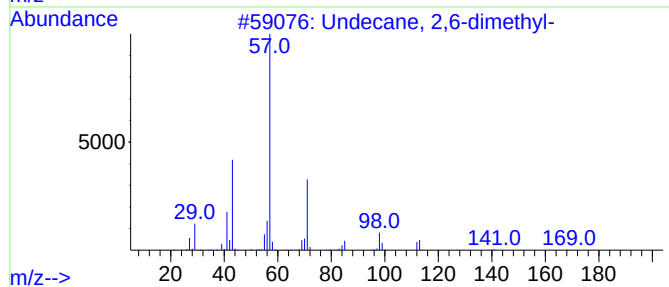
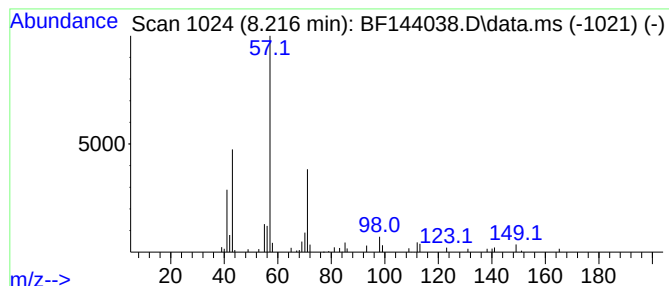
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Undecane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.216	2.18 ng	73014	Naphthalene-d8	8.163

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
2			Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	72
3			Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
4			Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	64
5			Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144038.D
Acq On : 22 Oct 2025 13:24
Operator : RC/JU
Sample : Q3393-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

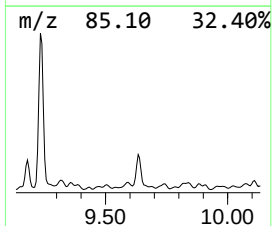
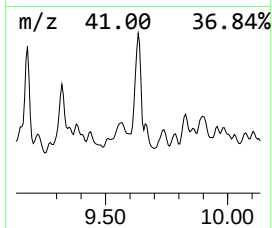
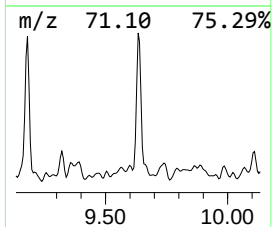
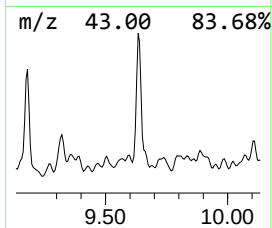
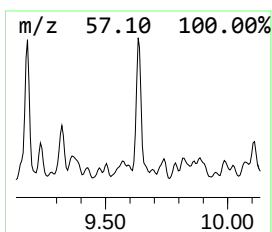
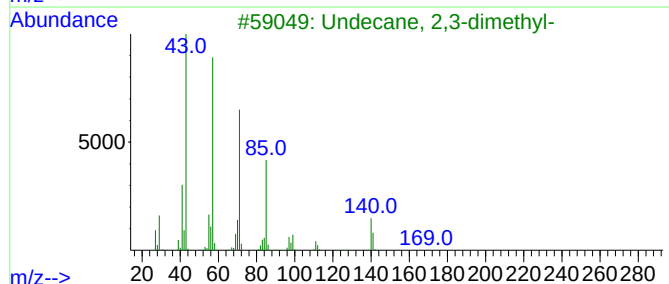
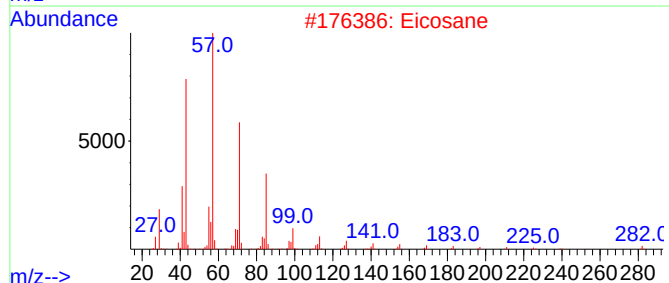
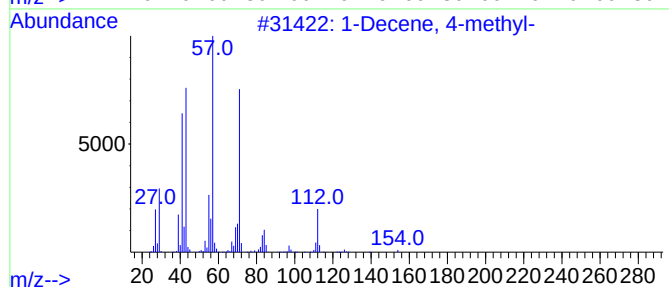
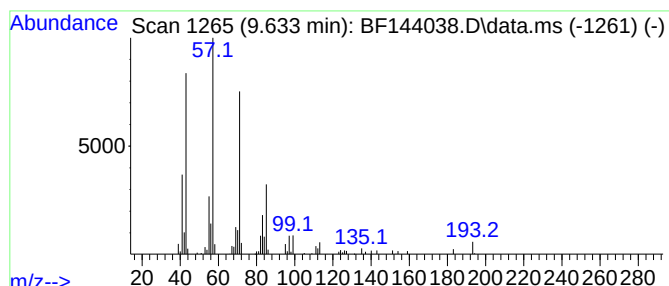
Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

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

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

Peak Number 4 1-Decene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.633	2.35 ng	73005	Acenaphthene-d10	9.922	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene, 4-methyl-	154	C11H22	013151-29-6	89
2	Eicosane	282	C20H42	000112-95-8	86
3	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	86
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	86
5	Hexadecane	226	C16H34	000544-76-3	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144038.D
Acq On : 22 Oct 2025 13:24
Operator : RC/JU
Sample : Q3393-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

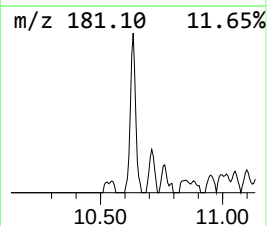
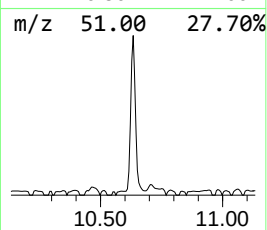
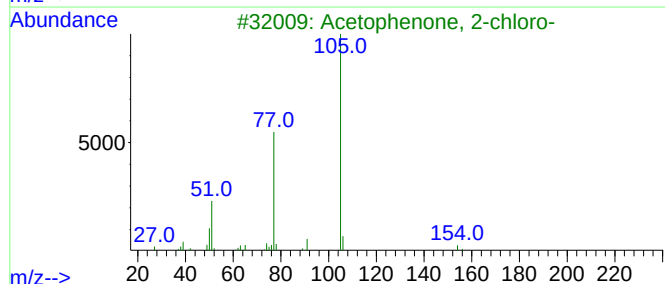
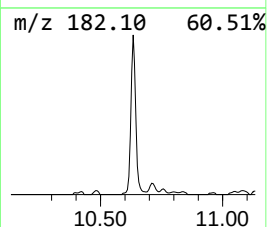
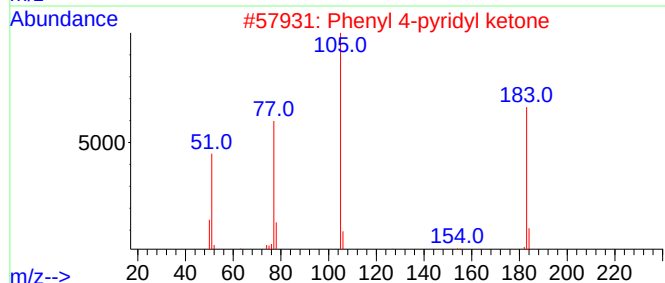
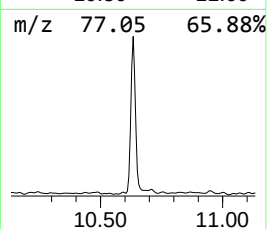
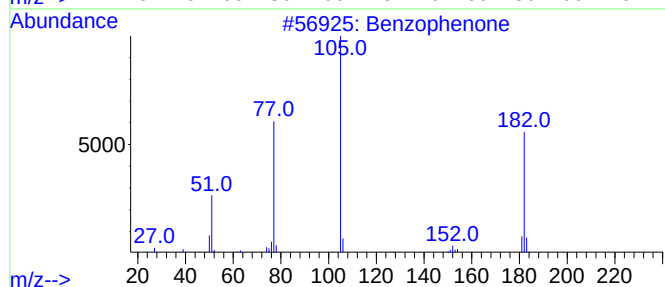
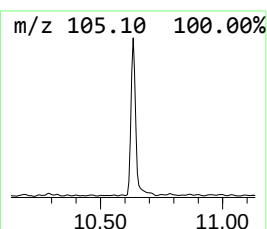
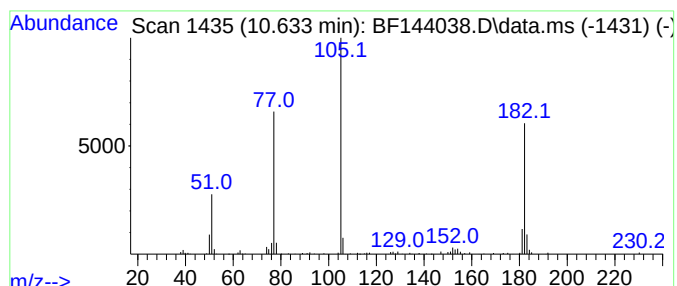
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	3.80 ng	117982	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	70
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144038.D
Acq On : 22 Oct 2025 13:24
Operator : RC/JU
Sample : Q3393-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Undecane, 2,6-d...	8.216	2.2	ng	73014	2	8.163	670065	20.0
1-Decene, 4-met...	9.633	2.4	ng	73005	3	9.922	620849	20.0
Benzophenone	10.633	3.8	ng	117982	3	9.922	620849	20.0

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S06-000021-20251017
 Lab Sample ID: Q3393-04
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.09 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
 Date Received: 10/17/25
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 56.2
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	590	U	1	280	590	ug/Kg	10/22/25 12:55	PB170180
108-95-2	Phenol	300	U	1	39.2	300	ug/Kg	10/22/25 12:55	PB170180
111-44-4	bis(2-Chloroethyl)ether	300	U	1	43.1	300	ug/Kg	10/22/25 12:55	PB170180
95-57-8	2-Chlorophenol	300	U	1	43.3	300	ug/Kg	10/22/25 12:55	PB170180
95-48-7	2-Methylphenol	300	U	1	53.0	300	ug/Kg	10/22/25 12:55	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	1	66.5	300	ug/Kg	10/22/25 12:55	PB170180
98-86-2	Acetophenone	300	U	1	52.3	300	ug/Kg	10/22/25 12:55	PB170180
65794-96-9	3+4-Methylphenols	590	U	1	72.9	590	ug/Kg	10/22/25 12:55	PB170180
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	84.1	140	ug/Kg	10/22/25 12:55	PB170180
67-72-1	Hexachloroethane	300	U	1	31.2	300	ug/Kg	10/22/25 12:55	PB170180
98-95-3	Nitrobenzene	300	U	1	32.5	300	ug/Kg	10/22/25 12:55	PB170180
78-59-1	Isophorone	300	U	1	58.2	300	ug/Kg	10/22/25 12:55	PB170180
88-75-5	2-Nitrophenol	300	U	1	100	300	ug/Kg	10/22/25 12:55	PB170180
105-67-9	2,4-Dimethylphenol	300	U	1	110	300	ug/Kg	10/22/25 12:55	PB170180
111-91-1	bis(2-Chloroethoxy)methane	300	U	1	54.6	300	ug/Kg	10/22/25 12:55	PB170180
120-83-2	2,4-Dichlorophenol	300	U	1	50.2	300	ug/Kg	10/22/25 12:55	PB170180
91-20-3	Naphthalene	300	U	1	40.3	300	ug/Kg	10/22/25 12:55	PB170180
106-47-8	4-Chloroaniline	300	U	1	62.8	300	ug/Kg	10/22/25 12:55	PB170180
87-68-3	Hexachlorobutadiene	300	U	1	44.9	300	ug/Kg	10/22/25 12:55	PB170180
105-60-2	Caprolactam	590	U	1	92.4	590	ug/Kg	10/22/25 12:55	PB170180
59-50-7	4-Chloro-3-methylphenol	300	U	1	50.9	300	ug/Kg	10/22/25 12:55	PB170180
91-57-6	2-Methylnaphthalene	300	U	1	45.4	300	ug/Kg	10/22/25 12:55	PB170180
77-47-4	Hexachlorocyclopentadiene	590	U	1	210	590	ug/Kg	10/22/25 12:55	PB170180
88-06-2	2,4,6-Trichlorophenol	300	U	1	35.1	300	ug/Kg	10/22/25 12:55	PB170180
95-95-4	2,4,5-Trichlorophenol	300	U	1	51.6	300	ug/Kg	10/22/25 12:55	PB170180
92-52-4	1,1-Biphenyl	300	U	1	38.7	300	ug/Kg	10/22/25 12:55	PB170180
91-58-7	2-Chloronaphthalene	300	U	1	39.9	300	ug/Kg	10/22/25 12:55	PB170180
88-74-4	2-Nitroaniline	300	U	1	85.3	300	ug/Kg	10/22/25 12:55	PB170180
131-11-3	Dimethylphthalate	300	U	1	48.1	300	ug/Kg	10/22/25 12:55	PB170180
208-96-8	Acenaphthylene	300	U	1	51.3	300	ug/Kg	10/22/25 12:55	PB170180
606-20-2	2,6-Dinitrotoluene	300	UQ	1	59.6	300	ug/Kg	10/22/25 12:55	PB170180
99-09-2	3-Nitroaniline	300	U	1	81.6	300	ug/Kg	10/22/25 12:55	PB170180
83-32-9	Acenaphthene	300	U	1	37.8	300	ug/Kg	10/22/25 12:55	PB170180
51-28-5	2,4-Dinitrophenol	590	U	1	410	590	ug/Kg	10/22/25 12:55	PB170180
100-02-7	4-Nitrophenol	590	U	1	190	590	ug/Kg	10/22/25 12:55	PB170180
132-64-9	Dibenzofuran	300	U	1	40.3	300	ug/Kg	10/22/25 12:55	PB170180
121-14-2	2,4-Dinitrotoluene	300	U	1	88.9	300	ug/Kg	10/22/25 12:55	PB170180
84-66-2	Diethylphthalate	300	U	1	50.2	300	ug/Kg	10/22/25 12:55	PB170180
7005-72-3	4-Chlorophenyl-phenylether	300	U	1	47.4	300	ug/Kg	10/22/25 12:55	PB170180
86-73-7	Fluorene	300	U	1	44.9	300	ug/Kg	10/22/25 12:55	PB170180
100-01-6	4-Nitroaniline	300	U	1	110	300	ug/Kg	10/22/25 12:55	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	590	U	1	180	590	ug/Kg	10/22/25 12:55	PB170180

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S06-000021-20251017
 Lab Sample ID: Q3393-04
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.09 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
 Date Received: 10/17/25
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 56.2
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	300	U	1	58.4	300	ug/Kg	10/22/25 12:55	PB170180
101-55-3	4-Bromophenyl-phenylether	300	U	1	49.3	300	ug/Kg	10/22/25 12:55	PB170180
118-74-1	Hexachlorobenzene	300	U	1	44.9	300	ug/Kg	10/22/25 12:55	PB170180
1912-24-9	Atrazine	300	U	1	60.3	300	ug/Kg	10/22/25 12:55	PB170180
87-86-5	Pentachlorophenol	590	U	1	91.0	590	ug/Kg	10/22/25 12:55	PB170180
85-01-8	Phenanthrene	300	U	1	37.1	300	ug/Kg	10/22/25 12:55	PB170180
120-12-7	Anthracene	300	U	1	59.1	300	ug/Kg	10/22/25 12:55	PB170180
86-74-8	Carbazole	300	U	1	55.4	300	ug/Kg	10/22/25 12:55	PB170180
84-74-2	Di-n-butylphthalate	300	U	1	85.0	300	ug/Kg	10/22/25 12:55	PB170180
206-44-0	Fluoranthene	300	U	1	53.2	300	ug/Kg	10/22/25 12:55	PB170180
129-00-0	Pyrene	300	U	1	63.9	300	ug/Kg	10/22/25 12:55	PB170180
85-68-7	Butylbenzylphthalate	300	U	1	130	300	ug/Kg	10/22/25 12:55	PB170180
91-94-1	3,3-Dichlorobenzidine	590	U	1	65.1	590	ug/Kg	10/22/25 12:55	PB170180
56-55-3	Benzo(a)anthracene	300	U	1	40.8	300	ug/Kg	10/22/25 12:55	PB170180
218-01-9	Chrysene	300	U	1	35.3	300	ug/Kg	10/22/25 12:55	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	1	110	300	ug/Kg	10/22/25 12:55	PB170180
117-84-0	Di-n-octyl phthalate	590	U	1	150	590	ug/Kg	10/22/25 12:55	PB170180
205-99-2	Benzo(b)fluoranthene	300	U	1	33.7	300	ug/Kg	10/22/25 12:55	PB170180
207-08-9	Benzo(k)fluoranthene	300	U	1	39.7	300	ug/Kg	10/22/25 12:55	PB170180
50-32-8	Benzo(a)pyrene	300	U	1	52.3	300	ug/Kg	10/22/25 12:55	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	300	UQ	1	51.6	300	ug/Kg	10/22/25 12:55	PB170180
53-70-3	Dibenzo(a,h)anthracene	300	U	1	48.6	300	ug/Kg	10/22/25 12:55	PB170180
191-24-2	Benzo(g,h,i)perylene	300	UQ	1	45.6	300	ug/Kg	10/22/25 12:55	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	1	45.4	300	ug/Kg	10/22/25 12:55	PB170180
123-91-1	1,4-Dioxane	300	U	1	80.2	300	ug/Kg	10/22/25 12:55	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	300	U	1	48.6	300	ug/Kg	10/22/25 12:55	PB170180

SURROGATES

367-12-4	2-Fluorophenol	68.8		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	64.5		15 - 107	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.2		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	38.4		20 - 109	38%	SPK: 100
118-79-6	2,4,6-Tribromophenol	51.0		10 - 116	34%	SPK: 150
1718-51-0	Terphenyl-d14	30.5		10 - 105	30%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	86100
1146-65-2	Naphthalene-d8	309000
15067-26-2	Acenaphthene-d10	160000
1517-22-2	Phenanthrene-d10	262000
1719-03-5	Chrysene-d12	218000
1520-96-3	Perylene-d12	261000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	300	J	10.6	ug/Kg

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S06-000021-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	56.2
Sample Wt/Vol:	30.09 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144037.D
Acq On : 22 Oct 2025 12:55
Operator : RC/JU
Sample : Q3393-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S06-000021-20251017

Quant Time: Oct 22 13:25:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	86146	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	309033	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	160156	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	262433	20.000	ng	0.00
76) Chrysene-d12	14.057	240	218012	20.000	ng	-0.01
86) Perylene-d12	15.545	264	261186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	373253	68.804	ng	0.00
7) Phenol-d6	6.504	99	416805	64.459	ng	-0.01
23) Nitrobenzene-d5	7.440	82	229915	45.200	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	81305	50.969	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	387848	38.426	ng	-0.01
79) Terphenyl-d14	12.998	244	388948	30.491	ng	-0.01

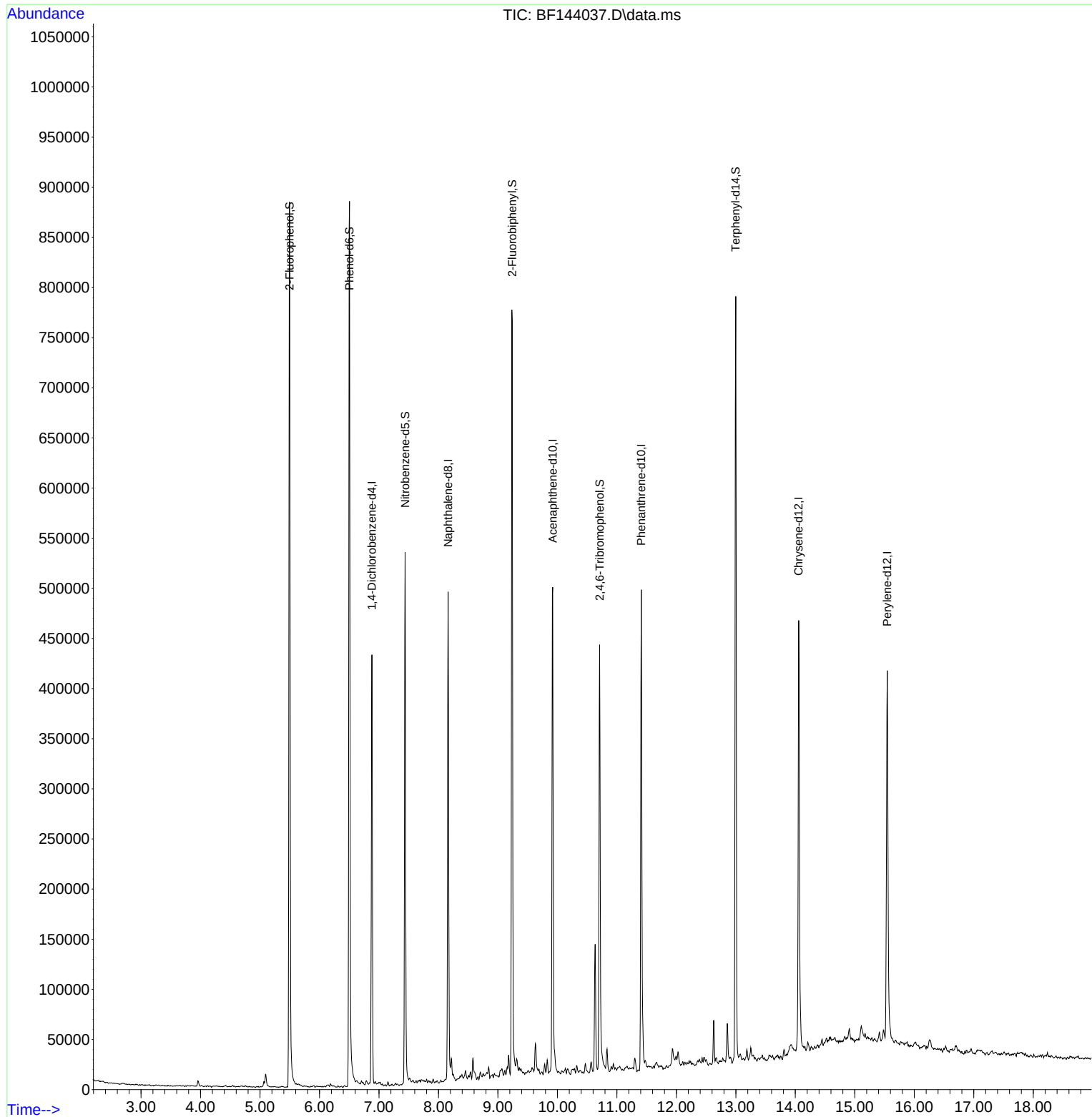
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144037.D
Acq On : 22 Oct 2025 12:55
Operator : RC/JU
Sample : Q3393-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S06-000021-20251017

Quant Time: Oct 22 13:25:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



Abundance Scan 797 (6.881 min): BF143879.D\data.ms (-79

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.881 min Scan# 79

Delta R.T. -0.005 min

Lab File: BF144037.D

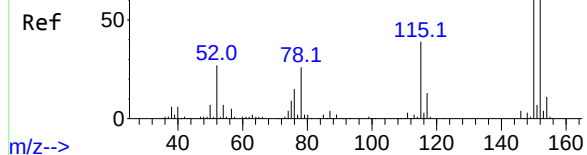
Acq: 22 Oct 2025 12:55

Instrument :

BNA_F

ClientSampleId :

PR132-S06-000021-20251017



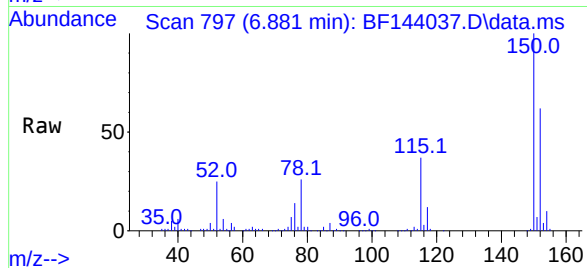
Tgt Ion:152 Resp: 86146

Ion Ratio Lower Upper

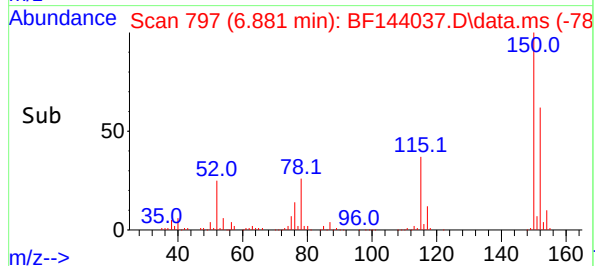
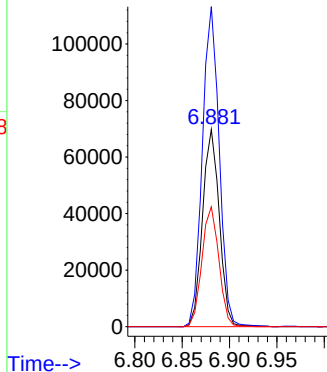
152 100

150 162.2 124.4 186.6

115 60.7 48.1 72.1



Abundance



Abundance Scan 561 (5.493 min): BF143879.D\data.ms (-55

#5

2-Fluorophenol

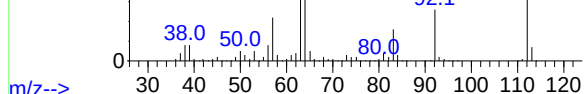
Concen: 68.804 ng

RT: 5.498 min Scan# 562

Delta R.T. 0.000 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55



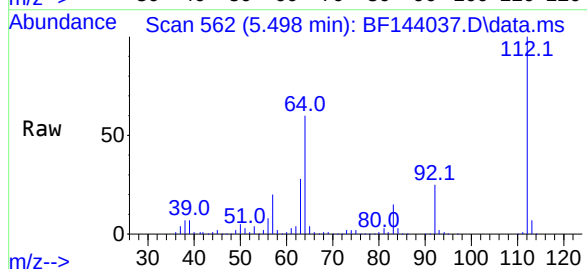
Tgt Ion:112 Resp: 373253

Ion Ratio Lower Upper

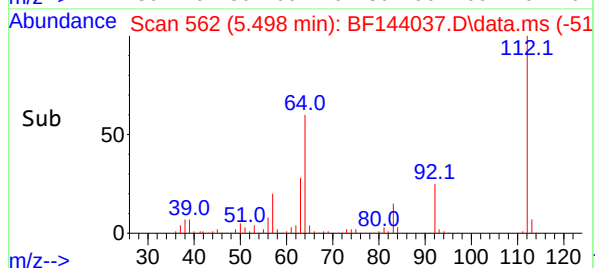
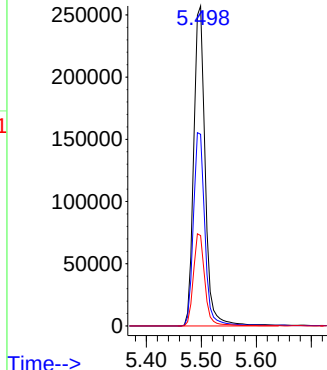
112 100

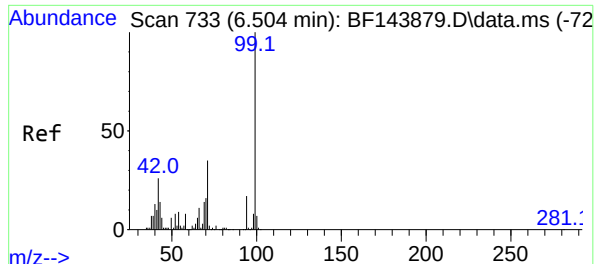
64 59.9 49.1 73.7

63 28.3 24.5 36.7



Abundance



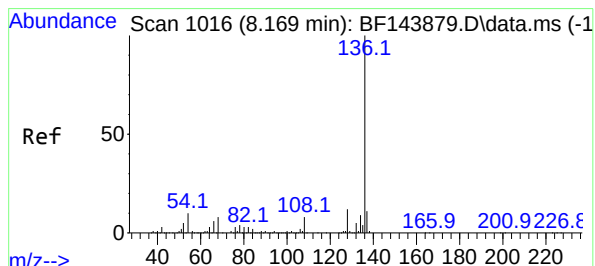
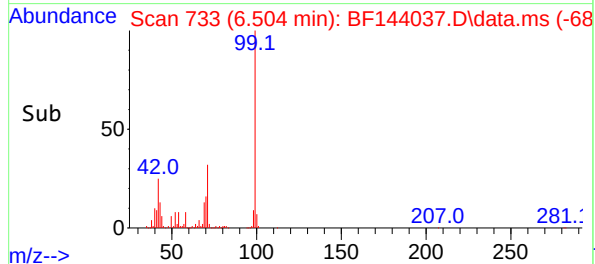
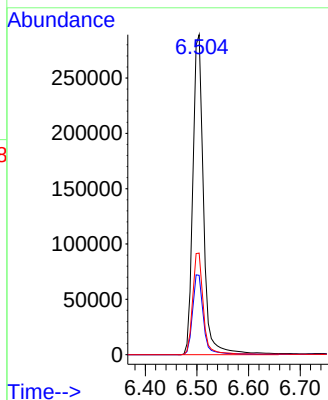
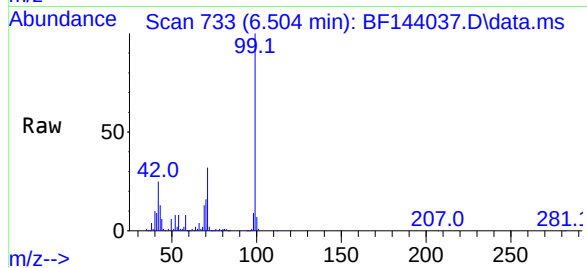


#7
Phenol-d6
Concen: 64.459 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

Instrument :
BNA_F
ClientSampleId :
PR132-S06-000021-20251017

Tgt Ion: 99 Resp: 416805

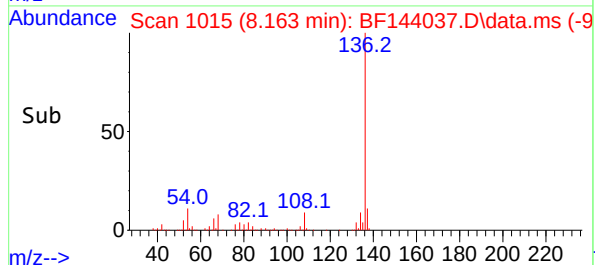
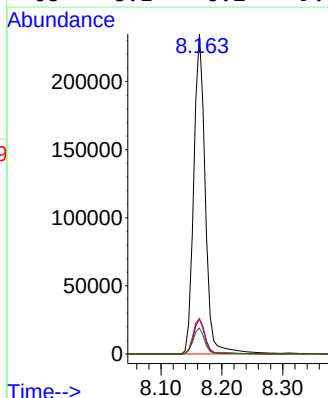
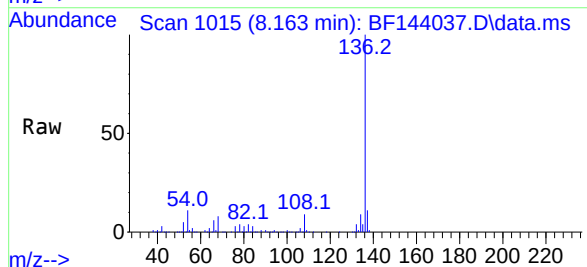
Ion	Ratio	Lower	Upper
99	100		
42	24.8	21.0	31.4
71	31.7	27.8	41.8



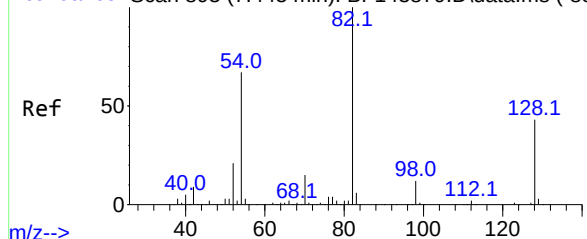
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

Tgt Ion: 136 Resp: 309033

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.1	8.2	12.4
68	8.1	6.2	9.4



Abundance Scan 893 (7.445 min): BF143879.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 45.200 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55

Instrument :

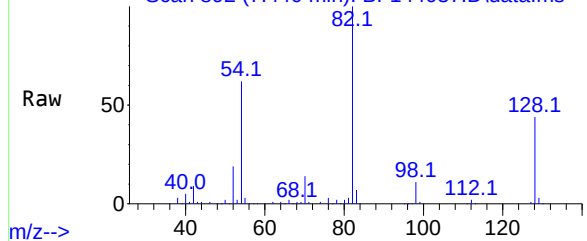
BNA_F

ClientSampleId :

PR132-S06-000021-20251017

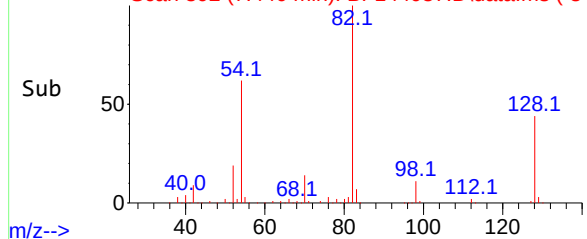
m/z-->

Abundance Scan 892 (7.440 min): BF144037.D\data.ms



m/z-->

Abundance Scan 892 (7.440 min): BF144037.D\data.ms (-84



m/z-->

Tgt Ion: 82 Resp: 229915

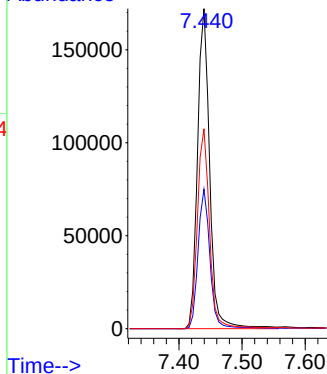
Ion Ratio Lower Upper

82 100

128 43.5 34.0 51.0

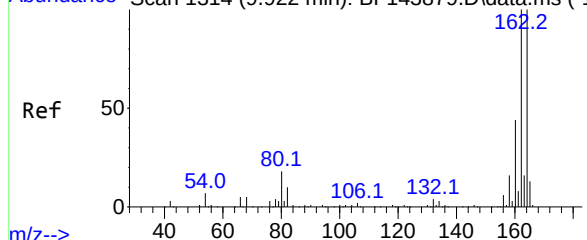
54 62.5 53.2 79.8

Abundance



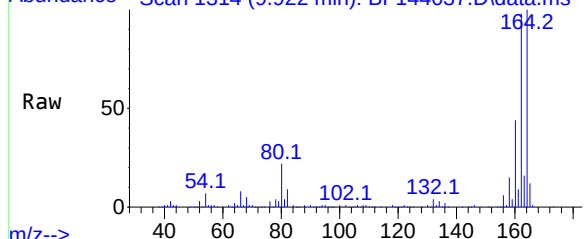
Time-->

Abundance Scan 1314 (9.922 min): BF143879.D\data.ms (-1



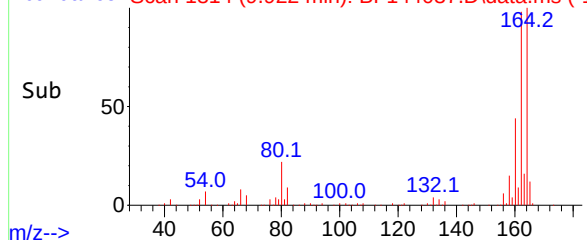
m/z-->

Abundance Scan 1314 (9.922 min): BF144037.D\data.ms



m/z-->

Abundance Scan 1314 (9.922 min): BF144037.D\data.ms (-1



m/z-->

#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55

Tgt Ion:164 Resp: 160156

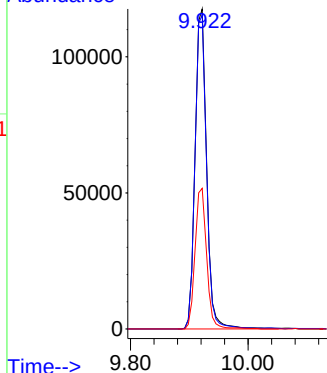
Ion Ratio Lower Upper

164 100

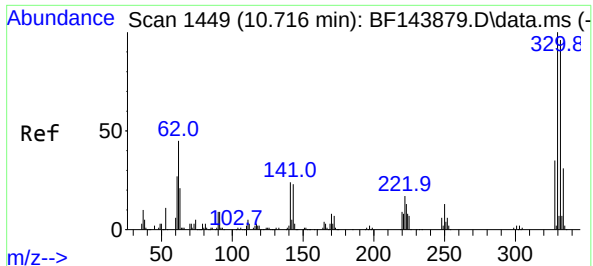
162 98.1 80.2 120.2

160 44.0 35.4 53.0

Abundance



Time-->



#42

2,4,6-Tribromophenol

Concen: 50.969 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144037.D

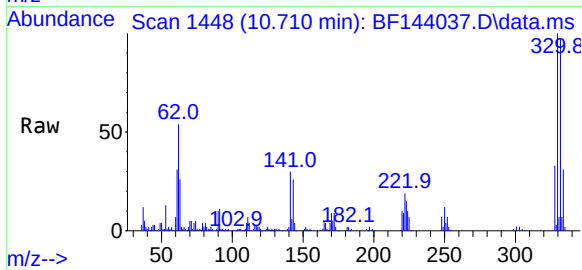
Acq: 22 Oct 2025 12:55

Instrument :

BNA_F

ClientSampleId :

PR132-S06-000021-20251017



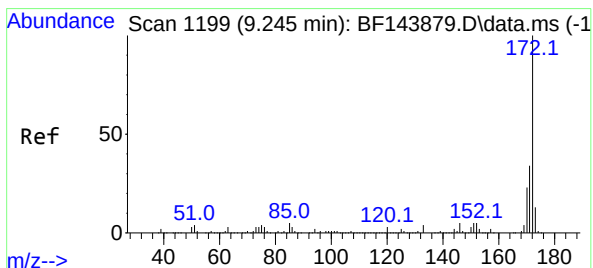
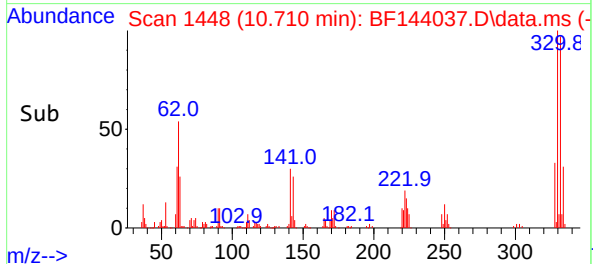
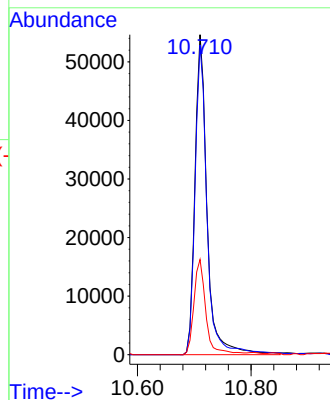
Tgt Ion:330 Resp: 81305

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 29.3 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 38.426 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55

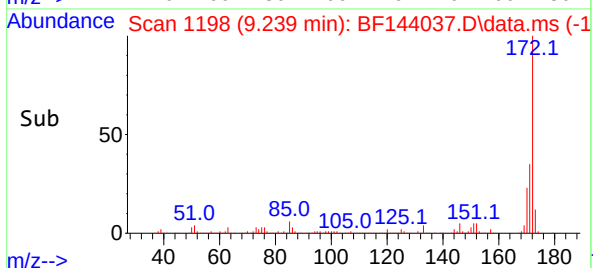
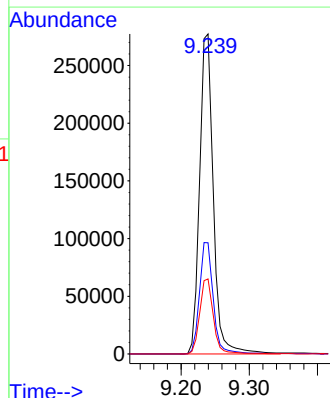
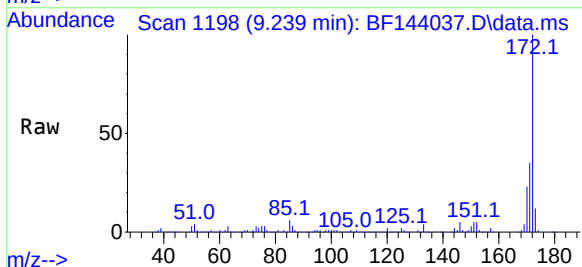
Tgt Ion:172 Resp: 387848

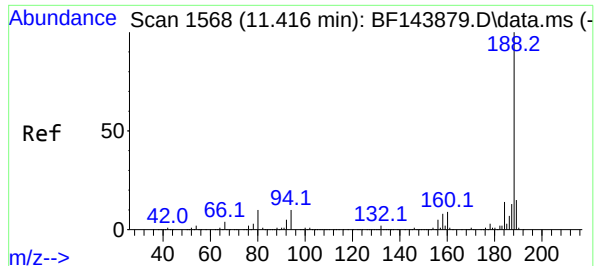
Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

170 23.4 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55

Instrument :

BNA_F

ClientSampleId :

PR132-S06-000021-20251017

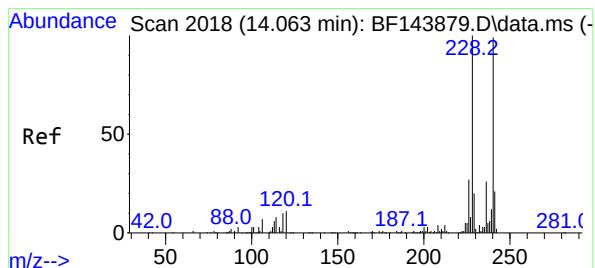
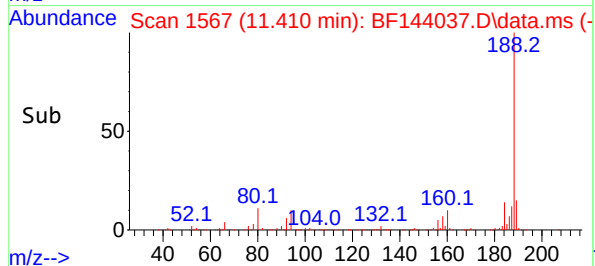
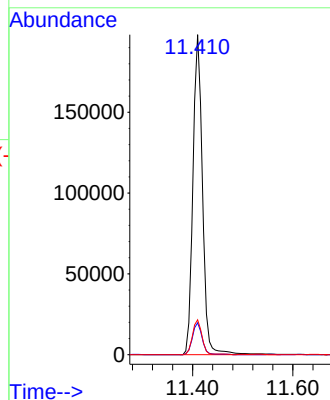
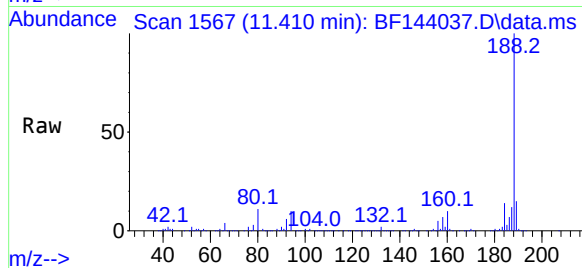
Tgt Ion:188 Resp: 262433

Ion Ratio Lower Upper

188 100

94 9.9 7.8 11.6

80 10.9 7.9 11.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.011 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55

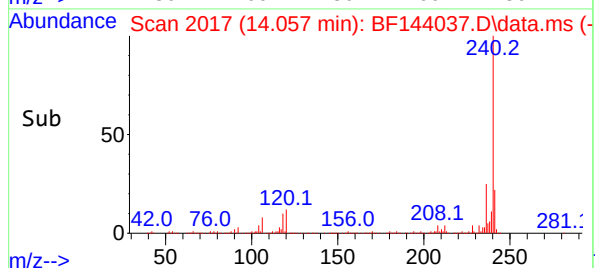
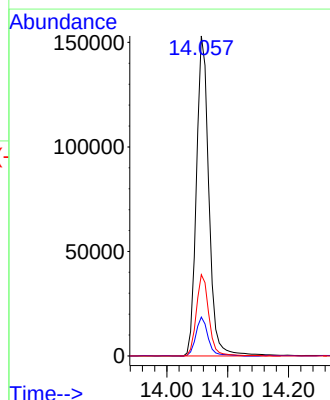
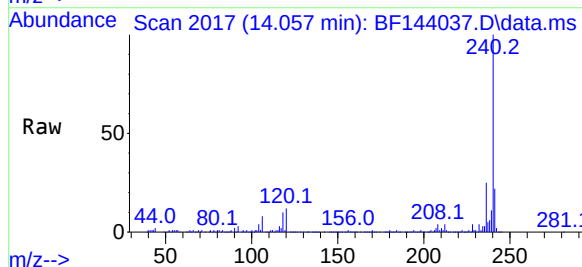
Tgt Ion:240 Resp: 218012

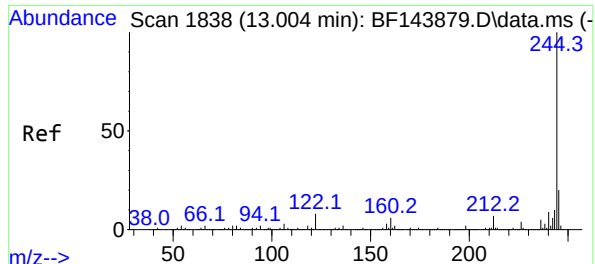
Ion Ratio Lower Upper

240 100

120 12.2 8.6 13.0

236 25.4 21.1 31.7





#79

Terphenyl-d14

Concen: 30.491 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55

Instrument :

BNA_F

ClientSampleId :

PR132-S06-000021-20251017

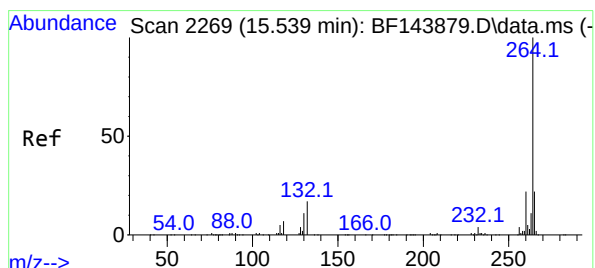
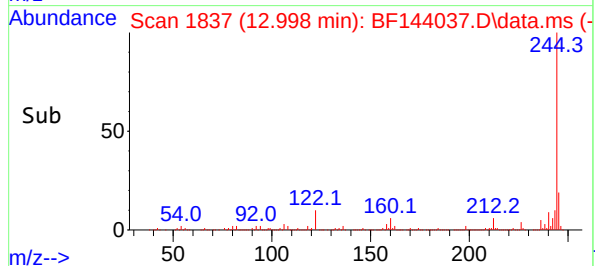
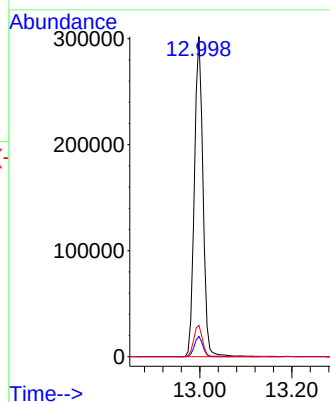
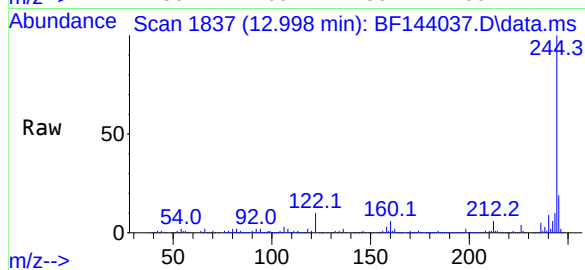
Tgt Ion:244 Resp: 388948

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 9.8 6.4 9.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55

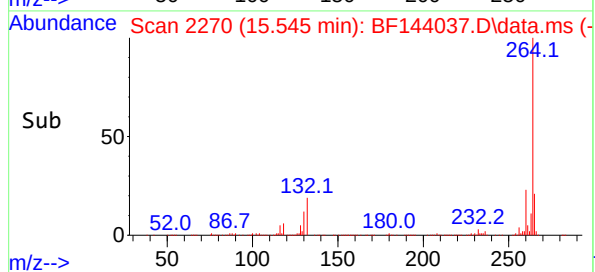
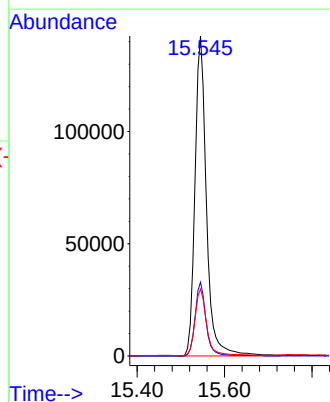
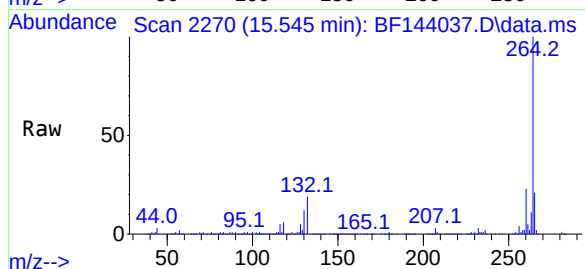
Tgt Ion:264 Resp: 261186

Ion Ratio Lower Upper

264 100

260 23.1 17.8 26.8

265 20.9 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144037.D
Acq On : 22 Oct 2025 12:55
Operator : RC/JU
Sample : Q3393-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S06-000021-20251017

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144037.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	490	493	505	rVB	12564	22035	1.72%	0.212%
2	5.493	556	561	579	rBV	882906	1283516	100.00%	12.339%
3	6.504	727	733	750	rBV	882414	1268194	98.81%	12.192%
4	6.881	792	797	803	rVB	427531	527880	41.13%	5.075%
5	7.440	887	892	902	rBV	529190	690644	53.81%	6.640%
6	8.163	1010	1015	1021	rBV	484964	619840	48.29%	5.959%
7	8.216	1021	1024	1028	rVB	16578	22157	1.73%	0.213%
8	8.457	1059	1065	1070	rVB6	8019	13628	1.06%	0.131%
9	8.581	1082	1086	1090	rBV	21303	31212	2.43%	0.300%
10	8.704	1103	1107	1112	rBV6	7569	14047	1.09%	0.135%
11	8.845	1128	1131	1134	rVB2	11091	13986	1.09%	0.134%
12	9.181	1185	1188	1192	rVB	19516	24050	1.87%	0.231%
13	9.234	1192	1197	1208	rBV	762859	1057628	82.40%	10.168%
14	9.316	1208	1211	1216	rVB5	11985	18696	1.46%	0.180%
15	9.628	1260	1264	1272	rBV4	27968	47166	3.67%	0.453%
16	9.786	1287	1291	1294	rBV5	10123	13322	1.04%	0.128%
17	9.828	1294	1298	1302	rVB3	13202	17408	1.36%	0.167%
18	9.922	1308	1314	1328	rVB	483924	687040	53.53%	6.605%
19	10.469	1403	1407	1418	rBV3	9548	18104	1.41%	0.174%
20	10.569	1419	1424	1428	rVV2	10987	19078	1.49%	0.183%
21	10.633	1430	1435	1442	rVV	127858	172478	13.44%	1.658%
22	10.710	1443	1448	1465	rVV	426118	642501	50.06%	6.177%
23	10.833	1465	1469	1476	rVB	22263	35015	2.73%	0.337%
24	11.298	1545	1548	1555	rVB6	13427	24983	1.95%	0.240%
25	11.410	1562	1567	1576	rBV	479312	680464	53.02%	6.542%
26	11.933	1653	1656	1663	rBV7	13252	23598	1.84%	0.227%
27	12.627	1770	1774	1778	rBV	42698	54168	4.22%	0.521%
28	12.857	1808	1813	1819	rBV	38273	60296	4.70%	0.580%
29	12.998	1832	1837	1845	rBV	759311	972508	75.77%	9.349%
30	13.186	1866	1869	1873	rVB2	10607	13669	1.06%	0.131%
31	14.057	2010	2017	2028	rBV	427694	656849	51.18%	6.315%
32	15.545	2264	2270	2282	rVB	366562	655859	51.10%	6.305%

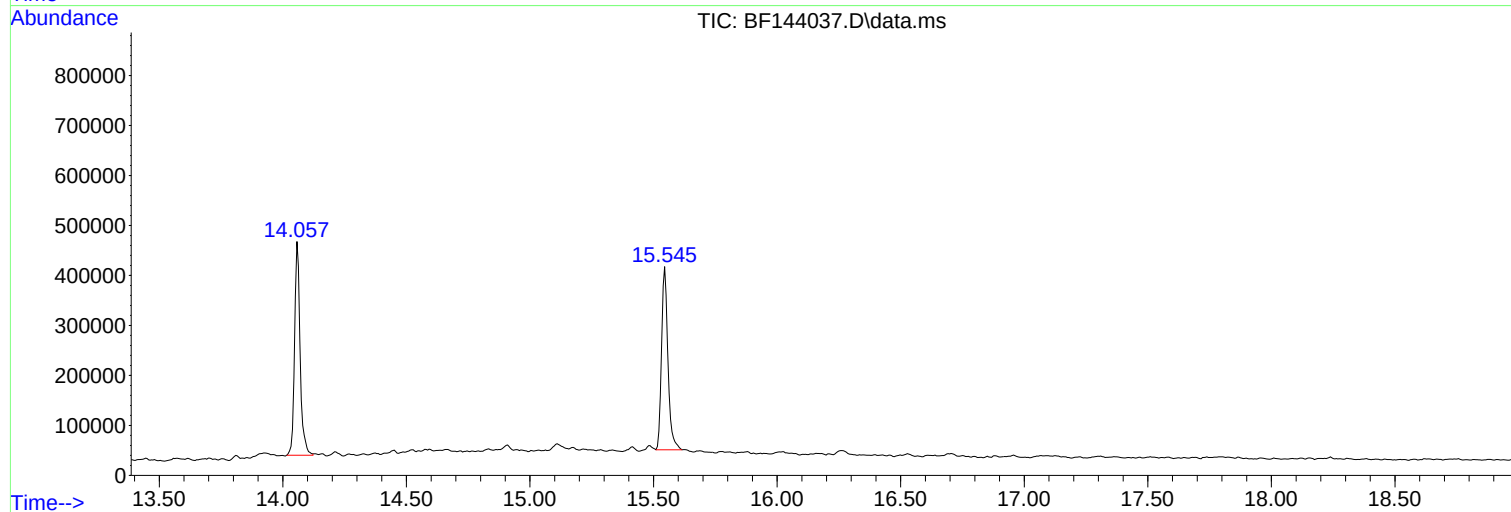
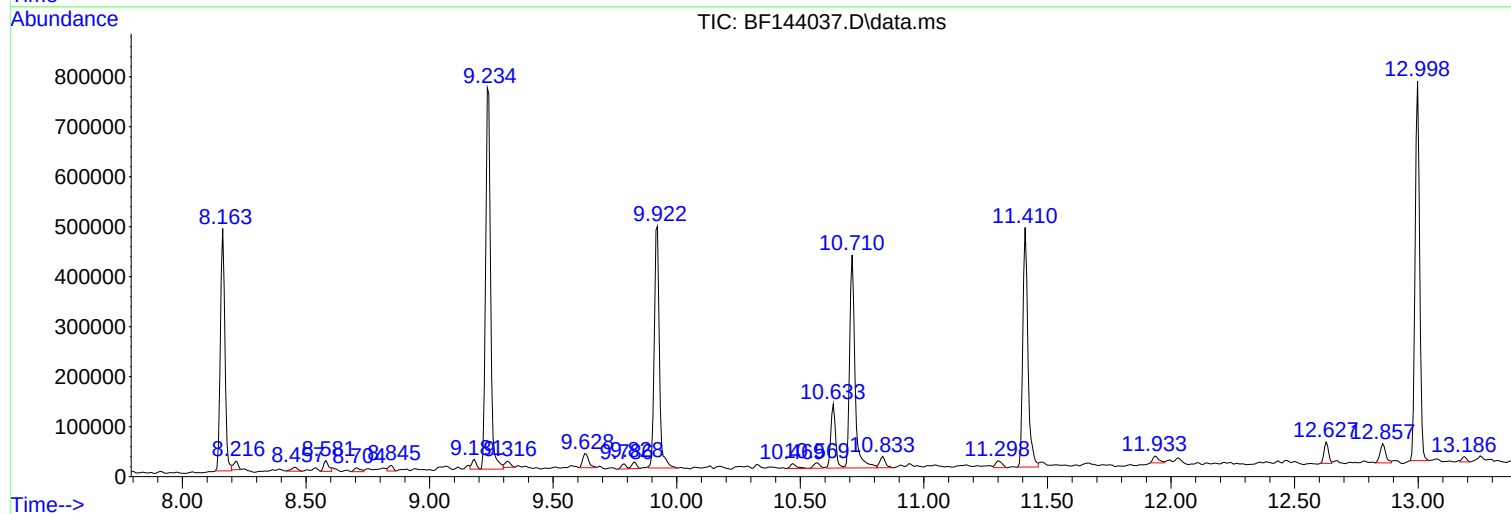
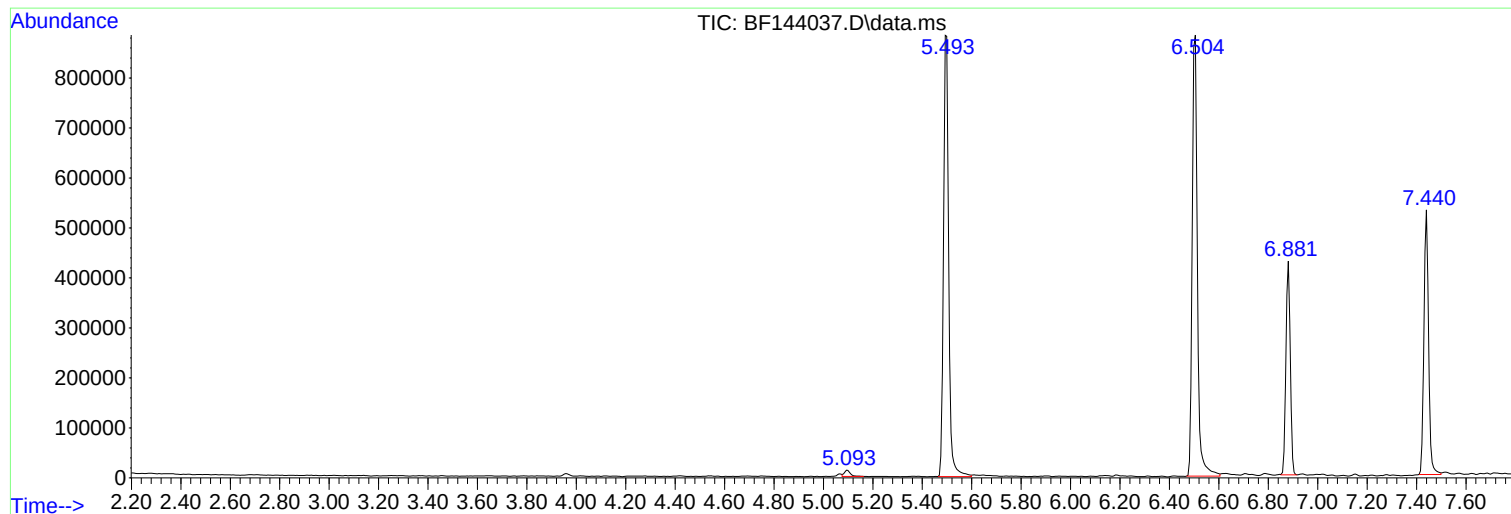
Sum of corrected areas: 10402019

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144037.D
Acq On : 22 Oct 2025 12:55
Operator : RC/JU
Sample : Q3393-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S06-000021-20251017

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144037.D
Acq On : 22 Oct 2025 12:55
Operator : RC/JU
Sample : Q3393-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S06-000021-20251017

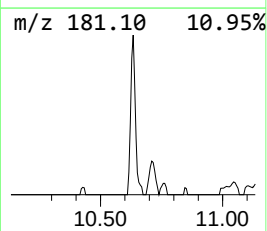
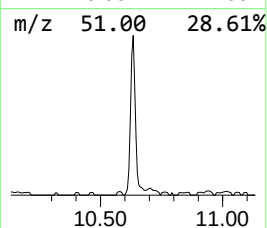
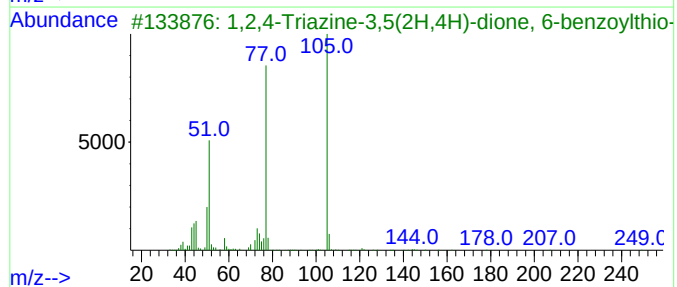
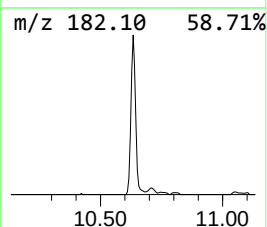
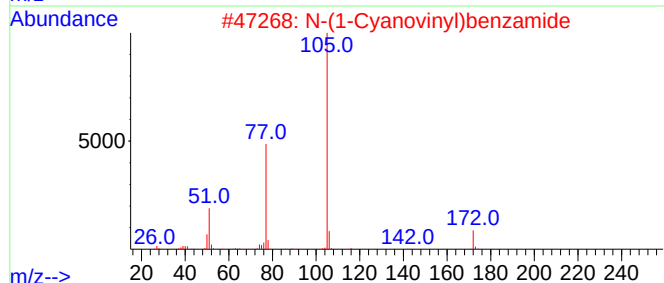
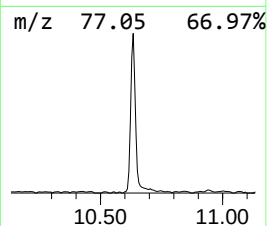
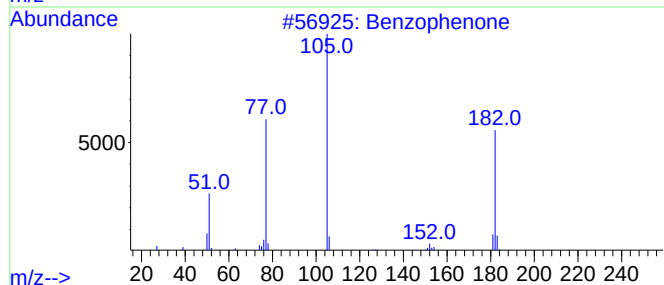
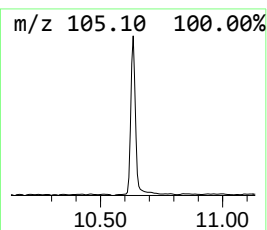
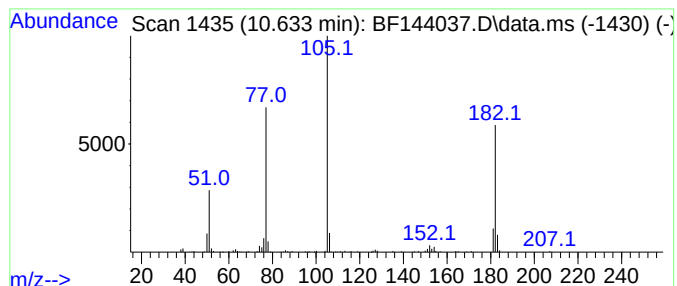
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	5.02 ng	172478	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
3			1,2,4-Triazine-3,5(2H,4H)-dione,...	249	C10H7N3O3S	024168-34-1	47
4			Benzeneacetic acid, .alpha.-oxo-...	178	C10H10O3	001603-79-8	47
5			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144037.D
Acq On : 22 Oct 2025 12:55
Operator : RC/JU
Sample : Q3393-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S06-000021-20251017

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

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.634	5.0	ng	172478	3	9.922	687040	20.0

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S08-000013-20251017
 Lab Sample ID: Q3393-05
 Analytical Method: 8270E Level: LOW
 Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
 Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
 Date Received: 10/17/25
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 52
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	630	U	1	300	630	ug/Kg	10/22/25 11:57	PB170180
108-95-2	Phenol	330	U	1	42.4	330	ug/Kg	10/22/25 11:57	PB170180
111-44-4	bis(2-Chloroethyl)ether	330	U	1	46.7	330	ug/Kg	10/22/25 11:57	PB170180
95-57-8	2-Chlorophenol	330	U	1	46.8	330	ug/Kg	10/22/25 11:57	PB170180
95-48-7	2-Methylphenol	330	U	1	57.4	330	ug/Kg	10/22/25 11:57	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.0	330	ug/Kg	10/22/25 11:57	PB170180
98-86-2	Acetophenone	330	U	1	56.6	330	ug/Kg	10/22/25 11:57	PB170180
65794-96-9	3+4-Methylphenols	630	U	1	78.9	630	ug/Kg	10/22/25 11:57	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	91.0	150	ug/Kg	10/22/25 11:57	PB170180
67-72-1	Hexachloroethane	330	U	1	33.8	330	ug/Kg	10/22/25 11:57	PB170180
98-95-3	Nitrobenzene	330	U	1	35.1	330	ug/Kg	10/22/25 11:57	PB170180
78-59-1	Isophorone	330	U	1	63.0	330	ug/Kg	10/22/25 11:57	PB170180
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/22/25 11:57	PB170180
105-67-9	2,4-Dimethylphenol	330	U	1	120	330	ug/Kg	10/22/25 11:57	PB170180
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.1	330	ug/Kg	10/22/25 11:57	PB170180
120-83-2	2,4-Dichlorophenol	330	U	1	54.3	330	ug/Kg	10/22/25 11:57	PB170180
91-20-3	Naphthalene	330	U	1	43.6	330	ug/Kg	10/22/25 11:57	PB170180
106-47-8	4-Chloroaniline	330	U	1	68.0	330	ug/Kg	10/22/25 11:57	PB170180
87-68-3	Hexachlorobutadiene	330	U	1	48.6	330	ug/Kg	10/22/25 11:57	PB170180
105-60-2	Caprolactam	630	U	1	100	630	ug/Kg	10/22/25 11:57	PB170180
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.1	330	ug/Kg	10/22/25 11:57	PB170180
91-57-6	2-Methylnaphthalene	330	U	1	49.1	330	ug/Kg	10/22/25 11:57	PB170180
77-47-4	Hexachlorocyclopentadiene	630	U	1	220	630	ug/Kg	10/22/25 11:57	PB170180
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.0	330	ug/Kg	10/22/25 11:57	PB170180
95-95-4	2,4,5-Trichlorophenol	330	U	1	55.9	330	ug/Kg	10/22/25 11:57	PB170180
92-52-4	1,1-Biphenyl	330	U	1	41.9	330	ug/Kg	10/22/25 11:57	PB170180
91-58-7	2-Chloronaphthalene	330	U	1	43.2	330	ug/Kg	10/22/25 11:57	PB170180
88-74-4	2-Nitroaniline	330	U	1	92.3	330	ug/Kg	10/22/25 11:57	PB170180
131-11-3	Dimethylphthalate	330	U	1	52.0	330	ug/Kg	10/22/25 11:57	PB170180
208-96-8	Acenaphthylene	330	U	1	55.5	330	ug/Kg	10/22/25 11:57	PB170180
606-20-2	2,6-Dinitrotoluene	330	UQ	1	64.5	330	ug/Kg	10/22/25 11:57	PB170180
99-09-2	3-Nitroaniline	330	U	1	88.3	330	ug/Kg	10/22/25 11:57	PB170180
83-32-9	Acenaphthene	140	J	1	40.9	330	ug/Kg	10/22/25 11:57	PB170180
51-28-5	2,4-Dinitrophenol	630	U	1	440	630	ug/Kg	10/22/25 11:57	PB170180
100-02-7	4-Nitrophenol	630	U	1	210	630	ug/Kg	10/22/25 11:57	PB170180
132-64-9	Dibenzofuran	330	U	1	43.6	330	ug/Kg	10/22/25 11:57	PB170180
121-14-2	2,4-Dinitrotoluene	330	U	1	96.2	330	ug/Kg	10/22/25 11:57	PB170180
84-66-2	Diethylphthalate	330	U	1	54.3	330	ug/Kg	10/22/25 11:57	PB170180
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.3	330	ug/Kg	10/22/25 11:57	PB170180
86-73-7	Fluorene	330	U	1	48.6	330	ug/Kg	10/22/25 11:57	PB170180
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/22/25 11:57	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	630	U	1	200	630	ug/Kg	10/22/25 11:57	PB170180

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PR132-S08-000013-20251017
 Lab Sample ID: Q3393-05
 Analytical Method: 8270E Level: LOW
 Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
 Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
 Date Received: 10/17/25
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 52
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	330	U	1	63.2	330	ug/Kg	10/22/25 11:57	PB170180
101-55-3	4-Bromophenyl-phenylether	330	U	1	53.4	330	ug/Kg	10/22/25 11:57	PB170180
118-74-1	Hexachlorobenzene	330	U	1	48.6	330	ug/Kg	10/22/25 11:57	PB170180
1912-24-9	Atrazine	330	U	1	65.3	330	ug/Kg	10/22/25 11:57	PB170180
87-86-5	Pentachlorophenol	630	U	1	98.5	630	ug/Kg	10/22/25 11:57	PB170180
85-01-8	Phenanthrene	290	J	1	40.1	330	ug/Kg	10/22/25 11:57	PB170180
120-12-7	Anthracene	330	U	1	63.9	330	ug/Kg	10/22/25 11:57	PB170180
86-74-8	Carbazole	330	U	1	59.9	330	ug/Kg	10/22/25 11:57	PB170180
84-74-2	Di-n-butylphthalate	330	U	1	92.0	330	ug/Kg	10/22/25 11:57	PB170180
206-44-0	Fluoranthene	190	J	1	57.6	330	ug/Kg	10/22/25 11:57	PB170180
129-00-0	Pyrene	330	U	1	69.1	330	ug/Kg	10/22/25 11:57	PB170180
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/22/25 11:57	PB170180
91-94-1	3,3-Dichlorobenzidine	630	U	1	70.5	630	ug/Kg	10/22/25 11:57	PB170180
56-55-3	Benzo(a)anthracene	330	U	1	44.2	330	ug/Kg	10/22/25 11:57	PB170180
218-01-9	Chrysene	330	U	1	38.2	330	ug/Kg	10/22/25 11:57	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	110	330	ug/Kg	10/22/25 11:57	PB170180
117-84-0	Di-n-octyl phthalate	630	U	1	170	630	ug/Kg	10/22/25 11:57	PB170180
205-99-2	Benzo(b)fluoranthene	330	U	1	36.5	330	ug/Kg	10/22/25 11:57	PB170180
207-08-9	Benzo(k)fluoranthene	330	U	1	43.0	330	ug/Kg	10/22/25 11:57	PB170180
50-32-8	Benzo(a)pyrene	330	U	1	56.6	330	ug/Kg	10/22/25 11:57	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	330	UQ	1	55.9	330	ug/Kg	10/22/25 11:57	PB170180
53-70-3	Dibenzo(a,h)anthracene	330	U	1	52.6	330	ug/Kg	10/22/25 11:57	PB170180
191-24-2	Benzo(g,h,i)perylene	330	UQ	1	49.3	330	ug/Kg	10/22/25 11:57	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.1	330	ug/Kg	10/22/25 11:57	PB170180
123-91-1	1,4-Dioxane	330	U	1	86.8	330	ug/Kg	10/22/25 11:57	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	52.6	330	ug/Kg	10/22/25 11:57	PB170180

SURROGATES

367-12-4	2-Fluorophenol	77.4		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	75.0		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.2		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.2		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	33.4		10 - 105	33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	88300
1146-65-2	Naphthalene-d8	319000
15067-26-2	Acenaphthene-d10	158000
1517-22-2	Phenanthrene-d10	269000
1719-03-5	Chrysene-d12	225000
1520-96-3	Perylene-d12	269000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	390	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	140	J	11.9	ug/Kg

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S08-000013-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52
Sample Wt/Vol:	30.05 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144035.D
Acq On : 22 Oct 2025 11:57
Operator : RC/JU
Sample : Q3393-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

Quant Time: Oct 22 12:34:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

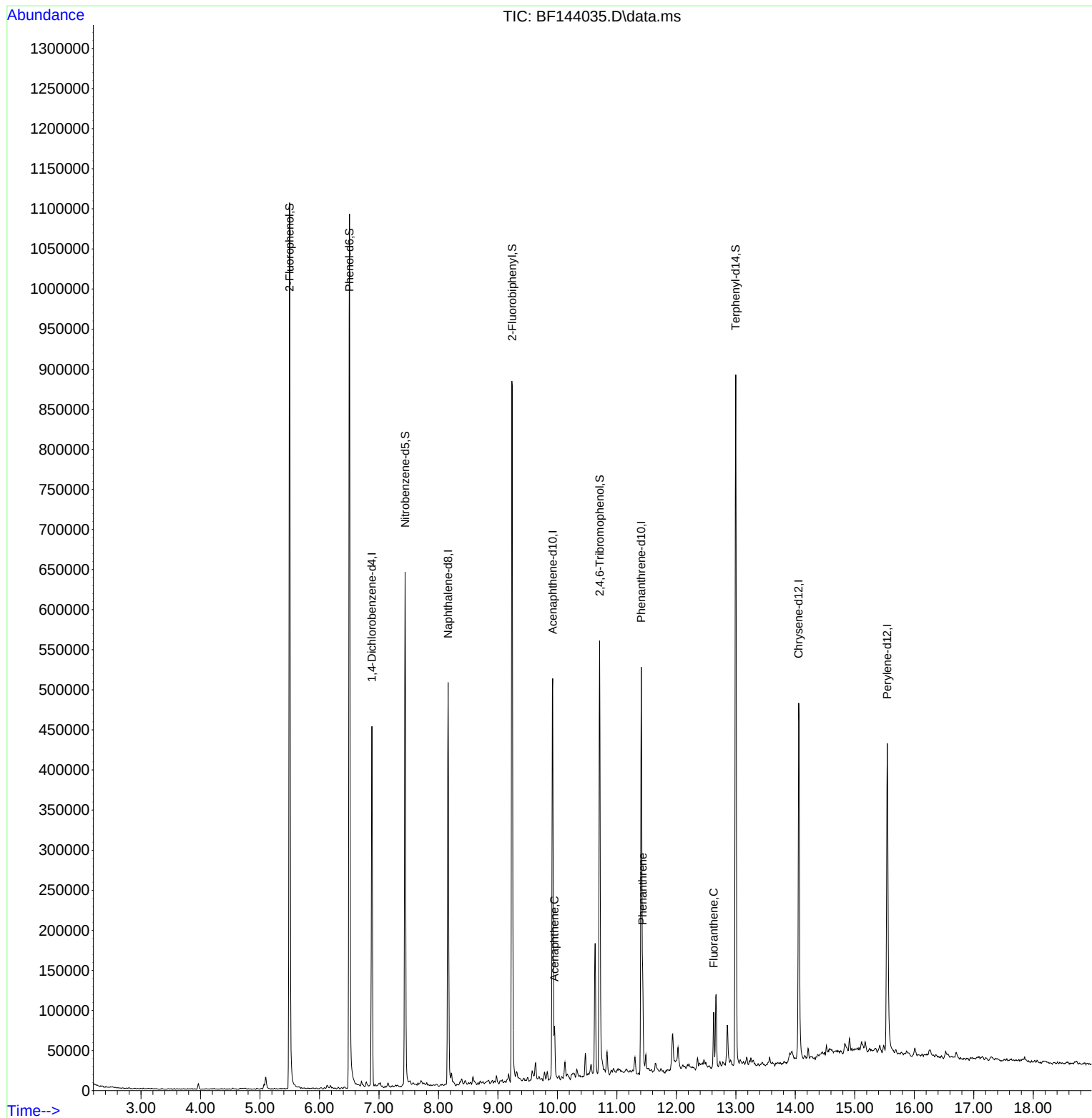
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	88270	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	318764	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	158279	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	268616	20.000	ng	0.00
76) Chrysene-d12	14.057	240	224762	20.000	ng	-0.01
86) Perylene-d12	15.545	264	269273	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	430202	77.394	ng	0.00
7) Phenol-d6	6.504	99	497196	75.041	ng	-0.01
23) Nitrobenzene-d5	7.439	82	269327	51.332	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	101163	64.170	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	440518	44.162	ng	-0.01
79) Terphenyl-d14	12.998	244	439602	33.427	ng	-0.01
Target Compounds						
52) Acenaphthene	9.951	154	17575	2.184	ng	96
71) Phenanthrene	11.433	178	59586	4.576	ng	98
75) Fluoranthene	12.627	202	38970	2.897	ng	95

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

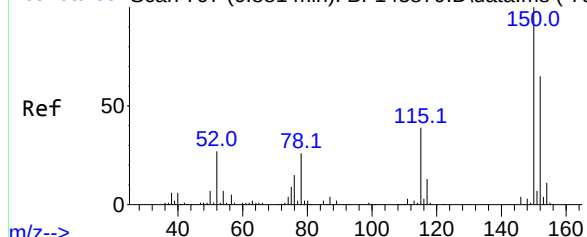
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Data File : BF144035.D
Acq On : 22 Oct 2025 11:57
Operator : RC/JU
Sample : Q3393-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

Quant Time: Oct 22 12:34:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

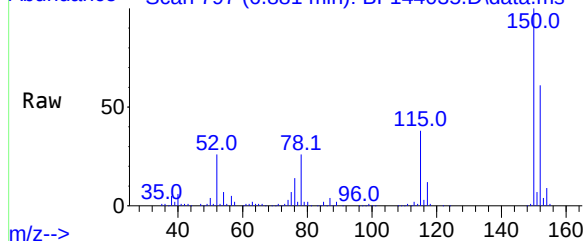


Abundance Scan 797 (6.881 min): BF143879.D\data.ms (-79



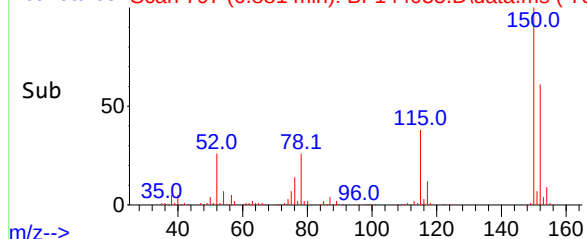
m/z-->

Abundance Scan 797 (6.881 min): BF144035.D\data.ms



m/z-->

Abundance Scan 797 (6.881 min): BF144035.D\data.ms (-78



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.881 min Scan# 79

Delta R.T. -0.005 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

Instrument :

BNA_F

ClientSampleId :

PR132-S08-000013-20251017

Tgt Ion:152 Resp: 88270

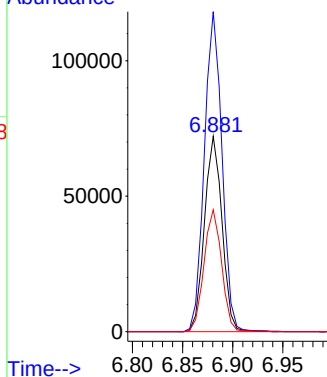
Ion Ratio Lower Upper

152 100

150 163.9 124.4 186.6

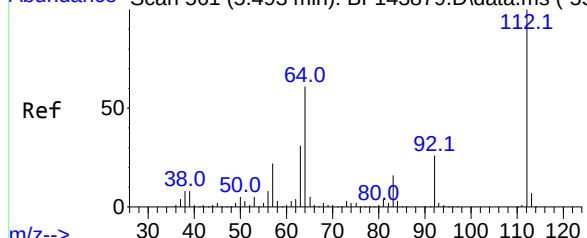
115 62.4 48.1 72.1

Abundance



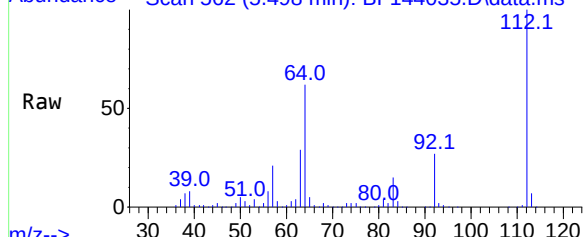
Time-->

Abundance Scan 561 (5.493 min): BF143879.D\data.ms (-55



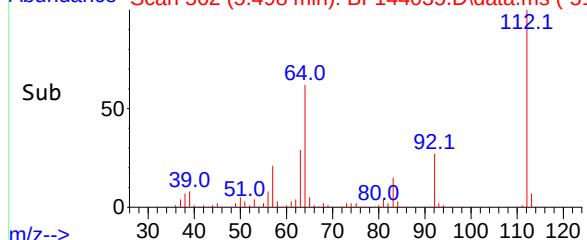
m/z-->

Abundance Scan 562 (5.498 min): BF144035.D\data.ms



m/z-->

Abundance Scan 562 (5.498 min): BF144035.D\data.ms (-51



m/z-->

#5

2-Fluorophenol

Concen: 77.394 ng

RT: 5.498 min Scan# 562

Delta R.T. 0.000 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

Tgt Ion:112 Resp: 430202

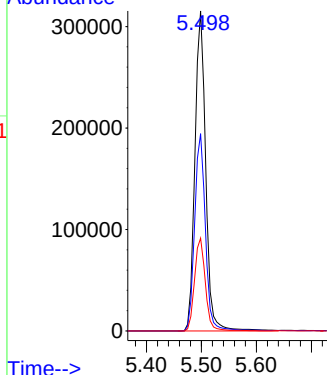
Ion Ratio Lower Upper

112 100

64 61.6 49.1 73.7

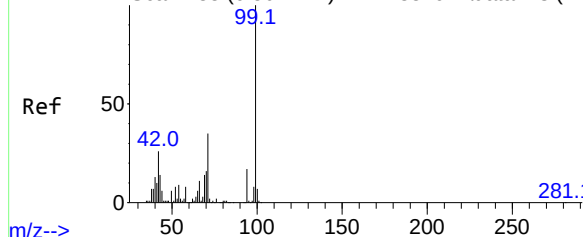
63 29.0 24.5 36.7

Abundance



Time-->

Abundance Scan 733 (6.504 min): BF143879.D\data.ms (-72



#7

Phenol-d6

Concen: 75.041 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

Instrument :

BNA_F

ClientSampleId :

PR132-S08-000013-20251017

Tgt Ion: 99 Resp: 497196

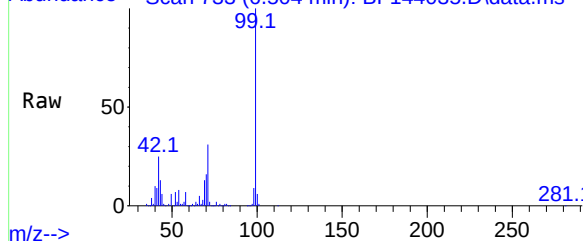
Ion Ratio Lower Upper

99 100

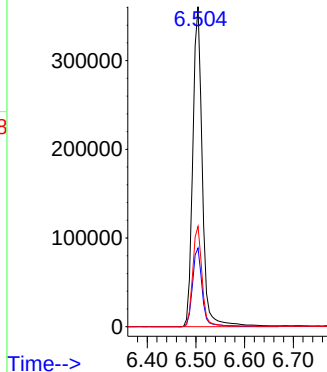
42 24.6 21.0 31.4

71 31.4 27.8 41.8

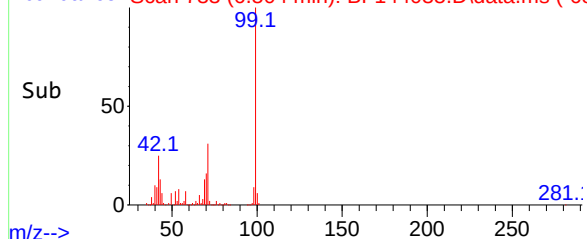
Abundance Scan 733 (6.504 min): BF144035.D\data.ms



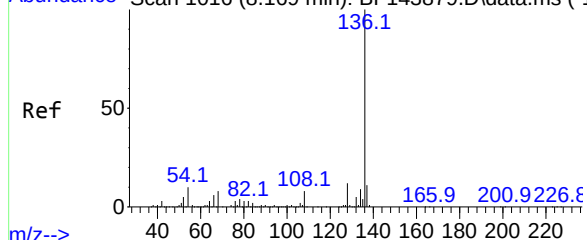
Abundance



Abundance Scan 733 (6.504 min): BF144035.D\data.ms (-68



Abundance Scan 1016 (8.169 min): BF143879.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

Tgt Ion: 136 Resp: 318764

Ion Ratio Lower Upper

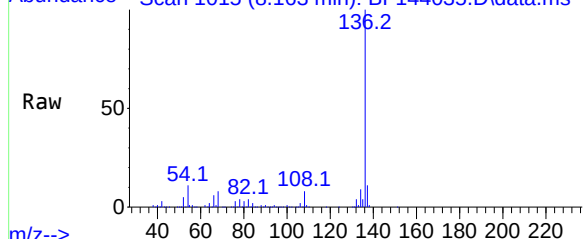
136 100

137 11.0 8.5 12.7

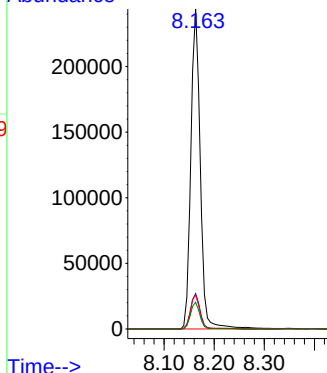
54 10.6 8.2 12.4

68 8.3 6.2 9.4

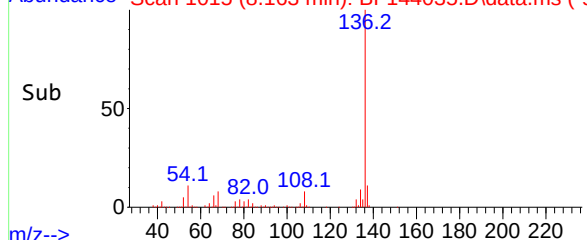
Abundance Scan 1015 (8.163 min): BF144035.D\data.ms



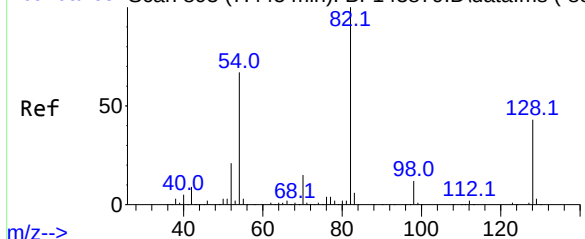
Abundance



Abundance Scan 1015 (8.163 min): BF144035.D\data.ms (-9



Abundance Scan 893 (7.445 min): BF143879.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 51.332 ng

RT: 7.439 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

Instrument :

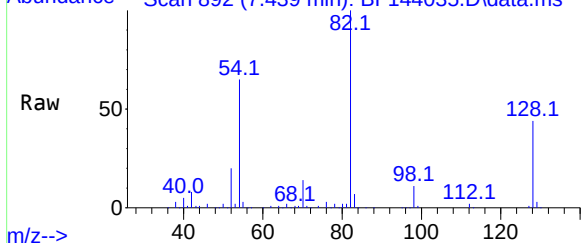
BNA_F

ClientSampleId :

PR132-S08-000013-20251017

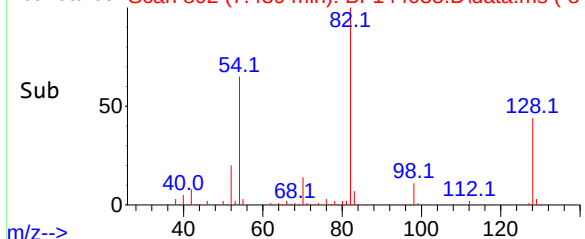
m/z-->

Abundance Scan 892 (7.439 min): BF144035.D\data.ms



m/z-->

Abundance Scan 892 (7.439 min): BF144035.D\data.ms (-84



m/z-->

Tgt Ion: 82 Resp: 269327

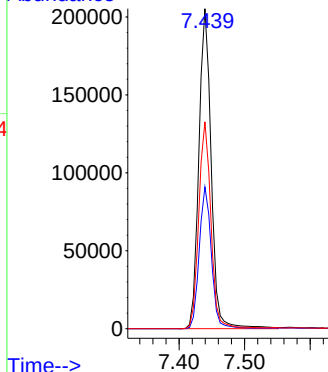
Ion Ratio Lower Upper

82 100

128 44.3 34.0 51.0

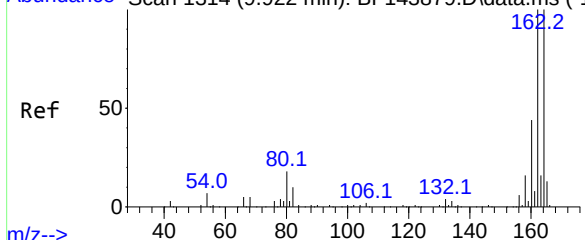
54 64.7 53.2 79.8

Abundance



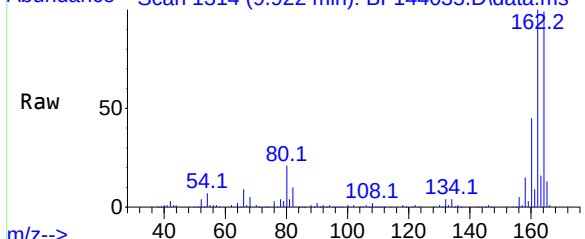
Time-->

Abundance Scan 1314 (9.922 min): BF143879.D\data.ms (-1



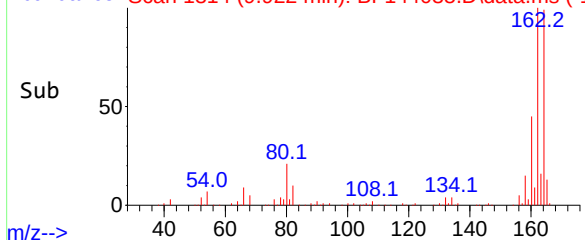
m/z-->

Abundance Scan 1314 (9.922 min): BF144035.D\data.ms



m/z-->

Abundance Scan 1314 (9.922 min): BF144035.D\data.ms (-1



m/z-->

#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

Tgt Ion: 164 Resp: 158279

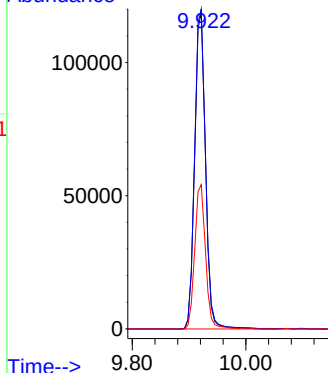
Ion Ratio Lower Upper

164 100

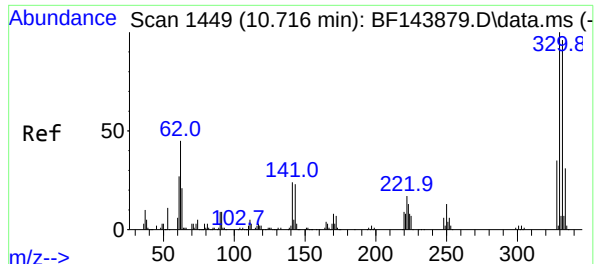
162 101.1 80.2 120.2

160 45.6 35.4 53.0

Abundance



Time-->



#42

2,4,6-Tribromophenol

Concen: 64.170 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

Instrument :

BNA_F

ClientSampleId :

PR132-S08-000013-20251017

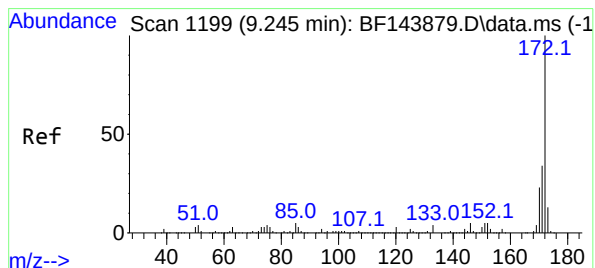
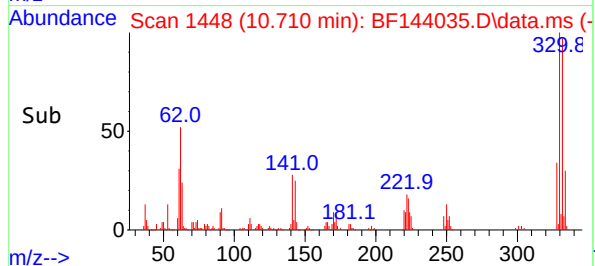
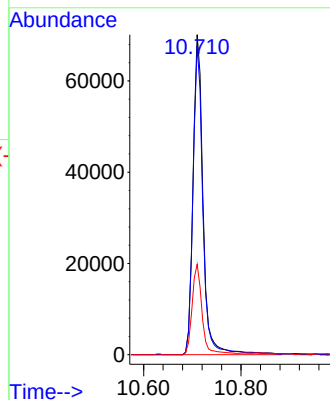
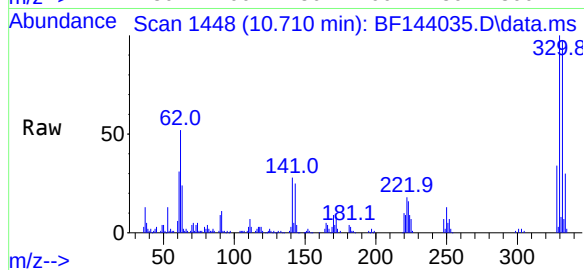
Tgt Ion:330 Resp: 101163

Ion Ratio Lower Upper

330 100

332 94.1 76.9 115.3

141 28.0 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 44.162 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

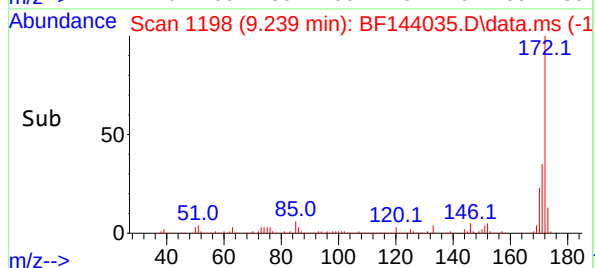
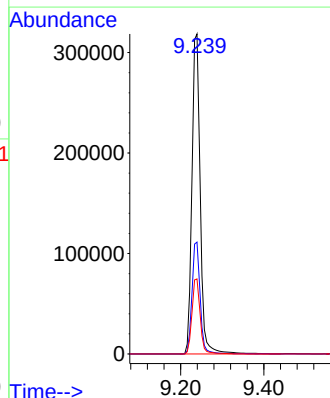
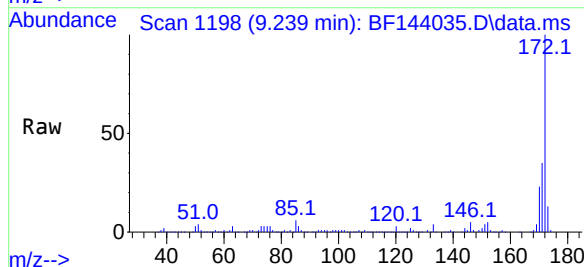
Tgt Ion:172 Resp: 440518

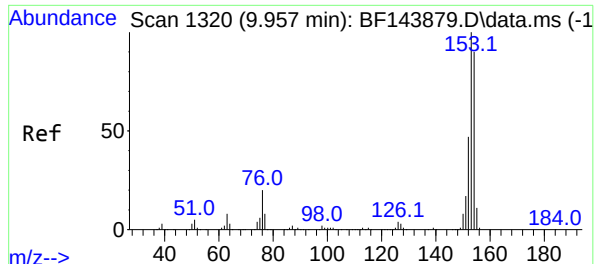
Ion Ratio Lower Upper

172 100

171 35.0 27.4 41.0

170 23.5 18.6 28.0





#52

Acenaphthene

Concen: 2.184 ng

RT: 9.951 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

Instrument :

BNA_F

ClientSampleId :

PR132-S08-000013-20251017

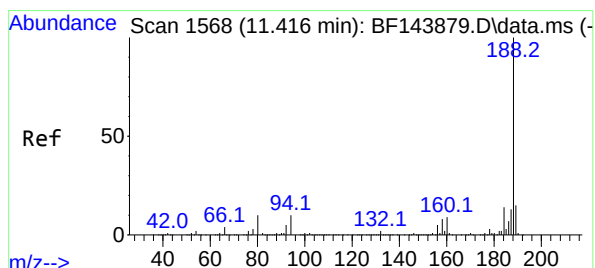
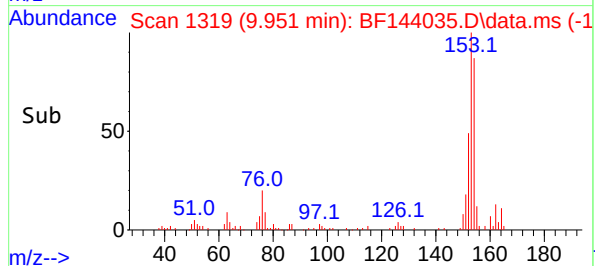
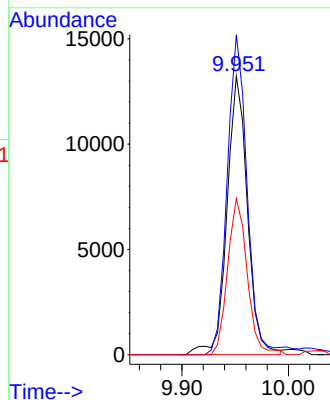
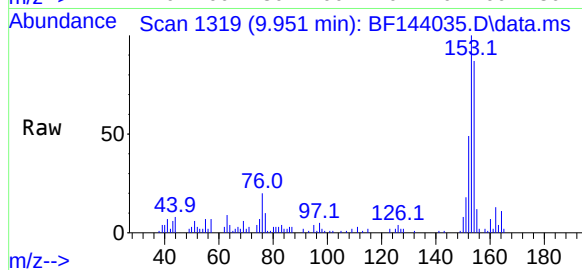
Tgt Ion:154 Resp: 17575

Ion Ratio Lower Upper

154 100

153 114.9 89.3 133.9

152 56.1 42.2 63.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

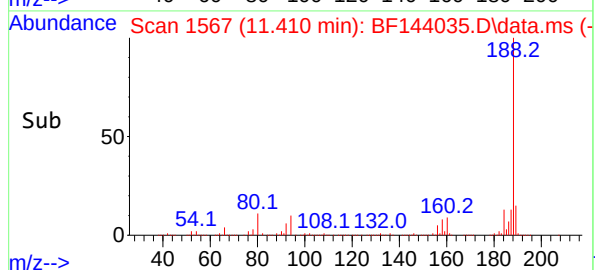
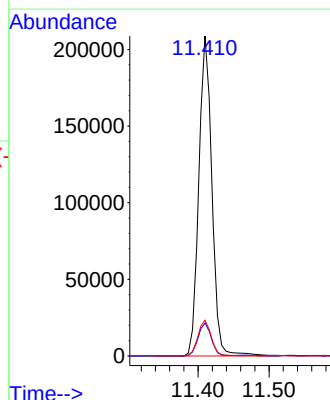
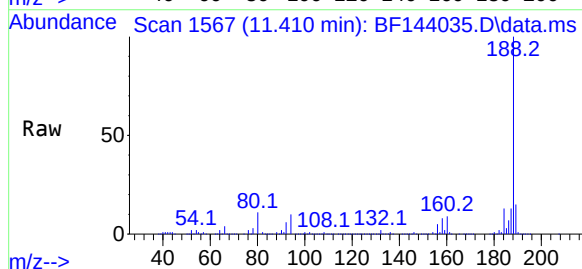
Tgt Ion:188 Resp: 268616

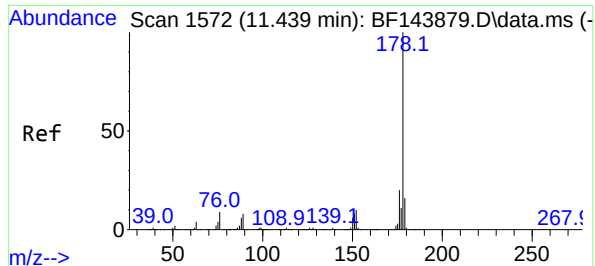
Ion Ratio Lower Upper

188 100

94 10.3 7.8 11.6

80 11.2 7.9 11.9





#71

Phenanthrene

Concen: 4.576 ng

RT: 11.433 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

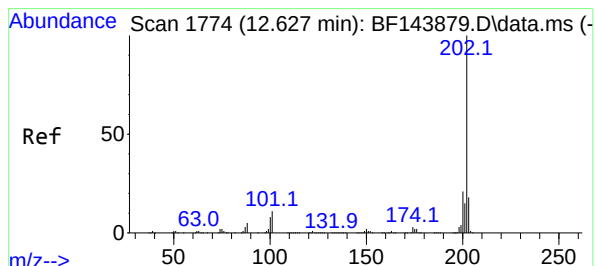
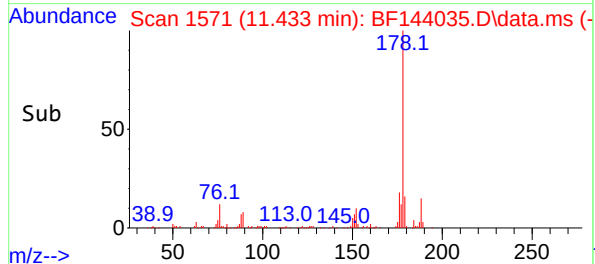
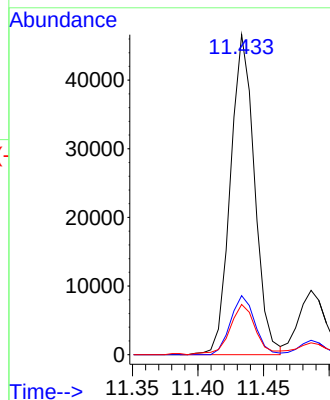
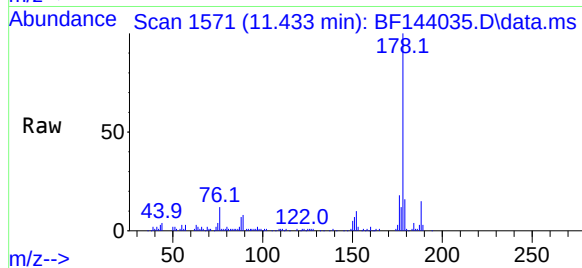
Instrument :

BNA_F

ClientSampleId :

PR132-S08-000013-20251017

Tgt Ion:	178	Resp:	59586
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.9	23.9
179	15.7	12.4	18.6



#75

Fluoranthene

Concen: 2.897 ng

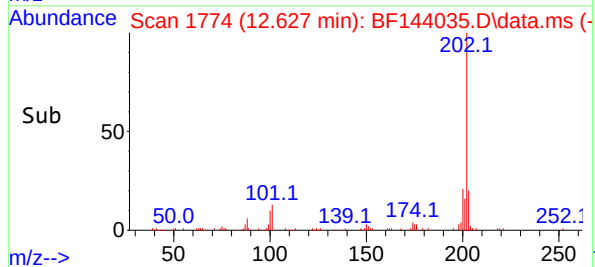
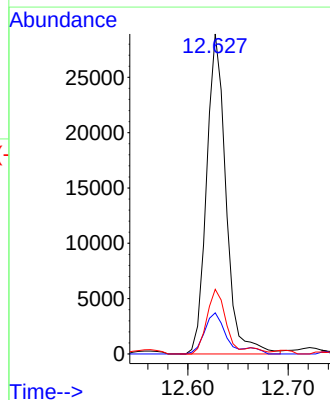
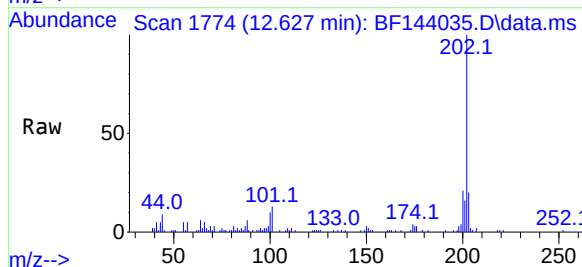
RT: 12.627 min Scan# 1774

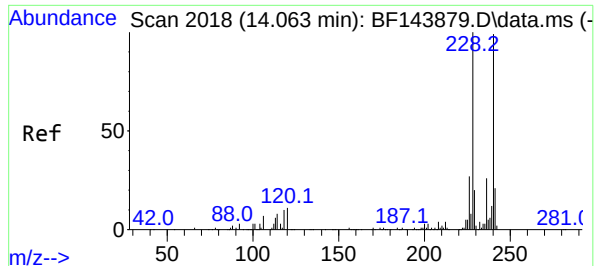
Delta R.T. -0.006 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

Tgt Ion:	202	Resp:	38970
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	30.7
203	20.2	0.0	37.8

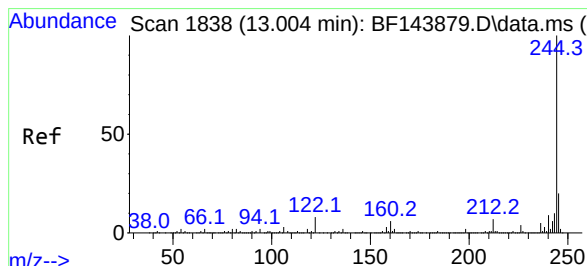
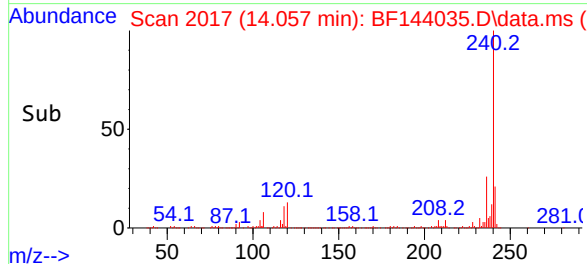
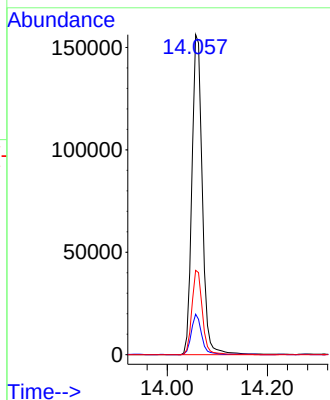
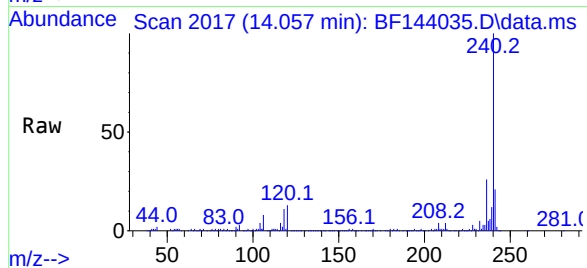




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

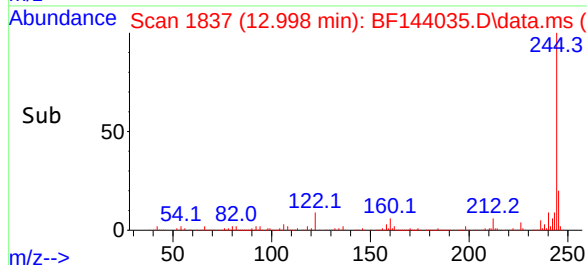
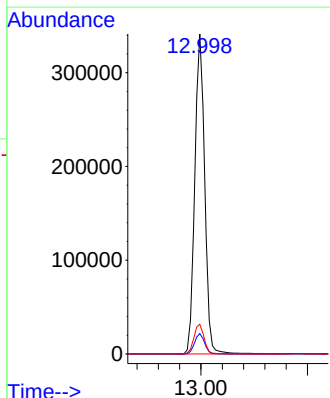
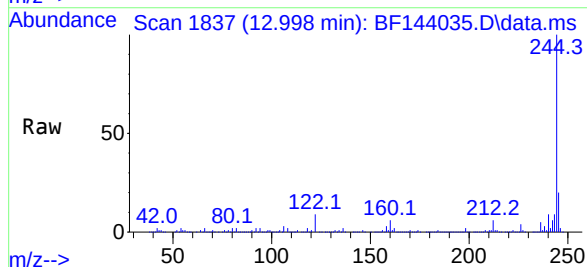
Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

Tgt Ion:240 Resp: 224762
Ion Ratio Lower Upper
240 100
120 12.6 8.6 13.0
236 26.3 21.1 31.7

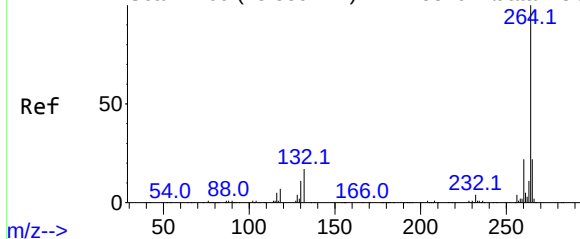


#79
Terphenyl-d14
Concen: 33.427 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144035.D
Acq: 22 Oct 2025 11:57

Tgt Ion:244 Resp: 439602
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.3 6.4 9.6



Abundance Scan 2269 (15.539 min): BF143879.D\data.ms (-



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144035.D

Acq: 22 Oct 2025 11:57

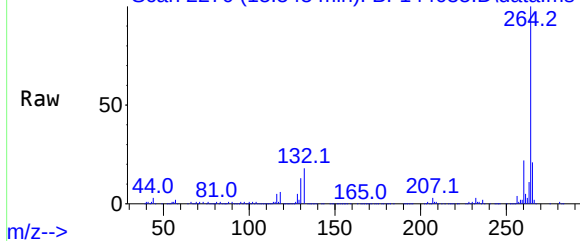
Instrument :

BNA_F

ClientSampleId :

PR132-S08-000013-20251017

Abundance Scan 2270 (15.545 min): BF144035.D\data.ms



Tgt Ion:264 Resp: 269273

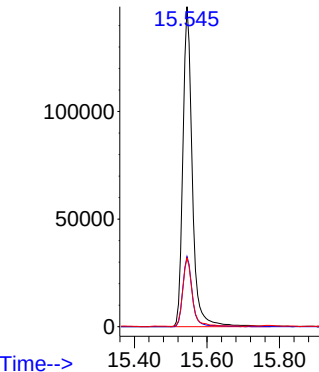
Ion Ratio Lower Upper

264 100

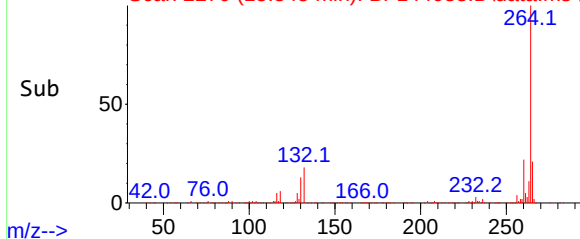
260 21.9 17.8 26.8

265 21.5 17.5 26.3

Abundance



Abundance Scan 2270 (15.545 min): BF144035.D\data.ms (-



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144035.D
Acq On : 22 Oct 2025 11:57
Operator : RC/JU
Sample : Q3393-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144035.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.098	490	494	506	rVB	14485	25407	1.69%	0.212%
2	5.498	556	562	575	rBV	1105227	1497441	99.55%	12.467%
3	6.504	727	733	750	rBV	1090910	1504233	100.00%	12.523%
4	6.881	792	797	803	rVB	448627	549197	36.51%	4.572%
5	7.439	887	892	902	rBV	638655	820091	54.52%	6.828%
6	8.163	1010	1015	1022	rBV	501104	644672	42.86%	5.367%
7	8.581	1082	1086	1097	rVB4	9977	20939	1.39%	0.174%
8	8.975	1150	1153	1160	rVB	10013	15103	1.00%	0.126%
9	9.180	1180	1188	1192	rBV4	10407	19195	1.28%	0.160%
10	9.233	1192	1197	1207	rBV	874526	1192292	79.26%	9.926%
11	9.575	1252	1255	1260	rBV3	11029	19496	1.30%	0.162%
12	9.633	1260	1265	1270	rVB2	20320	33091	2.20%	0.275%
13	9.922	1306	1314	1317	rVV	499738	673433	44.77%	5.607%
14	9.951	1317	1319	1328	rVB	65118	79798	5.30%	0.664%
15	10.127	1344	1349	1353	rBV	20058	30170	2.01%	0.251%
16	10.327	1379	1383	1388	rBV6	9962	16257	1.08%	0.135%
17	10.469	1403	1407	1412	rBV	29039	40280	2.68%	0.335%
18	10.563	1419	1423	1428	rBV5	11073	17268	1.15%	0.144%
19	10.633	1430	1435	1442	rVB	162460	207795	13.81%	1.730%
20	10.710	1443	1448	1459	rBV	539244	763679	50.77%	6.358%
21	10.833	1465	1469	1476	rVB	28642	45092	3.00%	0.375%
22	11.304	1545	1549	1554	rVB4	20975	33610	2.23%	0.280%
23	11.410	1562	1567	1577	rBV2	508099	807739	53.70%	6.725%
24	11.486	1577	1580	1584	rVB	17994	22876	1.52%	0.190%
25	11.645	1605	1607	1618	rVB7	9974	19989	1.33%	0.166%
26	11.939	1650	1657	1661	rBV3	44625	87624	5.83%	0.729%
27	12.027	1669	1672	1681	rVB2	26200	42929	2.85%	0.357%
28	12.627	1770	1774	1777	rBV	67100	85800	5.70%	0.714%
29	12.668	1777	1781	1787	rVB	90434	118544	7.88%	0.987%
30	12.857	1808	1813	1820	rBV	47785	77068	5.12%	0.642%
31	12.998	1832	1837	1847	rBV	859146	1104157	73.40%	9.192%
32	14.057	2010	2017	2030	rVB	443637	665022	44.21%	5.537%
33	14.910	2159	2162	2166	rBV2	15148	19740	1.31%	0.164%
34	15.545	2264	2270	2291	rVB	385937	711512	47.30%	5.924%

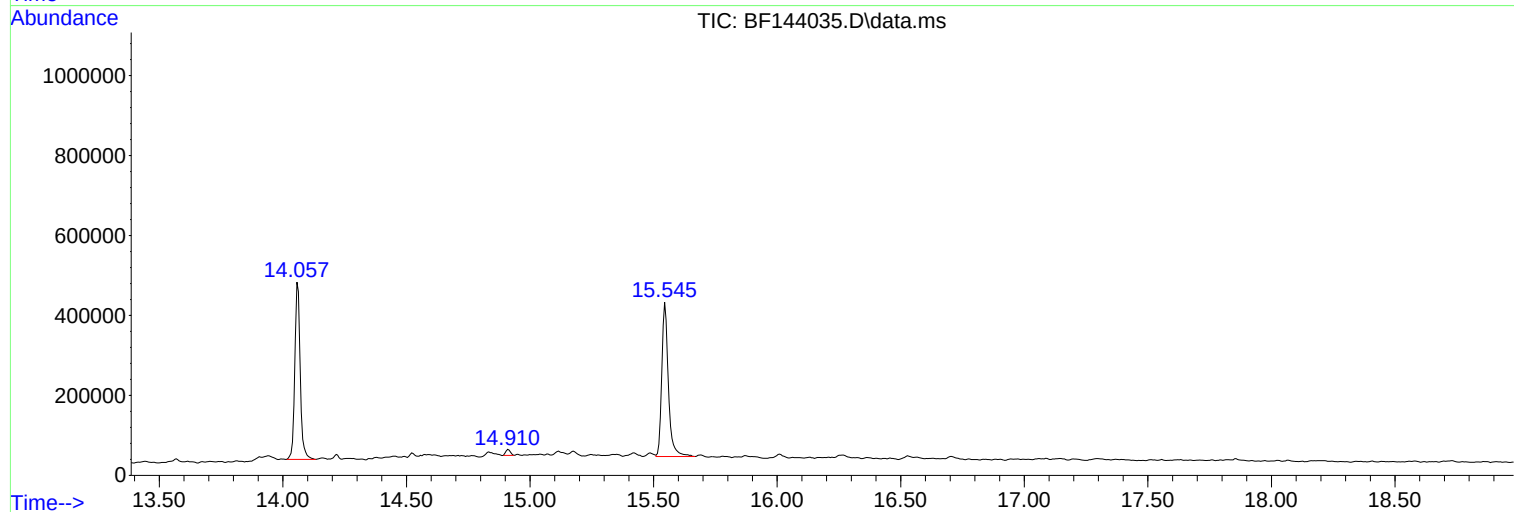
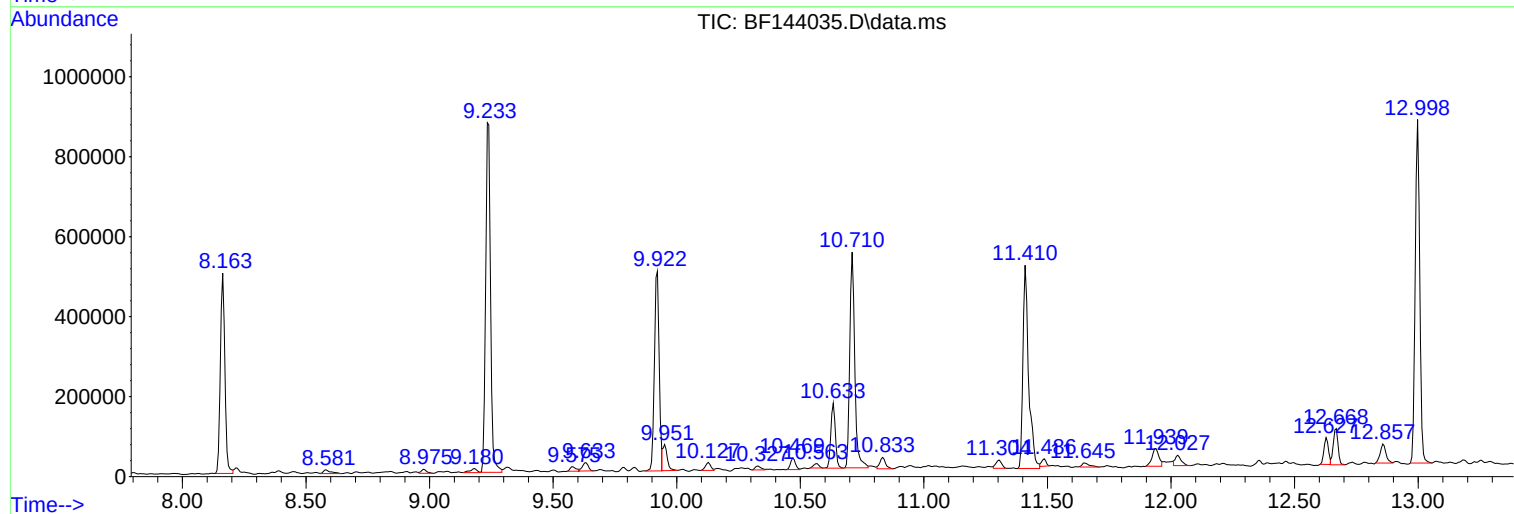
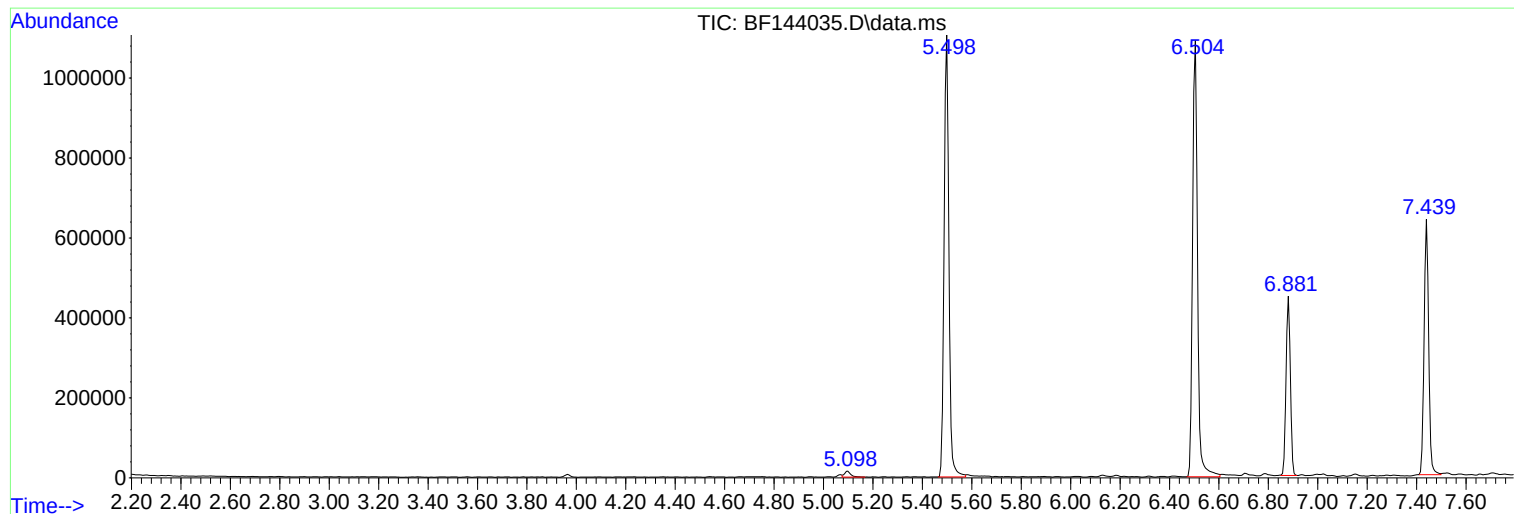
Sum of corrected areas: 12011539

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144035.D
Acq On : 22 Oct 2025 11:57
Operator : RC/JU
Sample : Q3393-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144035.D
Acq On : 22 Oct 2025 11:57
Operator : RC/JU
Sample : Q3393-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

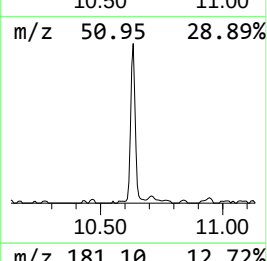
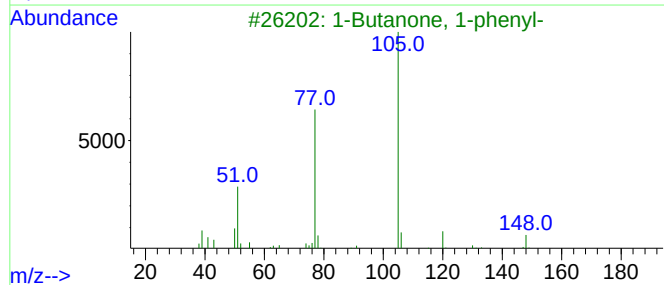
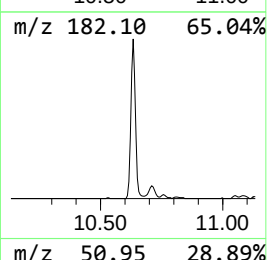
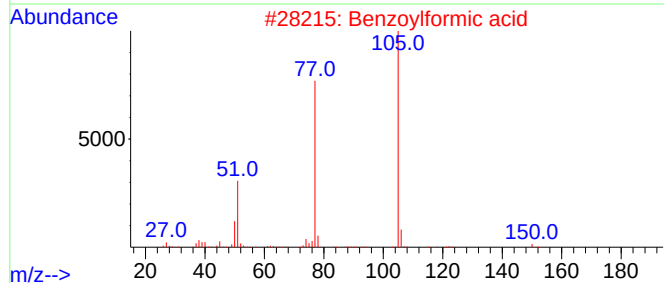
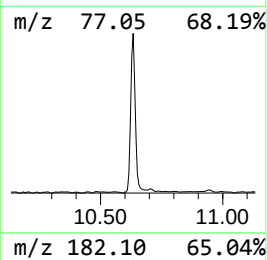
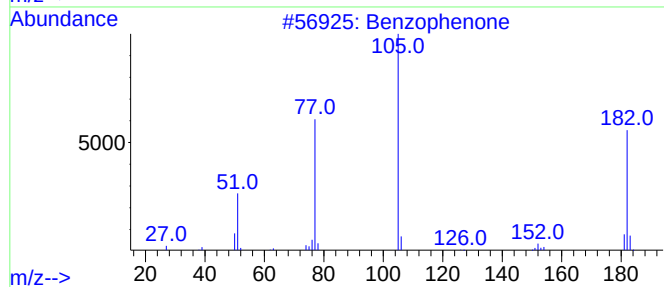
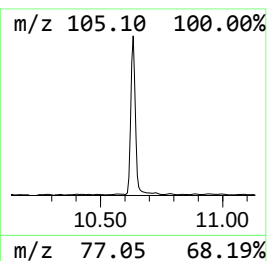
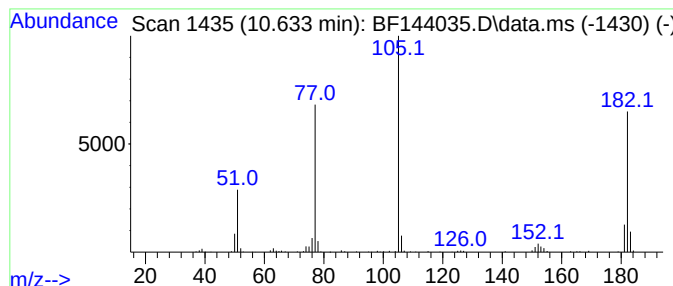
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	6.17 ng	207795	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzoylformic acid	150	C8H6O3	000611-73-4	46
3			1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	43
4			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	43
5			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144035.D
Acq On : 22 Oct 2025 11:57
Operator : RC/JU
Sample : Q3393-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

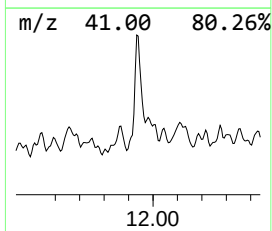
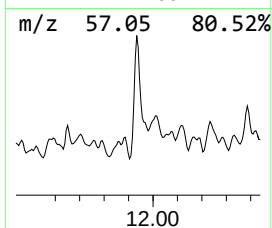
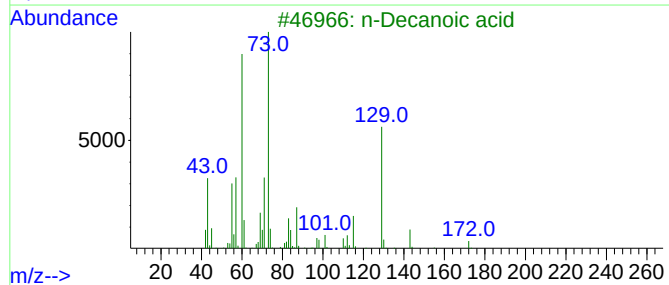
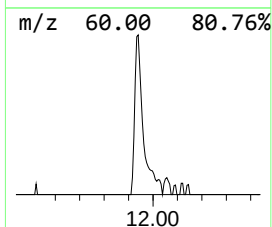
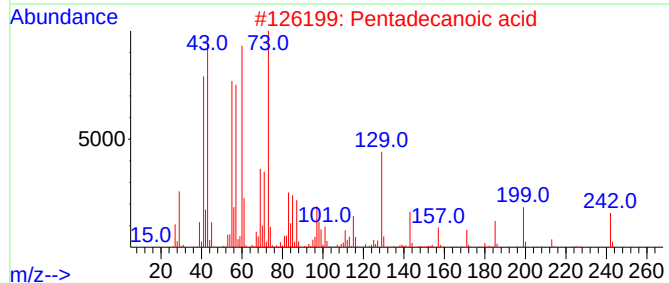
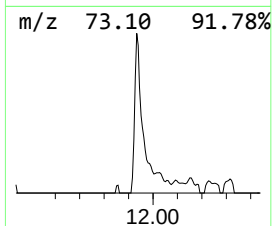
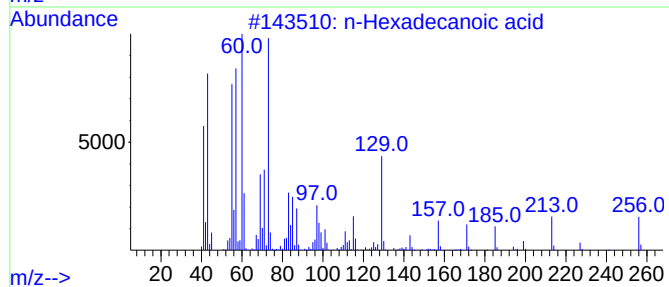
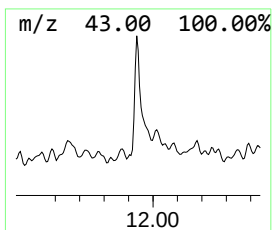
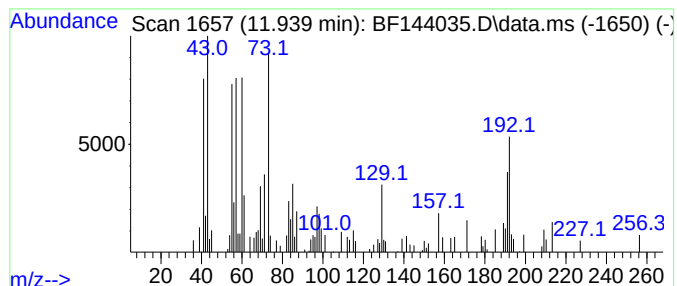
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	2.17 ng	87624	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	68
3			n-Decanoic acid	172	C10H20O2	000334-48-5	43
4			Methyl 2,6-anhydro-.alpha.-d-alt...	176	C7H12O5	1000130-02-0	27
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144035.D
Acq On : 22 Oct 2025 11:57
Operator : RC/JU
Sample : Q3393-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S08-000013-20251017

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.633	6.2	ng	207795	3	9.922	673433	20.0
n-Hexadecanoic ...	11.939	2.2	ng	87624	4	11.410	807739	20.0



CALIBRATION SUMMARY

1
2
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Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025
Response Via : Initial Calibration

Calibration Files

2.5 =BF143875.D 5 =BF143876.D 10 =BF143877.D 20 =BF143878.D 40 =BF143879.D 50 =BF143880.D 60 =BF143881.D 80 =BF143882.D

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

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

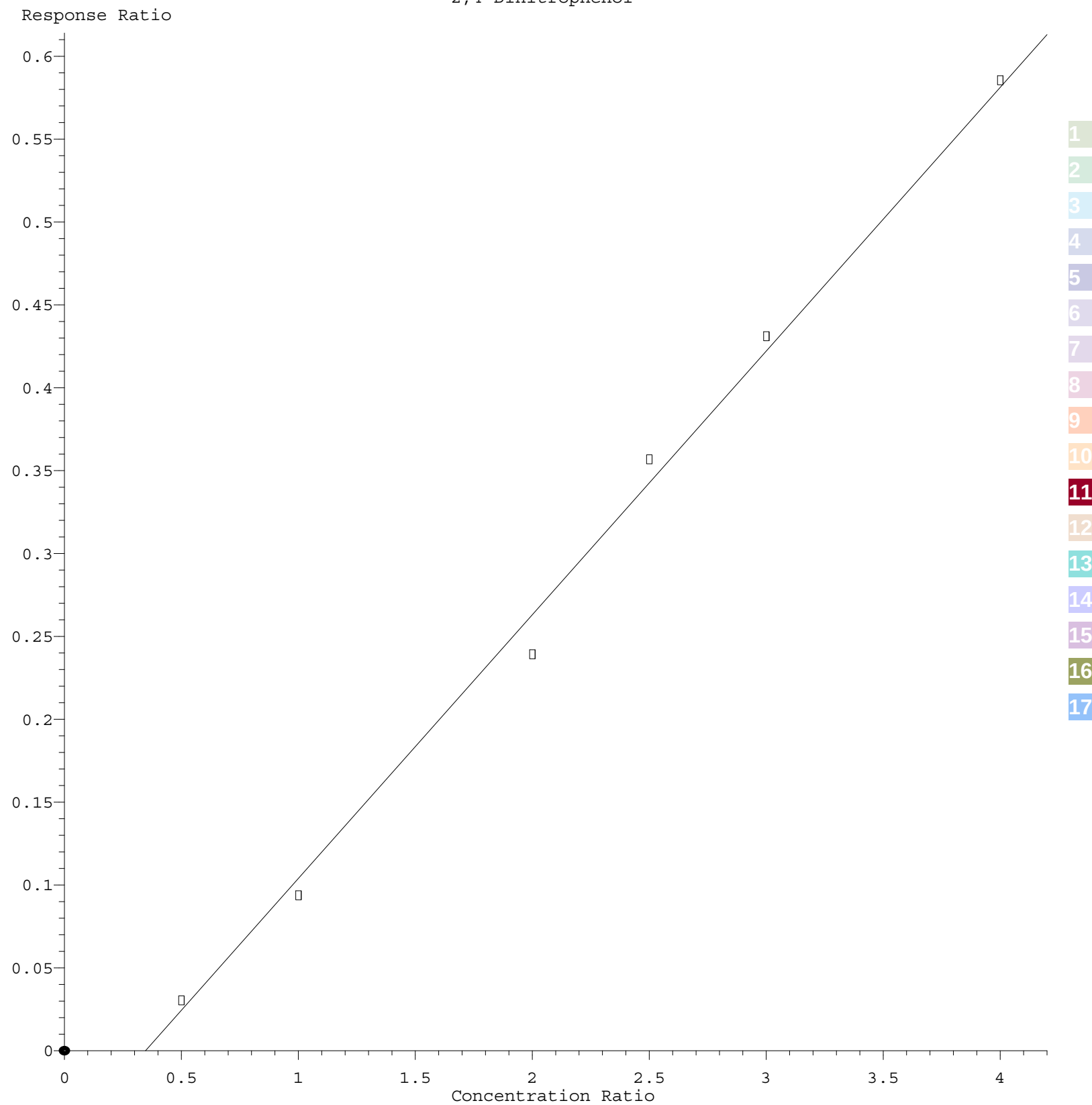
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.610	0.592	0.595	0.590	0.500	0.519	0.464	0.553	10.38	
41) P	Hexachlorocycl...	0.182	0.216	0.257	0.246	0.240	0.235	0.229		11.77	
42) S	2,4,6-Tribromo...	0.194	0.192	0.210	0.207	0.198	0.200	0.193	0.199	3.51	
43) C	2,4,6-Trichlor...	0.408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

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

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

(#) = Out of Range

2,4-Dinitrophenol



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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

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

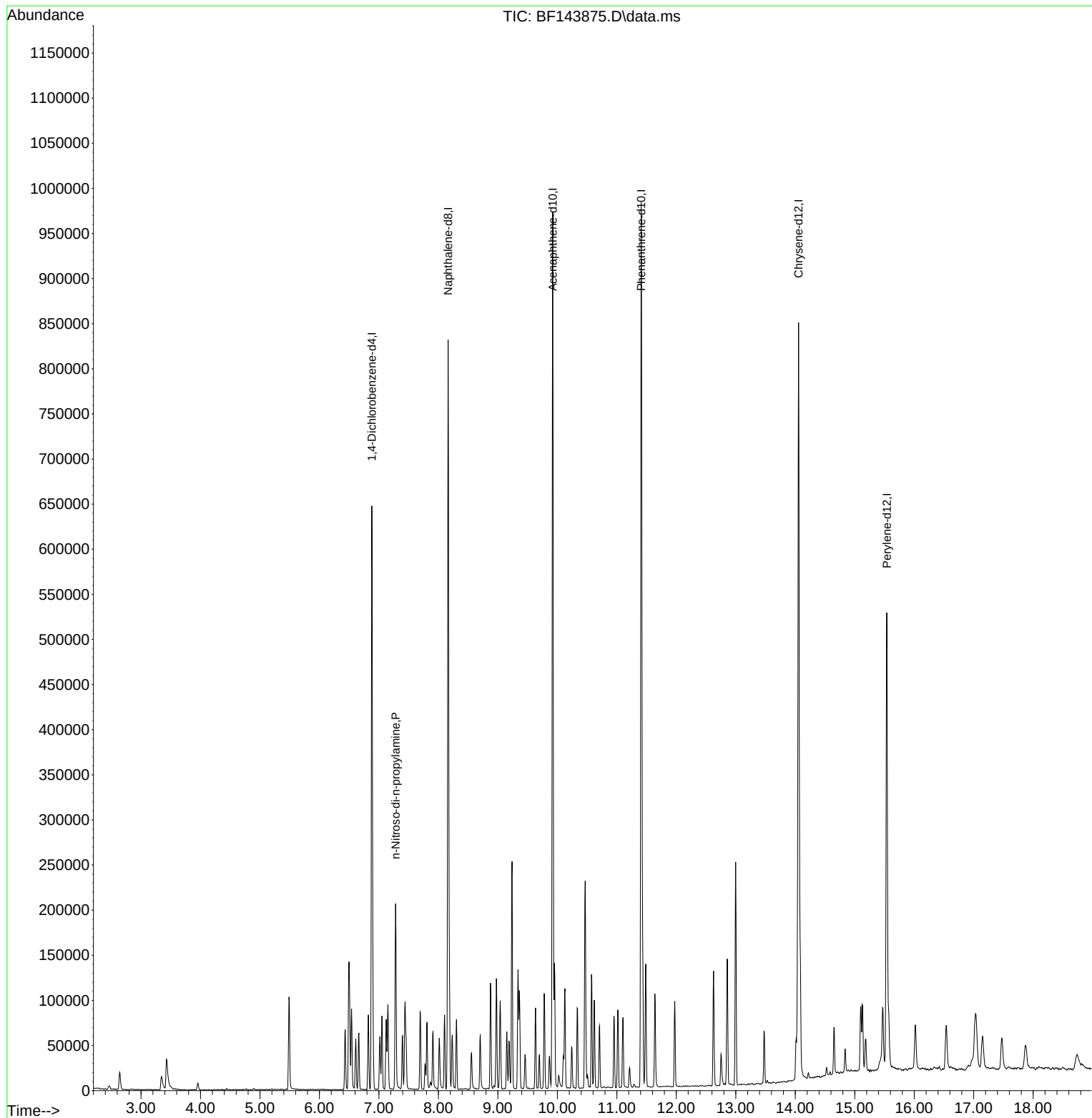
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	128129	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	501174	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	285618	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	520523	20.000	ng	0.00
76) Chrysene-d12	14.057	240	373433	20.000	ng	-0.01
86) Perylene-d12	15.539	264	316147	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.281	70	16847	2.559	ng	Qvalue 98

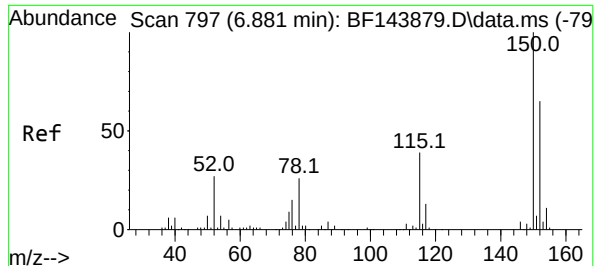
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

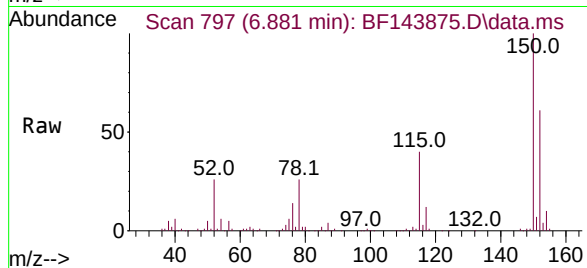
Quant Time: Oct 06 15:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



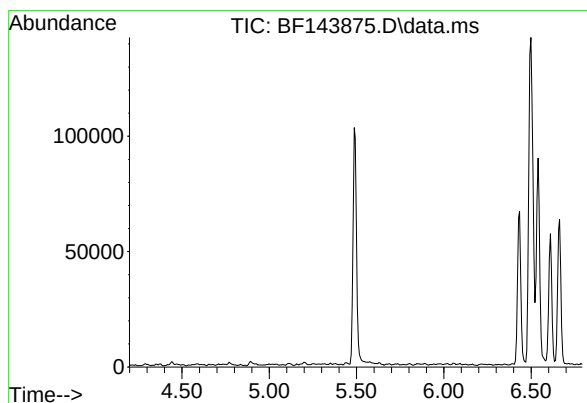
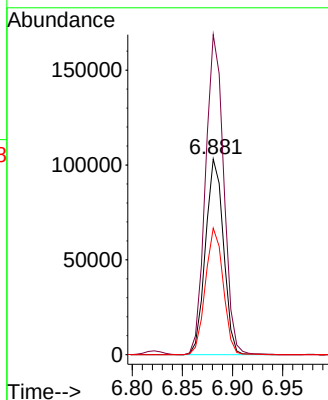
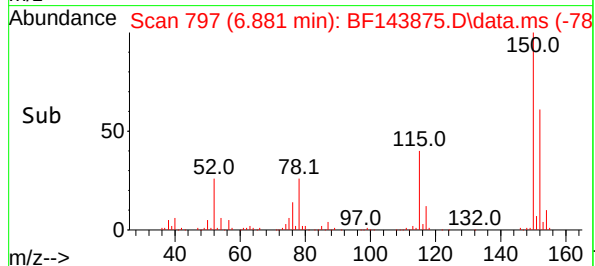


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



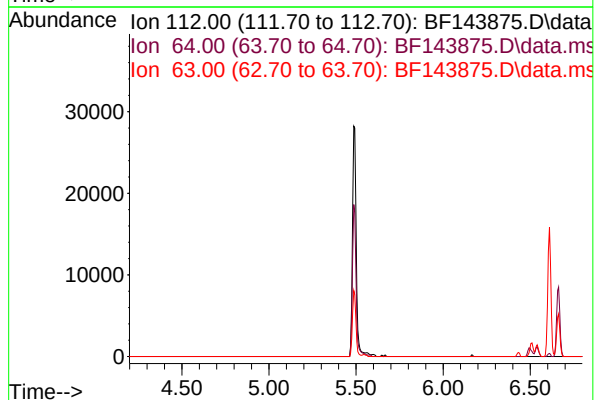
Tgt Ion:152 Resp: 128129
Ion Ratio Lower Upper
152 100
150 163.6 124.4 186.6
115 64.7 48.1 72.1

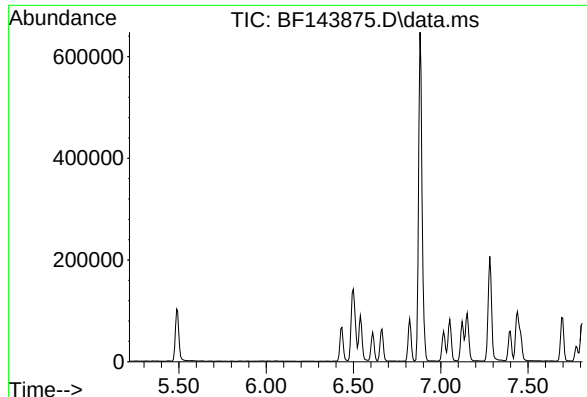


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

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

Tgt Ion: 112
Sig Exp Ratio
112 100
64 61.4
63 30.6

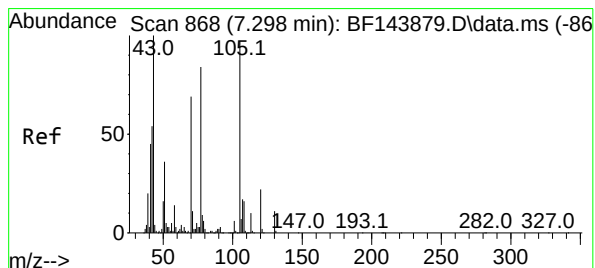
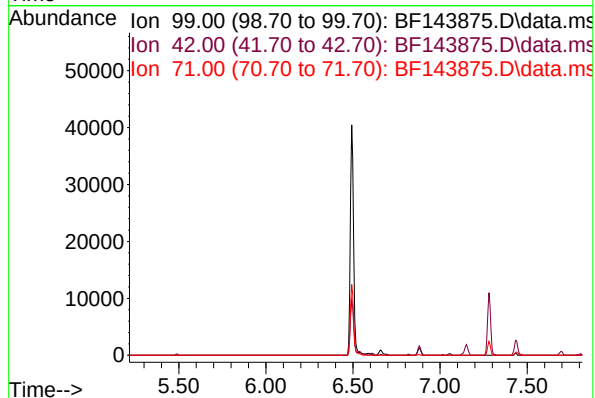




#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.52 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

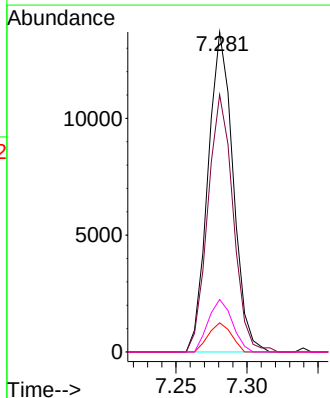
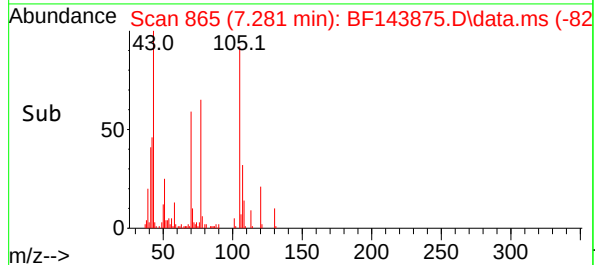
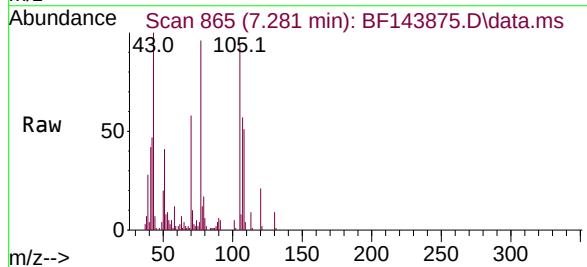
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

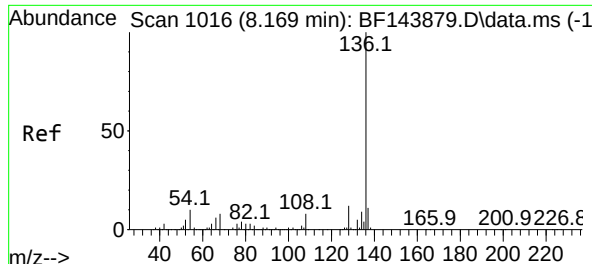
Tgt Ion: 99
Sig Exp Ratio
99 100
42 26.2
71 34.8



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

Tgt Ion: 70 Resp: 16847
Ion Ratio Lower Upper
70 100
42 80.4 62.8 94.2
101 9.1 6.7 10.1
130 16.4 13.0 19.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF143875.D

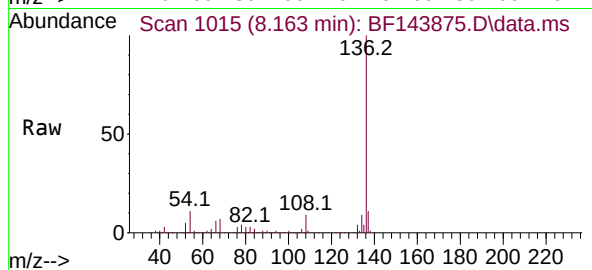
Acq: 06 Oct 2025 09:59

Instrument :

BNA_F

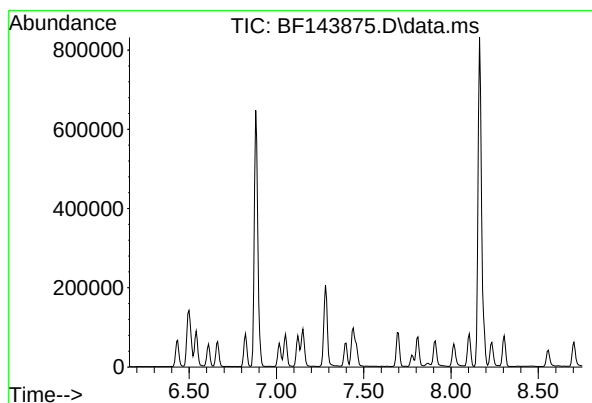
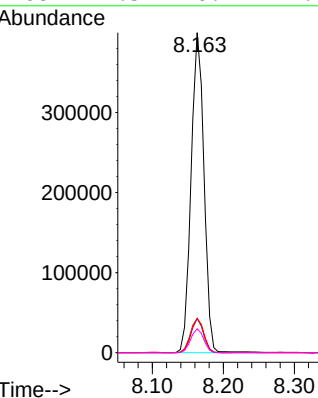
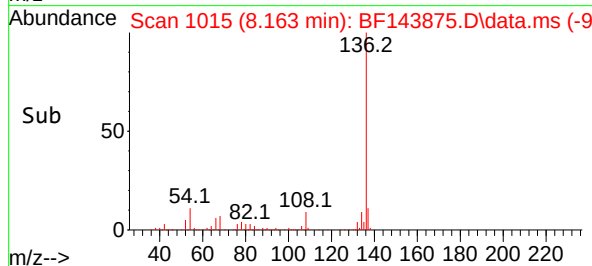
ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 501174

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



#23

Nitrobenzene-d5

Concen: 0.000 ng

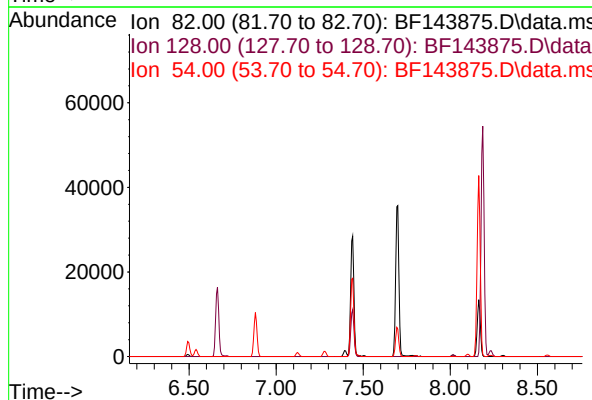
Expected RT: 7.46 min

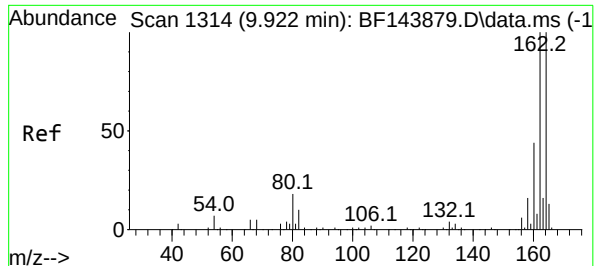
Lab File: BF143875.D

Acq: 06 Oct 2025 09:59

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	42.5
54	66.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143875.D

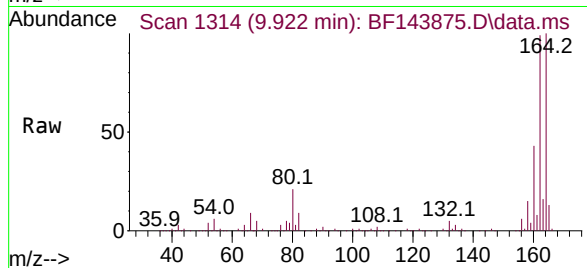
Acq: 06 Oct 2025 09:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



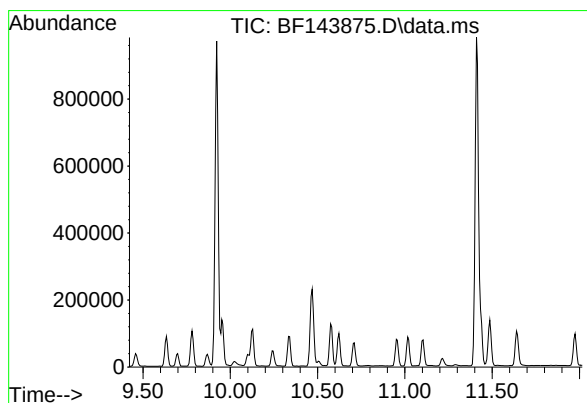
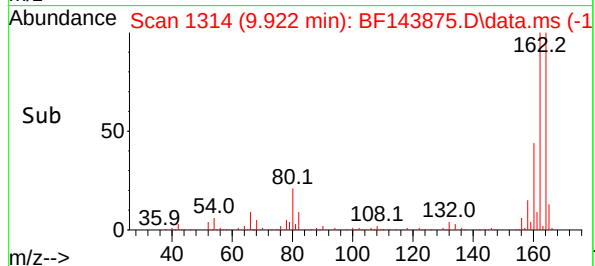
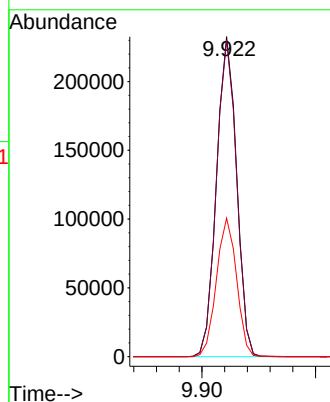
Tgt Ion:164 Resp: 285618

Ion Ratio Lower Upper

164 100

162 98.9 80.2 120.2

160 43.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.72 min

Lab File: BF143875.D

Acq: 06 Oct 2025 09:59

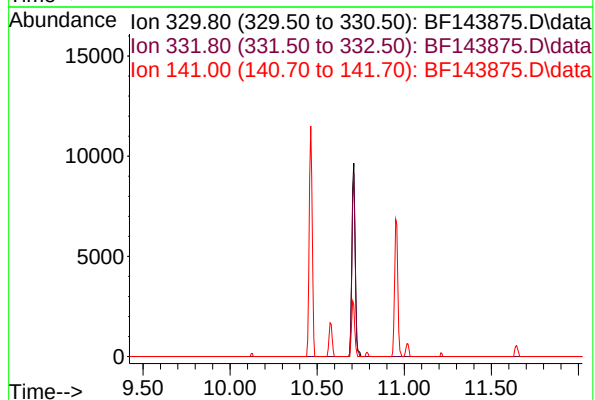
Tgt Ion: 330

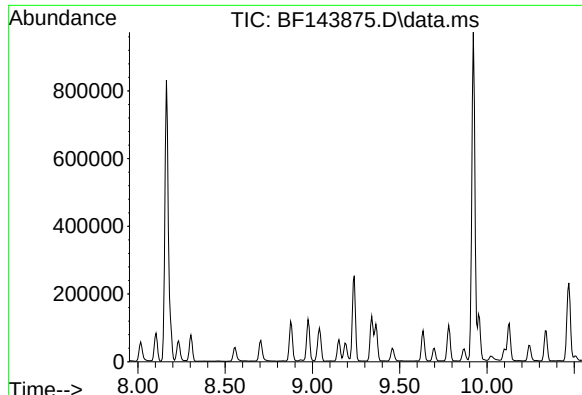
Sig Exp Ratio

330 100

332 96.1

141 25.3

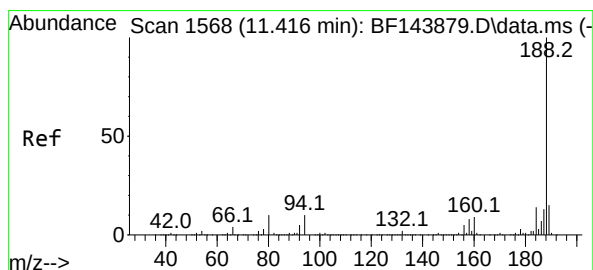
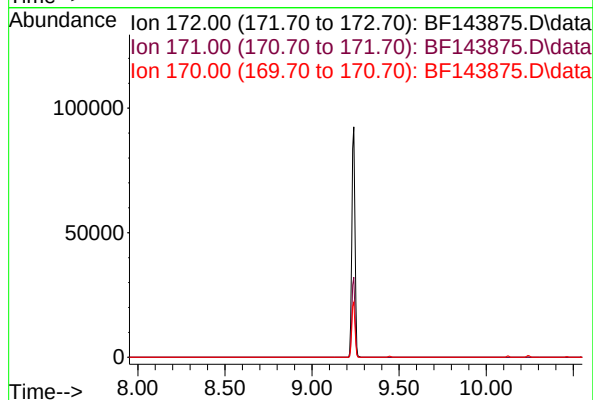




#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

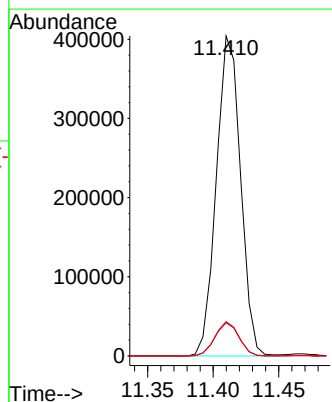
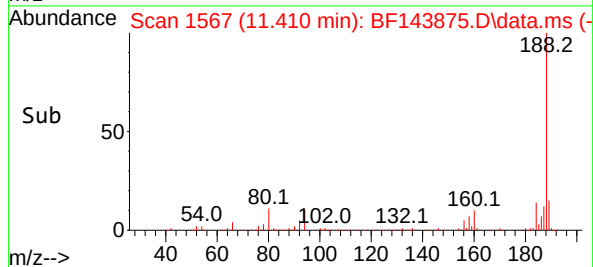
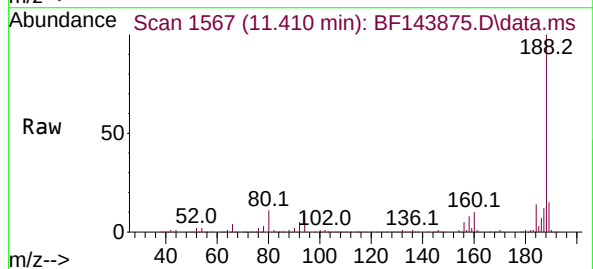
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

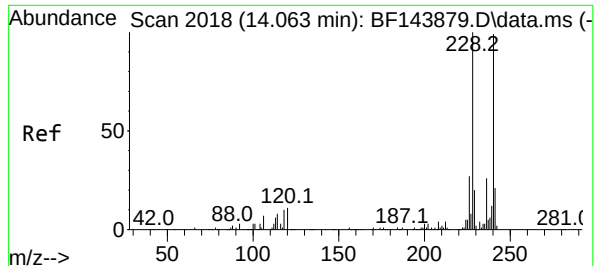
Tgt Ion: 172
Sig Exp Ratio
172 100
171 34.2
170 23.3



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

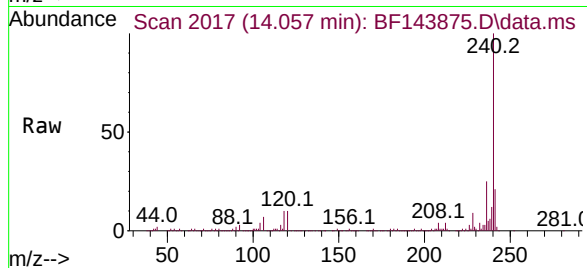
Tgt Ion: 188 Resp: 520523
Ion Ratio Lower Upper
188 100
94 10.4 7.8 11.6
80 10.7 7.9 11.9



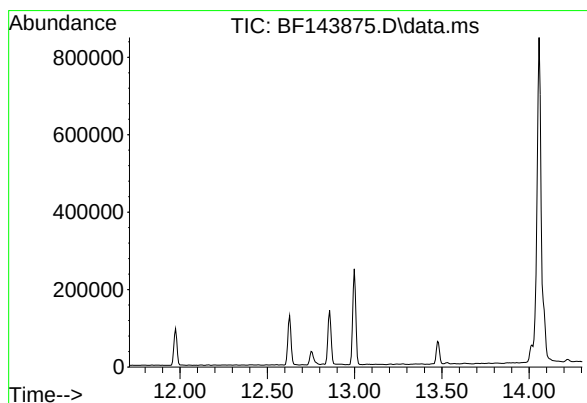
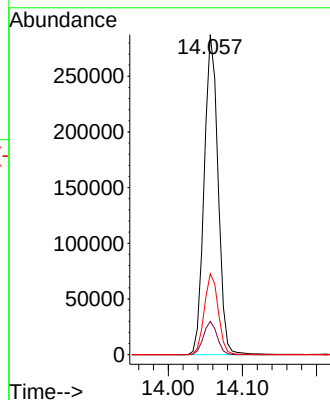
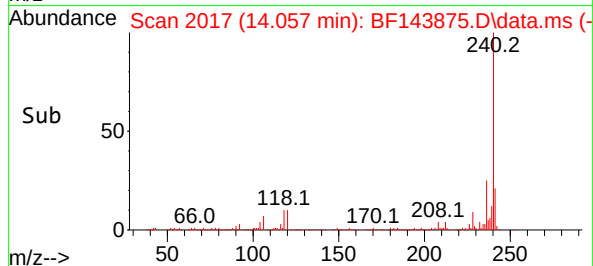


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



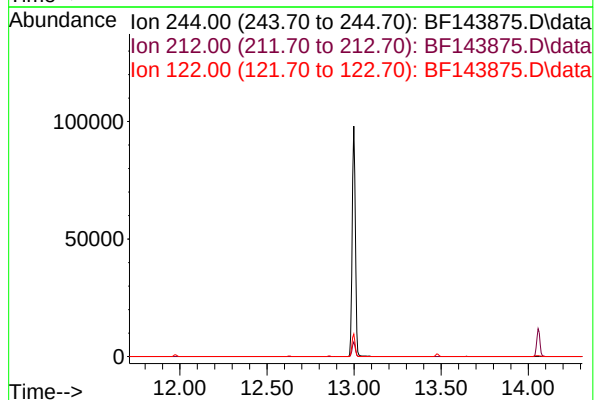
Tgt Ion:240 Resp: 373433
Ion Ratio Lower Upper
240 100
120 10.4 8.6 13.0
236 25.3 21.1 31.7



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

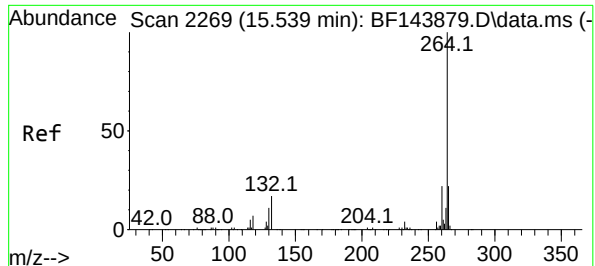
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

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



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

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143875.D

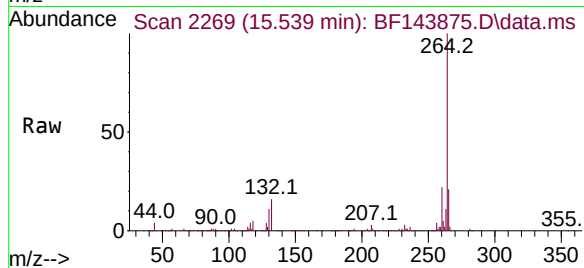
Acq: 06 Oct 2025 09:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



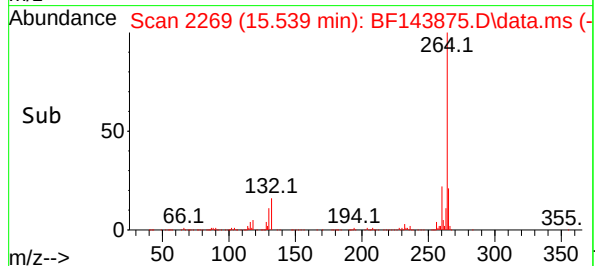
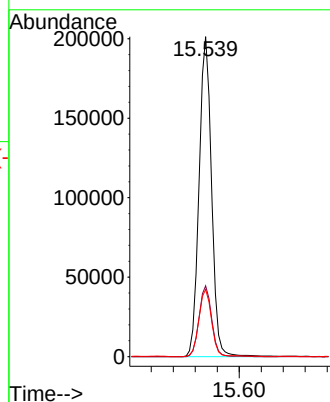
Tgt Ion:264 Resp: 316147

Ion Ratio Lower Upper

264 100

260 22.1 17.8 26.8

265 21.0 17.5 26.3



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

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:14:06 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 06 15:29:47 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	137596	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	524114	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	303230	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	538298	20.000	ng	0.00
76) Chrysene-d12	14.057	240	379937	20.000	ng	-0.01
86) Perylene-d12	15.539	264	317181	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	94810	10.942	ng	-0.01
7) Phenol-d6	6.493	99	111877	10.832	ng	-0.02
23) Nitrobenzene-d5	7.440	82	85080	9.862	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	29360	9.721	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	237689	12.438	ng	-0.01
79) Terphenyl-d14	12.998	244	247223	11.121	ng	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.646	88	21110	5.265	ng	96
3) Pyridine	3.422	79	58179	4.984	ng	96
6) Aniline	6.540	93	82563	5.335	ng	99
8) 2-Chlorophenol	6.663	128	45534	5.376	ng	96
10) Phenol	6.510	94	66523m	5.388	ng	
11) bis(2-Chloroethyl)ether	6.610	93	51163	5.364	ng	98
12) 1,3-Dichlorobenzene	6.822	146	59929	5.911	ng	96
13) 1,4-Dichlorobenzene	6.898	146	56869	5.686	ng	98
14) 1,2-Dichlorobenzene	7.051	146	54371	5.676	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	121082	5.577	ng	99
17) 2-Methylphenol	7.122	107	36595	5.228	ng	97
18) Hexachloroethane	7.398	117	18346	5.501	ng	96
19) n-Nitroso-di-n-propyla...	7.281	70	39050	5.524	ng	98
22) Acetophenone	7.287	105	67515	6.092	ng	95
24) Nitrobenzene	7.457	77	48413	5.054	ng	96
25) Isophorone	7.692	82	98761	5.429	ng	100
26) 2-Nitrophenol	7.775	139	15870	3.864	ng	93
27) 2,4-Dimethylphenol	7.810	122	37645	5.095	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	66779	5.812	ng	99
29) 2,4-Dichlorophenol	8.016	162	41484	5.390	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	43309	5.722	ng	100
31) Naphthalene	8.187	128	144561	6.063	ng	100
33) 4-Chloroaniline	8.234	127	48181	5.388	ng	97
34) Hexachlorobutadiene	8.304	225	30246	5.751	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	39500	5.343	ng	99
37) 2-Methylnaphthalene	8.875	142	97227	6.122	ng	100
38) 1-Methylnaphthalene	8.975	142	94190	6.114	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	46252	5.519	ng	93
43) 2,4,6-Trichlorophenol	9.151	196	30908	5.047	ng	98
44) 2,4,5-Trichlorophenol	9.187	196	33613	5.194	ng	94
46) 1,1'-Biphenyl	9.339	154	122568	6.105	ng	100
47) 2-Chloronaphthalene	9.363	162	98102	5.861	ng	98
48) 2-Nitroaniline	9.457	65	22188	4.193	ng	98
49) Acenaphthylene	9.781	152	136204	5.788	ng	98
50) Dimethylphthalate	9.634	163	109323	5.677	ng	98
51) 2,6-Dinitrotoluene	9.698	165	15228	4.265	ng	97

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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

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

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

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

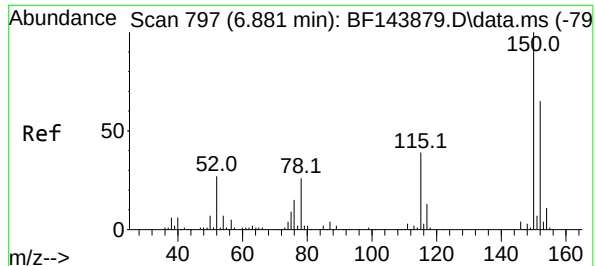
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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





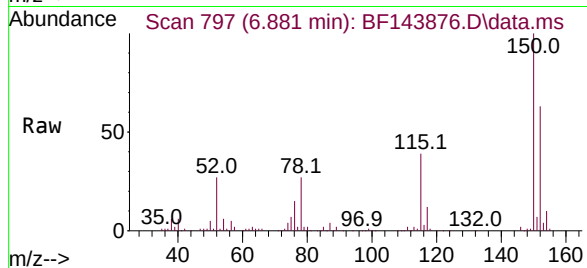
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

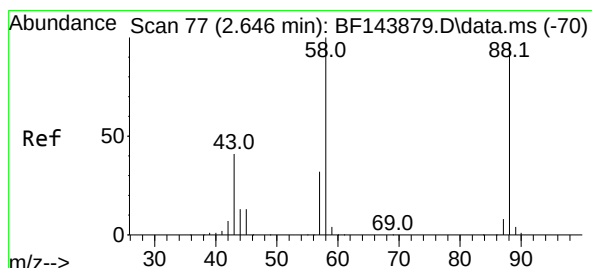
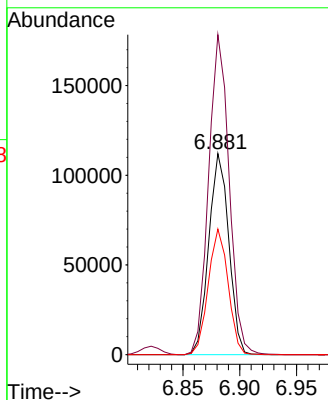
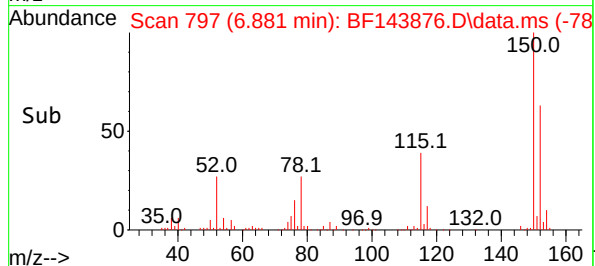


Tgt Ion:152 Resp: 137596
Ion Ratio Lower Upper
152 100
150 159.1 124.4 186.6
115 62.4 48.1 72.1

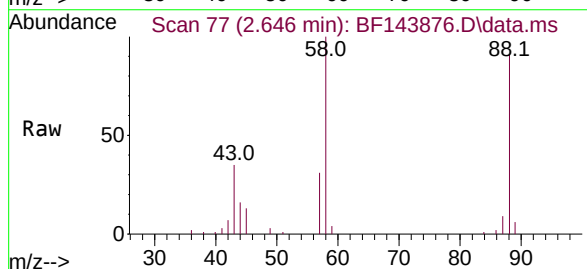
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025

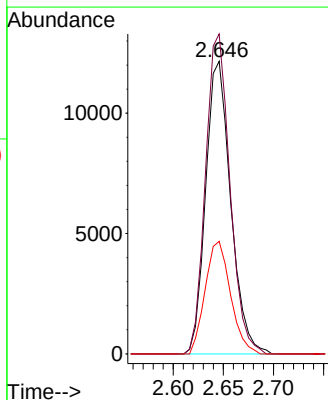
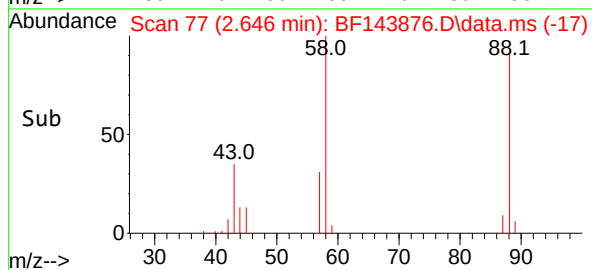
Supervised By :Jagrut Upadhyay 10/07/2025

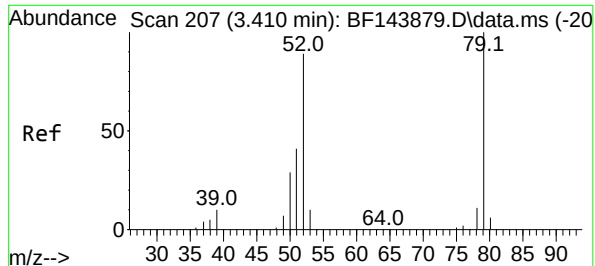


#2
1,4-Dioxane
Concen: 5.265 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



Tgt Ion: 88 Resp: 21110
Ion Ratio Lower Upper
88 100
58 106.6 83.0 124.6
43 38.9 33.9 50.9





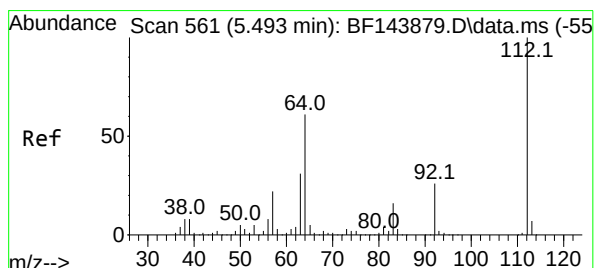
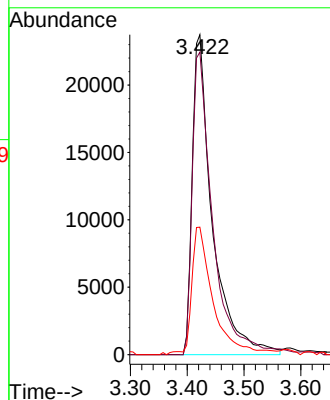
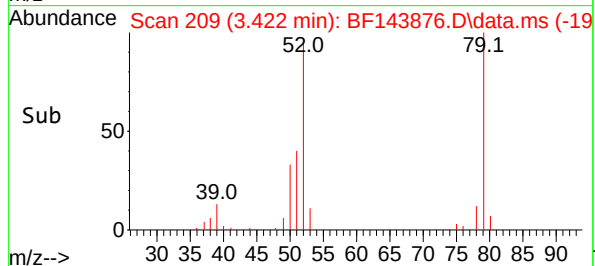
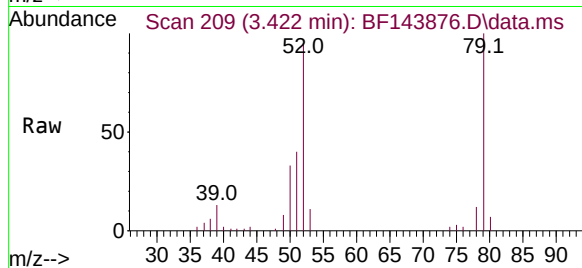
#3
Pyridine
Concen: 4.984 ng
RT: 3.422 min Scan# 207
Delta R.T. 0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

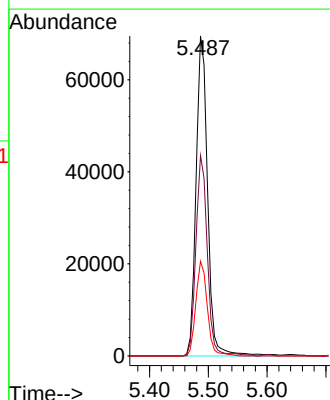
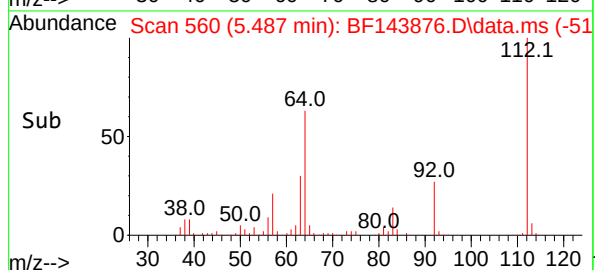
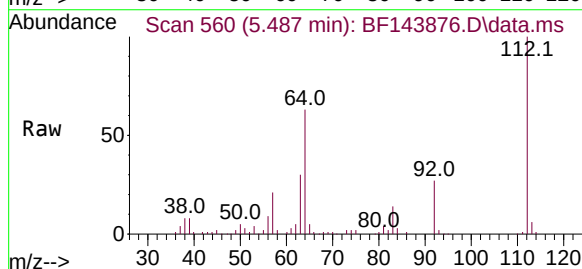
Manual Integrations
APPROVED

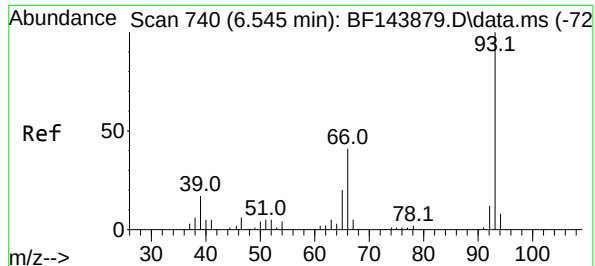
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

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





#6

Aniline

Concen: 5.335 ng

RT: 6.540 min Scan# 731

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 93 Resp: 82563

Ion Ratio Lower Upper

93 100

66 41.9 33.0 49.6

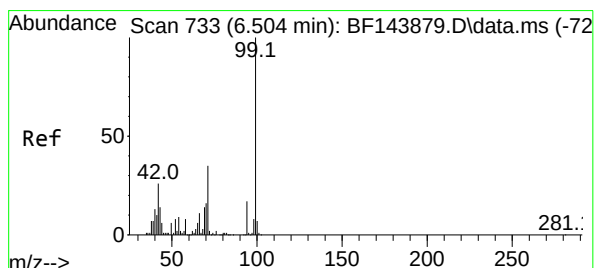
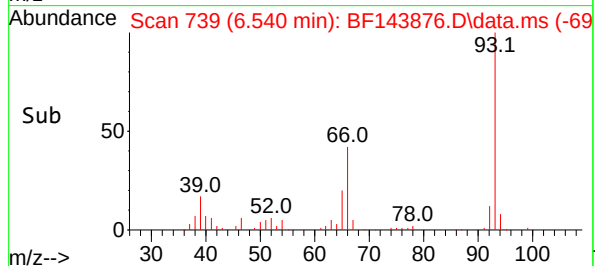
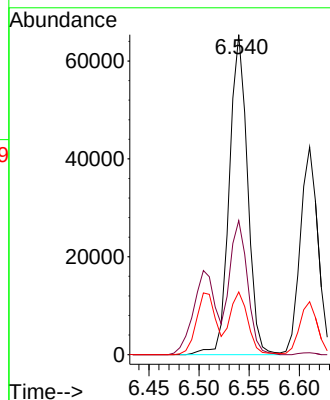
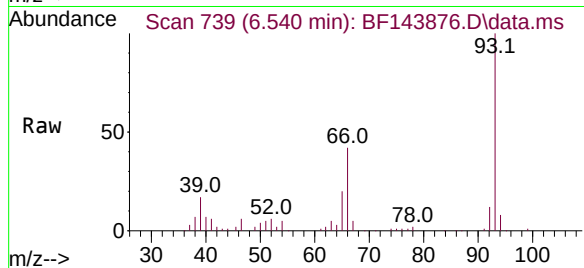
65 19.6 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#7

Phenol-d6

Concen: 10.832 ng

RT: 6.493 min Scan# 731

Delta R.T. -0.023 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

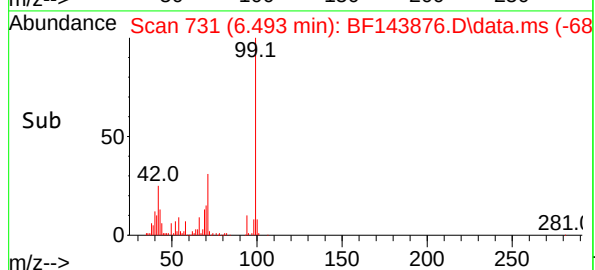
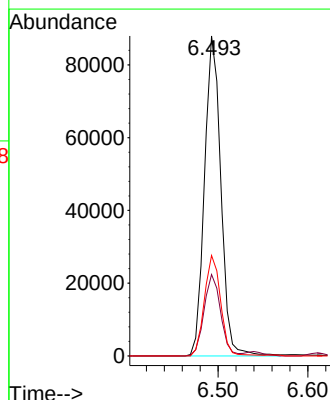
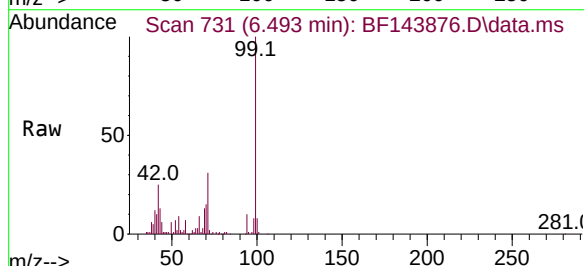
Tgt Ion: 99 Resp: 111877

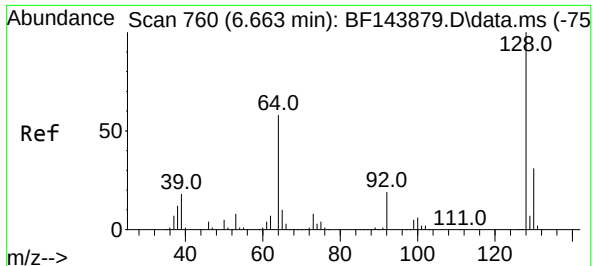
Ion Ratio Lower Upper

99 100

42 25.4 21.0 31.4

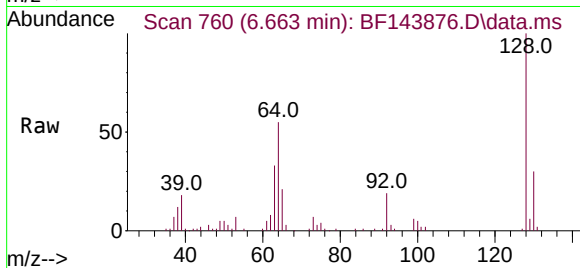
71 31.4 27.8 41.8





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

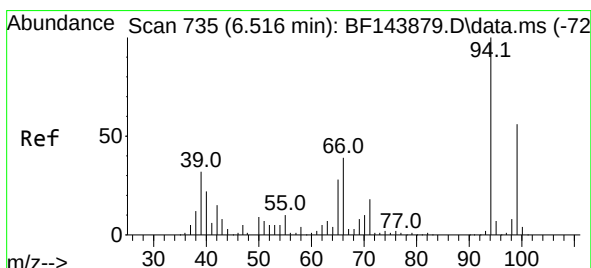
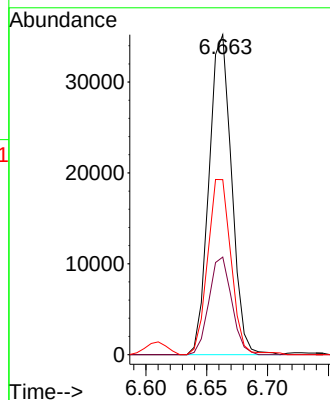
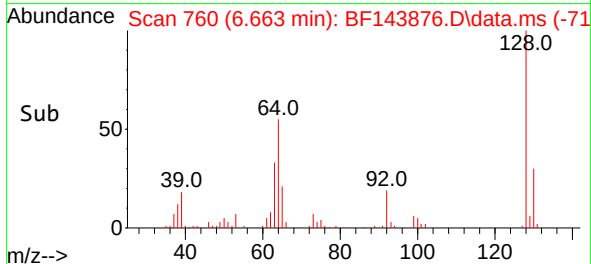
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

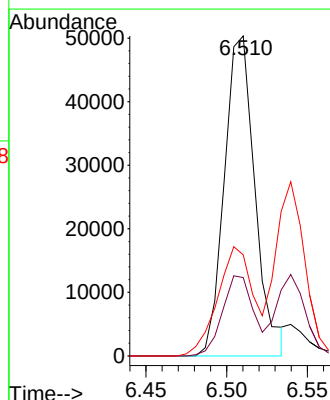
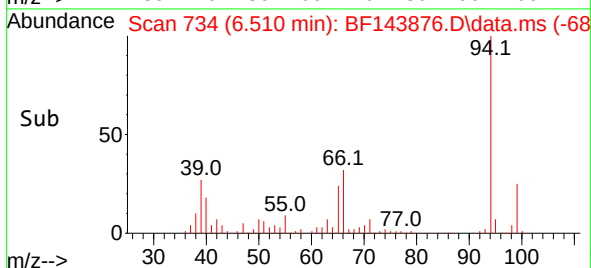
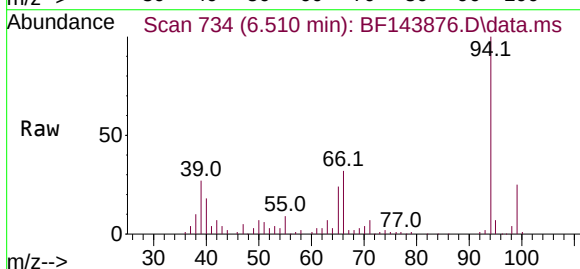
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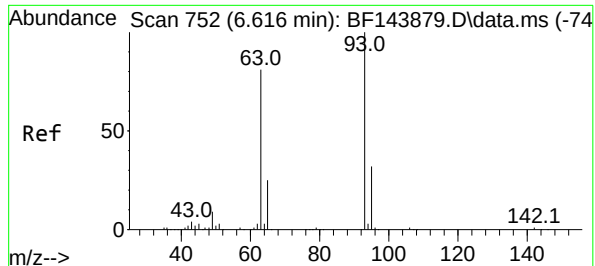
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion: 94 Resp: 66523
Ion Ratio Lower Upper
94 100
65 24.5 8.5 48.5
66 31.6 19.9 59.9





#11

bis(2-Chloroethyl)ether

Concen: 5.364 ng

RT: 6.610 min Scan# 751

Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

Tgt Ion: 93 Resp: 51163

Ion Ratio Lower Upper

93 100

63 82.9 60.9 100.9

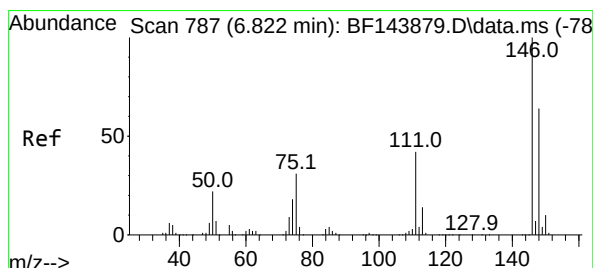
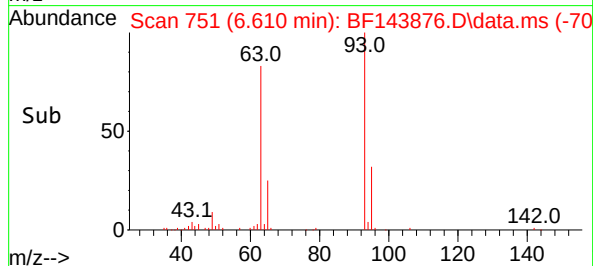
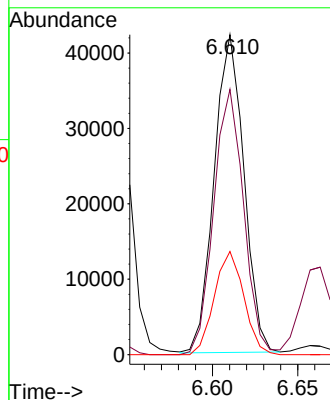
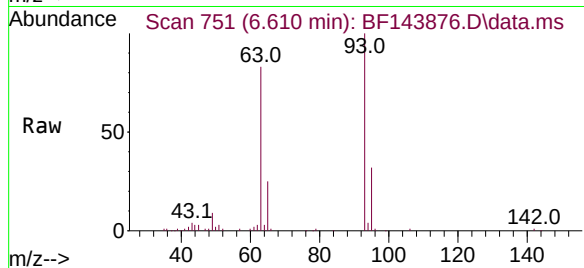
95 32.2 11.5 51.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#12

1,3-Dichlorobenzene

Concen: 5.911 ng

RT: 6.822 min Scan# 787

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

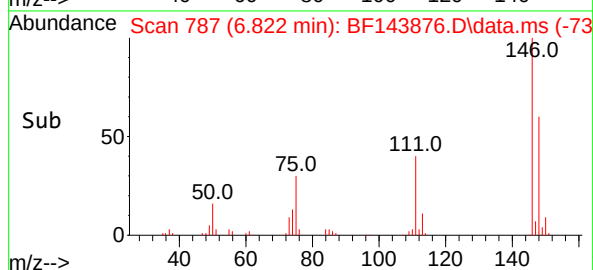
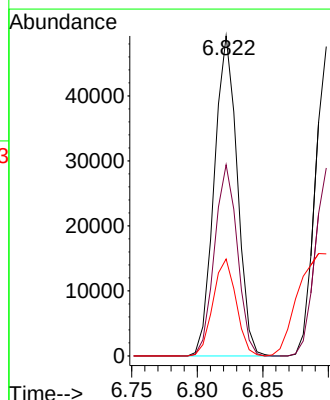
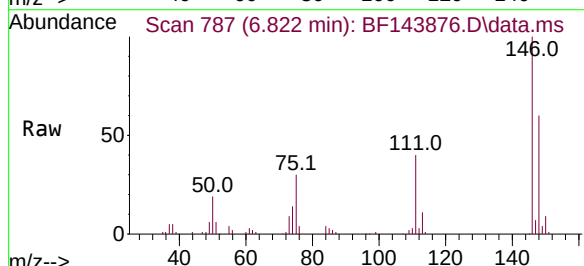
Tgt Ion:146 Resp: 59929

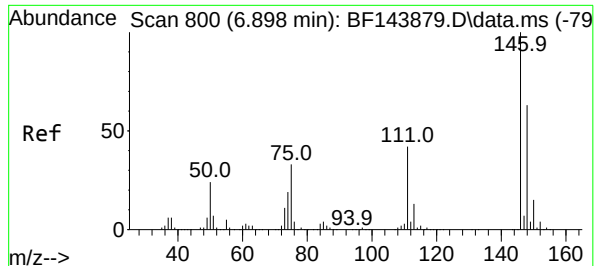
Ion Ratio Lower Upper

146 100

148 59.7 51.0 76.4

75 30.3 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 5.686 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:146 Resp: 56869

Ion Ratio Lower Upper

146 100

148 60.7 50.5 75.7

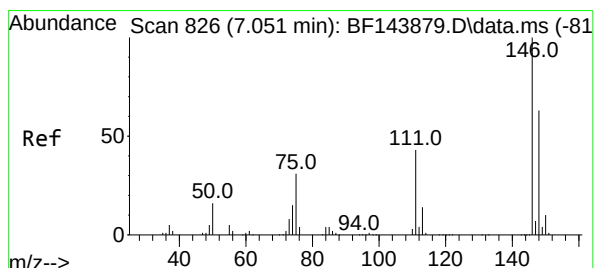
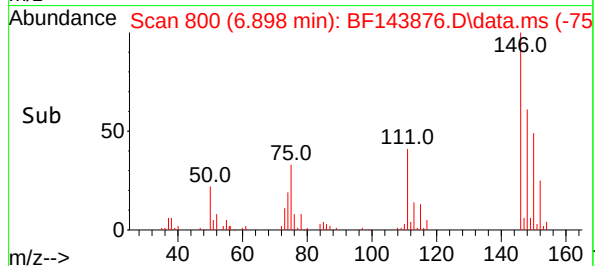
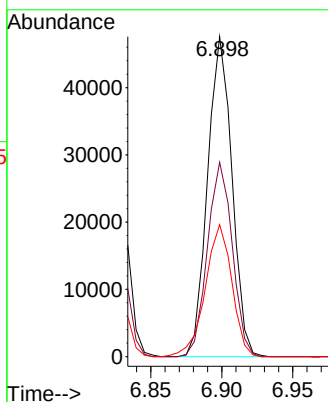
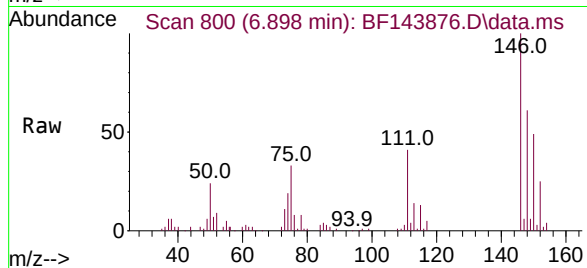
111 41.2 33.4 50.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#14

1,2-Dichlorobenzene

Concen: 5.676 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

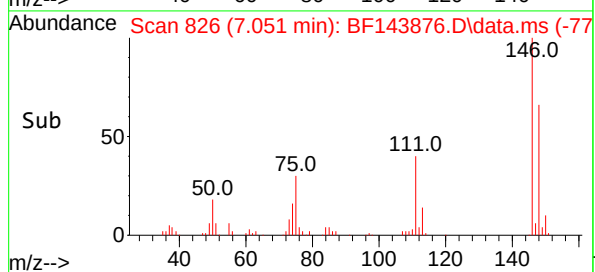
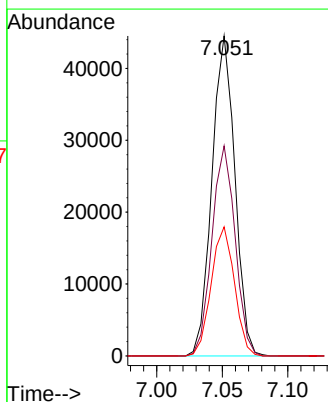
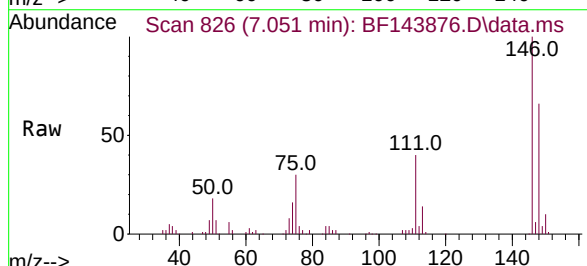
Tgt Ion:146 Resp: 54371

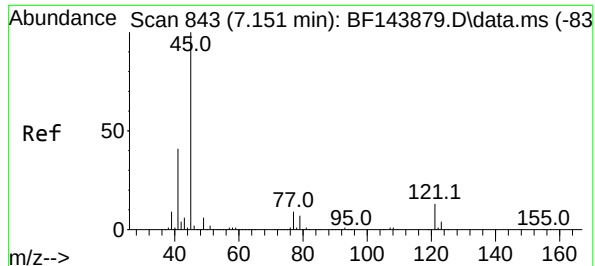
Ion Ratio Lower Upper

146 100

148 65.6 50.6 75.8

111 40.3 34.6 51.8





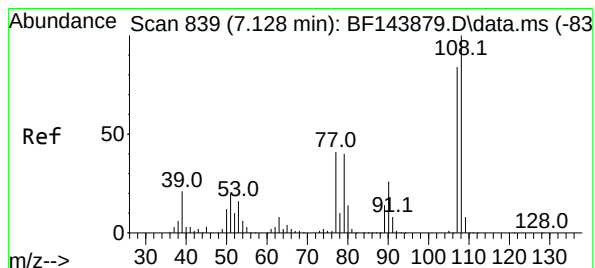
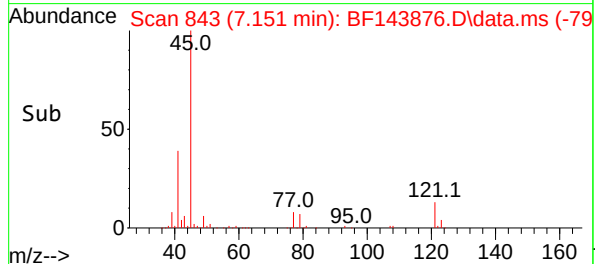
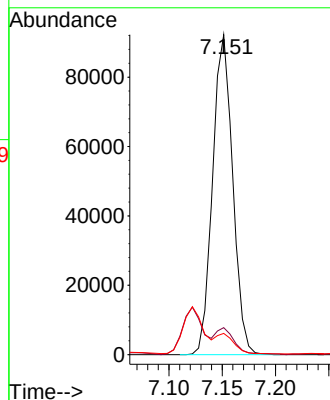
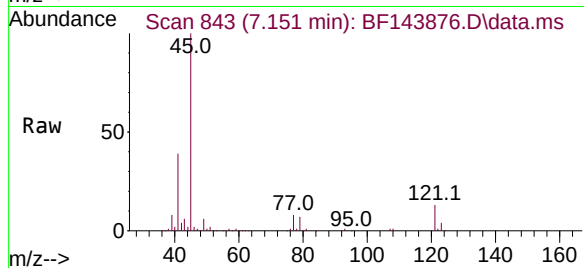
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.577 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

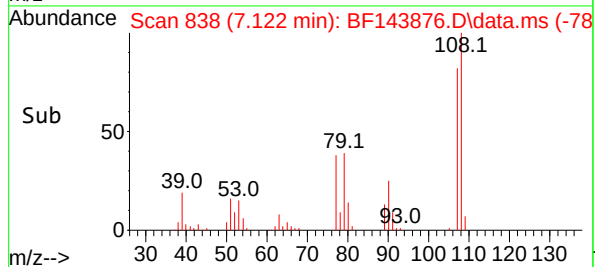
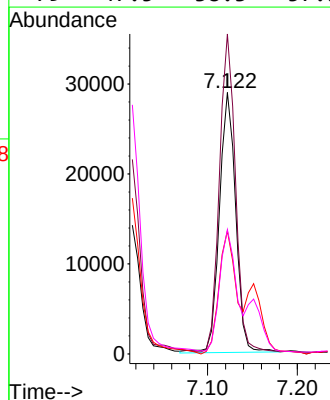
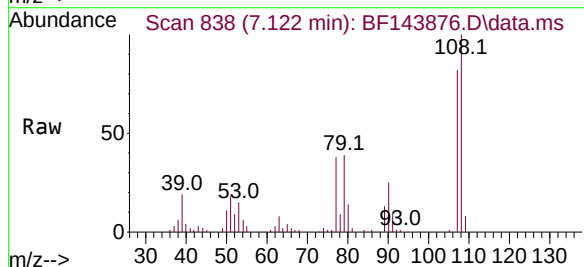
Manual Integrations
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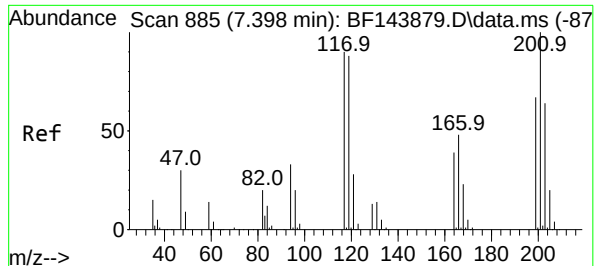
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

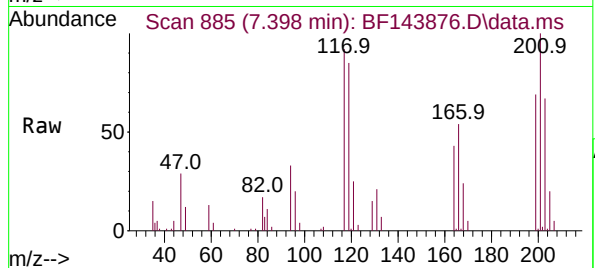
Tgt Ion:107 Resp: 36595
Ion Ratio Lower Upper
107 100
108 122.4 94.7 142.1
77 47.0 38.8 58.2
79 47.5 38.3 57.5





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

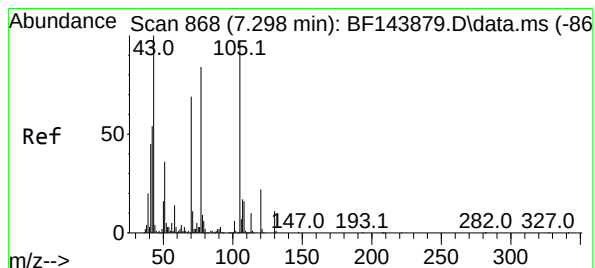
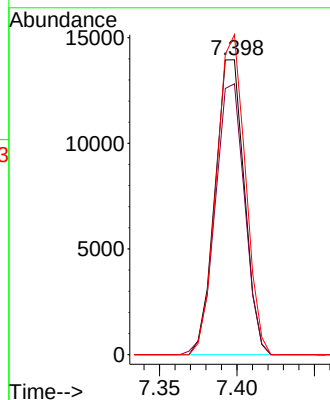
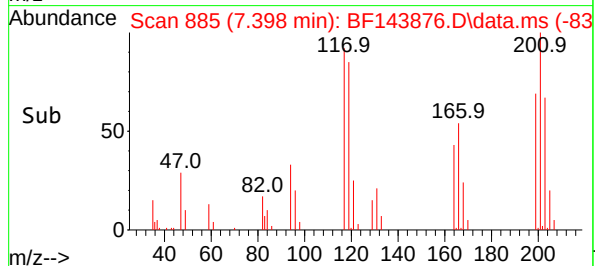
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

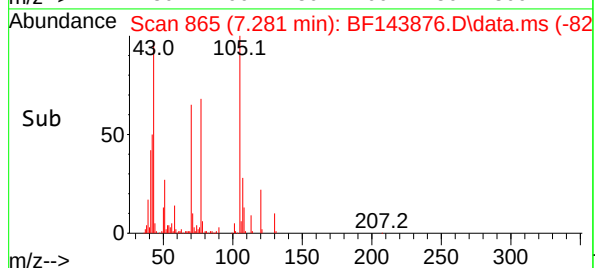
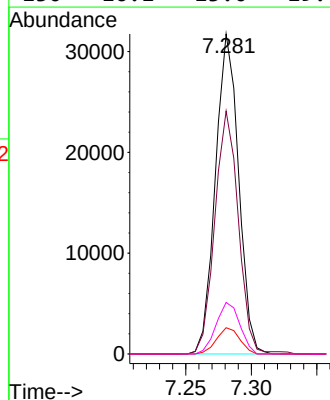
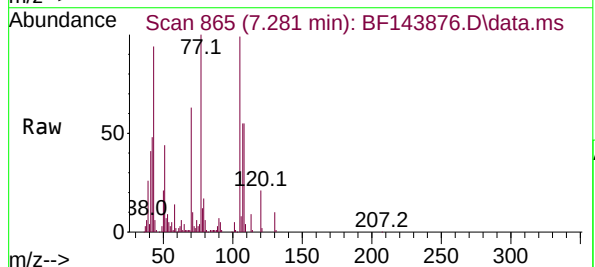
Manual Integrations
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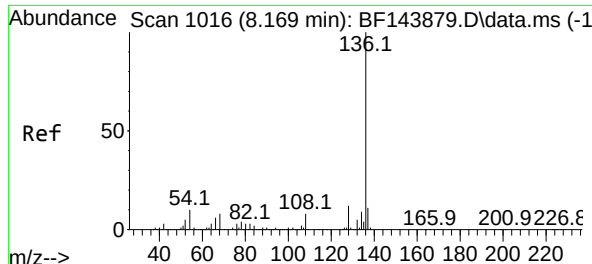
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion: 70 Resp: 39050
Ion Ratio Lower Upper
70 100
42 75.9 62.8 94.2
101 8.2 6.7 10.1
130 16.1 13.0 19.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

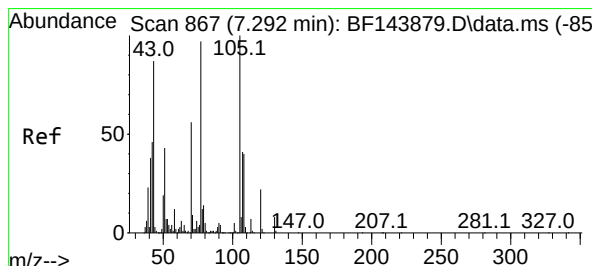
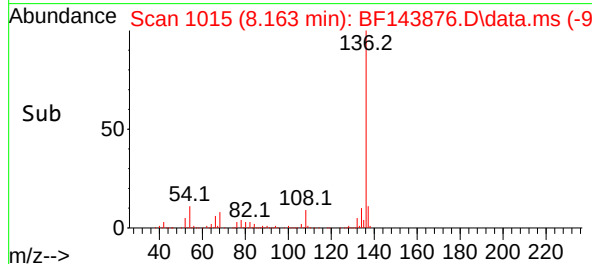
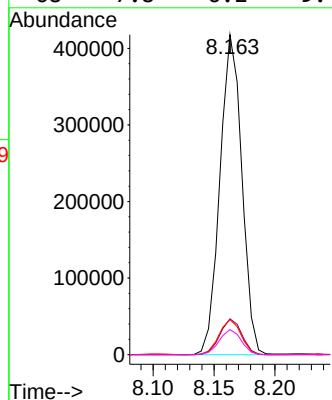
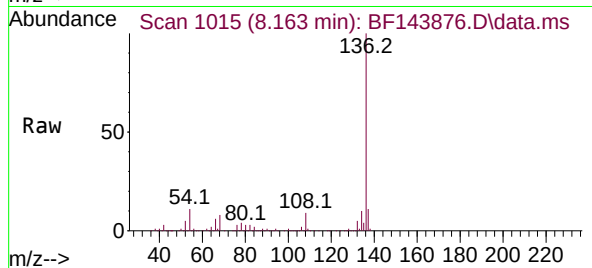
SSTDICC005

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

Manual Integrations
APPROVED

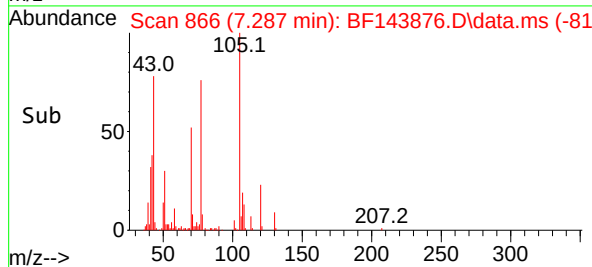
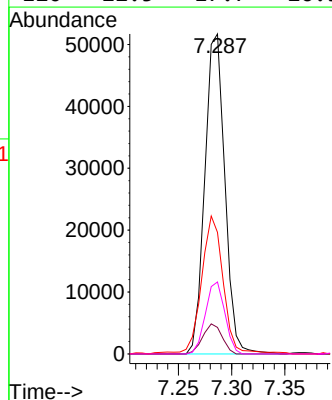
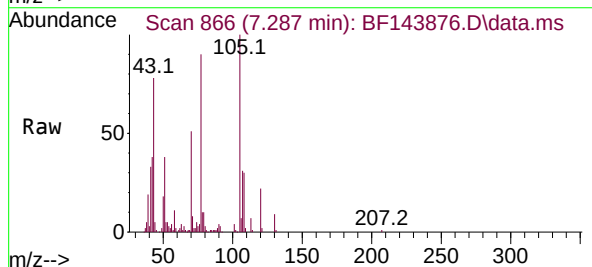
Reviewed By :Rahul Chavli 10/07/2025

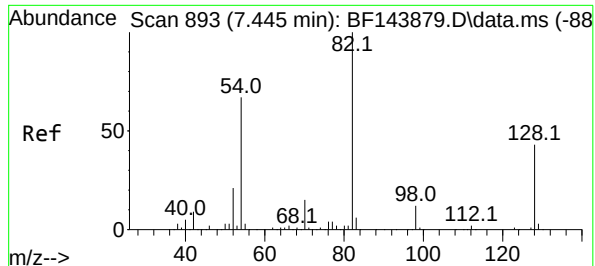
Supervised By :Jagrut Upadhyay 10/07/2025



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

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





#23

Nitrobenzene-d5

Concen: 9.862 ng

RT: 7.440 min Scan# 891

Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

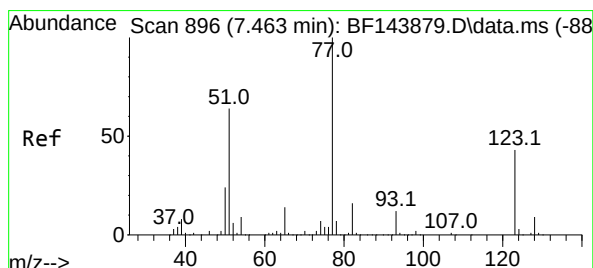
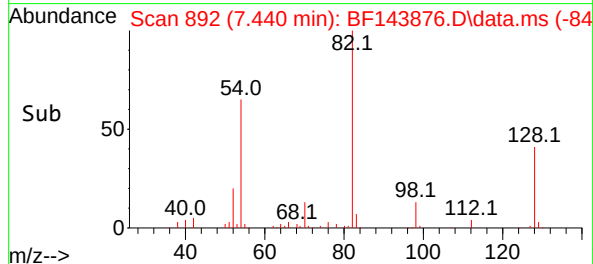
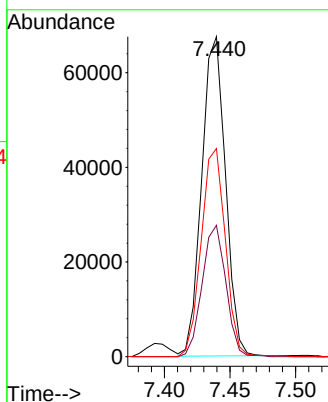
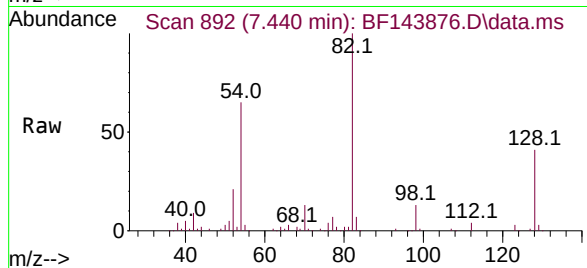
Tgt Ion:	82	Resp:	85080
Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.0	51.0
54	65.0	53.2	79.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#24

Nitrobenzene

Concen: 5.054 ng

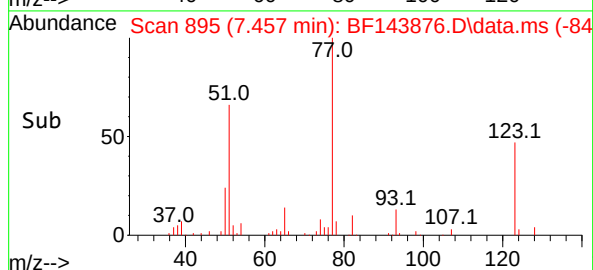
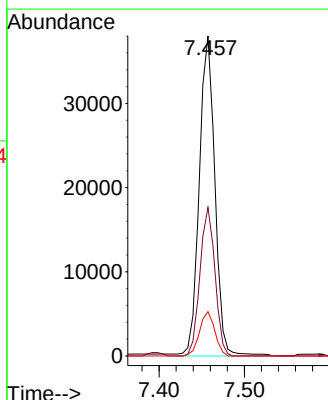
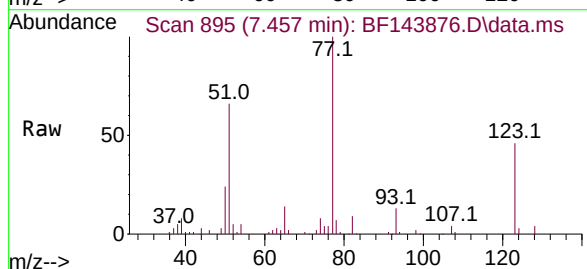
RT: 7.457 min Scan# 895

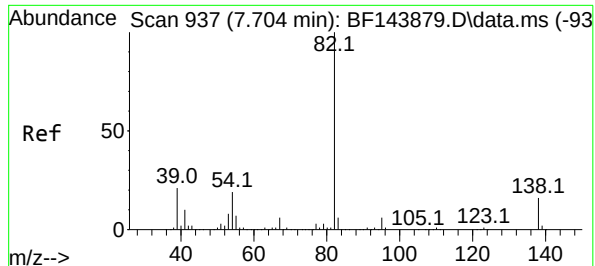
Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Tgt Ion:	77	Resp:	48413
Ion	Ratio	Lower	Upper
77	100		
123	46.4	34.2	51.4
65	13.8	11.0	16.6





#25

Isophorone

Concen: 5.429 ng

RT: 7.692 min Scan# 937

Delta R.T. -0.029 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

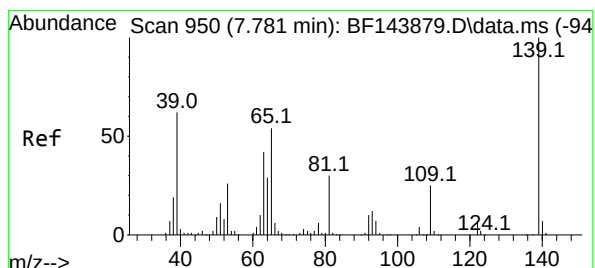
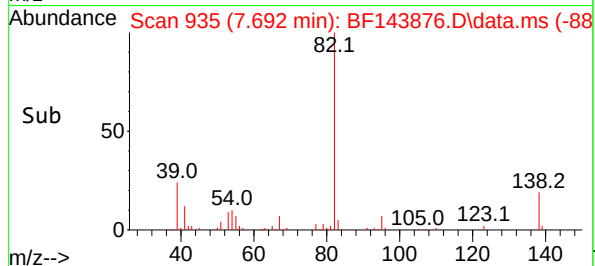
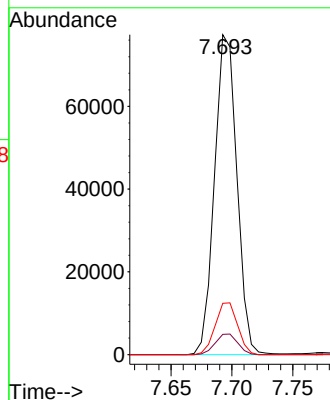
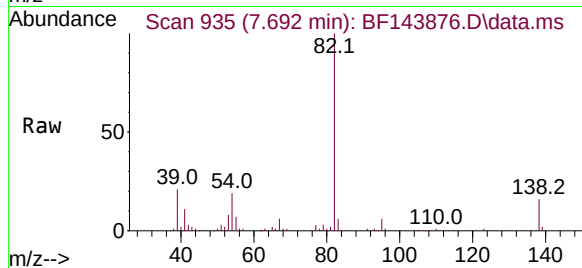
Client Sample Id :

SSTDICC005

Tgt Ion:	82	Resp:	9876
Ion Ratio	Lower	Upper	
82	100		
95	6.3	5.1	7.7
138	16.0	12.9	19.3

Manual Integrations
APPROVED

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



#26

2-Nitrophenol

Concen: 3.864 ng

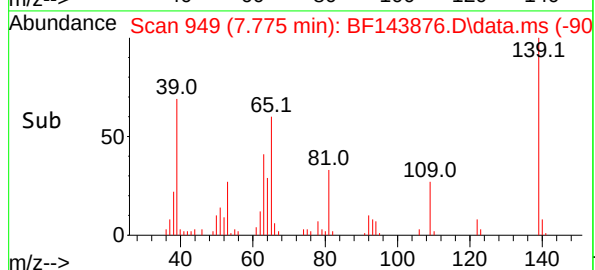
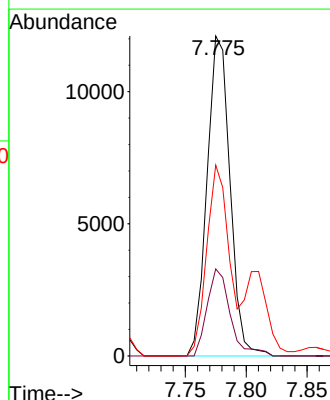
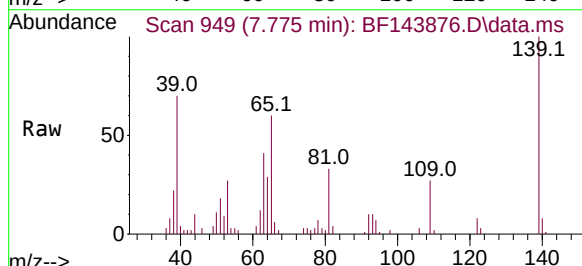
RT: 7.775 min Scan# 949

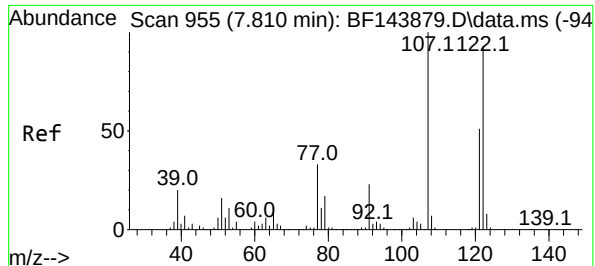
Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Tgt Ion:	139	Resp:	15870
Ion Ratio	Lower	Upper	
139	100		
109	27.2	19.8	29.6
65	59.6	42.9	64.3





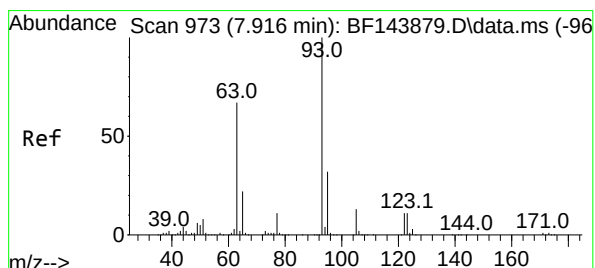
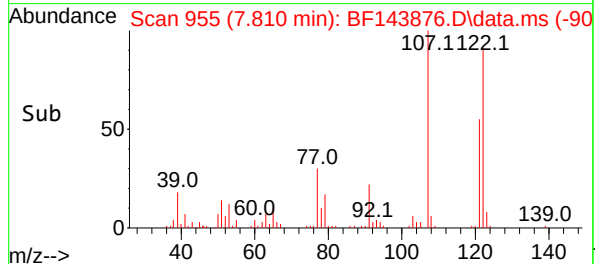
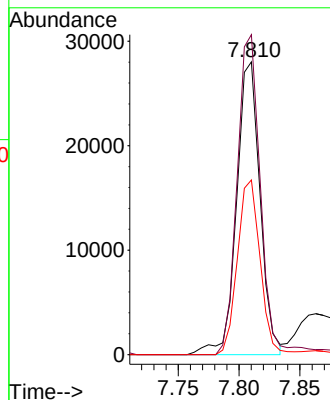
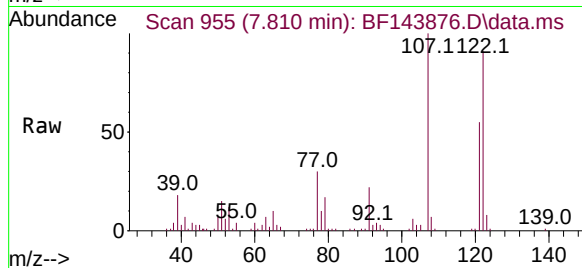
#27
2,4-Dimethylphenol
Concen: 5.095 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

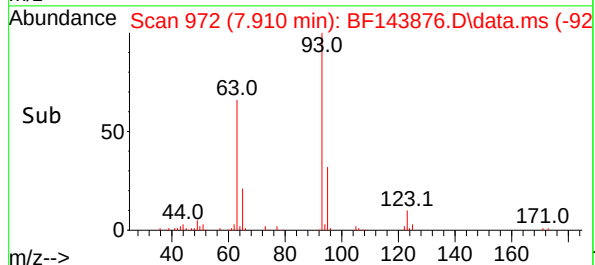
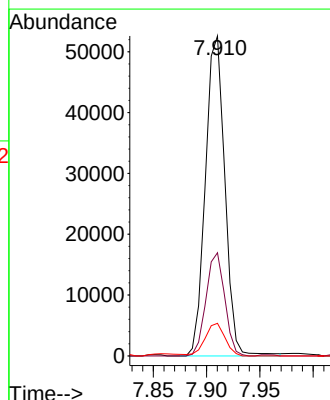
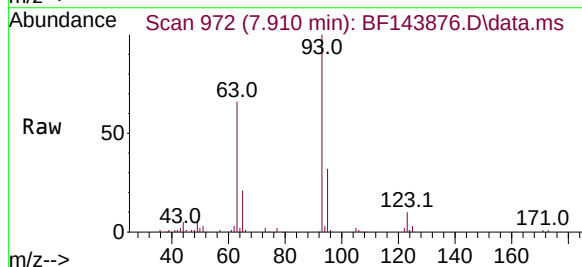
Manual Integrations
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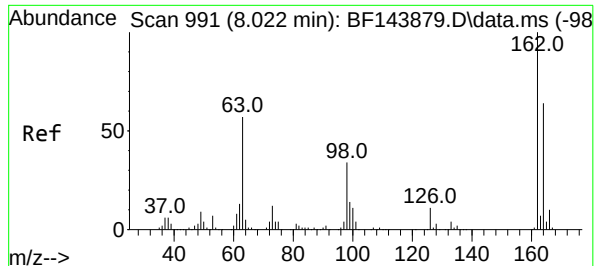
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion: 93 Resp: 66779
Ion Ratio Lower Upper
93 100
95 32.2 25.9 38.9
123 10.2 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 5.390 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

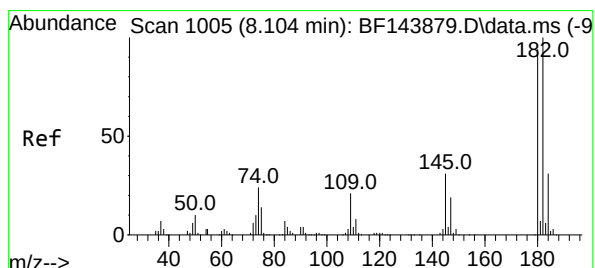
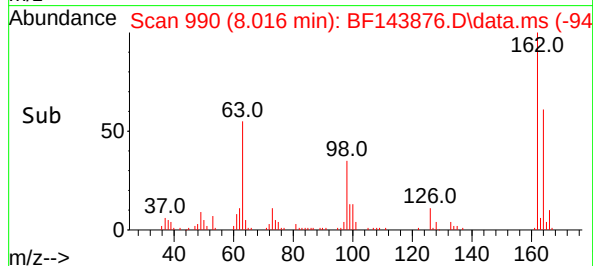
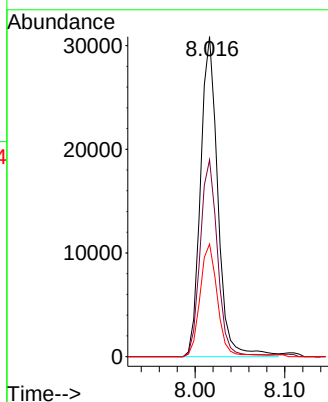
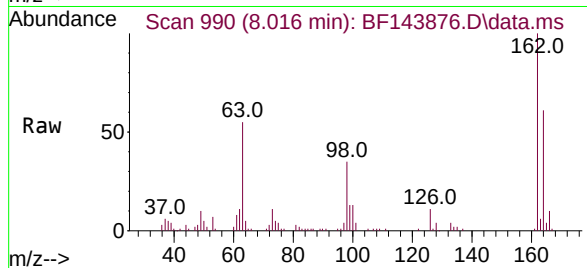
Tgt Ion:162	Resp:	41484
Ion Ratio	Lower	Upper
162	100	
164	61.5	43.9 83.9
98	35.2	14.4 54.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#30

1,2,4-Trichlorobenzene

Concen: 5.722 ng

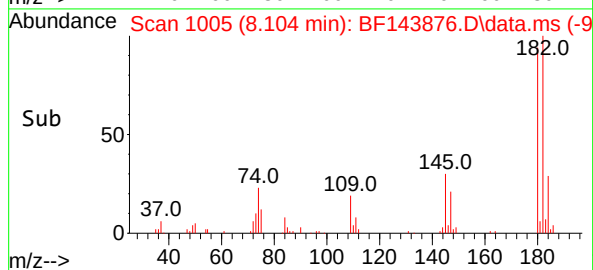
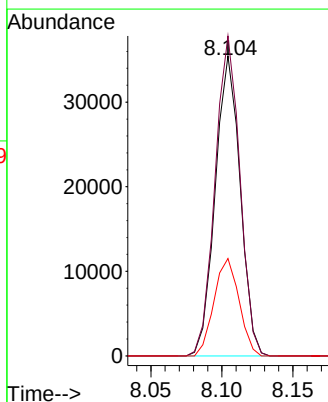
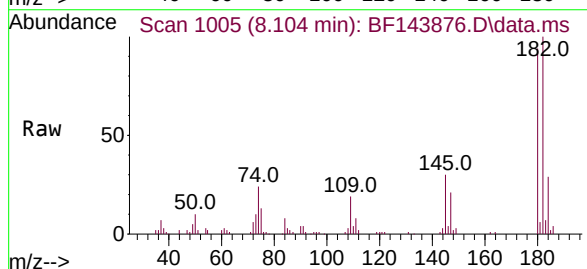
RT: 8.104 min Scan# 1005

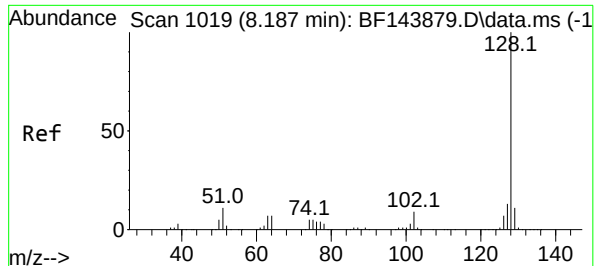
Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Tgt Ion:180	Resp:	43309
Ion Ratio	Lower	Upper
180	100	
182	106.7	85.4 128.0
145	32.5	26.3 39.5





#31

Naphthalene

Concen: 6.063 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:128 Resp: 144561

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

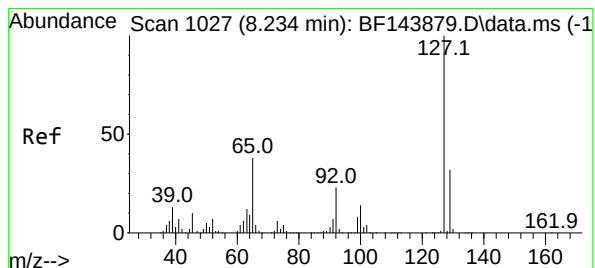
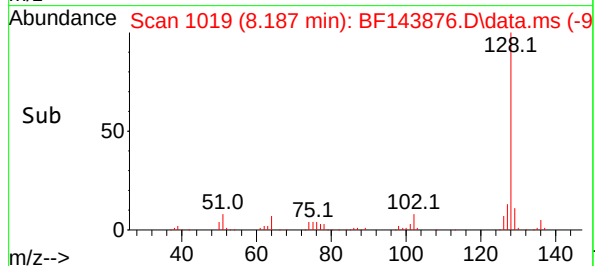
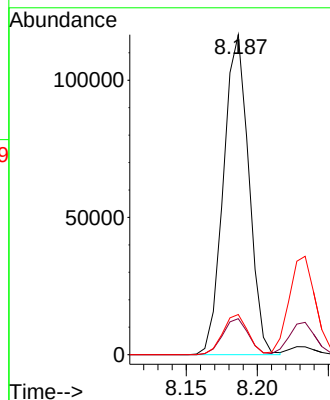
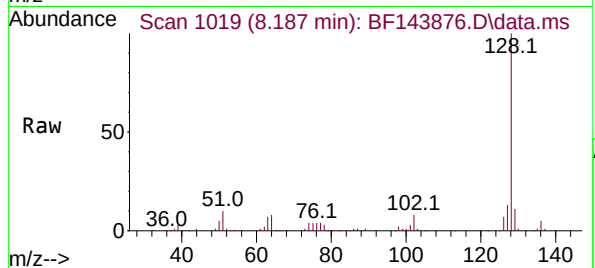
127 12.5 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#33

4-Chloroaniline

Concen: 5.388 ng

RT: 8.234 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Tgt Ion:127 Resp: 48181

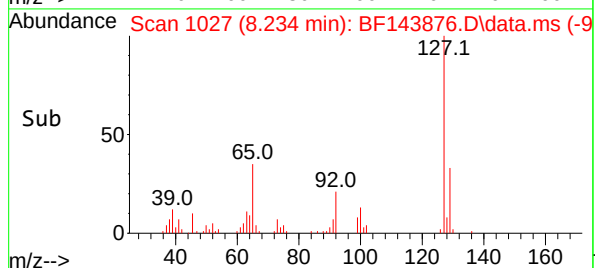
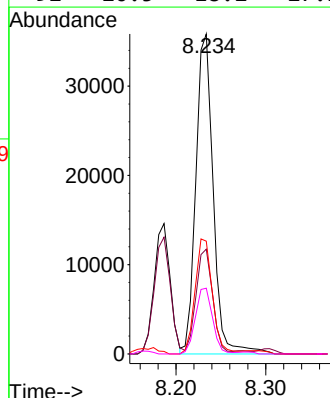
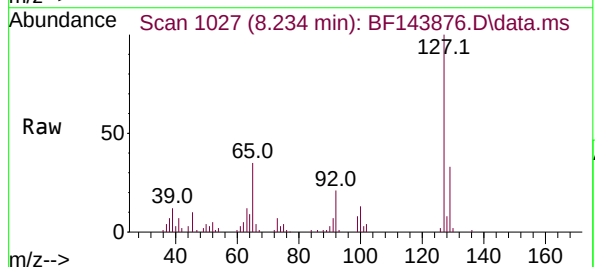
Ion Ratio Lower Upper

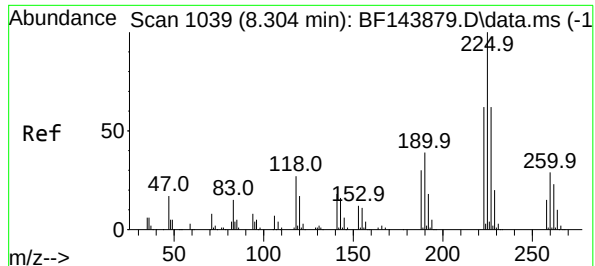
127 100

129 32.7 25.8 38.8

65 35.2 30.0 45.0

92 20.5 18.2 27.2





#34

Hexachlorobutadiene

Concen: 5.751 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:225 Resp: 30240

Ion Ratio Lower Upper

225 100

223 61.0 49.4 74.2

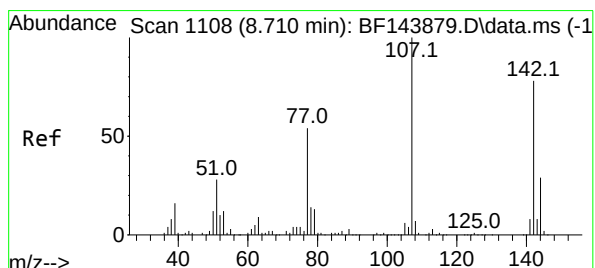
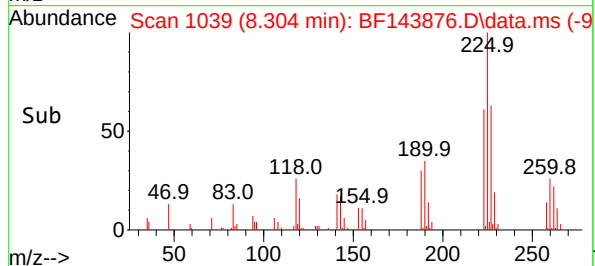
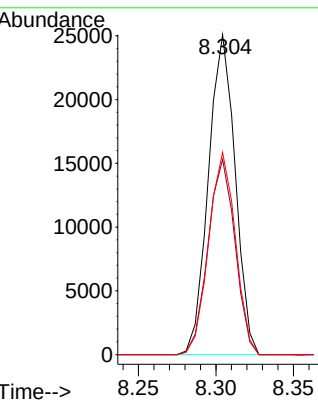
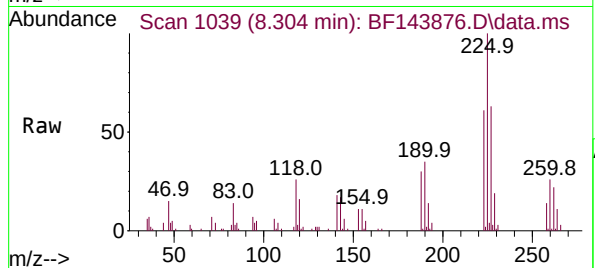
227 63.2 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#36

4-Chloro-3-methylphenol

Concen: 5.343 ng

RT: 8.704 min Scan# 1107

Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

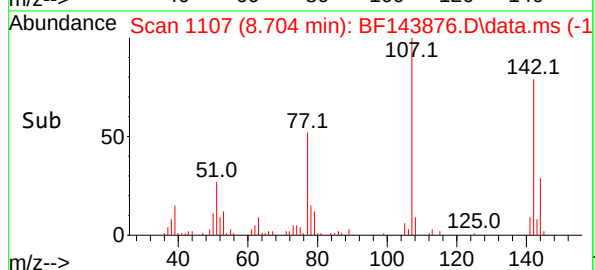
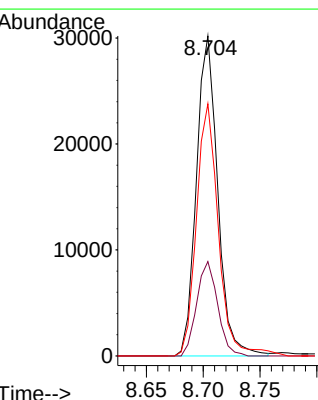
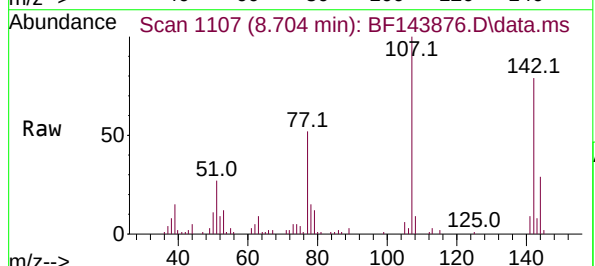
Tgt Ion:107 Resp: 39500

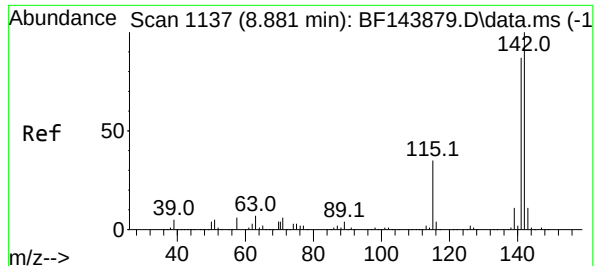
Ion Ratio Lower Upper

107 100

144 29.5 23.1 34.7

142 78.8 62.6 94.0





#37

2-Methylnaphthalene

Concen: 6.122 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:142 Resp: 9722

Ion Ratio Lower Upper

142 100

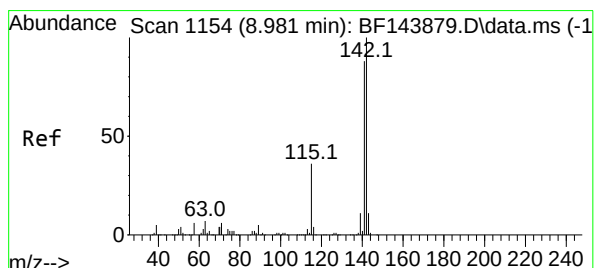
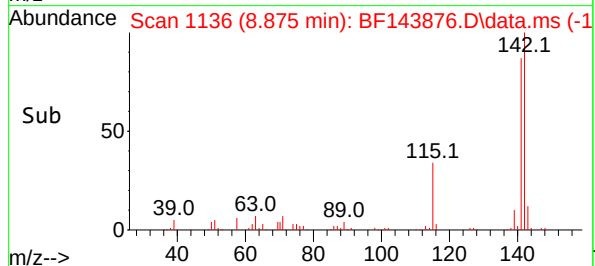
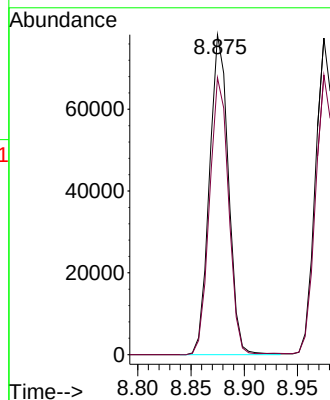
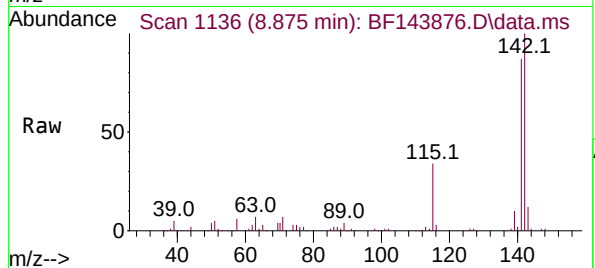
141 86.5 69.2 103.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#38

1-Methylnaphthalene

Concen: 6.114 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.011 min

Lab File: BF143876.D

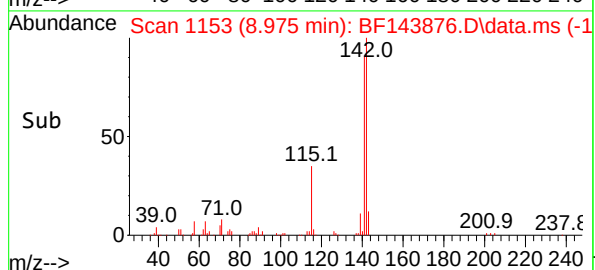
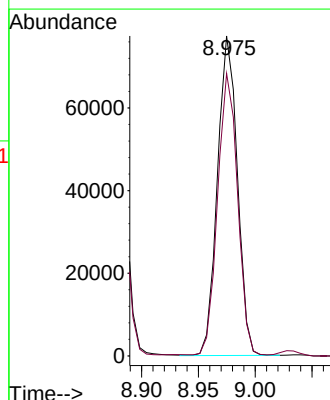
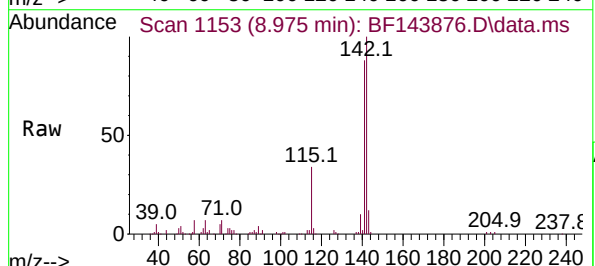
Acq: 06 Oct 2025 10:28

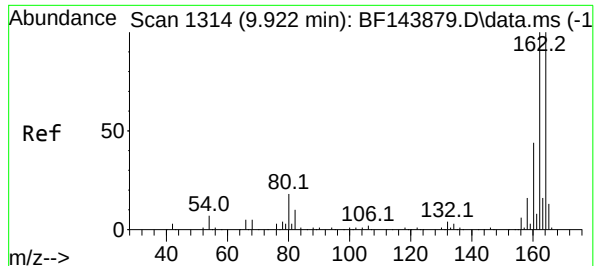
Tgt Ion:142 Resp: 94190

Ion Ratio Lower Upper

142 100

141 88.3 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143876.D

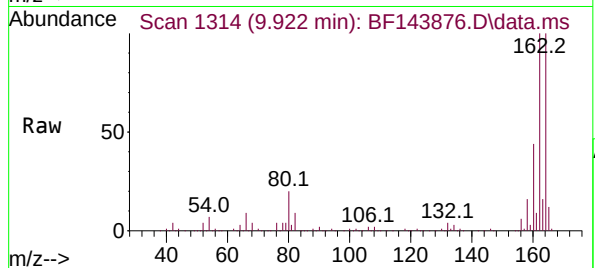
Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:164 Resp: 303230

Ion Ratio Lower Upper

164 100

162 100.3 80.2 120.2

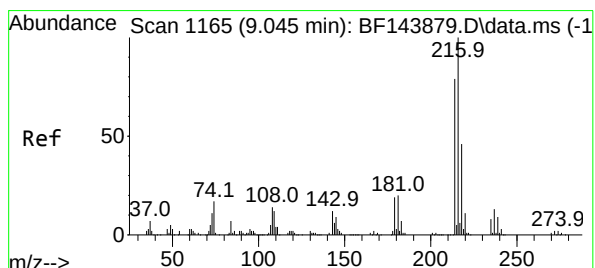
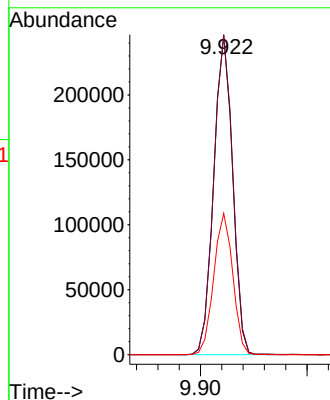
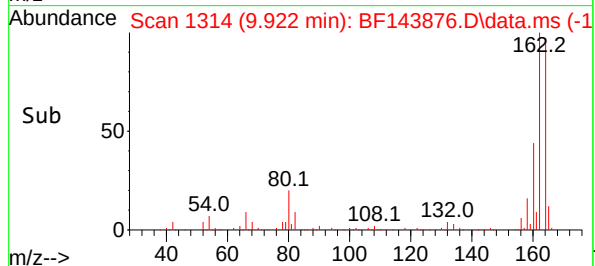
160 44.3 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

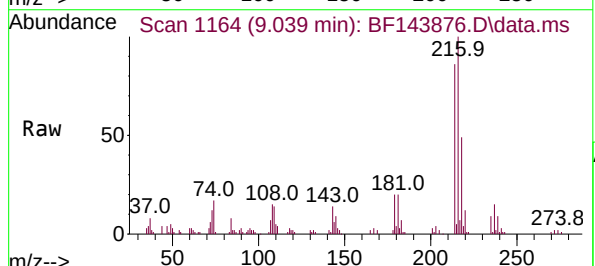
Concen: 5.519 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28



Tgt Ion:216 Resp: 46252

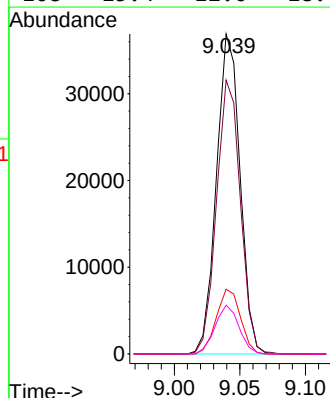
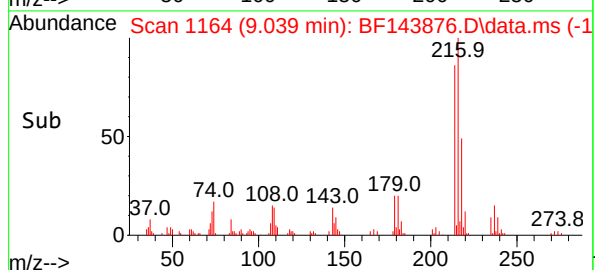
Ion Ratio Lower Upper

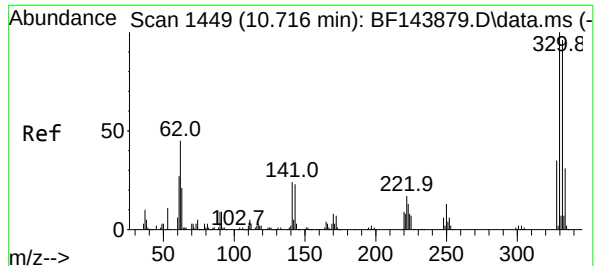
216 100

214 86.6 62.6 94.0

179 20.7 15.4 23.0

108 15.4 12.0 18.0





#42
2,4,6-Tribromophenol
Concen: 9.721 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

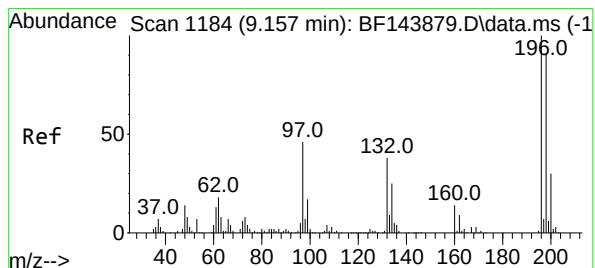
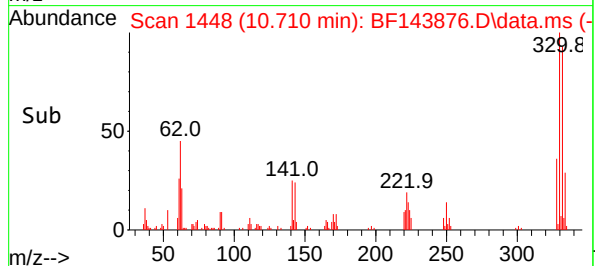
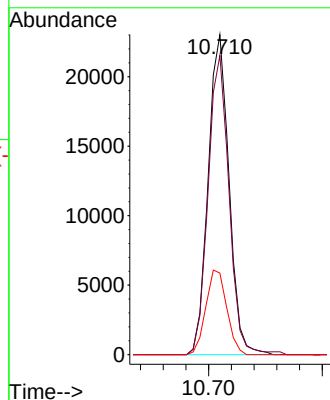
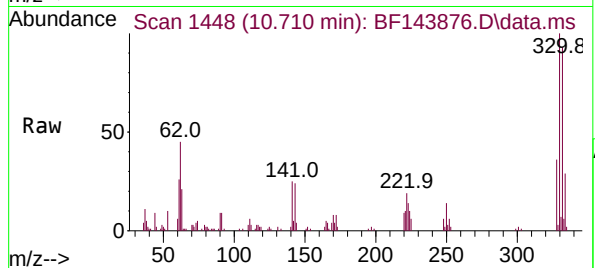
Tgt Ion: 330 Resp: 29360
Ion Ratio Lower Upper
330 100
332 93.9 76.9 115.3
141 26.6 20.2 30.4

Manual Integrations

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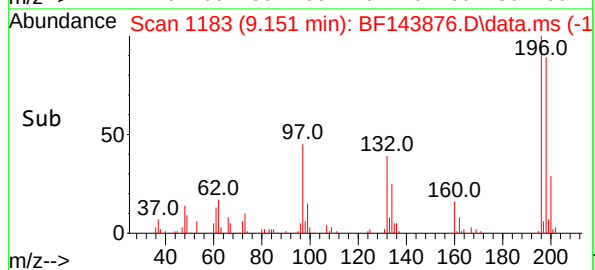
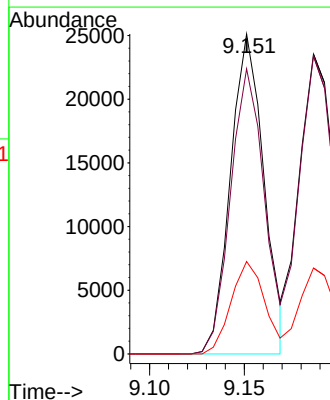
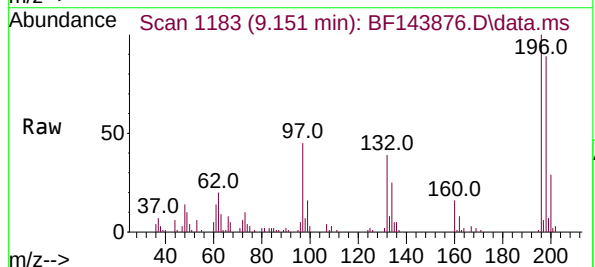
Reviewed By :Rahul Chavli 10/07/2025

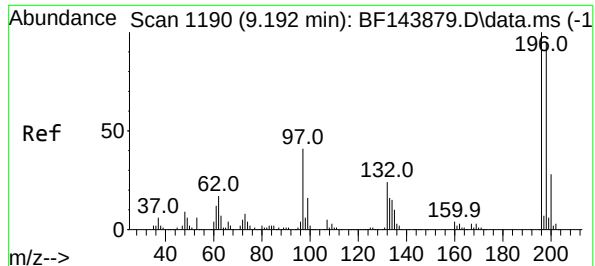
Supervised By :Jagrut Upadhyay 10/07/2025



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

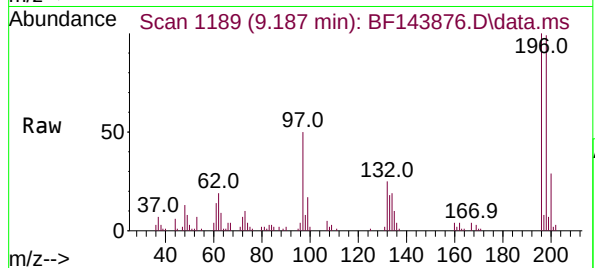
Tgt Ion: 196 Resp: 30908
Ion Ratio Lower Upper
196 100
198 89.1 72.8 109.2
200 28.9 24.0 36.0





#44
2,4,5-Trichlorophenol
Concen: 5.194 ng
RT: 9.187 min Scan# 1189
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

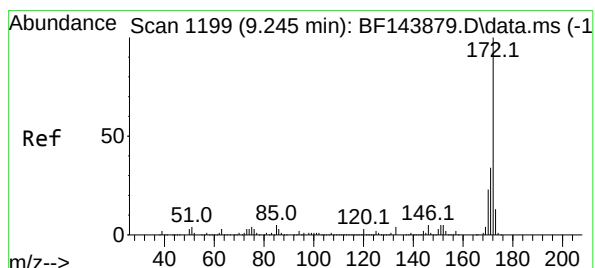
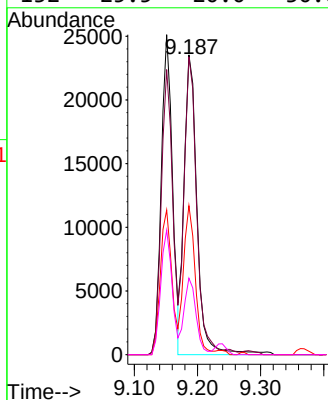
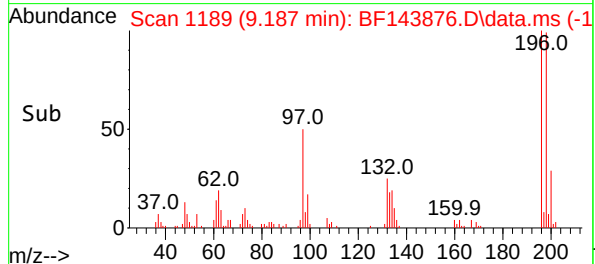
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:196 Resp: 33613
Ion Ratio Lower Upper
196 100
198 99.4 75.5 113.3
97 49.7 33.9 50.9
132 25.5 20.0 30.0

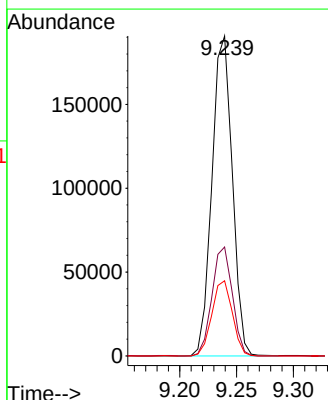
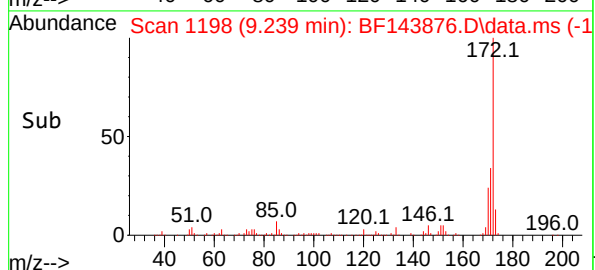
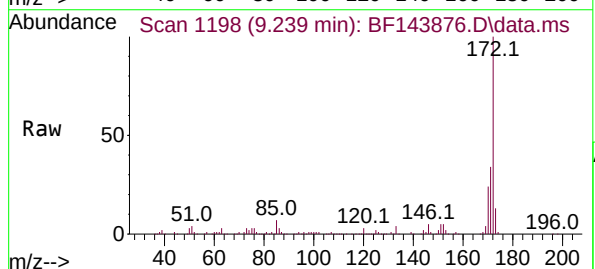
Manual Integrations
APPROVED

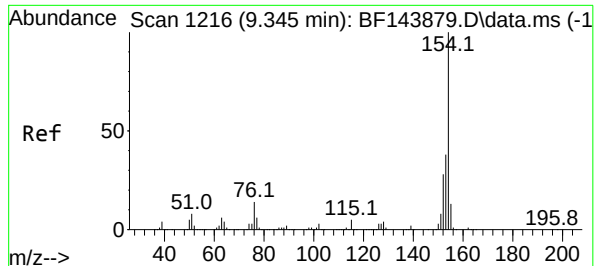
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:172 Resp: 237689
Ion Ratio Lower Upper
172 100
171 34.0 27.4 41.0
170 23.5 18.6 28.0





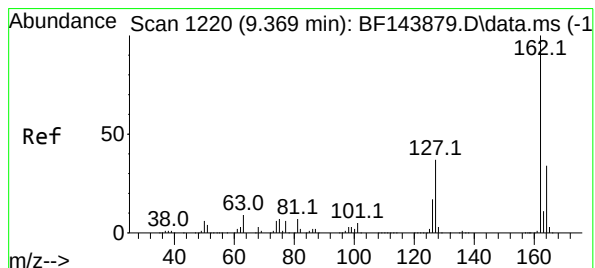
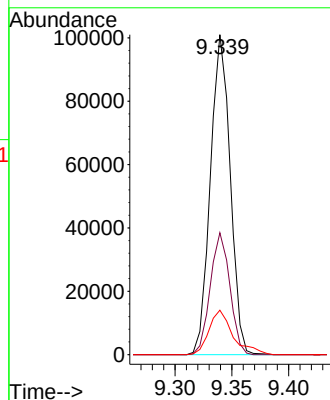
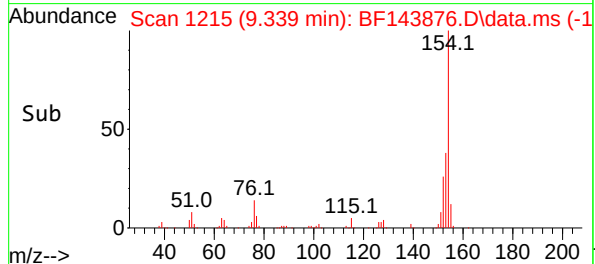
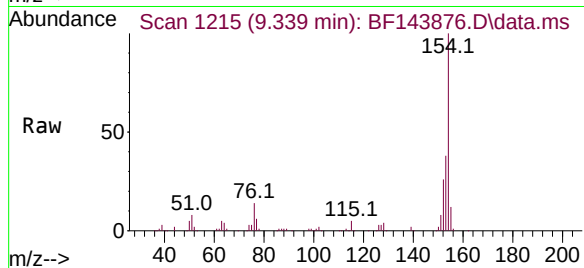
#46
1,1'-Biphenyl
Concen: 6.105 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 122568
Ion Ratio Lower Upper
154 100
153 38.1 18.4 58.4
76 13.9 0.0 34.0

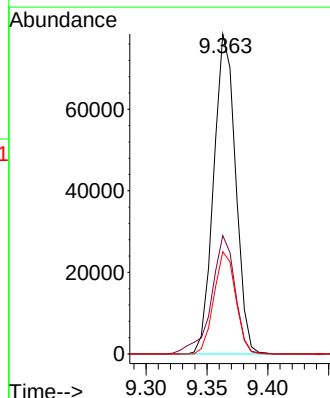
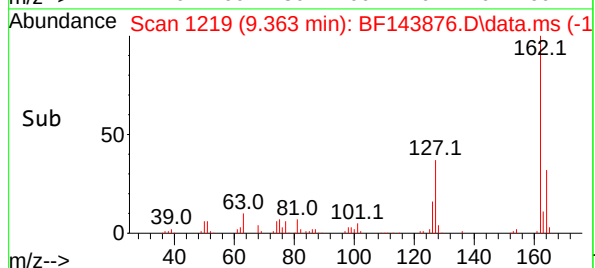
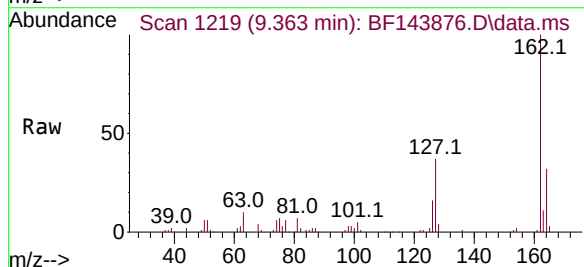
Manual Integrations
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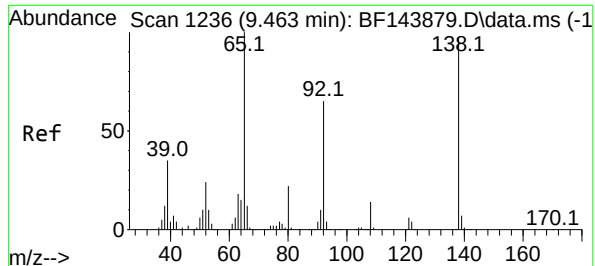
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

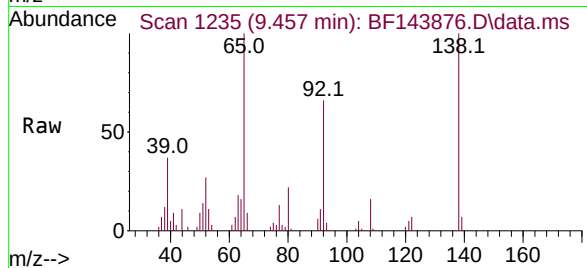
Tgt Ion:162 Resp: 98102
Ion Ratio Lower Upper
162 100
127 37.0 30.2 45.2
164 32.0 26.9 40.3





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

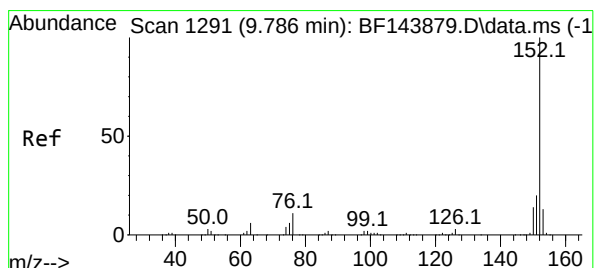
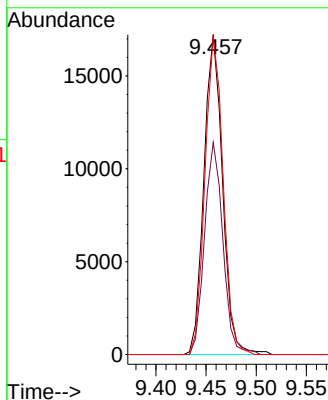
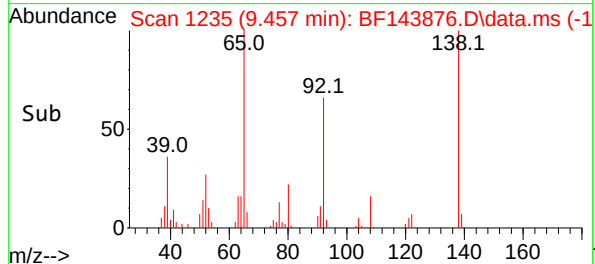
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



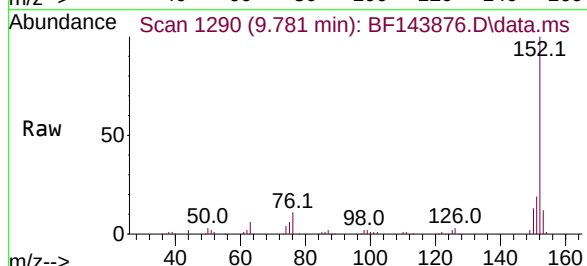
Tgt Ion: 65 Resp: 22188
Ion Ratio Lower Upper
65 100
92 66.3 52.1 78.1
138 99.6 77.4 116.2

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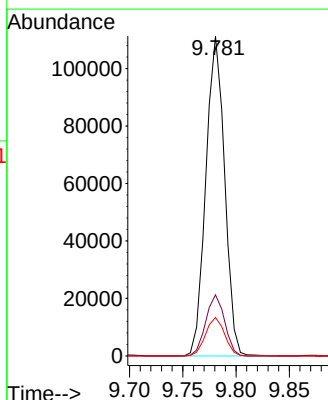
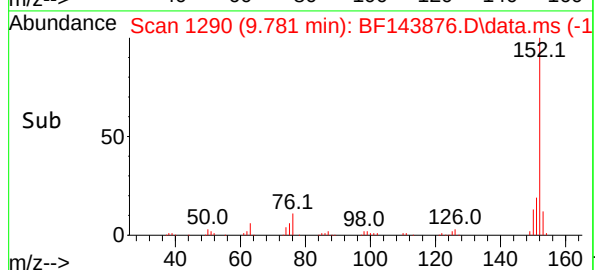
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

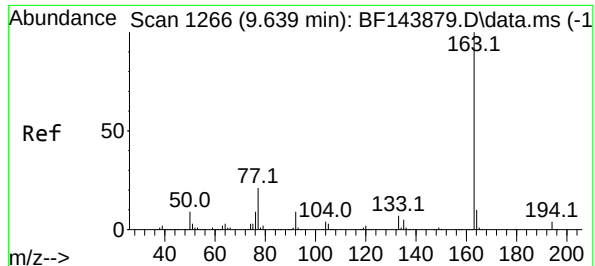


#49
Acenaphthylene
Concen: 5.788 ng
RT: 9.781 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



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





#50

Dimethylphthalate

Concen: 5.677 ng

RT: 9.634 min Scan# 1266

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:163 Resp: 10932

Ion Ratio Lower Upper

163 100

194 4.6 3.3 4.9

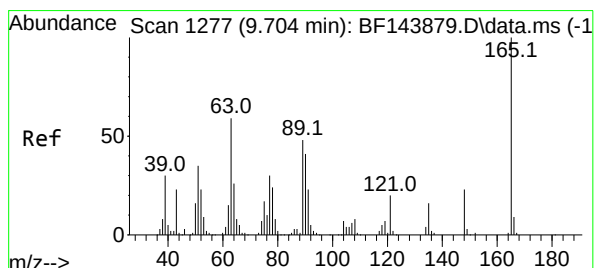
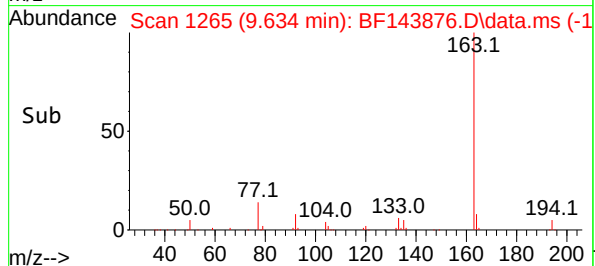
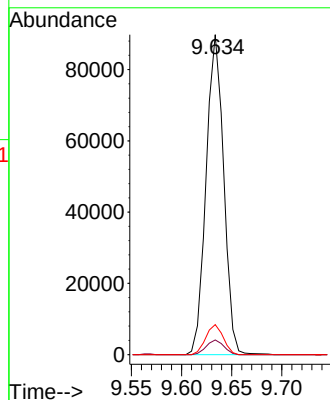
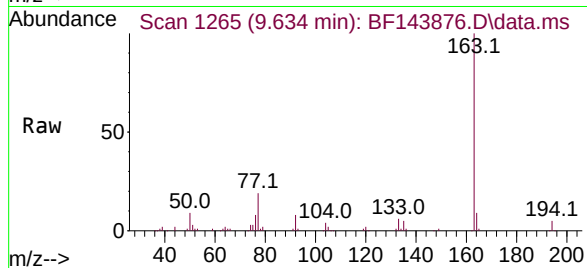
164 9.4 8.1 12.1

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#51

2,6-Dinitrotoluene

Concen: 4.265 ng

RT: 9.698 min Scan# 1276

Delta R.T. -0.018 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

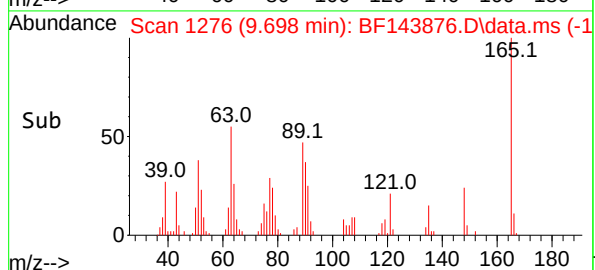
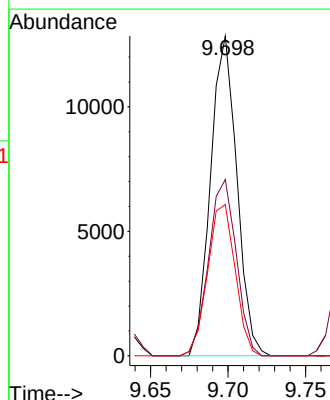
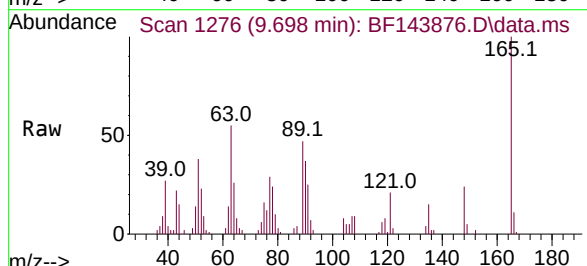
Tgt Ion:165 Resp: 15228

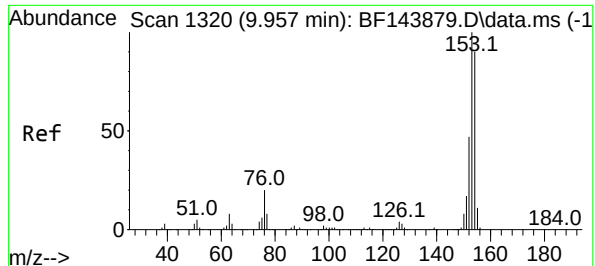
Ion Ratio Lower Upper

165 100

63 55.1 47.3 70.9

89 47.3 38.2 57.4





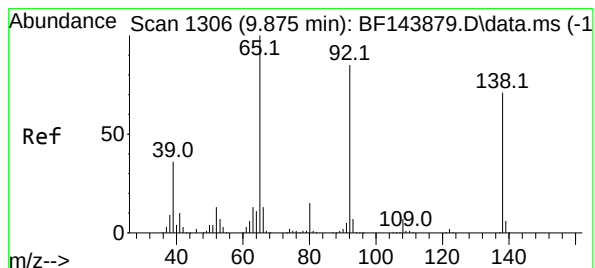
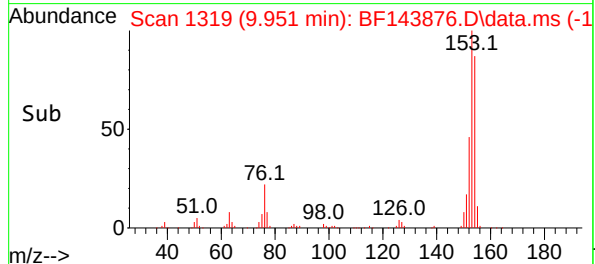
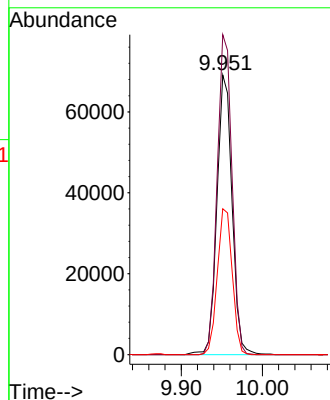
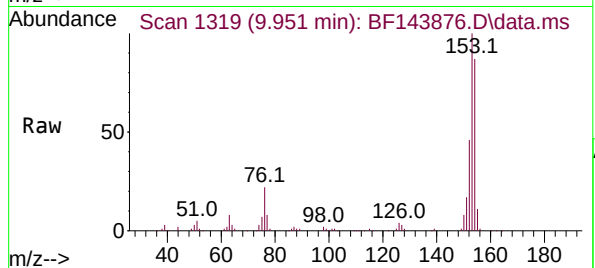
#52
Acenaphthene
Concen: 5.787 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

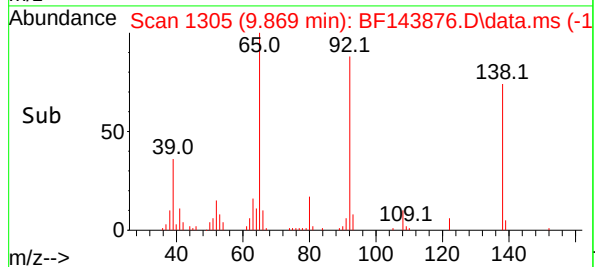
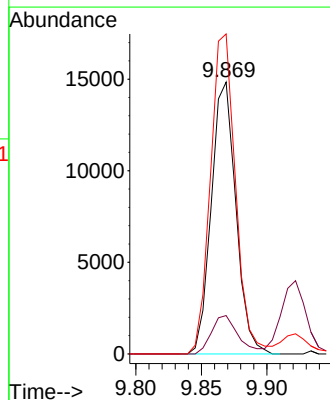
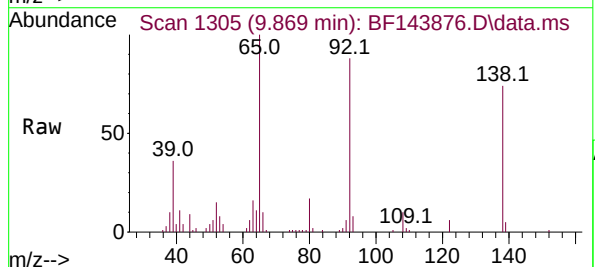
Manual Integrations
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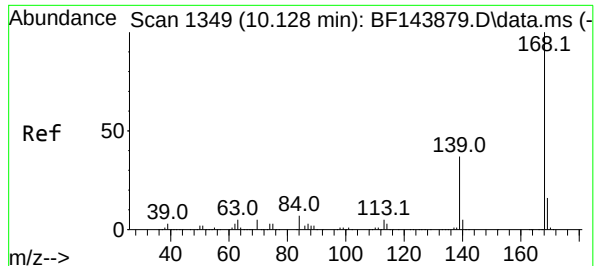
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:138 Resp: 19400
Ion Ratio Lower Upper
138 100
108 14.1 8.3 12.5#
92 117.8 96.2 144.2





#55

Dibenzenofuran

Concen: 5.852 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:168 Resp: 127374

Ion Ratio Lower Upper

168 100

139 37.3 29.8 44.8

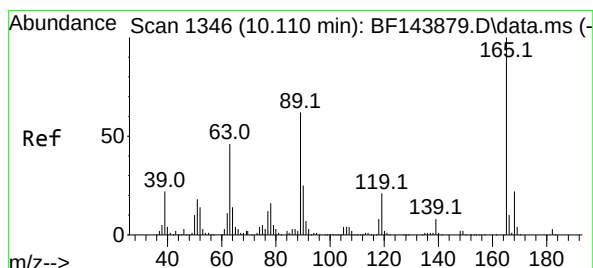
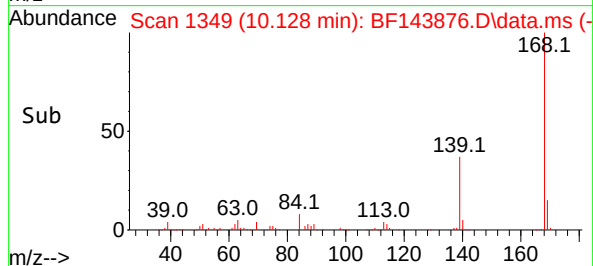
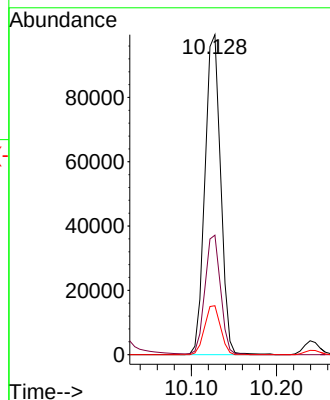
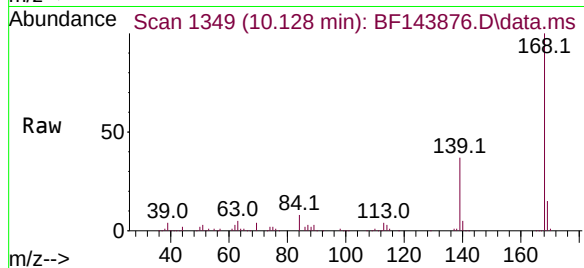
169 15.3 12.8 19.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#57

2,4-Dinitrotoluene

Concen: 3.932 ng

RT: 10.098 min Scan# 1344

Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Tgt Ion:165 Resp: 19103

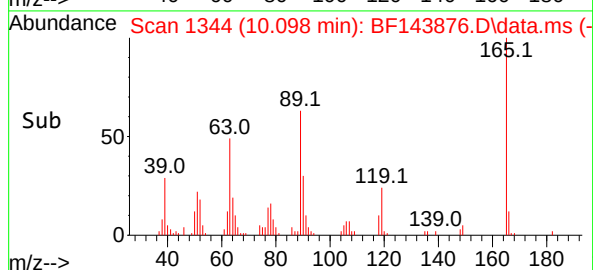
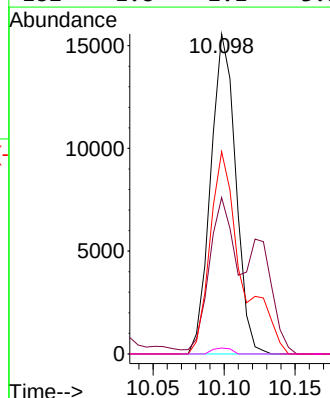
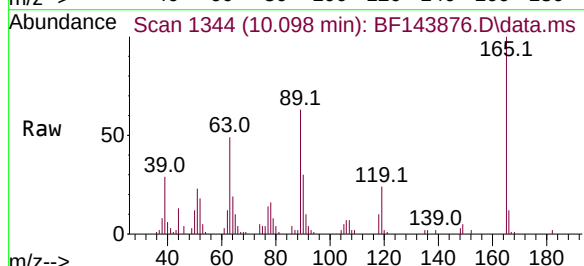
Ion Ratio Lower Upper

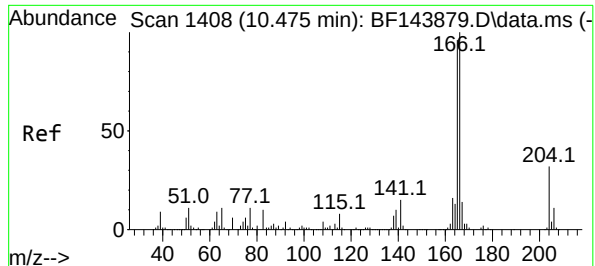
165 100

63 48.8 37.2 55.8

89 63.2 49.4 74.2

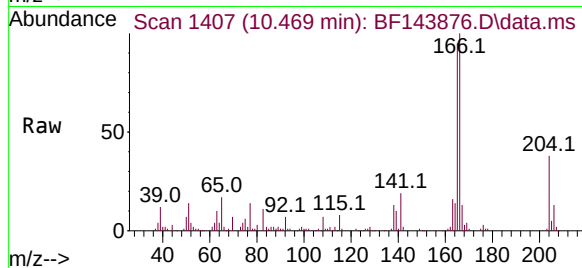
182 1.8 2.1 3.1#





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

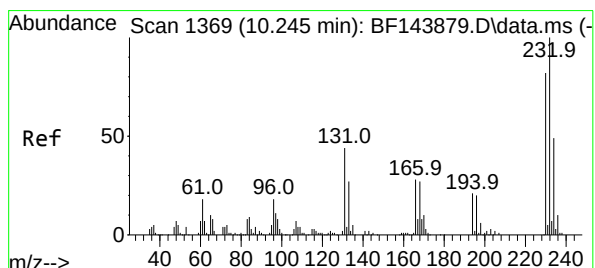
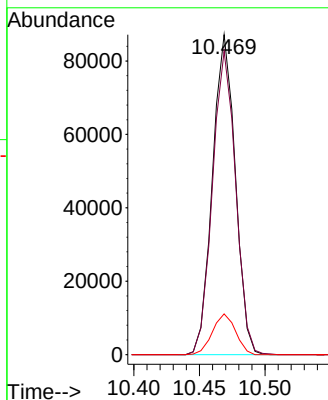
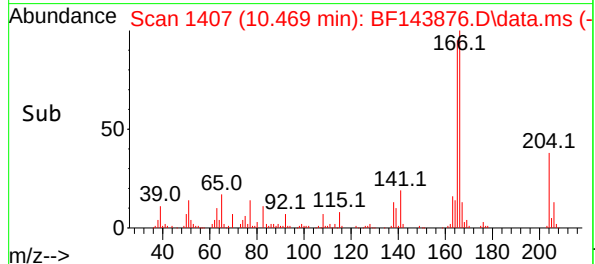
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



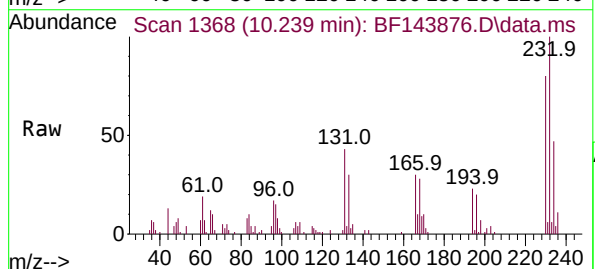
Tgt Ion:166 Resp: 10560
Ion Ratio Lower Upper
166 100
165 94.8 77.0 115.6
167 12.7 11.1 16.7

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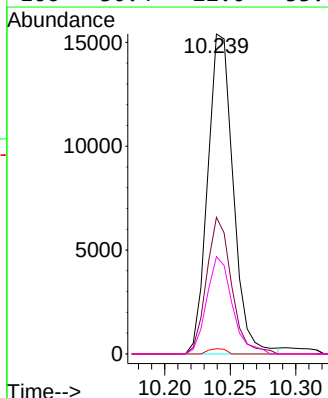
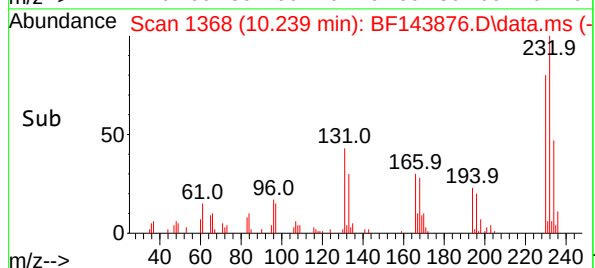
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

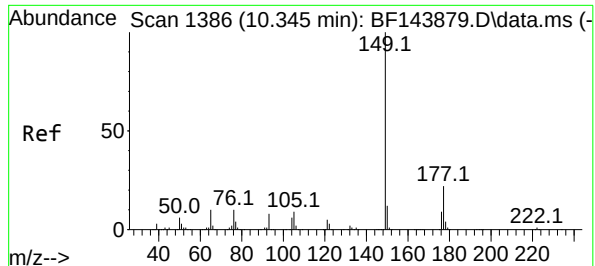


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.560 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



Tgt Ion:232 Resp: 20888
Ion Ratio Lower Upper
232 100
131 41.6 34.9 52.3
130 1.1 1.6 2.4#
166 30.4 22.0 33.0





#60

Diethylphthalate

Concen: 5.590 ng

RT: 10.339 min Scan# 1385

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

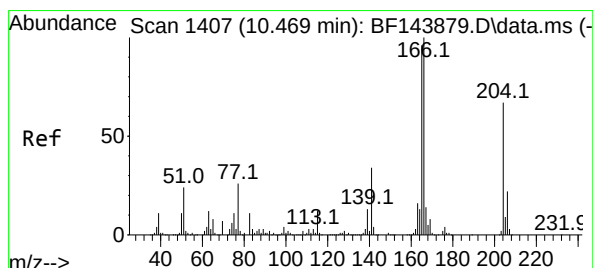
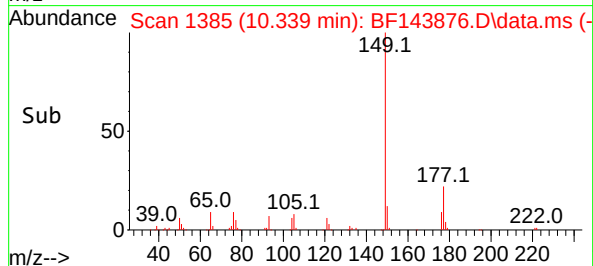
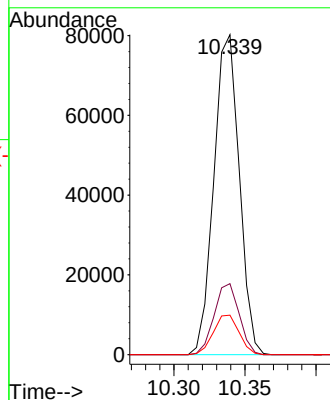
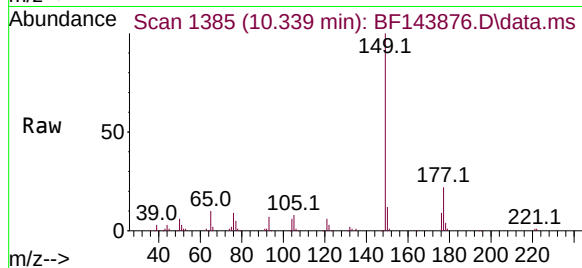
Tgt Ion:	149	Resp:	100010
Ion Ratio	Lower	Upper	
149	100		
177	22.2	17.9	26.9
150	12.3	9.8	14.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#61

4-Chlorophenyl-phenylether

Concen: 6.011 ng

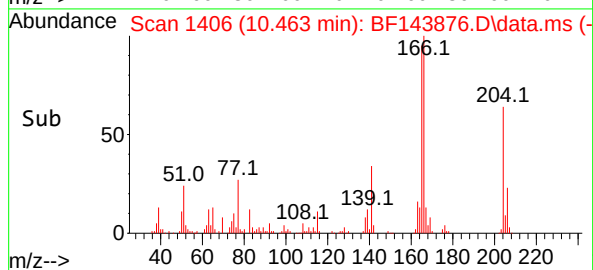
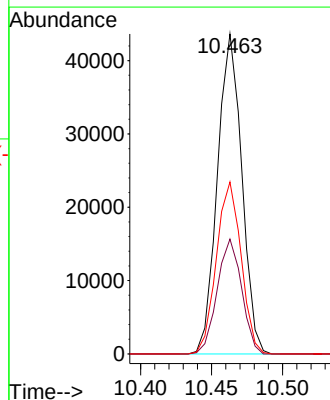
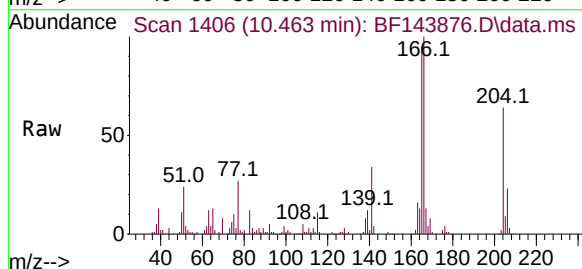
RT: 10.463 min Scan# 1406

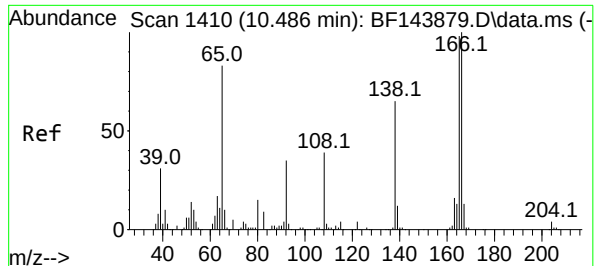
Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

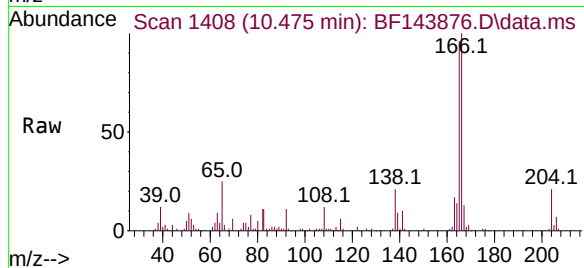
Tgt Ion:	204	Resp:	52199
Ion Ratio	Lower	Upper	
204	100		
206	35.9	26.6	40.0
141	53.7	40.4	60.6





#62
4-Nitroaniline
Concen: 4.625 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

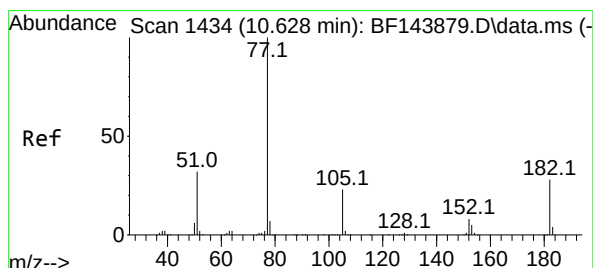
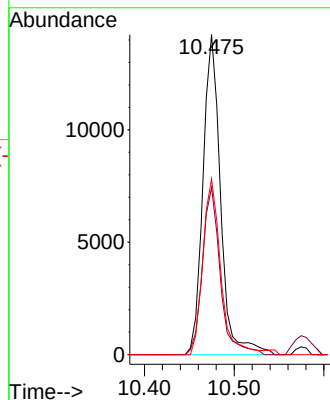
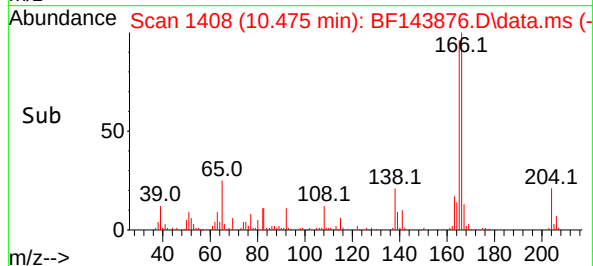
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:138 Resp: 1944
Ion Ratio Lower Upper
138 100
92 52.2 33.9 73.9
108 54.9 40.2 80.2

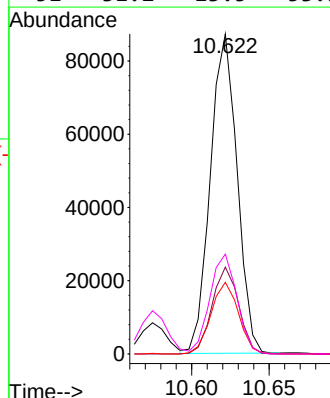
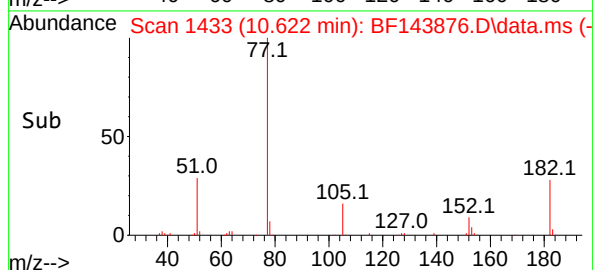
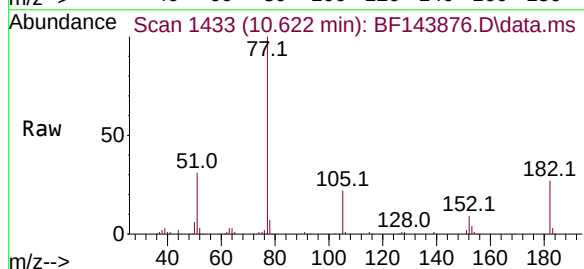
Manual Integrations
APPROVED

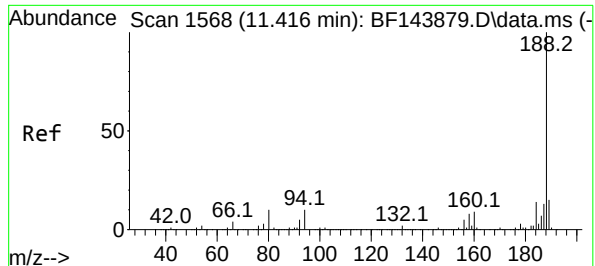
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

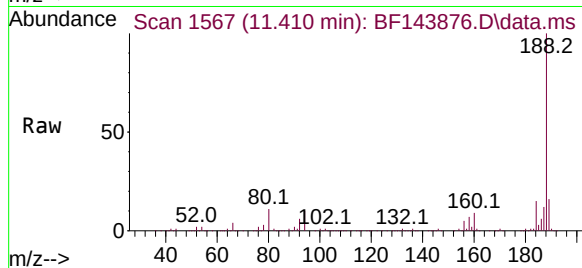
Tgt Ion: 77 Resp: 105174
Ion Ratio Lower Upper
77 100
182 27.1 7.3 47.3
105 22.4 3.0 43.0
51 31.2 13.5 53.5





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

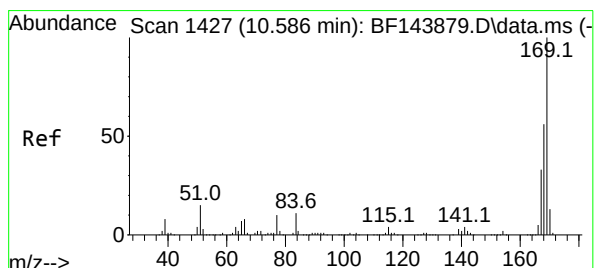
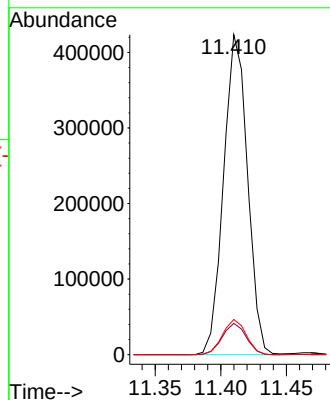
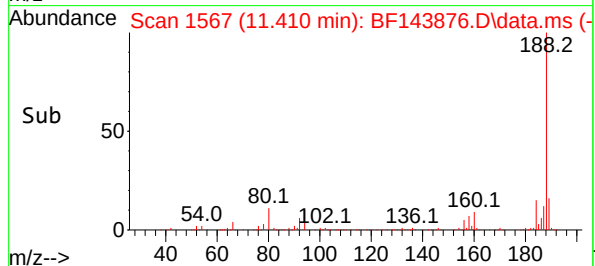
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



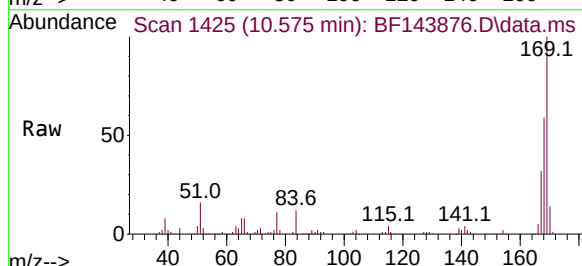
Tgt Ion:188 Resp: 538298
Ion Ratio Lower Upper
188 100
94 9.8 7.8 11.6
80 11.0 7.9 11.9

Manual Integrations
APPROVED

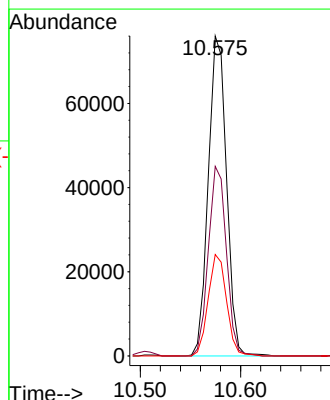
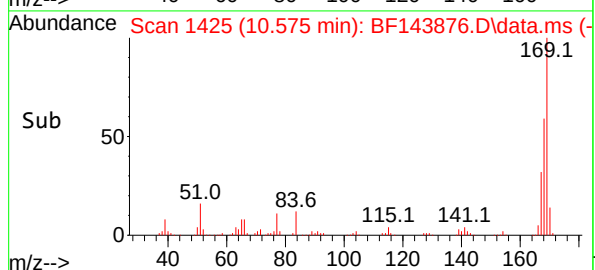
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

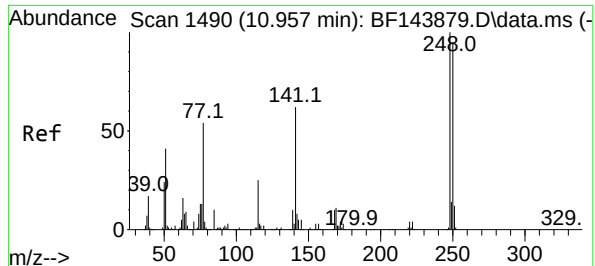


#66
n-Nitrosodiphenylamine
Concen: 5.671 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



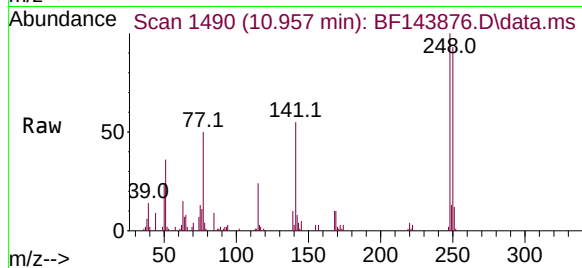
Tgt Ion:169 Resp: 95847
Ion Ratio Lower Upper
169 100
168 59.2 44.9 67.3
167 31.7 26.3 39.5





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

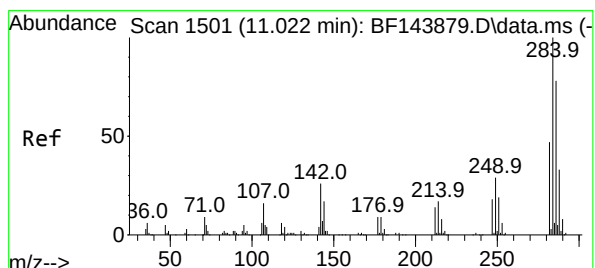
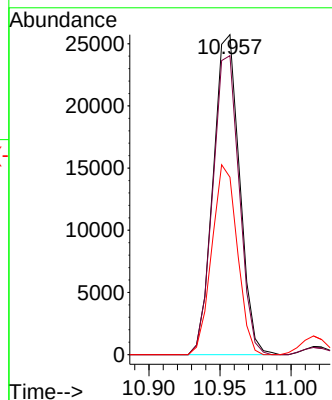
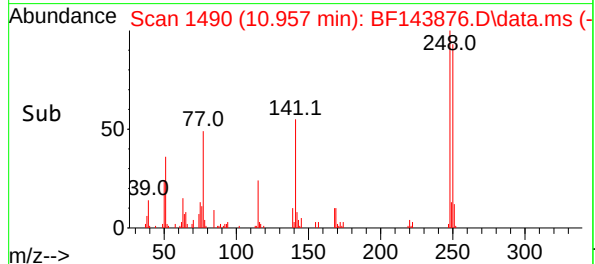
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



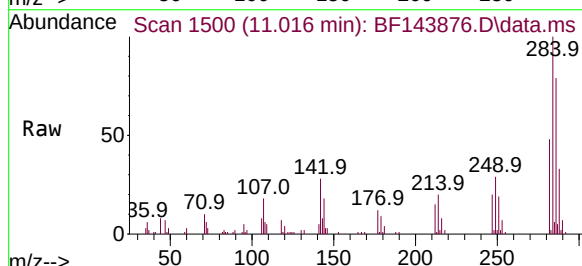
Tgt Ion:248 Resp: 33236
Ion Ratio Lower Upper
248 100
250 93.4 76.3 114.5
141 55.4 49.7 74.5

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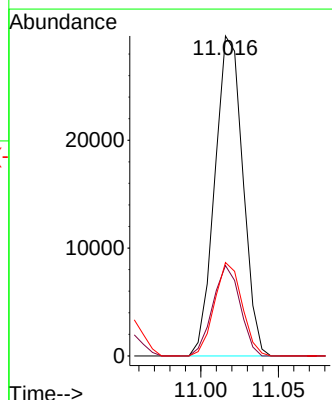
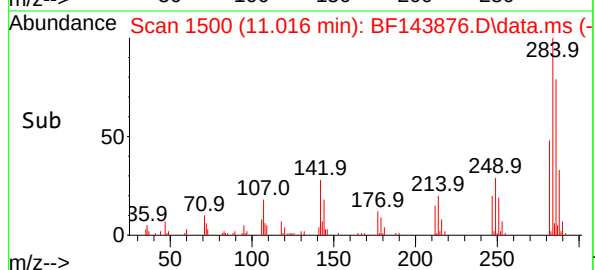
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

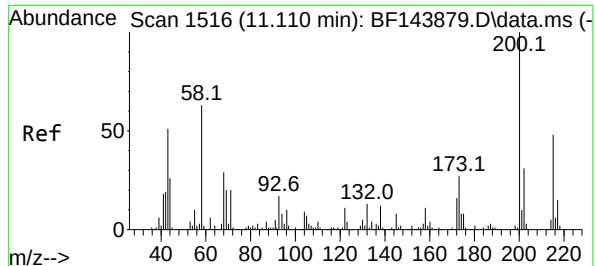


#68
Hexachlorobenzene
Concen: 5.406 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



Tgt Ion:284 Resp: 37233
Ion Ratio Lower Upper
284 100
142 28.2 20.6 30.8
249 29.2 23.2 34.8





#69

Atrazine

Concen: 5.174 ng

RT: 11.104 min Scan# 1516

Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

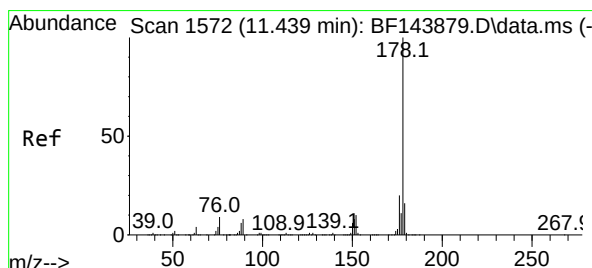
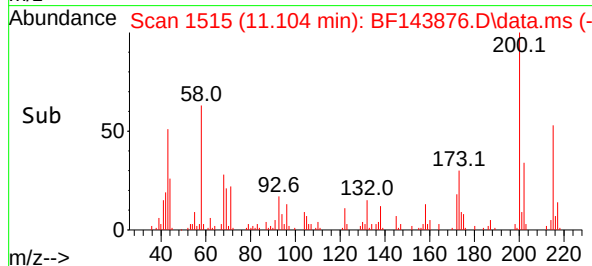
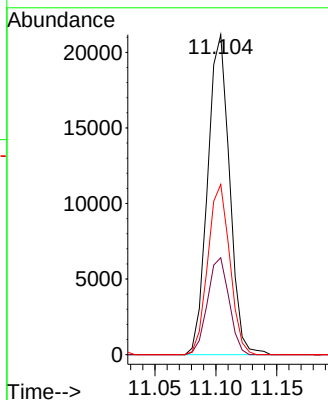
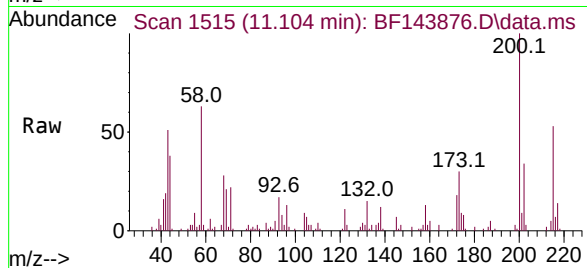
Tgt Ion	Ratio	Lower	Upper
200	100		
173	30.3	7.0	47.0
215	53.2	27.8	67.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#71

Phenanthrene

Concen: 6.004 ng

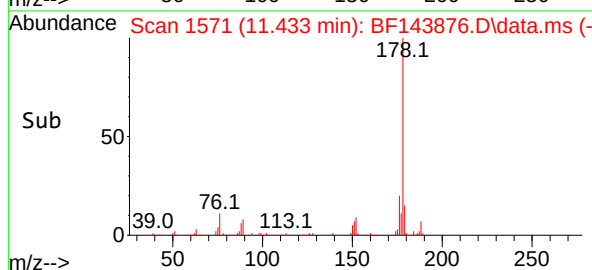
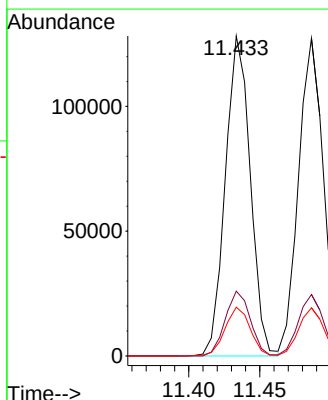
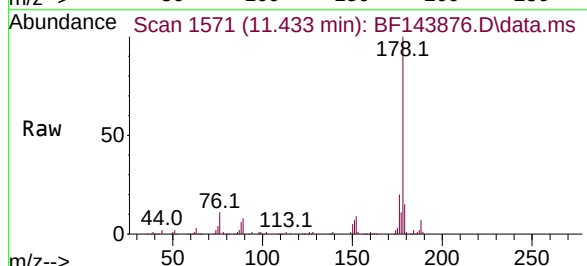
RT: 11.433 min Scan# 1571

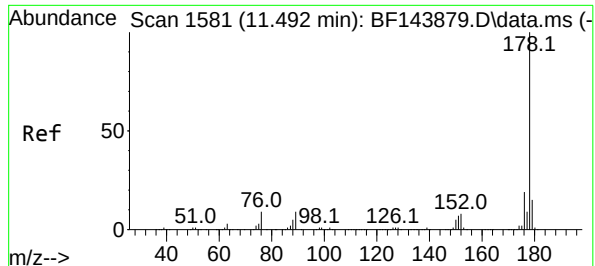
Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

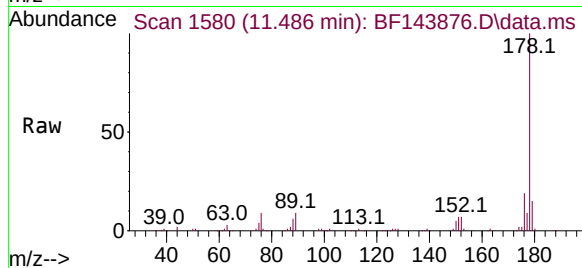
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	15.2	12.4	18.6





#72
Anthracene
Concen: 5.928 ng
RT: 11.486 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

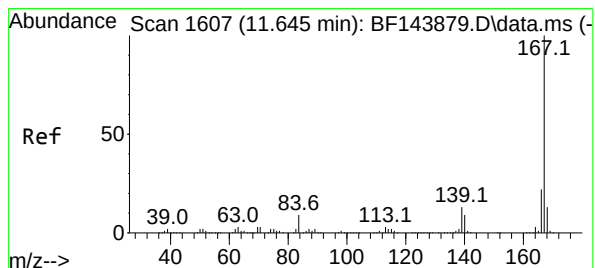
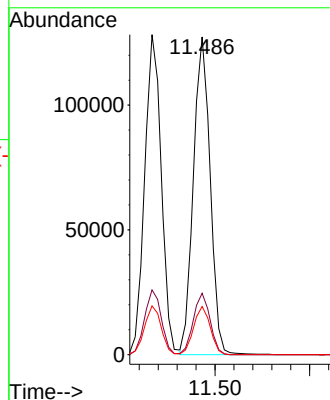
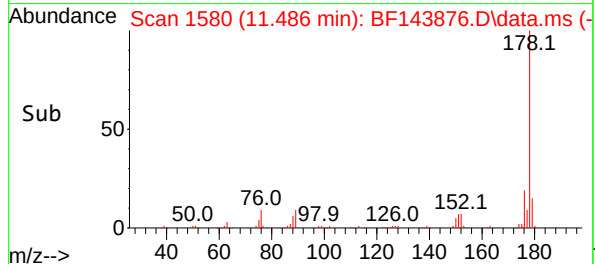
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



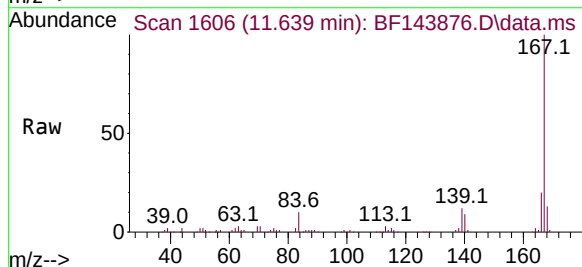
Tgt Ion:178 Resp: 156289
Ion Ratio Lower Upper
178 100
176 19.3 14.9 22.3
179 15.1 12.2 18.2

Manual Integrations
APPROVED

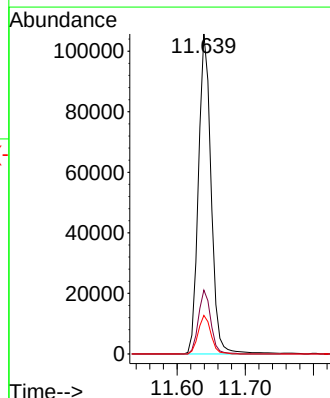
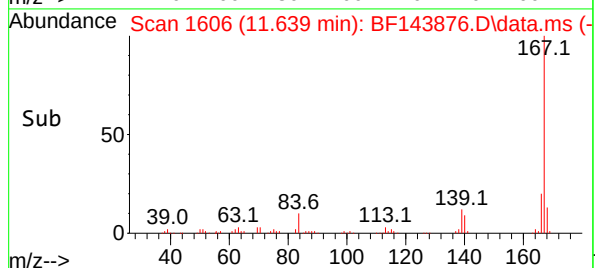
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

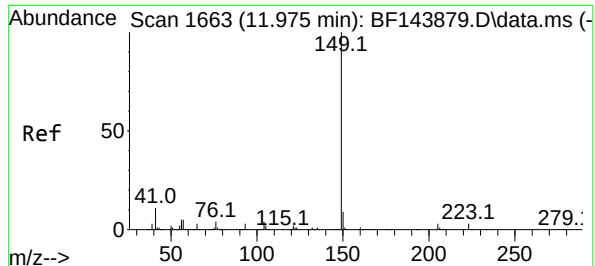


#73
Carbazole
Concen: 5.850 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



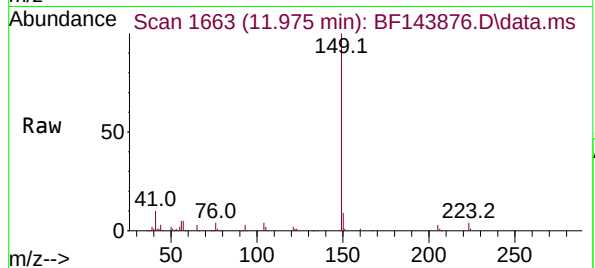
Tgt Ion:167 Resp: 136597
Ion Ratio Lower Upper
167 100
166 19.9 17.2 25.8
139 12.0 10.1 15.1





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

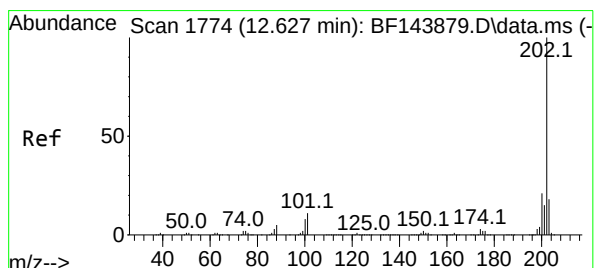
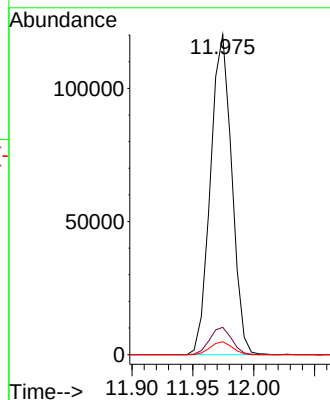
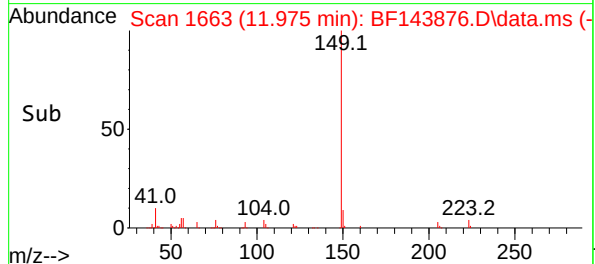
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



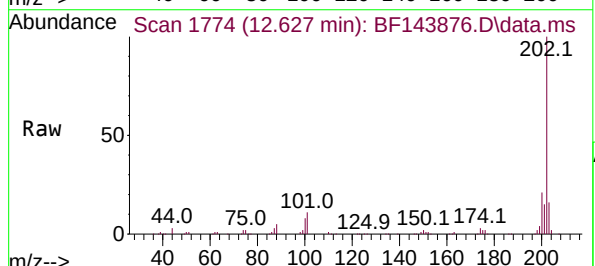
Tgt Ion:149 Resp: 146596
Ion Ratio Lower Upper
149 100
150 8.5 7.4 11.2
104 4.0 3.4 5.2

Manual Integrations
APPROVED

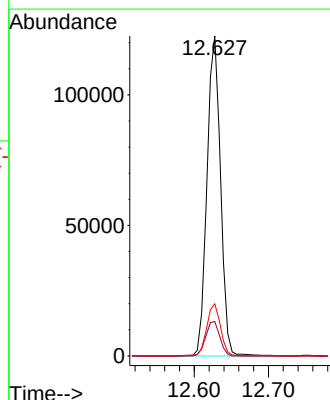
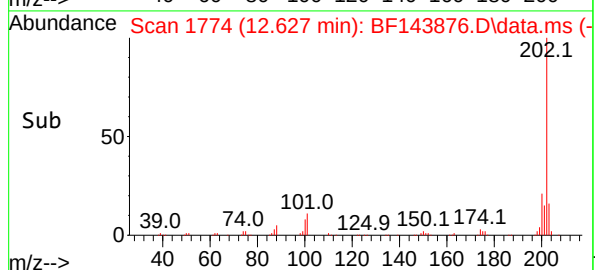
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

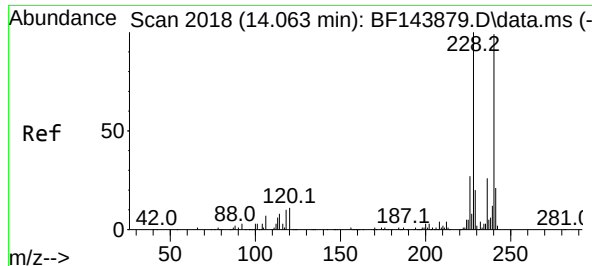


#75
Fluoranthene
Concen: 5.771 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



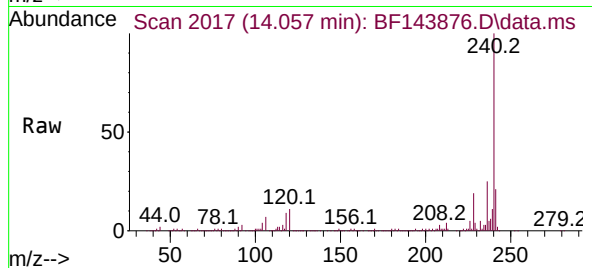
Tgt Ion:202 Resp: 155574
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.7
203 16.3 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2018
Delta R.T. -0.011 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

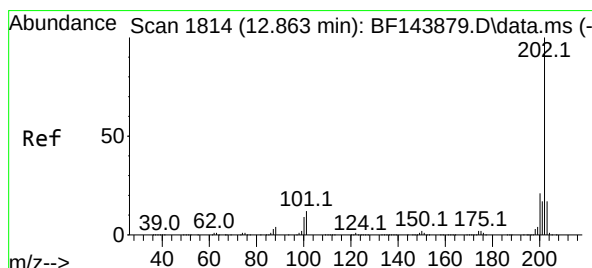
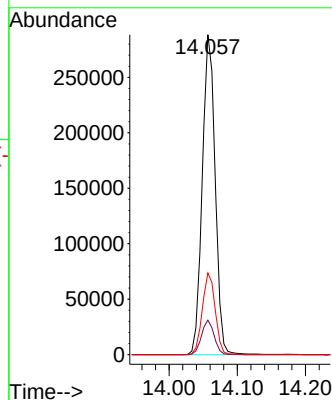
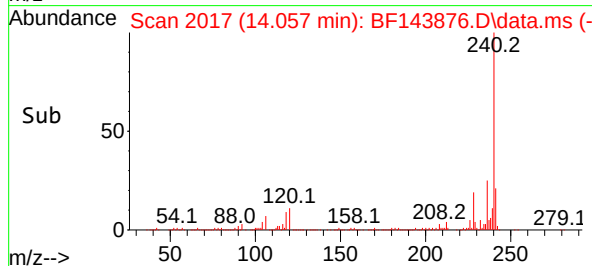
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



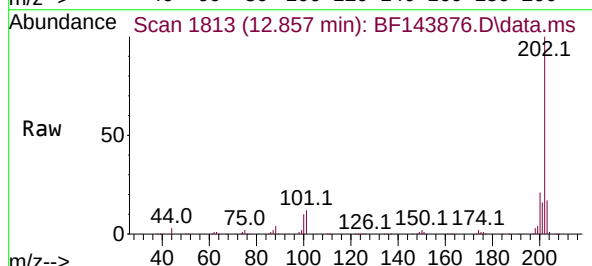
Tgt Ion:240 Resp: 379937
Ion Ratio Lower Upper
240 100
120 10.8 8.6 13.0
236 25.5 21.1 31.7

Manual Integrations
APPROVED

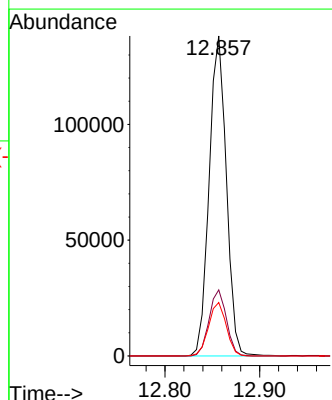
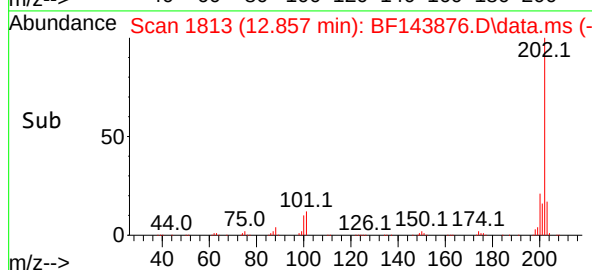
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

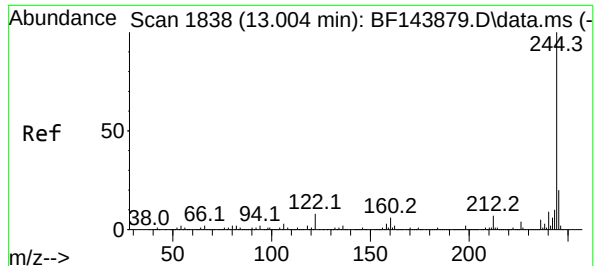


#78
Pyrene
Concen: 5.510 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



Tgt Ion:202 Resp: 174542
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.6
203 16.7 13.8 20.6





#79

Terphenyl-d14

Concen: 11.121 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:244 Resp: 247223

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

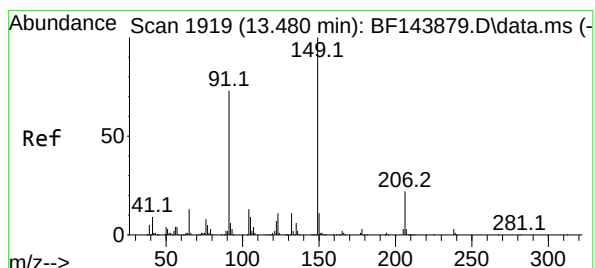
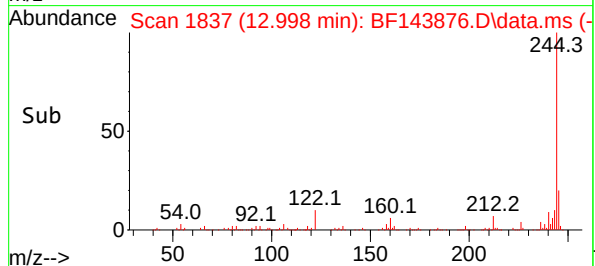
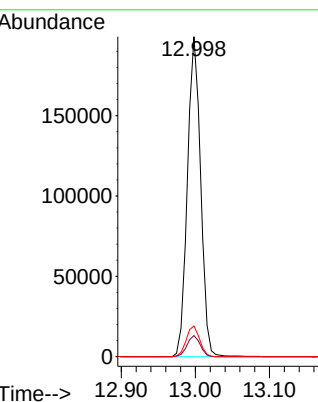
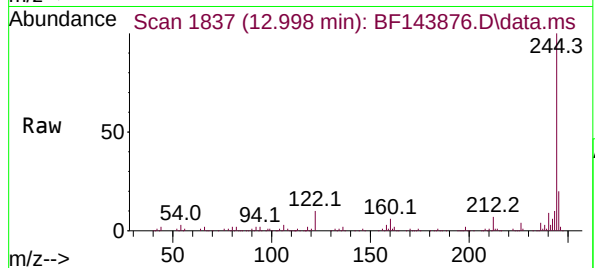
122 9.6 6.4 9.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#80

Butylbenzylphthalate

Concen: 4.302 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

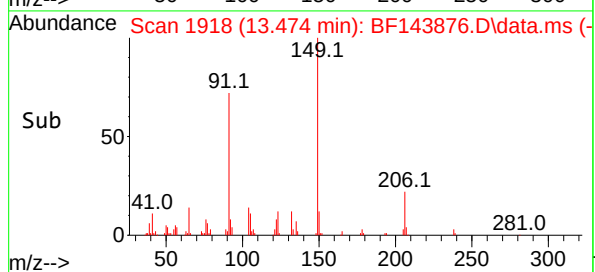
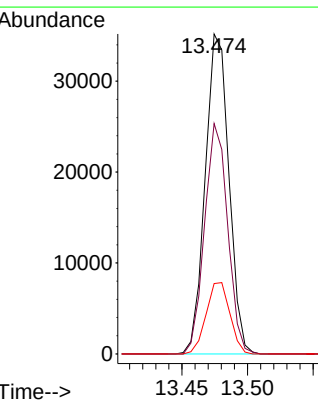
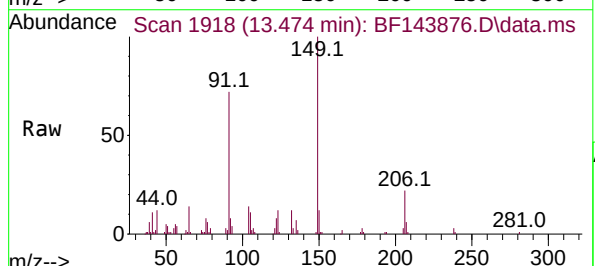
Tgt Ion:149 Resp: 44252

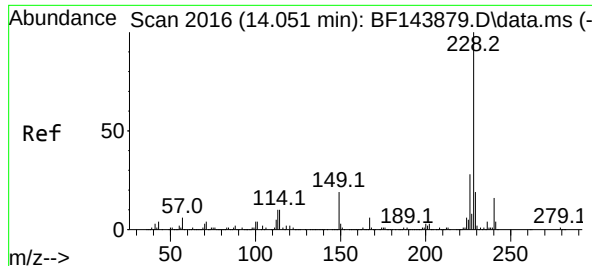
Ion Ratio Lower Upper

149 100

91 72.0 58.2 87.2

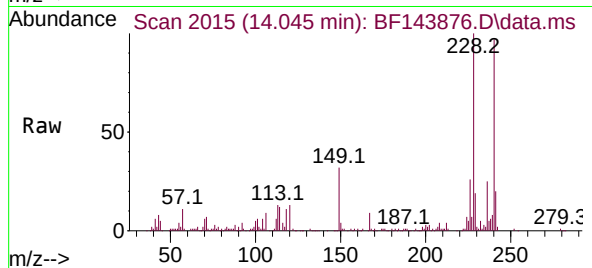
206 22.0 17.9 26.9





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

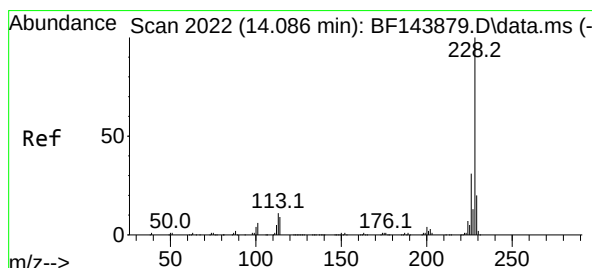
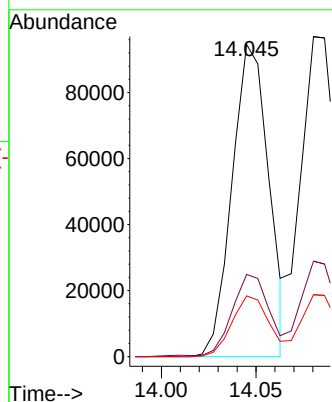
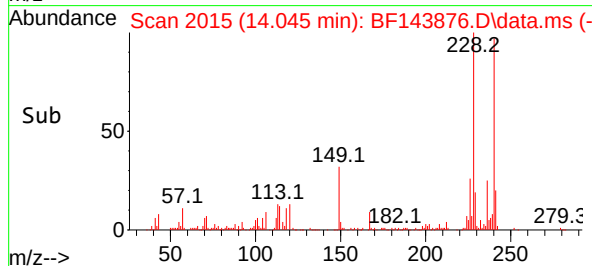
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

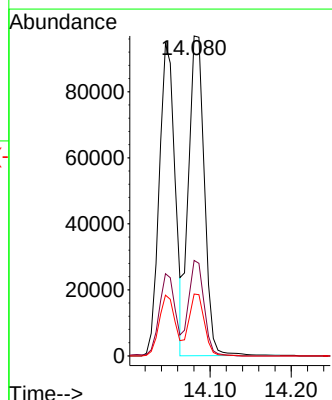
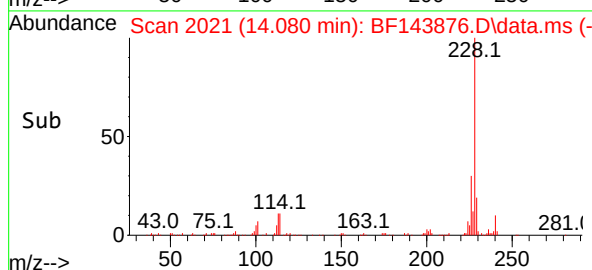
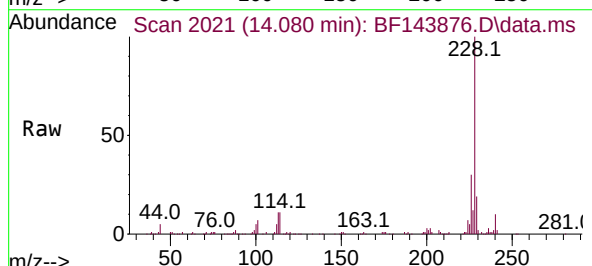
Manual Integrations
APPROVED

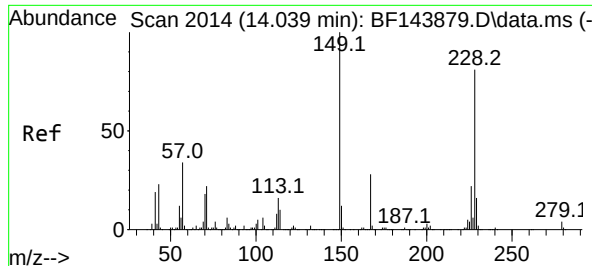
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

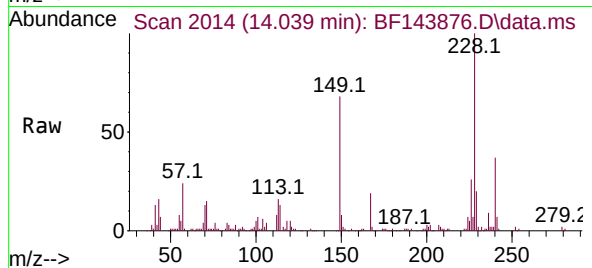
Tgt Ion:228 Resp: 130450
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 19.3 15.9 23.9





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

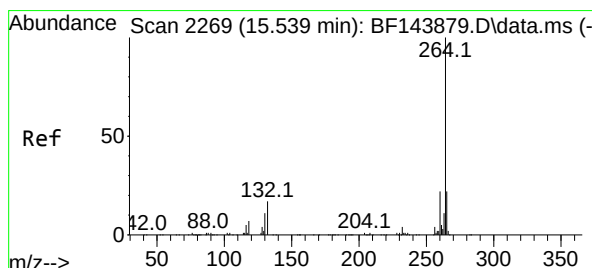
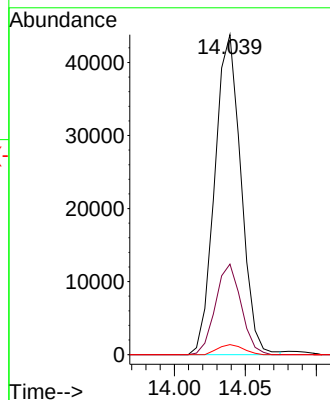
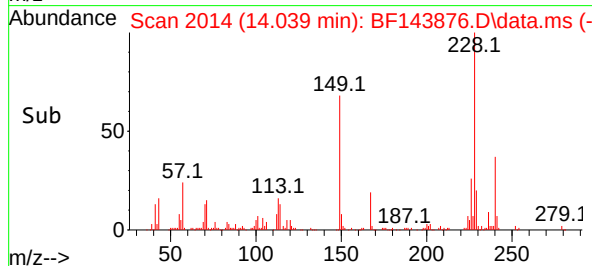
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

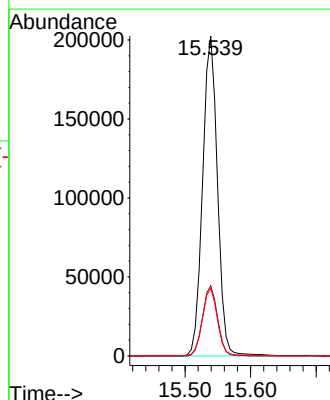
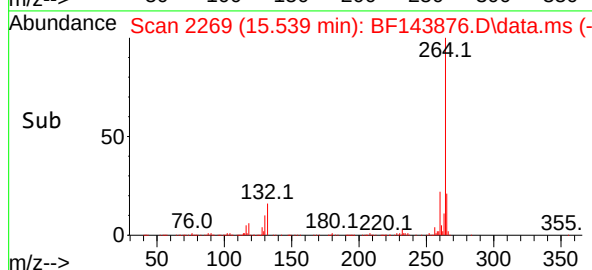
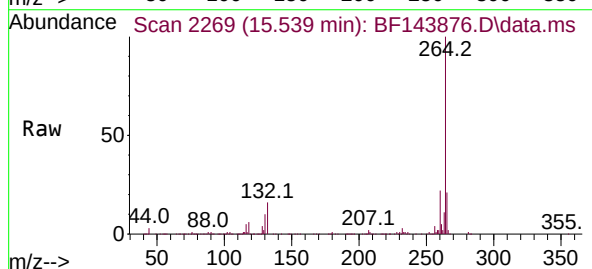
Manual Integrations
APPROVED

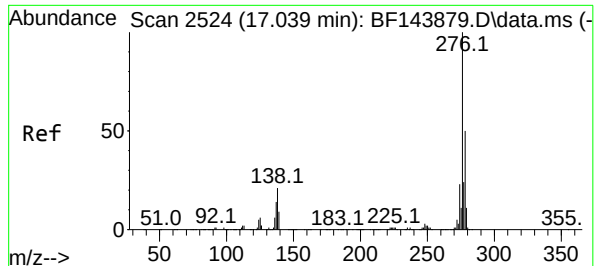
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:264 Resp: 317181
Ion Ratio Lower Upper
264 100
260 21.9 17.8 26.8
265 21.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.544 ng

RT: 17.021 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

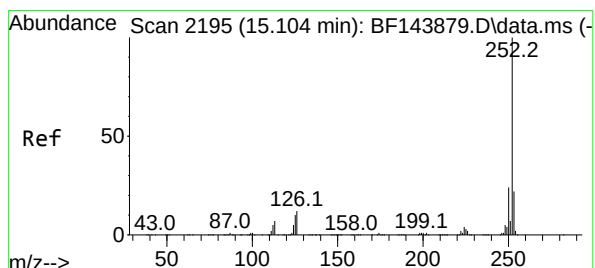
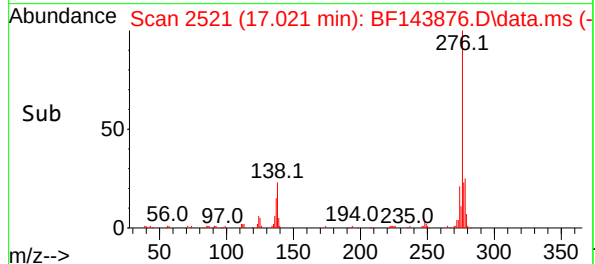
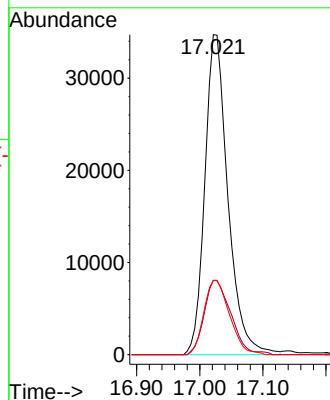
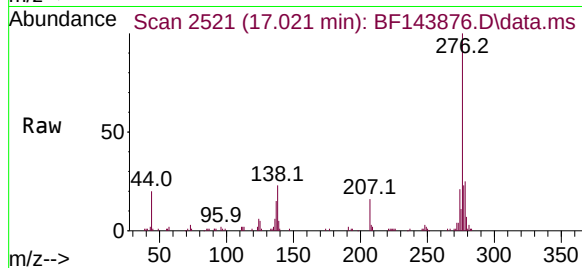
Instrument :

BNA_F

ClientSampleId :

SSTDICC005

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

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

#88

Benzo(b)fluoranthene

Concen: 5.255 ng

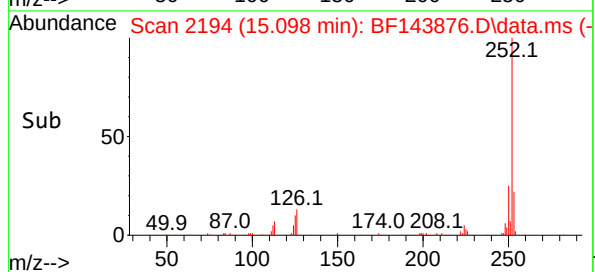
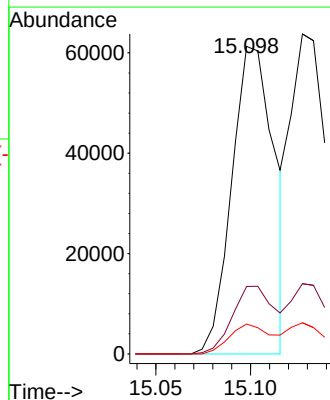
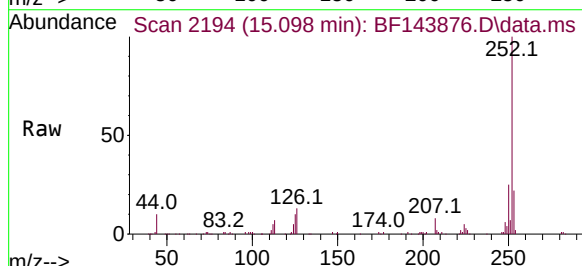
RT: 15.098 min Scan# 2194

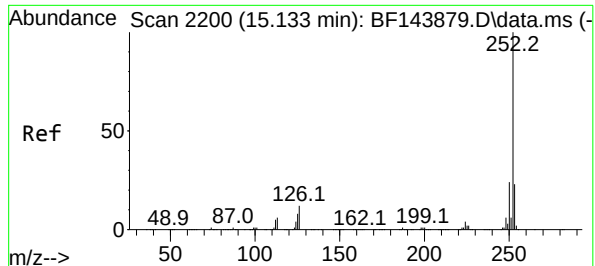
Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

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





#89

Benzo(k)fluoranthene

Concen: 5.352 ng

RT: 15.127 min Scan# 2199

Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

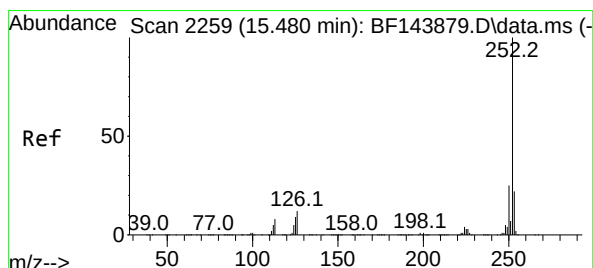
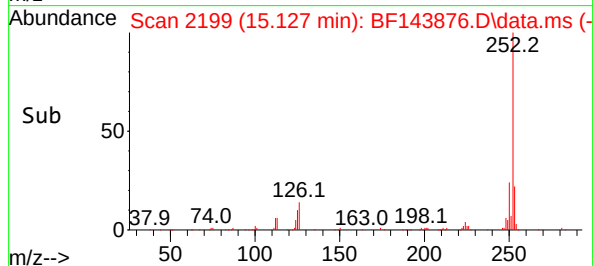
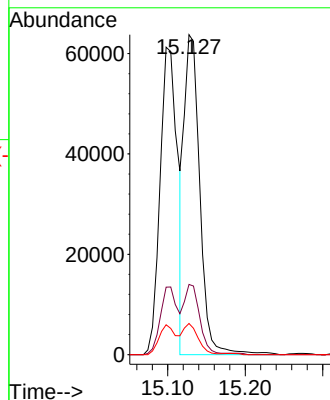
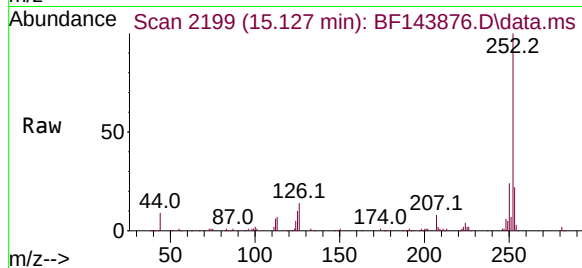
Tgt Ion:	252	Resp:	90226
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.8
125	9.7	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#90

Benzo(a)pyrene

Concen: 5.018 ng

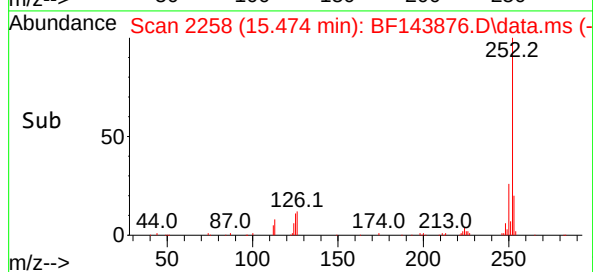
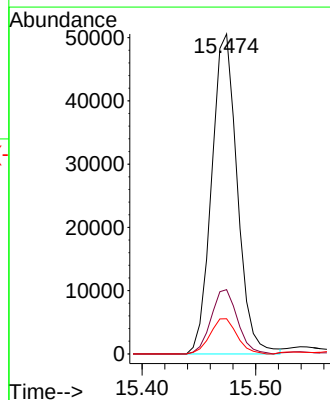
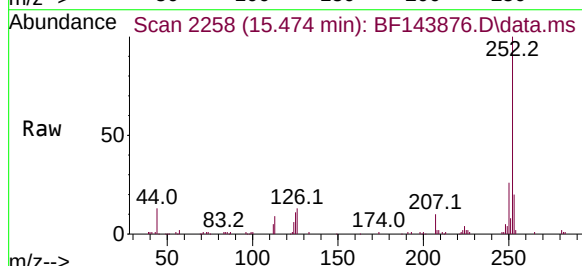
RT: 15.474 min Scan# 2258

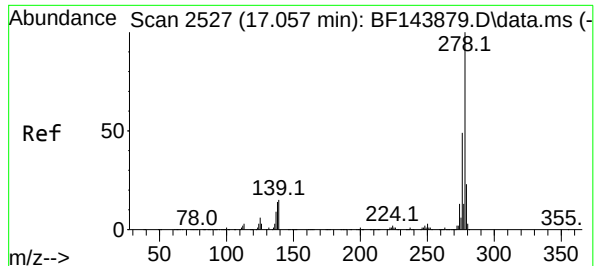
Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Tgt Ion:	252	Resp:	79275
Ion Ratio	Lower	Upper	
252	100		
253	20.1	17.3	25.9
125	11.0	7.0	10.4





#91

Dibenzo(a,h)anthracene

Concen: 4.507 ng

RT: 17.045 min Scan# 2527

Delta R.T. -0.035 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:278 Resp: 70452

Ion Ratio Lower Upper

278 100

139 16.2 11.7 17.5

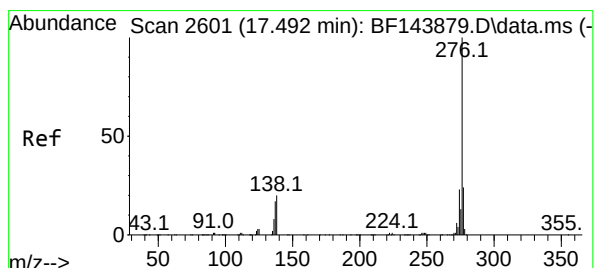
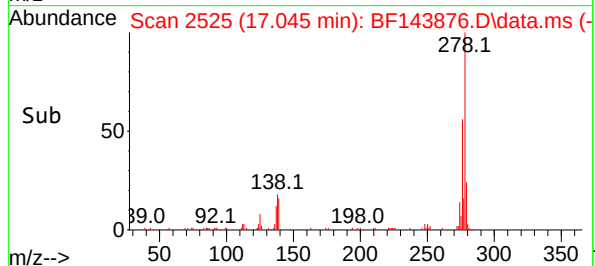
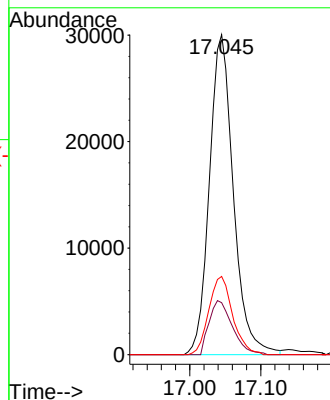
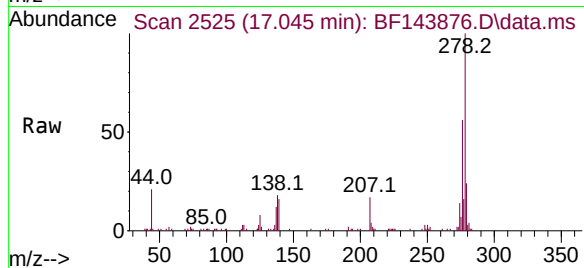
279 24.4 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#92

Benzo(g,h,i)perylene

Concen: 4.508 ng

RT: 17.474 min Scan# 2598

Delta R.T. -0.041 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

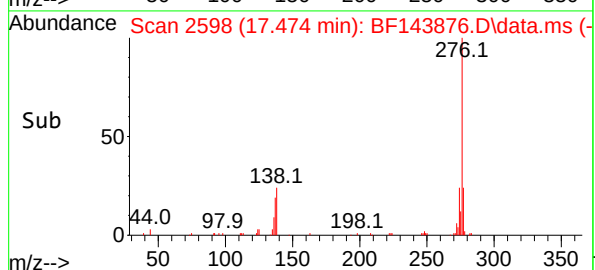
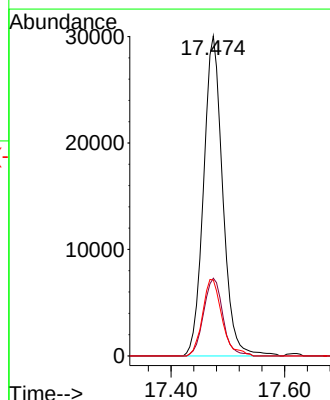
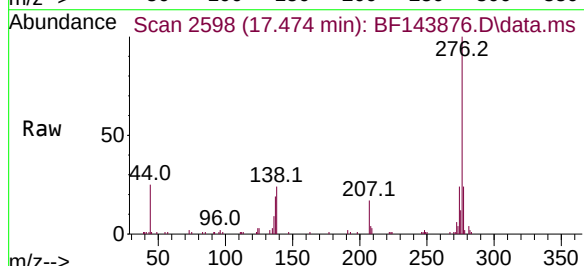
Tgt Ion:276 Resp: 70468

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 23.7 16.1 24.1



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

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:38:08 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 06 15:29:47 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	126533	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	493548	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	283821	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	504357	20.000	ng	0.00
76) Chrysene-d12	14.057	240	366499	20.000	ng	-0.01
86) Perylene-d12	15.539	264	297391	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	170697	21.422	ng	-0.01
7) Phenol-d6	6.493	99	206358	21.727	ng	-0.02
23) Nitrobenzene-d5	7.440	82	164127	20.204	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	54453	19.262	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	404164	22.595	ng	-0.01
79) Terphenyl-d14	12.998	244	442968	20.657	ng	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.622	88	37665	10.215	ng	96
3) Pyridine	3.399	79	105800	9.856	ng	99
4) n-Nitrosodimethylamine	3.322	42	49793	8.818	ng	99
6) Aniline	6.540	93	147222	10.344	ng	98
8) 2-Chlorophenol	6.663	128	77754	9.983	ng	97
9) Benzaldehyde	6.434	77	70546	9.629	ng	98
10) Phenol	6.510	94	114780m	10.109	ng	
11) bis(2-Chloroethyl)ether	6.610	93	92208	10.513	ng	98
12) 1,3-Dichlorobenzene	6.822	146	100630	10.793	ng	96
13) 1,4-Dichlorobenzene	6.898	146	101588	11.046	ng	97
14) 1,2-Dichlorobenzene	7.051	146	95345	10.824	ng	98
15) Benzyl Alcohol	7.016	79	70756	9.943	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	214183	10.728	ng	99
17) 2-Methylphenol	7.122	107	66872	10.389	ng	96
18) Hexachloroethane	7.398	117	32160	10.486	ng	95
19) n-Nitroso-di-n-propyla...	7.287	70	71731	11.034	ng	94
20) 3+4-Methylphenols	7.275	107	88634	11.881	ng	95
22) Acetophenone	7.287	105	113751	10.900	ng	96
24) Nitrobenzene	7.457	77	86228	9.558	ng	96
25) Isophorone	7.698	82	174767	10.203	ng	98
26) 2-Nitrophenol	7.781	139	32787	8.477	ng	95
27) 2,4-Dimethylphenol	7.810	122	70960	10.199	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	116898	10.804	ng	95
29) 2,4-Dichlorophenol	8.016	162	72141	9.954	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	73668	10.336	ng	98
31) Naphthalene	8.187	128	245857	10.951	ng	99
32) Benzoic acid	7.869	122	32361m	6.721	ng	
33) 4-Chloroaniline	8.234	127	91294	10.842	ng	95
34) Hexachlorobutadiene	8.304	225	52824	10.665	ng	98
35) Caprolactam	8.569	113	22813	9.900	ng	95
36) 4-Chloro-3-methylphenol	8.704	107	74546	10.708	ng	96
37) 2-Methylnaphthalene	8.875	142	168581	11.272	ng	98
38) 1-Methylnaphthalene	8.975	142	161895	11.160	ng	96
40) 1,2,4,5-Tetrachloroben...	9.039	216	83972	10.705	ng	97
41) Hexachlorocyclopentadiene	9.034	237	25812	7.932	ng	95
43) 2,4,6-Trichlorophenol	9.151	196	55929	9.758	ng	93

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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

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

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

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

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

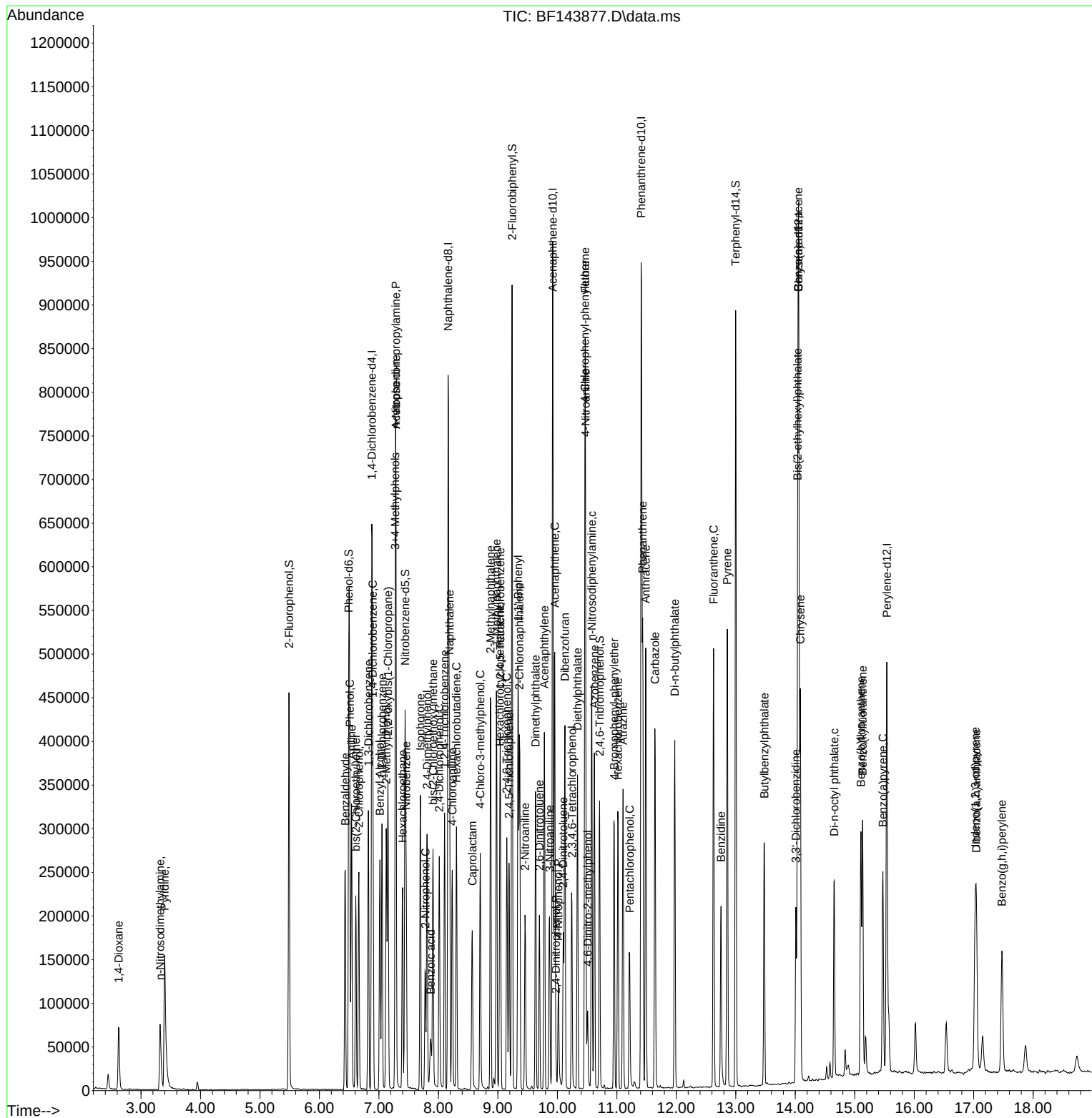

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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\  
Data File : BF143877.D  
Acq On    : 06 Oct 2025  10:57  
Operator   : RC/JU  
Sample     : SSTDICC010  
Misc       :  
ALS Vial   : 4    Sample Multiplier: 1
```

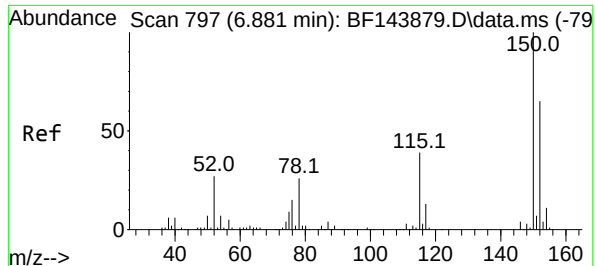
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Supervised By :Jagrut Upadhyay 10/07/2025

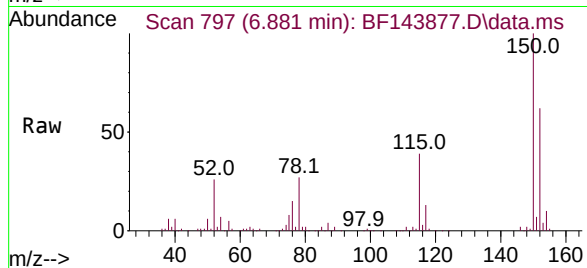
Quant Time: Oct 06 15:38:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration





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

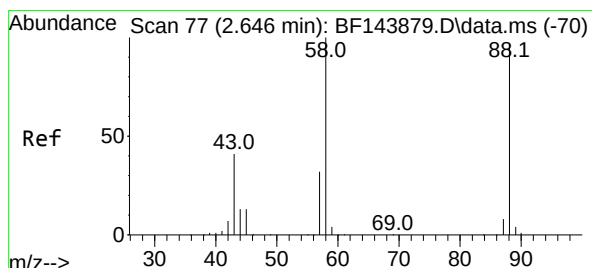
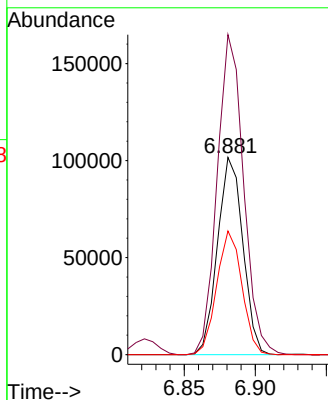
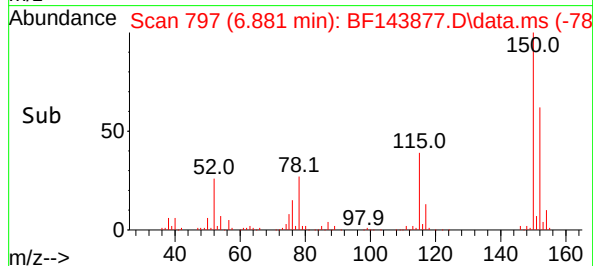
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

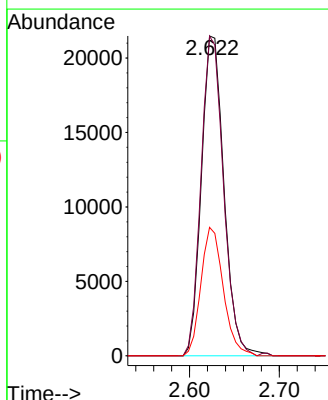
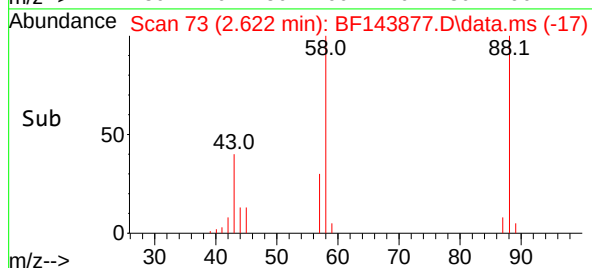
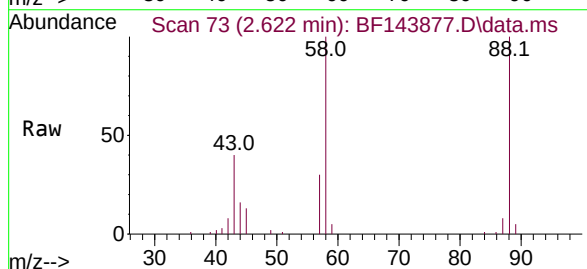
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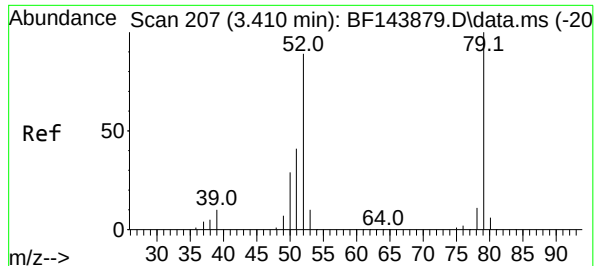
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion: 88 Resp: 37665
Ion Ratio Lower Upper
88 100
58 99.3 83.0 124.6
43 39.9 33.9 50.9





#3

Pyridine

Concen: 9.856 ng

RT: 3.399 min Scan# 207

Delta R.T. -0.018 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 105800

Ion Ratio Lower Upper

79 100

52 88.4 71.5 107.3

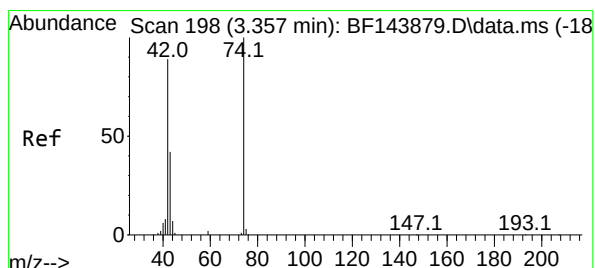
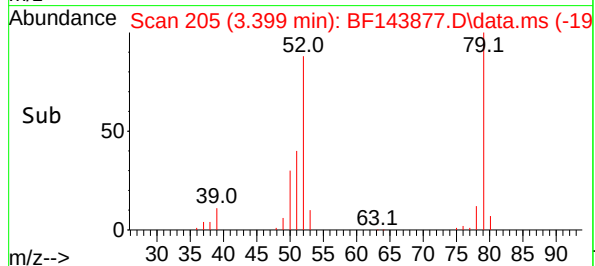
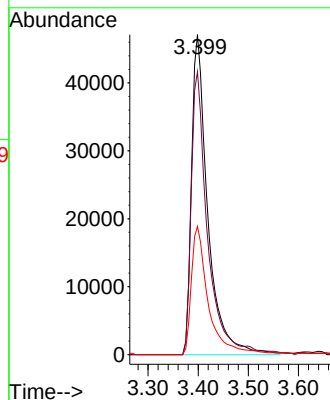
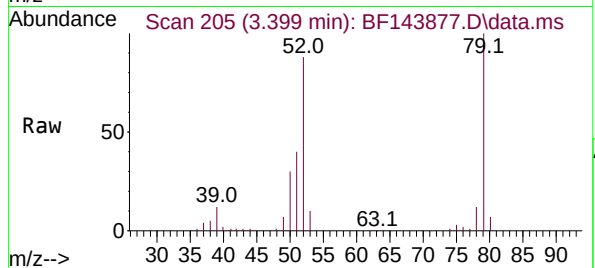
51 40.1 32.9 49.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#4

n-Nitrosodimethylamine

Concen: 8.818 ng

RT: 3.322 min Scan# 192

Delta R.T. -0.065 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

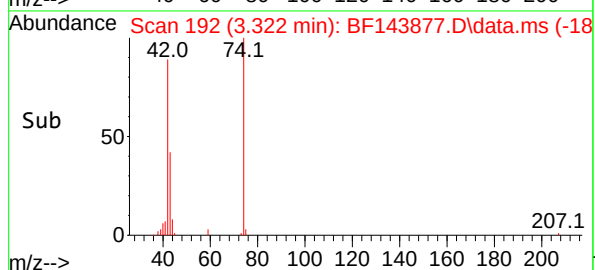
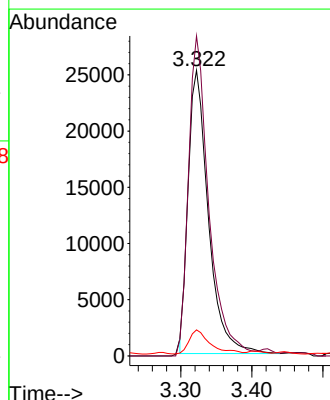
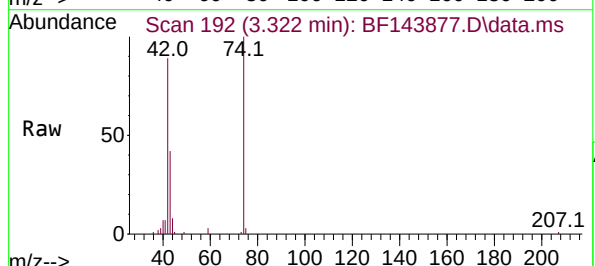
Tgt Ion: 42 Resp: 49793

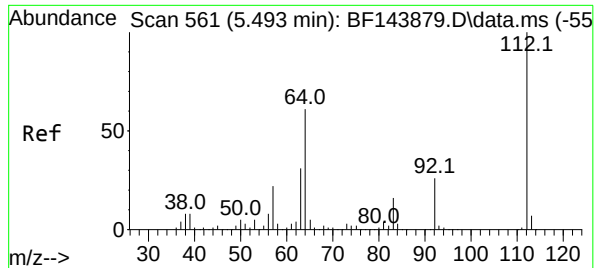
Ion Ratio Lower Upper

42 100

74 112.1 90.0 135.0

44 9.1 6.2 9.2





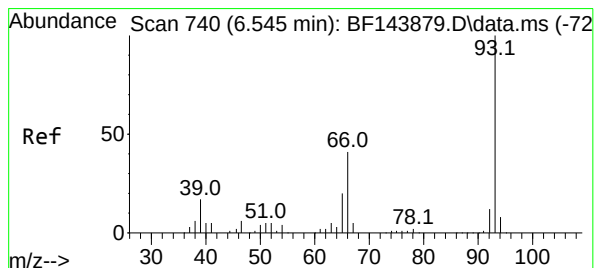
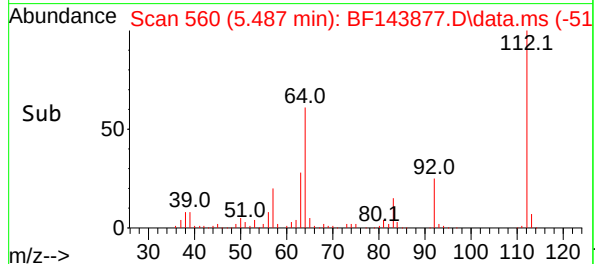
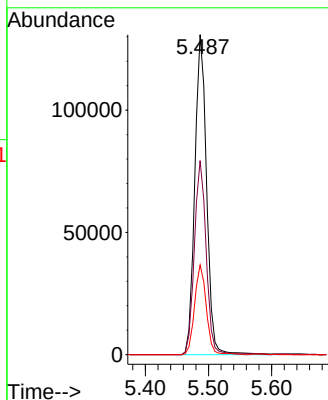
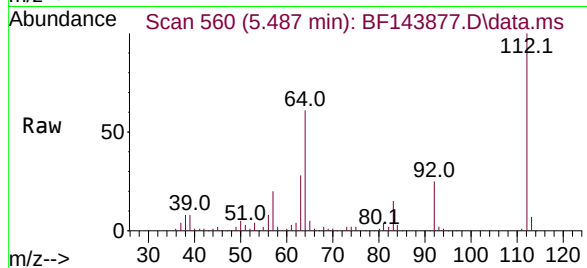
#5
2-Fluorophenol
Concen: 21.422 ng
RT: 5.487 min Scan# 50
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 17069
Ion Ratio Lower Upper
112 100
64 60.6 49.1 73.7
63 28.0 24.5 36.7

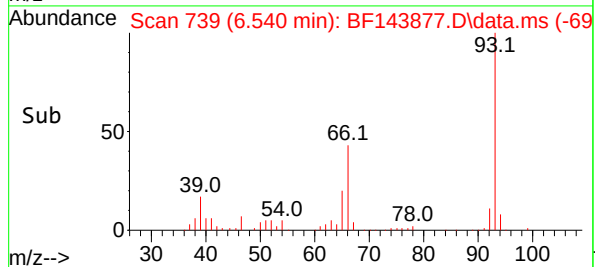
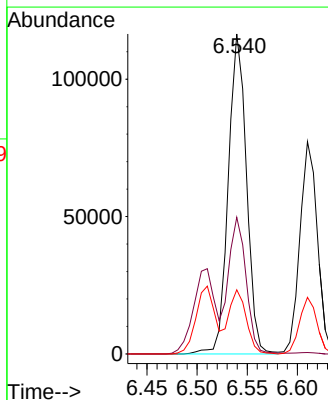
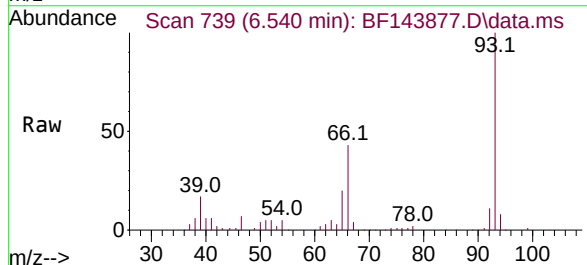
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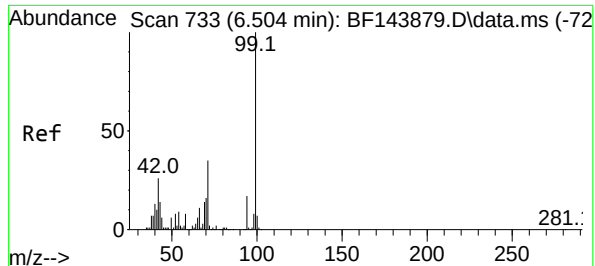
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

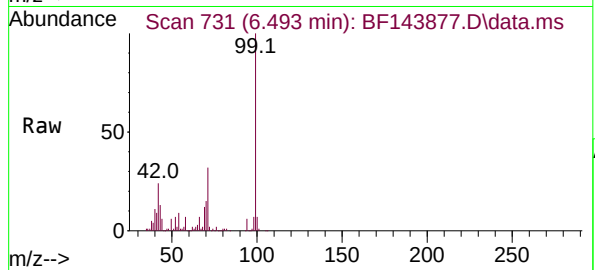
Tgt Ion: 93 Resp: 147222
Ion Ratio Lower Upper
93 100
66 42.7 33.0 49.6
65 20.0 15.8 23.8





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

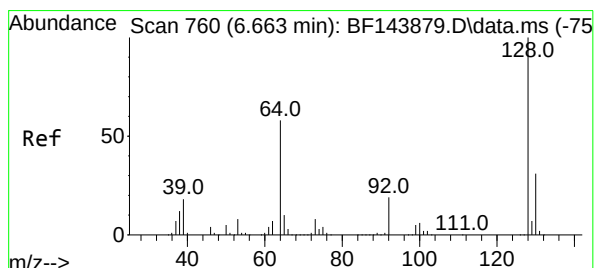
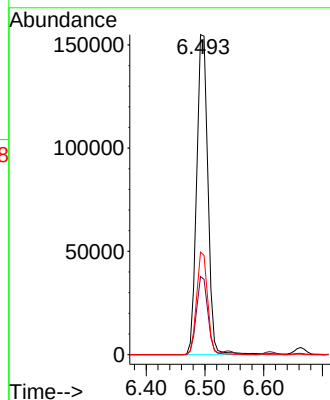
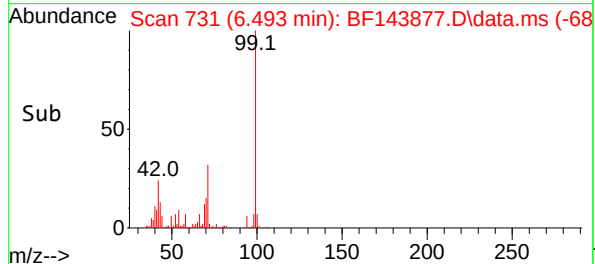
Instrument :
BNA_F
Client Sample Id :
SSTDICC010



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

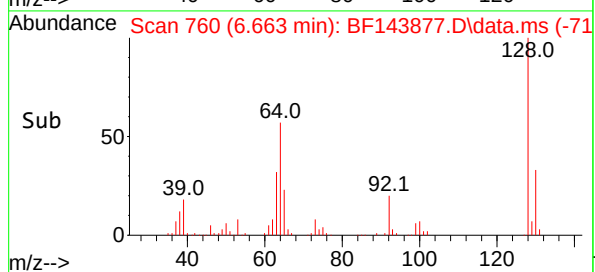
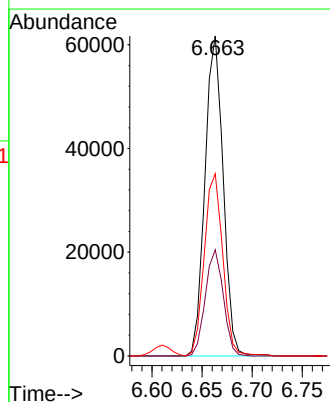
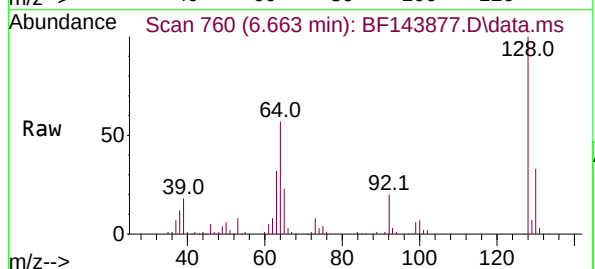
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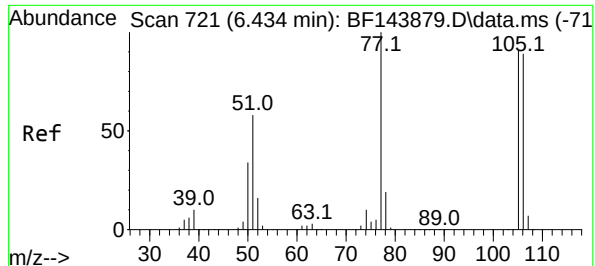
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:128 Resp: 77754
Ion Ratio Lower Upper
128 100
130 33.2 10.7 50.7
64 56.9 39.0 79.0



#9
Benzaldehyde

Concen: 9.629 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 77 Resp: 70546

Ion Ratio Lower Upper

77 100

105 92.9 70.9 110.9

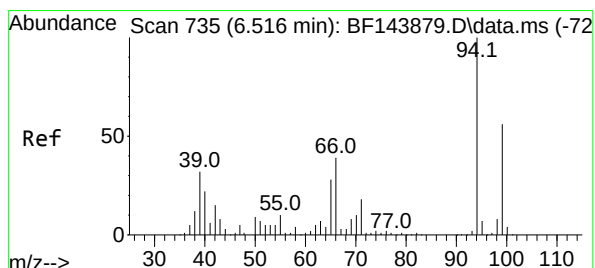
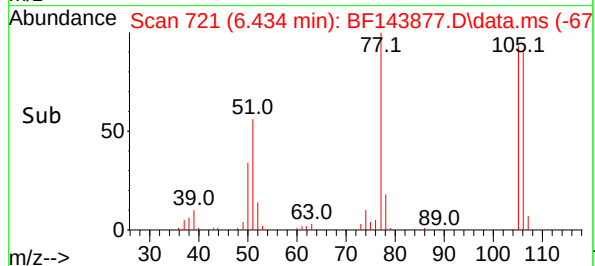
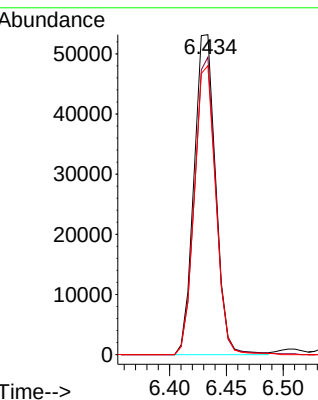
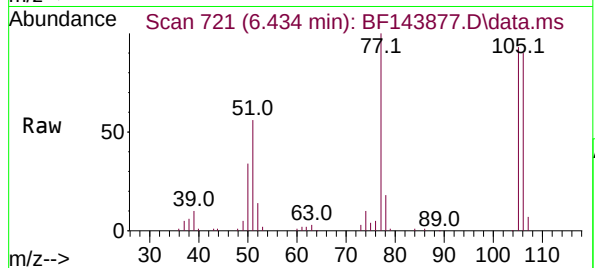
106 90.3 68.9 108.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#10

Phenol

Concen: 10.109 ng m

RT: 6.510 min Scan# 734

Delta R.T. -0.023 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

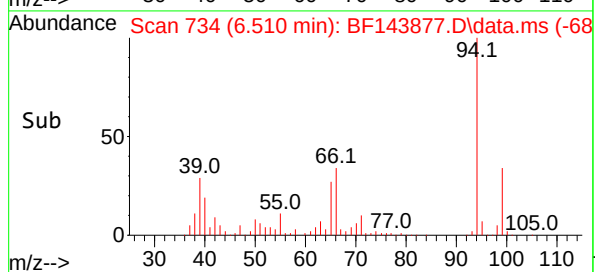
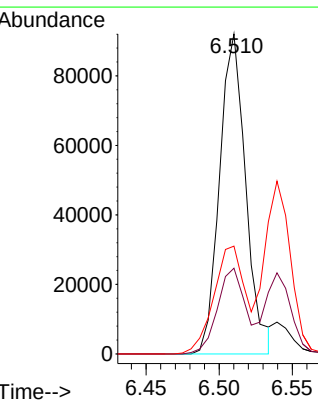
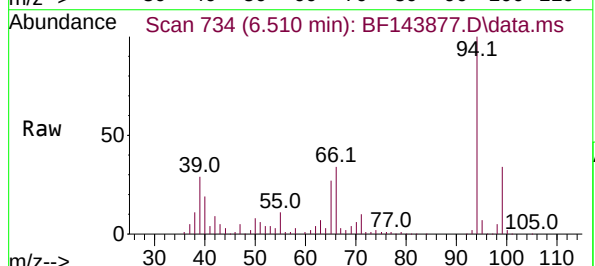
Tgt Ion: 94 Resp: 114780

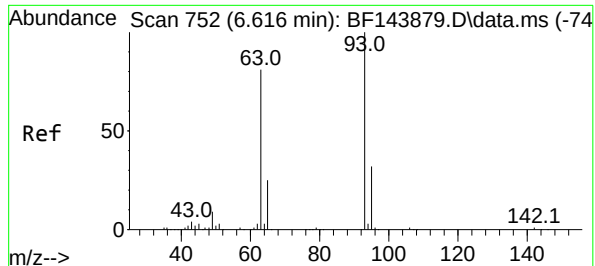
Ion Ratio Lower Upper

94 100

65 26.8 8.5 48.5

66 33.7 19.9 59.9





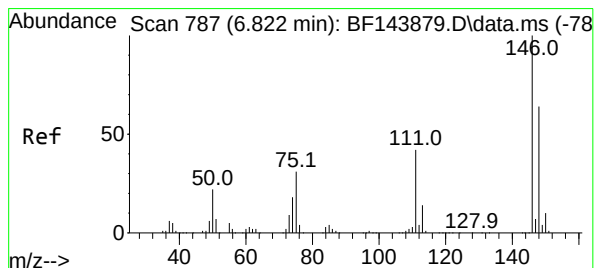
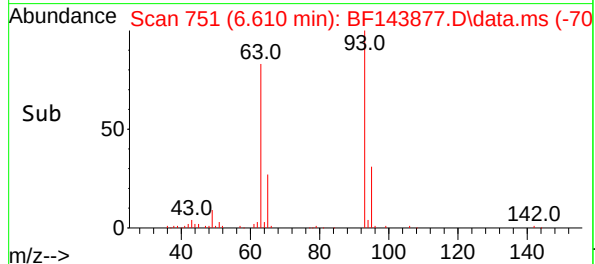
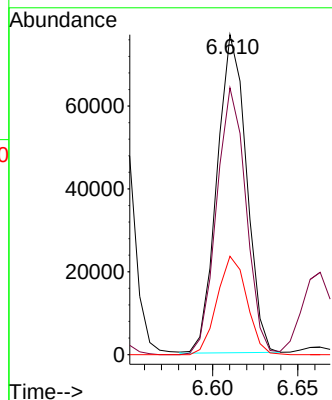
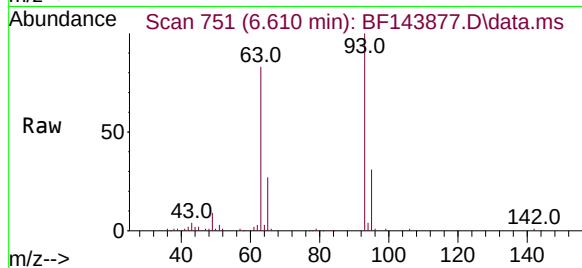
#11
bis(2-Chloroethyl)ether
Concen: 10.513 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

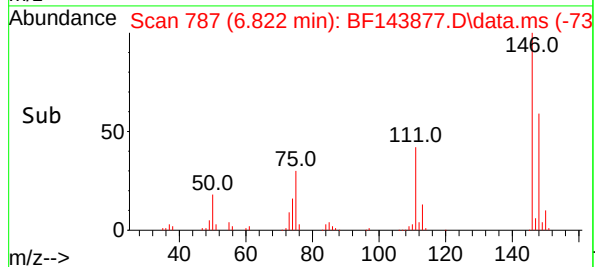
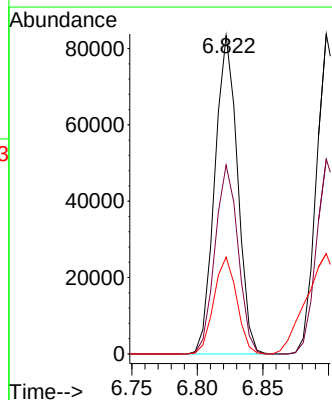
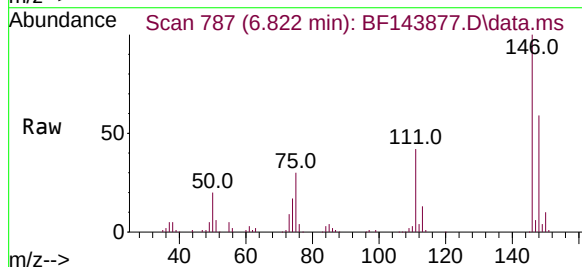
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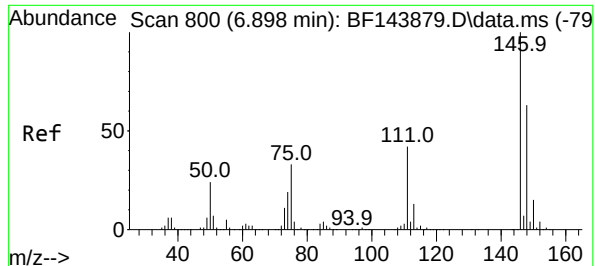
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:146 Resp: 100630
Ion Ratio Lower Upper
146 100
148 59.3 51.0 76.4
75 30.4 24.9 37.3





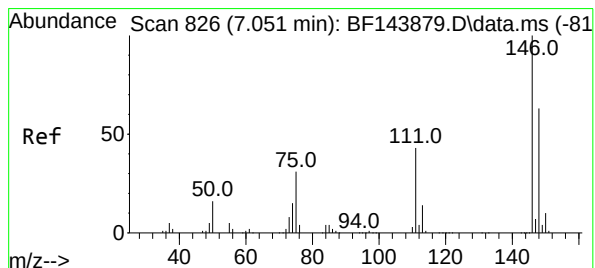
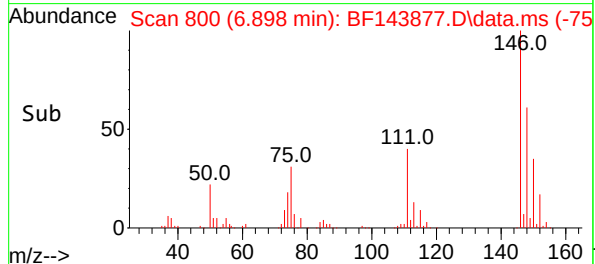
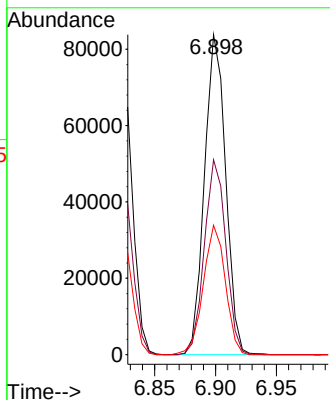
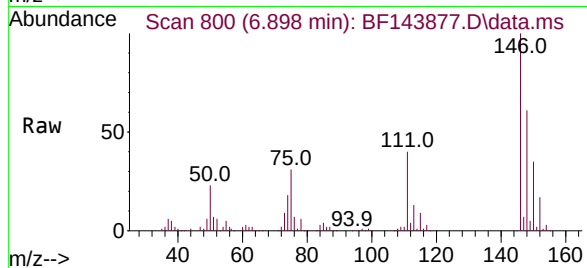
#13
1,4-Dichlorobenzene
Concen: 11.046 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 101588
Ion Ratio Lower Upper
146 100
148 60.9 50.5 75.7
111 40.4 33.4 50.0

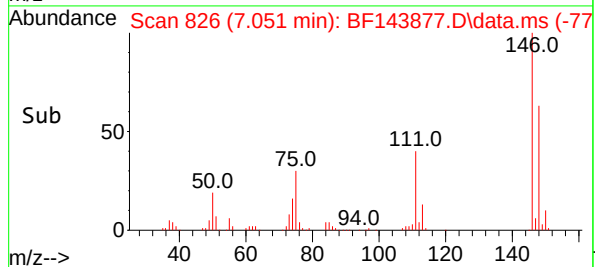
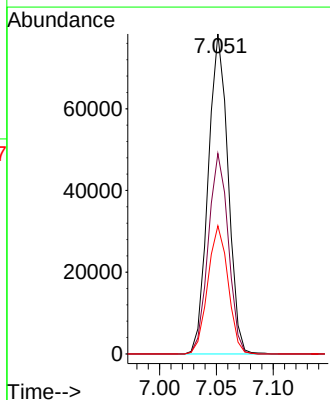
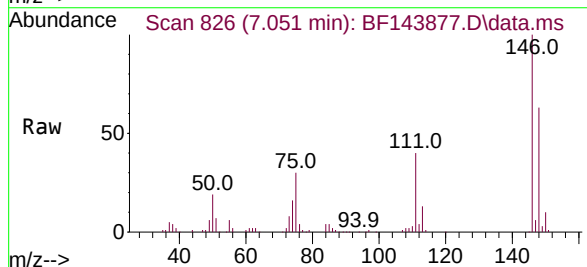
Manual Integrations
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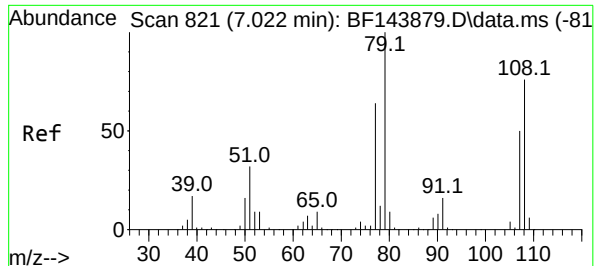
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:146 Resp: 95345
Ion Ratio Lower Upper
146 100
148 62.6 50.6 75.8
111 40.0 34.6 51.8





#15

Benzyl Alcohol

Concen: 9.943 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 70756

Ion Ratio Lower Upper

79 100

108 75.1 60.8 91.2

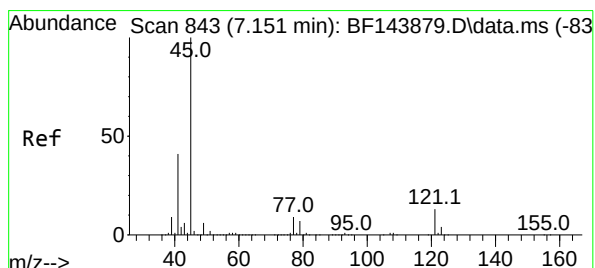
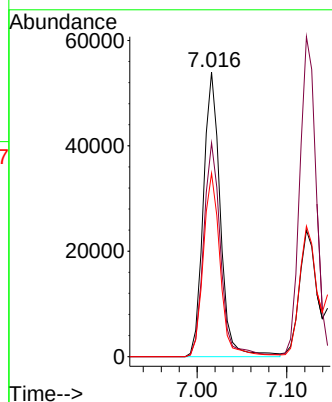
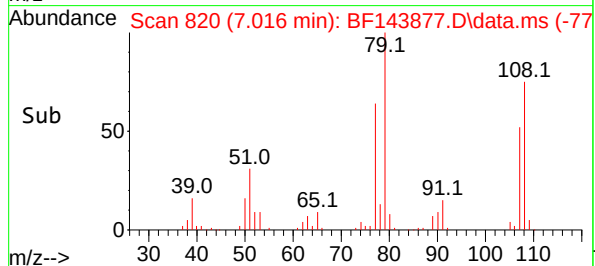
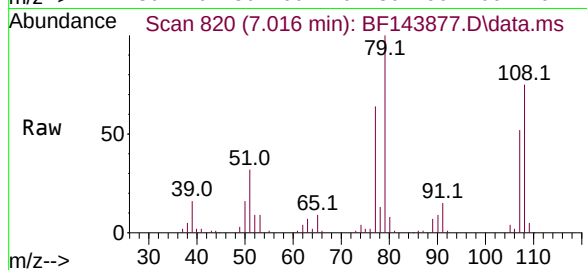
77 64.5 51.0 76.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.728 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

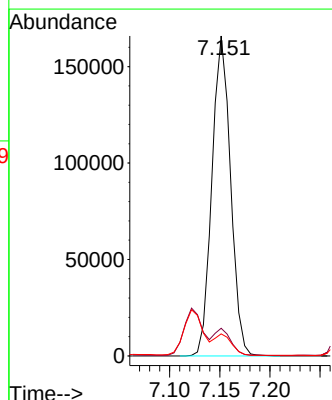
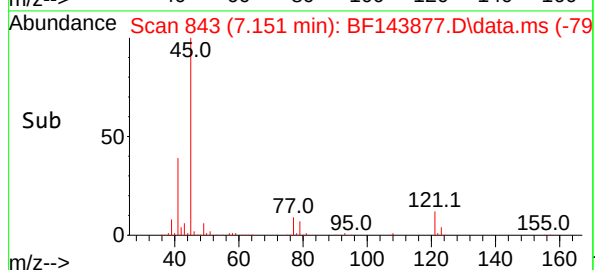
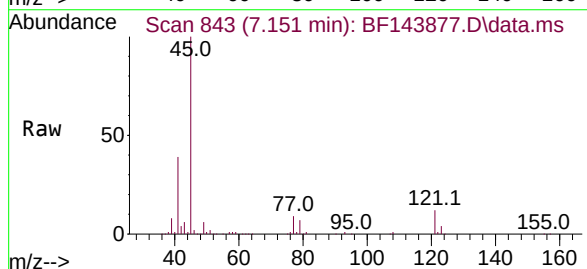
Tgt Ion: 45 Resp: 214183

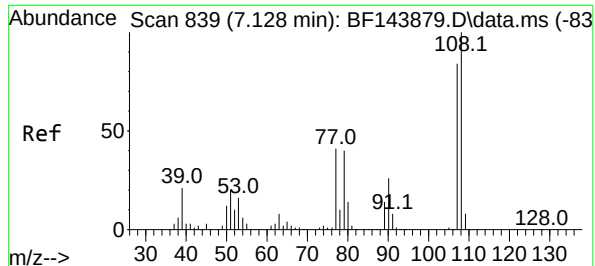
Ion Ratio Lower Upper

45 100

77 8.6 0.0 29.0

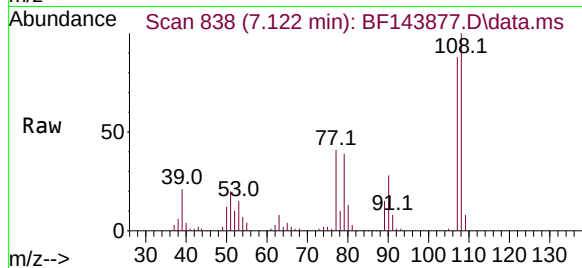
79 6.9 0.0 26.8





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

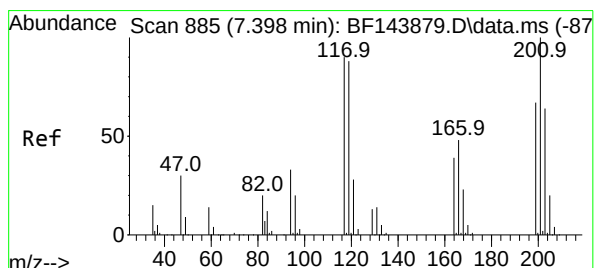
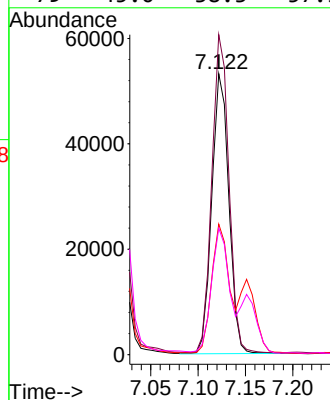
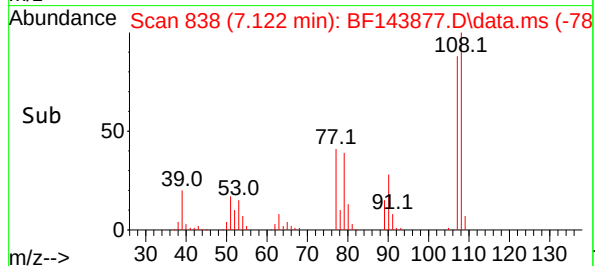
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



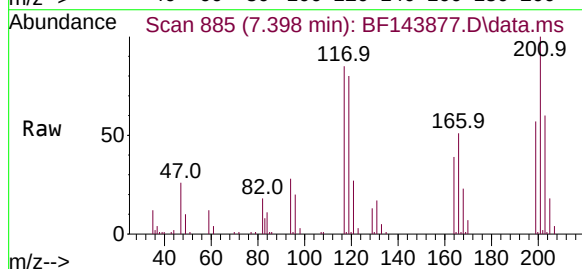
Tgt Ion:107 Resp: 66872
Ion Ratio Lower Upper
107 100
108 113.9 94.7 142.1
77 46.4 38.8 58.2
79 45.0 38.3 57.5

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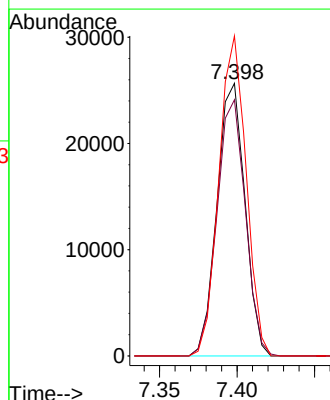
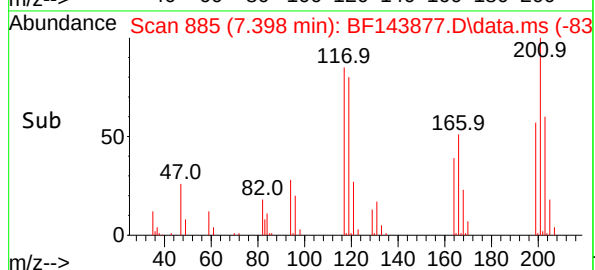
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

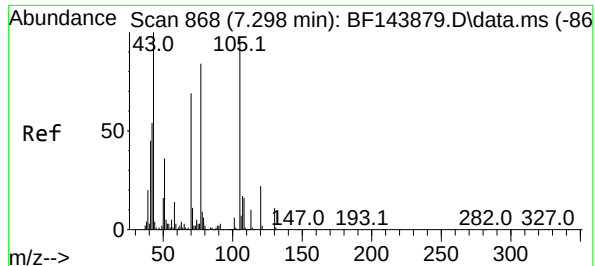


#18
Hexachloroethane
Concen: 10.486 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



Tgt Ion:117 Resp: 32160
Ion Ratio Lower Upper
117 100
119 94.0 77.8 116.8
201 117.4 88.5 132.7





#19

n-Nitroso-di-n-propylamine

Concen: 11.034 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.029 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 7173

Ion Ratio Lower Upper

70 100

42 72.0 62.8 94.2

101 7.5 6.7 10.1

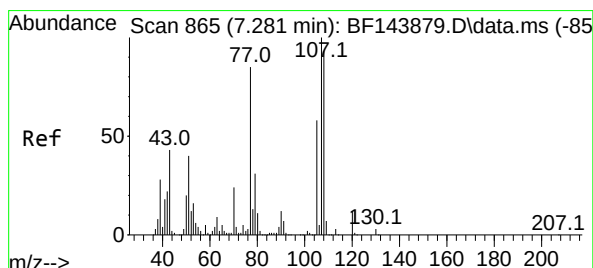
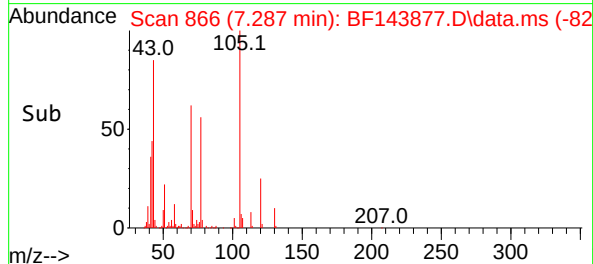
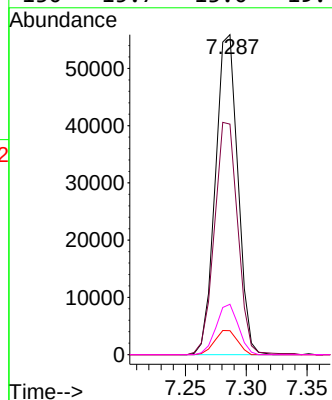
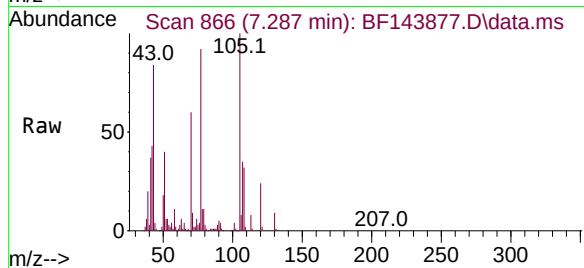
130 15.7 13.0 19.4

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#20

3+4-Methylphenols

Concen: 11.881 ng

RT: 7.275 min Scan# 864

Delta R.T. -0.023 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Tgt Ion:107 Resp: 88634

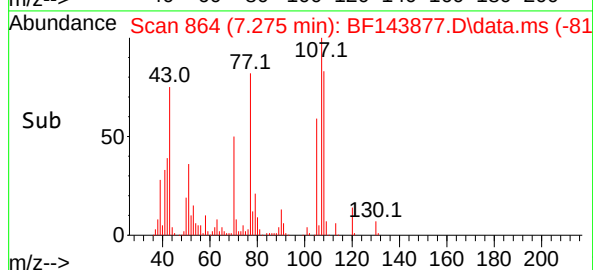
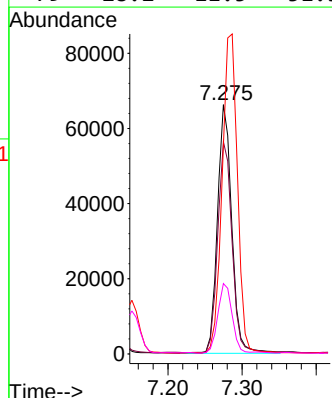
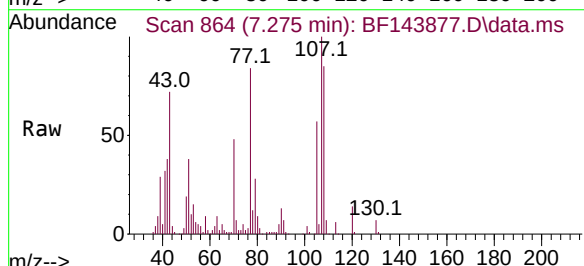
Ion Ratio Lower Upper

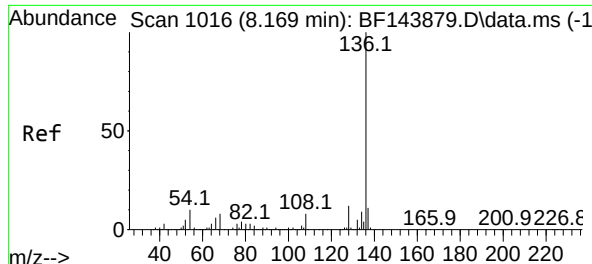
107 100

108 85.2 73.0 113.0

77 83.5 64.6 104.6

79 28.2 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 493548

Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 11.0 8.2 12.4

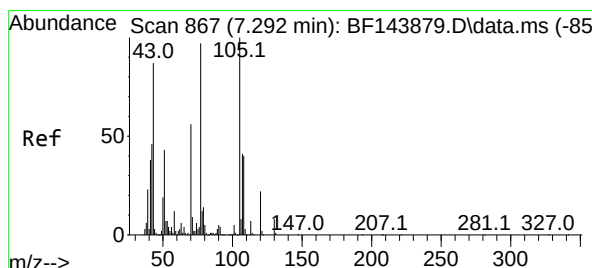
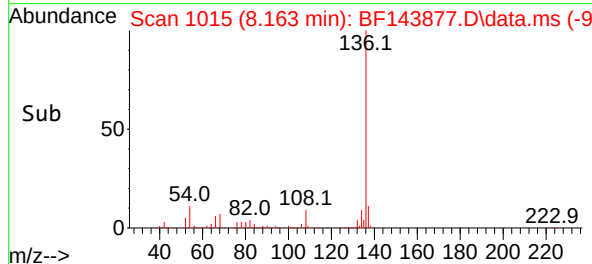
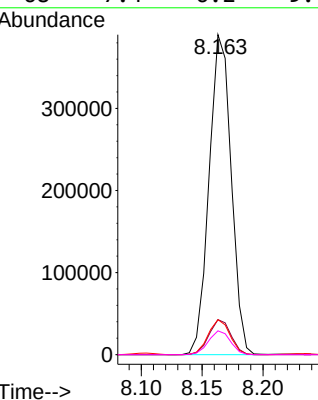
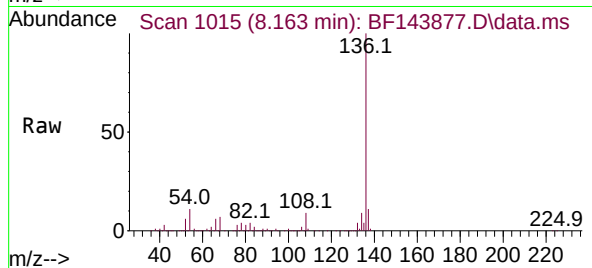
68 7.4 6.2 9.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#22

Acetophenone

Concen: 10.900 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.018 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Tgt Ion:105 Resp: 113751

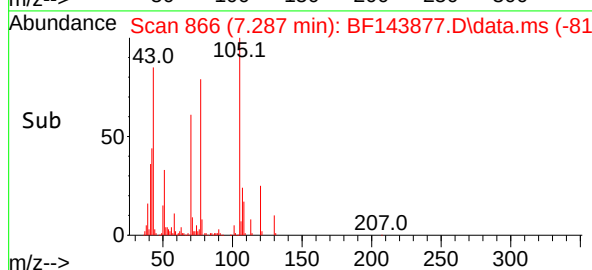
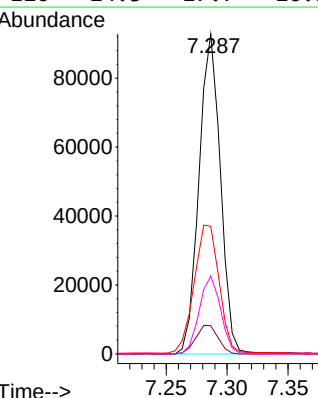
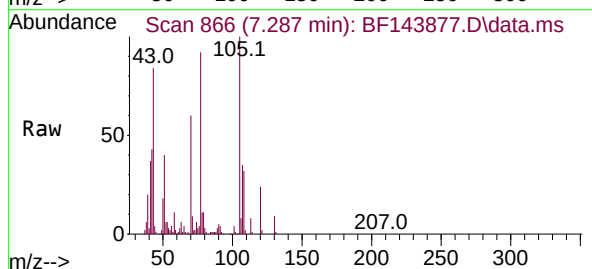
Ion Ratio Lower Upper

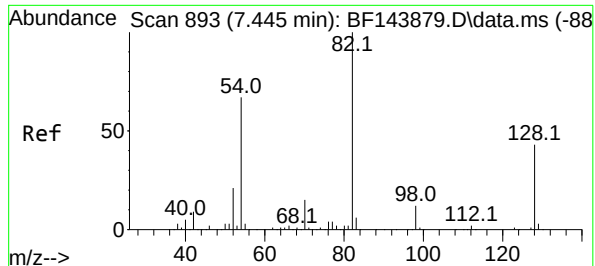
105 100

71 8.8 7.4 11.0

51 39.9 34.2 51.4

120 24.3 17.7 26.5





#23

Nitrobenzene-d5

Concen: 20.204 ng

RT: 7.440 min Scan# 891

Delta R.T. -0.018 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 16412

Ion Ratio Lower Upper

82 100

128 41.3 34.0 51.0

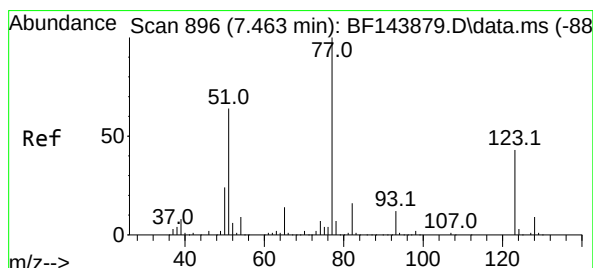
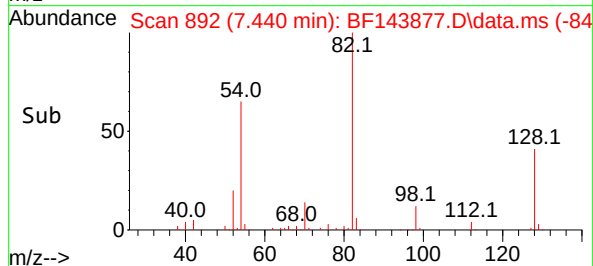
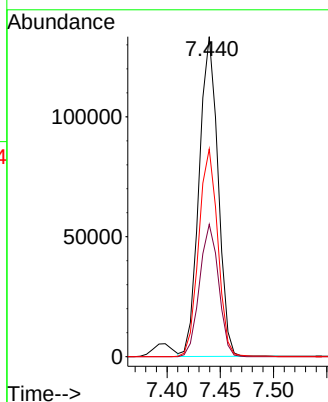
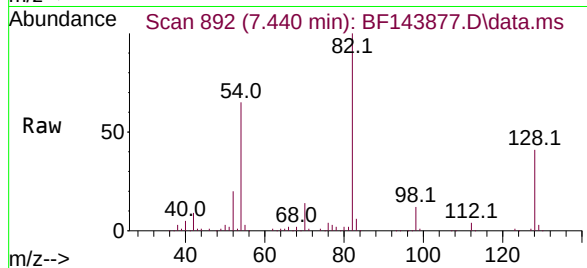
54 64.9 53.2 79.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#24

Nitrobenzene

Concen: 9.558 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

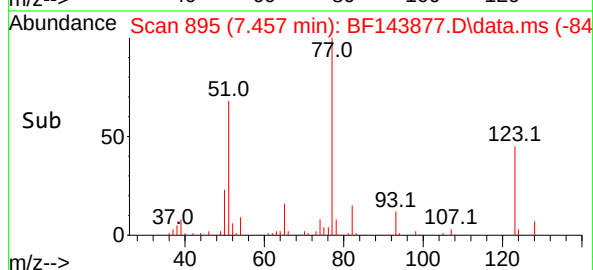
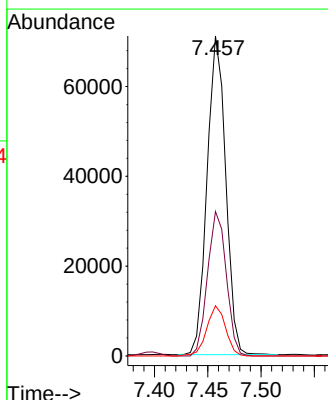
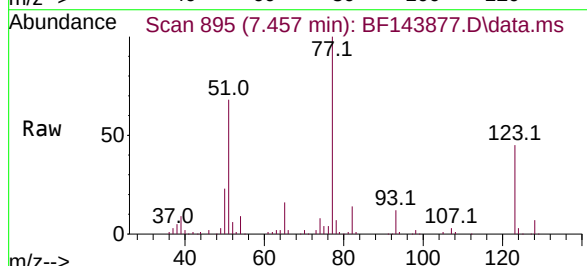
Tgt Ion: 77 Resp: 86228

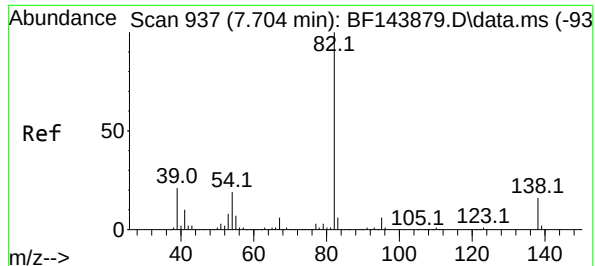
Ion Ratio Lower Upper

77 100

123 45.1 34.2 51.4

65 15.7 11.0 16.6





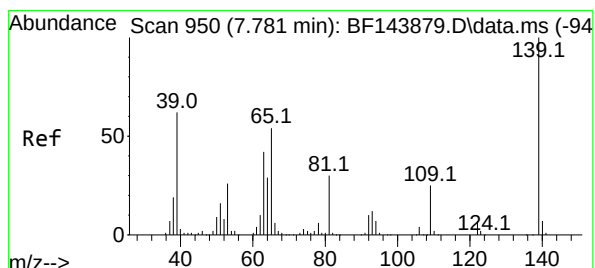
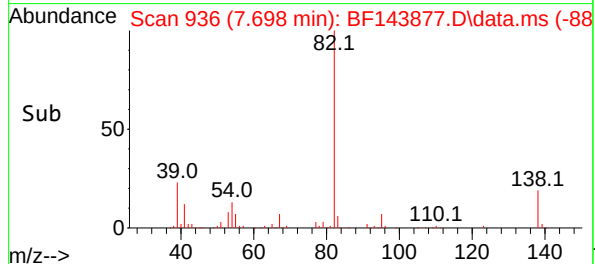
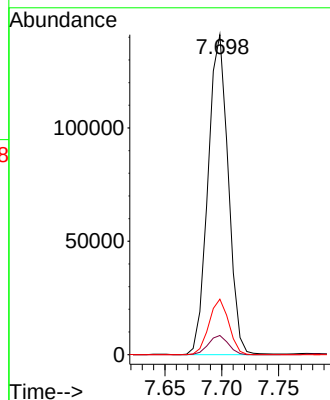
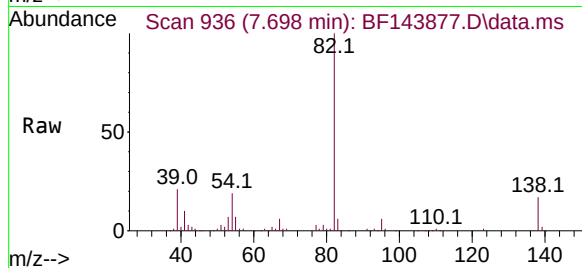
#25
Isophorone
Concen: 10.203 ng
RT: 7.698 min Scan# 937
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
Client SampleId :
SSTDIC010

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

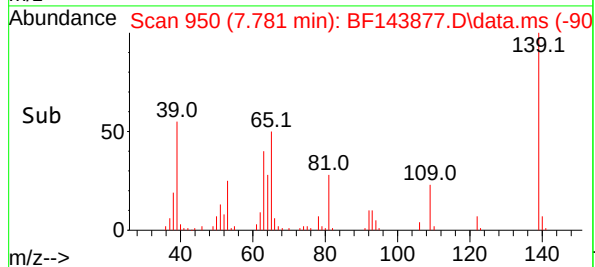
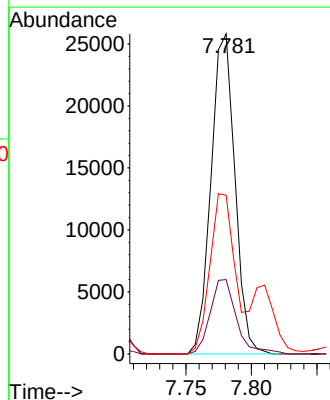
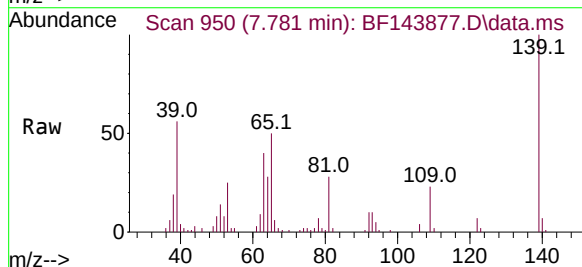
Manual Integrations
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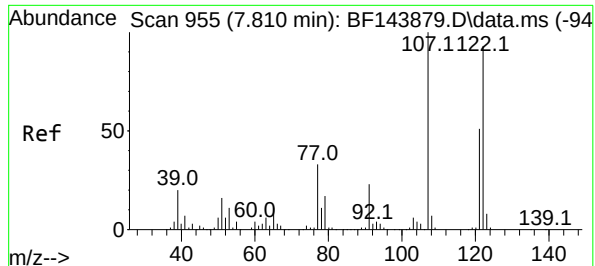
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:139 Resp: 32787
Ion Ratio Lower Upper
139 100
109 23.2 19.8 29.6
65 49.6 42.9 64.3





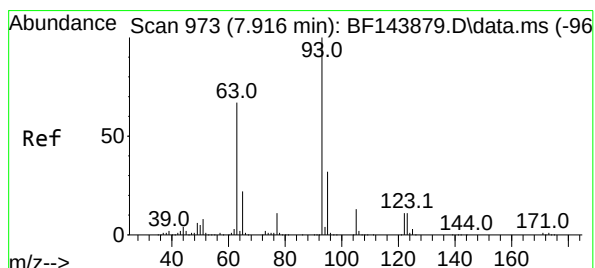
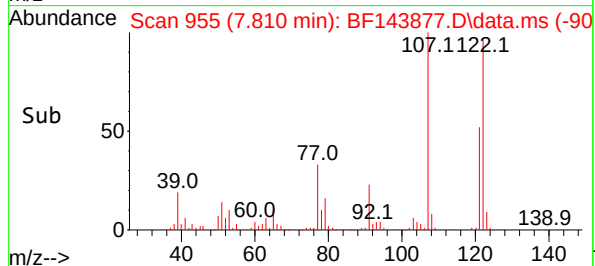
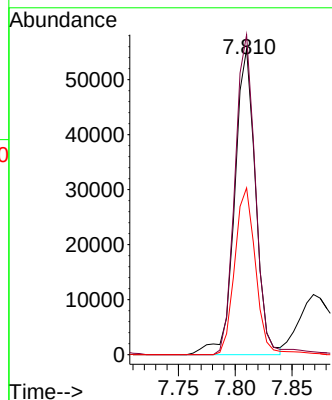
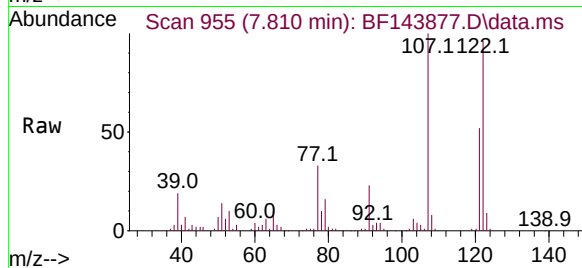
#27
2,4-Dimethylphenol
Concen: 10.199 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

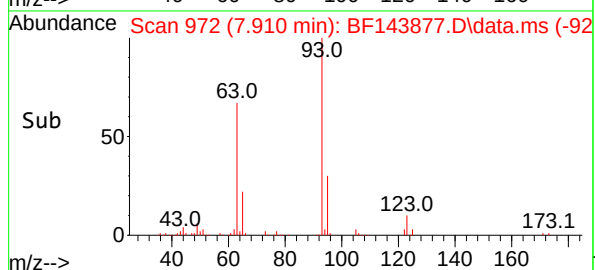
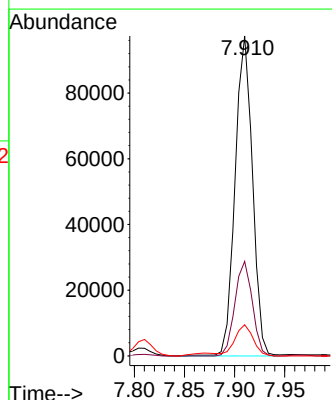
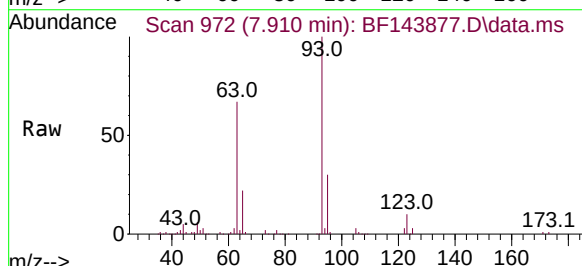
Manual Integrations
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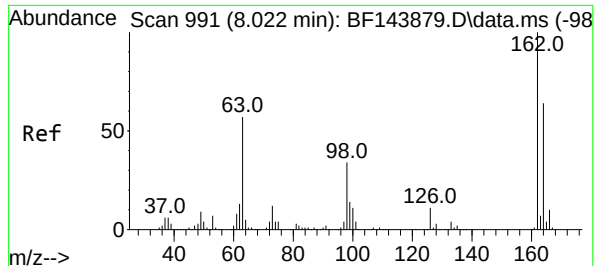
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion: 93 Resp: 116898
Ion Ratio Lower Upper
93 100
95 29.5 25.9 38.9
123 9.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 9.954 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

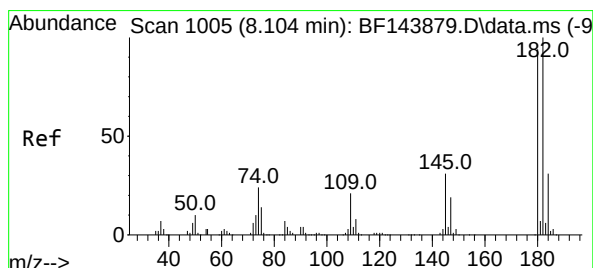
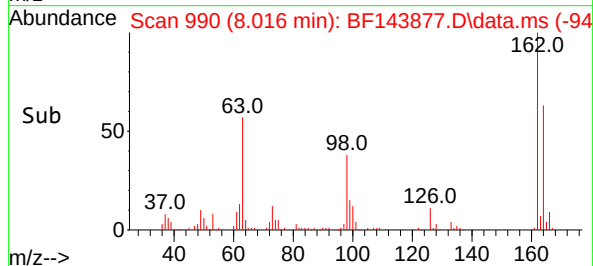
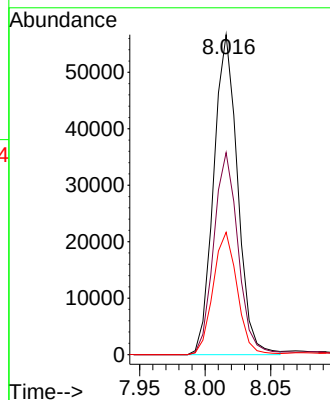
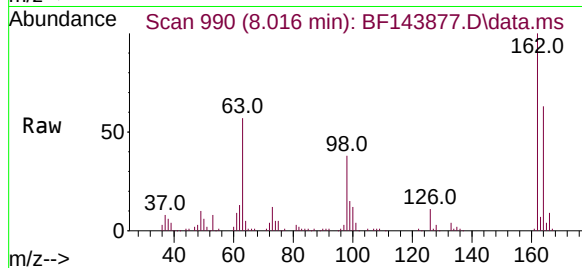
Tgt Ion:162 Resp: 7214

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

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

Supervised By :Jagrut Upadhyay 10/07/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.336 ng

RT: 8.104 min Scan# 1005

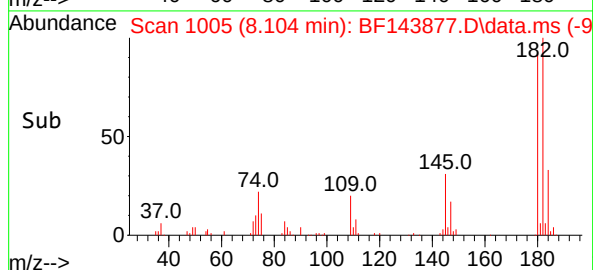
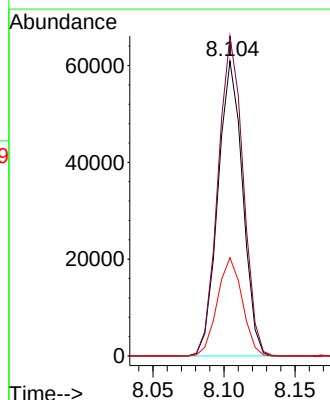
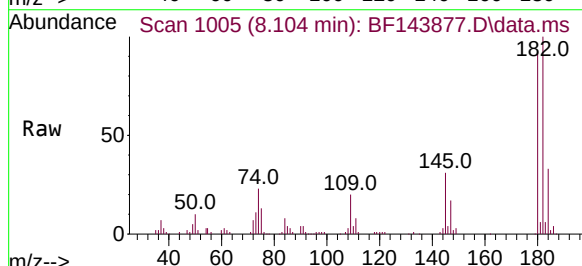
Delta R.T. -0.006 min

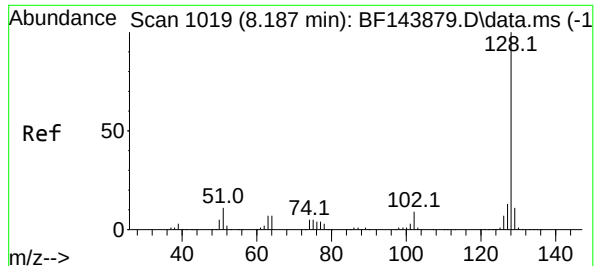
Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Tgt Ion:180 Resp: 73668

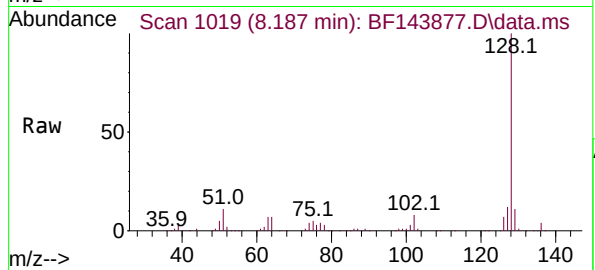
Ion	Ratio	Lower	Upper
180	100		
182	108.6	85.4	128.0
145	33.3	26.3	39.5





#31
Naphthalene
Concen: 10.951 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

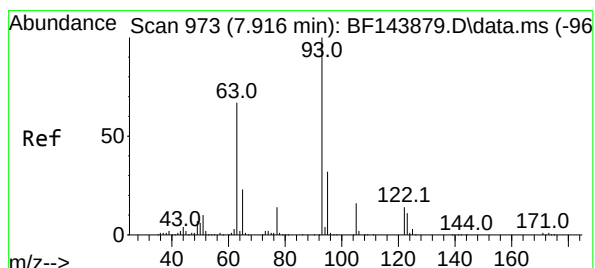
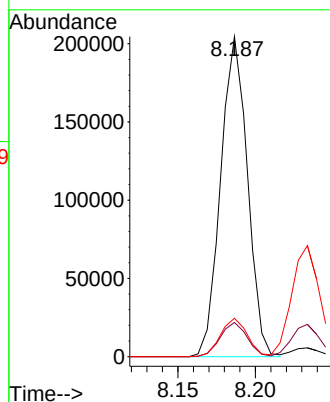
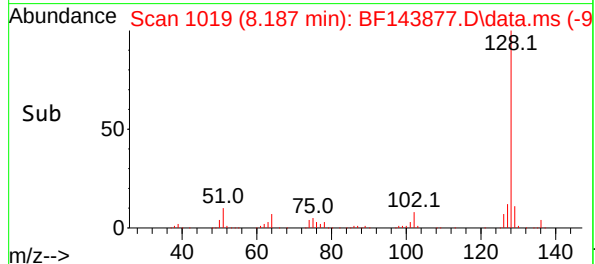
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:128 Resp: 24585
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.0 10.0 15.0

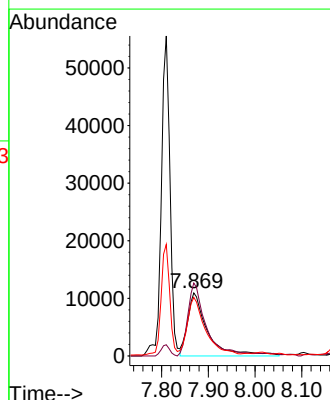
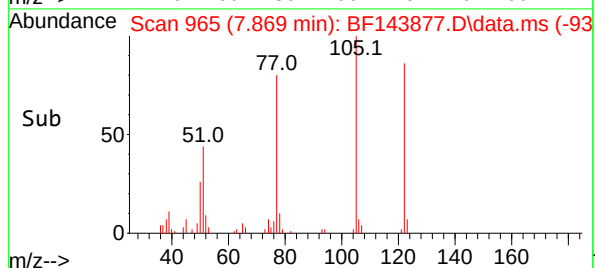
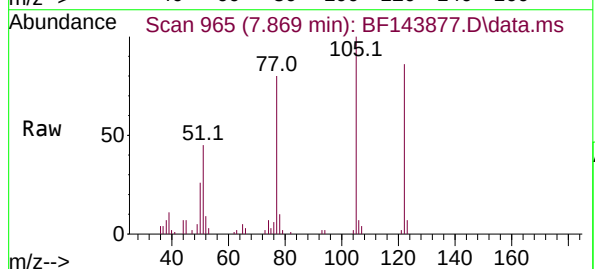
Manual Integrations
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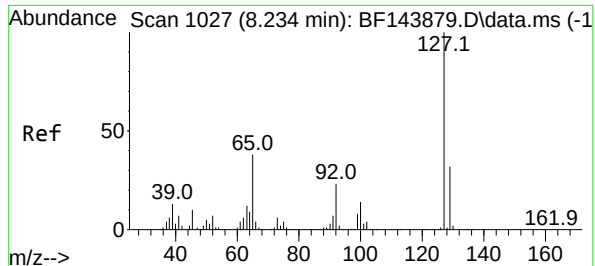
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:122 Resp: 32361
Ion Ratio Lower Upper
122 100
105 115.7 93.5 133.5
77 92.9 76.3 116.3





#33

4-Chloroaniline

Concen: 10.842 ng

RT: 8.234 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

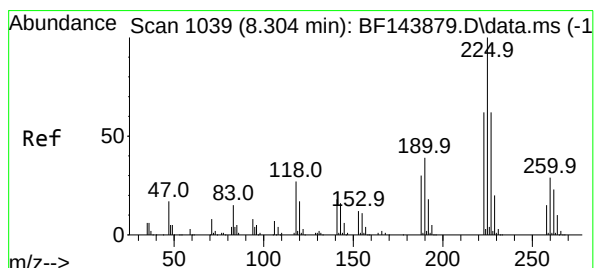
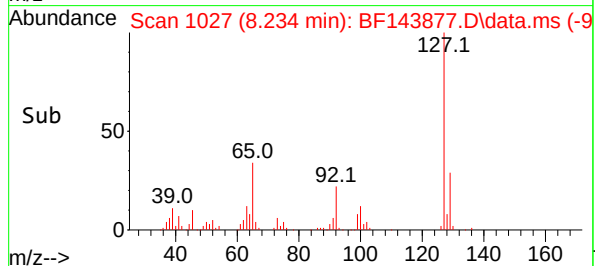
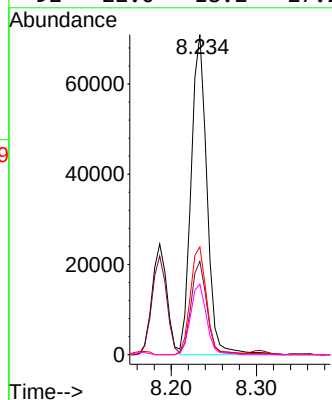
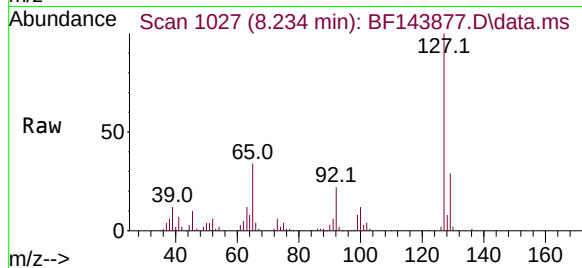
SSTDICC010

Tgt Ion:	127	Resp:	91294
Ion	Ratio	Lower	Upper
127	100		
129	29.1	25.8	38.8
65	33.7	30.0	45.0
92	22.0	18.2	27.2

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

Supervised By :Jagrut Upadhyay 10/07/2025



#34

Hexachlorobutadiene

Concen: 10.665 ng

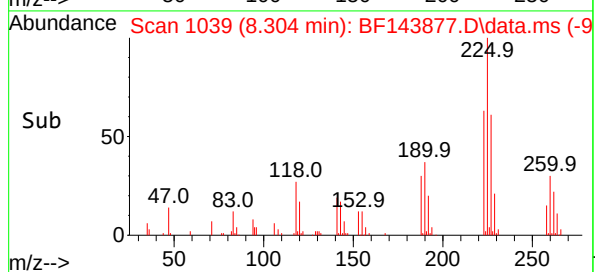
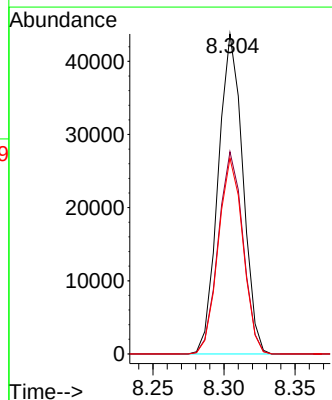
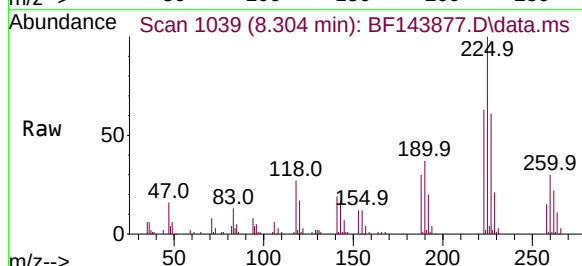
RT: 8.304 min Scan# 1039

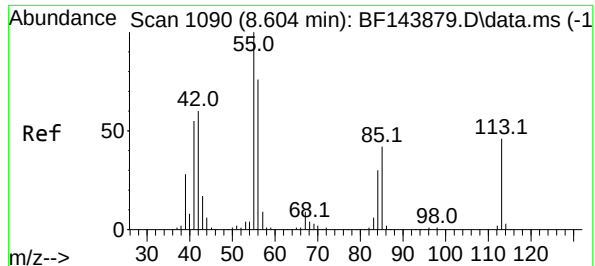
Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Tgt Ion:	225	Resp:	52824
Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.4	74.2
227	61.1	49.7	74.5





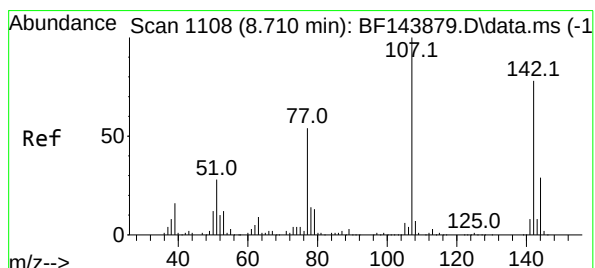
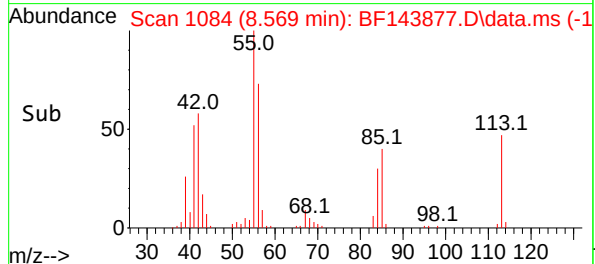
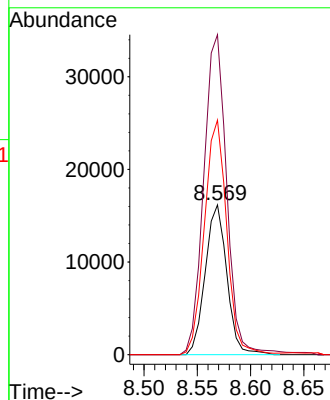
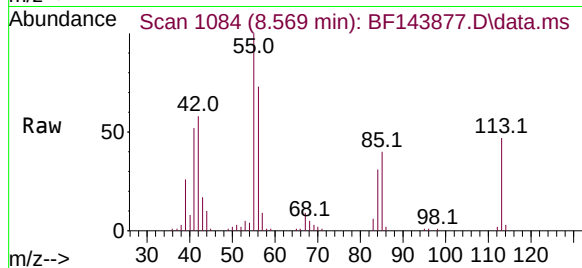
#35
Caprolactam
Concen: 9.900 ng
RT: 8.569 min Scan# 1084
Delta R.T. -0.076 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

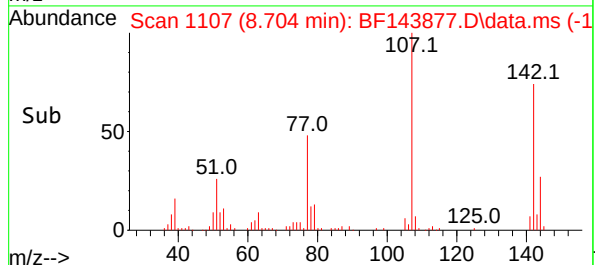
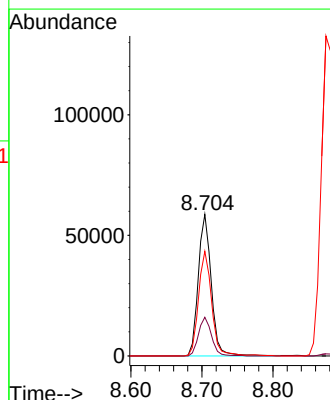
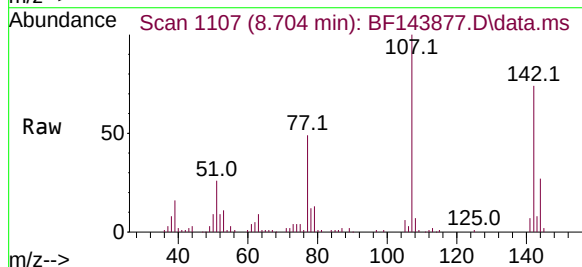
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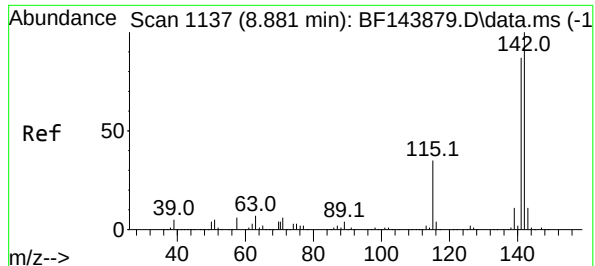
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:107 Resp: 74546
Ion Ratio Lower Upper
107 100
144 27.3 23.1 34.7
142 74.0 62.6 94.0





#37

2-Methylnaphthalene

Concen: 11.272 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:142 Resp: 16858

Ion Ratio Lower Upper

142 100

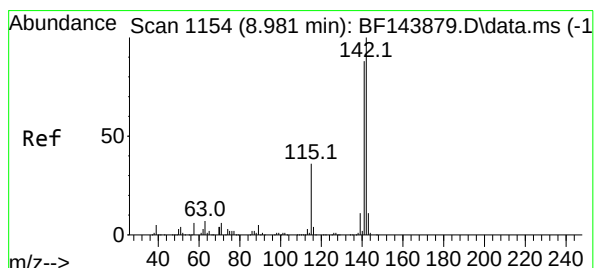
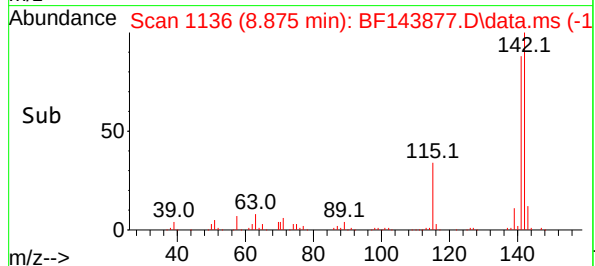
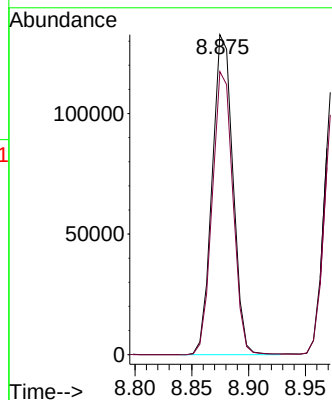
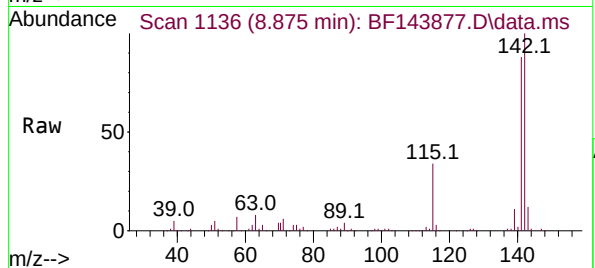
141 88.4 69.2 103.8

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Supervised By :Jagrut Upadhyay 10/07/2025



#38

1-Methylnaphthalene

Concen: 11.160 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.011 min

Lab File: BF143877.D

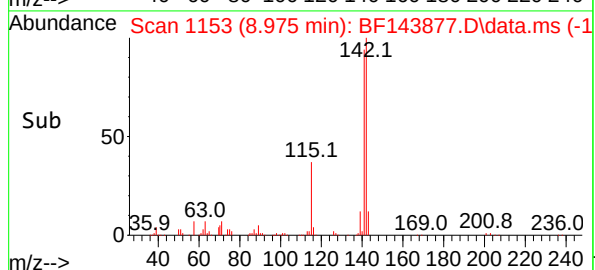
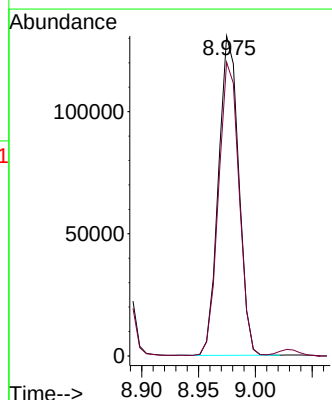
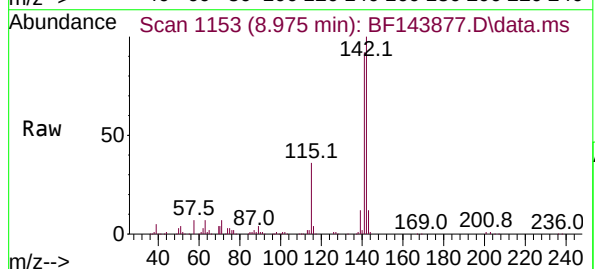
Acq: 06 Oct 2025 10:57

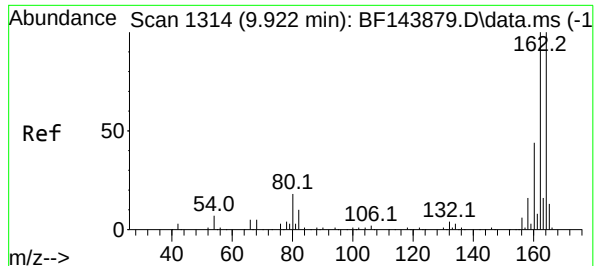
Tgt Ion:142 Resp: 161895

Ion Ratio Lower Upper

142 100

141 91.8 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143877.D

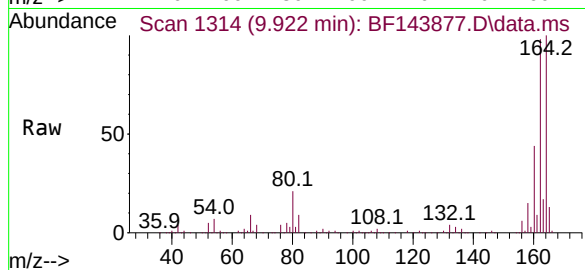
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 28382

Ion Ratio Lower Upper

164 100

162 97.5 80.2 120.2

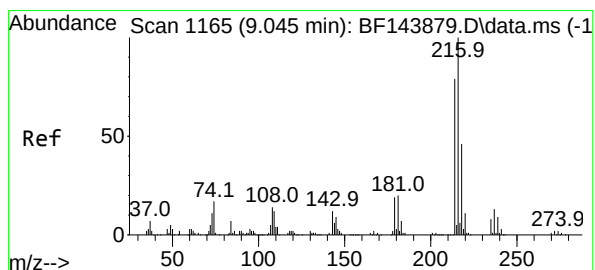
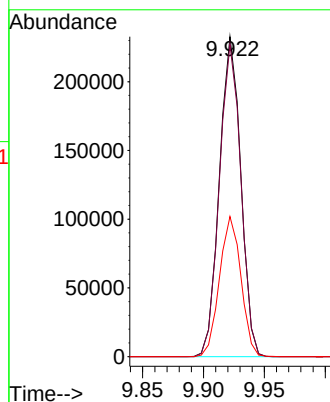
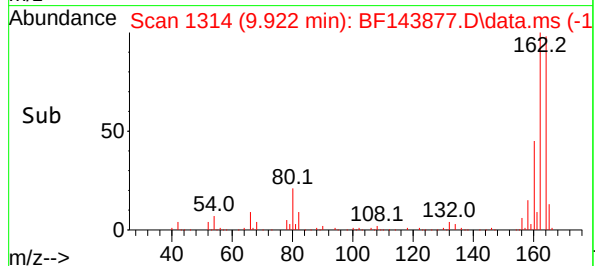
160 43.8 35.4 53.0

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Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

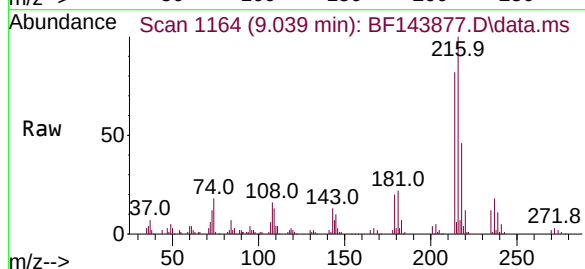
Concen: 10.705 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57



Tgt Ion:216 Resp: 83972

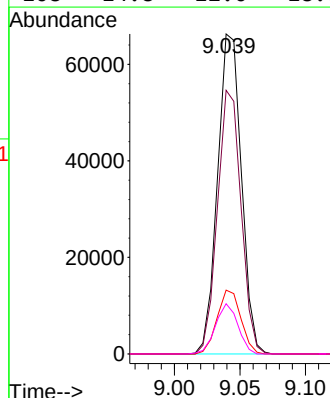
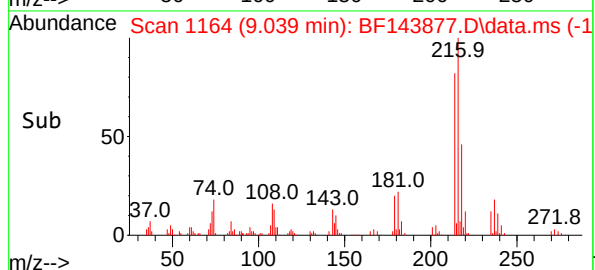
Ion Ratio Lower Upper

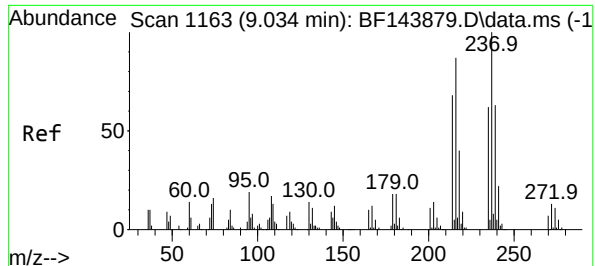
216 100

214 81.4 62.6 94.0

179 19.8 15.4 23.0

108 14.8 12.0 18.0





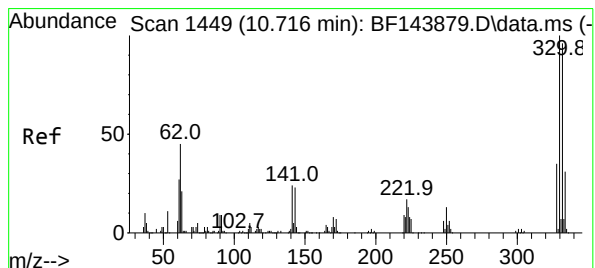
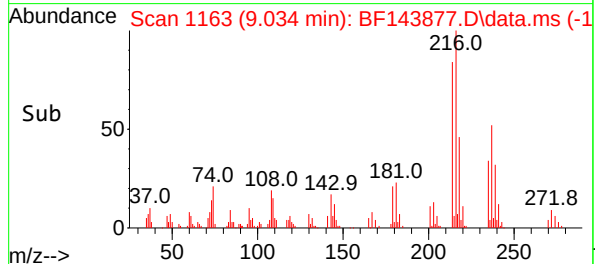
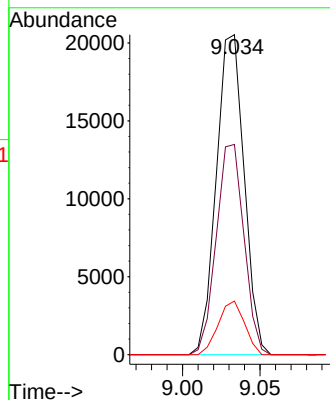
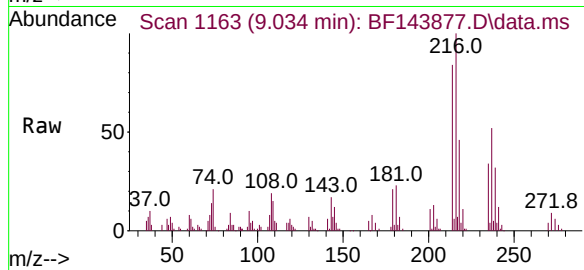
#41
Hexachlorocyclopentadiene
Concen: 7.932 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 25812
Ion Ratio Lower Upper
237 100
235 65.7 42.3 82.3
272 16.7 0.0 33.1

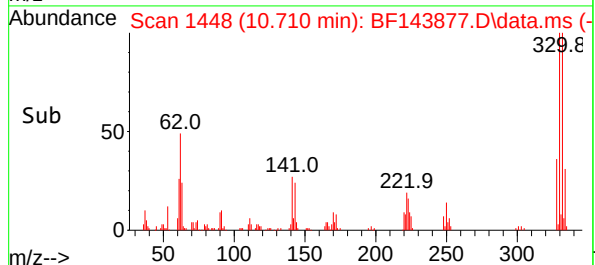
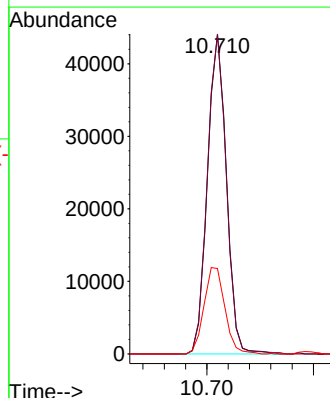
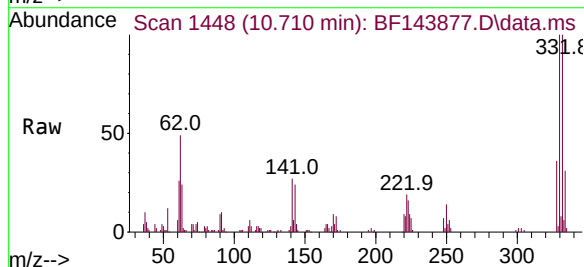
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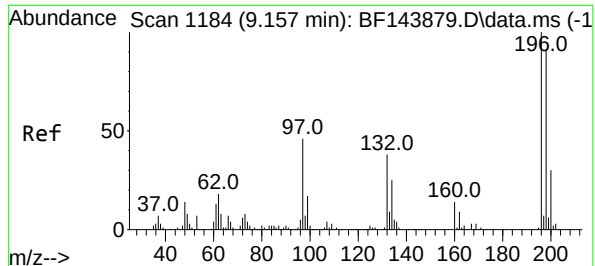
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:330 Resp: 54453
Ion Ratio Lower Upper
330 100
332 100.2 76.9 115.3
141 29.7 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 9.758 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

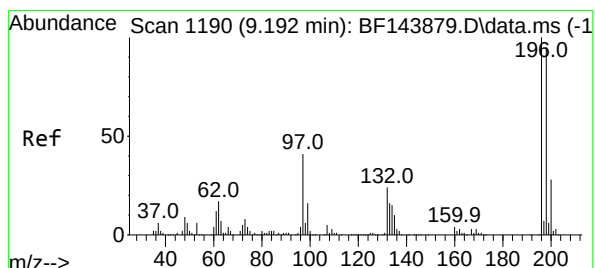
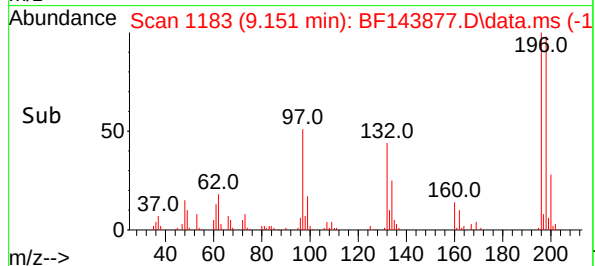
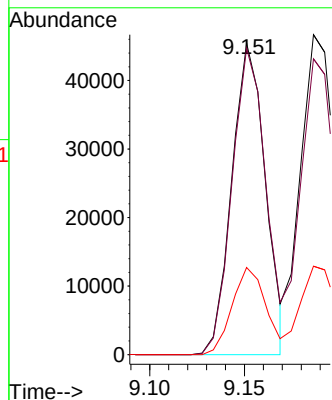
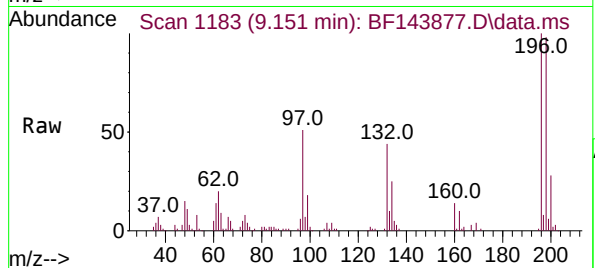
Tgt Ion:	196	Resp:	55929
Ion Ratio	Lower	Upper	
196	100		
198	98.4	72.8	109.2
200	28.0	24.0	36.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/07/2025



#44

2,4,5-Trichlorophenol

Concen: 10.407 ng

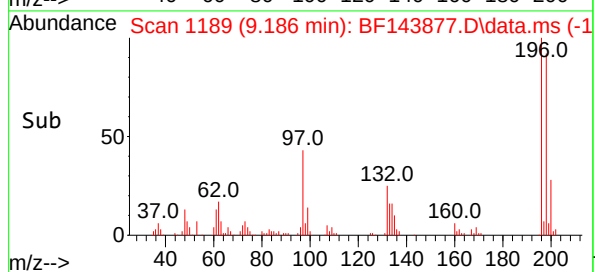
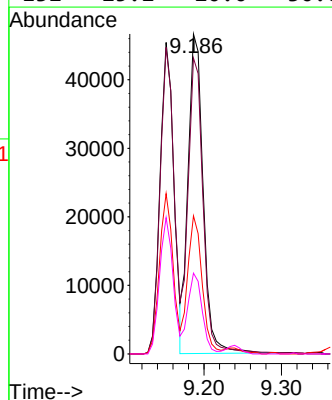
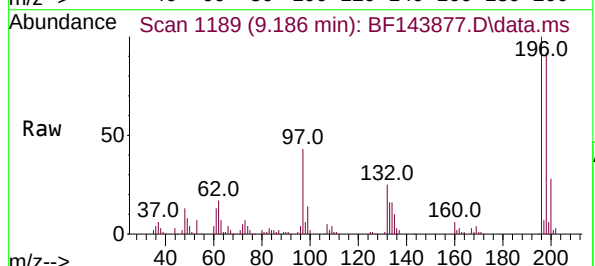
RT: 9.186 min Scan# 1189

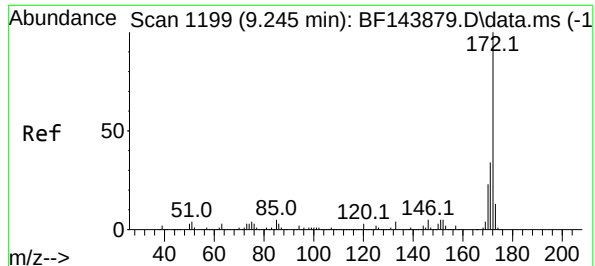
Delta R.T. -0.018 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Tgt Ion:	196	Resp:	63036
Ion Ratio	Lower	Upper	
196	100		
198	92.4	75.5	113.3
97	43.1	33.9	50.9
132	25.2	20.0	30.0





#45

2-Fluorobiphenyl

Concen: 22.595 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:172 Resp: 404164

Ion Ratio Lower Upper

172 100

171 34.3 27.4 41.0

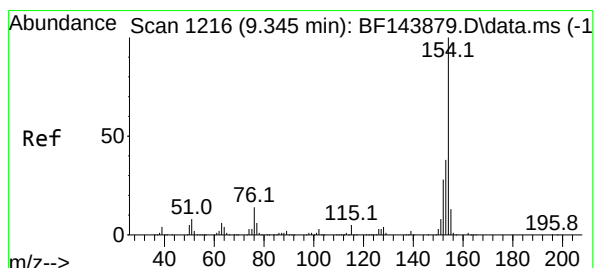
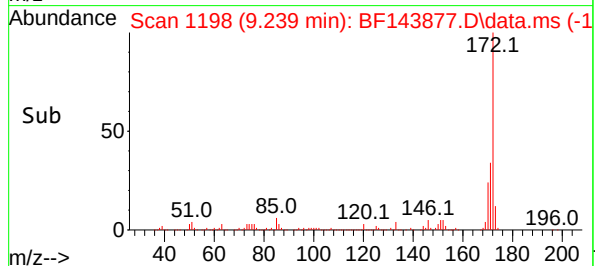
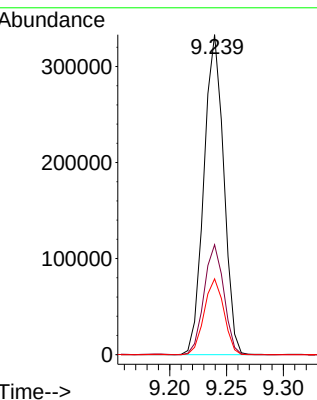
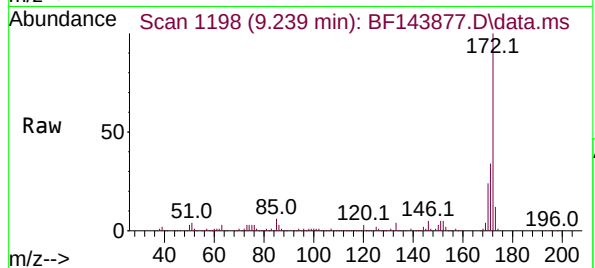
170 23.7 18.6 28.0

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Supervised By :Jagrut Upadhyay 10/07/2025



#46

1,1'-Biphenyl

Concen: 11.150 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

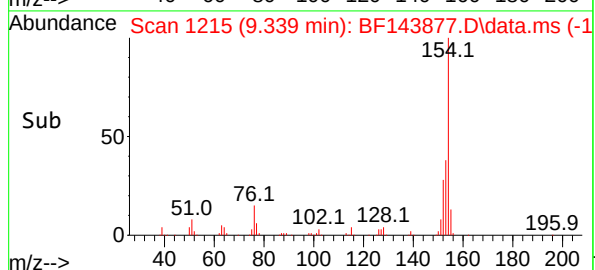
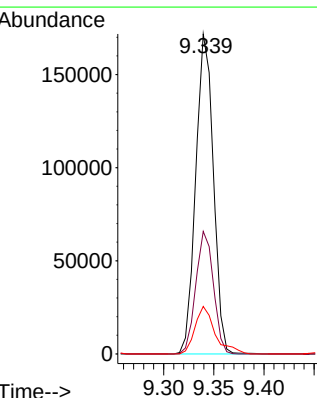
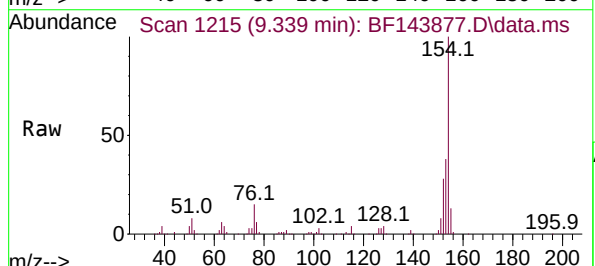
Tgt Ion:154 Resp: 209528

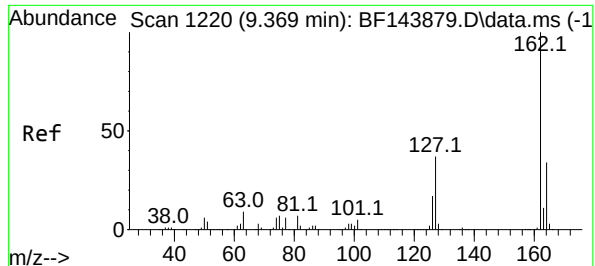
Ion Ratio Lower Upper

154 100

153 38.3 18.4 58.4

76 14.8 0.0 34.0





#47

2-Chloronaphthalene

Concen: 10.829 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.012 min

Lab File: BF143877.D

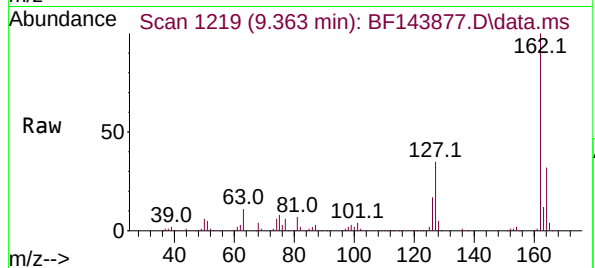
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



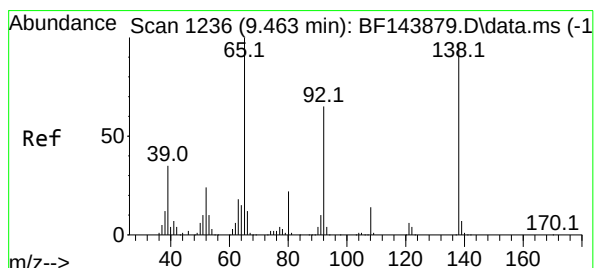
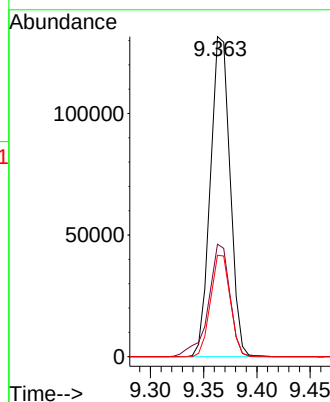
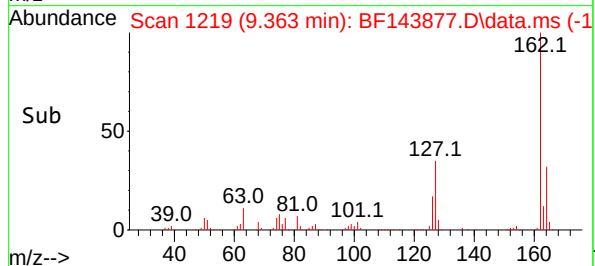
Tgt Ion:	162	Resp:	169672
Ion Ratio	Lower	Upper	
162	100		
127	35.1	30.2	45.2
164	31.7	26.9	40.3

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Supervised By :Jagrut Upadhyay 10/07/2025



#48

2-Nitroaniline

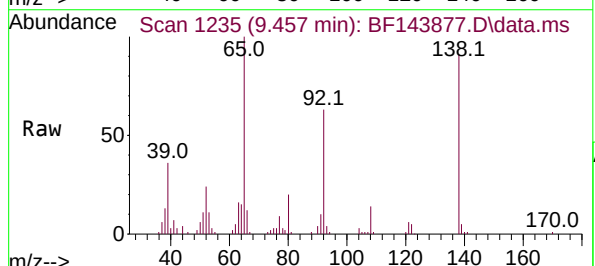
Concen: 9.219 ng

RT: 9.457 min Scan# 1235

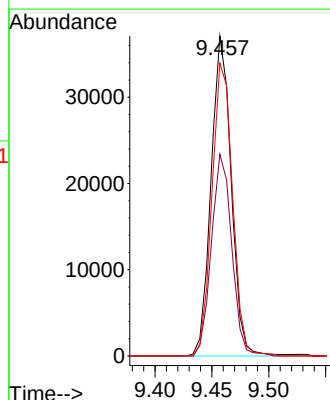
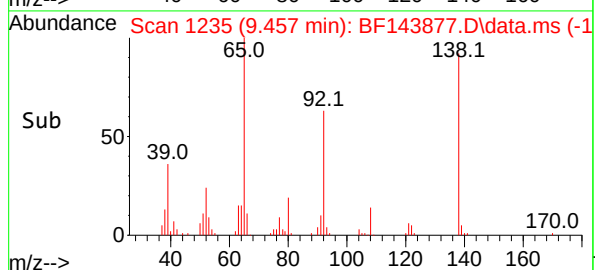
Delta R.T. -0.012 min

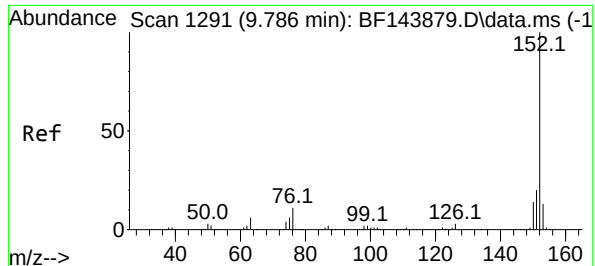
Lab File: BF143877.D

Acq: 06 Oct 2025 10:57



Tgt Ion:	65	Resp:	45663
Ion Ratio	Lower	Upper	
65	100		
92	63.0	52.1	78.1
138	91.5	77.4	116.2





#49

Acenaphthylene

Concen: 10.962 ng

RT: 9.781 min Scan# 1290

Delta R.T. -0.006 min

Lab File: BF143877.D

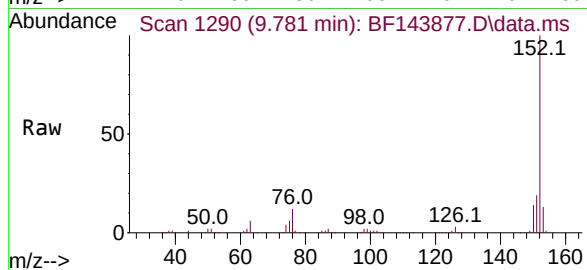
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



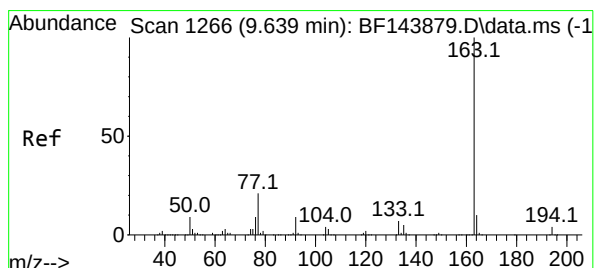
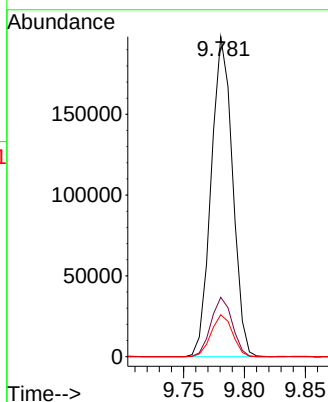
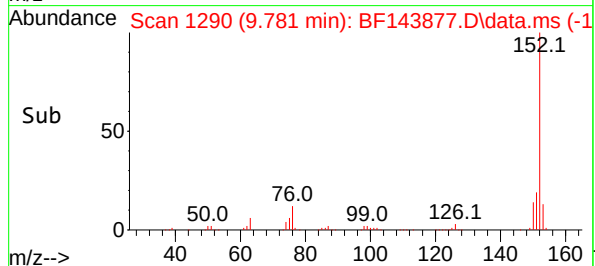
Tgt Ion:	152	Resp:	241454
Ion Ratio	Lower	Upper	
152	100		
151	18.5	15.8	23.6
153	13.1	10.5	15.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/07/2025



#50

Dimethylphthalate

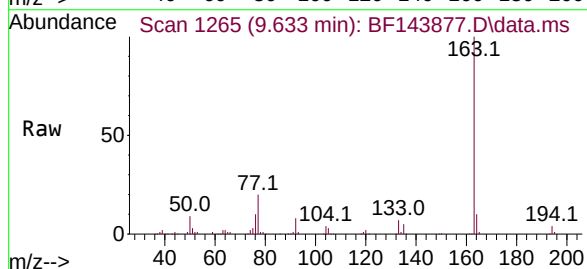
Concen: 10.638 ng

RT: 9.633 min Scan# 1265

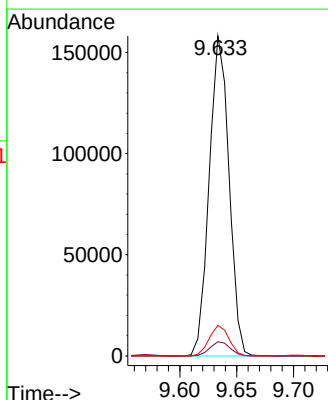
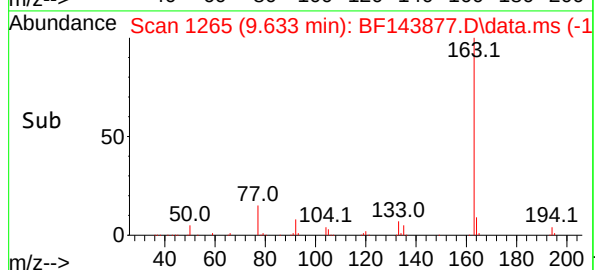
Delta R.T. -0.012 min

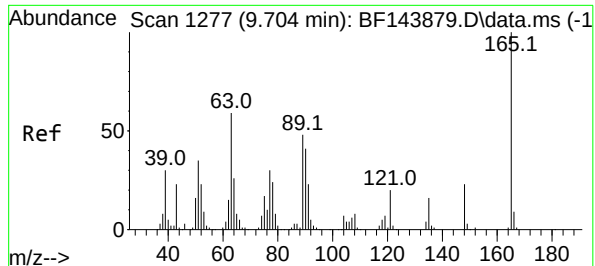
Lab File: BF143877.D

Acq: 06 Oct 2025 10:57



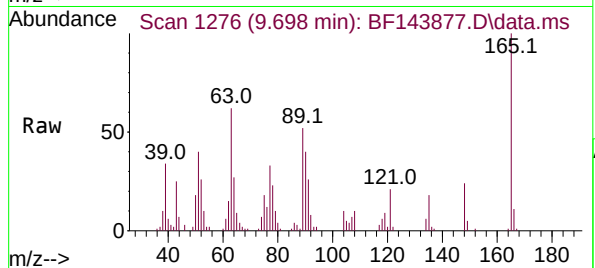
Tgt Ion:	163	Resp:	191729
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.3	4.9
164	9.5	8.1	12.1





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

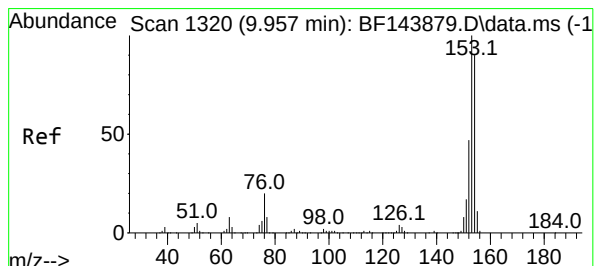
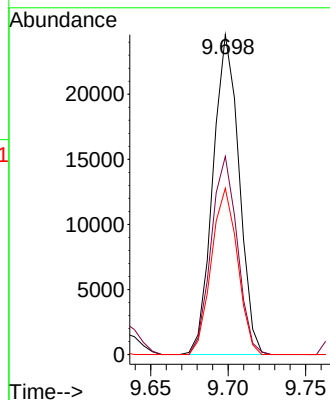
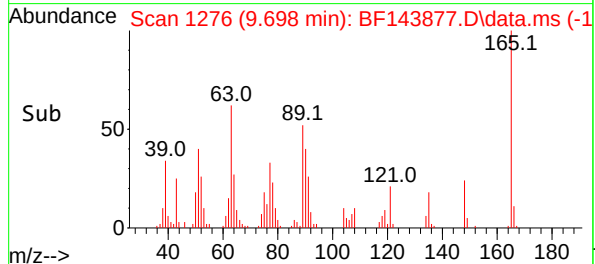
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

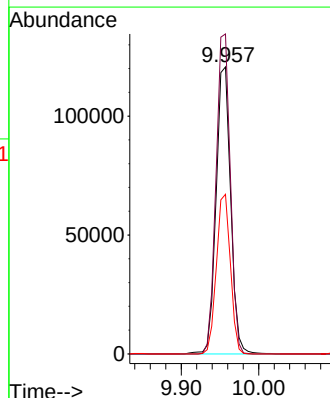
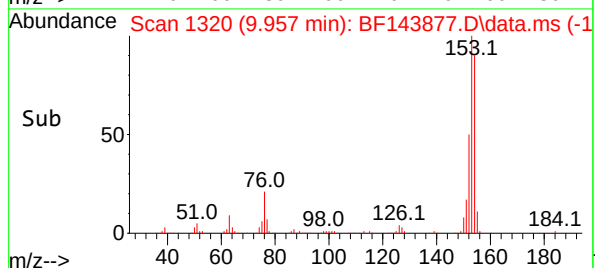
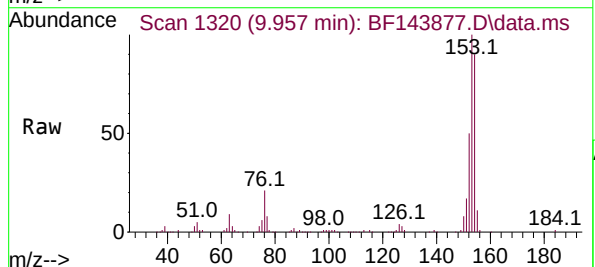
Manual Integrations
APPROVED

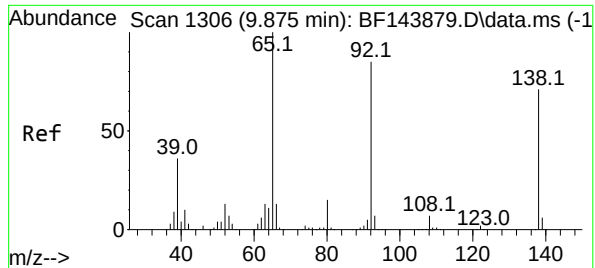
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

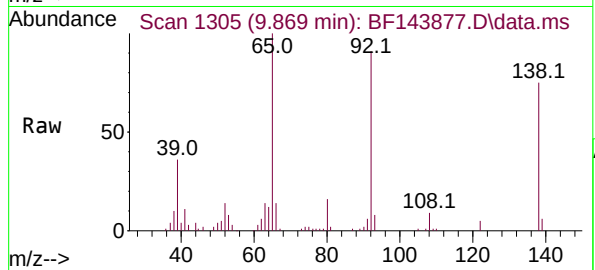
Tgt Ion:154 Resp: 158214
Ion Ratio Lower Upper
154 100
153 111.5 89.3 133.9
152 55.6 42.2 63.2





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

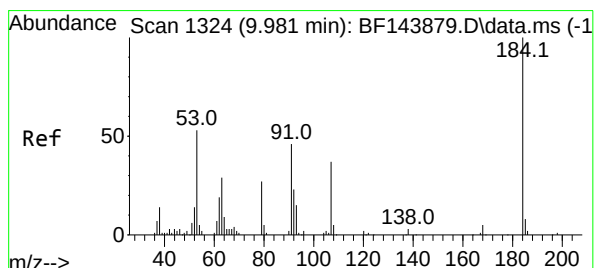
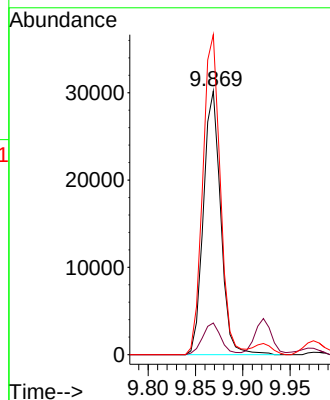
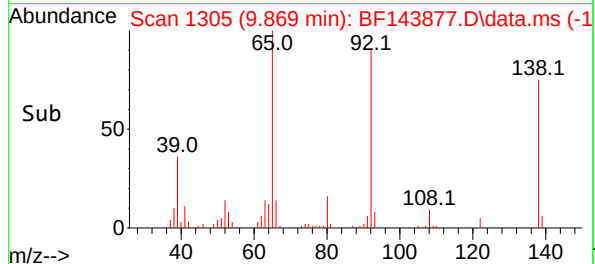
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

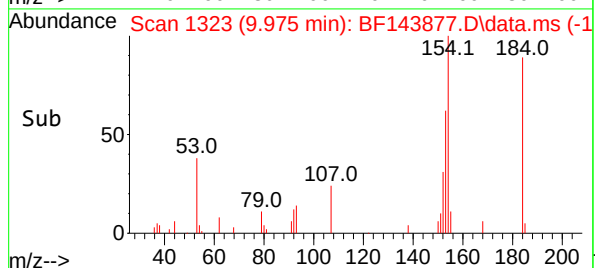
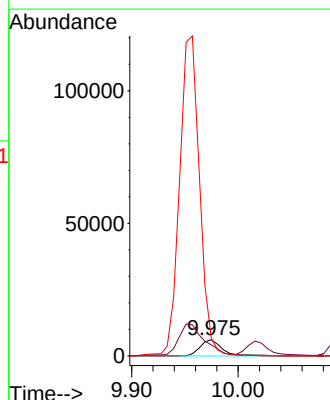
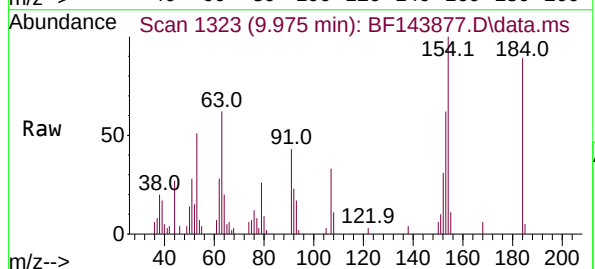
Manual Integrations
APPROVED

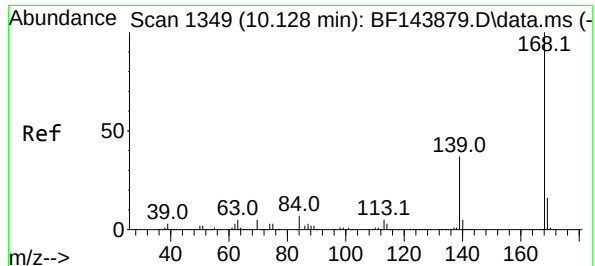
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:184 Resp: 8624
Ion Ratio Lower Upper
184 100
63 69.4 48.2 72.4
154 112.7 49.2 73.8#





#55

Dibenzofuran

Concen: 11.199 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:168 Resp: 228160

Ion Ratio Lower Upper

168 100

139 35.0 29.8 44.8

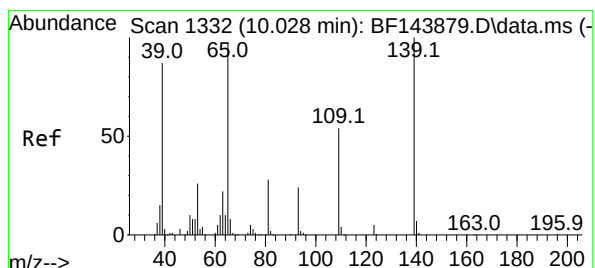
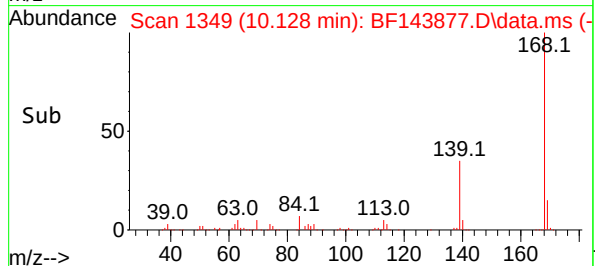
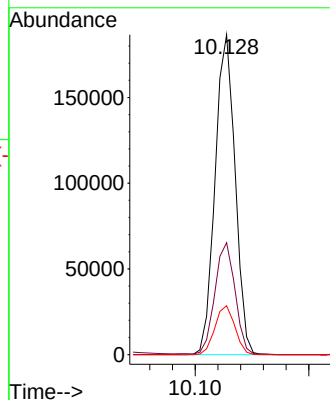
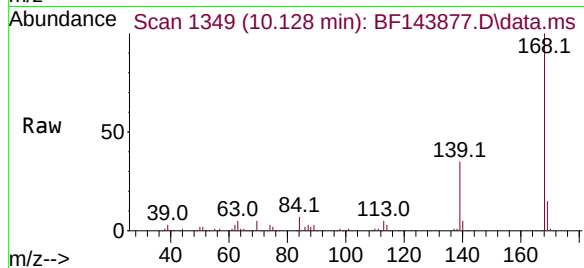
169 15.3 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#56

4-Nitrophenol

Concen: 7.934 ng

RT: 10.016 min Scan# 1330

Delta R.T. -0.023 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

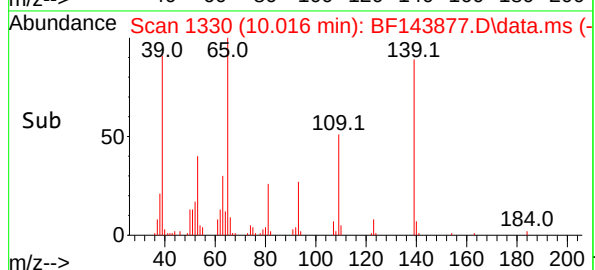
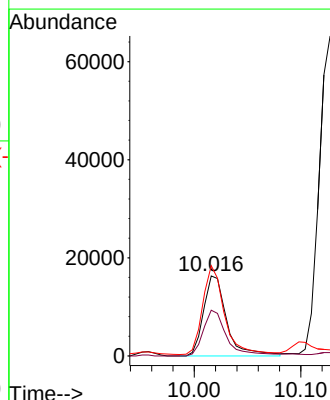
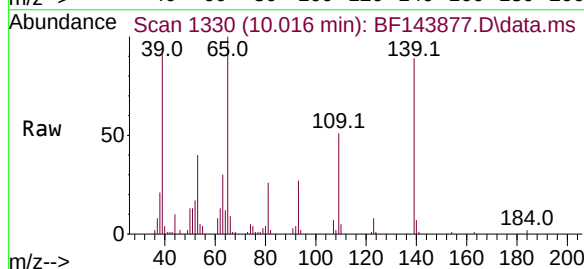
Tgt Ion:139 Resp: 24585

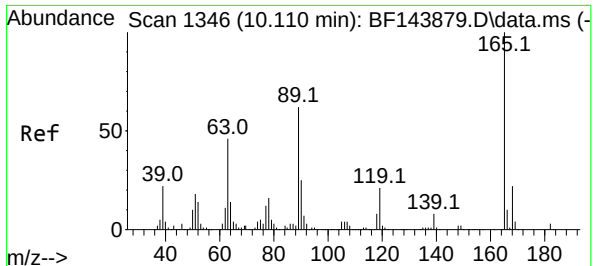
Ion Ratio Lower Upper

139 100

109 57.1 34.5 74.5

65 112.8 77.6 117.6





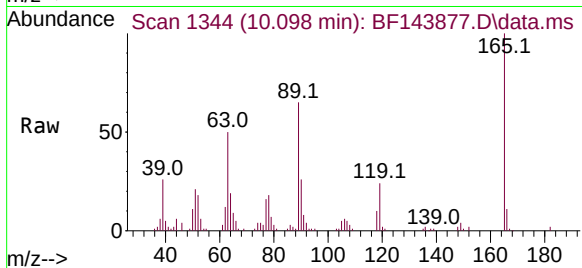
#57
2,4-Dinitrotoluene
Concen: 8.862 ng
RT: 10.098 min Scan# 1346
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



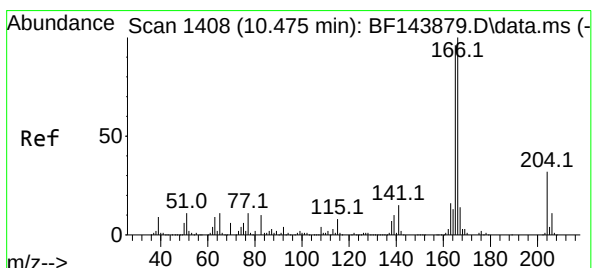
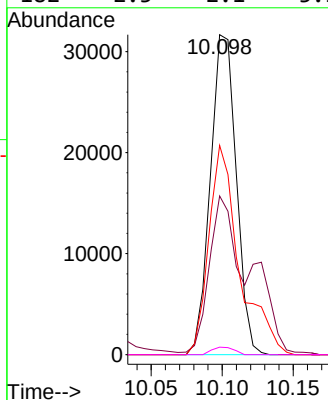
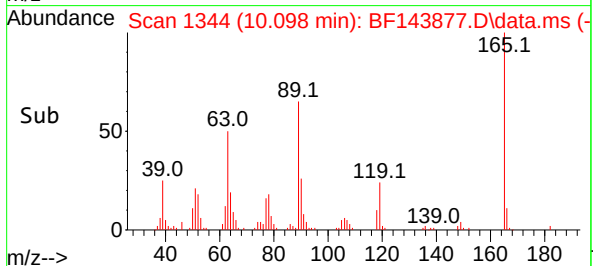
Tgt Ion:165 Resp: 40299
Ion Ratio Lower Upper
165 100
63 49.6 37.2 55.8
89 65.4 49.4 74.2
182 2.3 2.1 3.1

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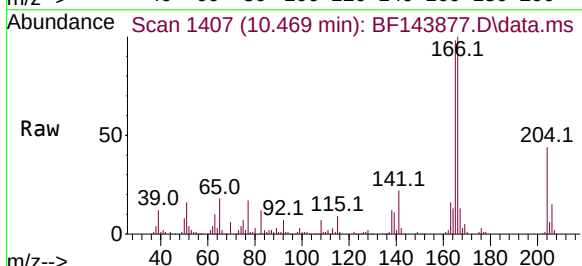
APPROVED

Reviewed By :Rahul Chavli 10/07/2025

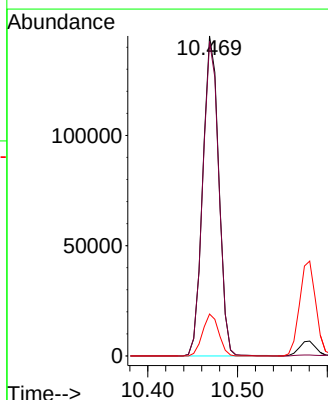
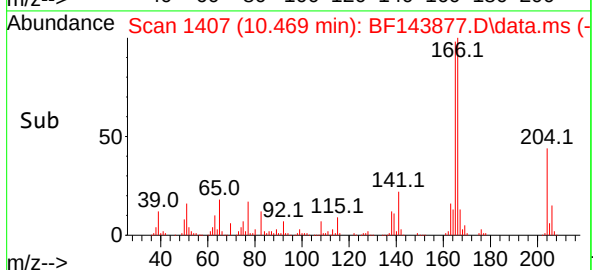
Supervised By :Jagrut Upadhyay 10/07/2025

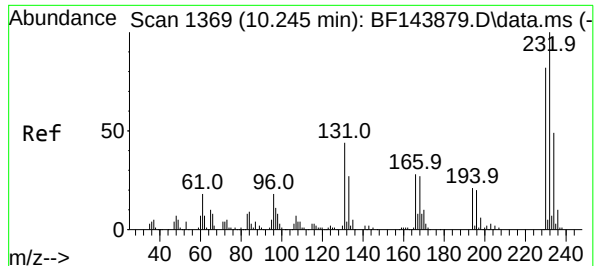


#58
Fluorene
Concen: 11.683 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



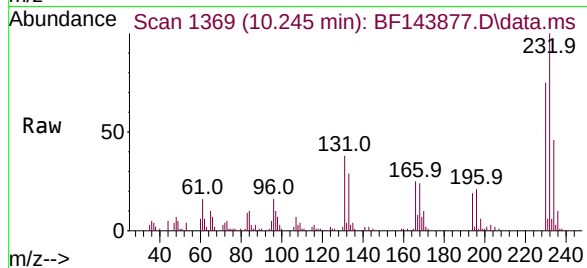
Tgt Ion:166 Resp: 179607
Ion Ratio Lower Upper
166 100
165 98.2 77.0 115.6
167 13.1 11.1 16.7





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

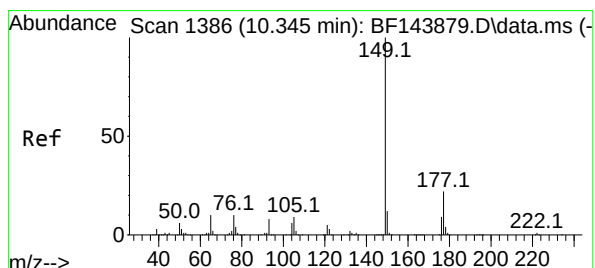
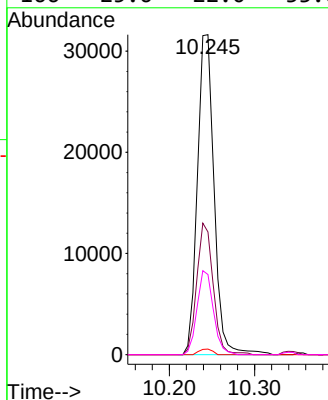
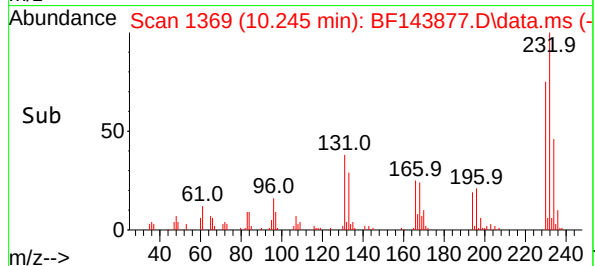
Instrument :
BNA_F
Client Sample Id :
SSTDICC010



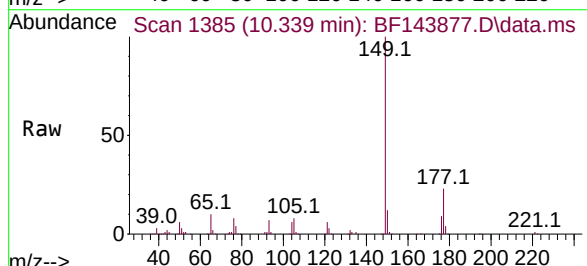
Tgt Ion: 232 Resp: 43052
Ion Ratio Lower Upper
232 100
131 40.3 34.9 52.3
130 1.4 1.6 2.4
166 25.6 22.0 33.0

Manual Integrations
APPROVED

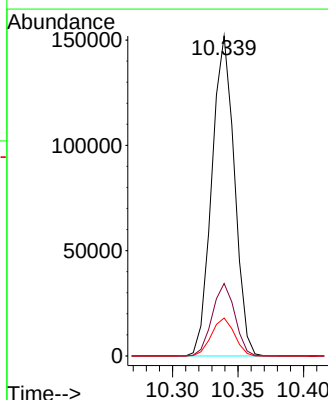
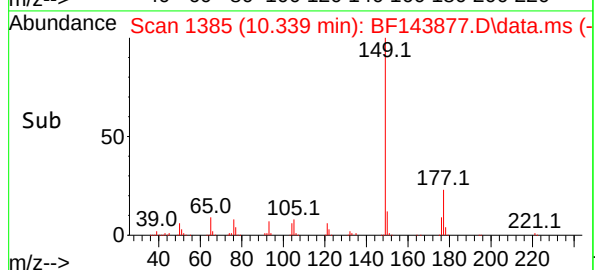
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

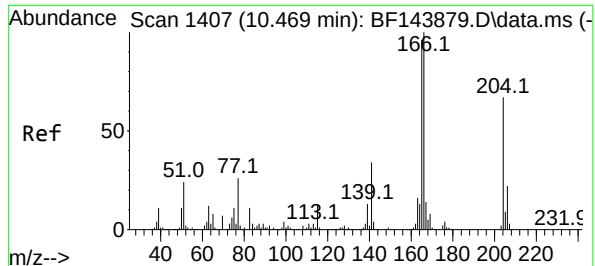


#60
Diethylphthalate
Concen: 10.860 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



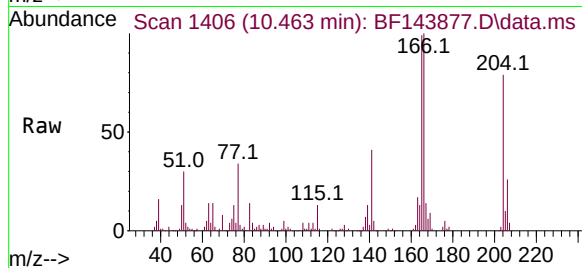
Tgt Ion: 149 Resp: 181846
Ion Ratio Lower Upper
149 100
177 22.6 17.9 26.9
150 11.8 9.8 14.8





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

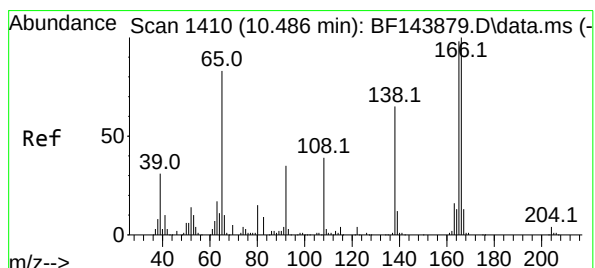
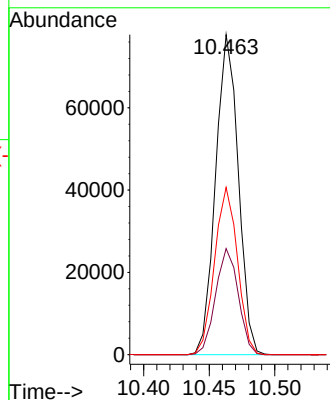
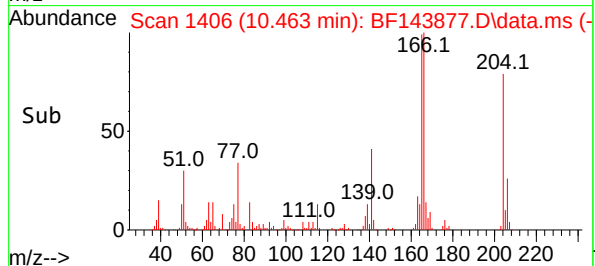
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

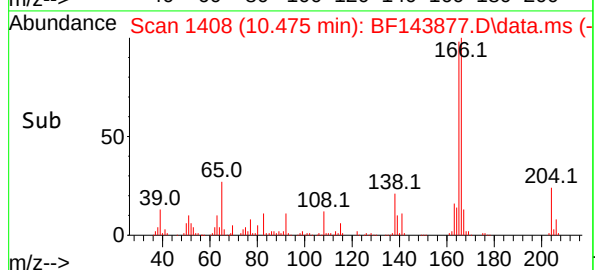
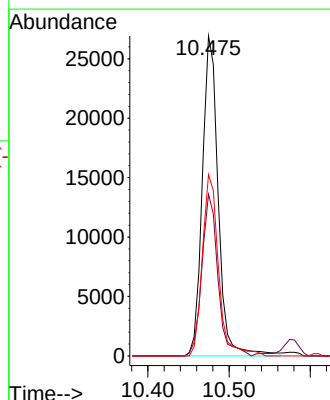
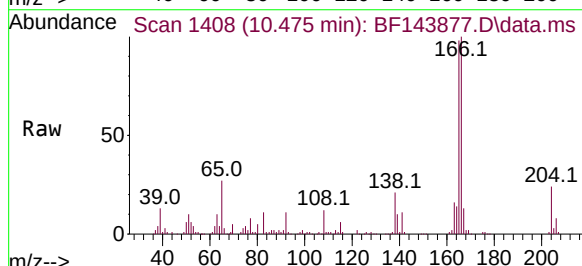
Manual Integrations
APPROVED

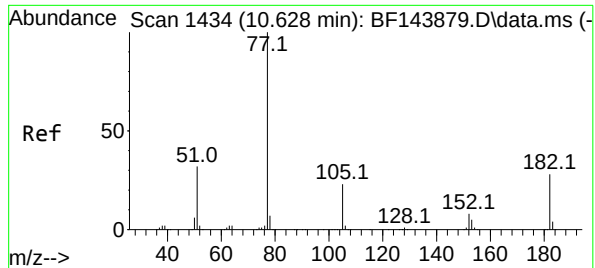
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

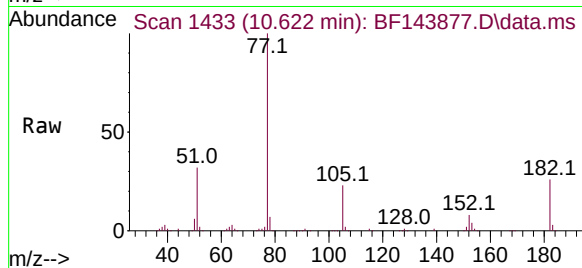
Tgt Ion:138 Resp: 36684
Ion Ratio Lower Upper
138 100
92 50.5 33.9 73.9
108 56.7 40.2 80.2





#63
Azobenzene
Concen: 10.794 ng
RT: 10.622 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

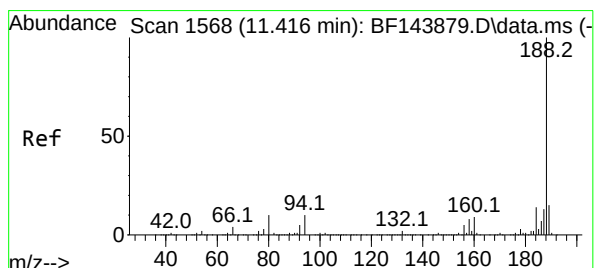
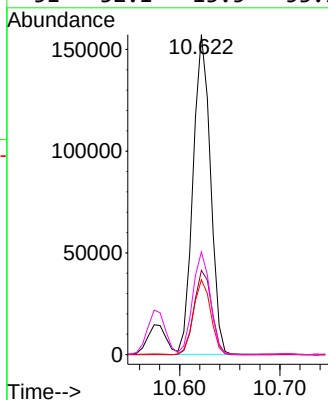
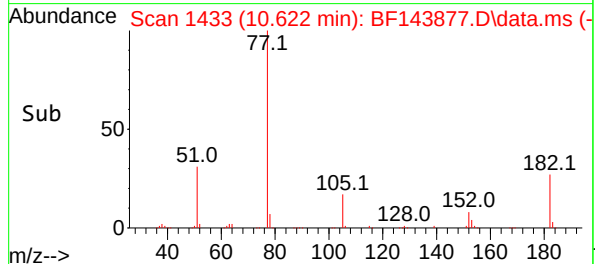
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



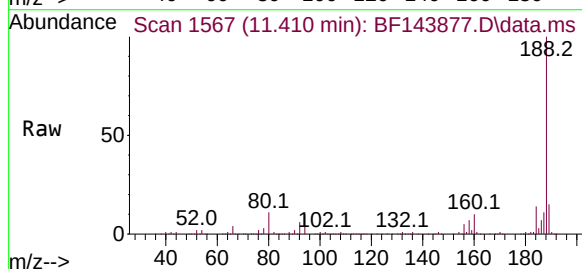
Tgt Ion: 77 Resp: 188888
Ion Ratio Lower Upper
77 100
182 26.3 7.3 47.3
105 23.4 3.0 43.0
51 32.1 13.5 53.5

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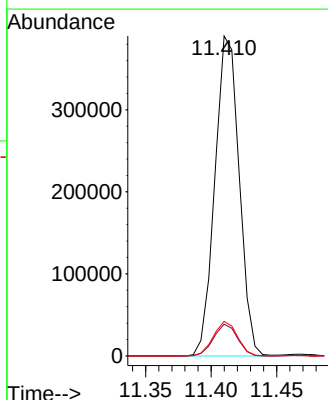
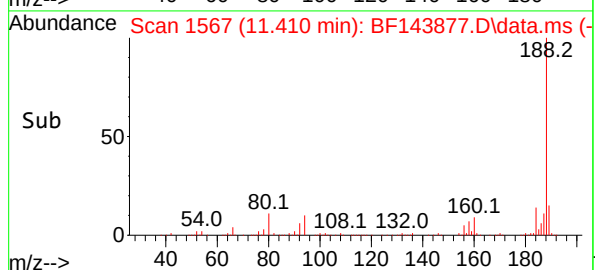
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

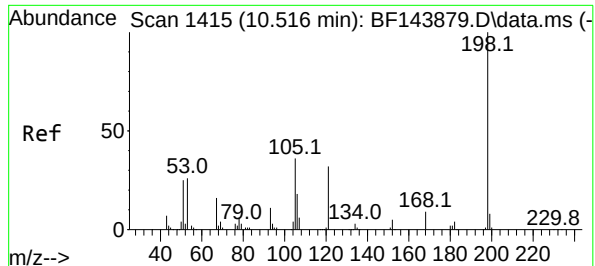


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



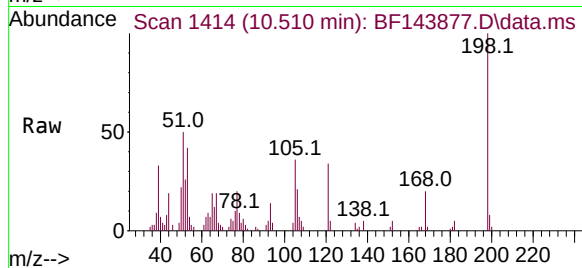
Tgt Ion:188 Resp: 504357
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 10.8 7.9 11.9





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

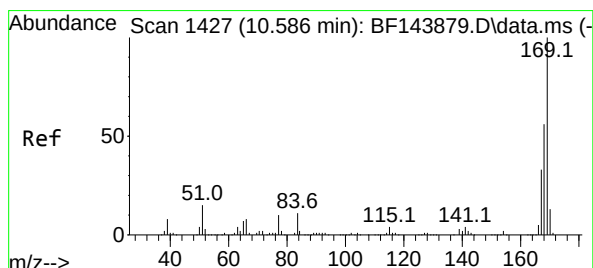
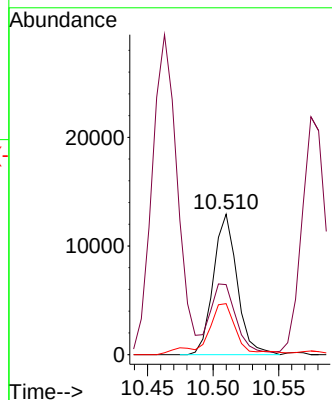
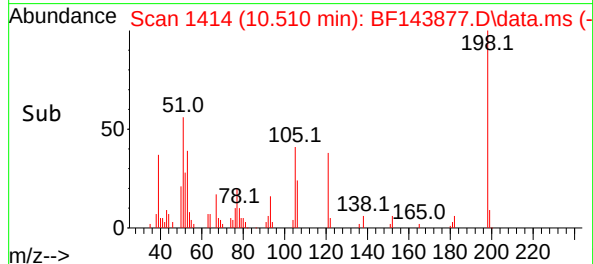
Instrument :
BNA_F
ClientSampleId :
SSTDIC010



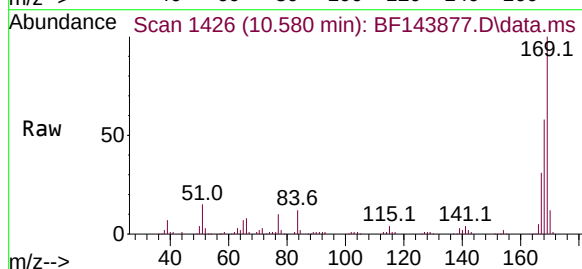
Tgt Ion:198 Resp: 16274
Ion Ratio Lower Upper
198 100
51 49.9 33.8 73.8
105 36.3 17.0 57.0

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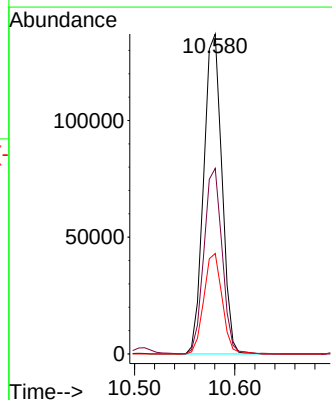
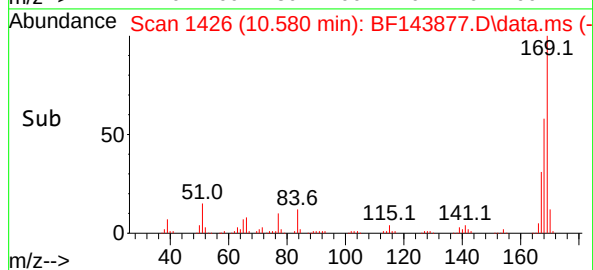
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

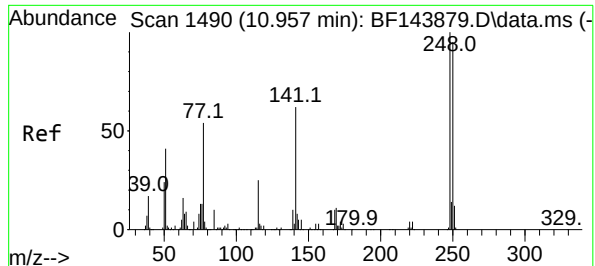


#66
n-Nitrosodiphenylamine
Concen: 10.869 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



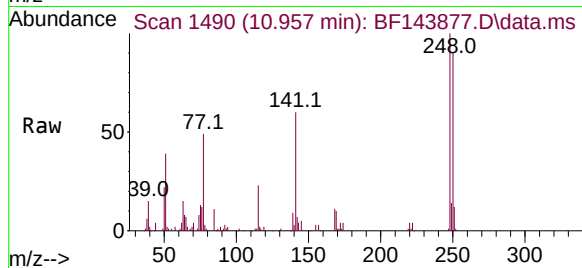
Tgt Ion:169 Resp: 172118
Ion Ratio Lower Upper
169 100
168 58.0 44.9 67.3
167 31.4 26.3 39.5





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

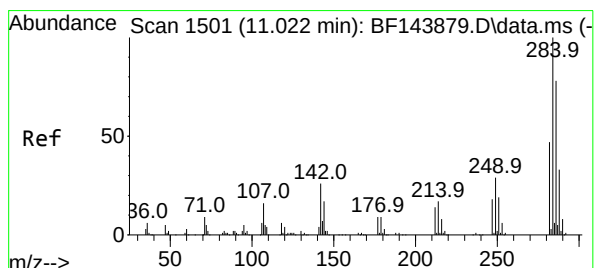
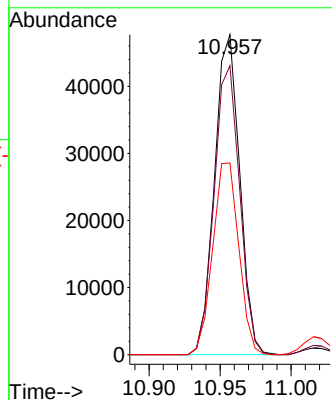
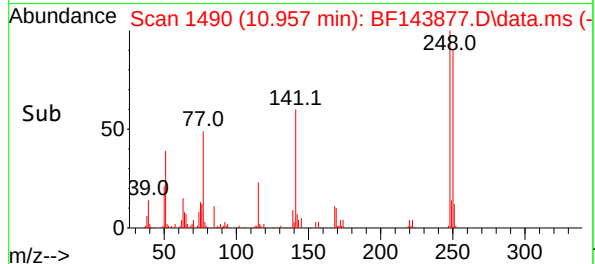
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



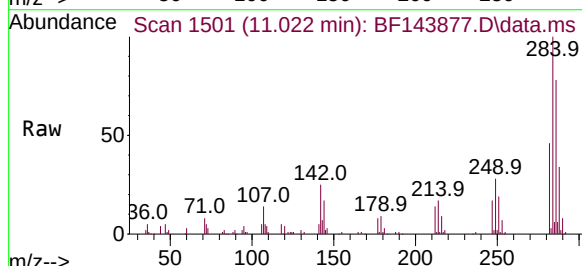
Tgt Ion:248 Resp: 58980
Ion Ratio Lower Upper
248 100
250 90.3 76.3 114.5
141 59.9 49.7 74.5

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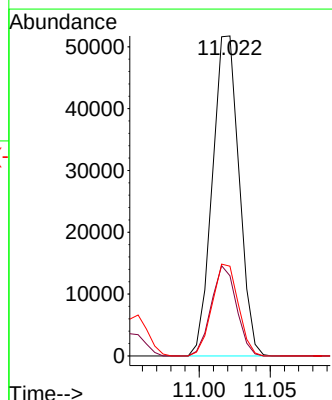
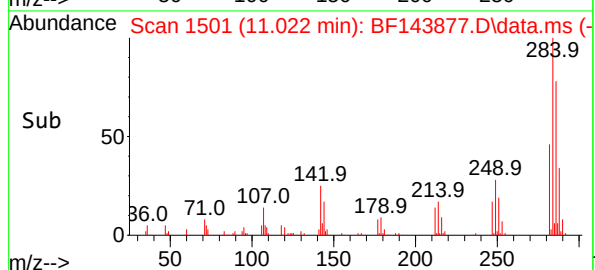
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

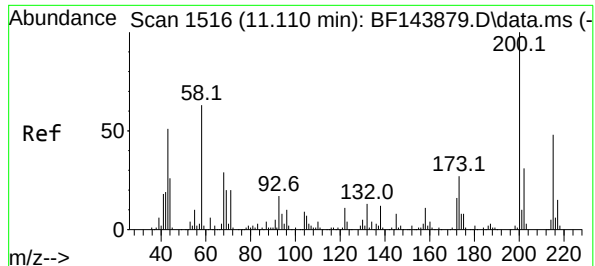


#68
Hexachlorobenzene
Concen: 10.459 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



Tgt Ion:284 Resp: 67494
Ion Ratio Lower Upper
284 100
142 25.0 20.6 30.8
249 28.0 23.2 34.8





#69

Atrazine

Concen: 10.837 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.018 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:200 Resp: 52016

Ion Ratio Lower Upper

200 100

173 28.2 7.0 47.0

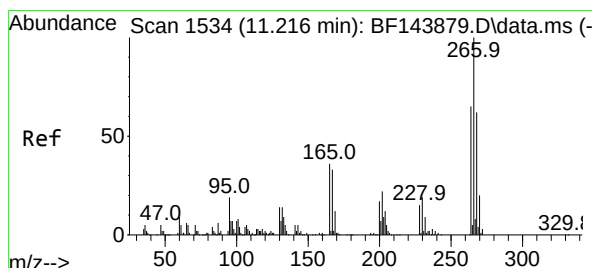
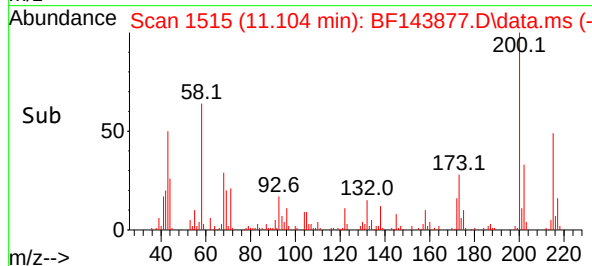
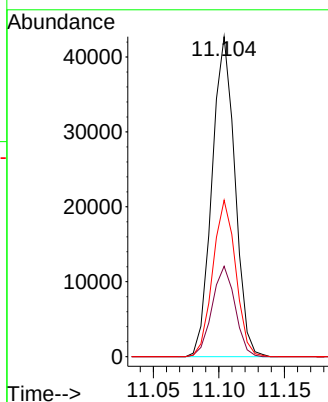
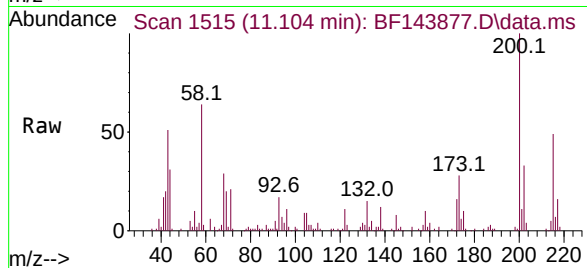
215 48.9 27.8 67.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#70

Pentachlorophenol

Concen: 7.989 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

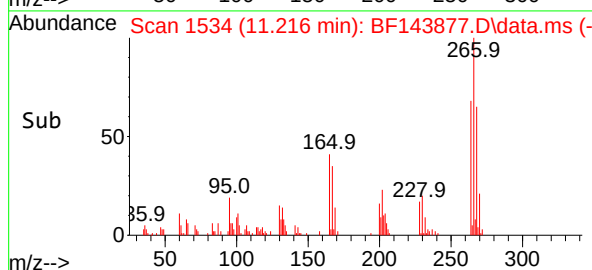
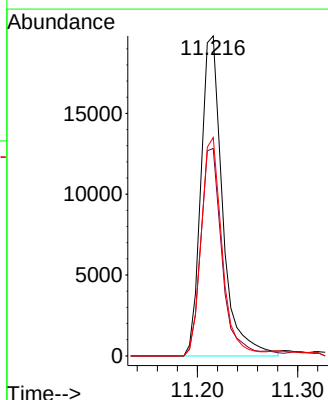
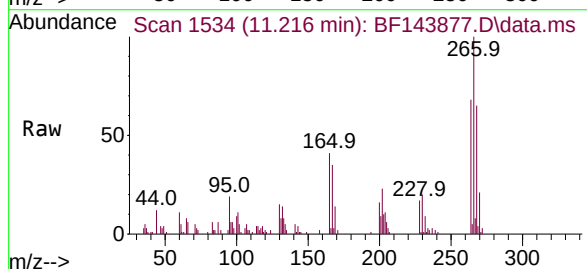
Tgt Ion:266 Resp: 29608

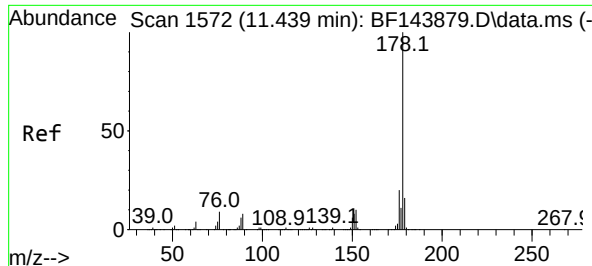
Ion Ratio Lower Upper

266 100

268 64.8 49.4 74.0

264 68.2 51.8 77.6





#71

Phenanthrene

Concen: 11.267 ng

RT: 11.433 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:178 Resp: 275484

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

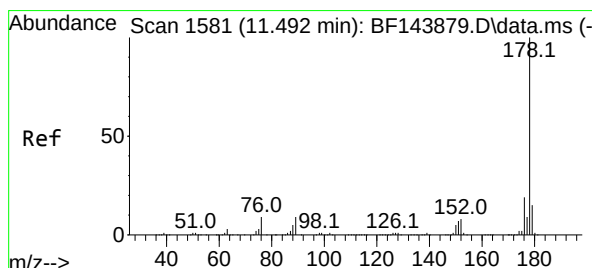
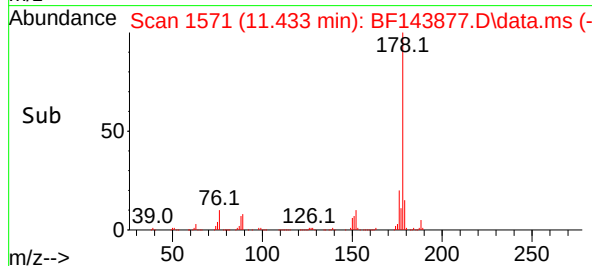
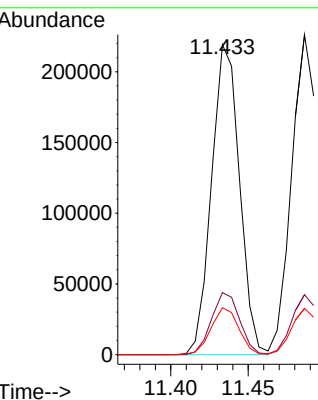
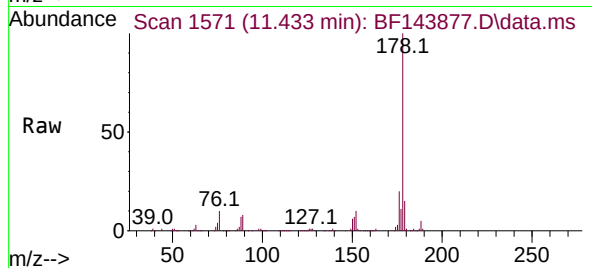
179 15.1 12.4 18.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#72

Anthracene

Concen: 11.201 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

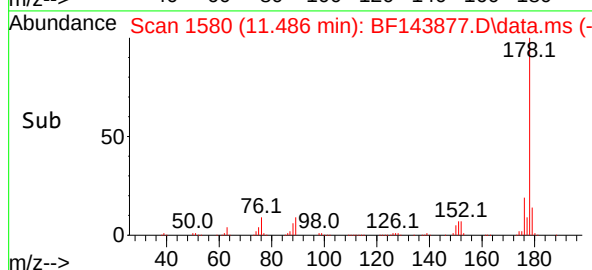
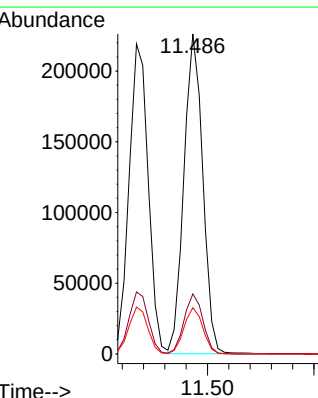
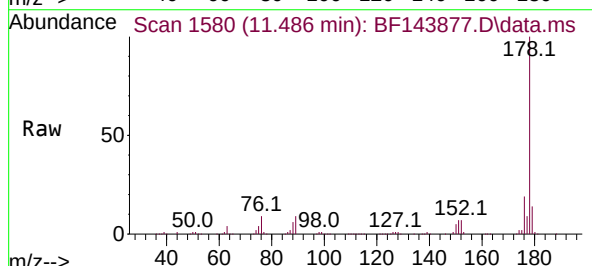
Tgt Ion:178 Resp: 276694

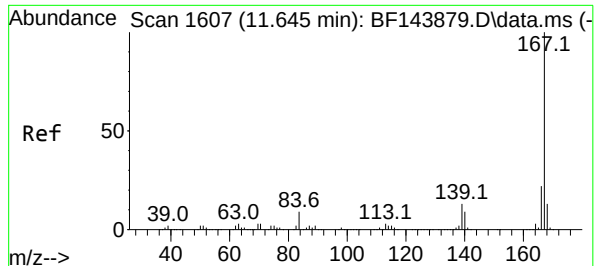
Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

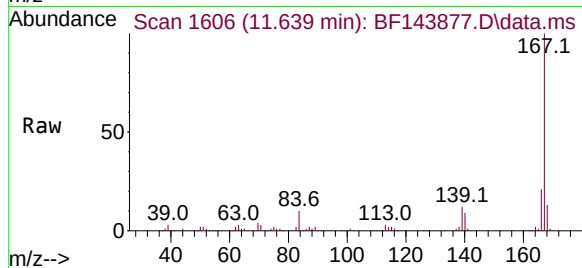
179 14.4 12.2 18.2





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

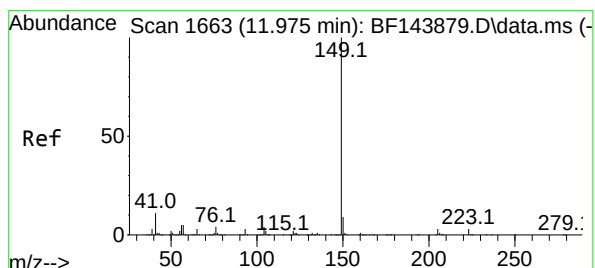
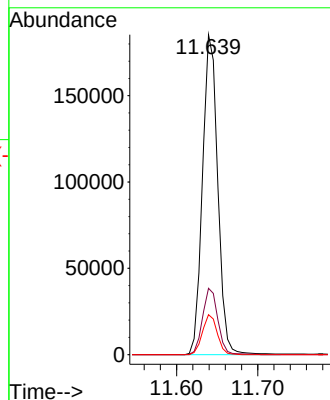
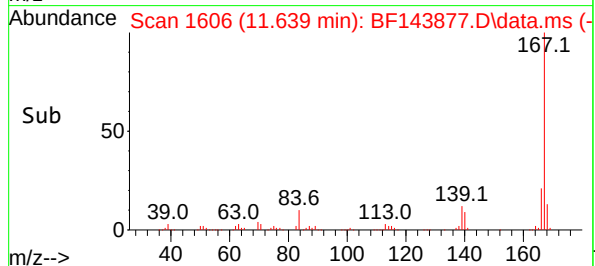
Instrument :
BNA_F
Client Sample Id :
SSTDICC010



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

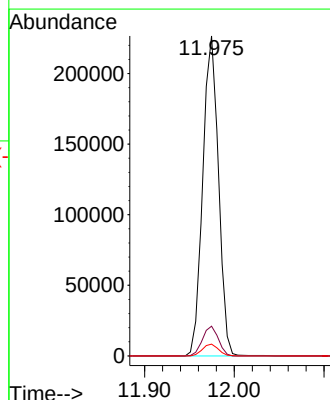
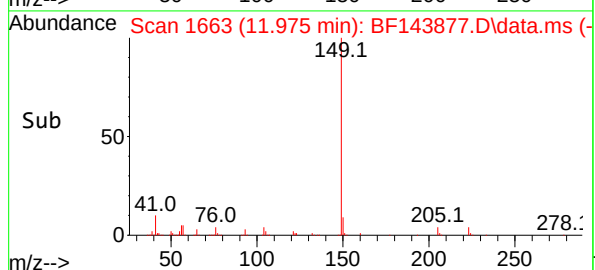
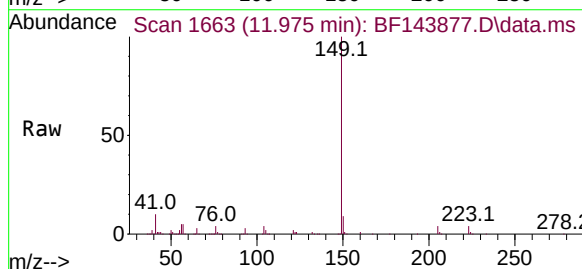
Manual Integrations
APPROVED

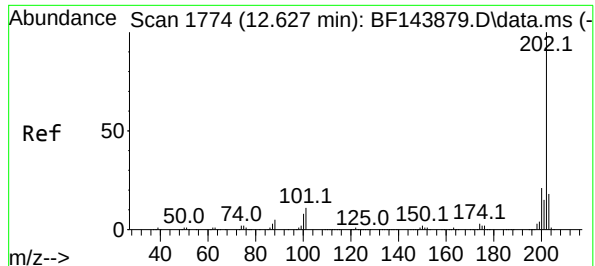
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

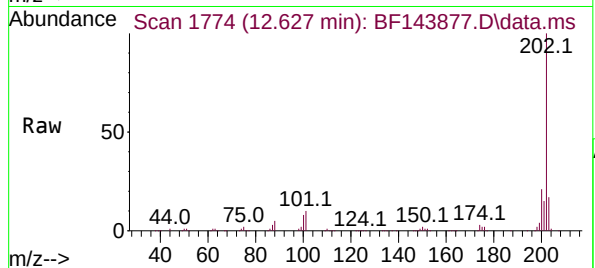
Tgt Ion:149 Resp: 275838
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 3.7 3.4 5.2





#75
Fluoranthene
Concen: 11.510 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

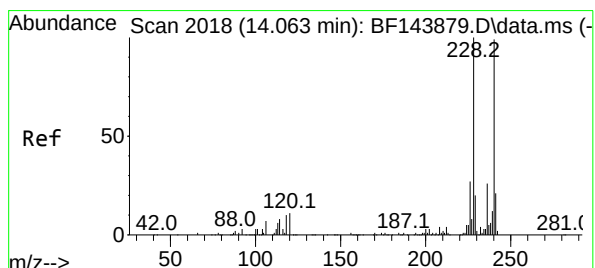
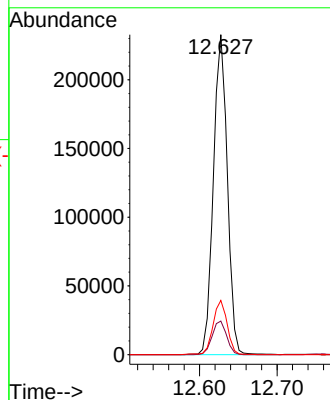
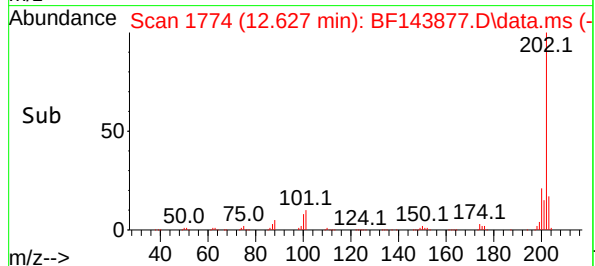
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



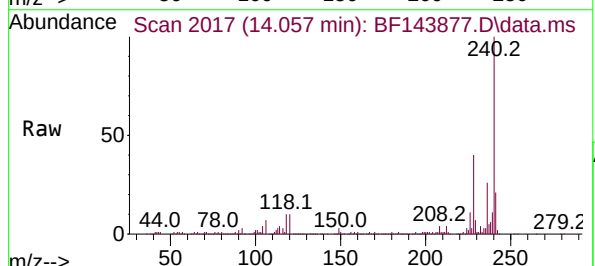
Tgt Ion:202 Resp: 290713
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.7
203 16.9 0.0 37.8

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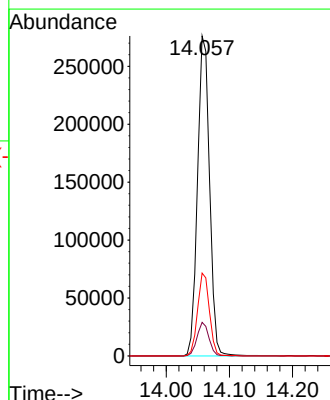
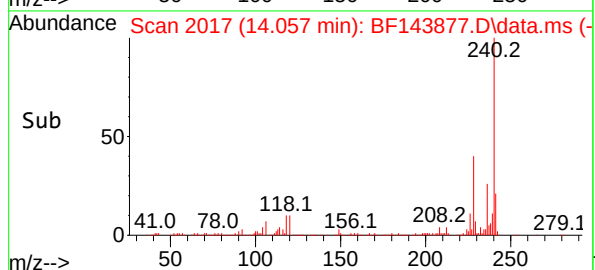
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

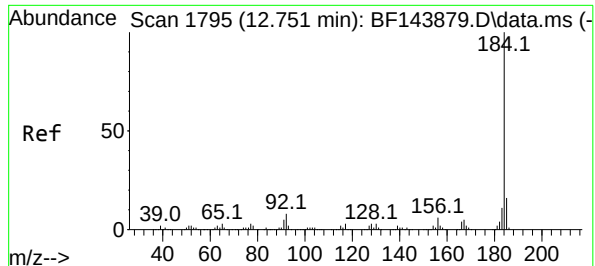


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



Tgt Ion:240 Resp: 366499
Ion Ratio Lower Upper
240 100
120 10.5 8.6 13.0
236 25.9 21.1 31.7





#77

Benzidine

Concen: 10.092 ng

RT: 12.751 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

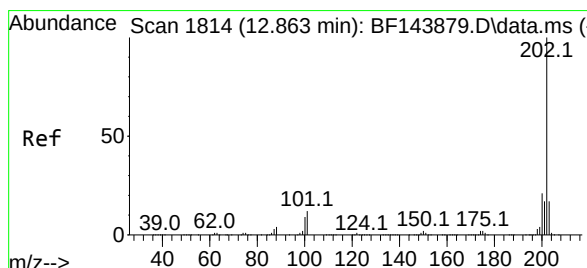
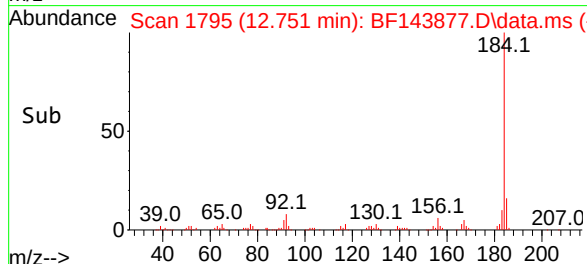
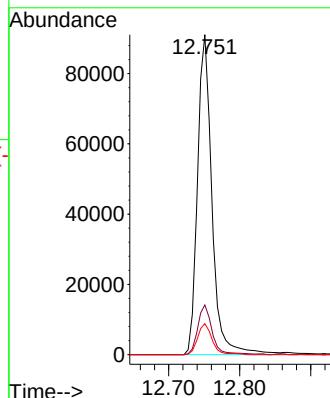
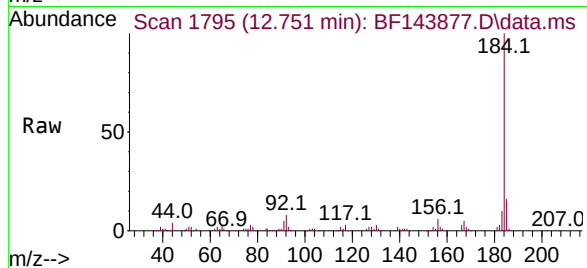
SSTDICC010

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

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

Supervised By :Jagrut Upadhyay 10/07/2025



#78

Pyrene

Concen: 9.975 ng

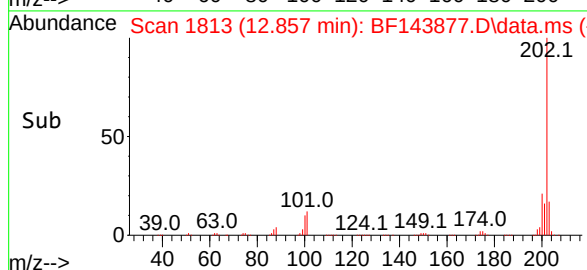
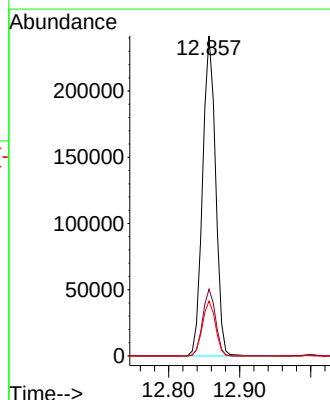
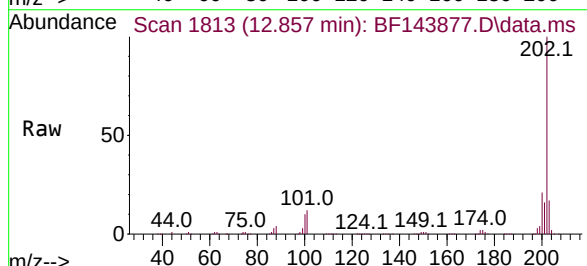
RT: 12.857 min Scan# 1813

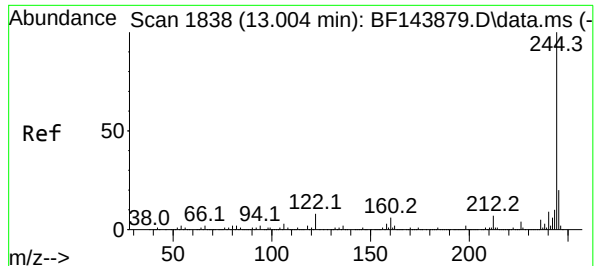
Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Tgt Ion:202	Resp: 304789
Ion Ratio	Lower Upper
202	100
200	20.8 17.0 25.6
203	17.1 13.8 20.6





#79

Terphenyl-d14

Concen: 20.657 ng

RT: 12.998 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:244 Resp: 442968

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

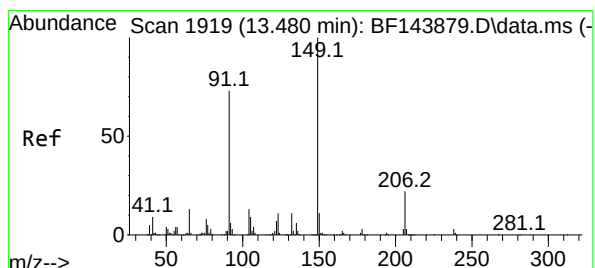
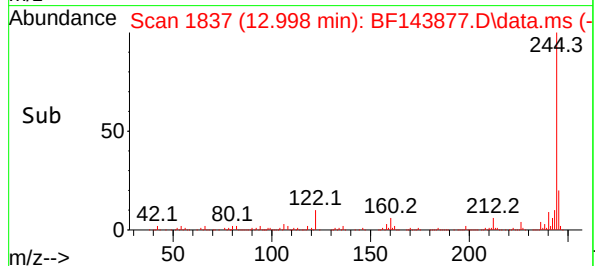
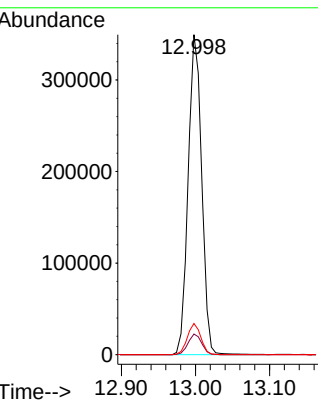
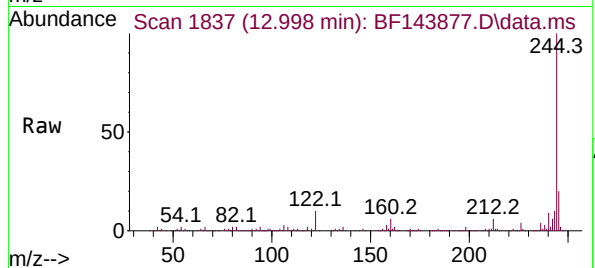
122 9.7 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#80

Butylbenzylphthalate

Concen: 9.296 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

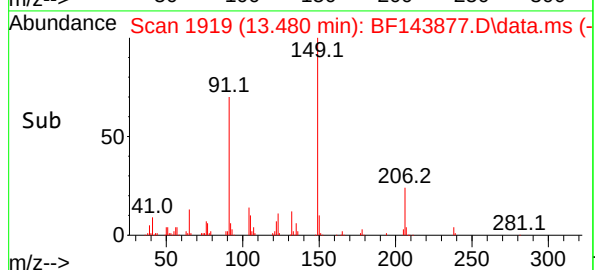
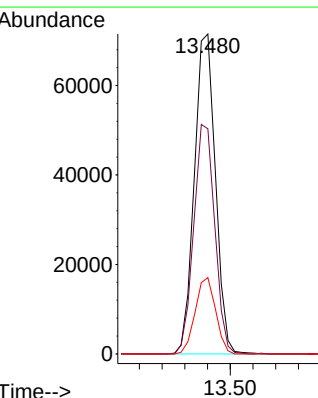
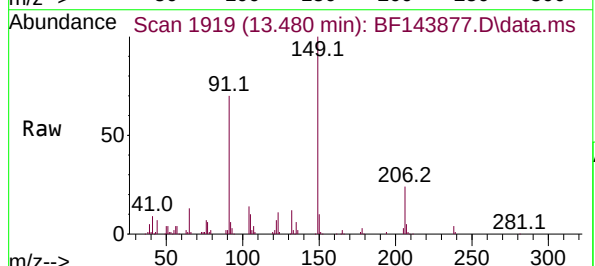
Tgt Ion:149 Resp: 92241

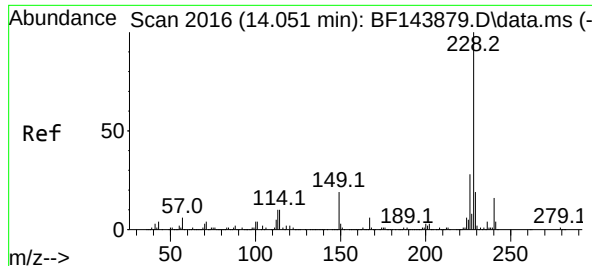
Ion Ratio Lower Upper

149 100

91 70.3 58.2 87.2

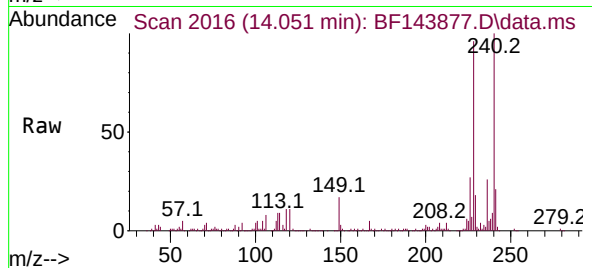
206 23.8 17.9 26.9





#81
Benzo(a)anthracene
Concen: 10.293 ng
RT: 14.051 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

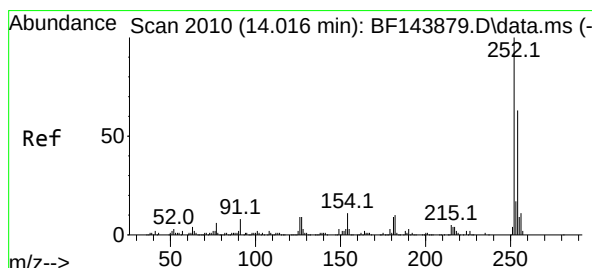
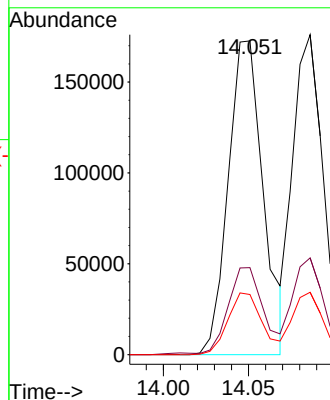
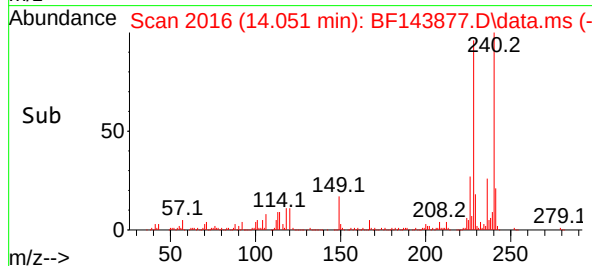
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 24687
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.2
229 19.1 15.6 23.4

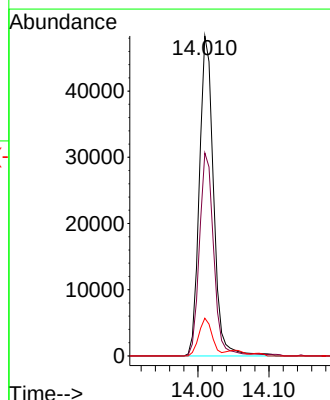
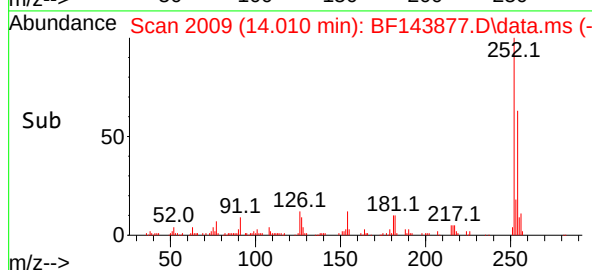
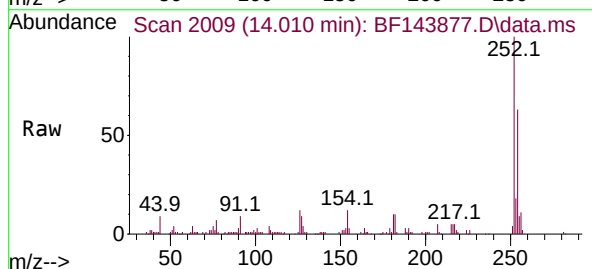
Manual Integrations
APPROVED

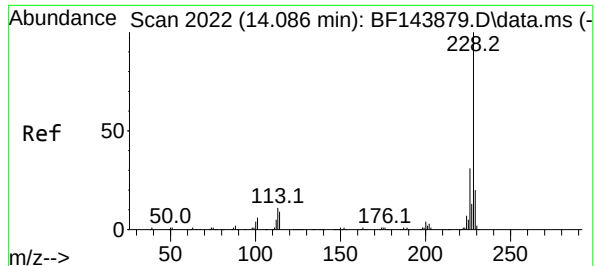
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:252 Resp: 66722
Ion Ratio Lower Upper
252 100
254 63.4 50.6 76.0
126 11.8 7.0 10.6#





#83

Chrysene

Concen: 9.809 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

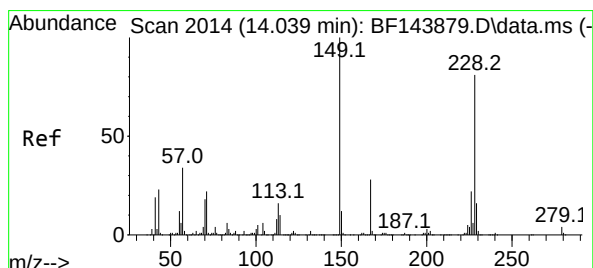
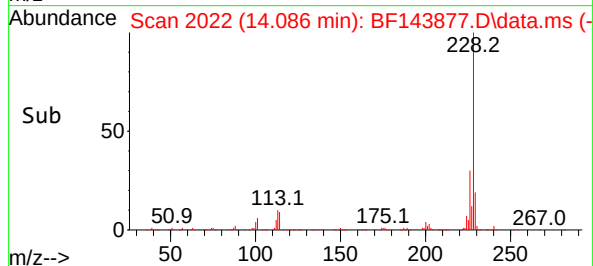
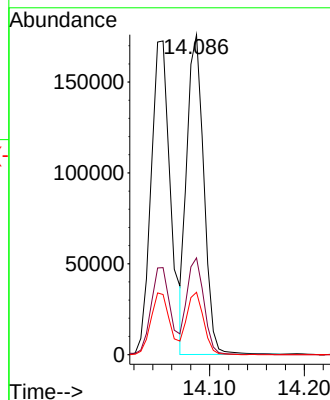
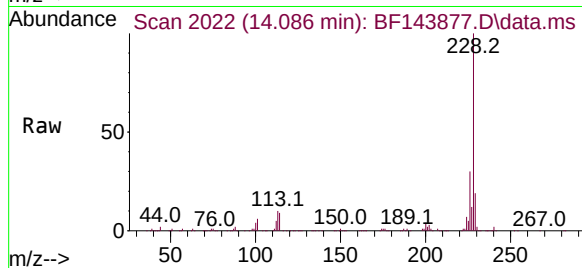
Tgt Ion:	228	Resp:	21774
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.4	36.6
229	19.5	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.483 ng

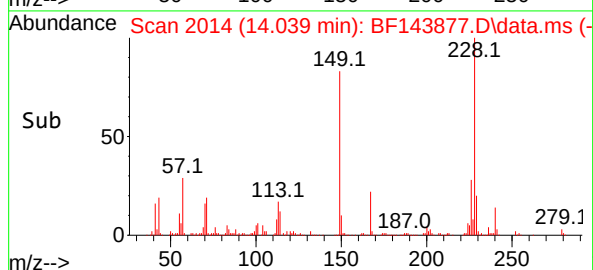
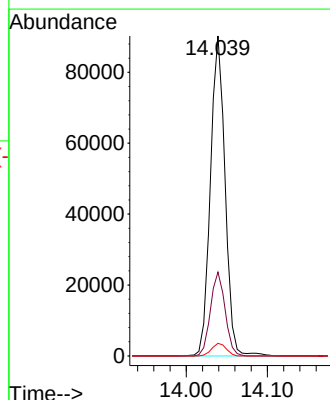
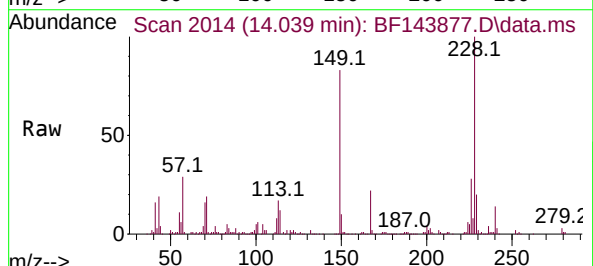
RT: 14.039 min Scan# 2014

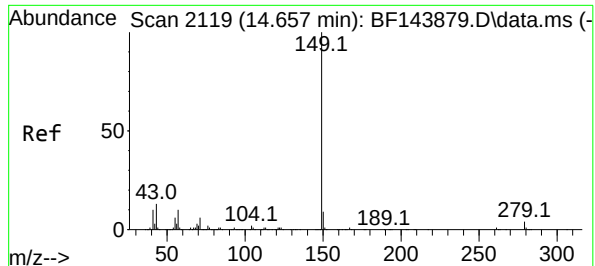
Delta R.T. 0.000 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

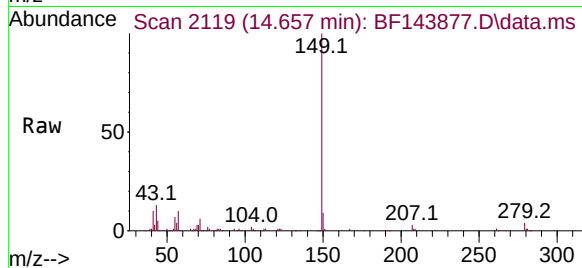
Tgt Ion:	149	Resp:	113431
Ion Ratio	Lower	Upper	
149	100		
167	26.2	22.2	33.4
279	3.9	3.1	4.7





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

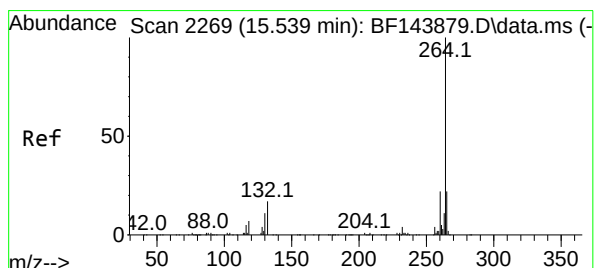
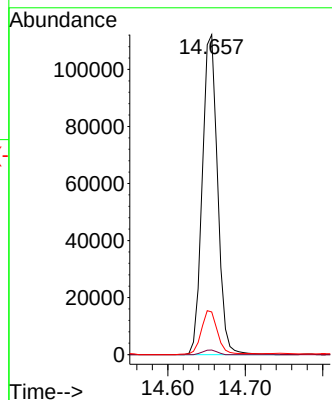
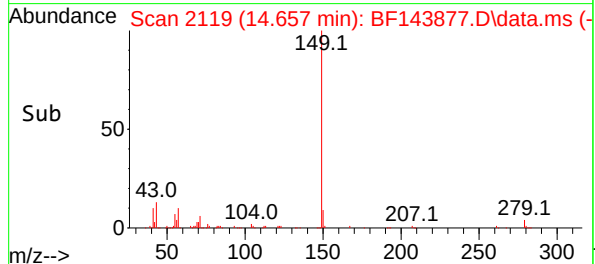
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



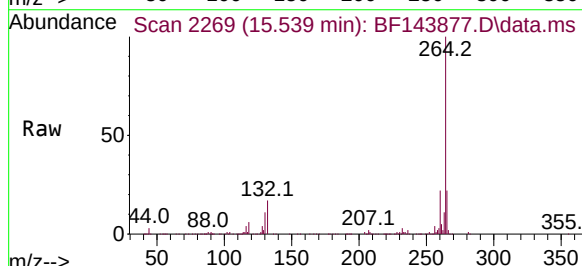
Tgt Ion:149 Resp: 153434
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 14.8 11.0 16.4

Manual Integrations
APPROVED

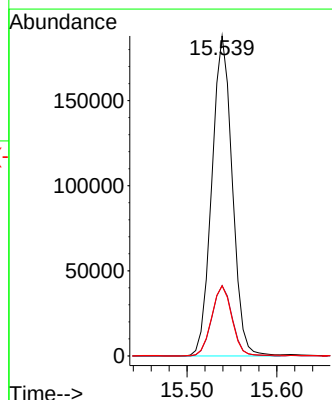
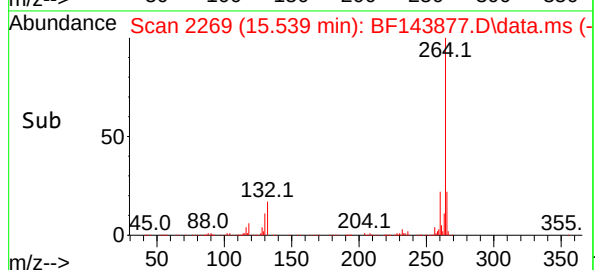
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

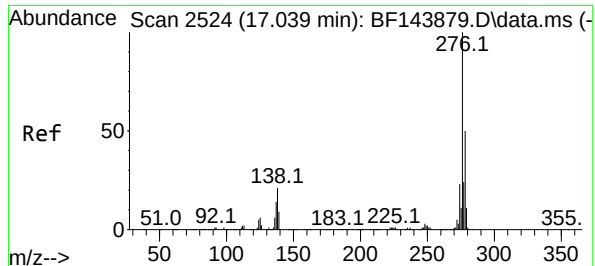


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



Tgt Ion:264 Resp: 297391
Ion Ratio Lower Upper
264 100
260 22.0 17.8 26.8
265 21.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.011 ng

RT: 17.027 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:276 Resp: 164200

Ion Ratio Lower Upper

276 100

138 26.2 18.2 27.2

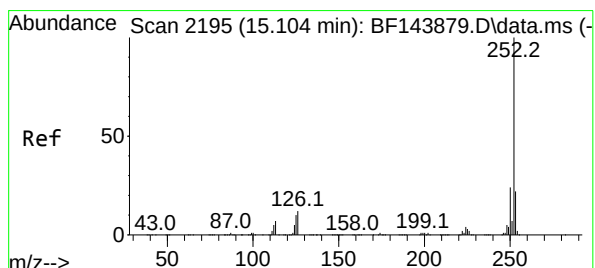
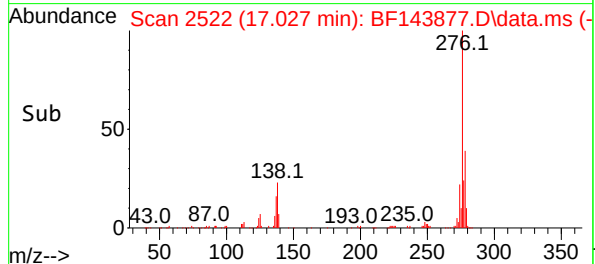
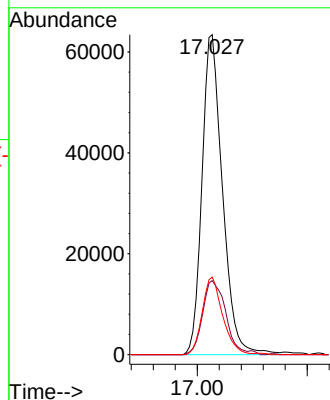
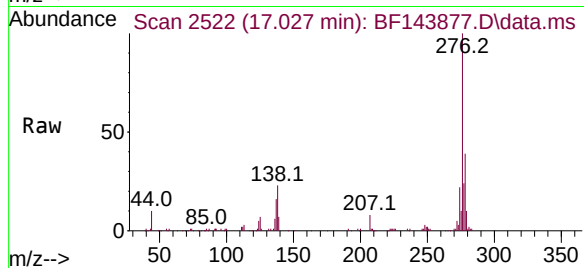
277 24.1 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#88

Benzo(b)fluoranthene

Concen: 9.901 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

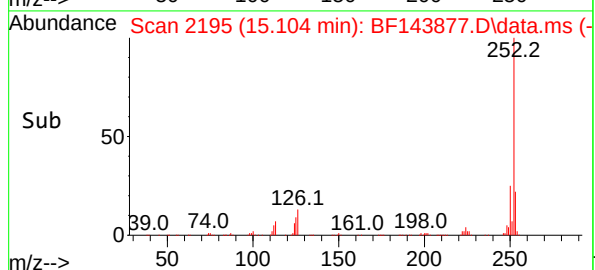
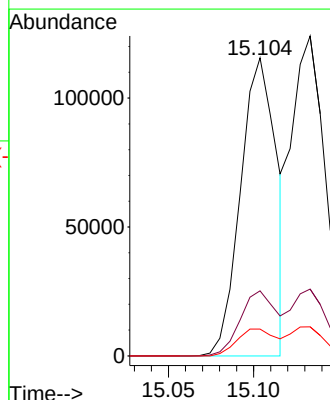
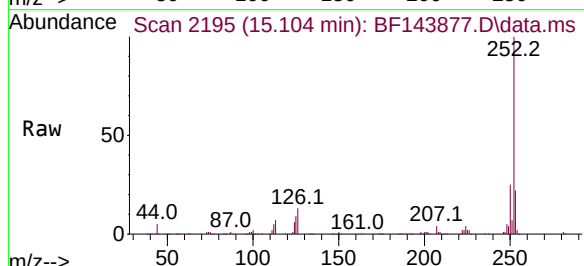
Tgt Ion:252 Resp: 169146

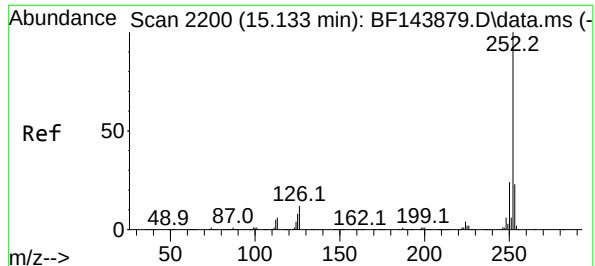
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 9.0 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 11.032 ng

RT: 15.133 min Scan# 2200

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 174390

Ion Ratio Lower Upper

252 100

253 20.9 17.8 26.8

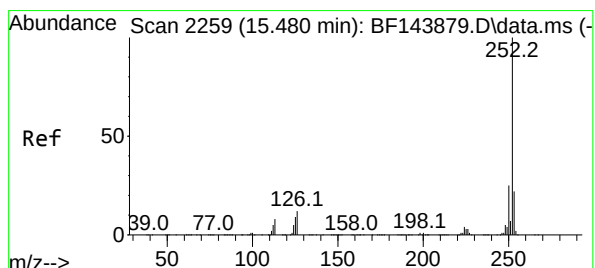
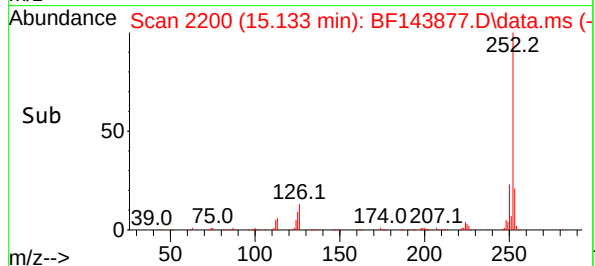
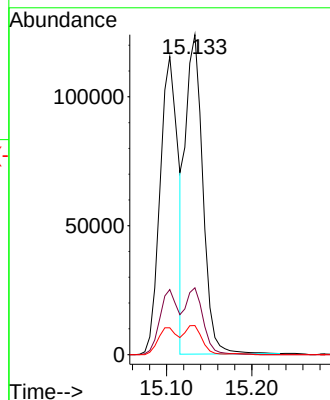
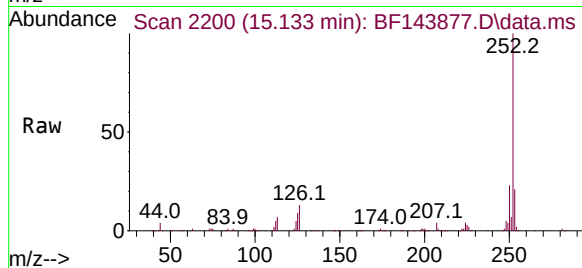
125 9.1 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#90

Benzo(a)pyrene

Concen: 10.096 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

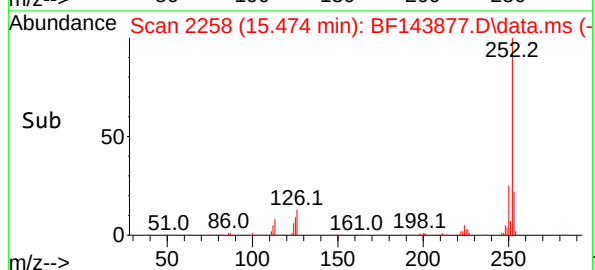
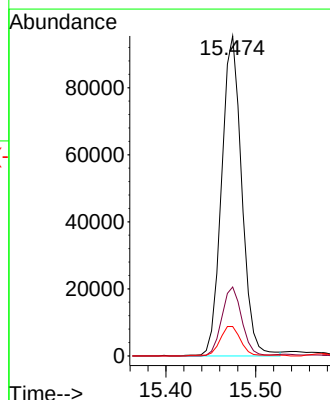
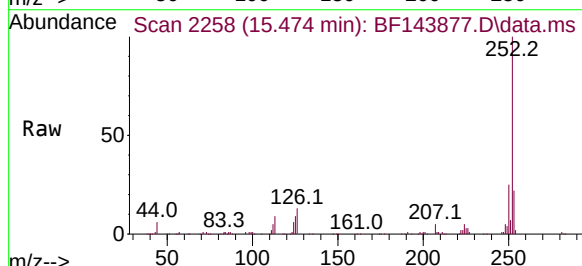
Tgt Ion:252 Resp: 149543

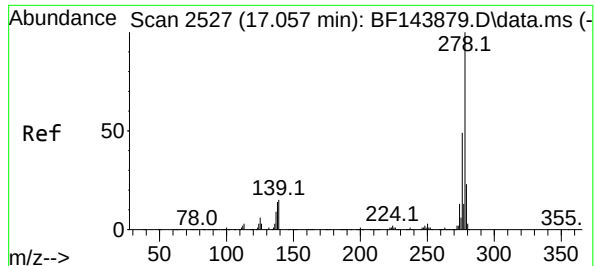
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

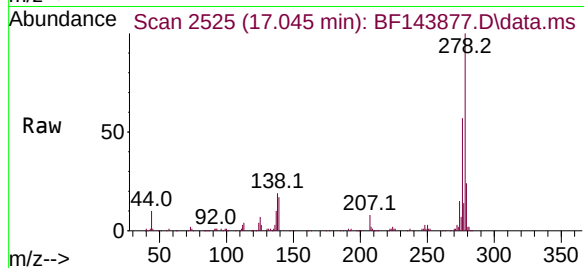
125 9.2 7.0 10.4





#91
Dibenzo(a,h)anthracene
Concen: 9.279 ng
RT: 17.045 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

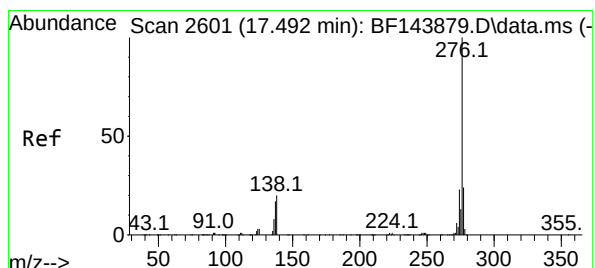
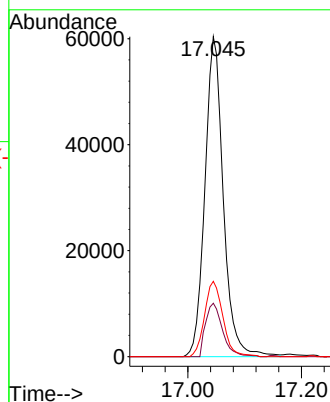
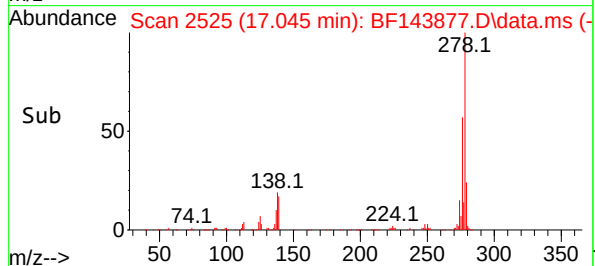
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

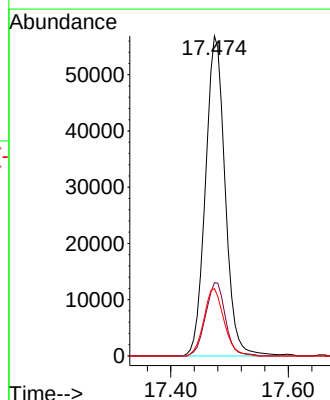
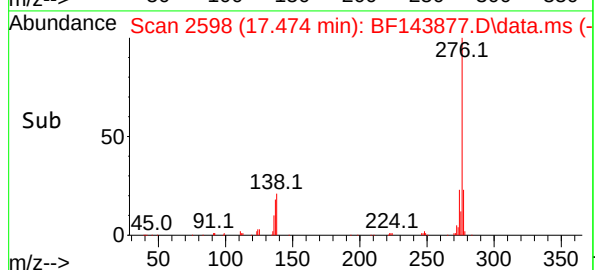
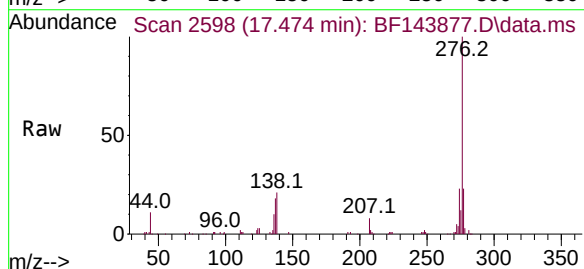
Manual Integrations
APPROVED

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



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

Tgt Ion:276 Resp: 132076
Ion Ratio Lower Upper
276 100
277 22.9 19.0 28.6
138 21.0 16.1 24.1



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

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:38:20 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 06 15:29:47 2025

Response via : Initial Calibration

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

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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

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

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

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

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

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

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

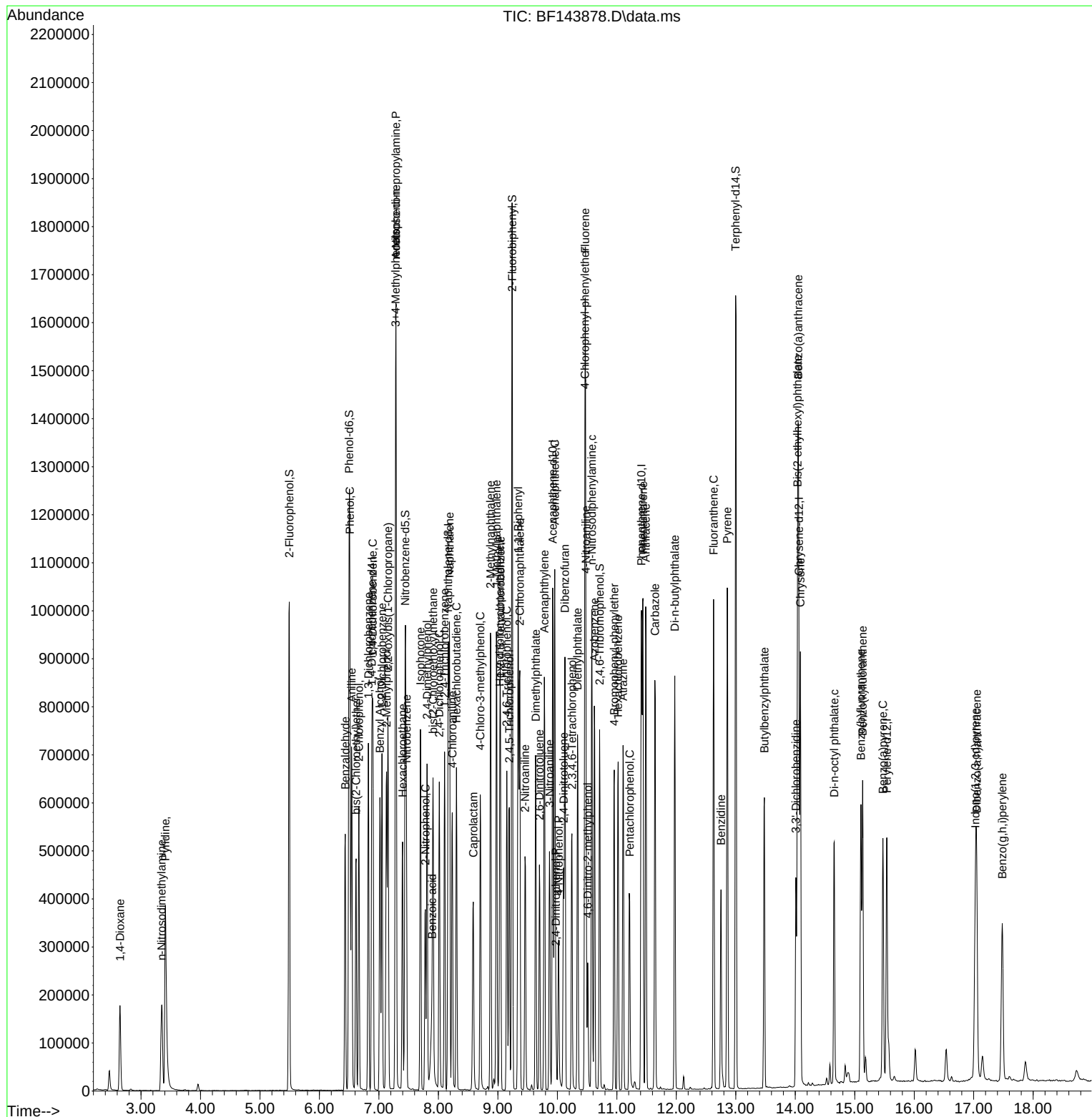
Manual Integrations

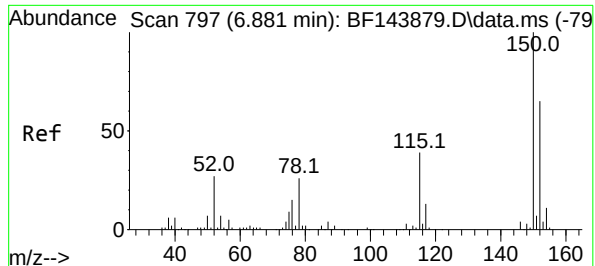
APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

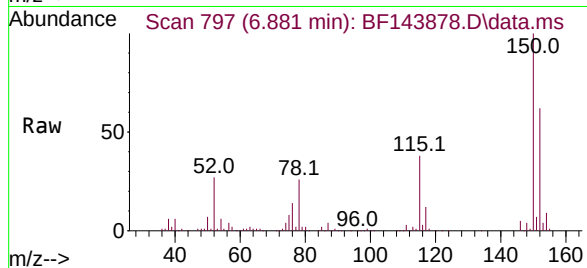
Quant Time: Oct 06 15:38:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration





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

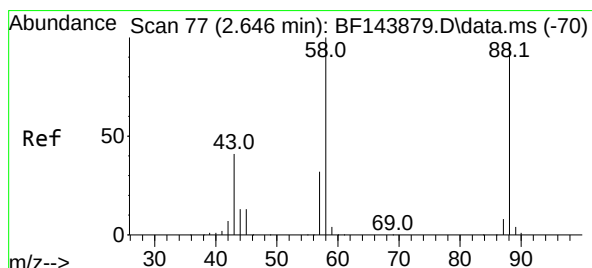
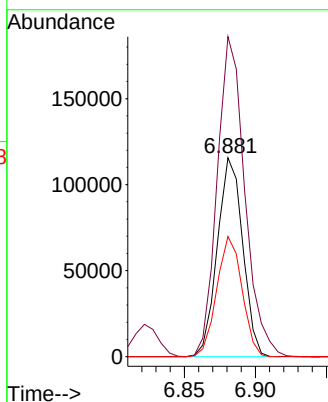
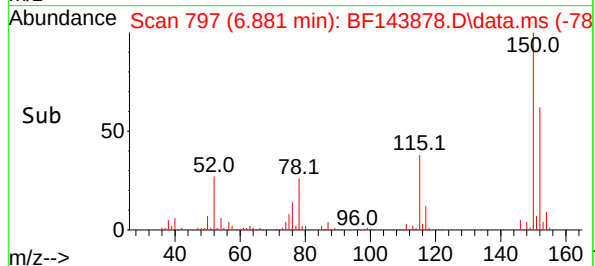
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

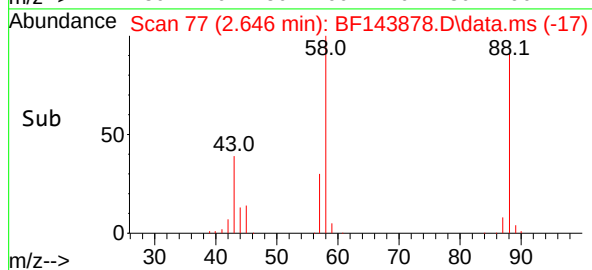
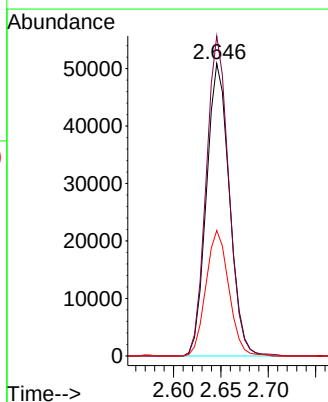
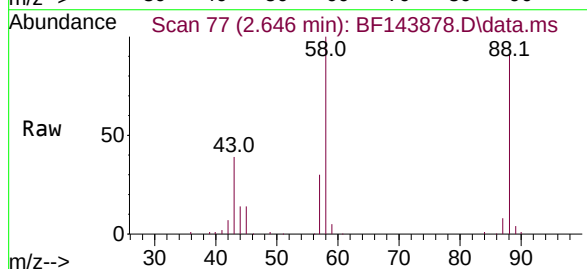
Manual Integrations
APPROVED

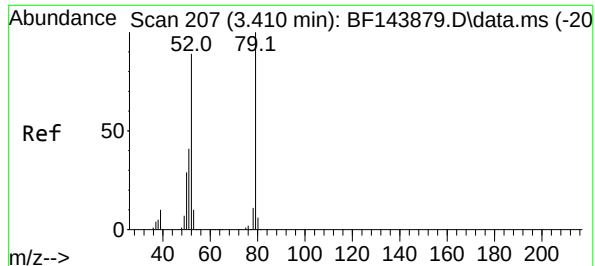
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

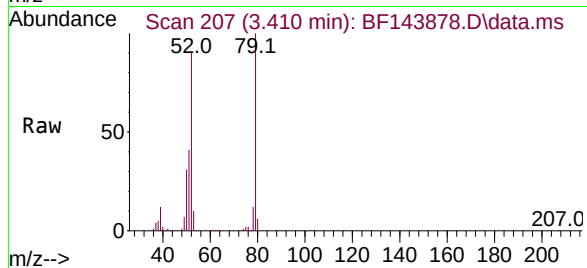
Tgt Ion: 88 Resp: 86079
Ion Ratio Lower Upper
88 100
58 107.3 83.0 124.6
43 42.6 33.9 50.9





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

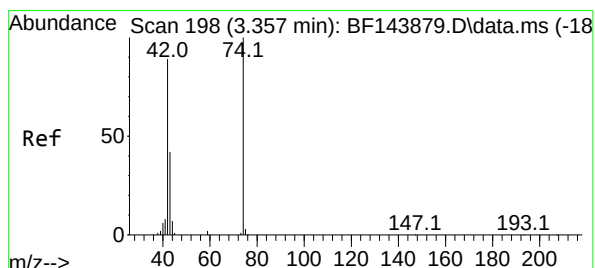
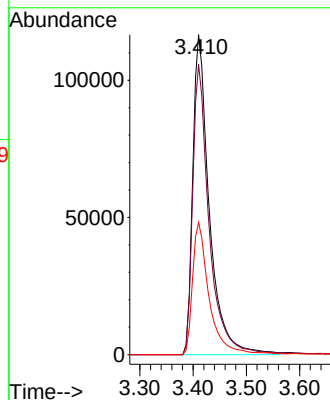
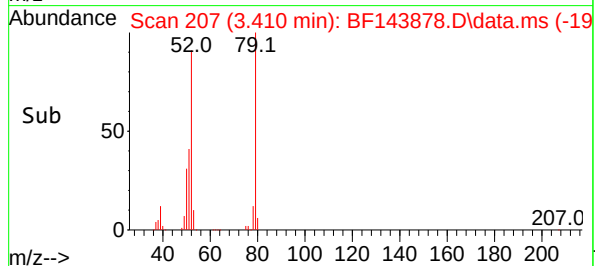
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

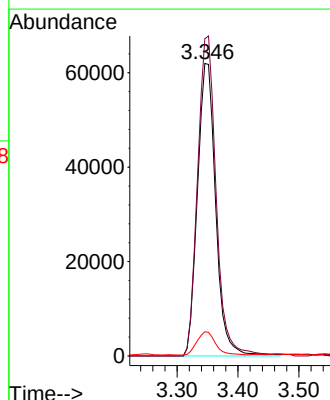
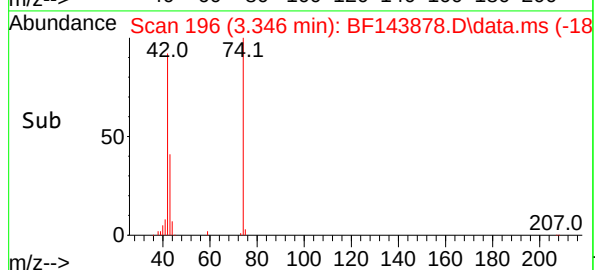
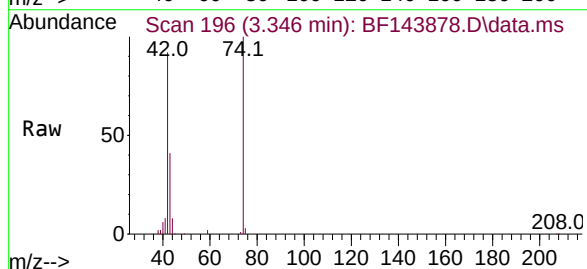
Manual Integrations
APPROVED

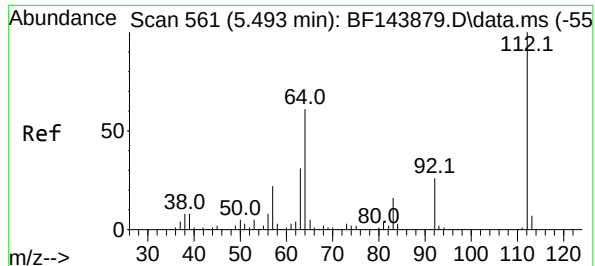
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion: 42 Resp: 128915
Ion Ratio Lower Upper
42 100
74 108.5 90.0 135.0
44 8.2 6.2 9.2





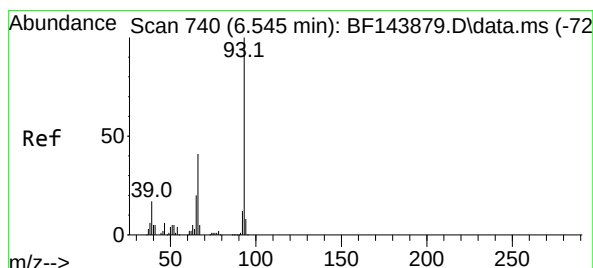
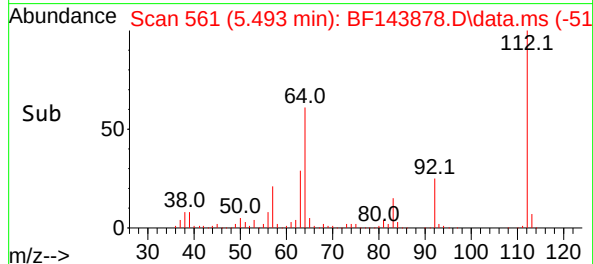
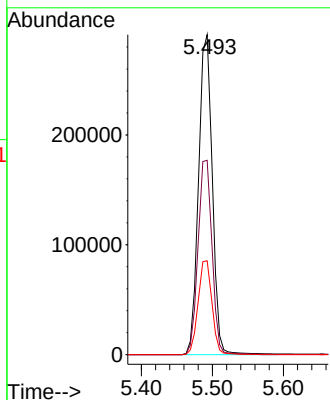
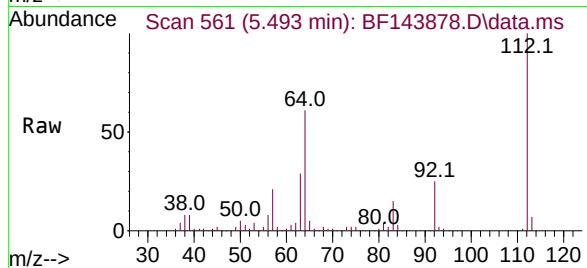
#5
2-Fluorophenol
Concen: 42.947 ng
RT: 5.493 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 38964
Ion Ratio Lower Upper
112 100
64 60.7 49.1 73.7
63 29.3 24.5 36.7

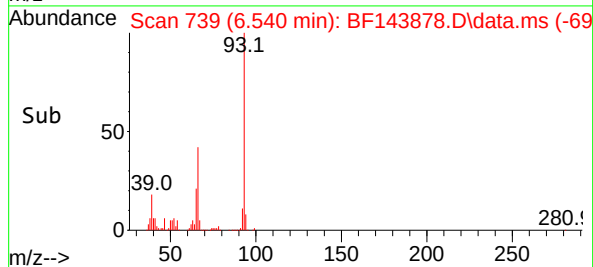
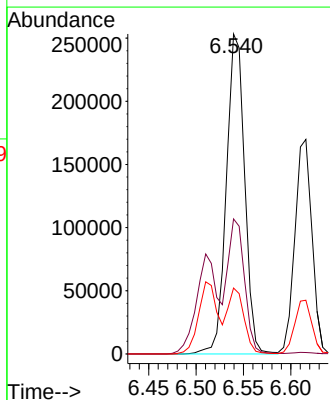
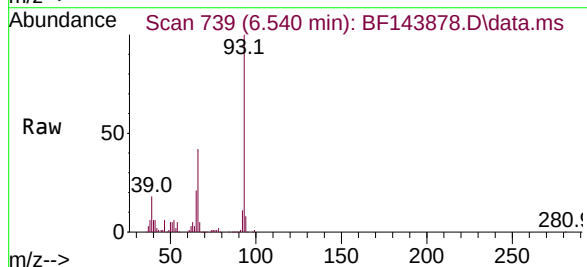
Manual Integrations
APPROVED

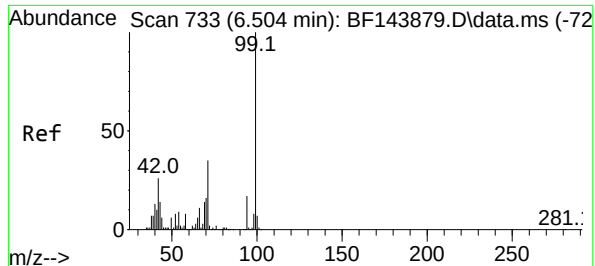
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion: 93 Resp: 340202
Ion Ratio Lower Upper
93 100
66 42.2 33.0 49.6
65 20.6 15.8 23.8





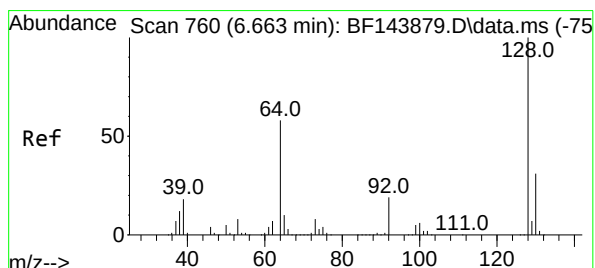
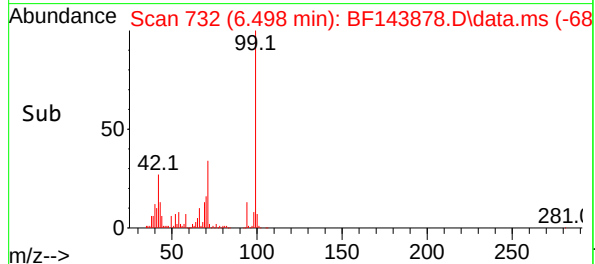
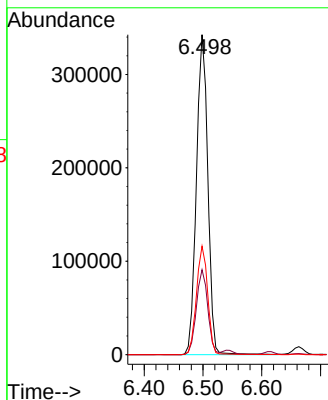
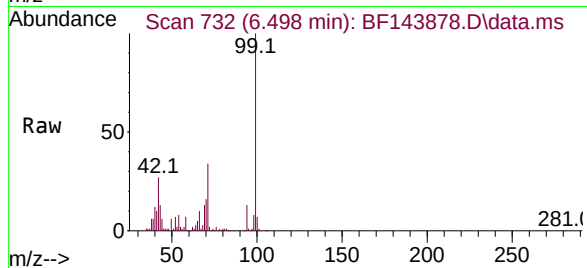
#7
Phenol-d6
Concen: 42.670 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

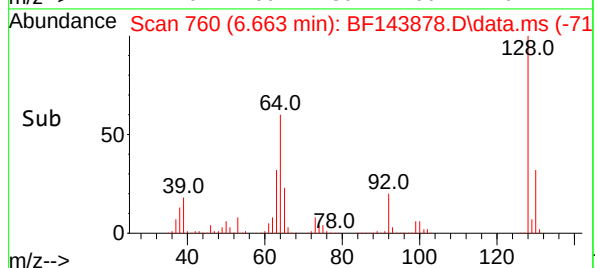
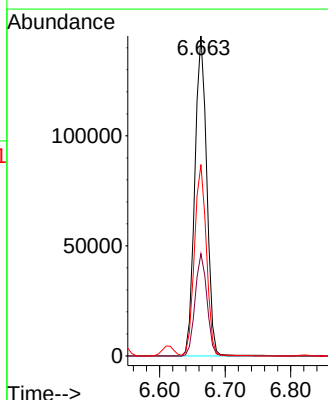
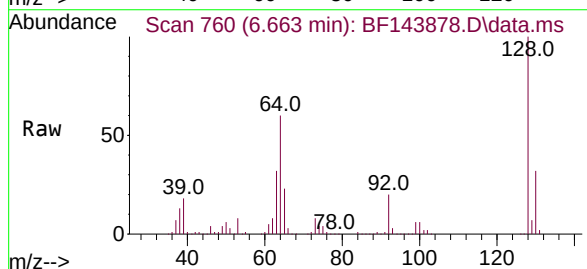
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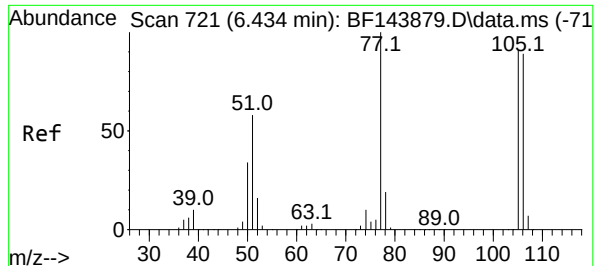
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:128 Resp: 183611
Ion Ratio Lower Upper
128 100
130 31.9 10.7 50.7
64 59.8 39.0 79.0





#9

Benzaldehyde

Concen: 17.715 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 77 Resp: 14778

Ion Ratio Lower Upper

77 100

105 91.2 70.9 110.9

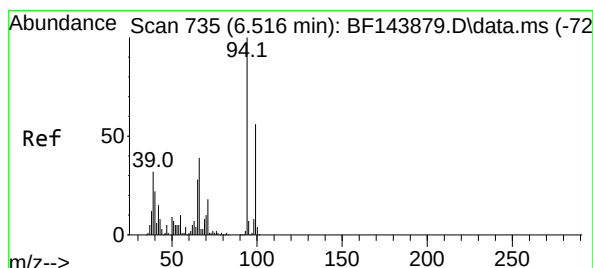
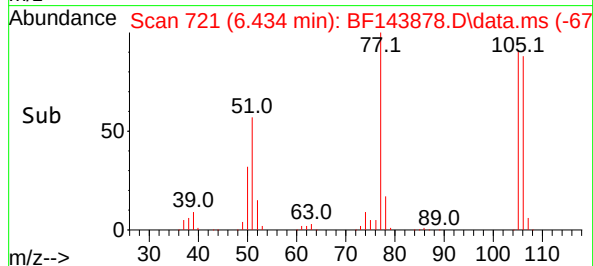
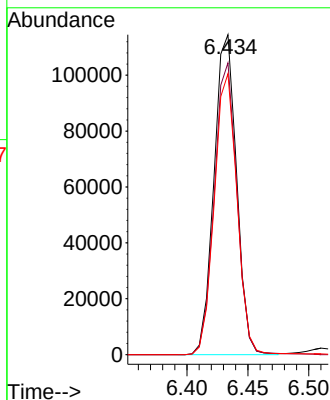
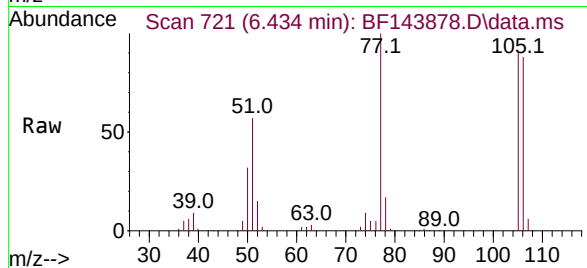
106 87.8 68.9 108.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#10

Phenol

Concen: 21.046 ng m

RT: 6.510 min Scan# 734

Delta R.T. -0.023 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

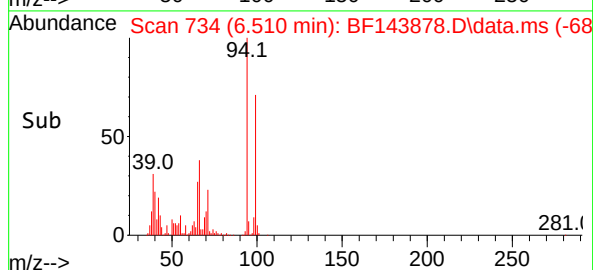
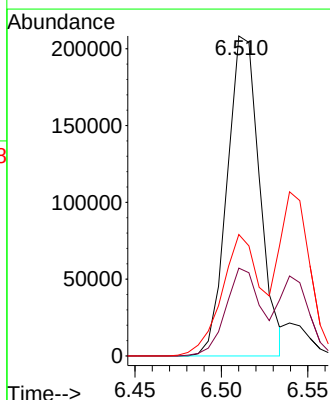
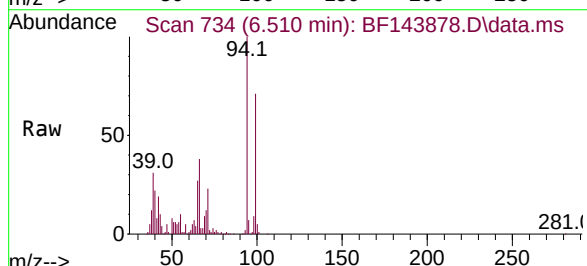
Tgt Ion: 94 Resp: 272100

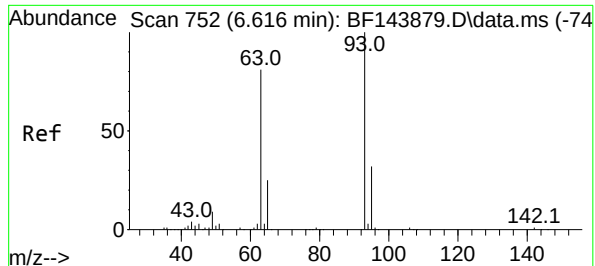
Ion Ratio Lower Upper

94 100

65 27.4 8.5 48.5

66 37.9 19.9 59.9





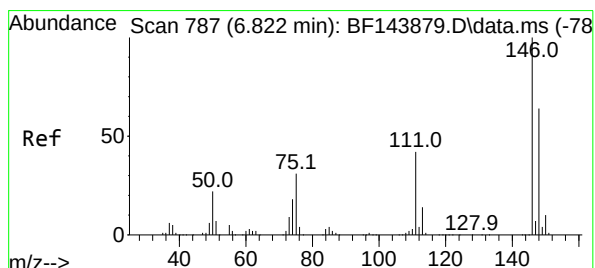
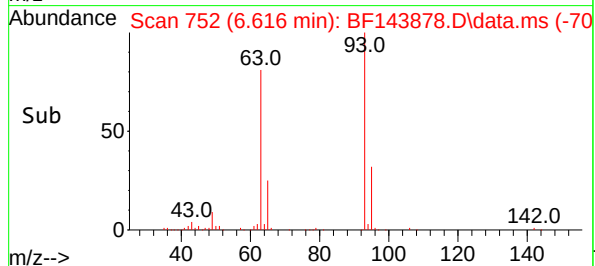
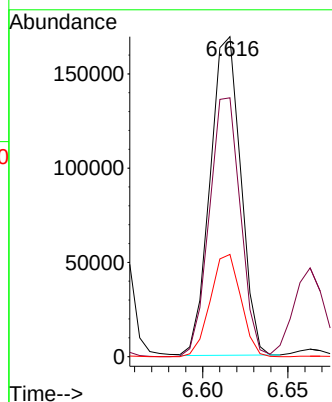
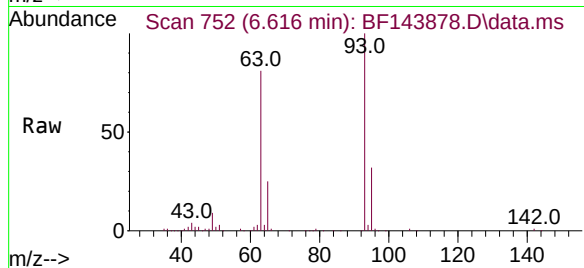
#11
bis(2-Chloroethyl)ether
Concen: 21.157 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

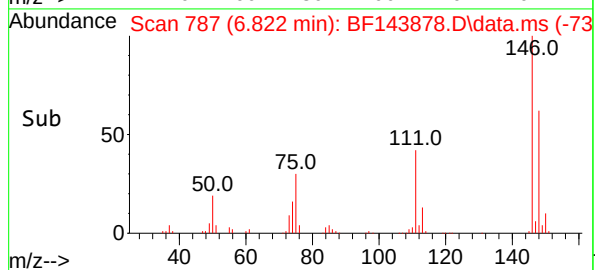
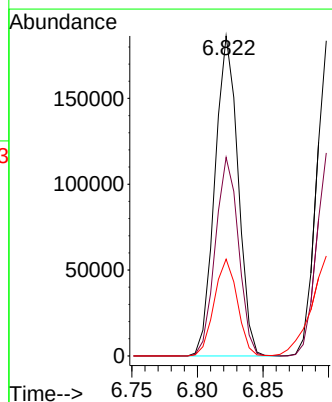
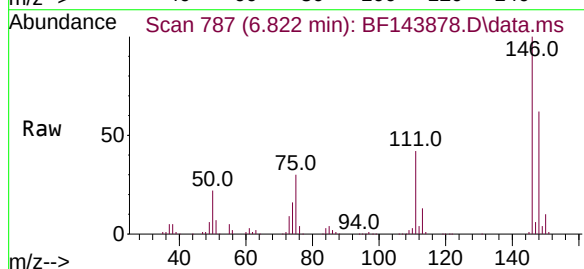
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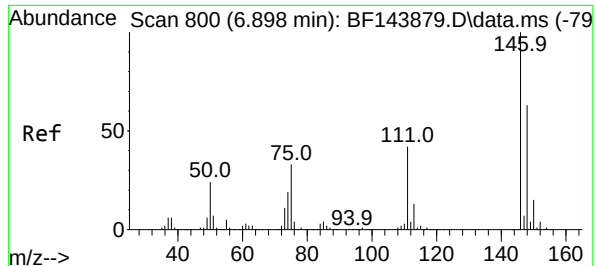
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:146 Resp: 228938
Ion Ratio Lower Upper
146 100
148 62.0 51.0 76.4
75 30.2 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 21.554 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 225703

Ion Ratio Lower Upper

146 100

148 64.4 50.5 75.7

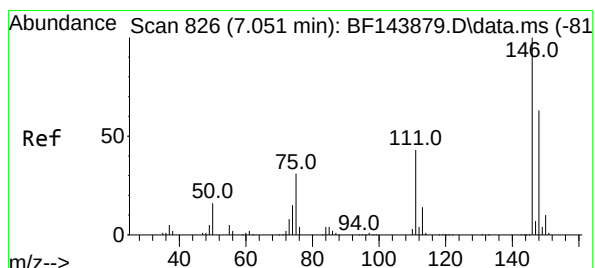
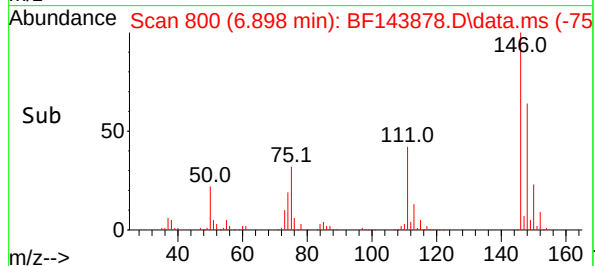
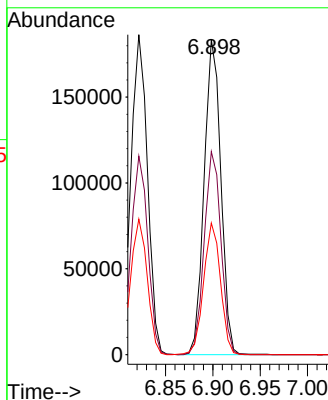
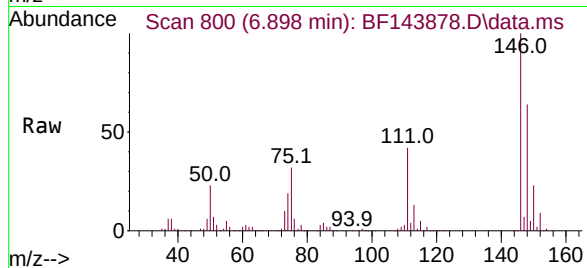
111 41.8 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#14

1,2-Dichlorobenzene

Concen: 21.555 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

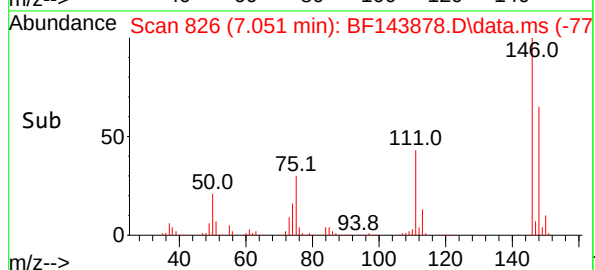
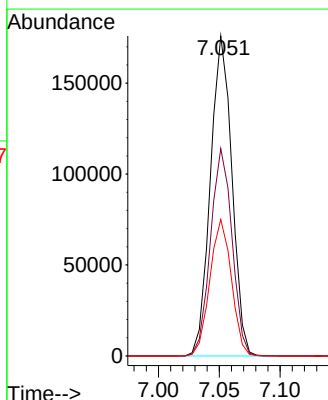
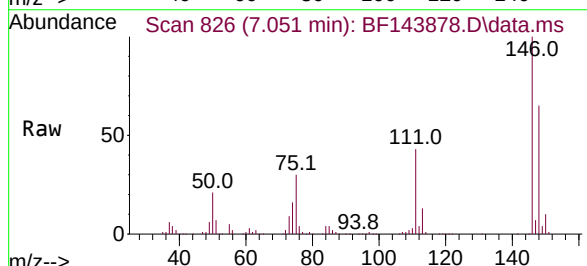
Tgt Ion:146 Resp: 216196

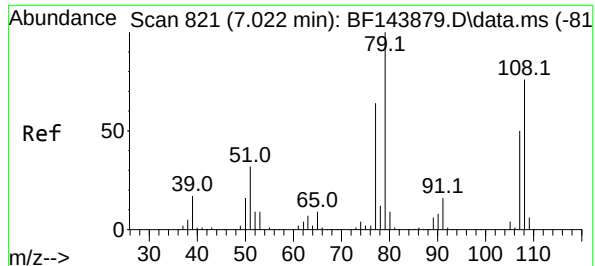
Ion Ratio Lower Upper

146 100

148 64.8 50.6 75.8

111 42.6 34.6 51.8





#15

Benzyl Alcohol

Concen: 20.241 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 164008

Ion Ratio Lower Upper

79 100

108 73.6 60.8 91.2

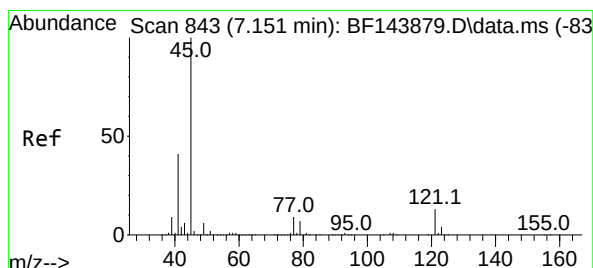
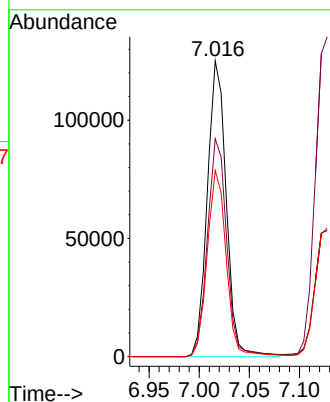
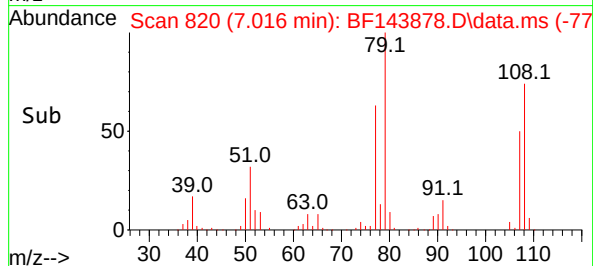
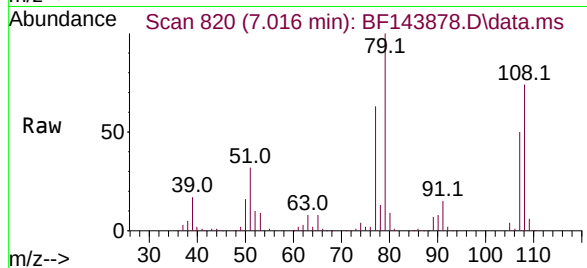
77 62.9 51.0 76.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.745 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

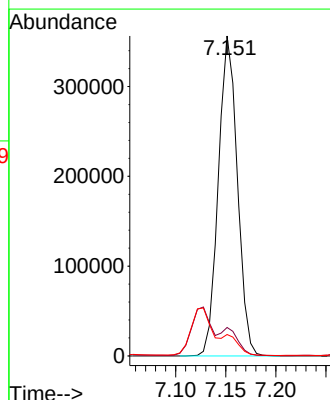
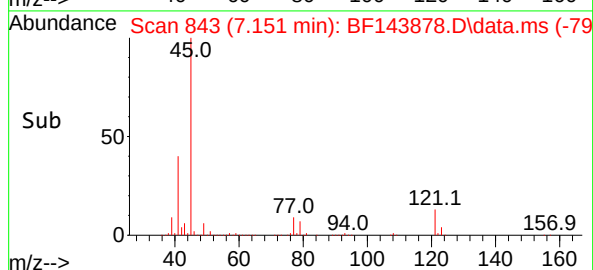
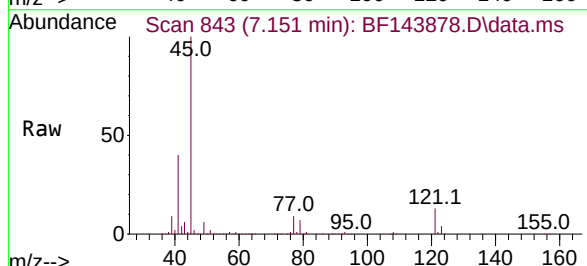
Tgt Ion: 45 Resp: 471598

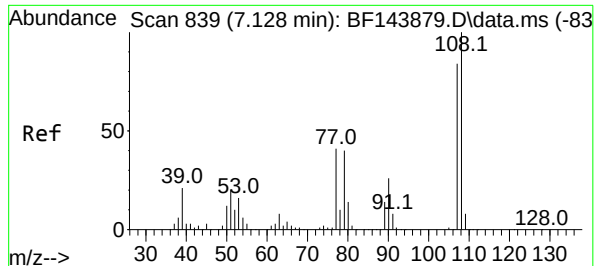
Ion Ratio Lower Upper

45 100

77 8.9 0.0 29.0

79 6.7 0.0 26.8





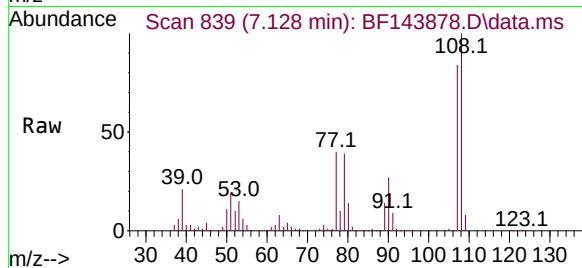
#17
2-Methylphenol
Concen: 20.616 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

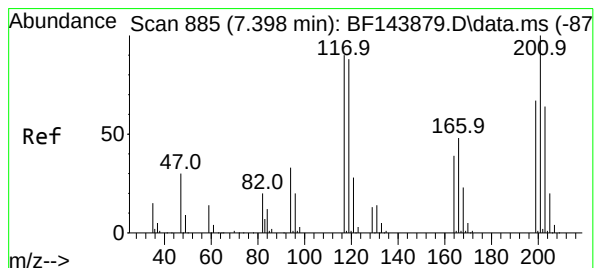
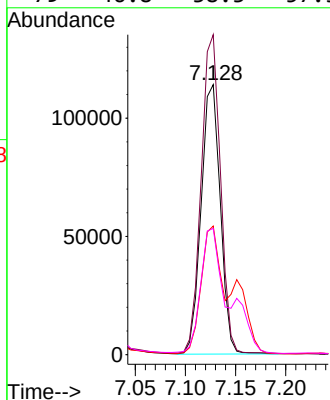
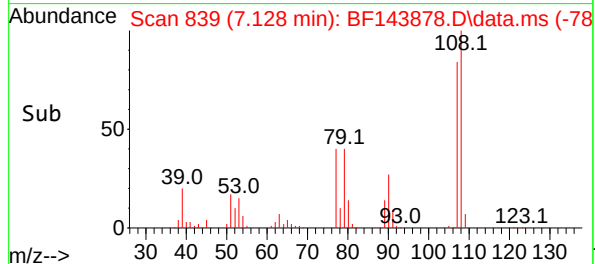
SSTDICC020



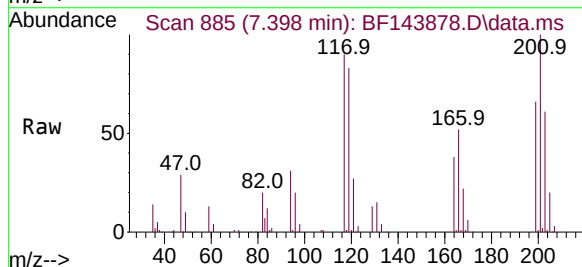
Tgt Ion	Ratio	Lower	Upper
107	100		
108	118.5	94.7	142.1
77	47.6	38.8	58.2
79	46.8	38.3	57.5

Manual Integrations
APPROVED

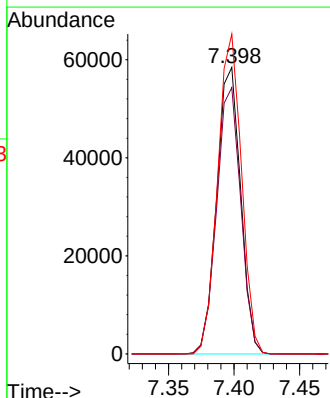
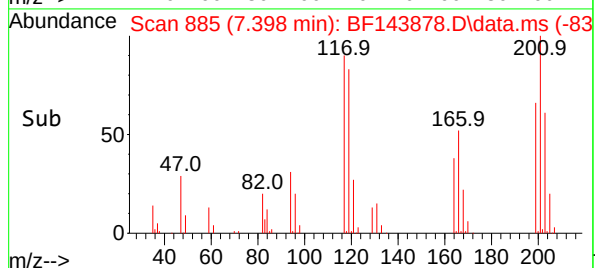
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

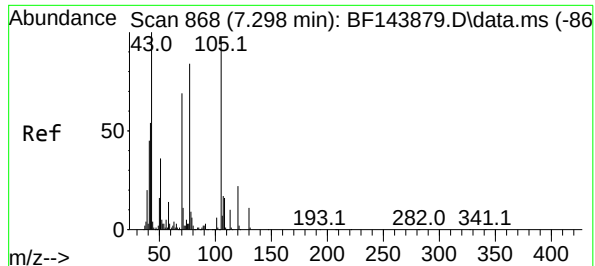


#18
Hexachloroethane
Concen: 21.232 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



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





#19

n-Nitroso-di-n-propylamine

Concen: 20.512 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.029 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 151838

Ion Ratio Lower Upper

70 100

42 79.7 62.8 94.2

101 8.5 6.7 10.1

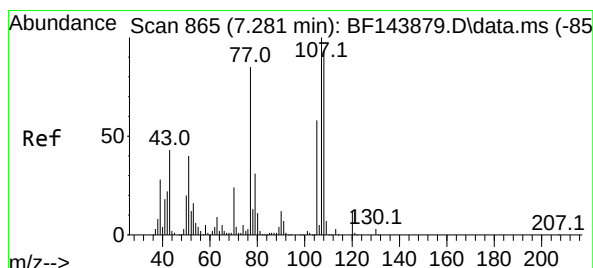
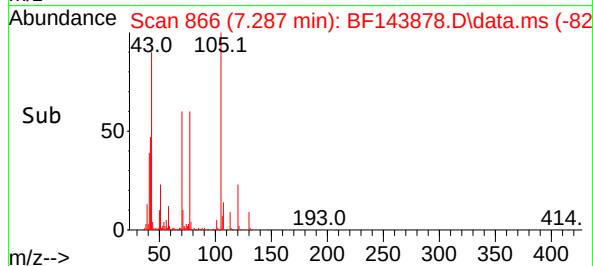
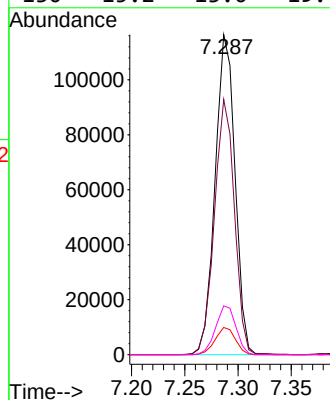
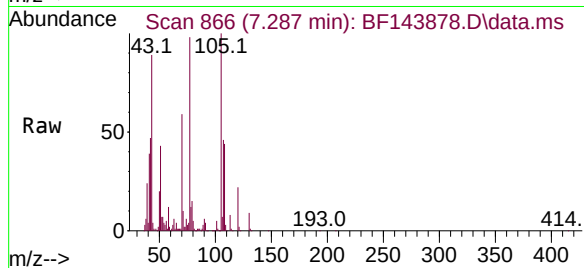
130 15.2 13.0 19.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#20

3+4-Methylphenols

Concen: 22.753 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.018 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Tgt Ion:107 Resp: 193273

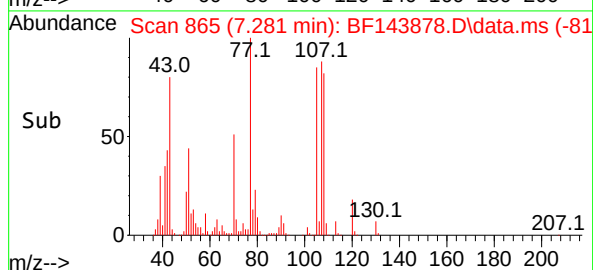
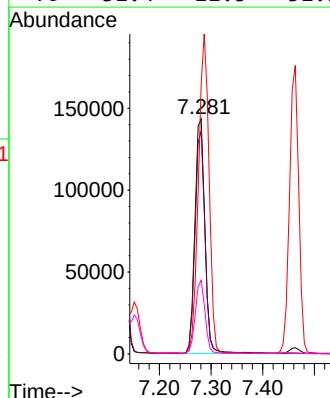
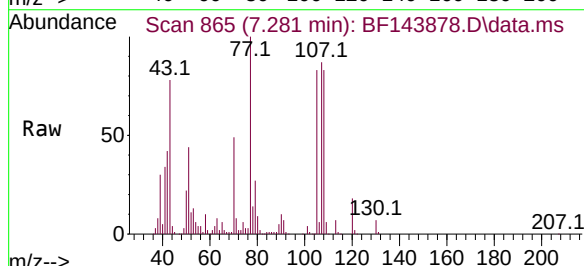
Ion Ratio Lower Upper

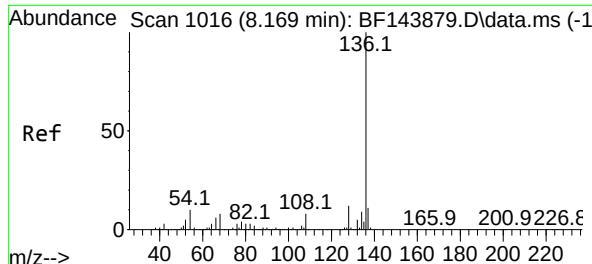
107 100

108 94.8 73.0 113.0

77 114.7 64.6 104.6#

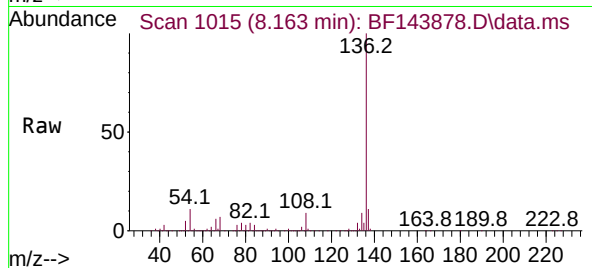
79 31.4 11.5 51.5





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

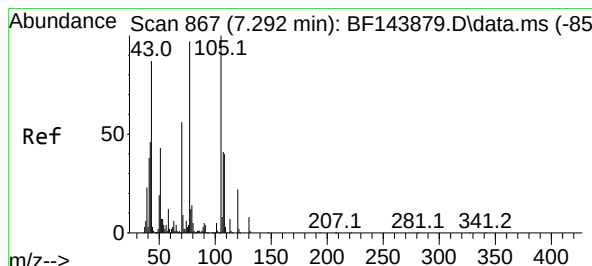
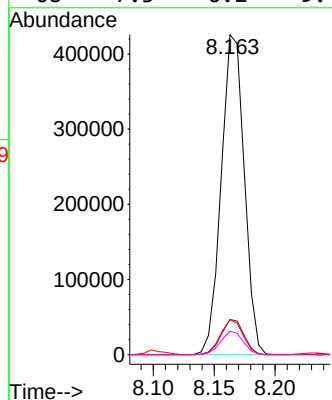
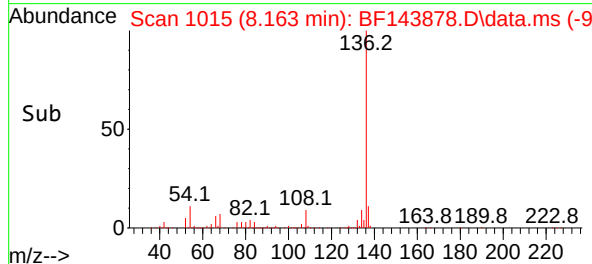
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:136 Resp: 561772
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.9 8.2 12.4
68 7.3 6.2 9.4

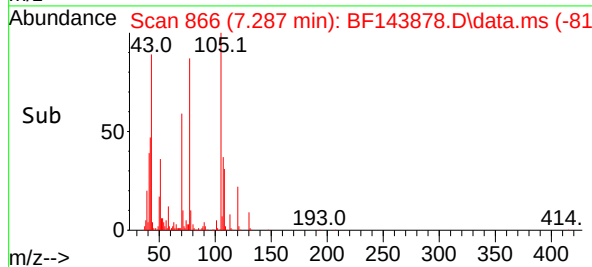
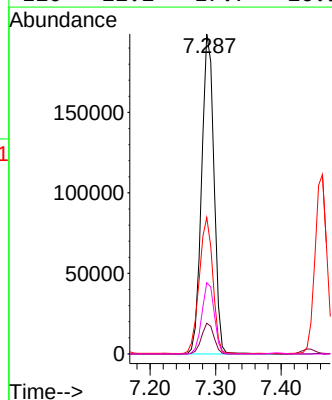
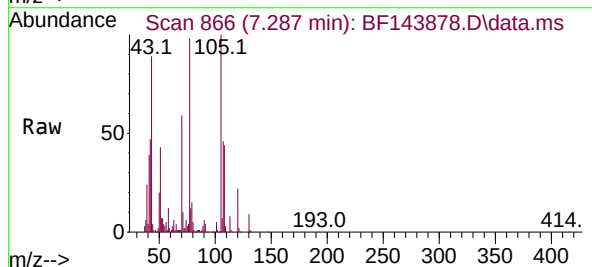
Manual Integrations
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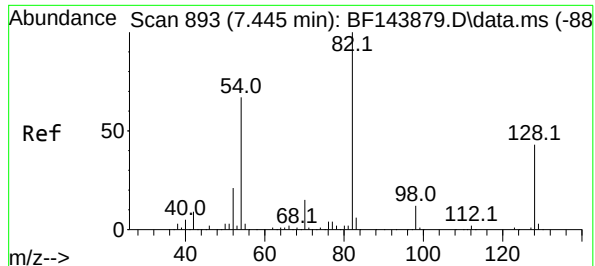
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:105 Resp: 259382
Ion Ratio Lower Upper
105 100
71 9.6 7.4 11.0
51 42.6 34.2 51.4
120 22.2 17.7 26.5





#23

Nitrobenzene-d5

Concen: 42.133 ng

RT: 7.439 min Scan# 891

Delta R.T. -0.018 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

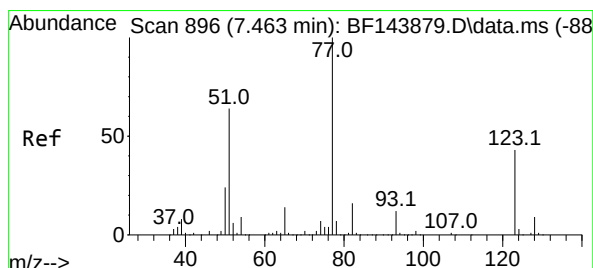
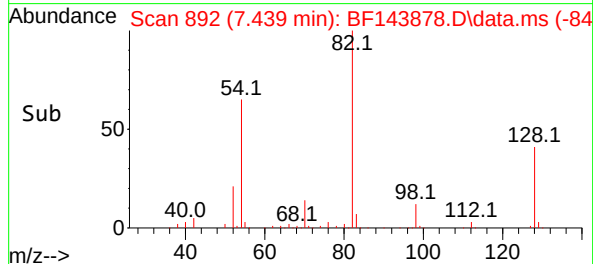
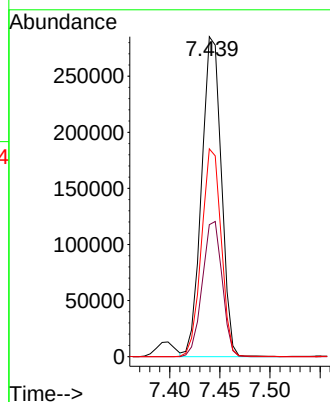
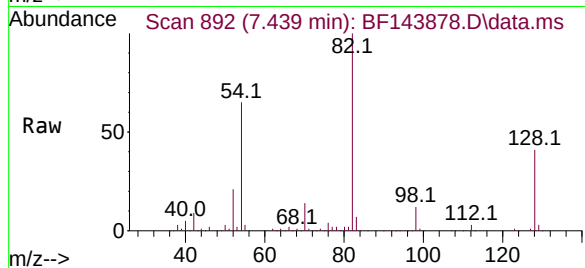
SSTDICC020

Tgt Ion: 82 Resp: 389584

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

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



#24

Nitrobenzene

Concen: 21.279 ng

RT: 7.463 min Scan# 896

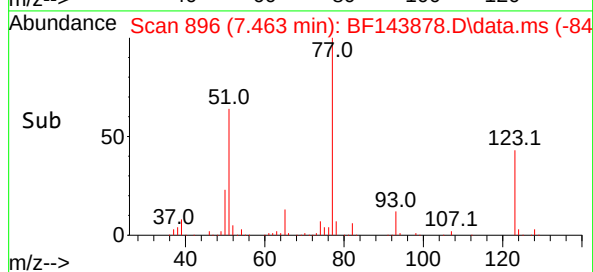
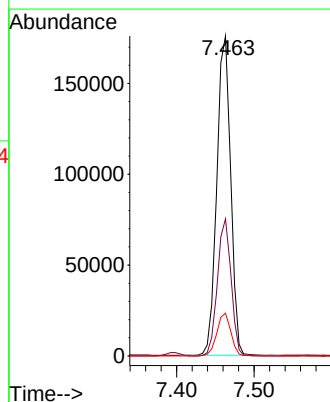
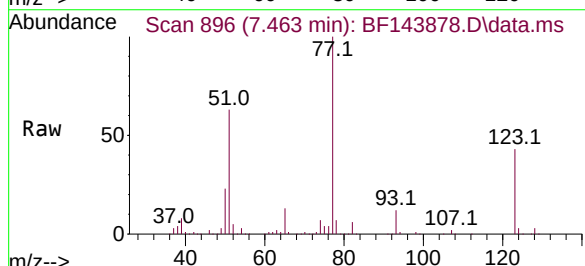
Delta R.T. -0.012 min

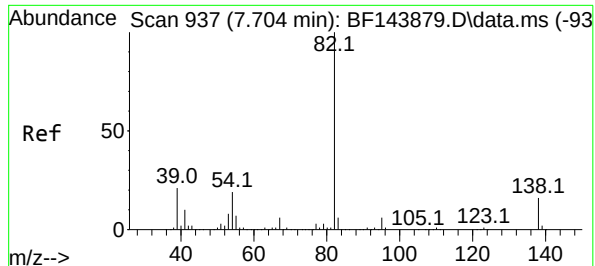
Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Tgt Ion: 77 Resp: 218497

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





#25

Isophorone

Concen: 20.393 ng

RT: 7.698 min Scan# 936

Delta R.T. -0.023 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

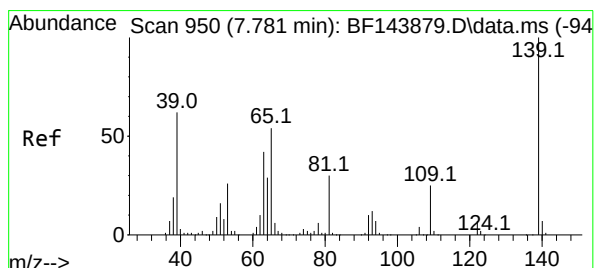
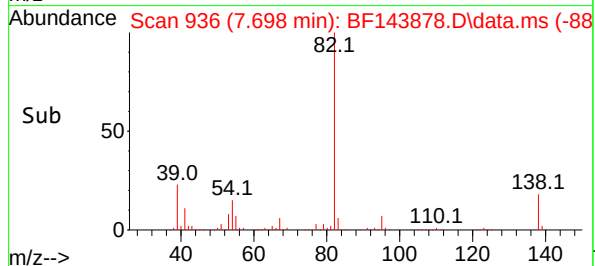
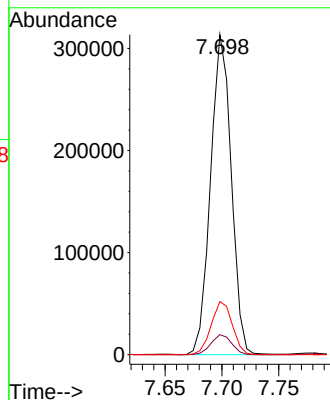
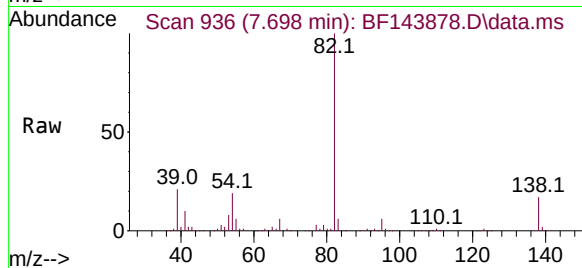
SSTDICC020

Tgt Ion:	82	Resp:	397600
Ion	Ratio	Lower	Upper
82	100		
95	6.2	5.1	7.7
138	16.6	12.9	19.3

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

Supervised By :Jagrut Upadhyay 10/07/2025



#26

2-Nitrophenol

Concen: 20.747 ng

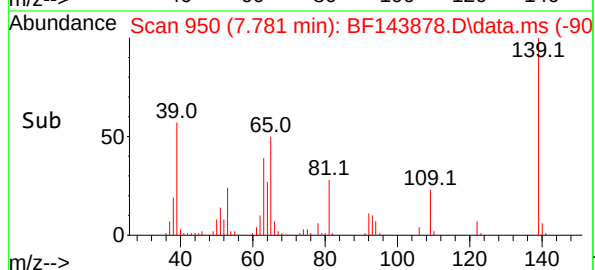
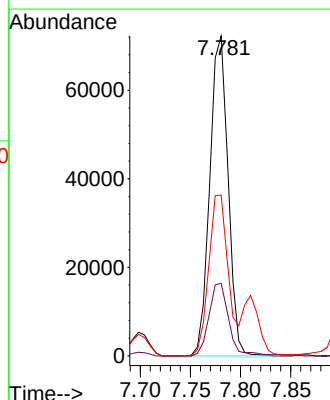
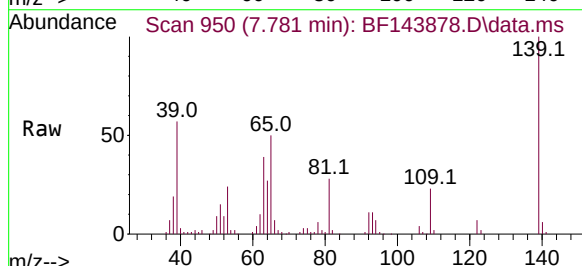
RT: 7.781 min Scan# 950

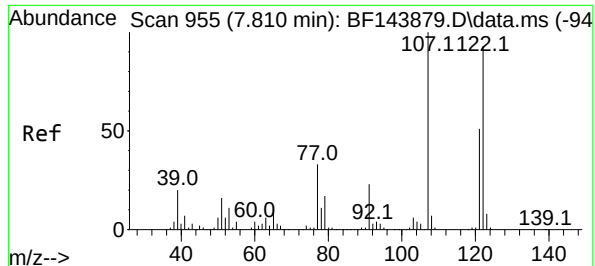
Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Tgt Ion:	139	Resp:	91336
Ion	Ratio	Lower	Upper
139	100		
109	22.7	19.8	29.6
65	50.3	42.9	64.3





#27

2,4-Dimethylphenol

Concen: 20.682 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:122 Resp: 163783

Ion Ratio Lower Upper

122 100

107 105.9 86.1 129.1

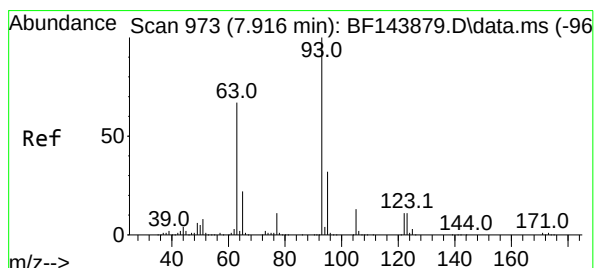
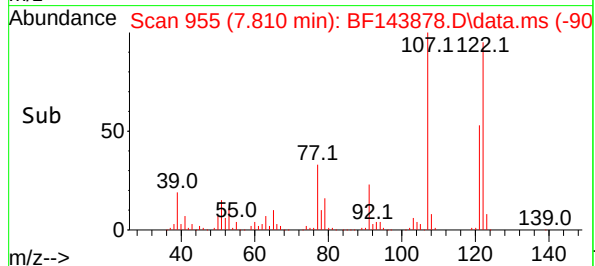
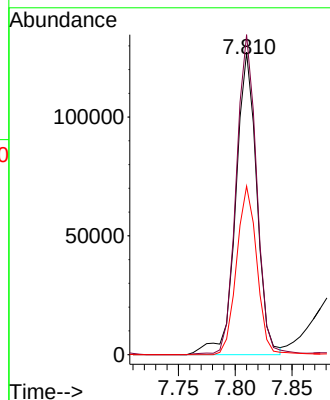
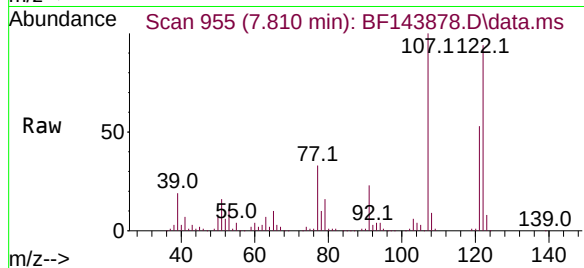
121 55.8 43.8 65.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#28

bis(2-Chloroethoxy)methane

Concen: 21.131 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

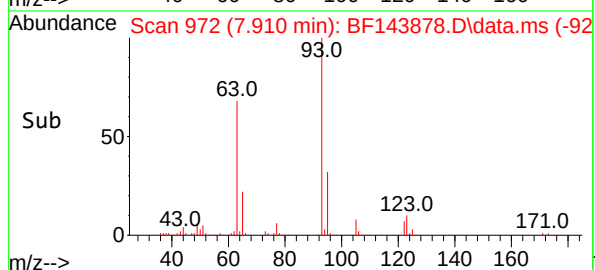
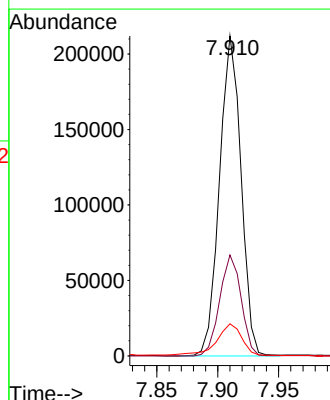
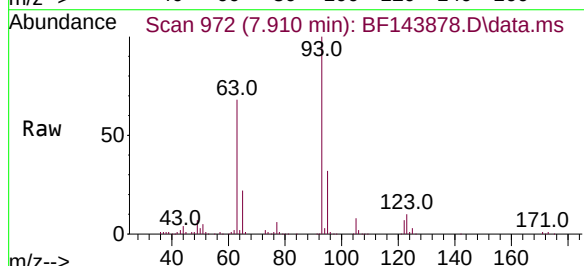
Tgt Ion: 93 Resp: 260252

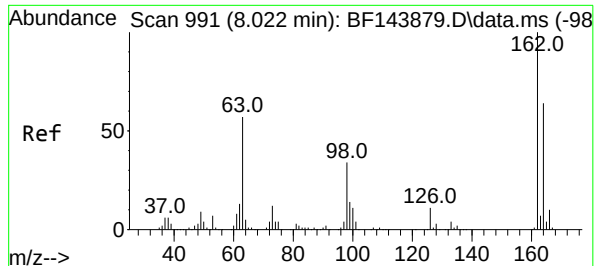
Ion Ratio Lower Upper

93 100

95 31.5 25.9 38.9

123 10.0 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 21.328 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

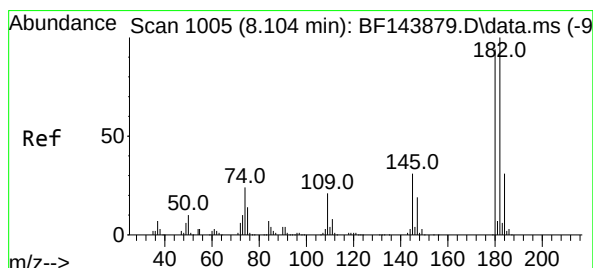
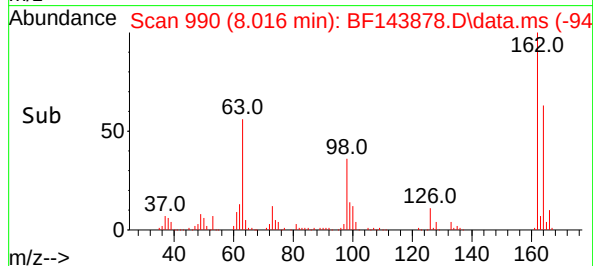
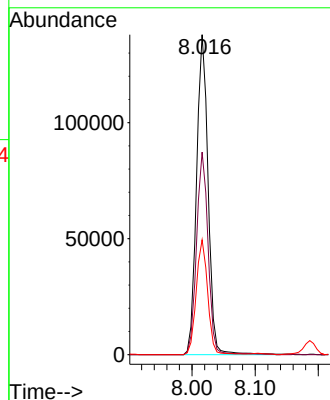
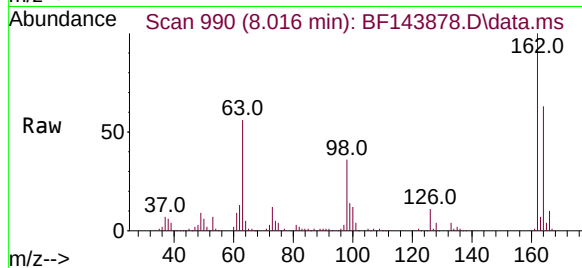
SSTDICC020

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

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#30

1,2,4-Trichlorobenzene

Concen: 21.234 ng

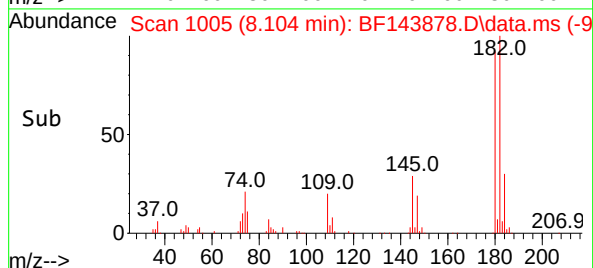
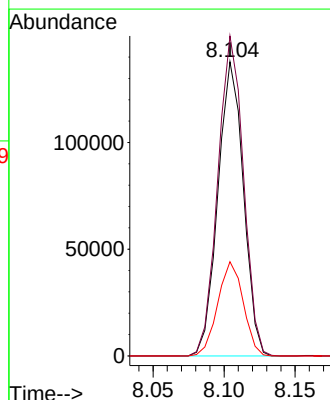
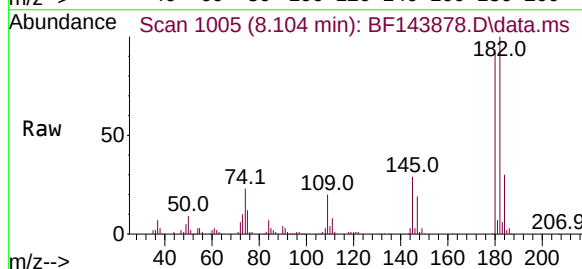
RT: 8.104 min Scan# 1005

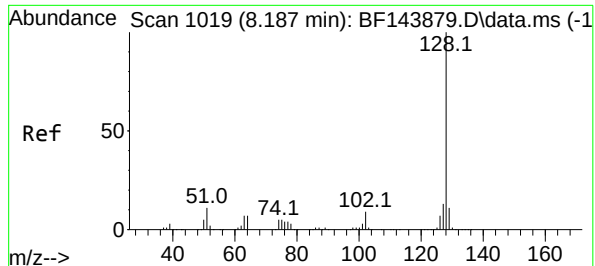
Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

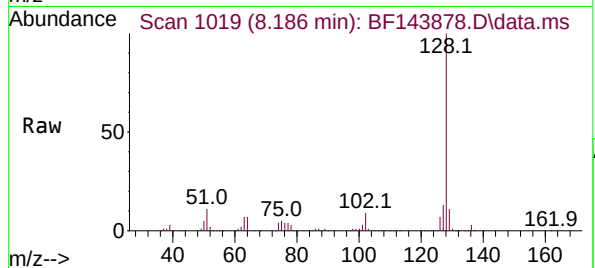
Tgt Ion	180	182	145
Ratio	100	108.8	32.0
Lower		85.4	26.3
Upper		128.0	39.5





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

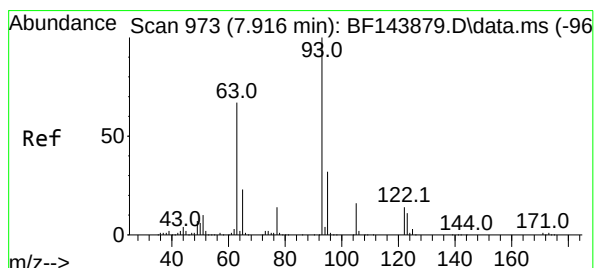
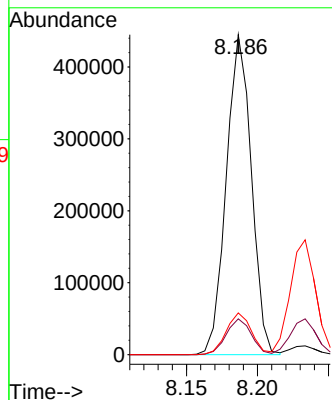
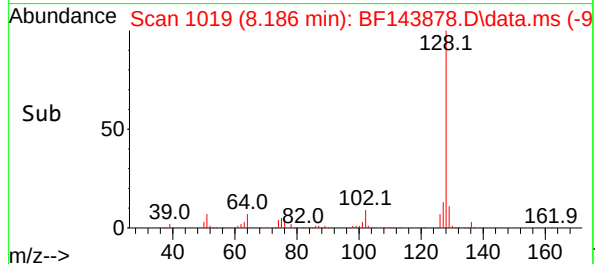
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:128 Resp: 54597
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.1 10.0 15.0

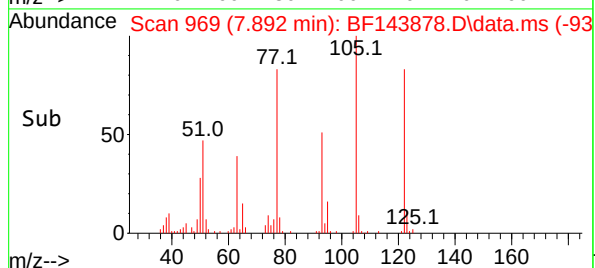
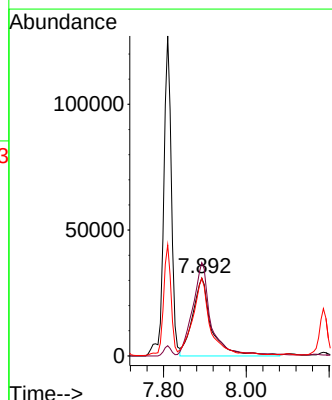
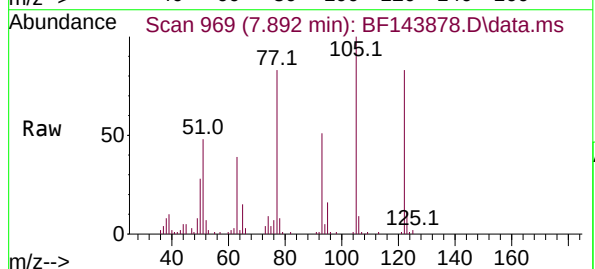
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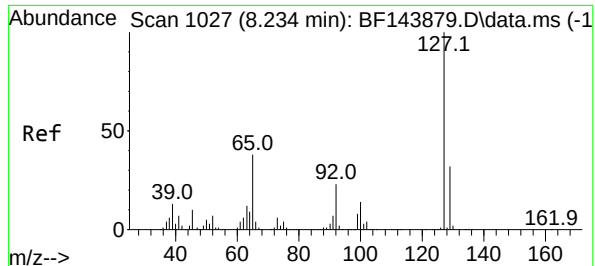
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:122 Resp: 98172
Ion Ratio Lower Upper
122 100
105 120.1 93.5 133.5
77 100.0 76.3 116.3





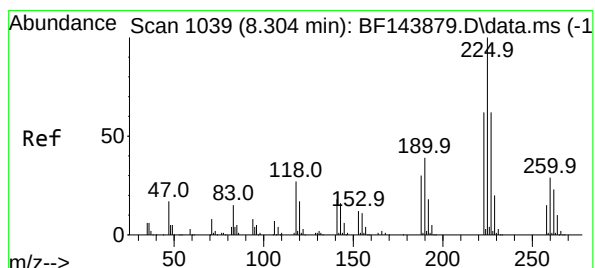
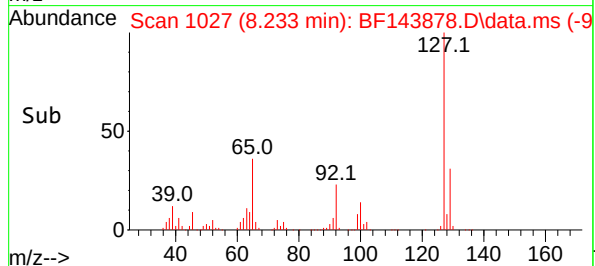
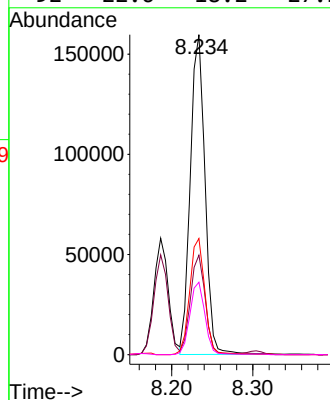
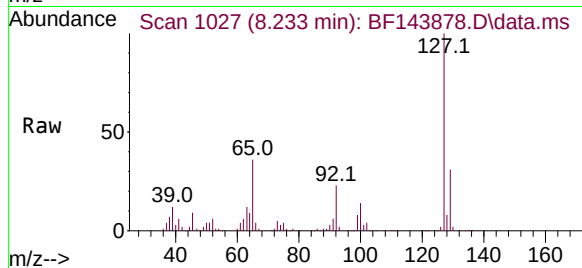
#33
4-Chloroaniline
Concen: 20.924 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 200545
Ion Ratio Lower Upper
127 100
129 31.1 25.8 38.8
65 36.3 30.0 45.0
92 22.6 18.2 27.2

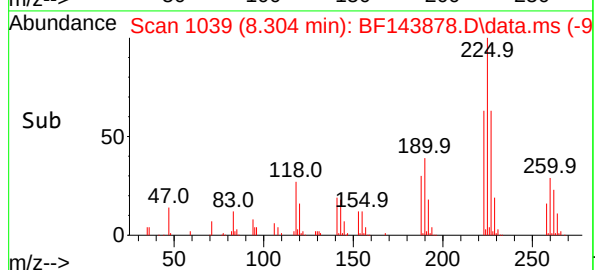
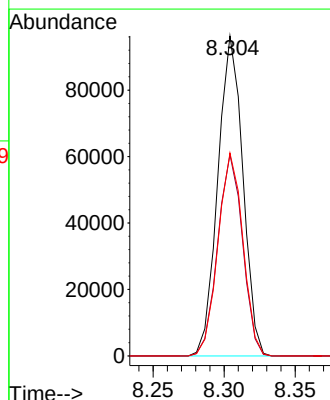
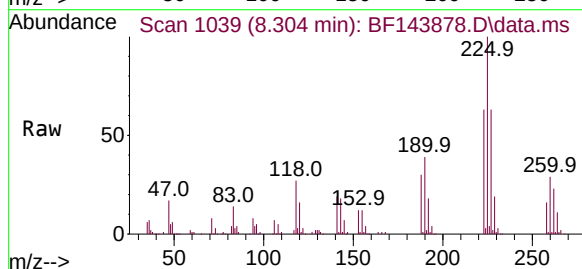
Manual Integrations
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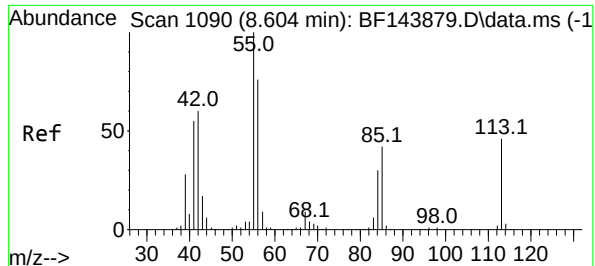
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:225 Resp: 118056
Ion Ratio Lower Upper
225 100
223 62.9 49.4 74.2
227 63.4 49.7 74.5





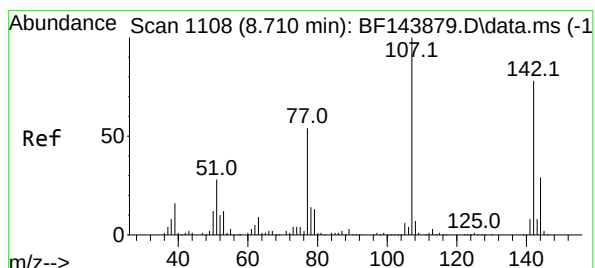
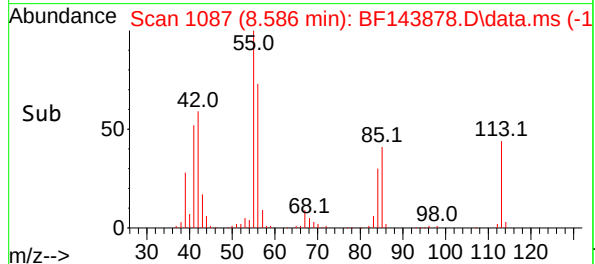
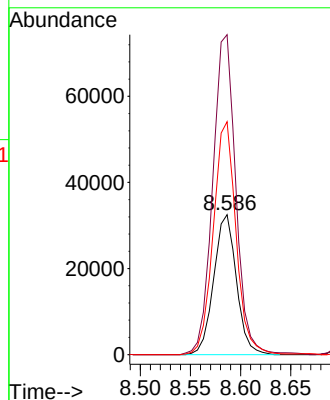
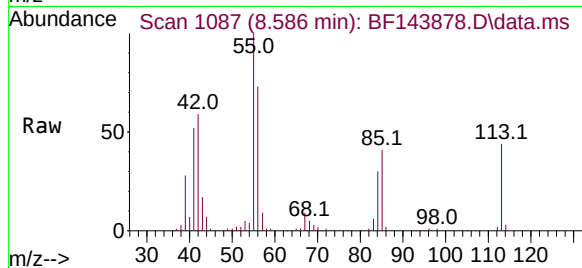
#35
Caprolactam
Concen: 19.505 ng
RT: 8.586 min Scan# 1090
Delta R.T. -0.059 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
Client Sample Id :
SSTDICC020

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

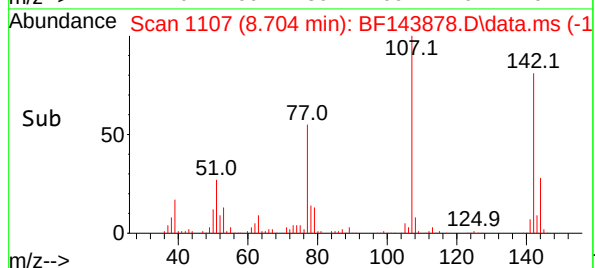
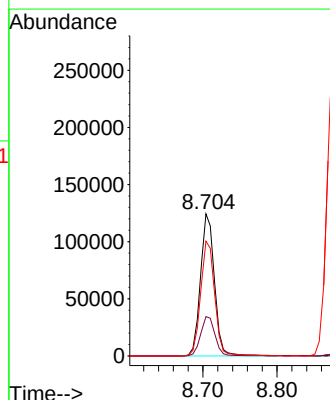
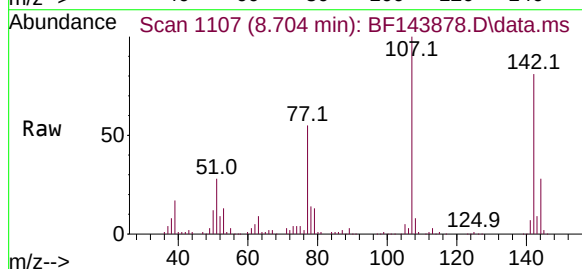
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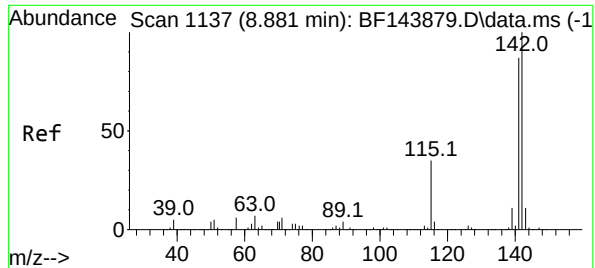
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:107 Resp: 162629
Ion Ratio Lower Upper
107 100
144 27.7 23.1 34.7
142 80.8 62.6 94.0





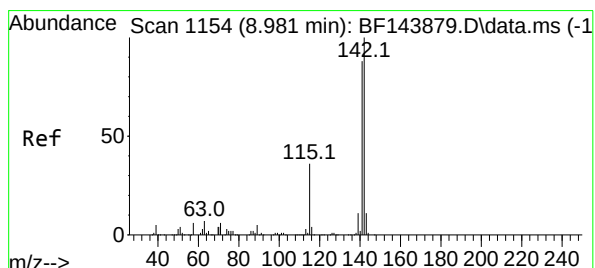
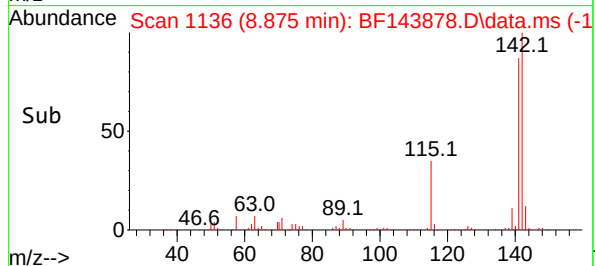
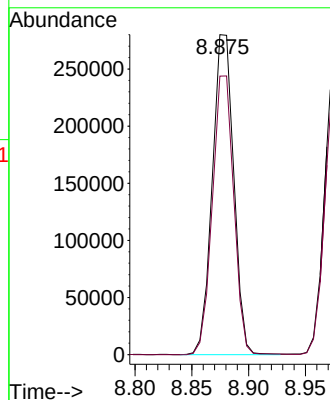
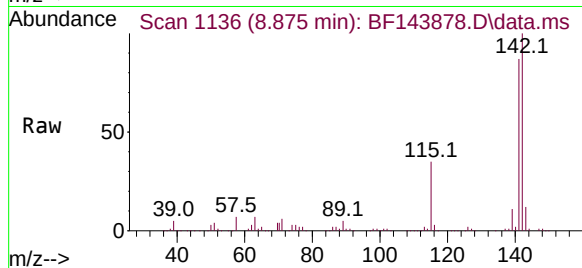
#37
2-Methylnaphthalene
Concen: 21.583 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 367401
Ion Ratio Lower Upper
142 100
141 87.0 69.2 103.8

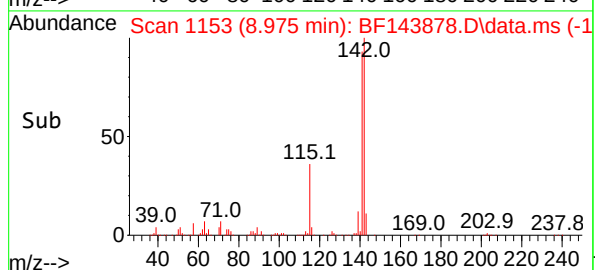
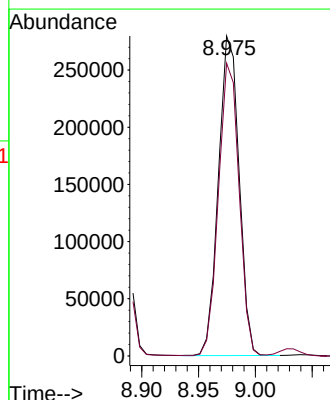
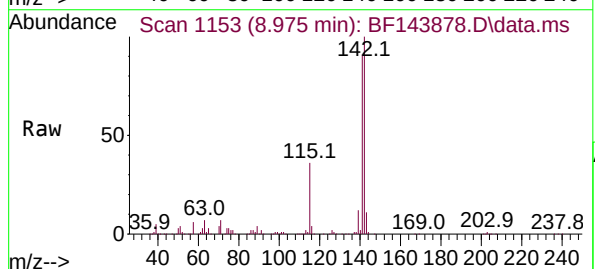
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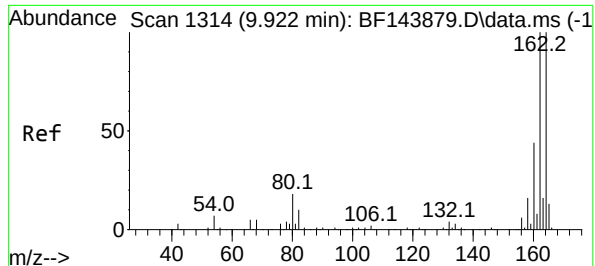
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:142 Resp: 353459
Ion Ratio Lower Upper
142 100
141 91.5 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143878.D

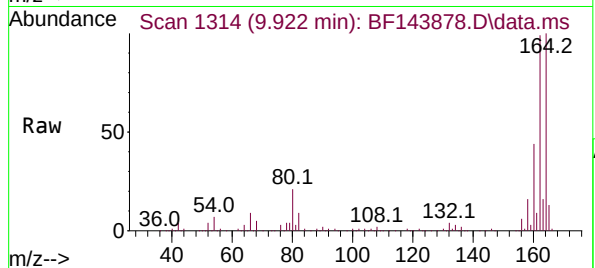
Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 311297

Ion Ratio Lower Upper

164 100

162 98.6 80.2 120.2

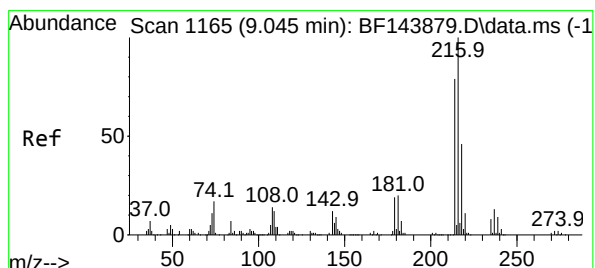
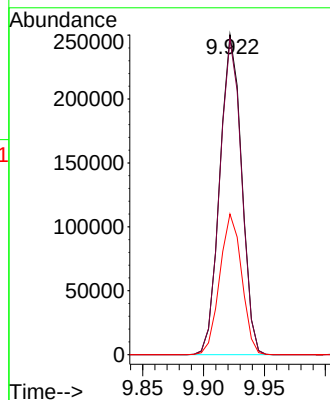
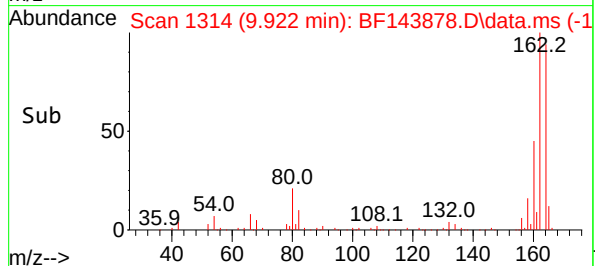
160 43.9 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

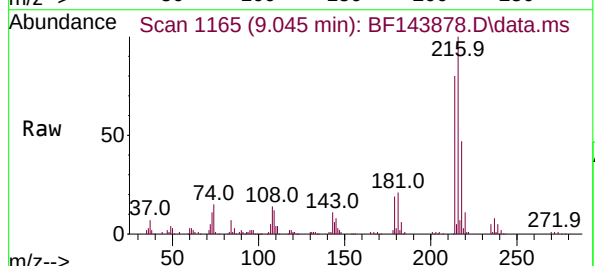
Concen: 21.523 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56



Tgt Ion:216 Resp: 185181

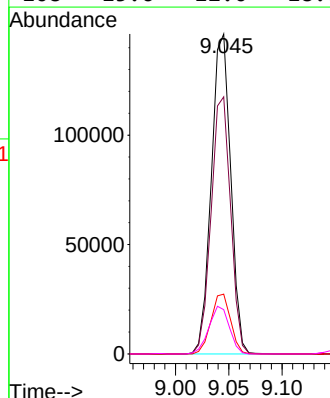
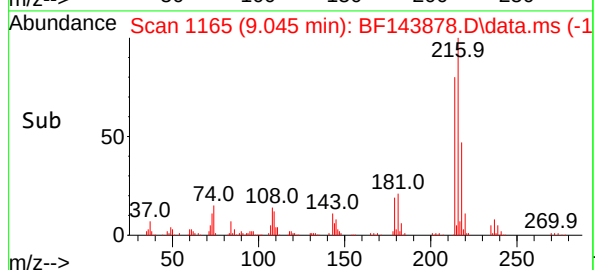
Ion Ratio Lower Upper

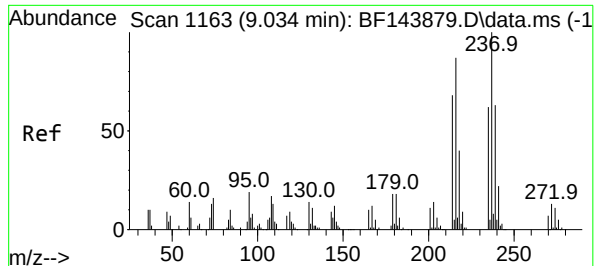
216 100

214 80.8 62.6 94.0

179 18.9 15.4 23.0

108 15.6 12.0 18.0





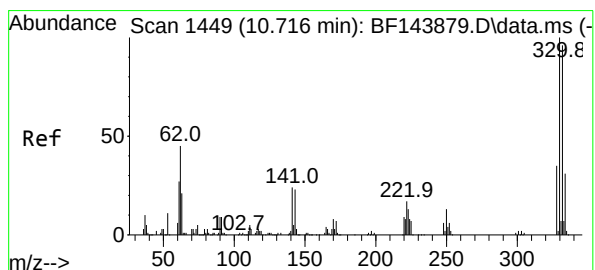
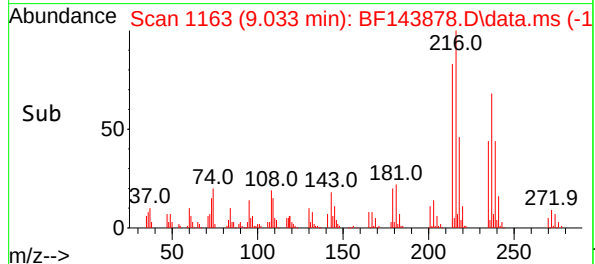
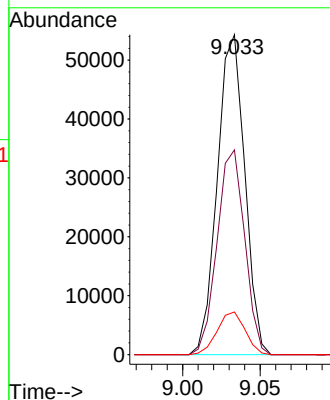
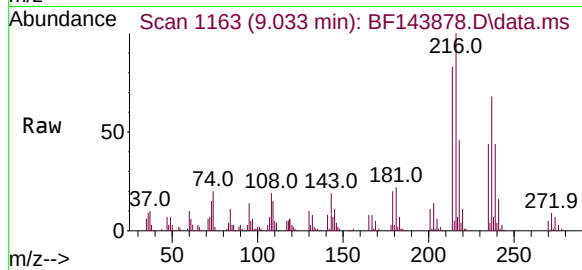
#41
Hexachlorocyclopentadiene
Concen: 18.807 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
Client Sample Id :
SSTDICC020

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

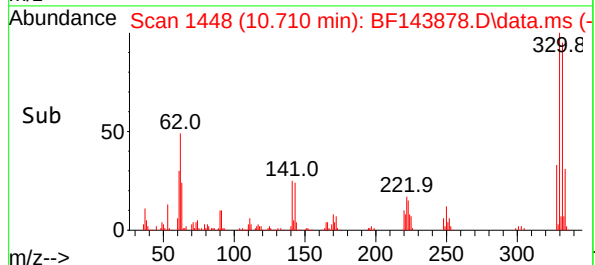
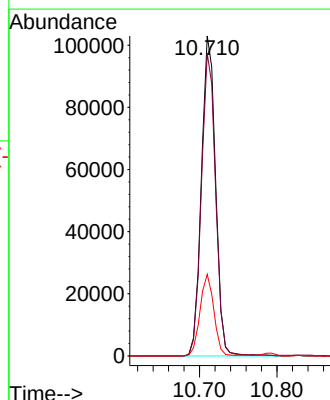
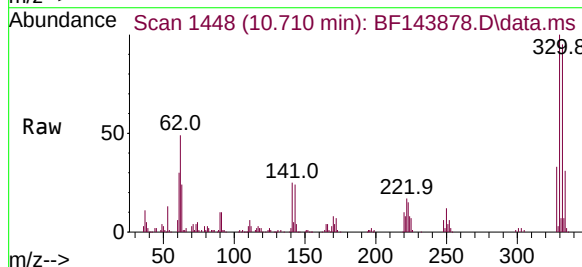
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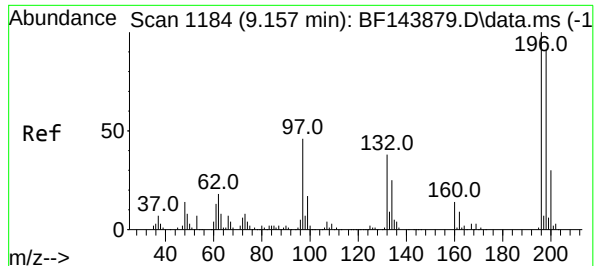
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion: 330 Resp: 130577
Ion Ratio Lower Upper
330 100
332 94.8 76.9 115.3
141 24.8 20.2 30.4





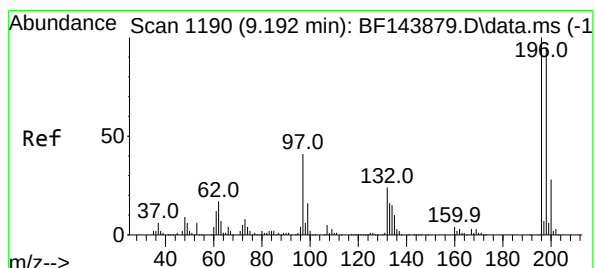
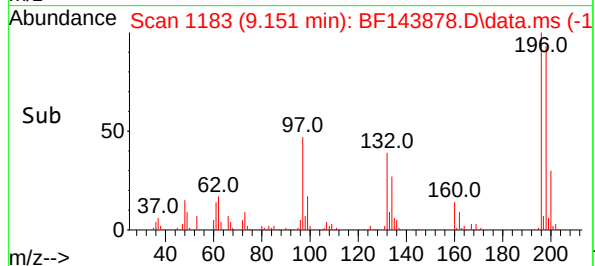
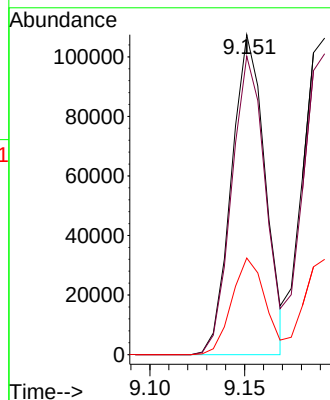
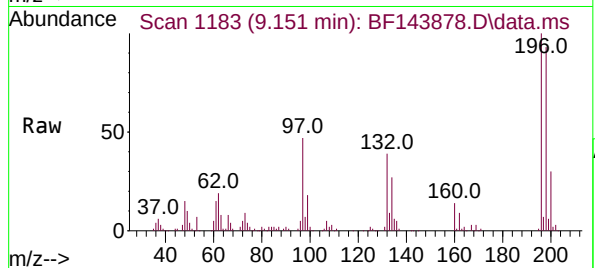
#43
2,4,6-Trichlorophenol
Concen: 21.116 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 13274
Ion Ratio Lower Upper
196 100
198 93.3 72.8 109.2
200 30.2 24.0 36.0

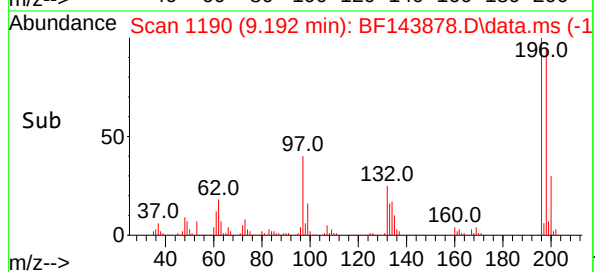
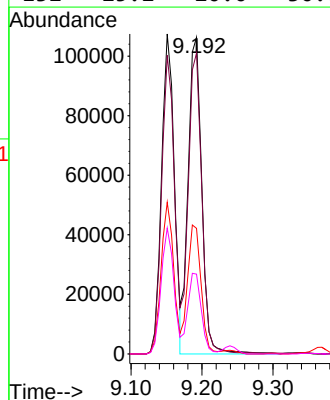
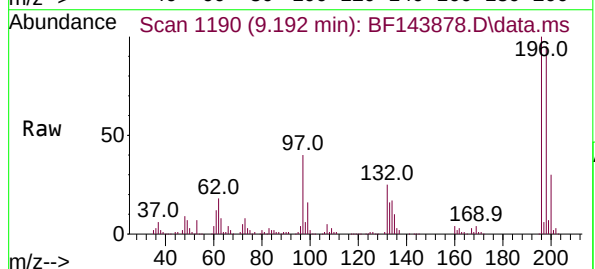
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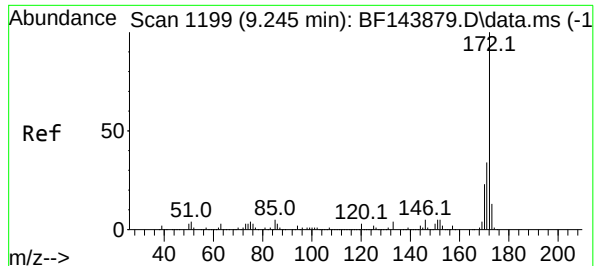
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:196 Resp: 143043
Ion Ratio Lower Upper
196 100
198 95.0 75.5 113.3
97 39.6 33.9 50.9
132 25.2 20.0 30.0





#45

2-Fluorobiphenyl

Concen: 42.367 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:172 Resp: 831185

Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.0

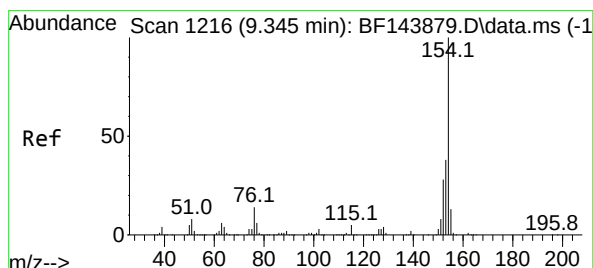
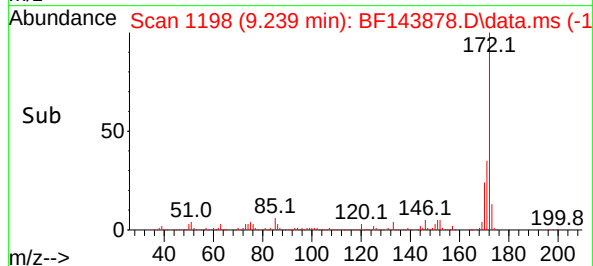
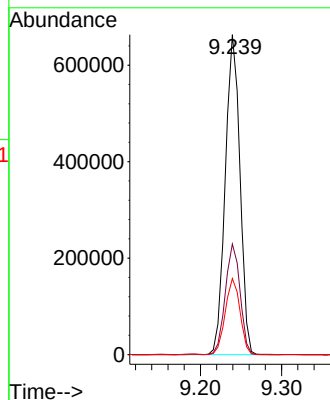
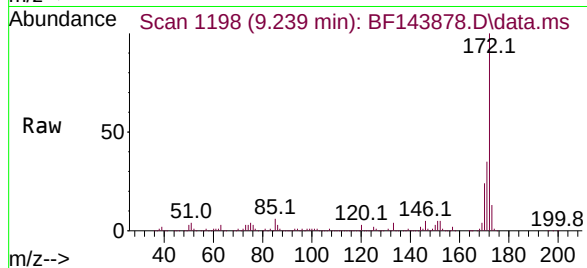
170 23.8 18.6 28.0

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#46

1,1'-Biphenyl

Concen: 21.868 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

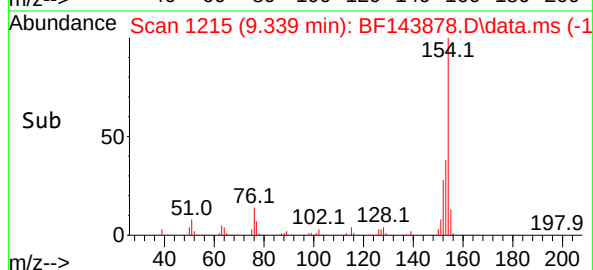
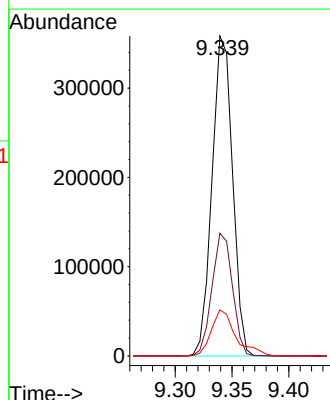
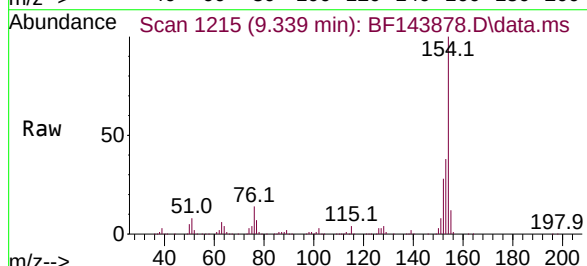
Tgt Ion:154 Resp: 450706

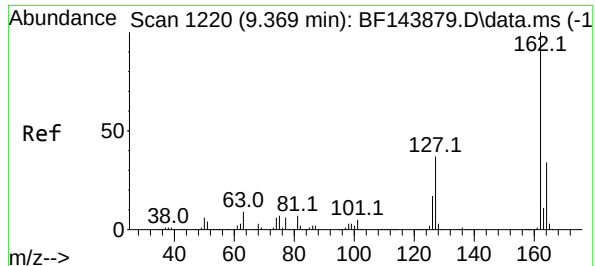
Ion Ratio Lower Upper

154 100

153 38.3 18.4 58.4

76 14.4 0.0 34.0





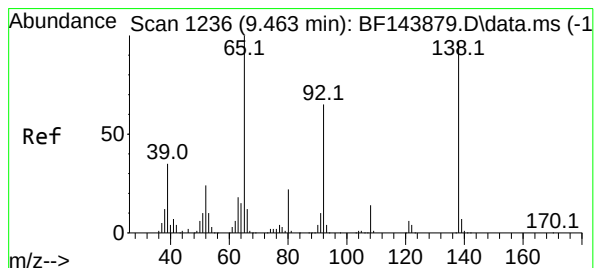
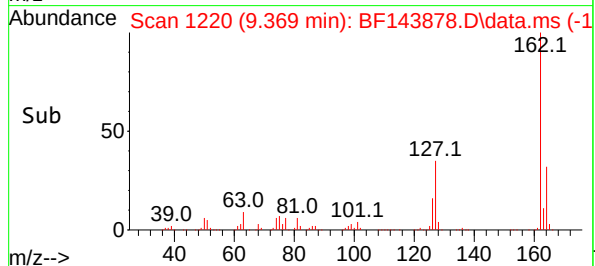
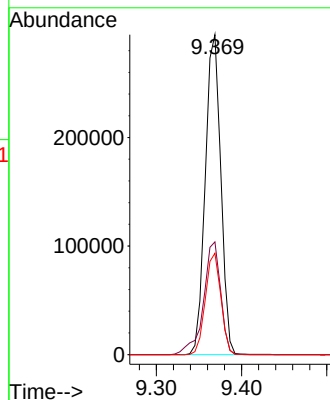
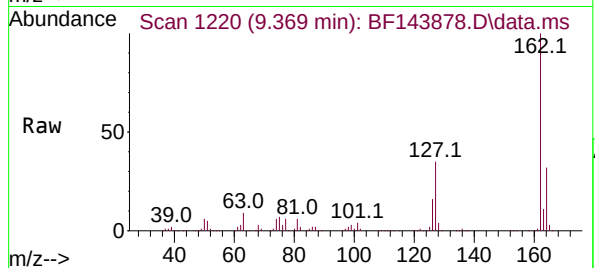
#47
2-Chloronaphthalene
Concen: 21.679 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

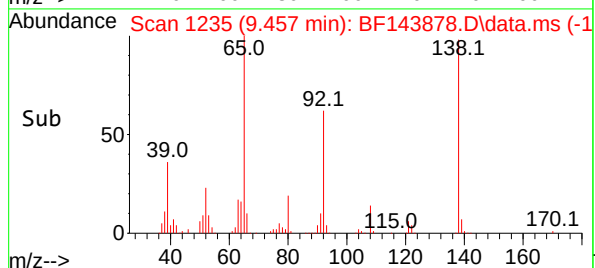
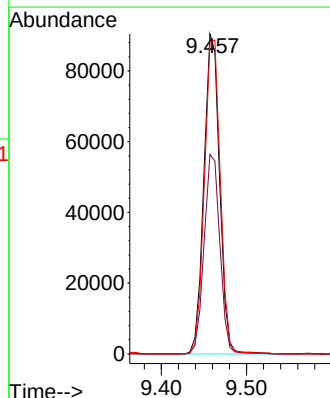
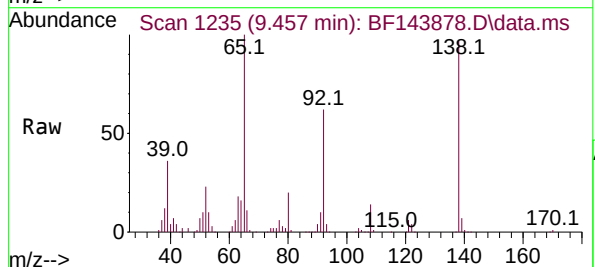
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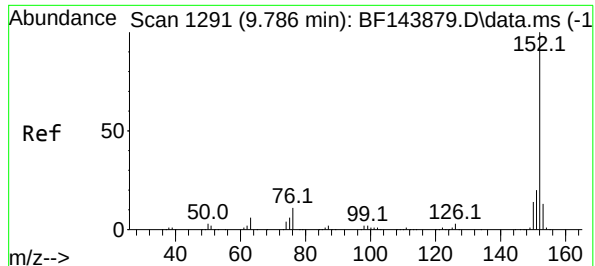
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion: 65 Resp: 115519
Ion Ratio Lower Upper
65 100
92 62.3 52.1 78.1
138 97.4 77.4 116.2





#49

Acenaphthylene

Concen: 21.234 ng

RT: 9.780 min Scan# 1290

Delta R.T. -0.006 min

Lab File: BF143878.D

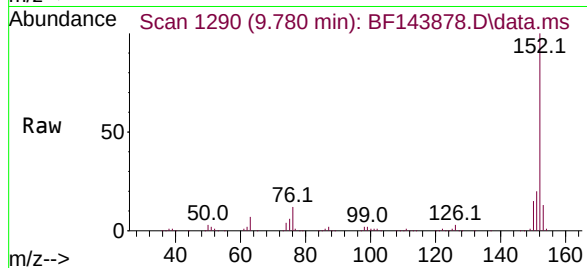
Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:152 Resp: 512980

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

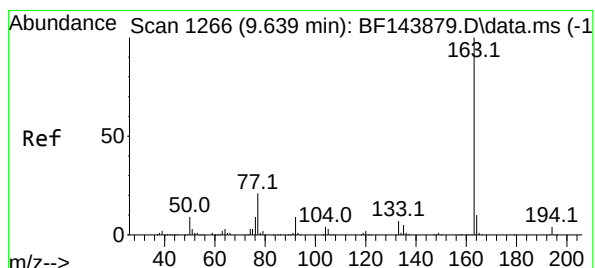
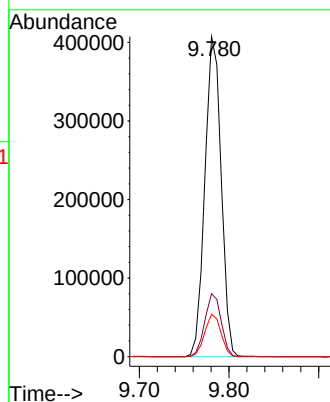
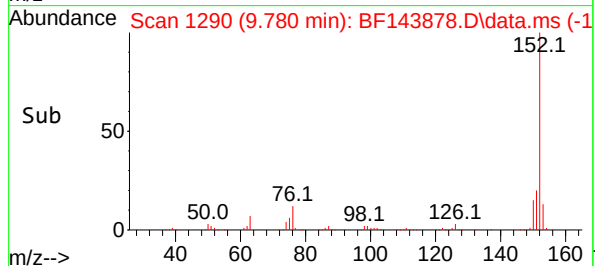
153 13.3 10.5 15.7

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#50

Dimethylphthalate

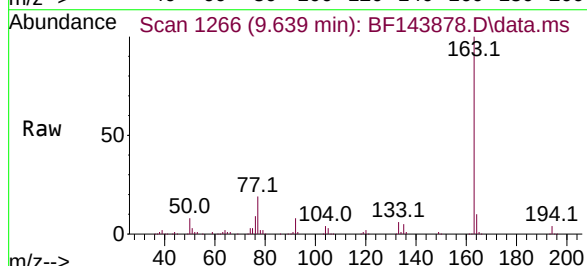
Concen: 21.011 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56



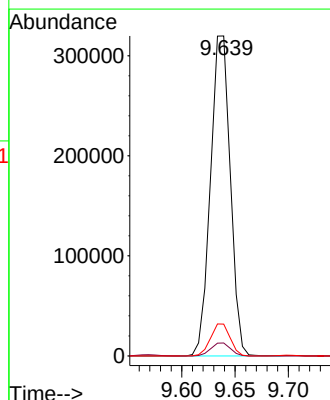
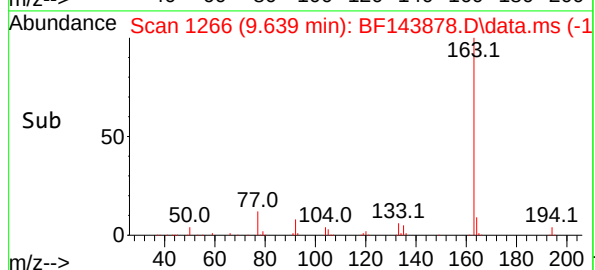
Tgt Ion:163 Resp: 415359

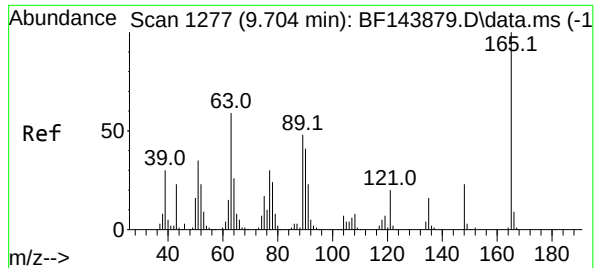
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

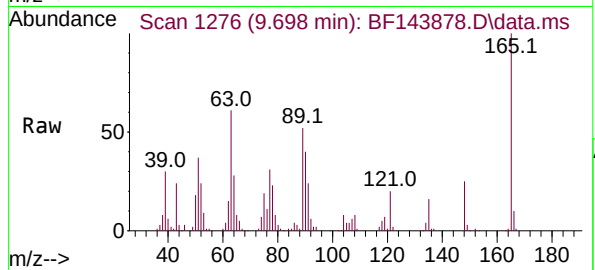
164 9.9 8.1 12.1





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

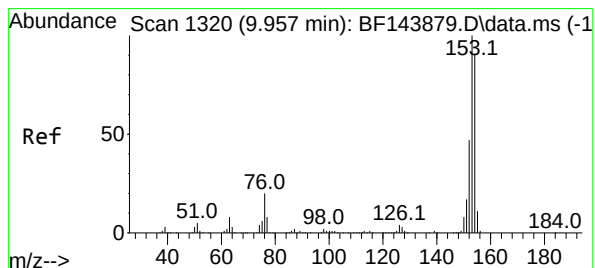
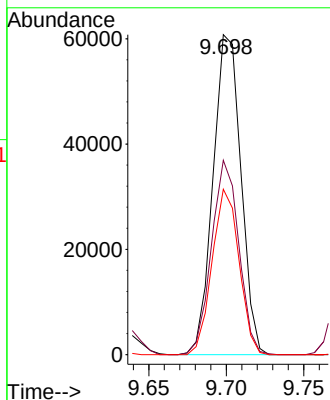
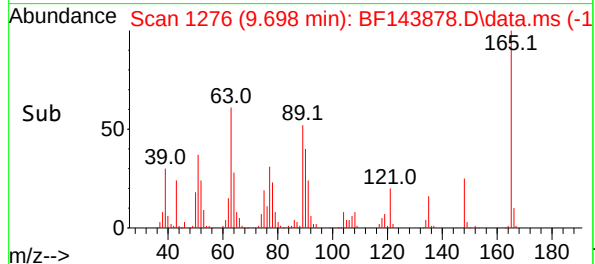
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

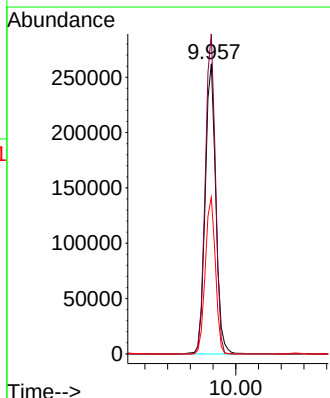
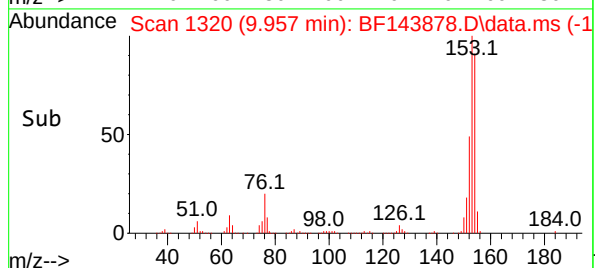
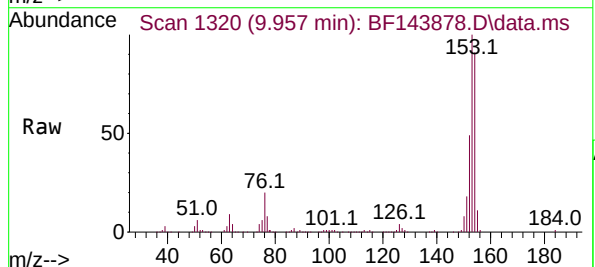
Manual Integrations
APPROVED

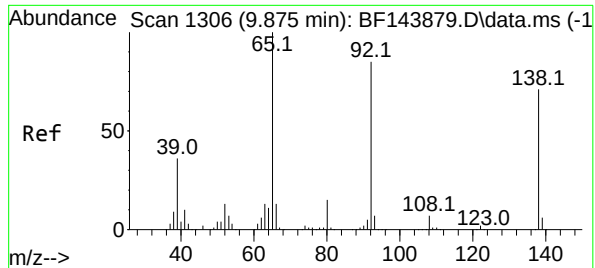
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

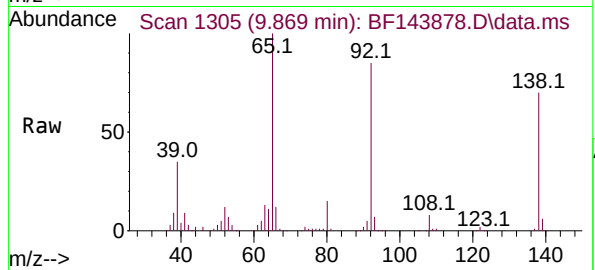
Tgt Ion:154 Resp: 341066
Ion Ratio Lower Upper
154 100
153 110.3 89.3 133.9
152 54.0 42.2 63.2





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

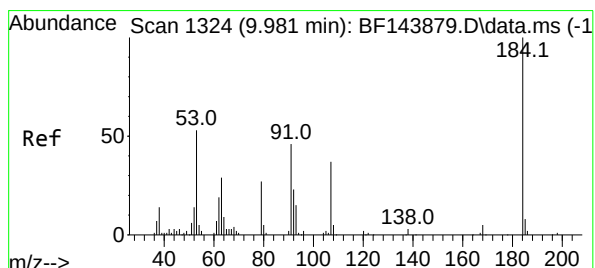
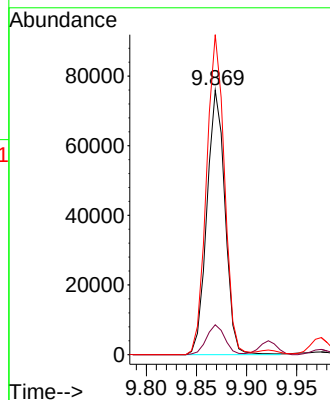
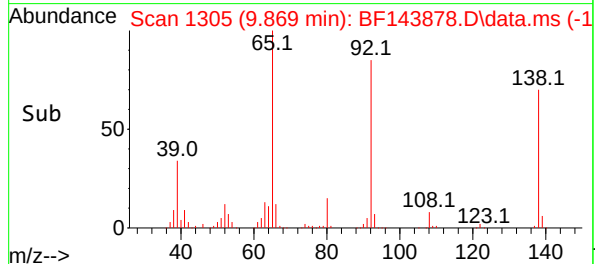
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

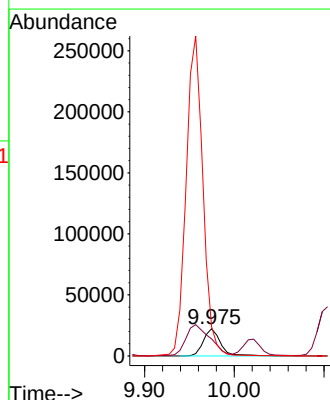
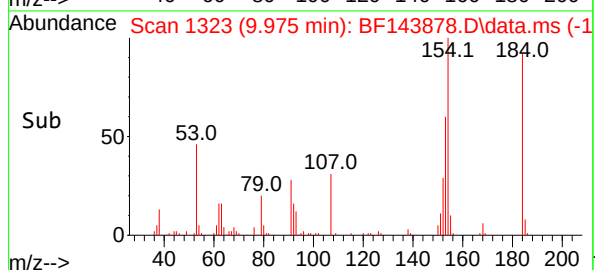
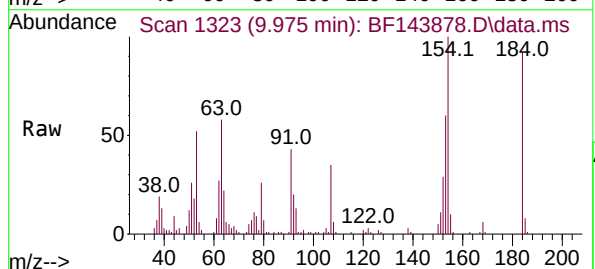
Manual Integrations
APPROVED

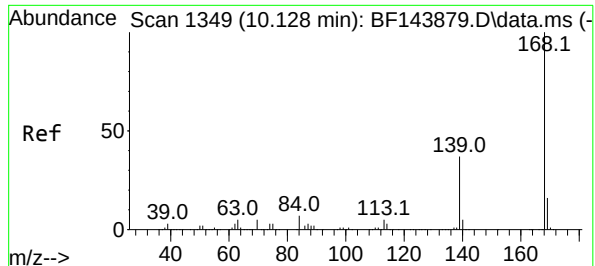
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:184 Resp: 29199
Ion Ratio Lower Upper
184 100
63 63.1 48.2 72.4
154 108.6 49.2 73.8#





#55

Dibenzofuran

Concen: 21.894 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:168 Resp: 489250

Ion Ratio Lower Upper

168 100

139 35.9 29.8 44.8

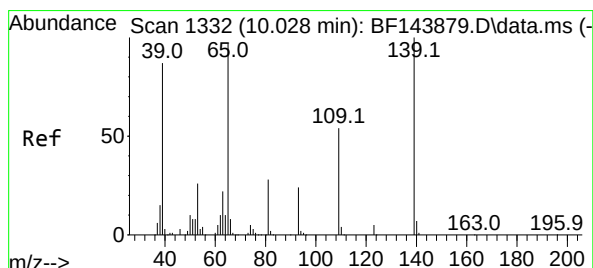
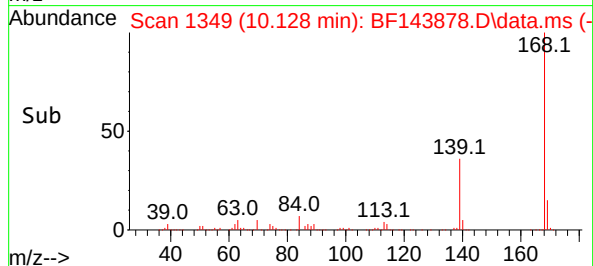
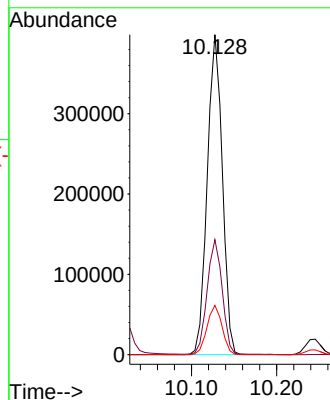
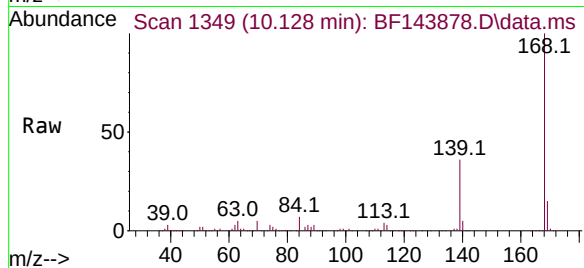
169 15.4 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#56

4-Nitrophenol

Concen: 19.694 ng

RT: 10.022 min Scan# 1331

Delta R.T. -0.017 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

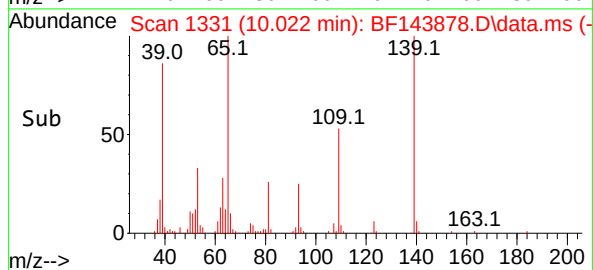
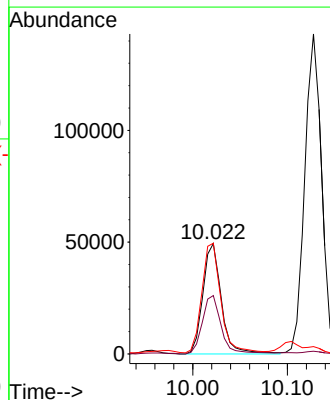
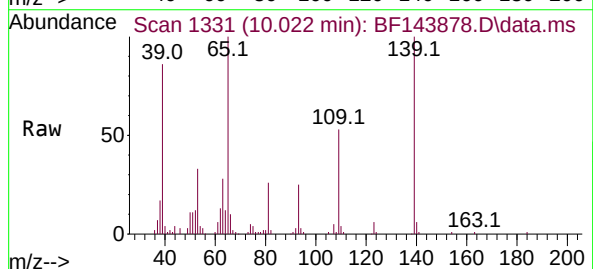
Tgt Ion:139 Resp: 66930

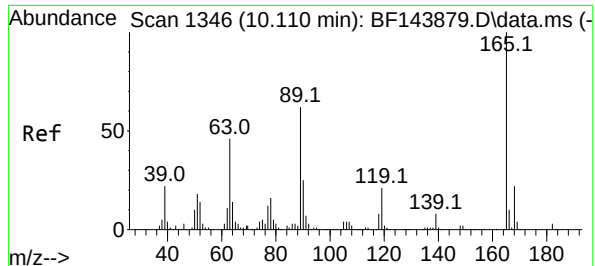
Ion Ratio Lower Upper

139 100

109 52.9 34.5 74.5

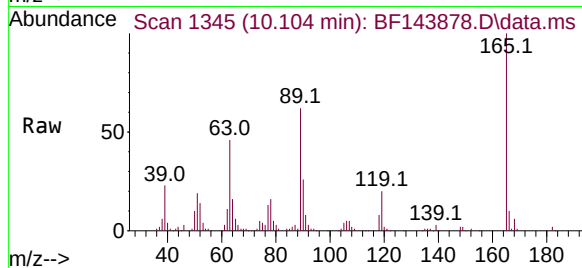
65 100.3 77.6 117.6





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

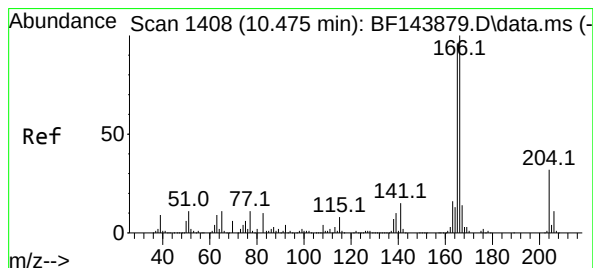
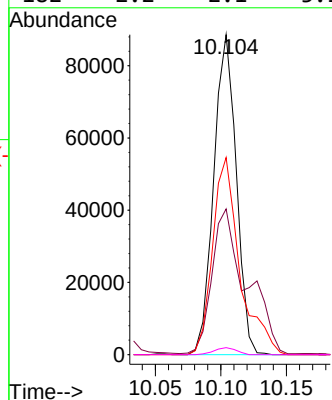
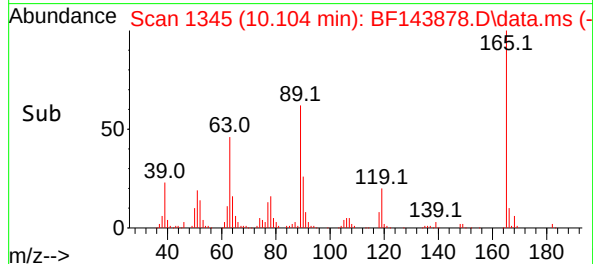
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 106136
Ion Ratio Lower Upper
165 100
63 45.5 37.2 55.8
89 61.6 49.4 74.2
182 2.2 2.1 3.1

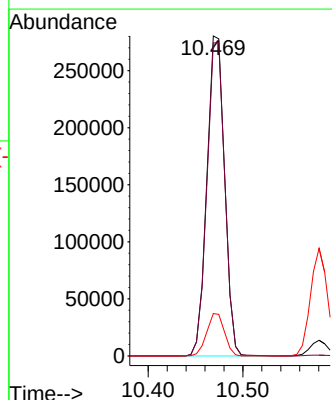
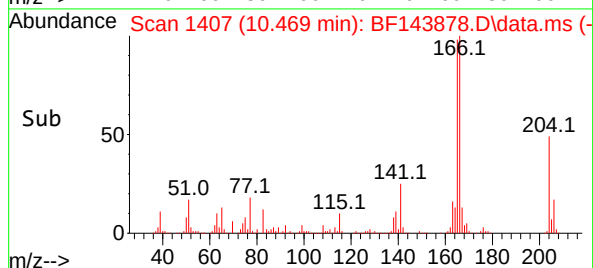
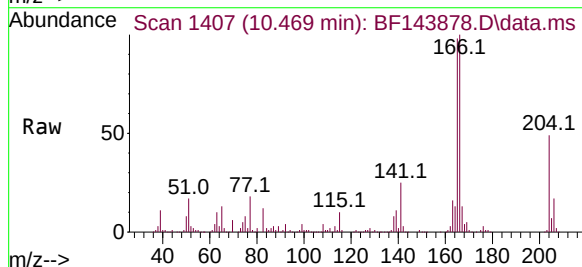
Manual Integrations
APPROVED

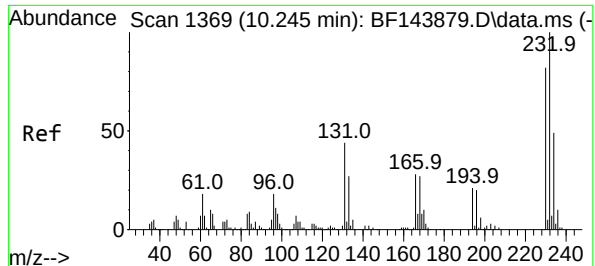
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

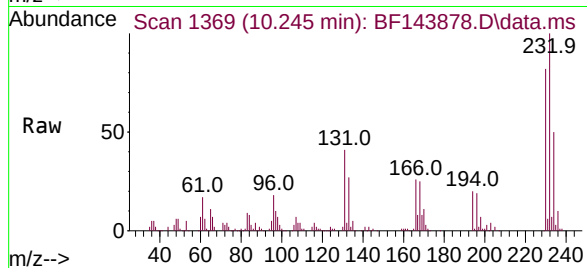
Tgt Ion:166 Resp: 365206
Ion Ratio Lower Upper
166 100
165 97.8 77.0 115.6
167 13.2 11.1 16.7





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

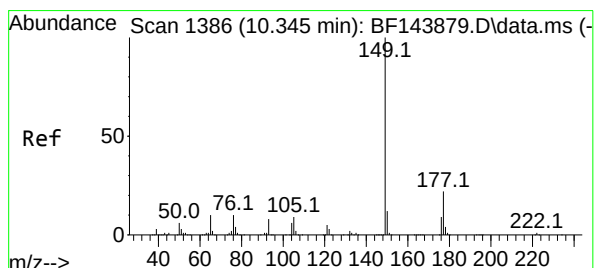
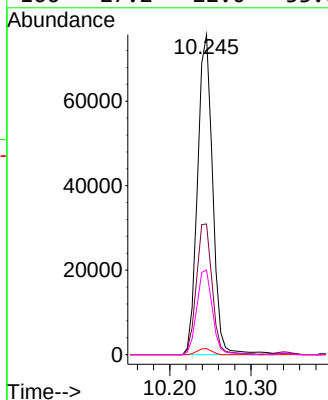
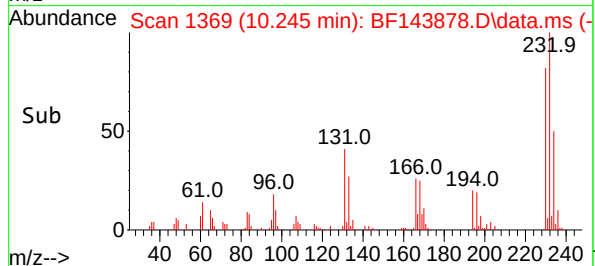
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



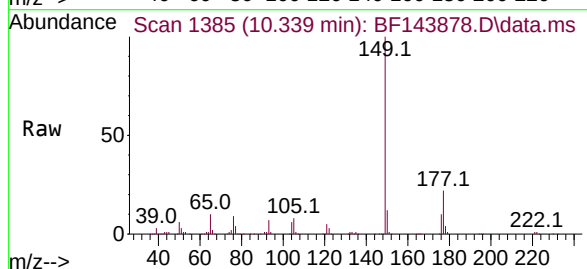
Tgt Ion:232 Resp: 98138
Ion Ratio Lower Upper
232 100
131 42.6 34.9 52.3
130 1.8 1.6 2.4
166 27.2 22.0 33.0

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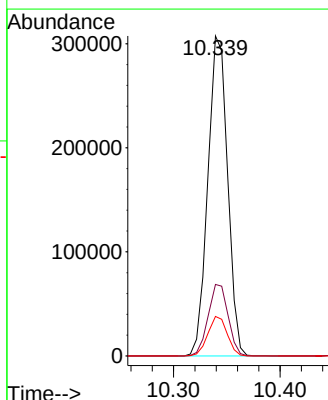
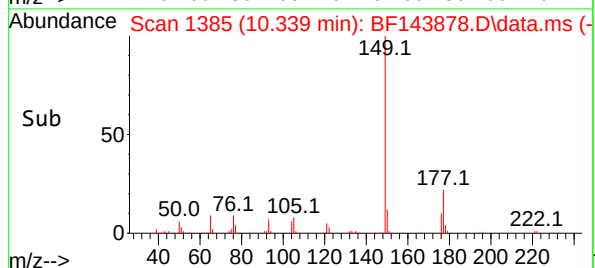
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

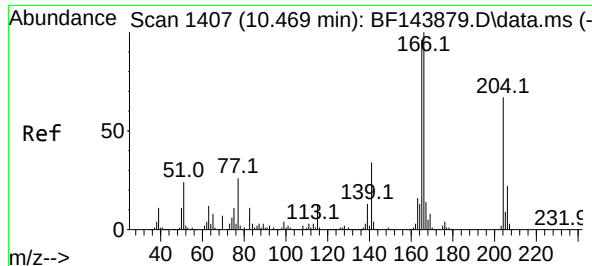


#60
Diethylphthalate
Concen: 21.575 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



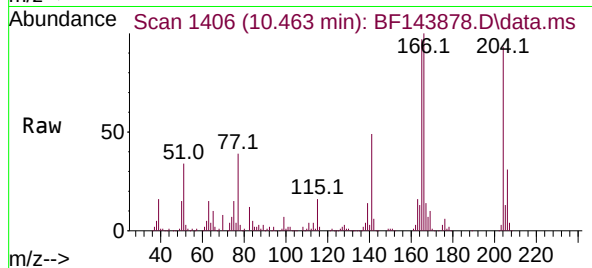
Tgt Ion:149 Resp: 396233
Ion Ratio Lower Upper
149 100
177 22.3 17.9 26.9
150 12.3 9.8 14.8





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

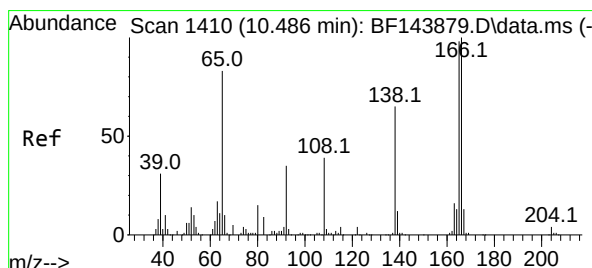
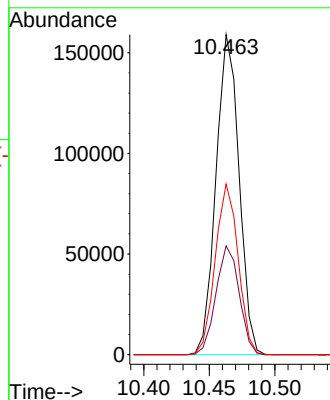
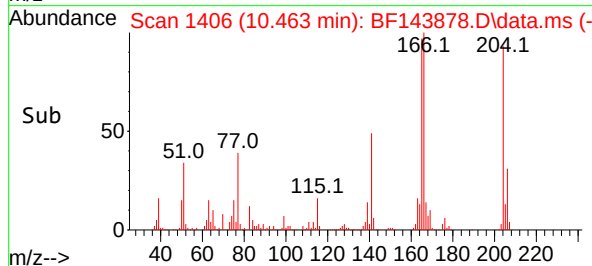
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

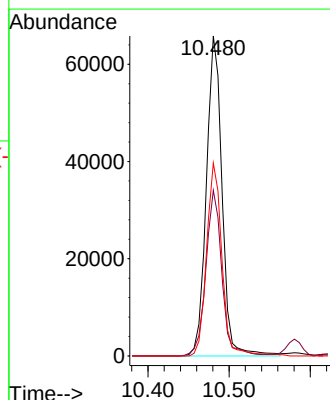
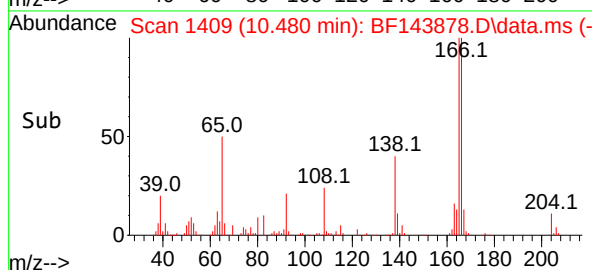
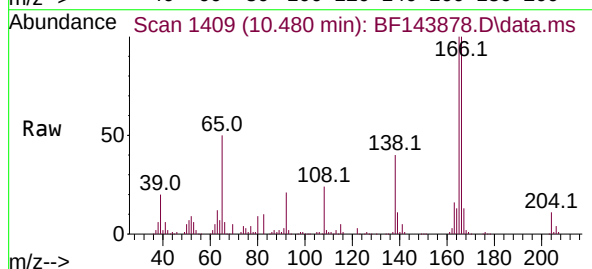
Manual Integrations
APPROVED

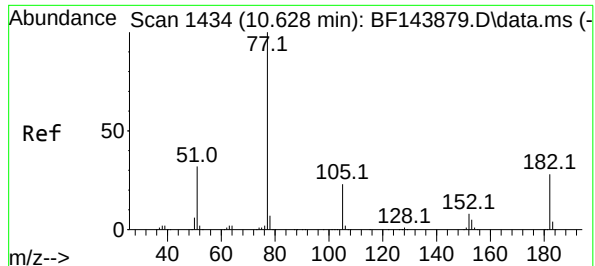
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

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





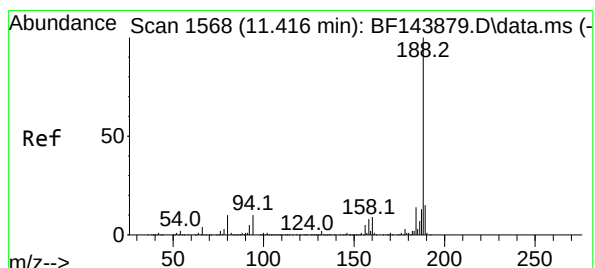
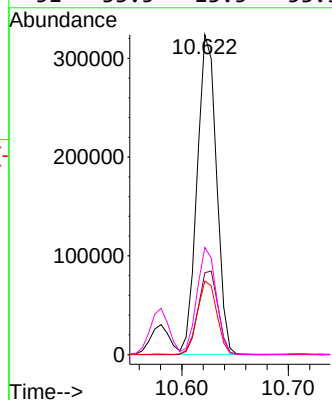
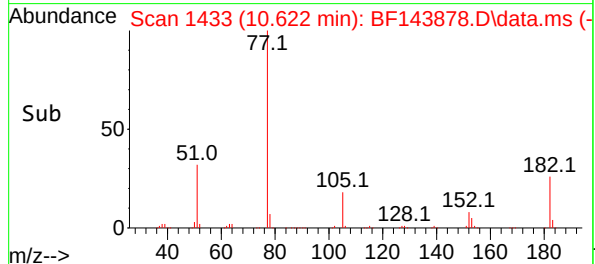
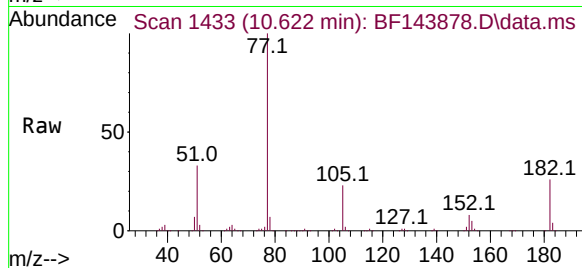
#63
Azobenzene
Concen: 21.218 ng
RT: 10.622 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

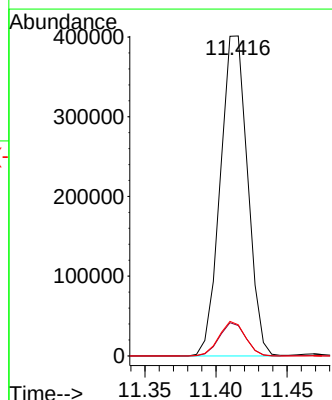
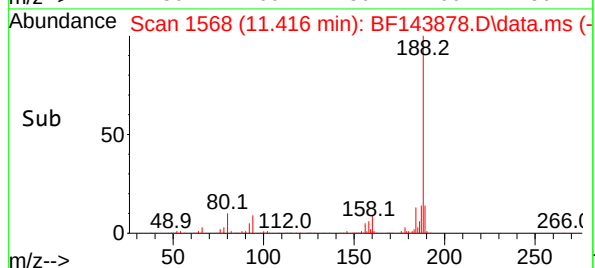
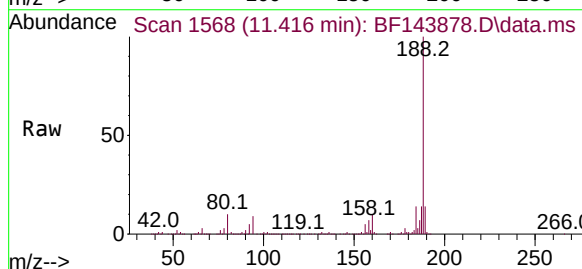
Manual Integrations
APPROVED

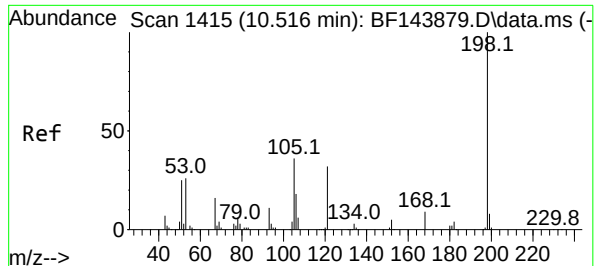
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

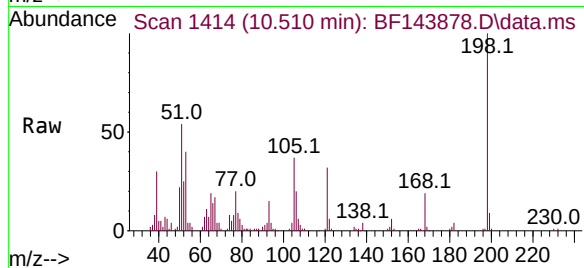
Tgt Ion:188 Resp: 536961
Ion Ratio Lower Upper
188 100
94 9.5 7.8 11.6
80 9.7 7.9 11.9





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

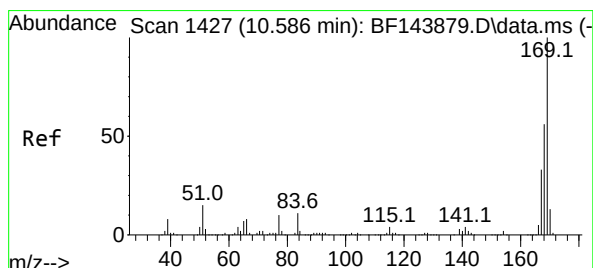
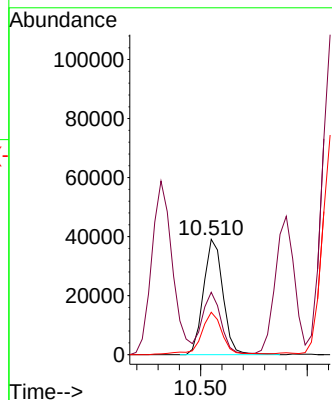
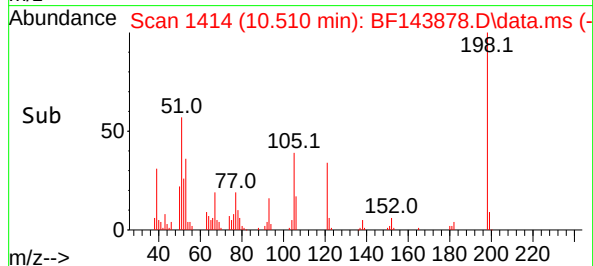
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



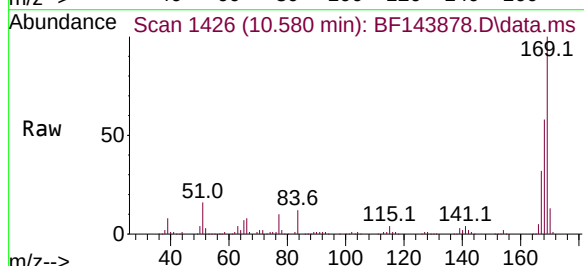
Tgt Ion:198 Resp: 49405
Ion Ratio Lower Upper
198 100
51 54.1 33.8 73.8
105 36.7 17.0 57.0

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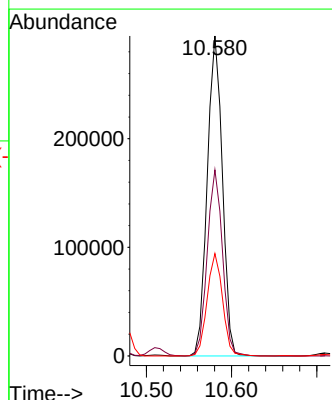
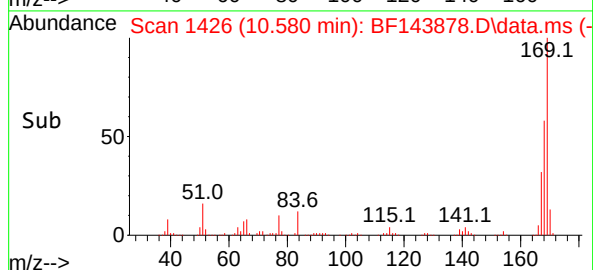
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

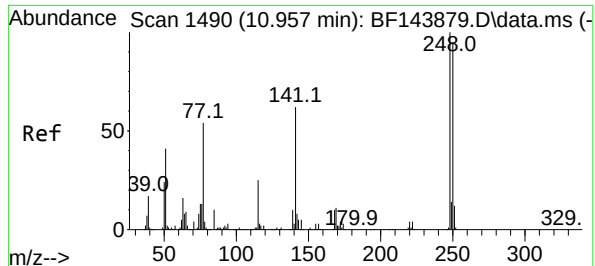


#66
n-Nitrosodiphenylamine
Concen: 21.484 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



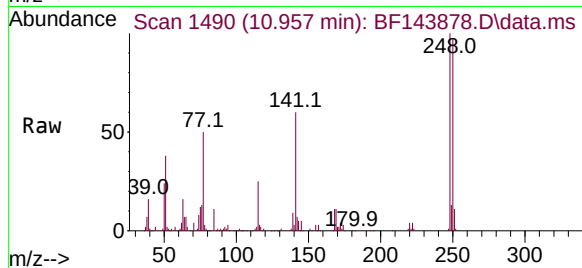
Tgt Ion:169 Resp: 362217
Ion Ratio Lower Upper
169 100
168 58.1 44.9 67.3
167 32.0 26.3 39.5





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

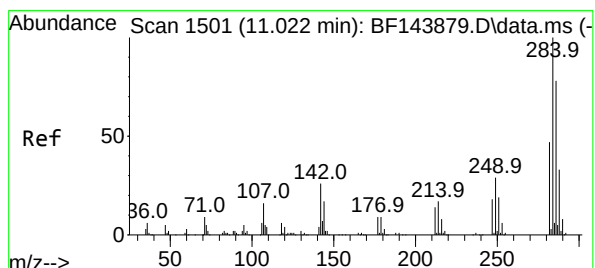
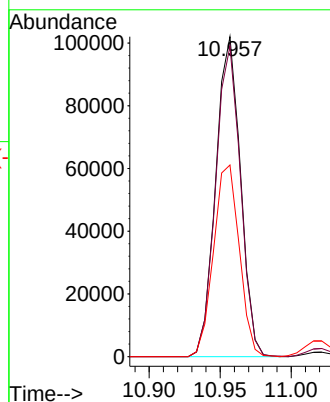
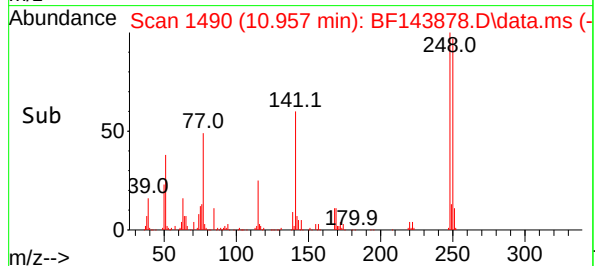
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



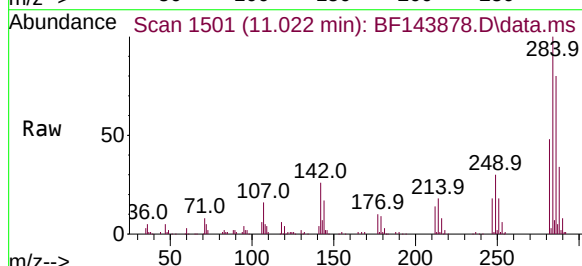
Tgt Ion:248 Resp: 123882
Ion Ratio Lower Upper
248 100
250 97.0 76.3 114.5
141 59.9 49.7 74.5

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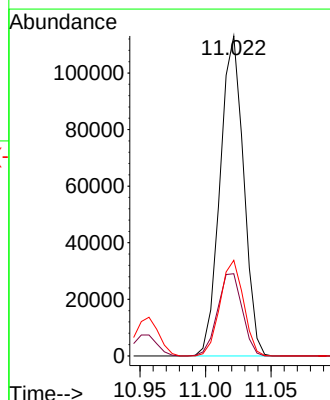
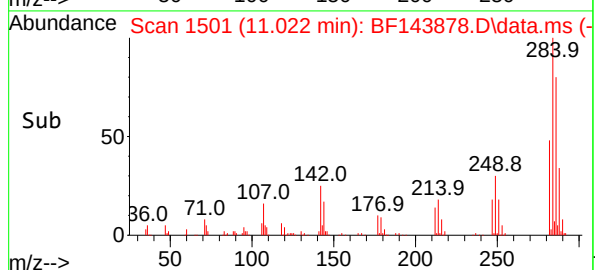
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

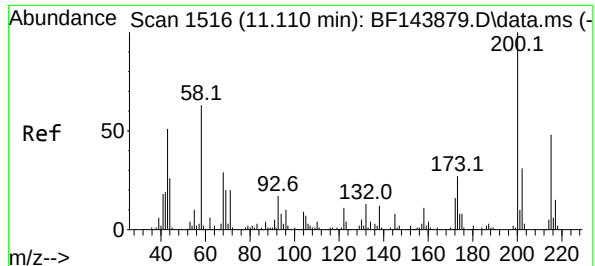


#68
Hexachlorobenzene
Concen: 20.570 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



Tgt Ion:284 Resp: 141316
Ion Ratio Lower Upper
284 100
142 25.7 20.6 30.8
249 29.9 23.2 34.8





#69

Atrazine

Concen: 22.405 ng

RT: 11.104 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:200 Resp: 114492

Ion Ratio Lower Upper

200 100

173 27.1 7.0 47.0

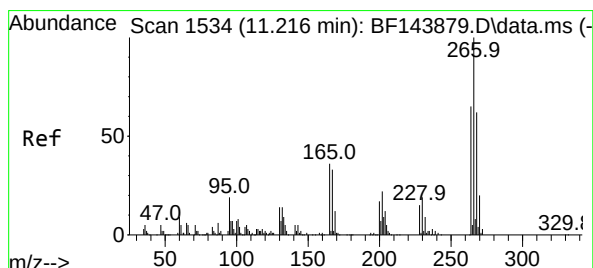
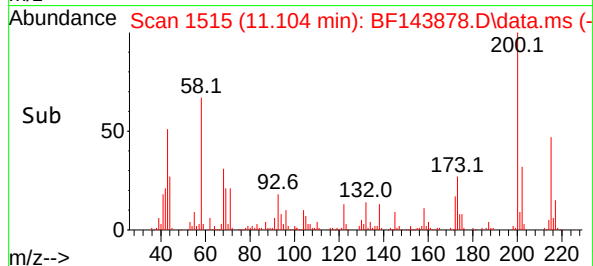
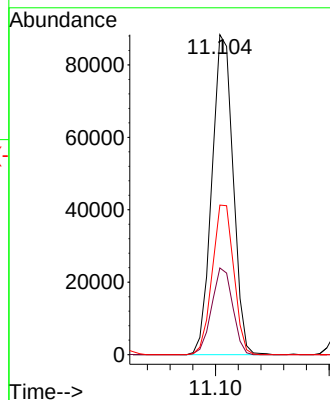
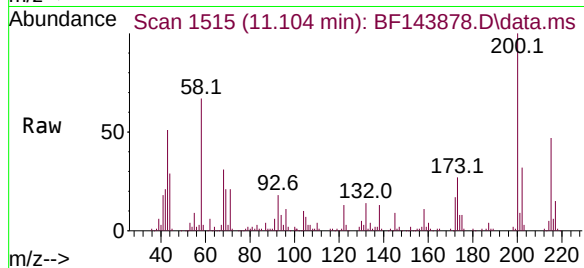
215 46.7 27.8 67.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#70

Pentachlorophenol

Concen: 20.687 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

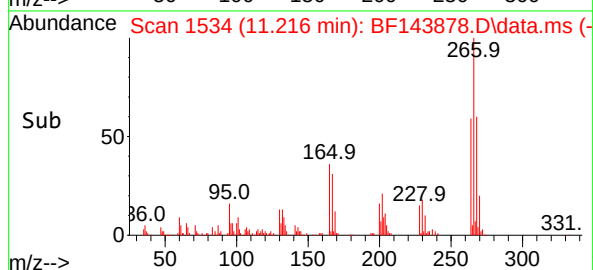
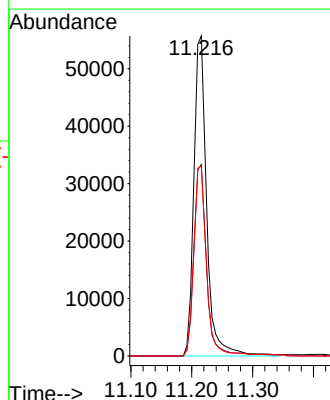
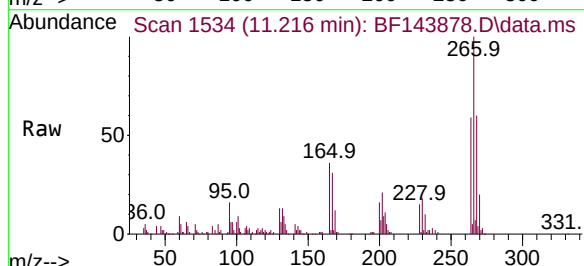
Tgt Ion:266 Resp: 81624

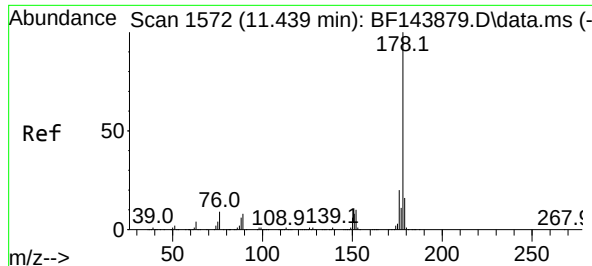
Ion Ratio Lower Upper

266 100

268 59.8 49.4 74.0

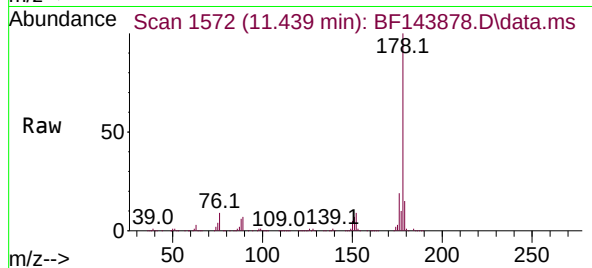
264 59.4 51.8 77.6





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

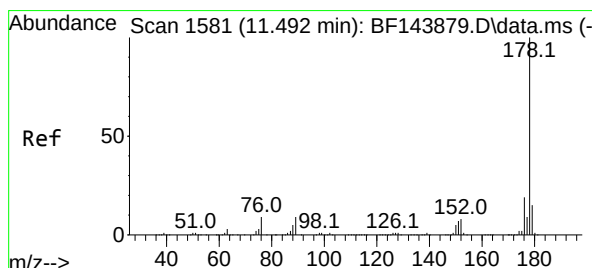
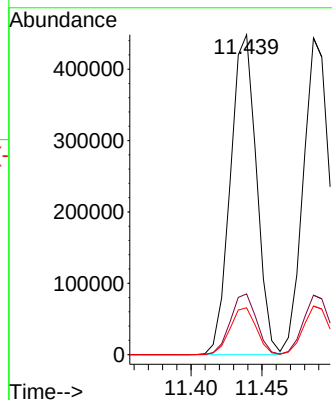
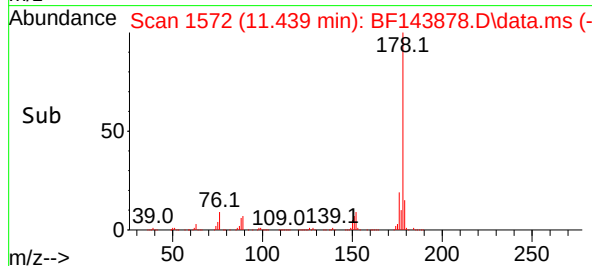
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



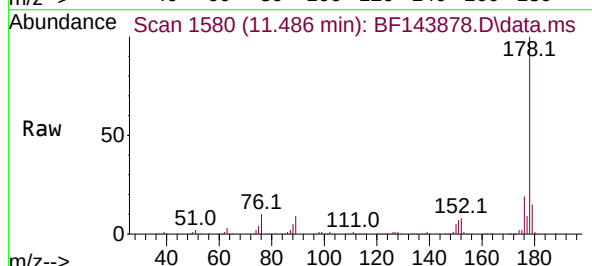
Tgt Ion:178 Resp: 57215
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 14.6 12.4 18.6

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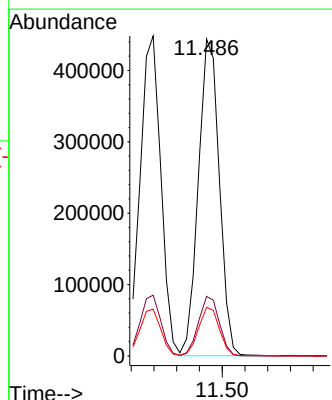
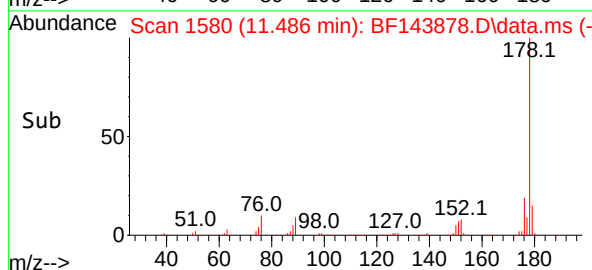
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

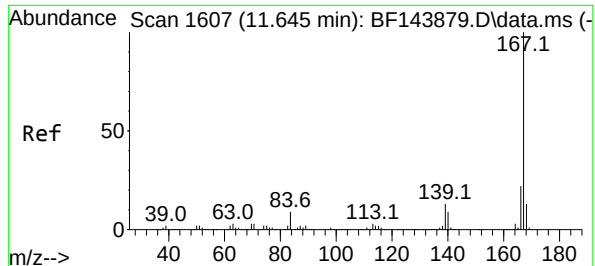


#72
Anthracene
Concen: 21.588 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



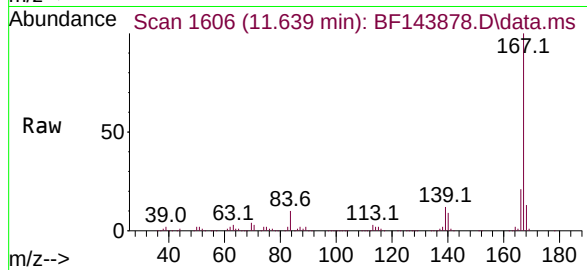
Tgt Ion:178 Resp: 567724
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.3 12.2 18.2





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

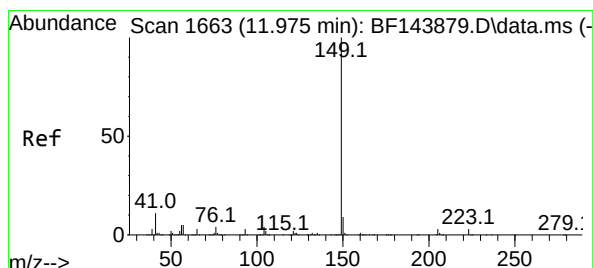
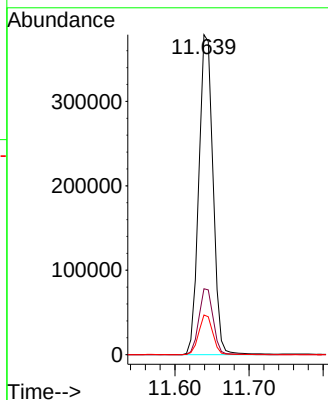
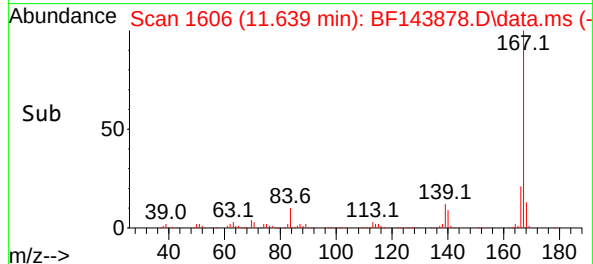
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



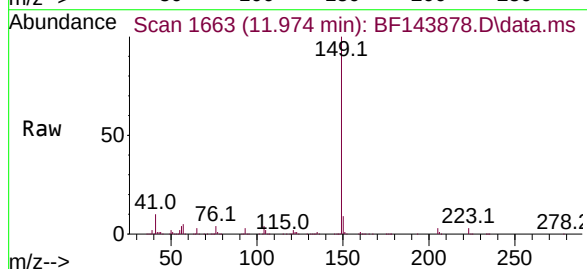
Tgt Ion:167 Resp: 504282
Ion Ratio Lower Upper
167 100
166 20.6 17.2 25.8
139 12.4 10.1 15.1

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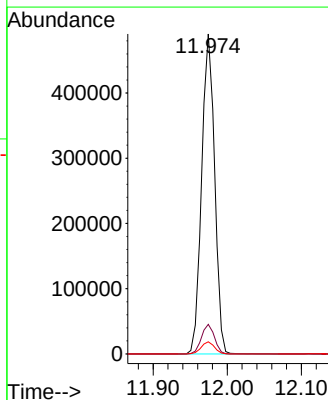
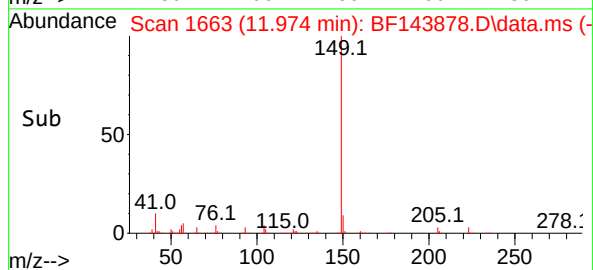
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

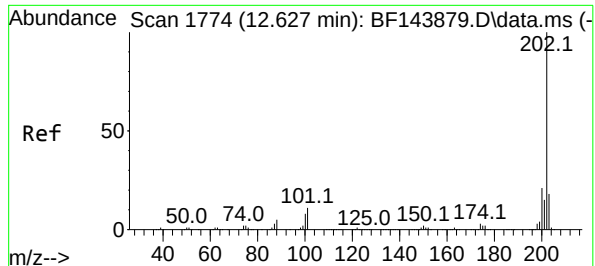


#74
Di-n-butylphthalate
Concen: 22.047 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



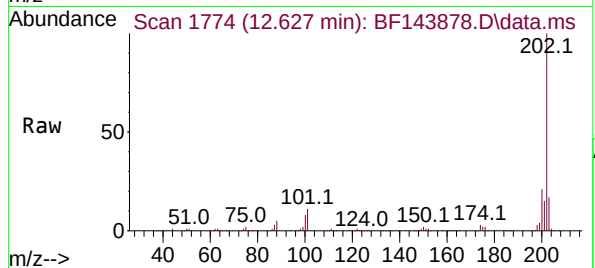
Tgt Ion:149 Resp: 595140
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 3.8 3.4 5.2





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

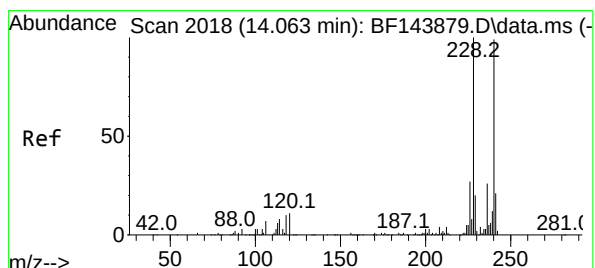
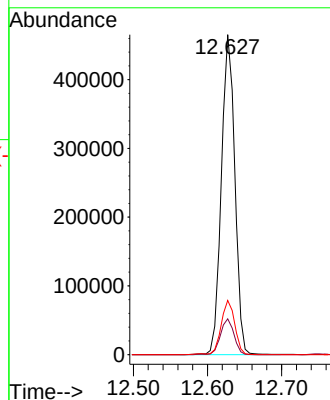
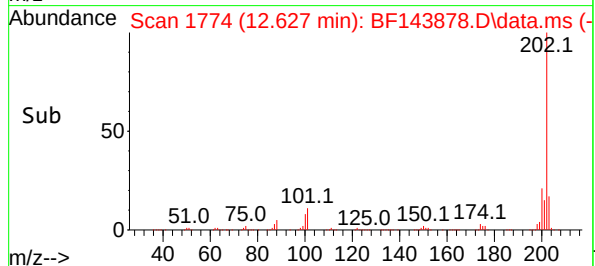
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



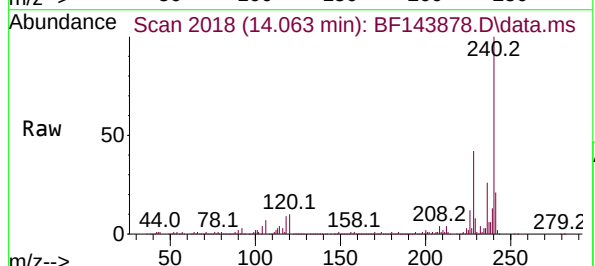
Tgt Ion:202 Resp: 587348
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.7
203 16.9 0.0 37.8

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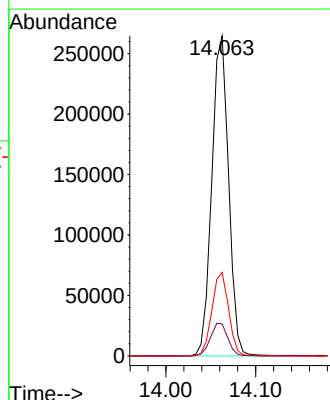
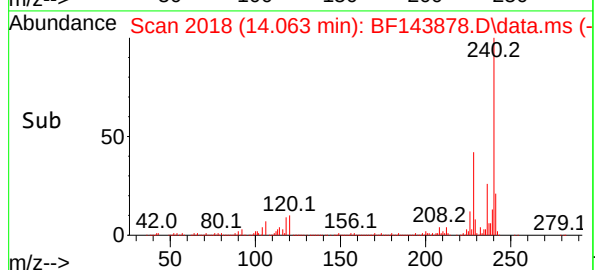
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

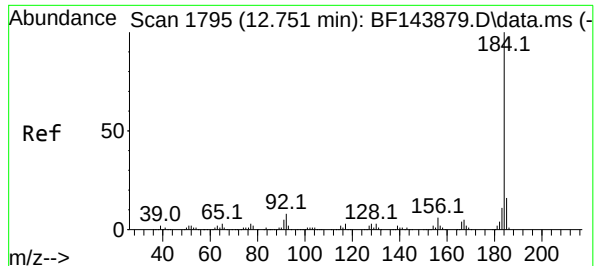


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



Tgt Ion:240 Resp: 346764
Ion Ratio Lower Upper
240 100
120 10.0 8.6 13.0
236 26.1 21.1 31.7





#77

Benzidine

Concen: 20.710 ng

RT: 12.751 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:184 Resp: 249358

Ion Ratio Lower Upper

184 100

185 13.7 12.6 18.8

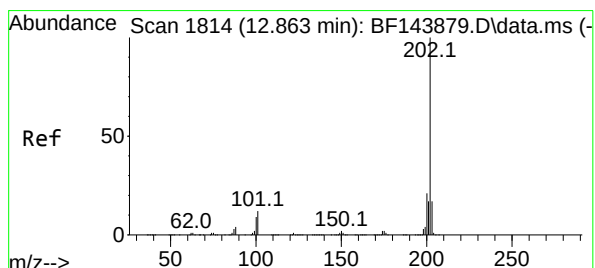
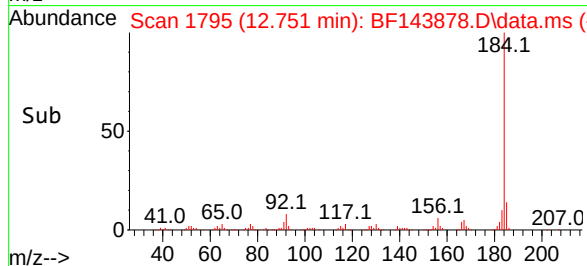
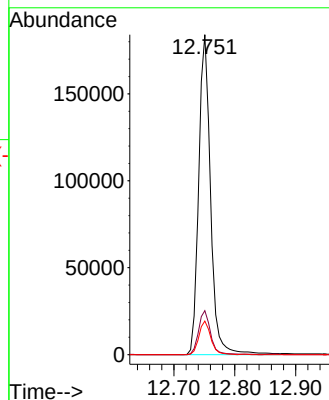
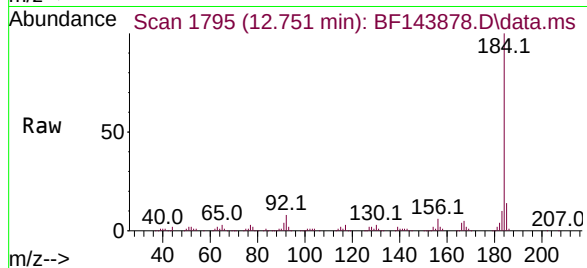
183 10.5 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#78

Pyrene

Concen: 21.215 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

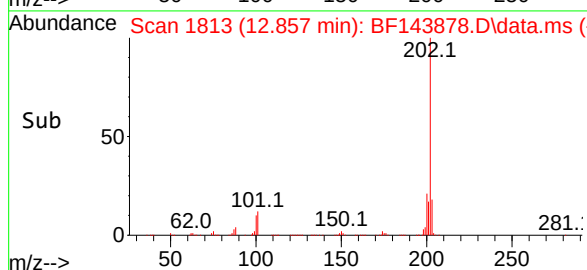
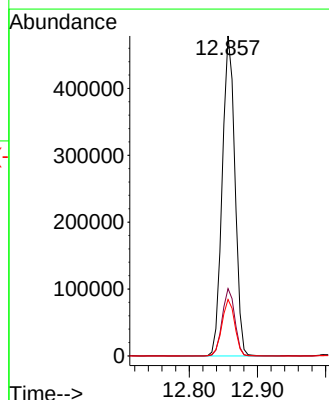
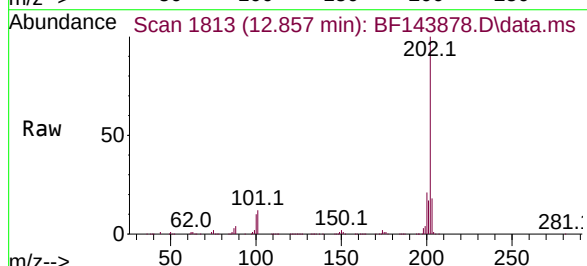
Tgt Ion:202 Resp: 613300

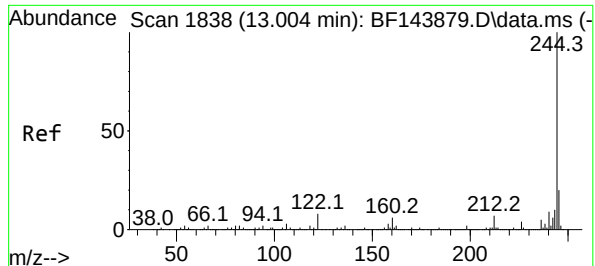
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 17.6 13.8 20.6





#79

Terphenyl-d14

Concen: 43.445 ng

RT: 12.998 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:244 Resp: 881486

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

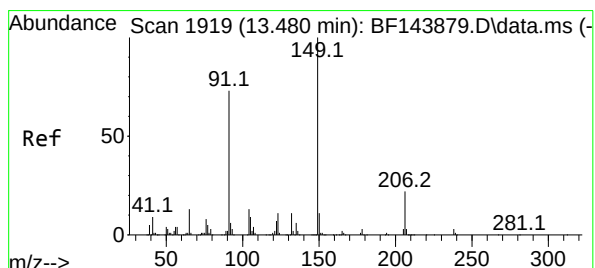
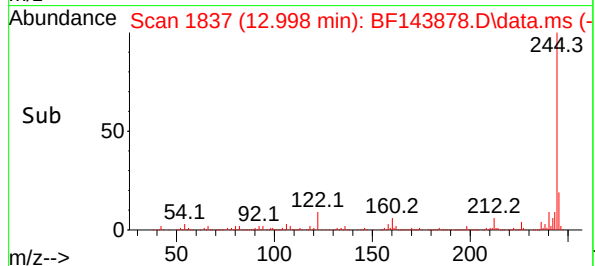
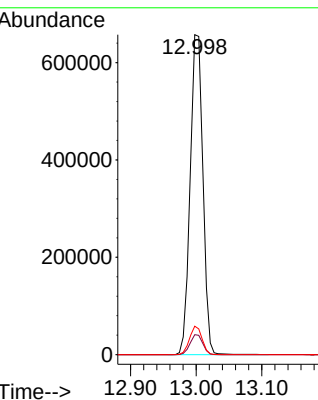
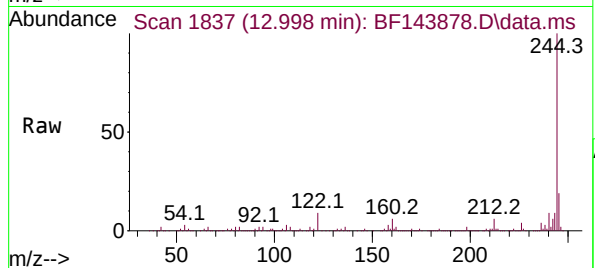
122 8.9 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#80

Butylbenzylphthalate

Concen: 21.391 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

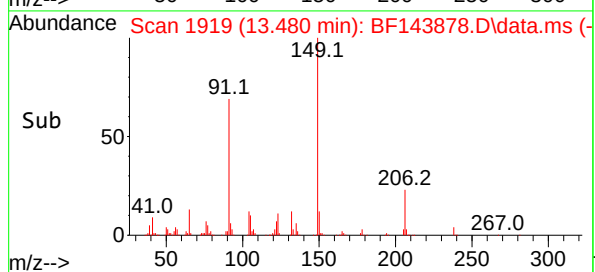
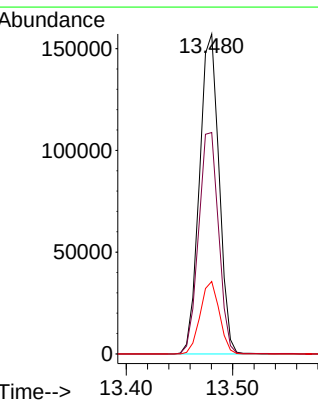
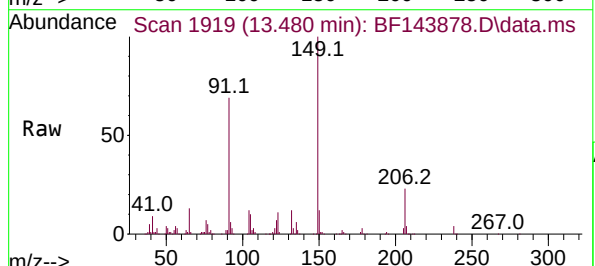
Tgt Ion:149 Resp: 200832

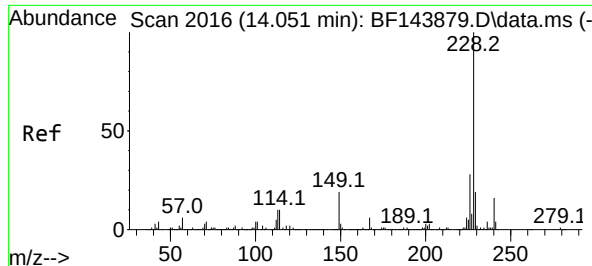
Ion Ratio Lower Upper

149 100

91 69.2 58.2 87.2

206 22.6 17.9 26.9





#81

Benzo(a)anthracene

Concen: 20.693 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:228 Resp: 469566

Ion Ratio Lower Upper

228 100

226 28.0 22.2 33.2

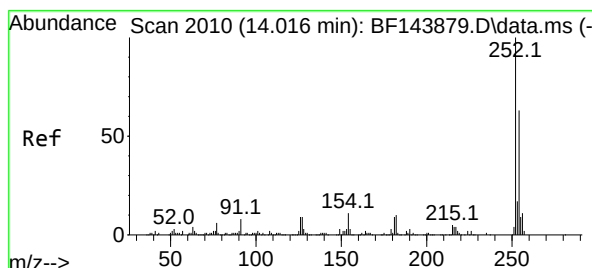
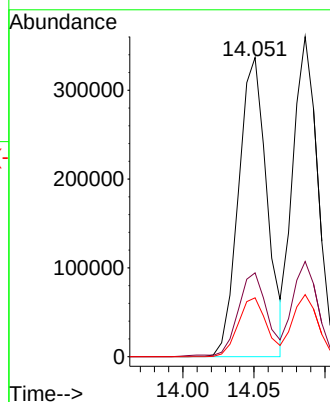
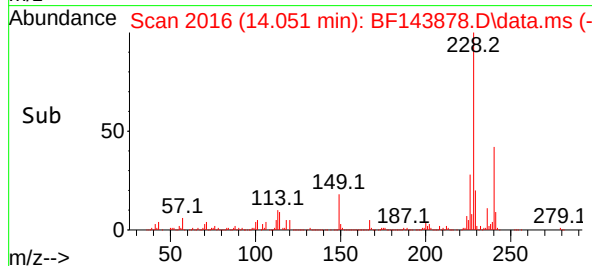
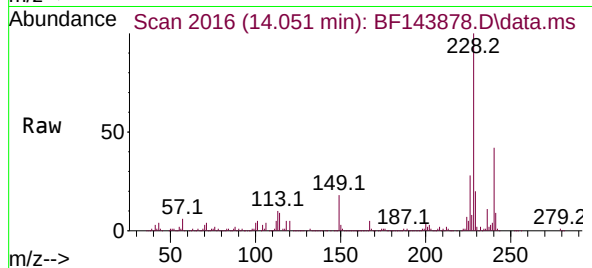
229 19.7 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#82

3,3'-Dichlorobenzidine

Concen: 20.219 ng

RT: 14.010 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

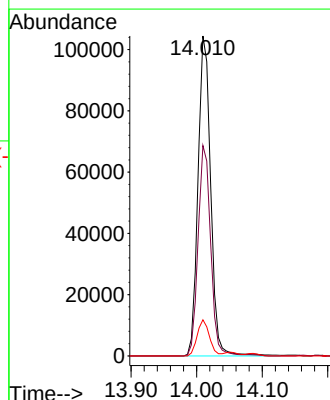
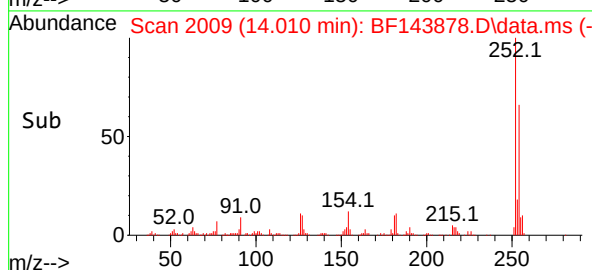
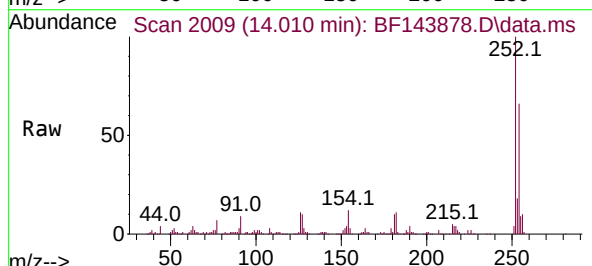
Tgt Ion:252 Resp: 139822

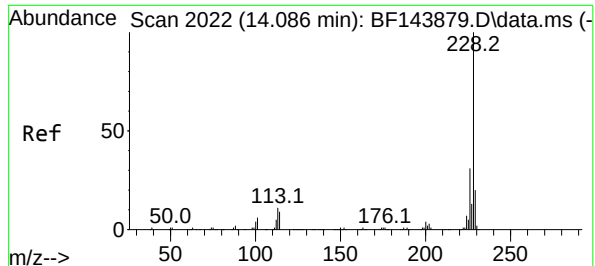
Ion Ratio Lower Upper

252 100

254 65.7 50.6 76.0

126 11.3 7.0 10.6#





#83

Chrysene

Concen: 20.920 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:228 Resp: 439378

Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

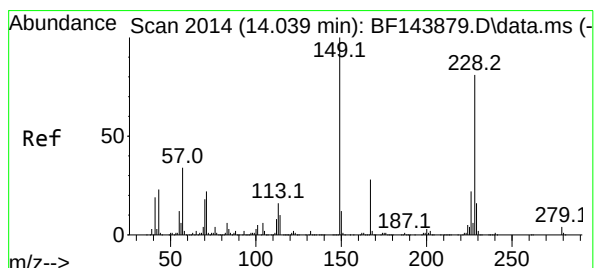
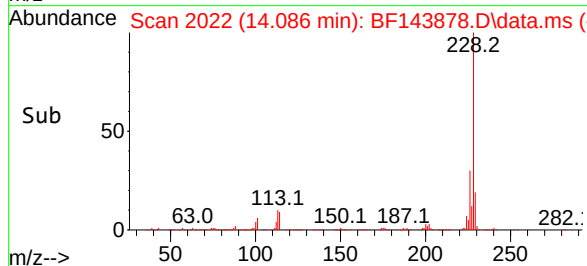
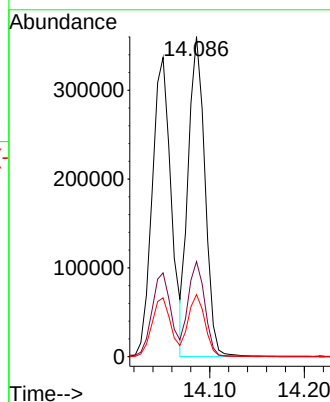
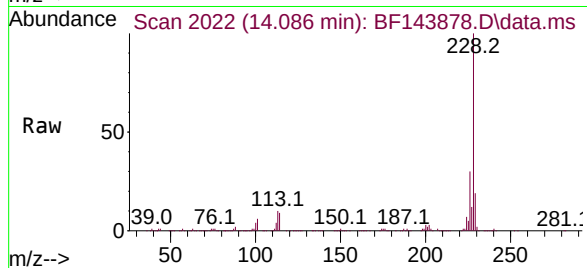
229 19.4 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 21.041 ng

RT: 14.039 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

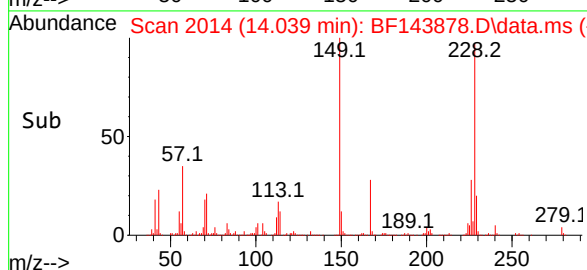
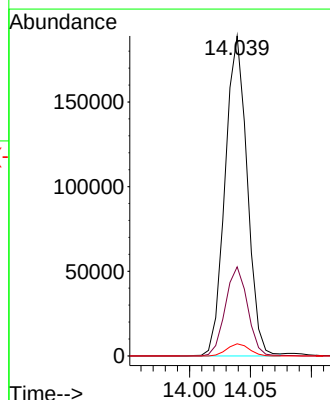
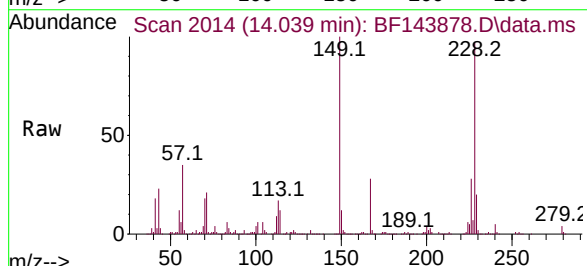
Tgt Ion:149 Resp: 238132

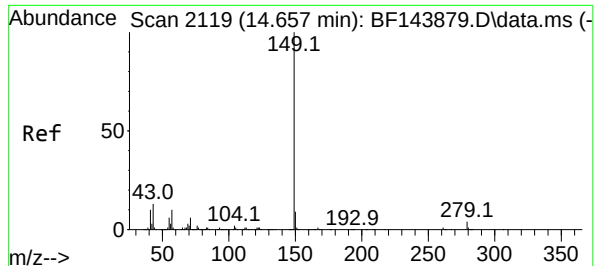
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

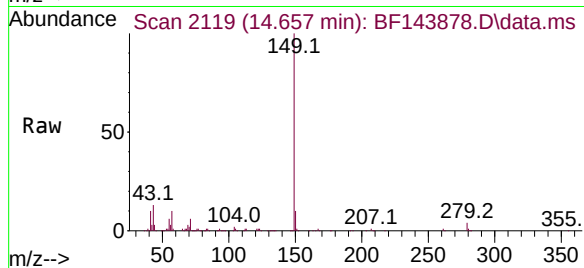
279 3.8 3.1 4.7





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

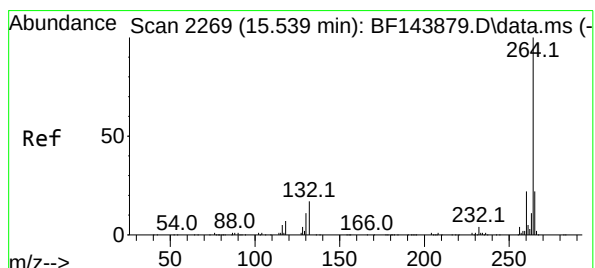
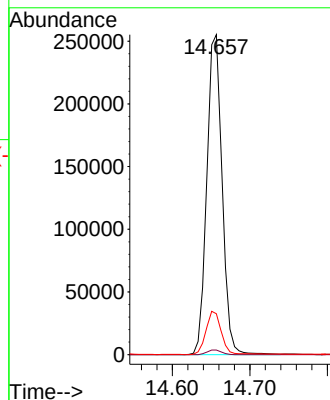
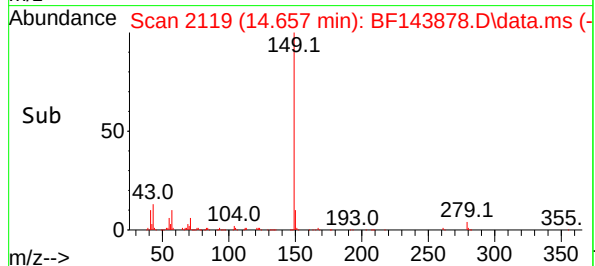
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



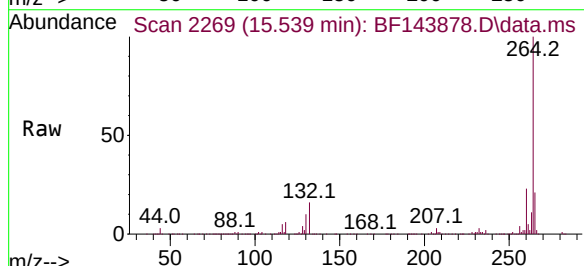
Tgt Ion:149 Resp: 349721
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 13.8 11.0 16.4

Manual Integrations
APPROVED

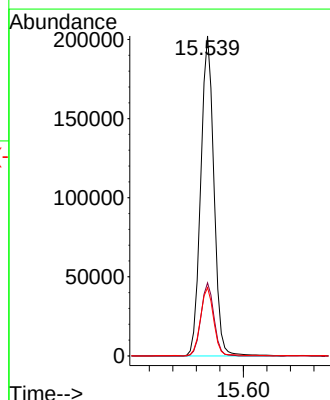
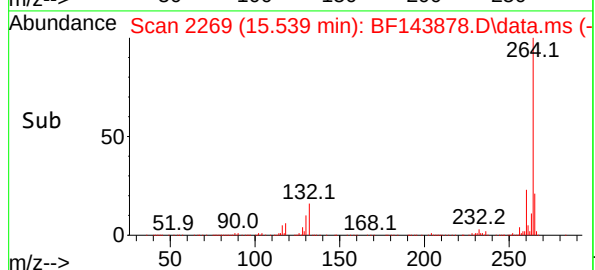
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

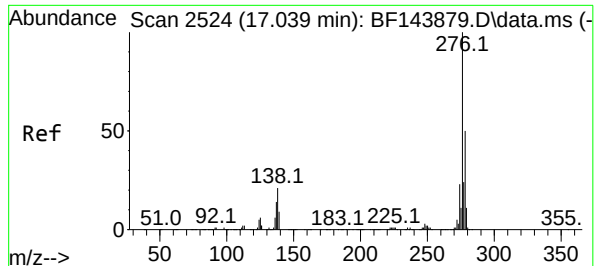


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



Tgt Ion:264 Resp: 314616
Ion Ratio Lower Upper
264 100
260 22.8 17.8 26.8
265 21.3 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.942 ng

RT: 17.027 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:276 Resp: 38444

Ion Ratio Lower Upper

276 100

138 25.5 18.2 27.2

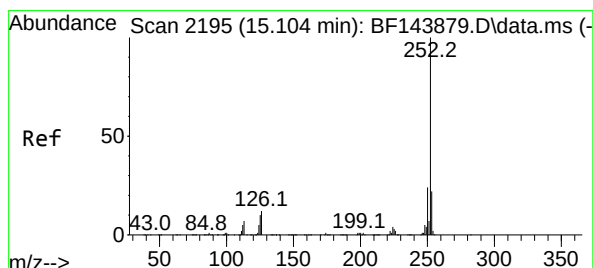
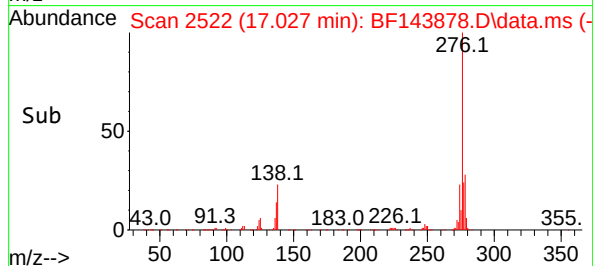
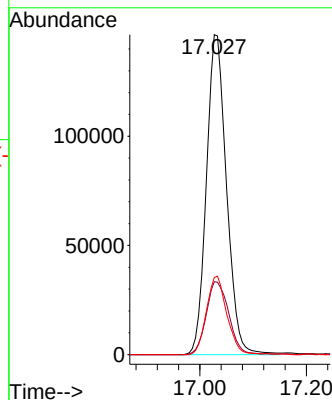
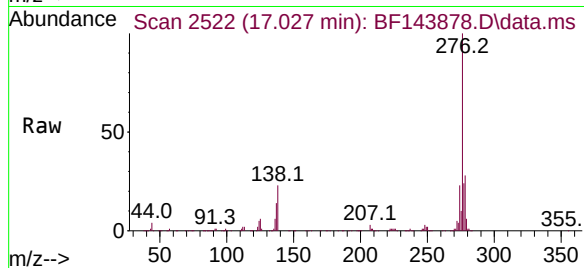
277 25.0 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#88

Benzo(b)fluoranthene

Concen: 19.692 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

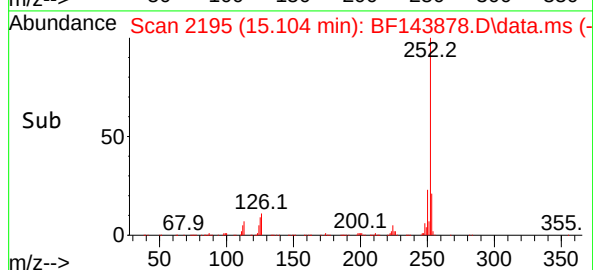
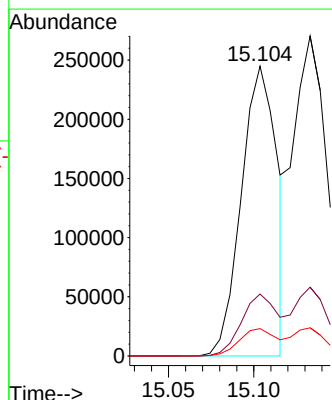
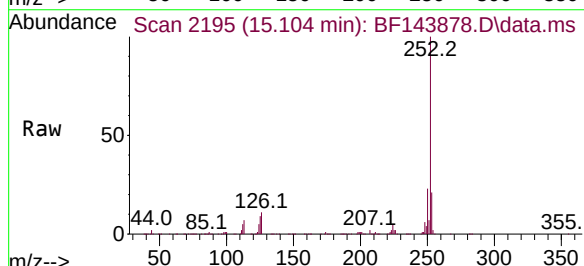
Tgt Ion:252 Resp: 355882

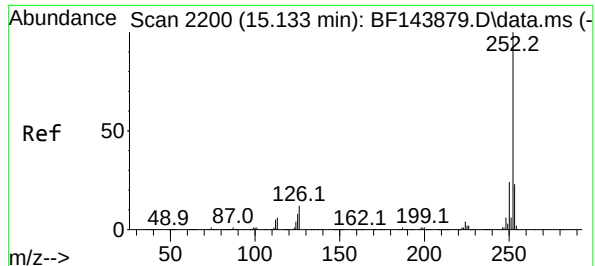
Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 9.4 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 23.106 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143878.D

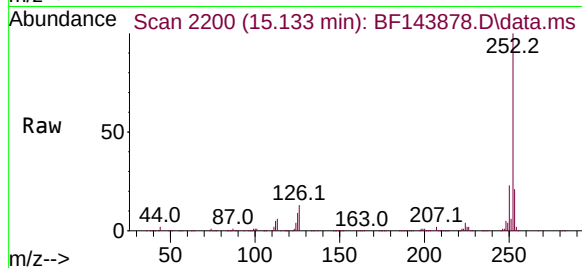
Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:252 Resp: 386399

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.8

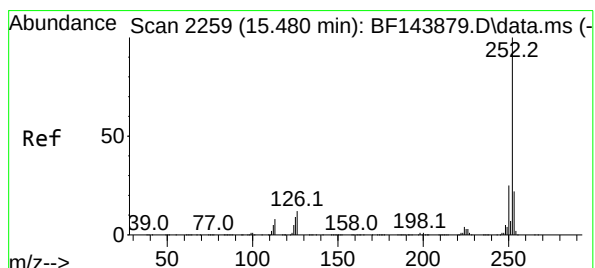
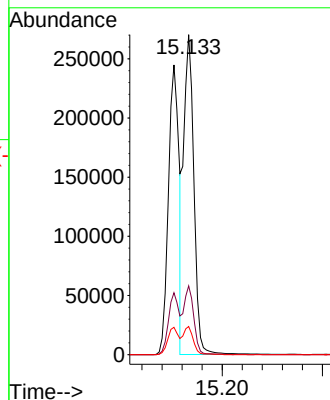
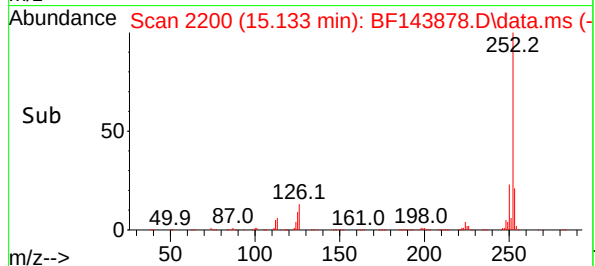
125 8.8 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#90

Benzo(a)pyrene

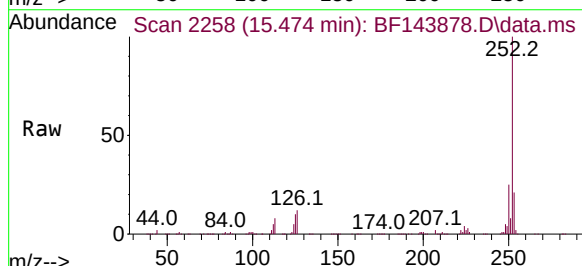
Concen: 20.822 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56



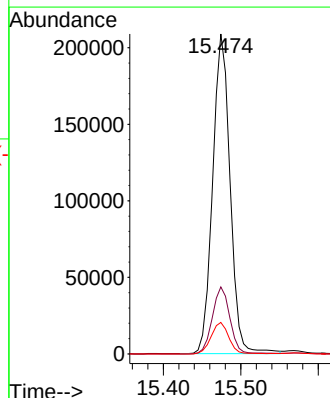
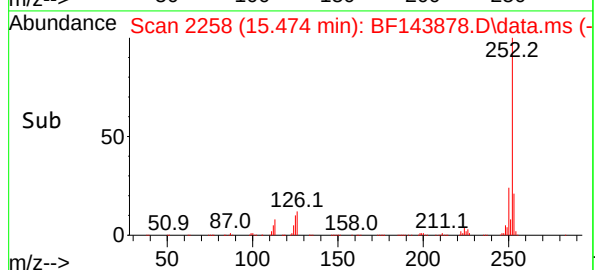
Tgt Ion:252 Resp: 326291

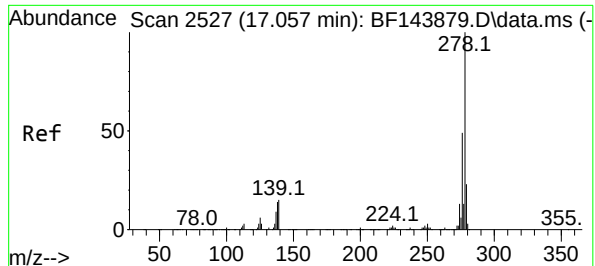
Ion Ratio Lower Upper

252 100

253 20.9 17.3 25.9

125 9.8 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 20.589 ng

RT: 17.051 min Scan# 2527

Delta R.T. -0.029 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:278 Resp: 319216

Ion Ratio Lower Upper

278 100

139 15.7 11.7 17.5

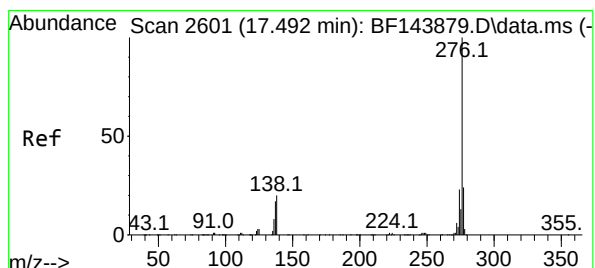
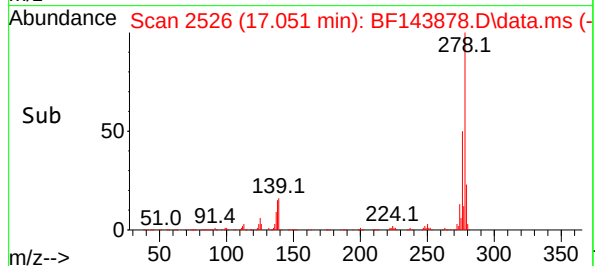
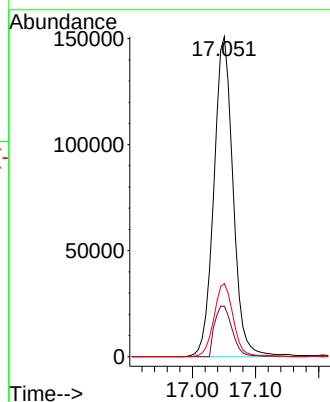
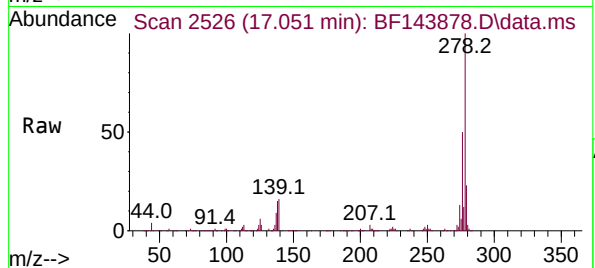
279 22.8 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#92

Benzo(g,h,i)perylene

Concen: 19.937 ng

RT: 17.480 min Scan# 2599

Delta R.T. -0.035 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

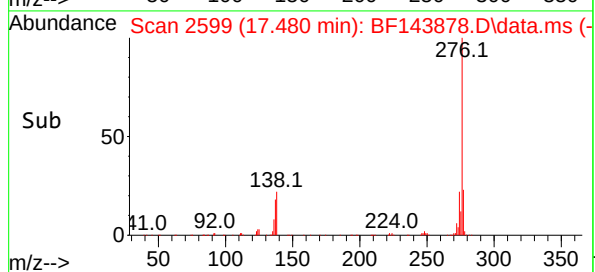
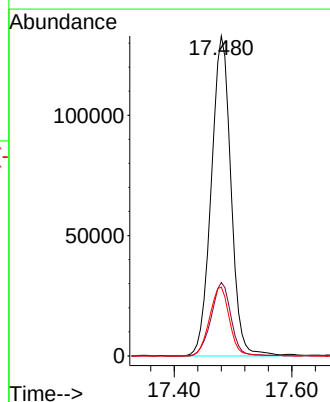
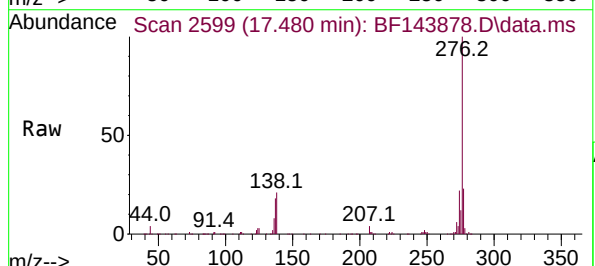
Tgt Ion:276 Resp: 309120

Ion Ratio Lower Upper

276 100

277 23.0 19.0 28.6

138 21.5 16.1 24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
 Data File : BF143879.D
 Acq On : 06 Oct 2025 12:54
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

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

Quant Time: Oct 06 15:38:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	124152	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	479933	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	260024	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	444949	20.000	ng	0.00
76) Chrysene-d12	14.063	240	254576	20.000	ng	0.00
86) Perylene-d12	15.539	264	250969	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	649121	83.027	ng	0.00
7) Phenol-d6	6.504	99	765629	82.158	ng	-0.01
23) Nitrobenzene-d5	7.445	82	662754	83.898	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	215478	83.200	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1273210	77.695	ng	0.00
79) Terphenyl-d14	13.004	244	1302632	87.451	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.646	88	151157	41.781	ng	100
3) Pyridine	3.410	79	439985	41.775	ng	100
4) n-Nitrosodimethylamine	3.357	42	225827	40.760	ng	100
6) Aniline	6.545	93	581779	41.662	ng	100
8) 2-Chlorophenol	6.663	128	321394	42.055	ng	100
9) Benzaldehyde	6.434	77	330062	45.914	ng	100
10) Phenol	6.516	94	457250m	41.042	ng	
11) bis(2-Chloroethyl)ether	6.616	93	358980	41.712	ng	100
12) 1,3-Dichlorobenzene	6.822	146	376359	41.141	ng	100
13) 1,4-Dichlorobenzene	6.898	146	372118	41.238	ng	100
14) 1,2-Dichlorobenzene	7.051	146	356137	41.204	ng	100
15) Benzyl Alcohol	7.022	79	291212	41.707	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	804199	41.052	ng	100
17) 2-Methylphenol	7.128	107	261669	41.430	ng	100
18) Hexachloroethane	7.398	117	124325	41.313	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	254701	39.929	ng	100
20) 3+4-Methylphenols	7.281	107	314281	42.934	ng	100
22) Acetophenone	7.292	105	415513	40.946	ng	100
24) Nitrobenzene	7.463	77	375708	42.828	ng	100
25) Isophorone	7.704	82	677007	40.645	ng	100
26) 2-Nitrophenol	7.781	139	167096	44.428	ng	100
27) 2,4-Dimethylphenol	7.810	122	282923	41.818	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	425986	40.486	ng	100
29) 2,4-Dichlorophenol	8.022	162	294452	41.782	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	286330	41.312	ng	100
31) Naphthalene	8.187	128	894263	40.961	ng	100
32) Benzoic acid	7.916	122	199609m	42.630	ng	
33) 4-Chloroaniline	8.234	127	340866	41.630	ng	100
34) Hexachlorobutadiene	8.304	225	198282	41.170	ng	100
35) Caprolactam	8.604	113	91458	40.816	ng	100
36) 4-Chloro-3-methylphenol	8.710	107	275908	40.758	ng	100
37) 2-Methylnaphthalene	8.881	142	591428	40.669	ng	100
38) 1-Methylnaphthalene	8.981	142	581114	41.196	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	306622	42.665	ng	100
41) Hexachlorocyclopentadiene	9.034	237	133694	44.842	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	231469	44.081	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
 Data File : BF143879.D
 Acq On : 06 Oct 2025 12:54
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

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

Quant Time: Oct 06 15:38:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	237161	42.739	ng	100
46) 1,1'-Biphenyl	9.345	154	714293	41.490	ng	100
47) 2-Chloronaphthalene	9.369	162	591442	41.204	ng	100
48) 2-Nitroaniline	9.463	65	203733	44.894	ng	100
49) Acenaphthylene	9.786	152	844067	41.828	ng	100
50) Dimethylphthalate	9.639	163	671290	40.653	ng	100
51) 2,6-Dinitrotoluene	9.704	165	136198	44.481	ng	100
52) Acenaphthene	9.957	154	547286	41.390	ng	100
53) 3-Nitroaniline	9.875	138	159366	42.507	ng	100
54) 2,4-Dinitrophenol	9.981	184	62187	37.010	ng	100
55) Dibenzofuran	10.128	168	776950	41.625	ng	100
56) 4-Nitrophenol	10.028	139	121519	42.807	ng	100
57) 2,4-Dinitrotoluene	10.110	165	189965	45.597	ng	100
58) Fluorene	10.475	166	570508	40.506	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	168932	43.006	ng	100
60) Diethylphthalate	10.345	149	635433	41.422	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	310008	41.632	ng	100
62) 4-Nitroaniline	10.486	138	151866	42.123	ng	100
63) Azobenzene	10.628	77	665698	41.521	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	98551	44.075	ng	100
66) n-Nitrosodiphenylamine	10.586	169	583617	41.773	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	205559	41.803	ng	100
68) Hexachlorobenzene	11.022	284	237363	41.695	ng	100
69) Atrazine	11.110	200	173212	40.905	ng	100
70) Pentachlorophenol	11.216	266	140140	42.862	ng	100
71) Phenanthrene	11.439	178	868592	40.266	ng	100
72) Anthracene	11.492	178	912011	41.850	ng	100
73) Carbazole	11.645	167	786783	40.765	ng	100
74) Di-n-butylphthalate	11.975	149	936899	41.884	ng	100
75) Fluoranthene	12.627	202	918503	41.223	ng	100
77) Benzidine	12.751	184	387464	43.833	ng	100
78) Pyrene	12.863	202	948521	44.692	ng	100
80) Butylbenzylphthalate	13.480	149	315716	45.804	ng	100
81) Benzo(a)anthracene	14.051	228	711609	42.715	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	224071	44.135	ng	100
83) Chrysene	14.086	228	658639	42.717	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	376273	45.286	ng	100
85) Di-n-octyl phthalate	14.657	149	608123	44.561	ng	100
87) Indeno(1,2,3-cd)pyrene	17.039	276	699234	45.470	ng	100
88) Benzo(b)fluoranthene	15.104	252	636888	44.178	ng	100
89) Benzo(k)fluoranthene	15.133	252	556111	41.688	ng	100
90) Benzo(a)pyrene	15.480	252	553098	44.246	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	566134	45.774	ng	100
92) Benzo(g,h,i)perylene	17.492	276	560761	45.340	ng	100

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

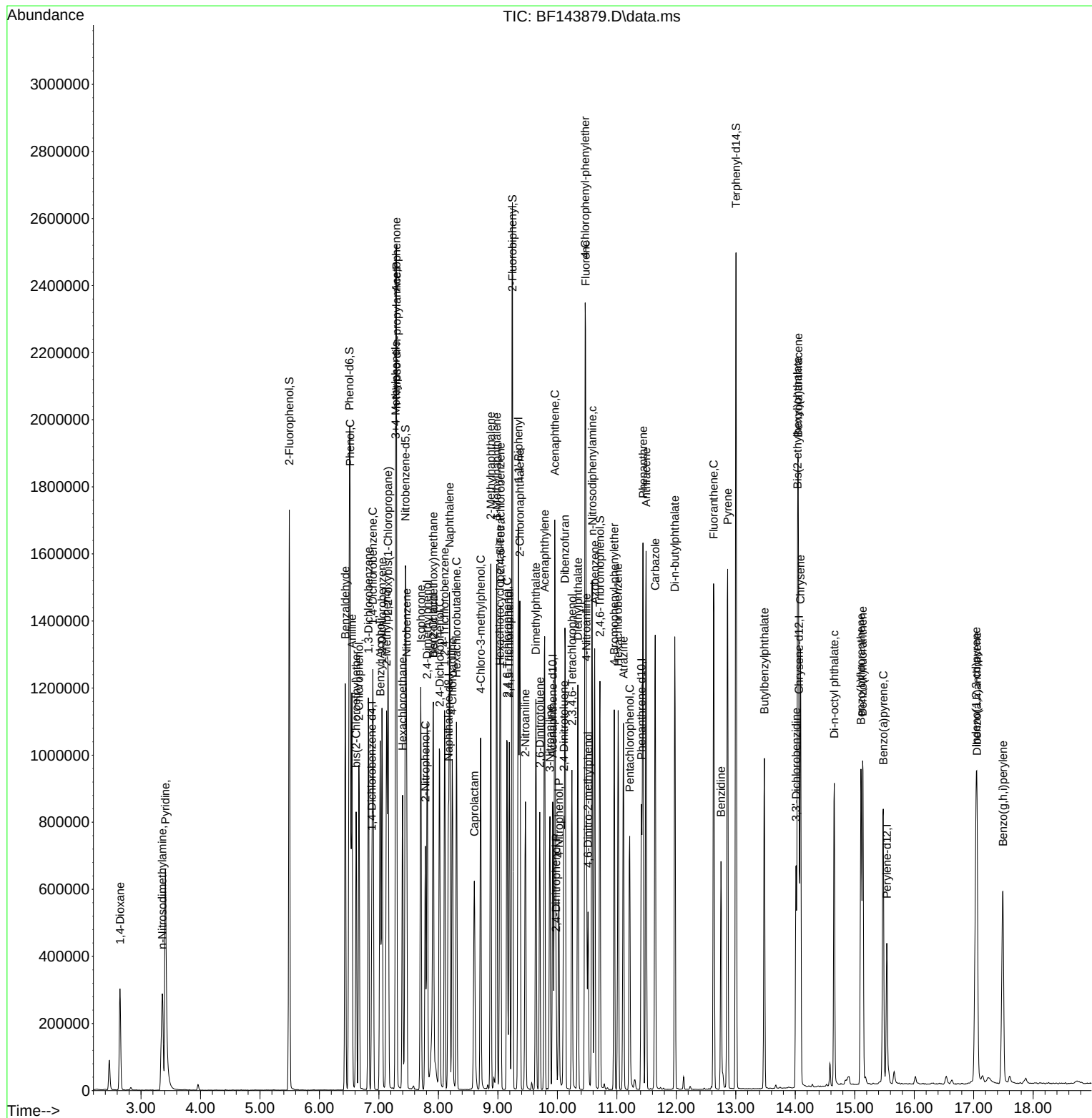
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\  
Data File : BF143879.D  
Acq On    : 06 Oct 2025 12:54  
Operator   : RC/JU  
Sample     : SSTDICCC040  
Misc       :  
ALS Vial   : 6    Sample Multiplier: 1
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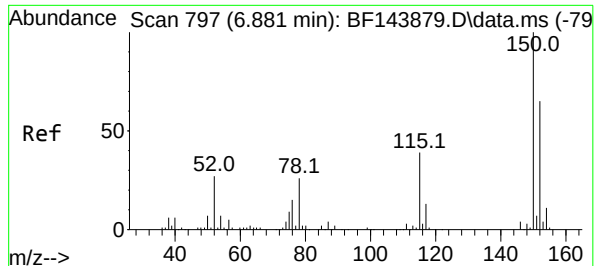
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

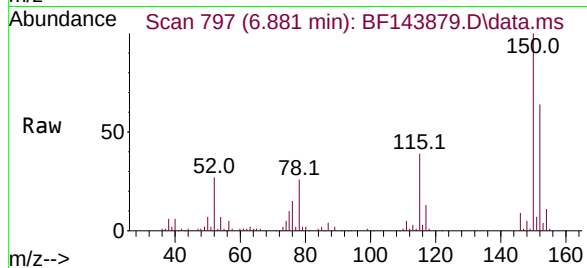
Quant Time: Oct 06 15:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

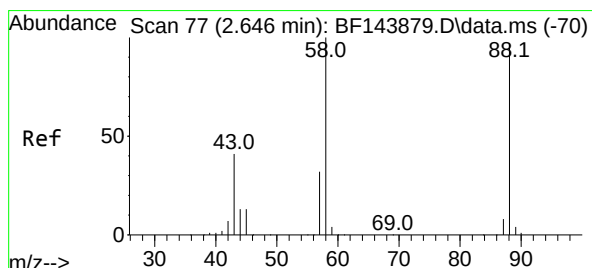
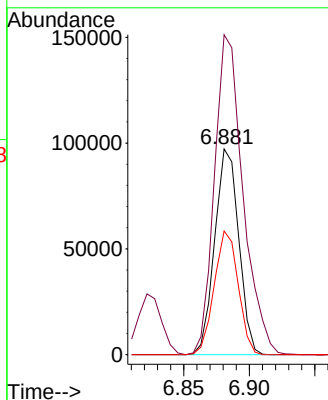
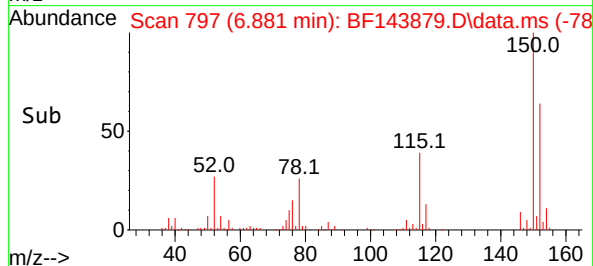
Instrument :
BNA_F
Client Sample Id :
SSTDICCC040



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

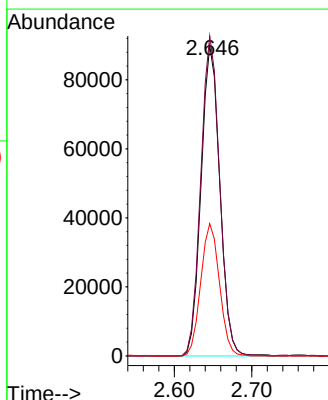
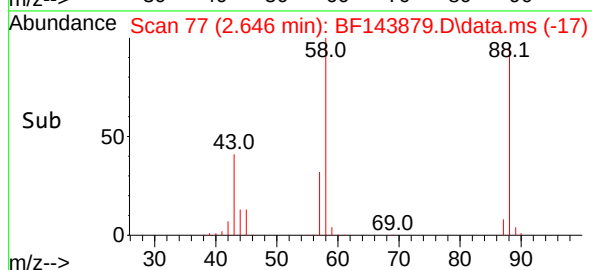
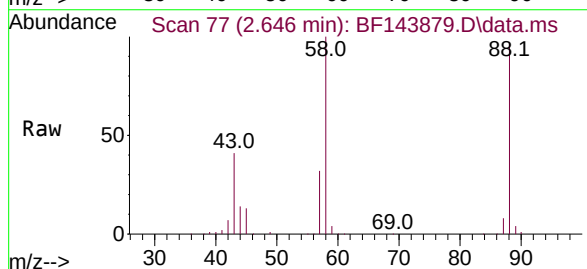
Manual Integrations
APPROVED

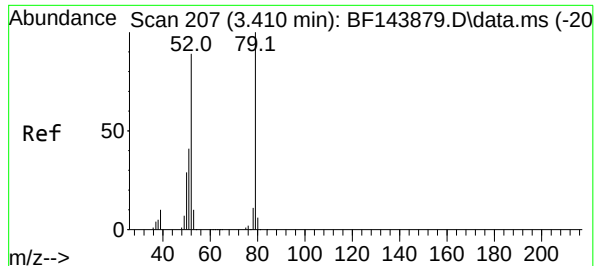
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#2
1,4-Dioxane
Concen: 41.781 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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





#3

Pyridine

Concen: 41.775 ng

RT: 3.410 min Scan# 207

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 439985

Ion Ratio Lower Upper

79 100

52 89.4 71.5 107.3

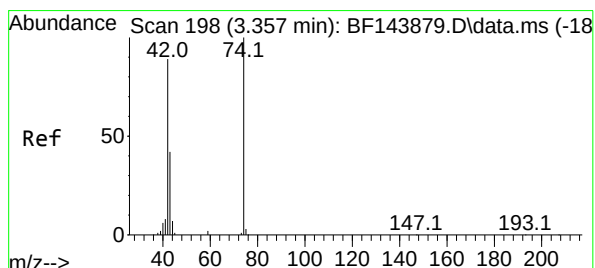
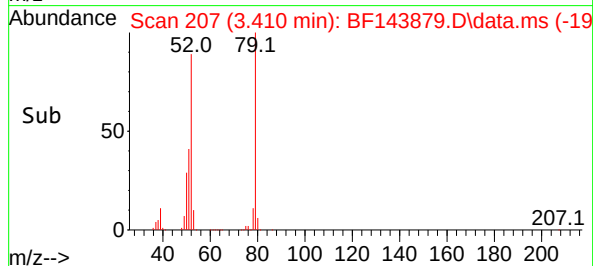
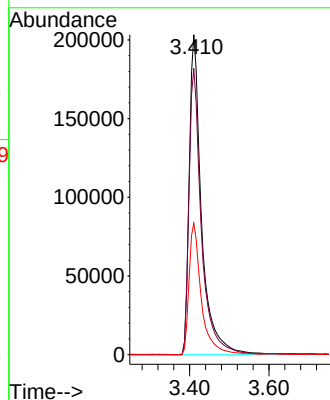
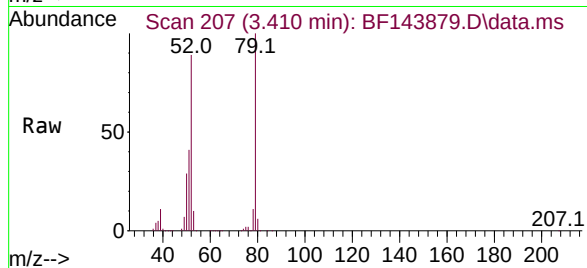
51 41.1 32.9 49.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#4

n-Nitrosodimethylamine

Concen: 40.760 ng

RT: 3.357 min Scan# 198

Delta R.T. -0.029 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

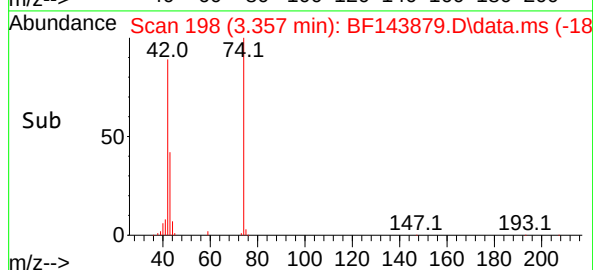
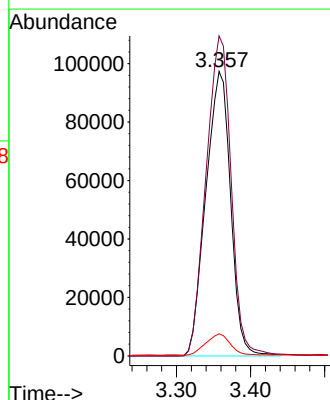
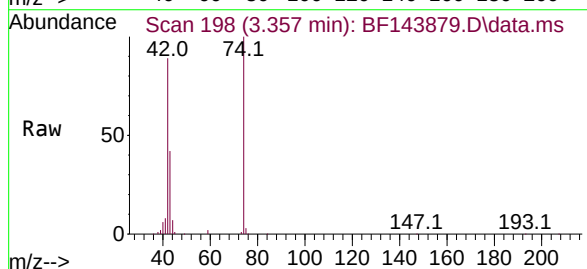
Tgt Ion: 42 Resp: 225827

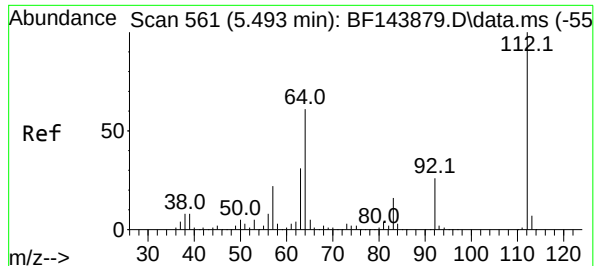
Ion Ratio Lower Upper

42 100

74 112.5 90.0 135.0

44 7.7 6.2 9.2





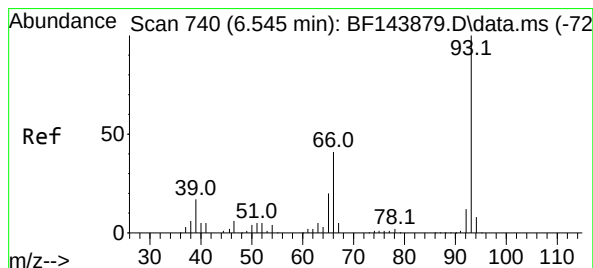
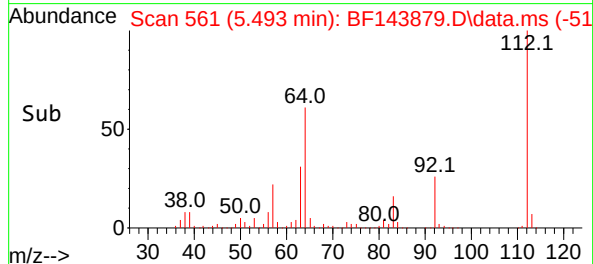
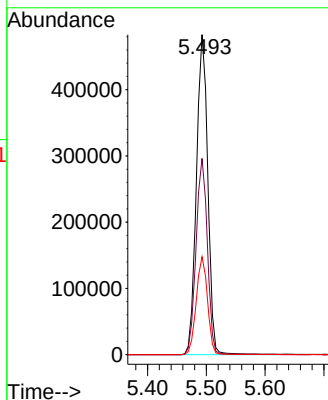
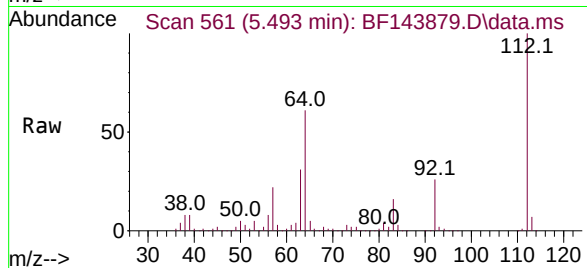
#5
2-Fluorophenol
Concen: 83.027 ng
RT: 5.493 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
Client Sample Id :
SSTDICCC040

Tgt Ion: 112 Resp: 64912
Ion Ratio Lower Upper
112 100
64 61.4 49.1 73.7
63 30.6 24.5 36.7

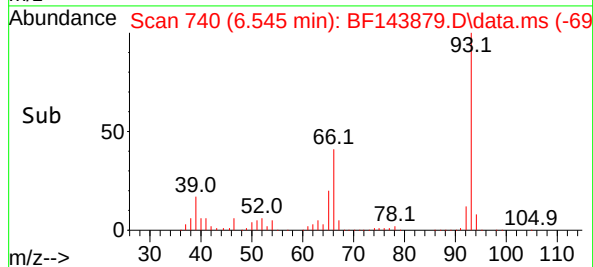
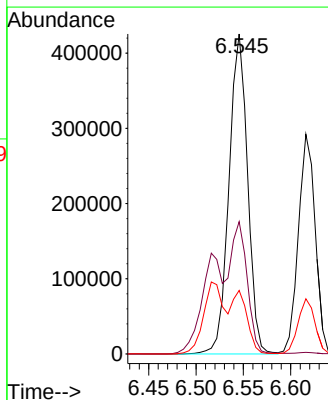
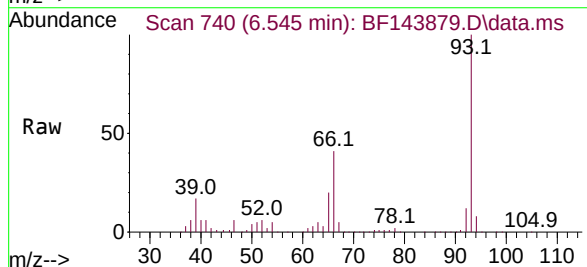
Manual Integrations
APPROVED

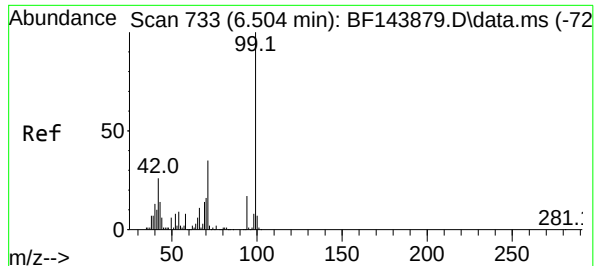
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#6
Aniline
Concen: 41.662 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

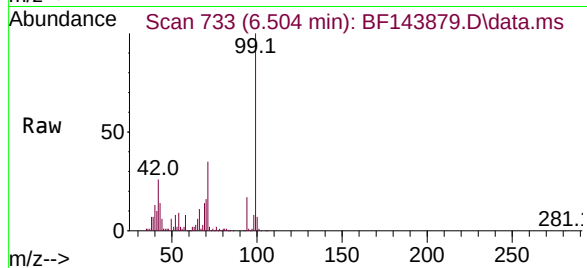
Tgt Ion: 93 Resp: 581779
Ion Ratio Lower Upper
93 100
66 41.3 33.0 49.6
65 19.8 15.8 23.8





#7
Phenol-d6
Concen: 82.158 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

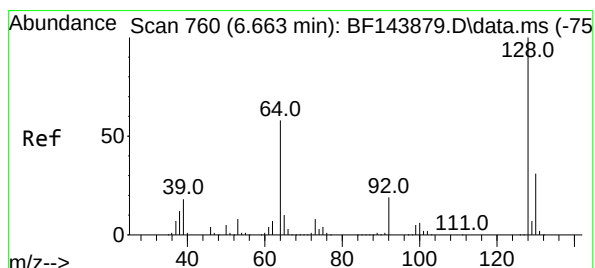
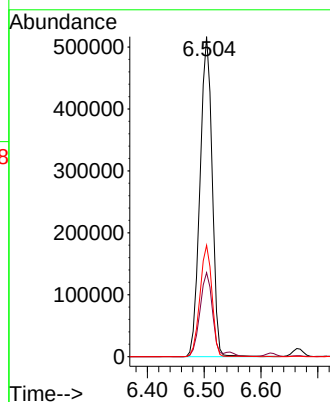
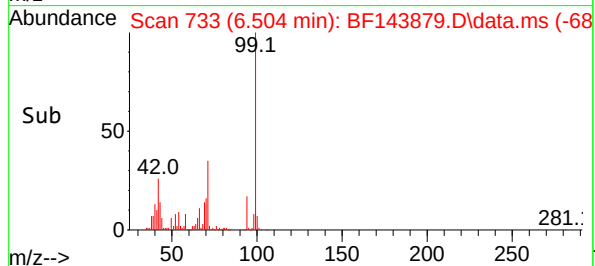
Instrument :
BNA_F
Client Sample Id :
SSTDICCC040



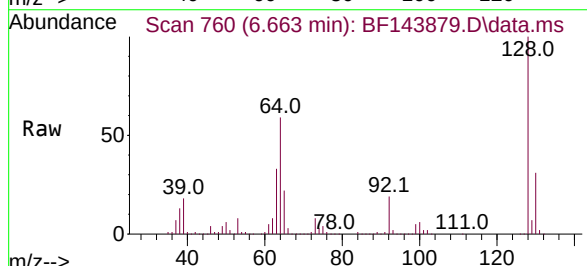
Tgt Ion: 99 Resp: 765629
Ion Ratio Lower Upper
99 100
42 26.2 21.0 31.4
71 34.8 27.8 41.8

Manual Integrations
APPROVED

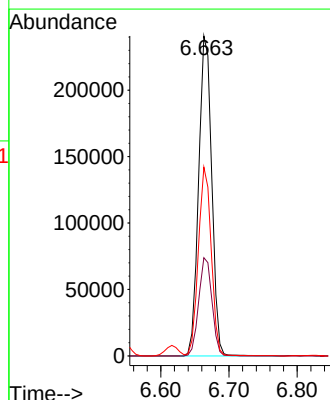
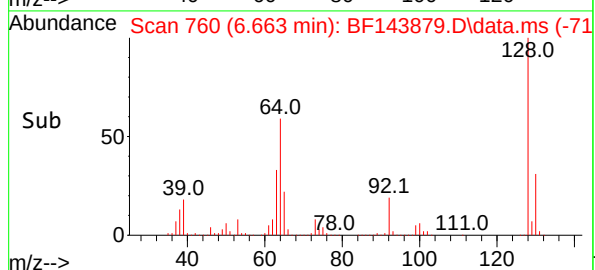
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

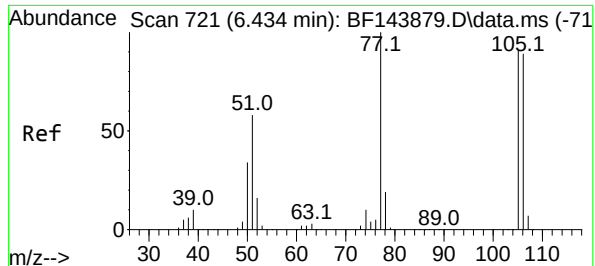


#8
2-Chlorophenol
Concen: 42.055 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54



Tgt Ion: 128 Resp: 321394
Ion Ratio Lower Upper
128 100
130 30.7 10.7 50.7
64 59.0 39.0 79.0





#9

Benzaldehyde

Concen: 45.914 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 330062

Ion Ratio Lower Upper

77 100

105 90.9 70.9 110.9

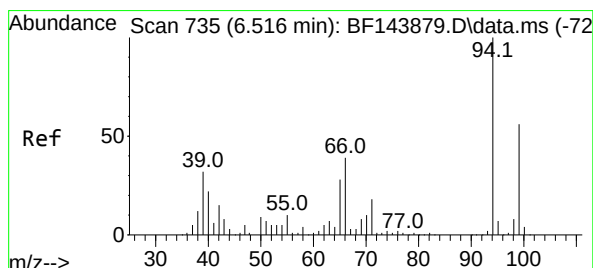
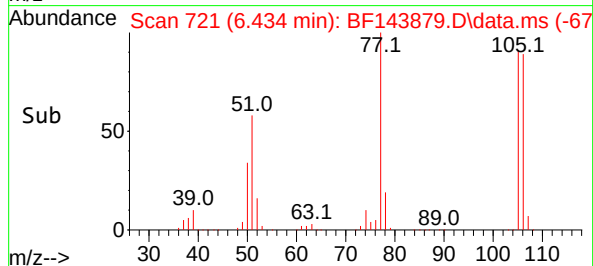
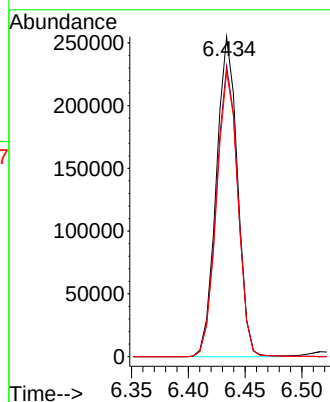
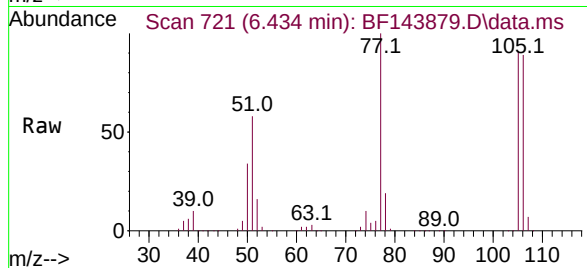
106 88.9 68.9 108.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#10

Phenol

Concen: 41.042 ng m

RT: 6.516 min Scan# 735

Delta R.T. -0.018 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

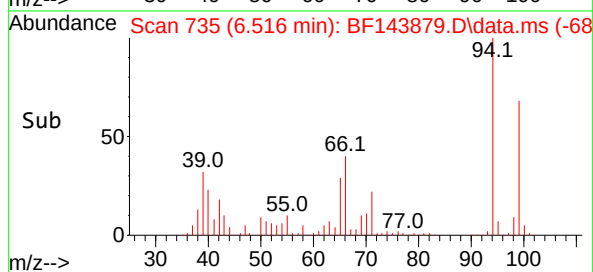
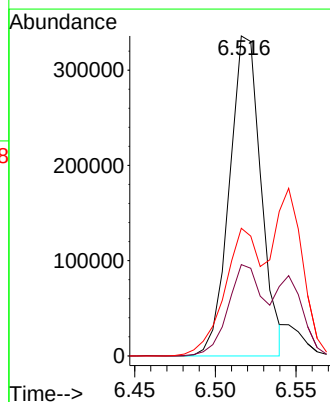
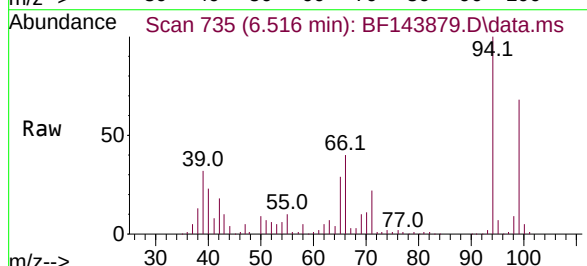
Tgt Ion: 94 Resp: 457250

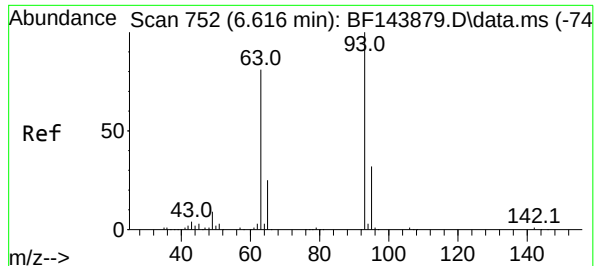
Ion Ratio Lower Upper

94 100

65 28.5 8.5 48.5

66 39.9 19.9 59.9





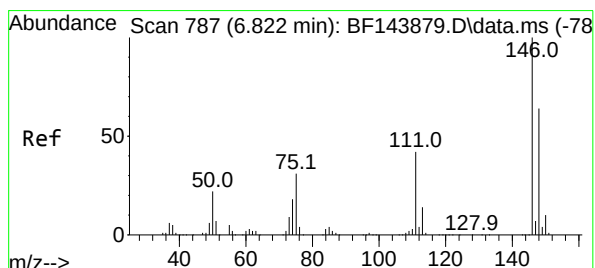
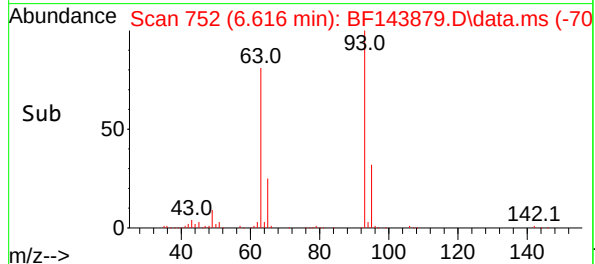
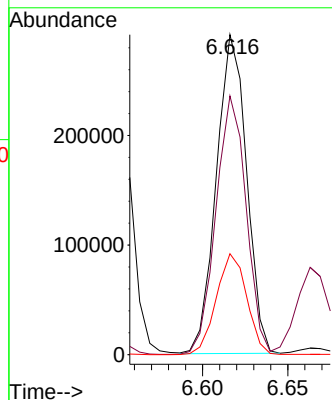
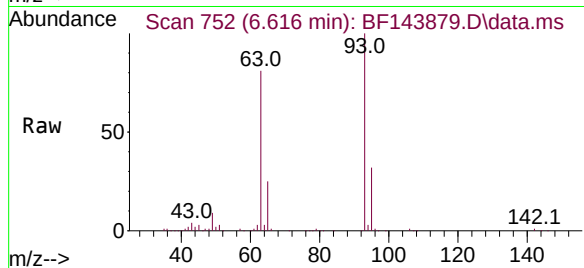
#11
bis(2-Chloroethyl)ether
Concen: 41.712 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

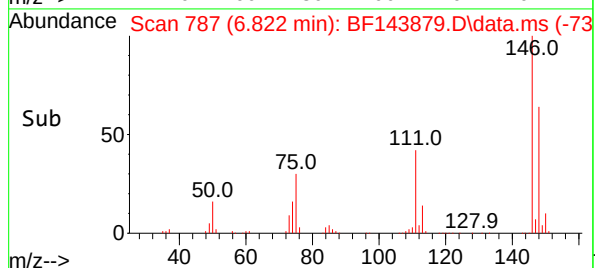
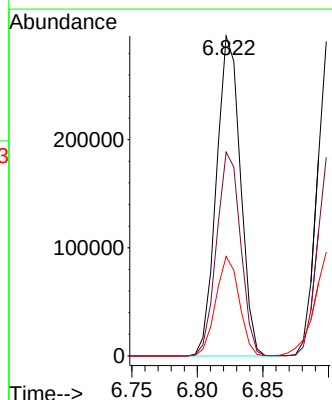
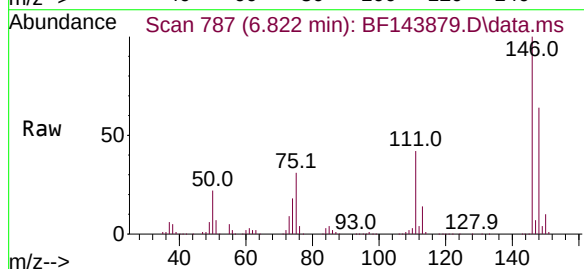
Manual Integrations
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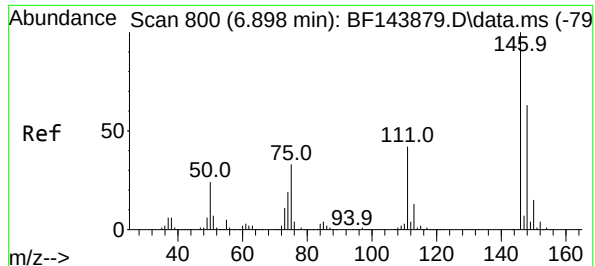
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#12
1,3-Dichlorobenzene
Concen: 41.141 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:146 Resp: 376359
Ion Ratio Lower Upper
146 100
148 63.7 51.0 76.4
75 31.1 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 41.238 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 372118

Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

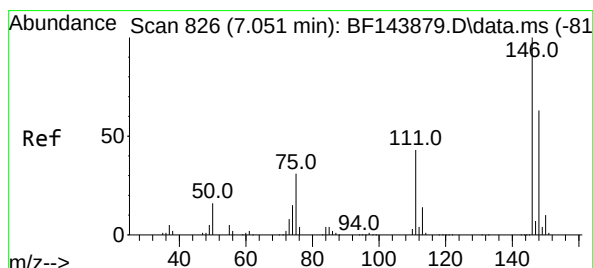
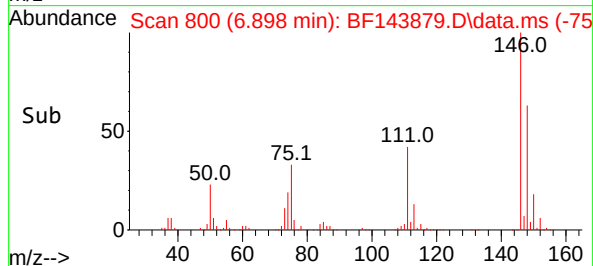
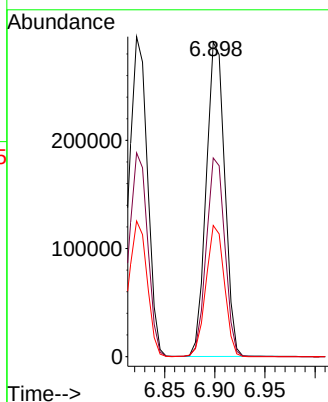
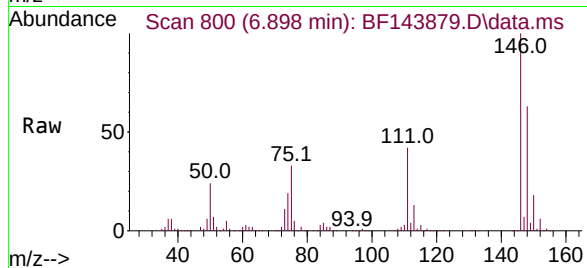
111 41.7 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#14

1,2-Dichlorobenzene

Concen: 41.204 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

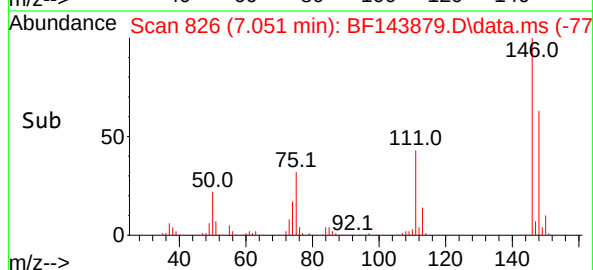
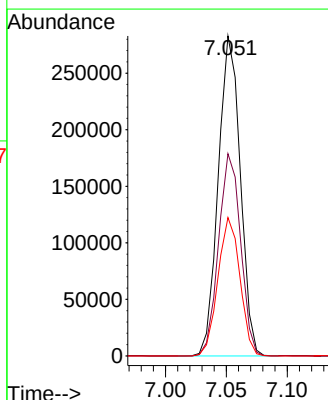
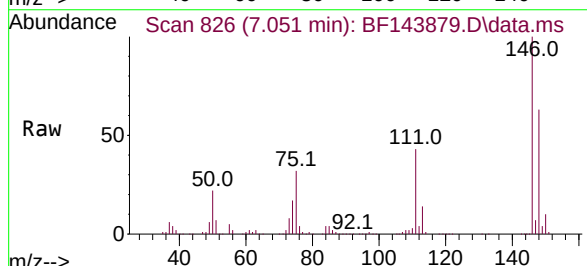
Tgt Ion:146 Resp: 356137

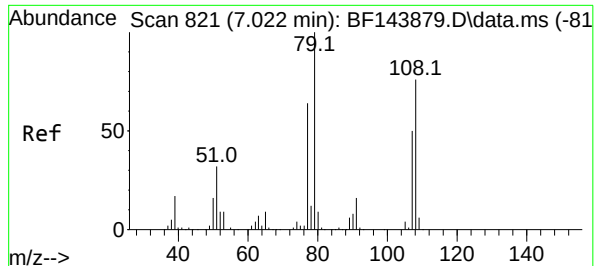
Ion Ratio Lower Upper

146 100

148 63.2 50.6 75.8

111 43.2 34.6 51.8





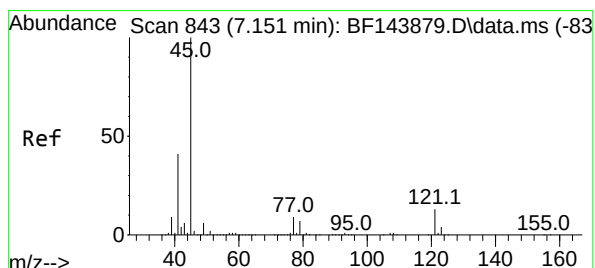
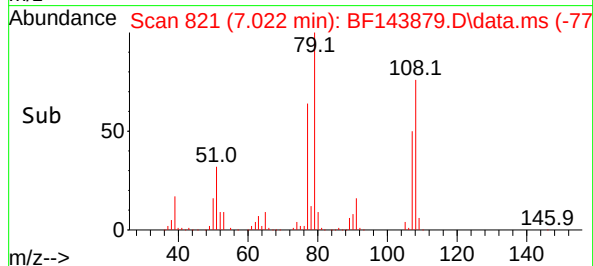
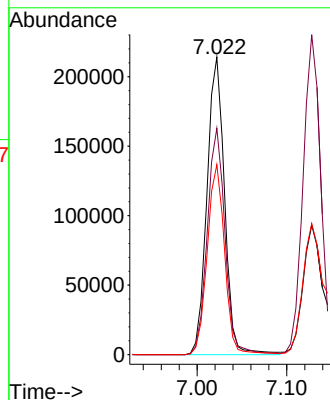
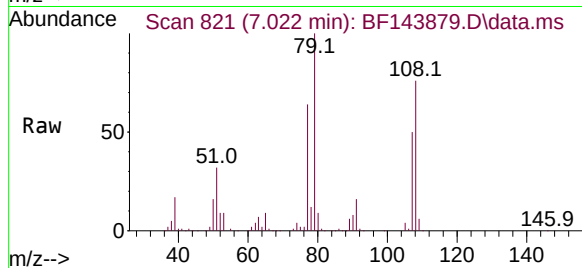
#15
Benzyl Alcohol
Concen: 41.707 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

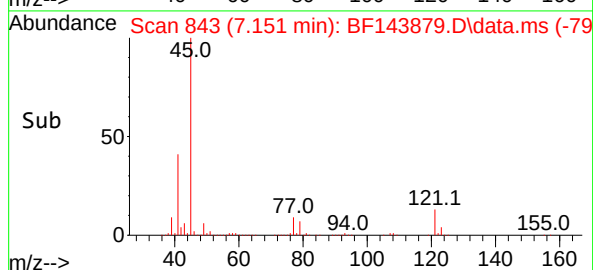
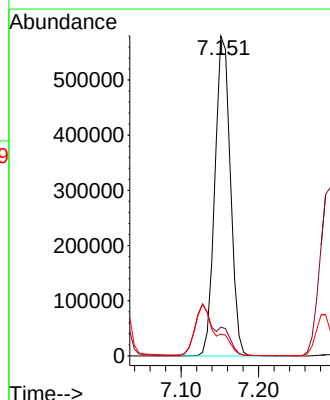
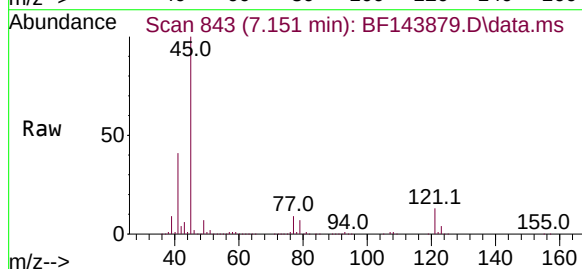
Manual Integrations
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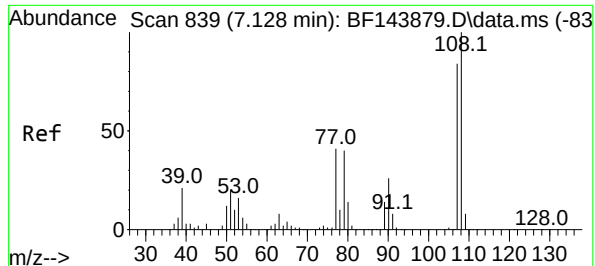
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#16
2,2'-oxybis(1-chloropropane)
Concen: 41.052 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

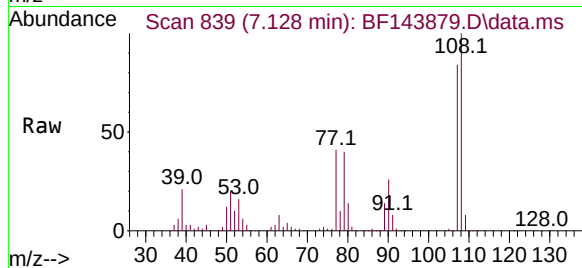
Tgt Ion: 45 Resp: 804199
Ion Ratio Lower Upper
45 100
77 9.0 0.0 29.0
79 6.8 0.0 26.8





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

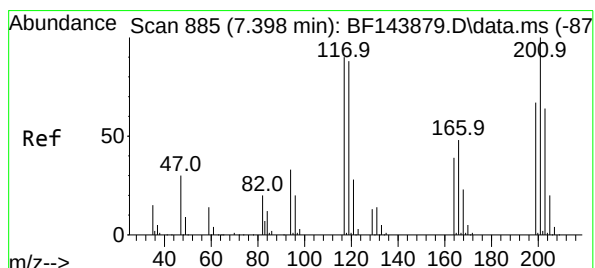
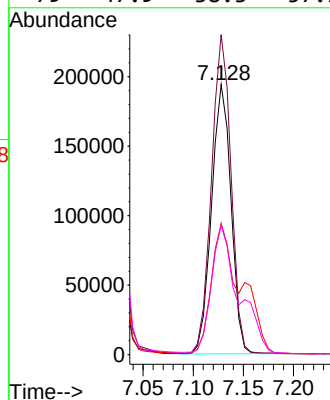
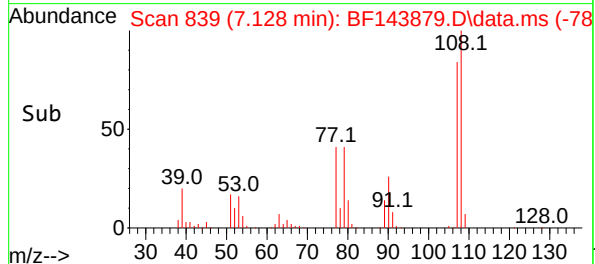
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



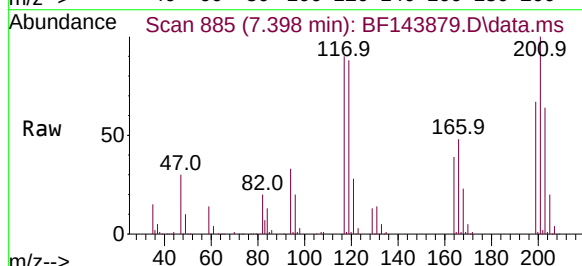
Tgt Ion:107 Resp: 261669
Ion Ratio Lower Upper
107 100
108 118.4 94.7 142.1
77 48.5 38.8 58.2
79 47.9 38.3 57.5

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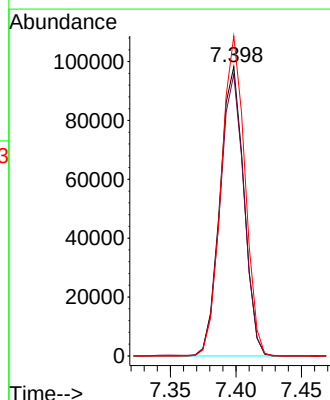
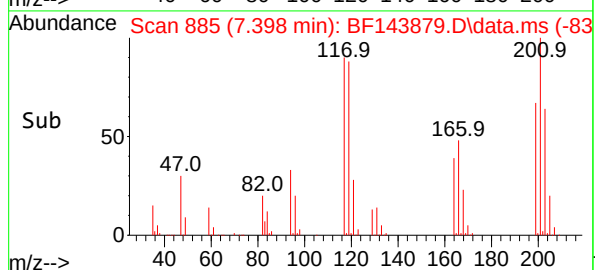
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

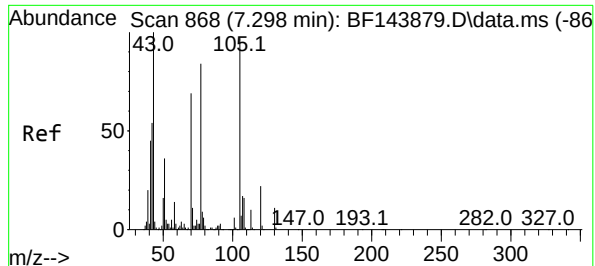


#18
Hexachloroethane
Concen: 41.313 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54



Tgt Ion:117 Resp: 124325
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8
201 110.6 88.5 132.7





#19

n-Nitroso-di-n-propylamine

Concen: 39.929 ng

RT: 7.298 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 25470

Ion Ratio Lower Upper

70 100

42 78.5 62.8 94.2

101 8.4 6.7 10.1

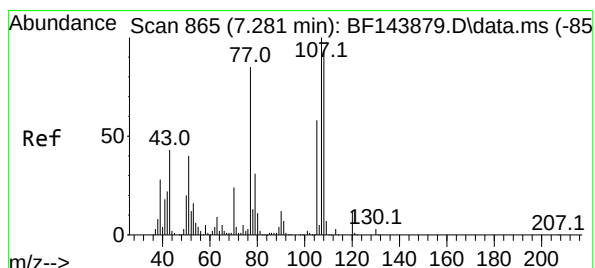
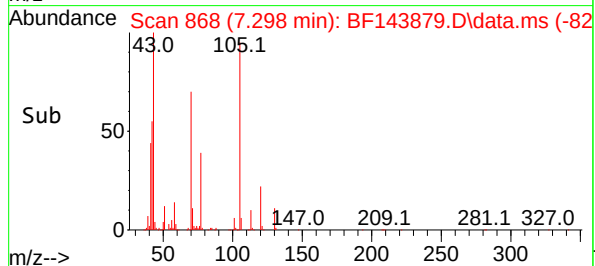
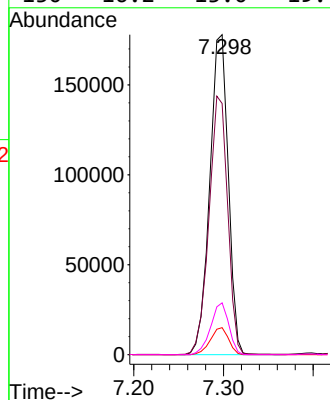
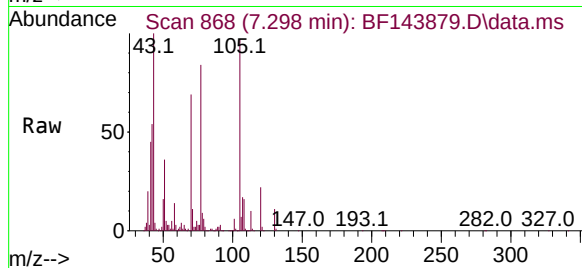
130 16.2 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#20

3+4-Methylphenols

Concen: 42.934 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.018 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Tgt Ion:107 Resp: 314281

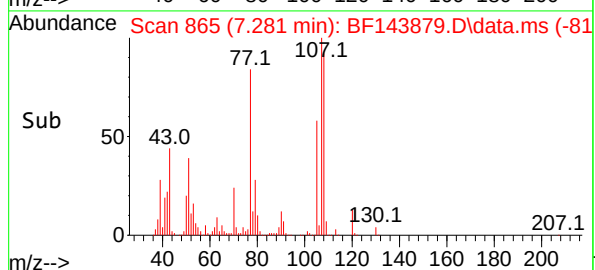
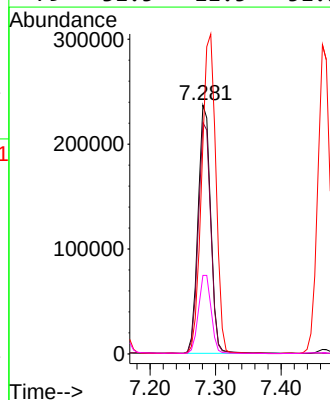
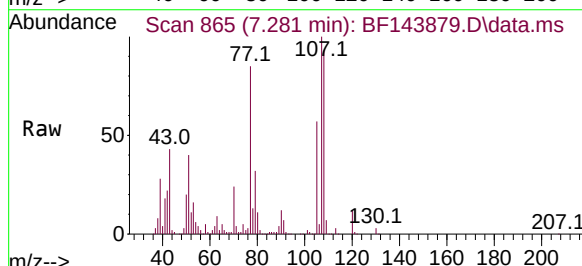
Ion Ratio Lower Upper

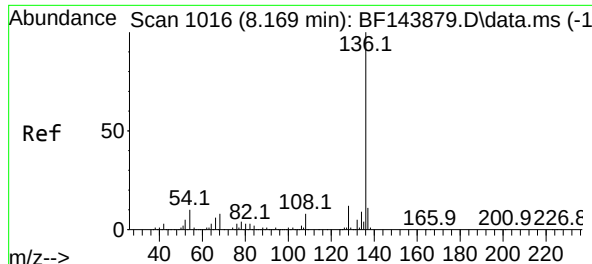
107 100

108 93.0 73.0 113.0

77 84.6 64.6 104.6

79 31.5 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 479933

Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 10.3 8.2 12.4

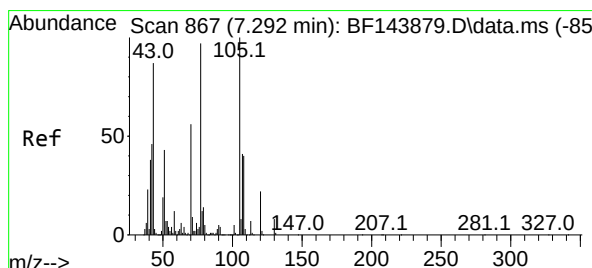
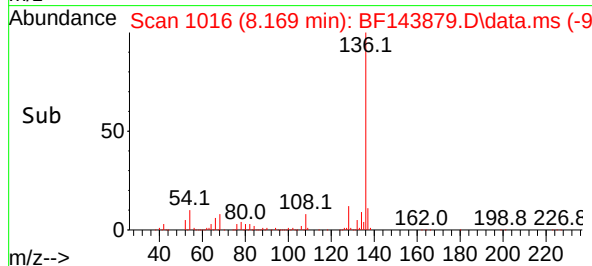
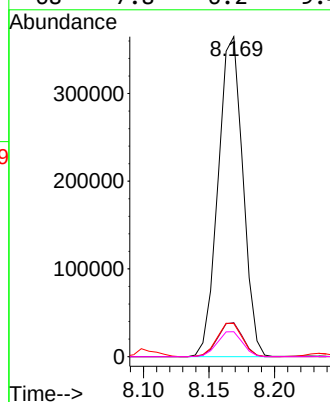
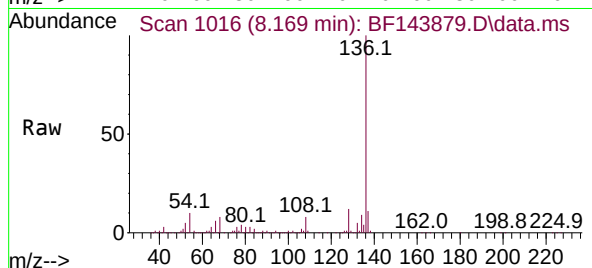
68 7.8 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#22

Acetophenone

Concen: 40.946 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Tgt Ion:105 Resp: 415513

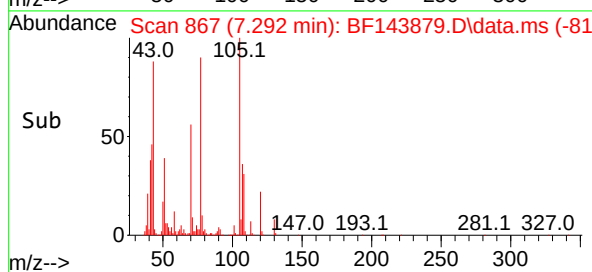
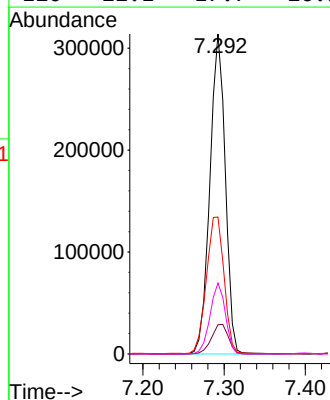
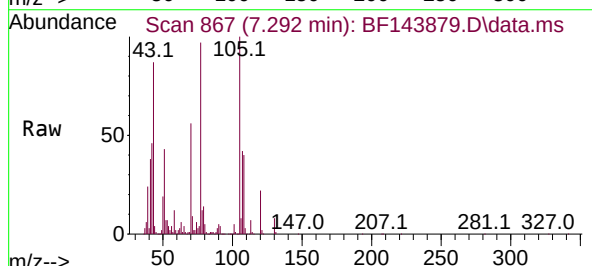
Ion Ratio Lower Upper

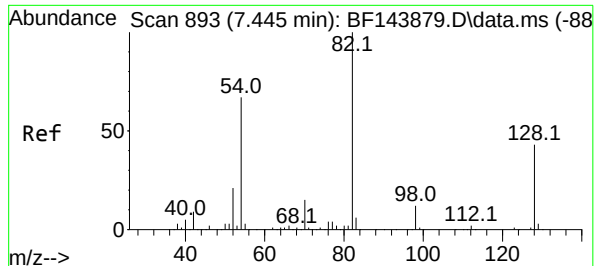
105 100

71 9.2 7.4 11.0

51 42.8 34.2 51.4

120 22.1 17.7 26.5





#23

Nitrobenzene-d5

Concen: 83.898 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 662754

Ion Ratio Lower Upper

82 100

128 42.5 34.0 51.0

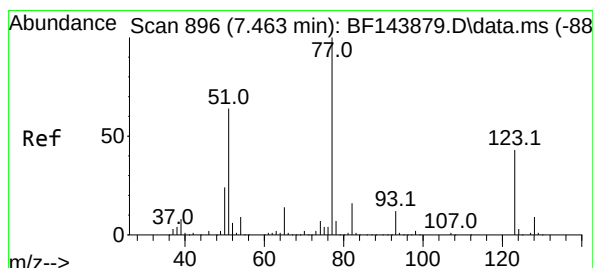
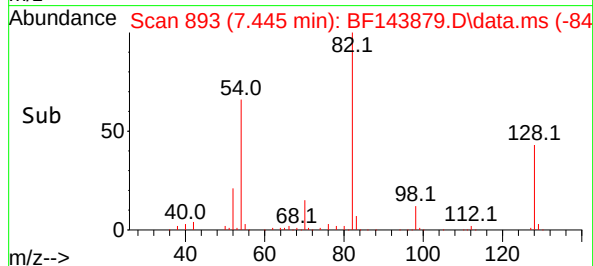
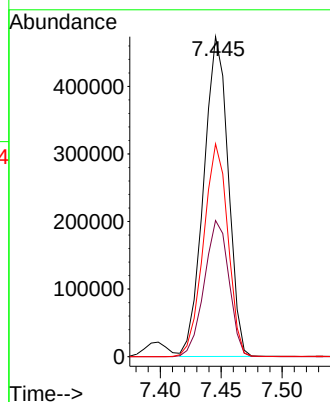
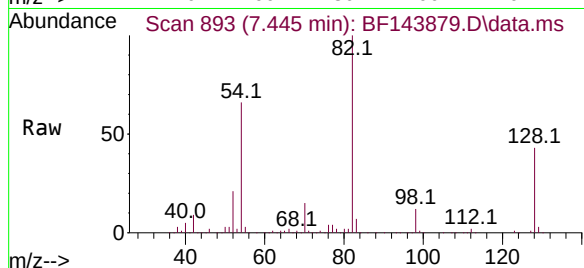
54 66.5 53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#24

Nitrobenzene

Concen: 42.828 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

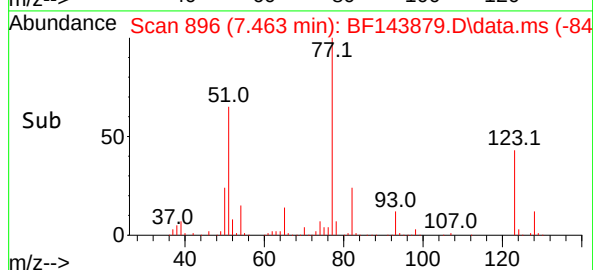
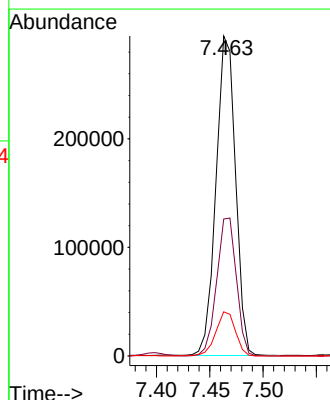
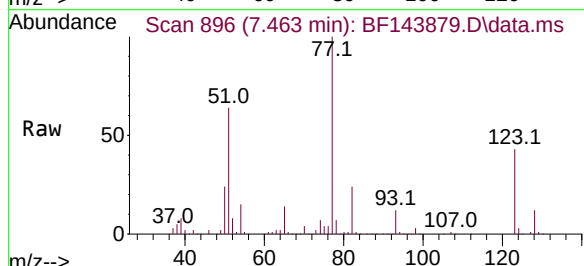
Tgt Ion: 77 Resp: 375708

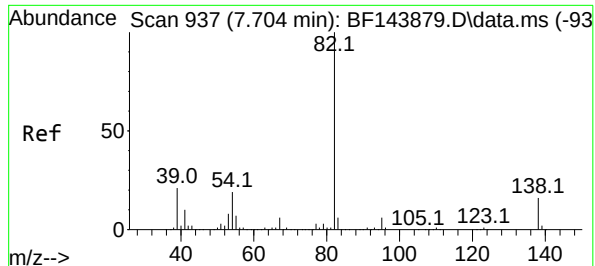
Ion Ratio Lower Upper

77 100

123 42.8 34.2 51.4

65 13.8 11.0 16.6





#25

Isophorone

Concen: 40.645 ng

RT: 7.704 min Scan# 937

Delta R.T. -0.018 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

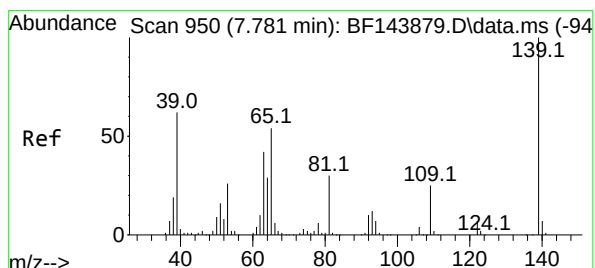
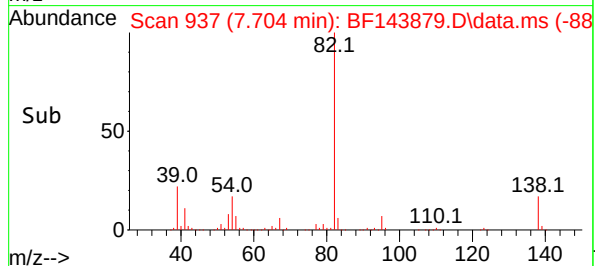
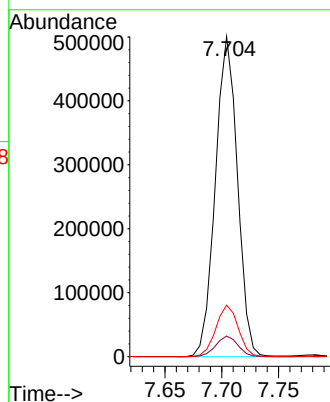
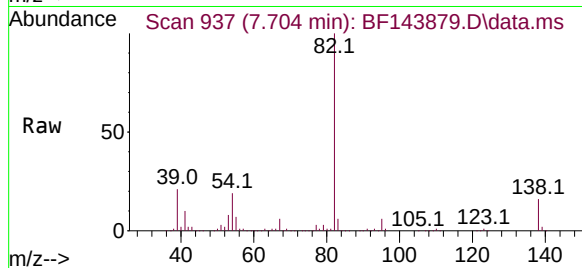
Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:	82	Resp:	67700
Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.1	7.7
138	16.1	12.9	19.3

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

#26

2-Nitrophenol

Concen: 44.428 ng

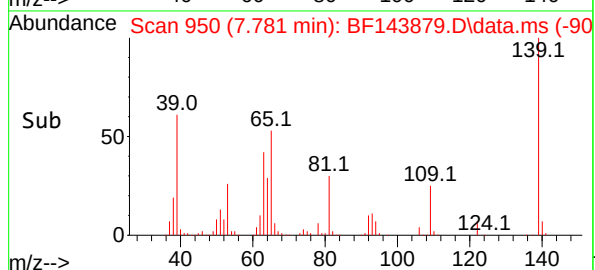
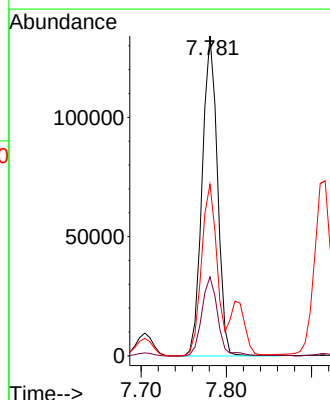
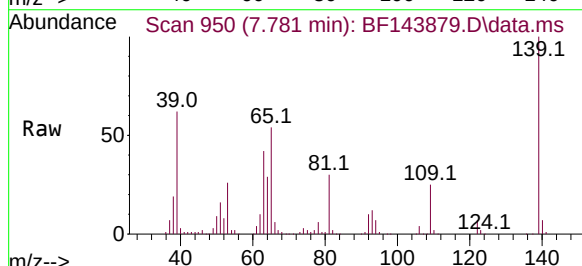
RT: 7.781 min Scan# 950

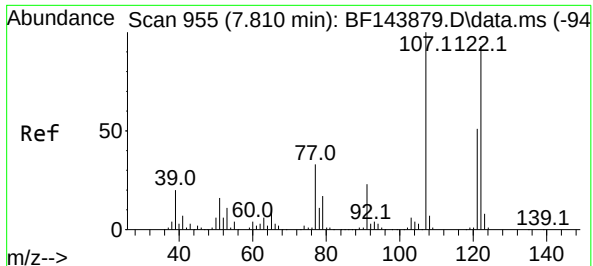
Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Tgt Ion:	139	Resp:	167096
Ion	Ratio	Lower	Upper
139	100		
109	24.7	19.8	29.6
65	53.6	42.9	64.3





#27

2,4-Dimethylphenol

Concen: 41.818 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

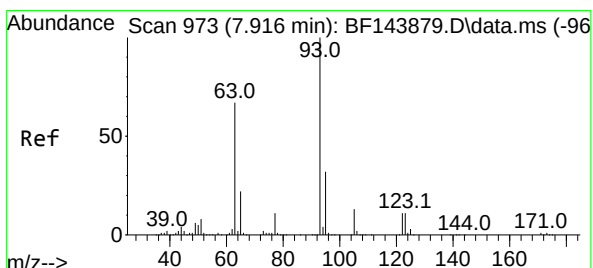
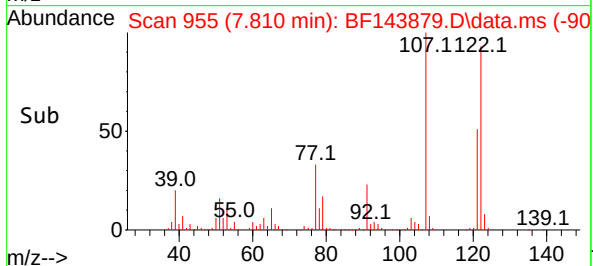
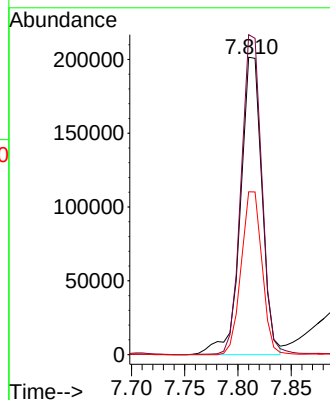
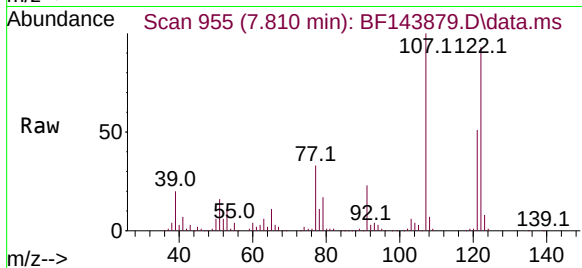
Tgt Ion:122 Resp: 282923

Ion	Ratio	Lower	Upper
122	100		
107	107.6	86.1	129.1
121	54.7	43.8	65.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.486 ng

RT: 7.916 min Scan# 973

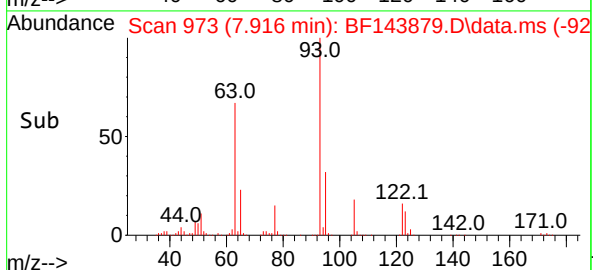
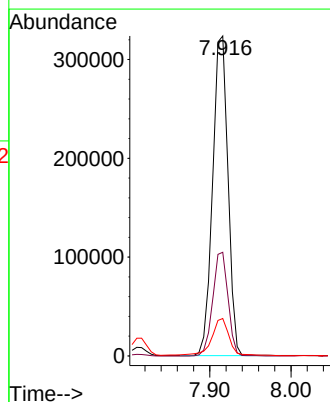
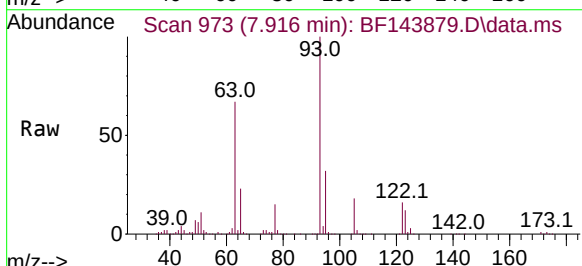
Delta R.T. -0.006 min

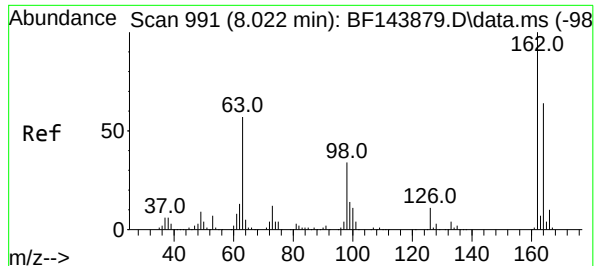
Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Tgt Ion: 93 Resp: 425986

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.9	38.9
123	11.7	9.4	14.0





#29

2,4-Dichlorophenol

Concen: 41.782 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143879.D

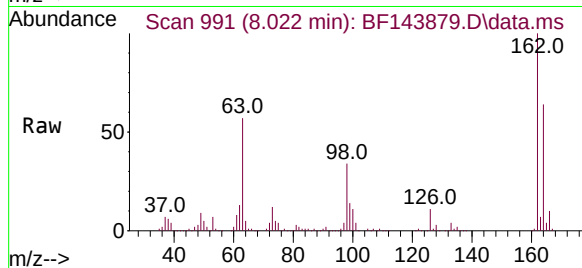
Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

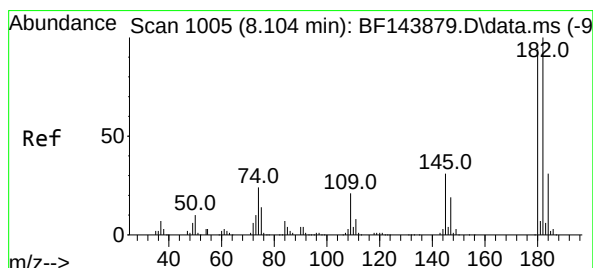
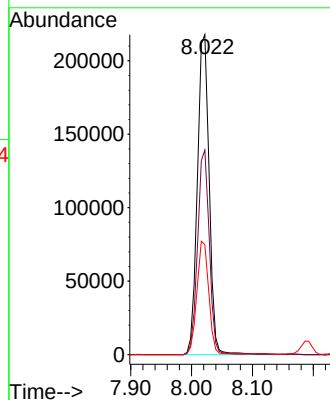
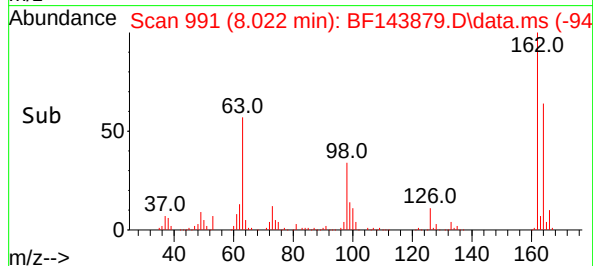


Tgt Ion:162	Resp:	294452
Ion	Ratio	Lower Upper
162	100	
164	63.9	43.9 83.9
98	34.4	14.4 54.4

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

Supervised By :Jagrut Upadhyay 10/07/2025



#30

1,2,4-Trichlorobenzene

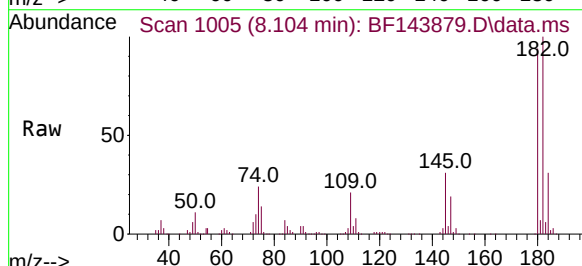
Concen: 41.312 ng

RT: 8.104 min Scan# 1005

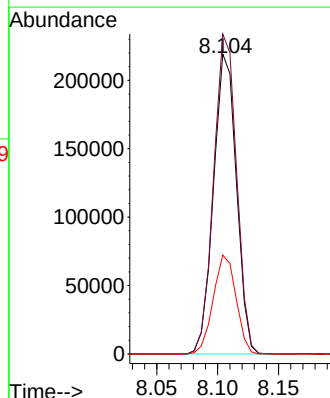
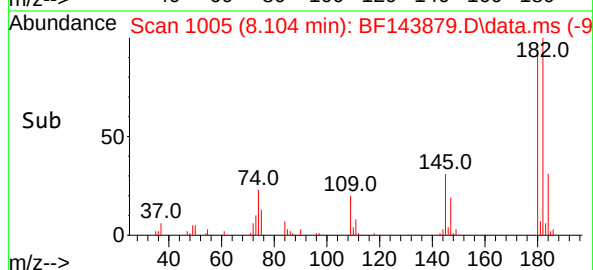
Delta R.T. -0.006 min

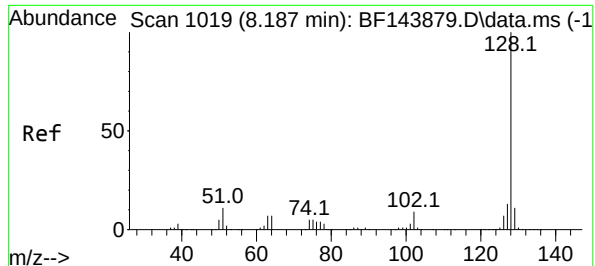
Lab File: BF143879.D

Acq: 06 Oct 2025 12:54



Tgt Ion:180	Resp:	286330
Ion	Ratio	Lower Upper
180	100	
182	106.7	85.4 128.0
145	32.9	26.3 39.5





#31

Naphthalene

Concen: 40.961 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:128 Resp: 894263

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

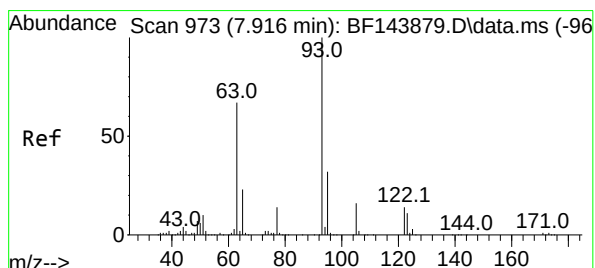
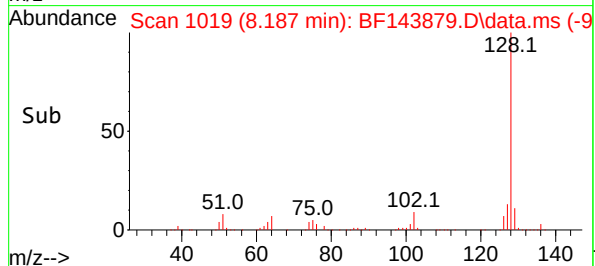
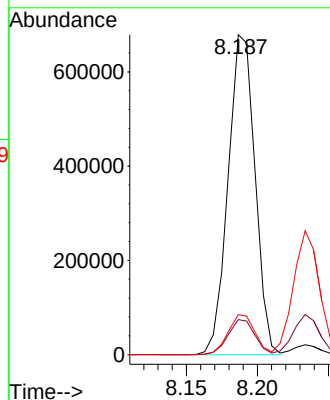
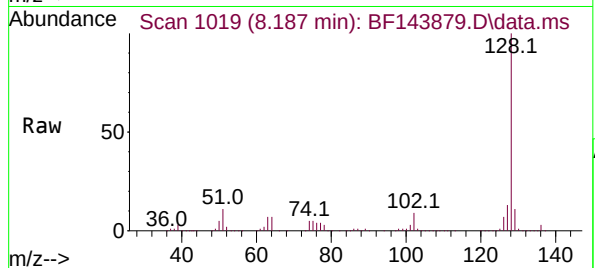
127 12.5 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#32

Benzoic acid

Concen: 42.630 ng m

RT: 7.916 min Scan# 973

Delta R.T. -0.047 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

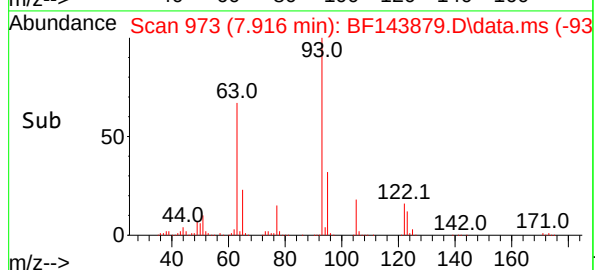
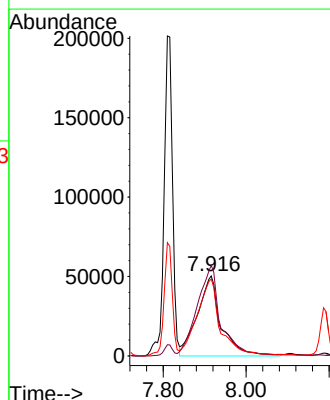
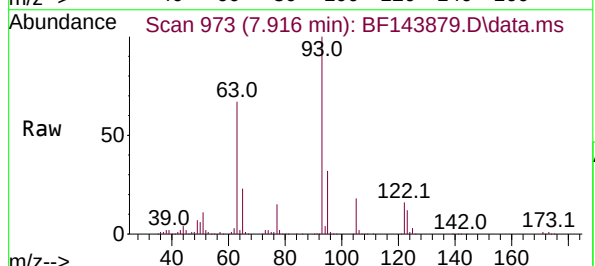
Tgt Ion:122 Resp: 199609

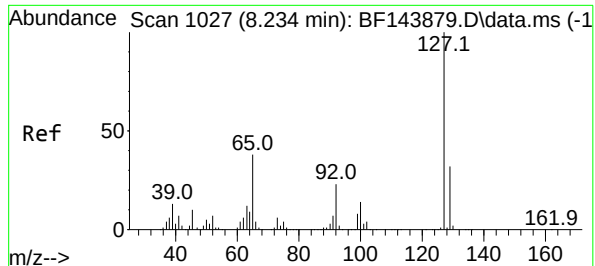
Ion Ratio Lower Upper

122 100

105 113.5 93.5 133.5

77 96.3 76.3 116.3





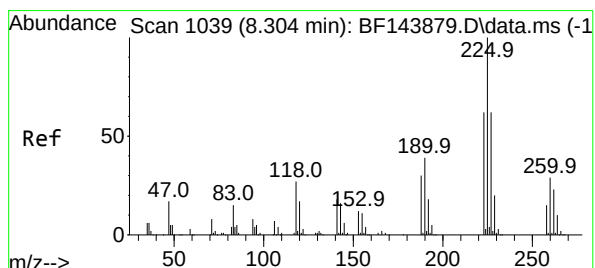
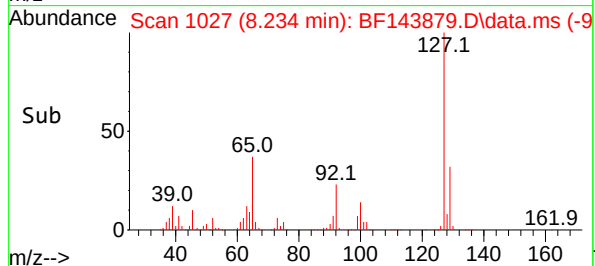
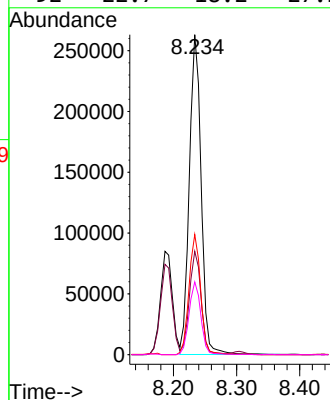
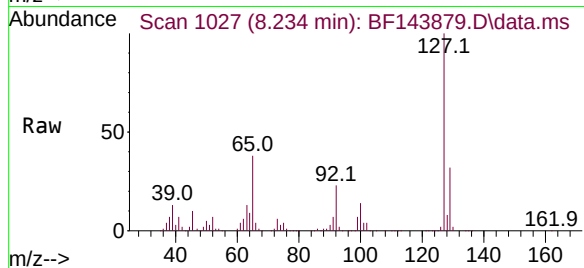
#33
4-Chloroaniline
Concen: 41.630 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
Client Sample Id :
SSTDICCC040

Tgt Ion:127 Resp: 340866
Ion Ratio Lower Upper
127 100
129 32.3 25.8 38.8
65 37.5 30.0 45.0
92 22.7 18.2 27.2

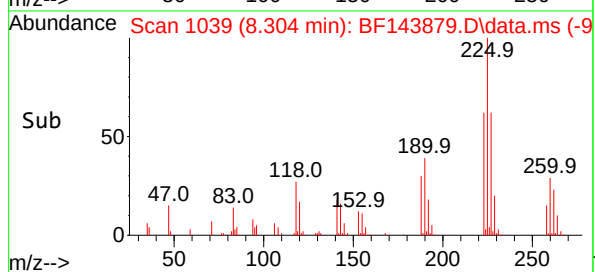
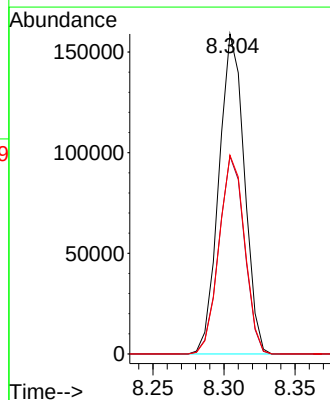
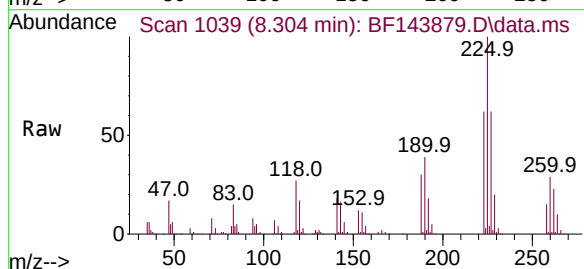
Manual Integrations
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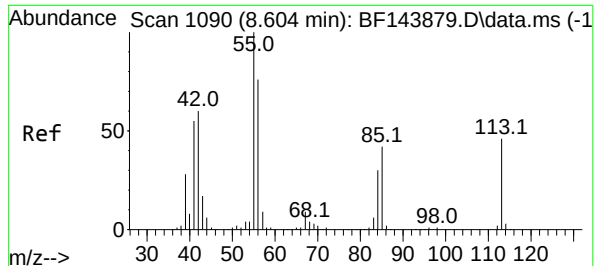
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#34
Hexachlorobutadiene
Concen: 41.170 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

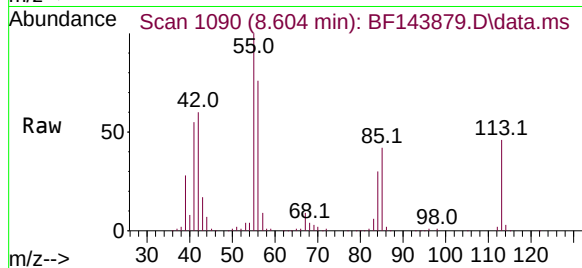
Tgt Ion:225 Resp: 198282
Ion Ratio Lower Upper
225 100
223 61.8 49.4 74.2
227 62.1 49.7 74.5





#35
Caprolactam
Concen: 40.816 ng
RT: 8.604 min Scan# 1090
Delta R.T. -0.041 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

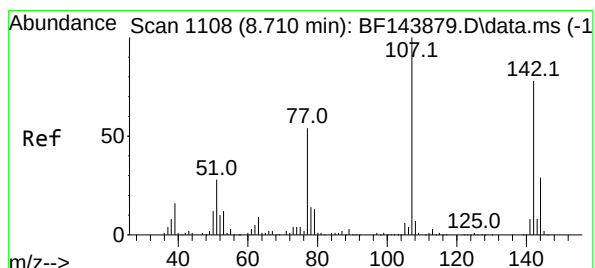
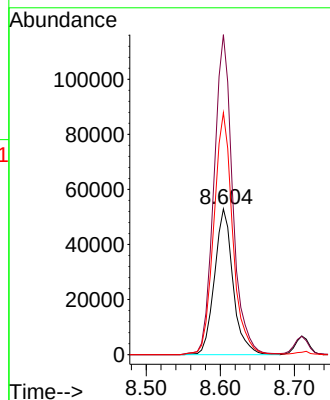
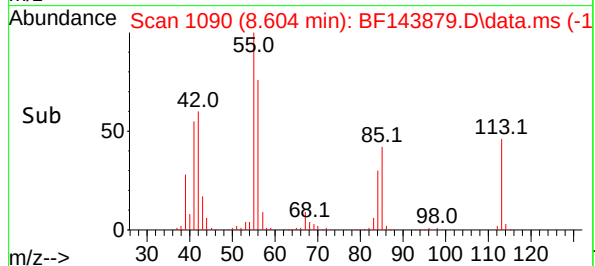
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

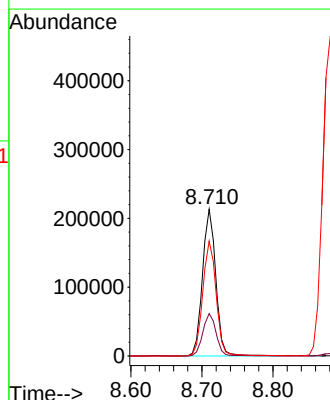
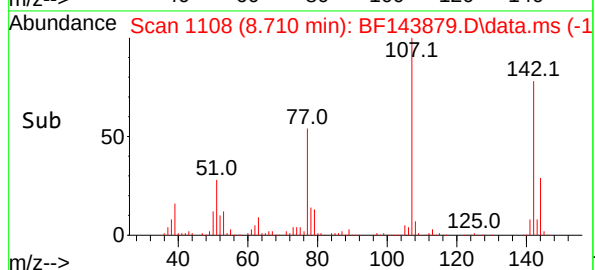
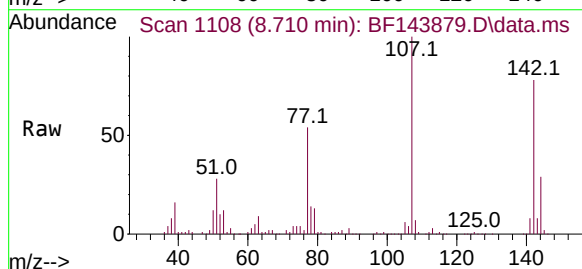
Manual Integrations
APPROVED

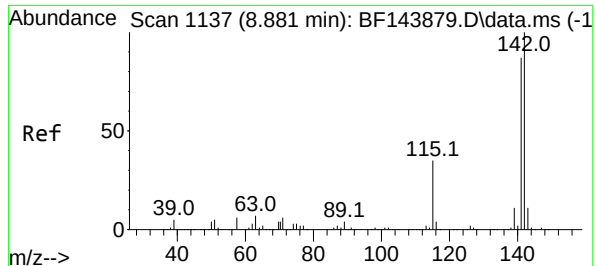
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#36
4-Chloro-3-methylphenol
Concen: 40.758 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:107 Resp: 275908
Ion Ratio Lower Upper
107 100
144 28.9 23.1 34.7
142 78.3 62.6 94.0





#37

2-Methylnaphthalene

Concen: 40.669 ng

RT: 8.881 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:142 Resp: 591428

Ion Ratio Lower Upper

142 100

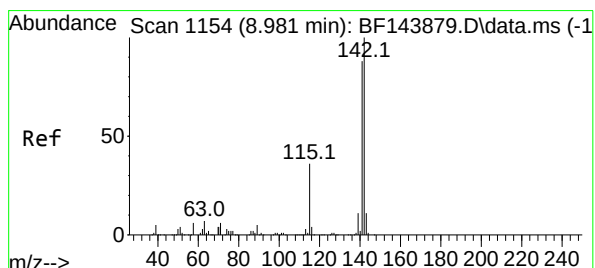
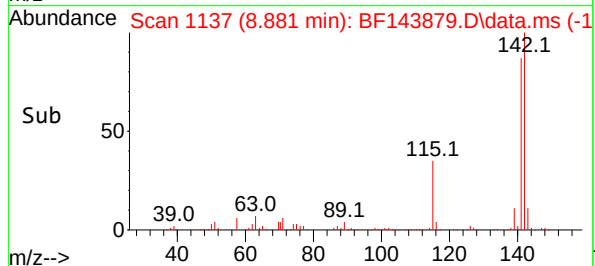
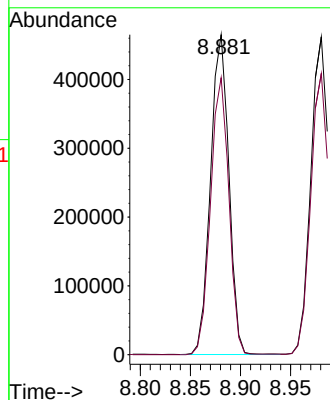
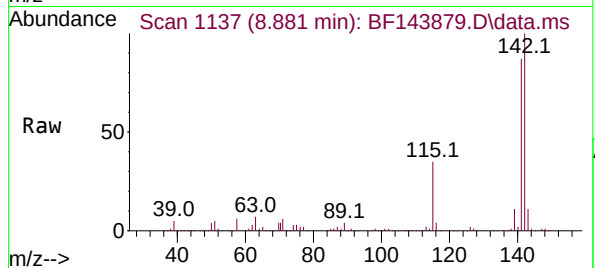
141 86.5 69.2 103.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#38

1-Methylnaphthalene

Concen: 41.196 ng

RT: 8.981 min Scan# 1154

Delta R.T. -0.005 min

Lab File: BF143879.D

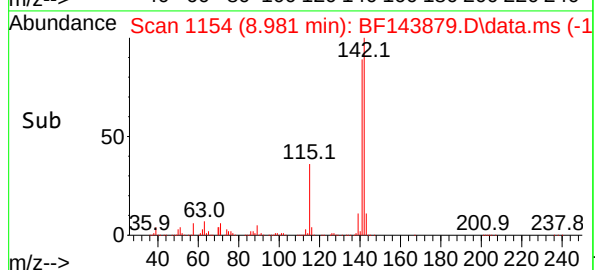
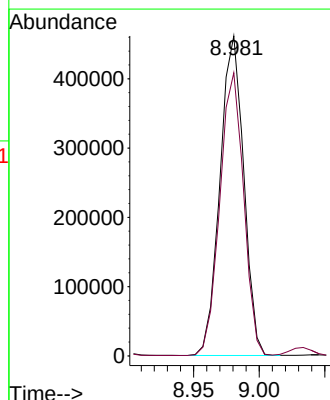
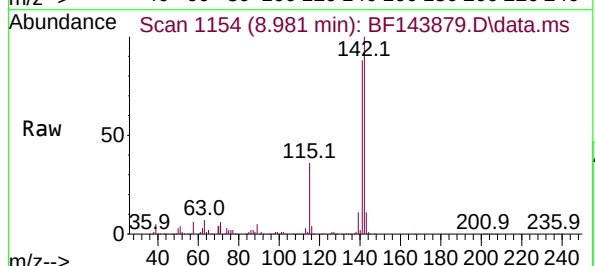
Acq: 06 Oct 2025 12:54

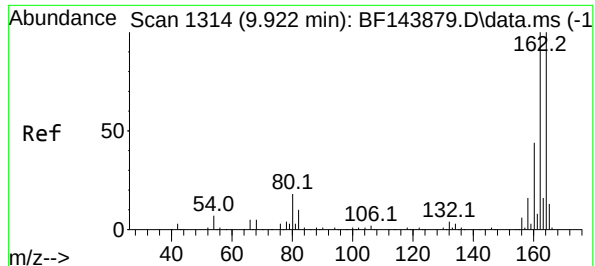
Tgt Ion:142 Resp: 581114

Ion Ratio Lower Upper

142 100

141 88.5 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143879.D

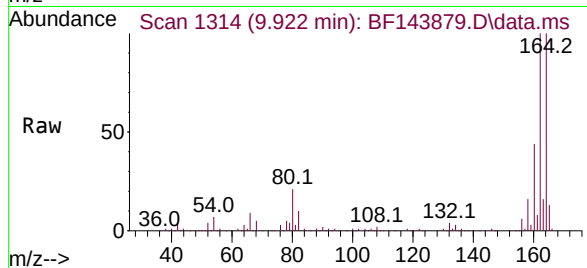
Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:164 Resp: 260024

Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.2

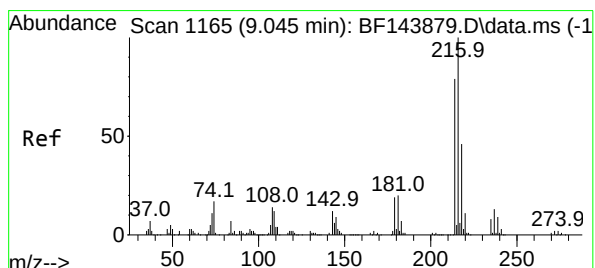
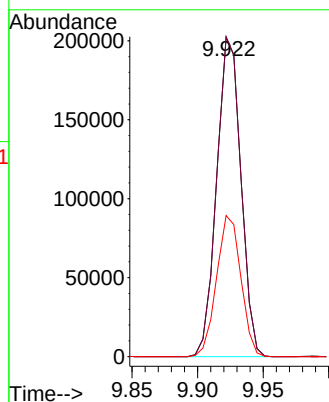
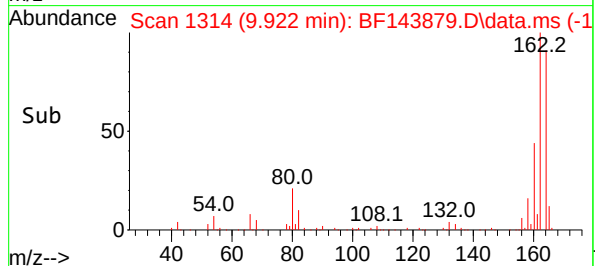
160 44.2 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

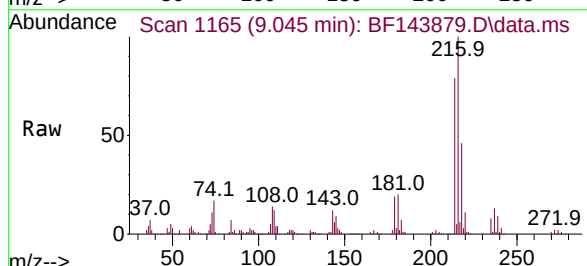
Concen: 42.665 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54



Tgt Ion:216 Resp: 306622

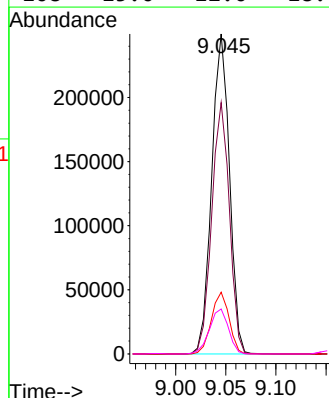
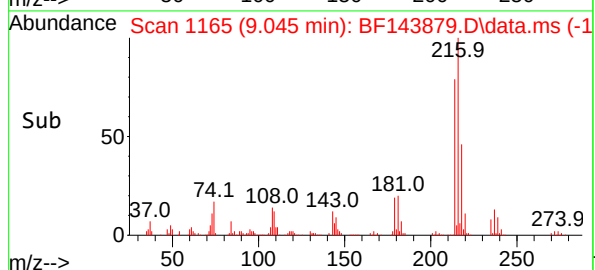
Ion Ratio Lower Upper

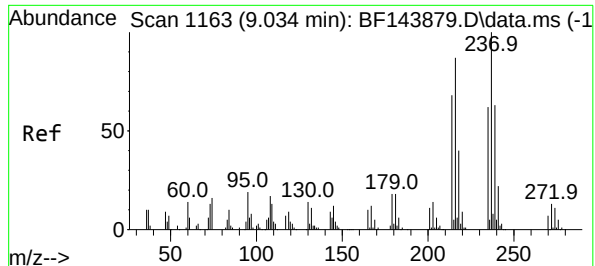
216 100

214 78.3 62.6 94.0

179 19.2 15.4 23.0

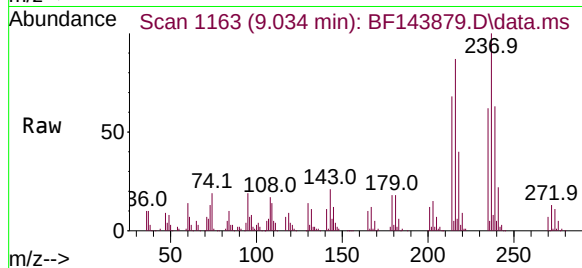
108 15.0 12.0 18.0





#41
Hexachlorocyclopentadiene
Concen: 44.842 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

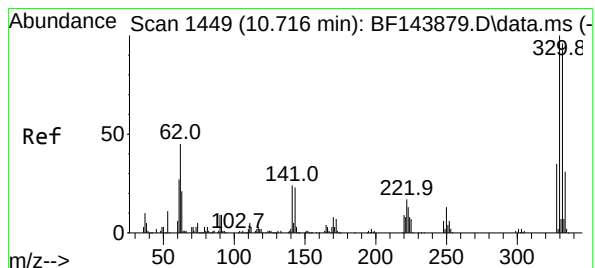
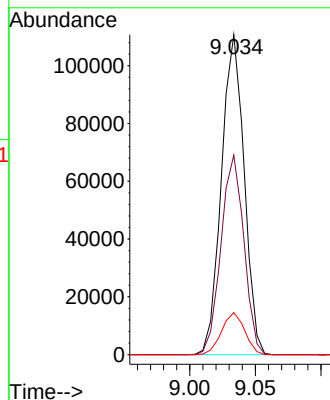
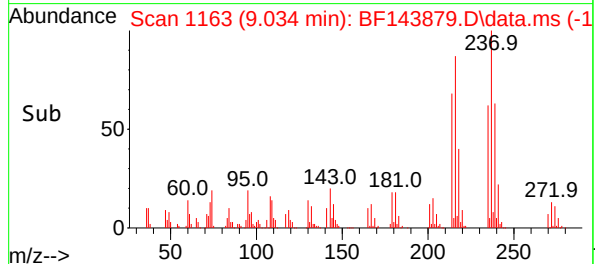
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



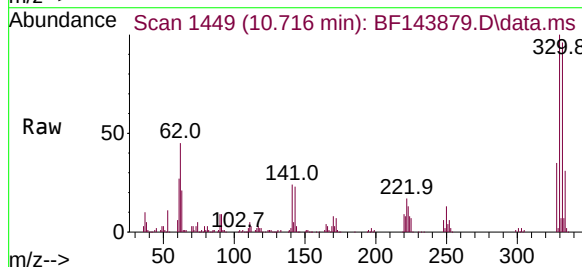
Tgt Ion: 237 Resp: 133694
Ion Ratio Lower Upper
237 100
235 62.3 42.3 82.3
272 13.1 0.0 33.1

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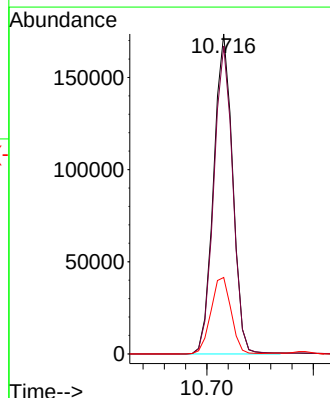
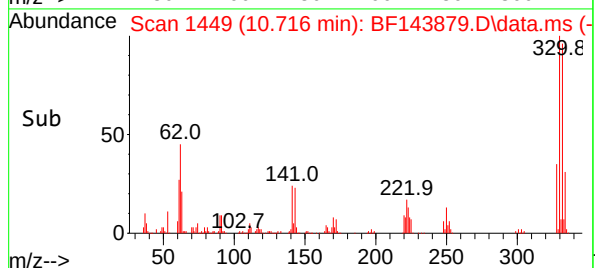
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

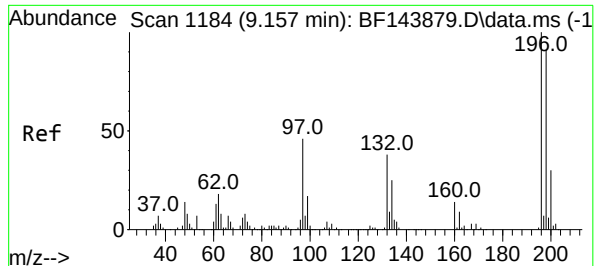


#42
2,4,6-Tribromophenol
Concen: 83.200 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54



Tgt Ion: 330 Resp: 215478
Ion Ratio Lower Upper
330 100
332 96.1 76.9 115.3
141 25.3 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 44.081 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:196 Resp: 231469

Ion Ratio Lower Upper

196 100

198 91.0 72.8 109.2

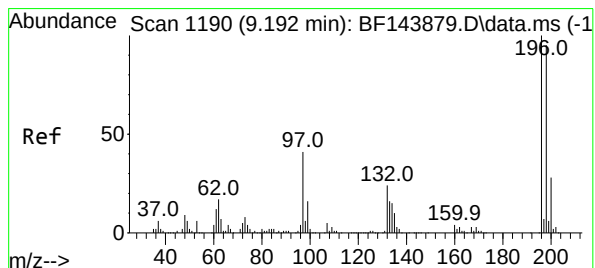
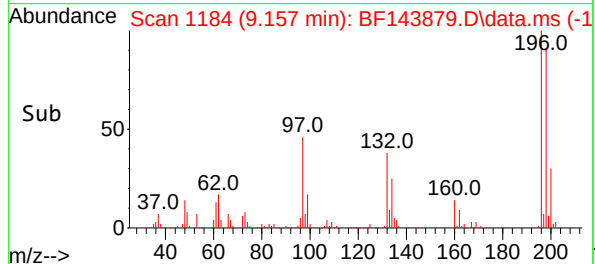
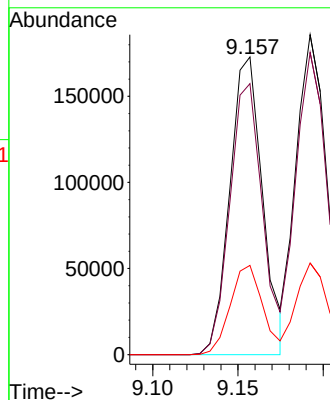
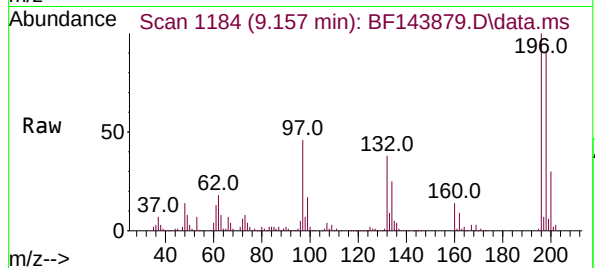
200 30.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#44

2,4,5-Trichlorophenol

Concen: 42.739 ng

RT: 9.192 min Scan# 1190

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Tgt Ion:196 Resp: 237161

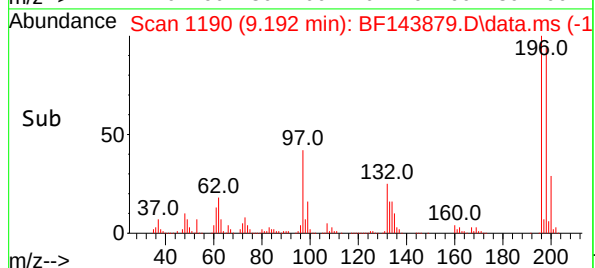
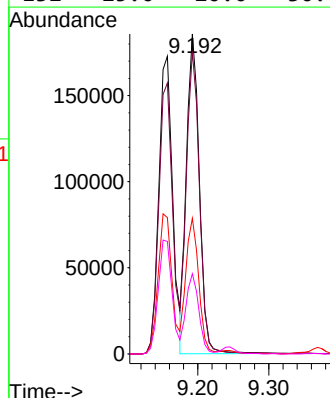
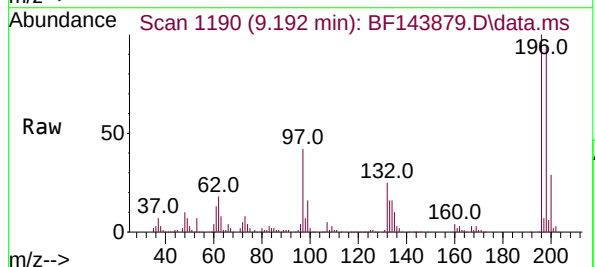
Ion Ratio Lower Upper

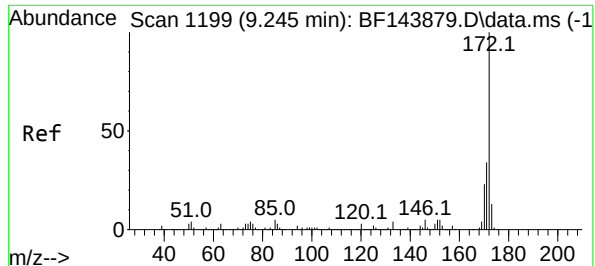
196 100

198 94.4 75.5 113.3

97 42.4 33.9 50.9

132 25.0 20.0 30.0





#45

2-Fluorobiphenyl

Concen: 77.695 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:172 Resp: 1273210

Ion Ratio Lower Upper

172 100

171 34.2 27.4 41.0

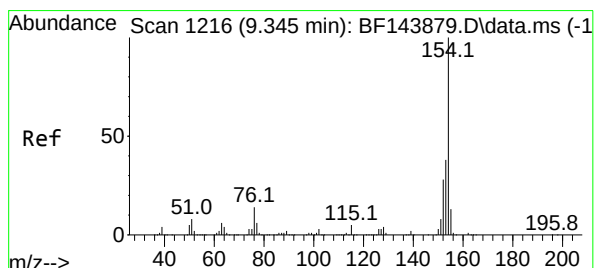
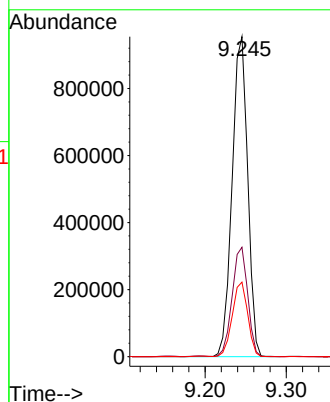
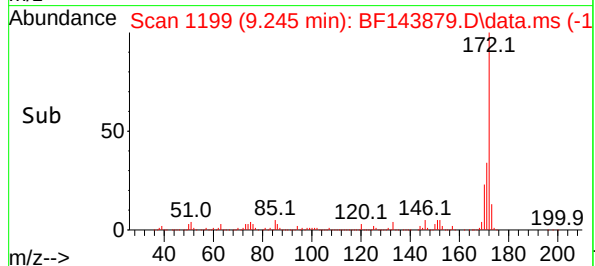
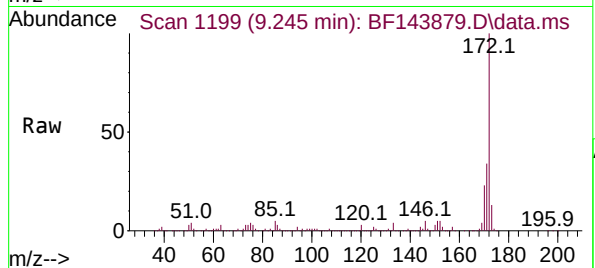
170 23.3 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#46

1,1'-Biphenyl

Concen: 41.490 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

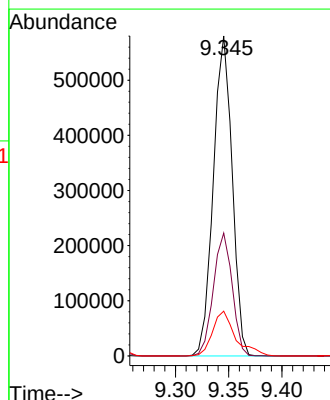
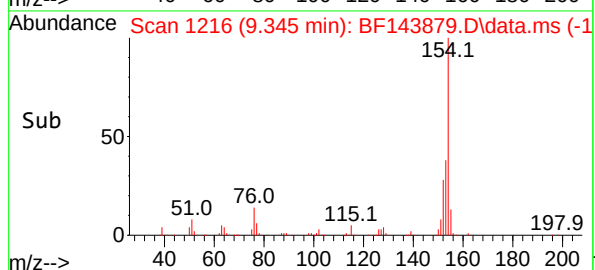
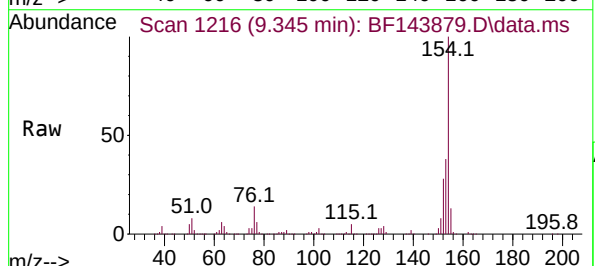
Tgt Ion:154 Resp: 714293

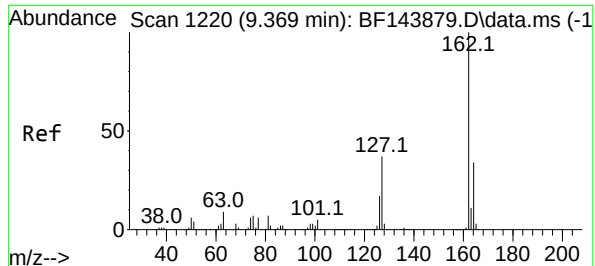
Ion Ratio Lower Upper

154 100

153 38.4 18.4 58.4

76 14.0 0.0 34.0





#47

2-Chloronaphthalene

Concen: 41.204 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 59144

Ion Ratio Lower Upper

162 100

127 37.7 30.2 45.2

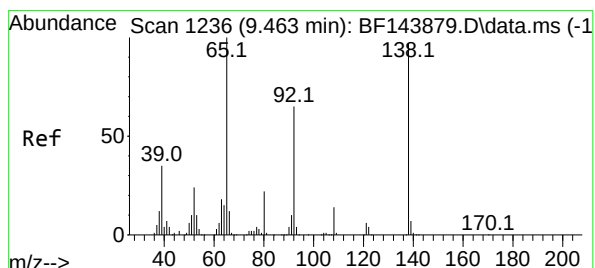
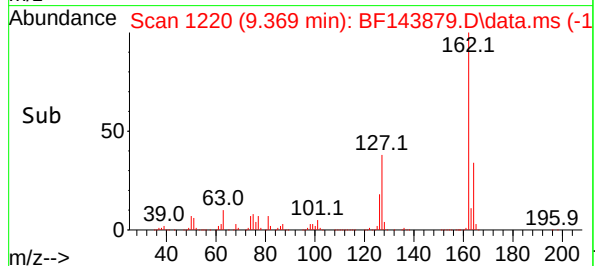
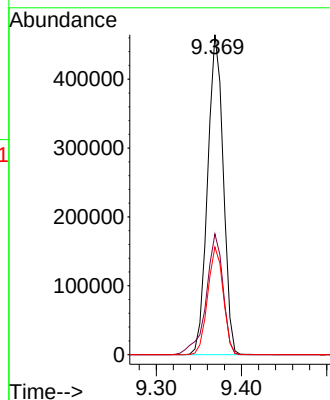
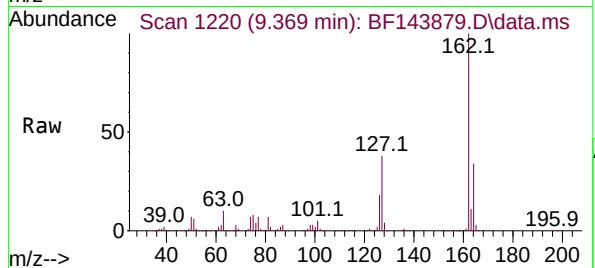
164 33.6 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#48

2-Nitroaniline

Concen: 44.894 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

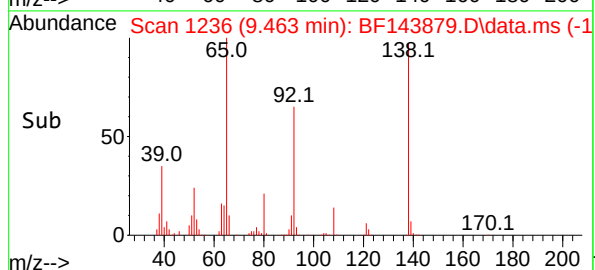
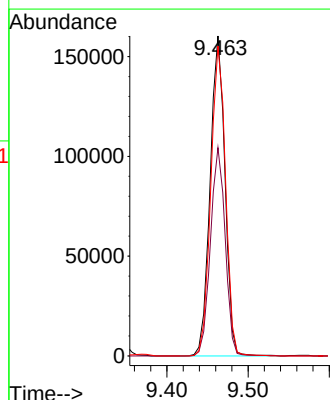
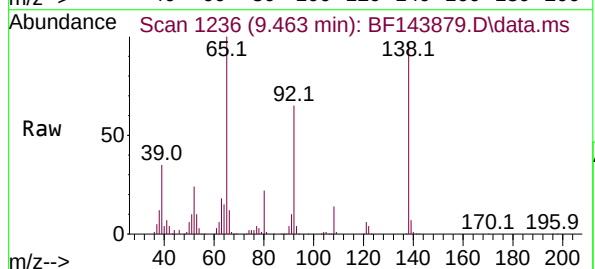
Tgt Ion: 65 Resp: 203733

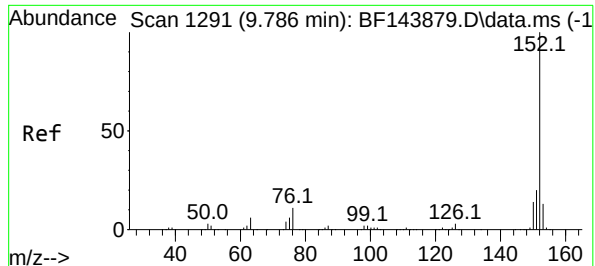
Ion Ratio Lower Upper

65 100

92 65.1 52.1 78.1

138 96.8 77.4 116.2





#49

Acenaphthylene

Concen: 41.828 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:152 Resp: 844062

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

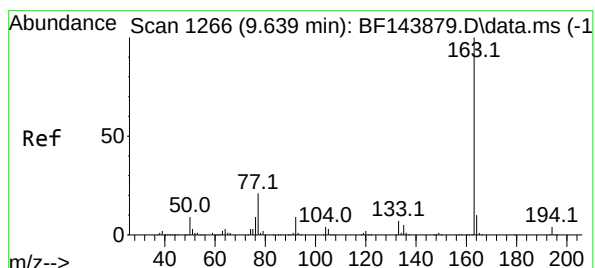
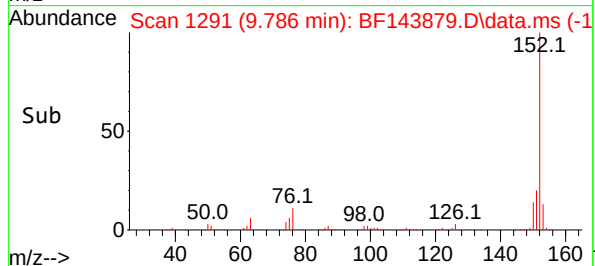
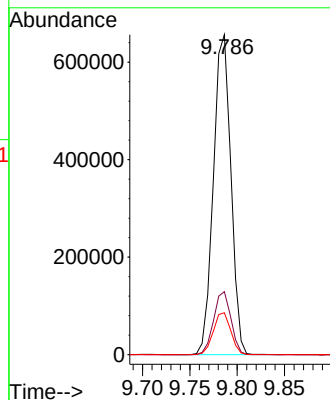
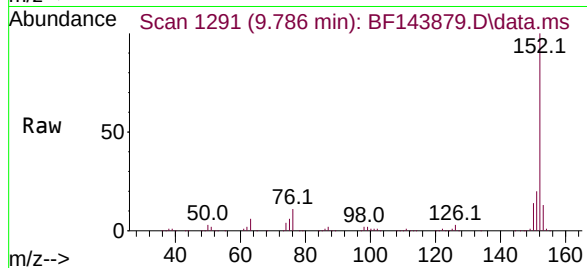
153 13.1 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#50

Dimethylphthalate

Concen: 40.653 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

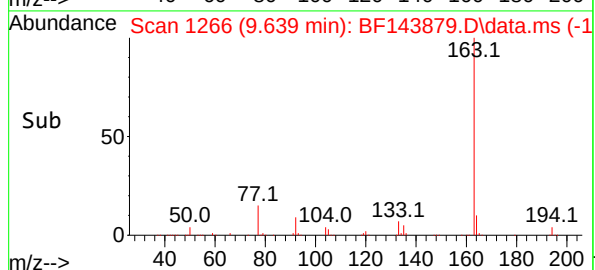
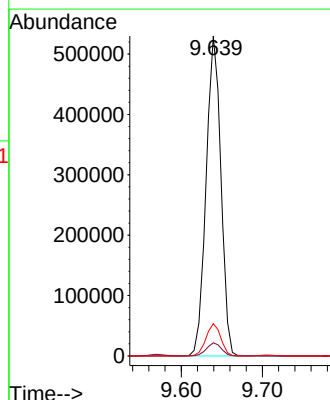
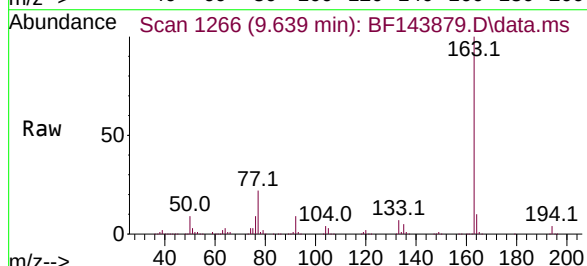
Tgt Ion:163 Resp: 671290

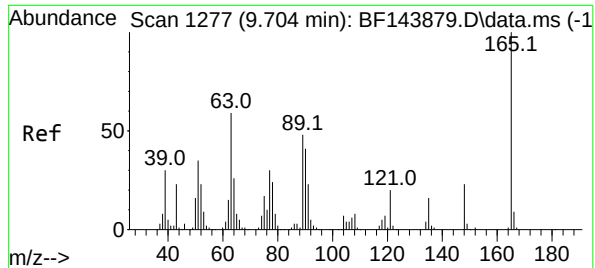
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.1 8.1 12.1





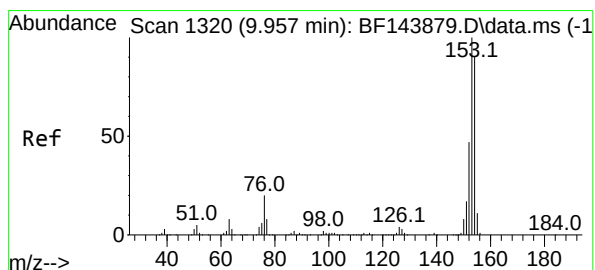
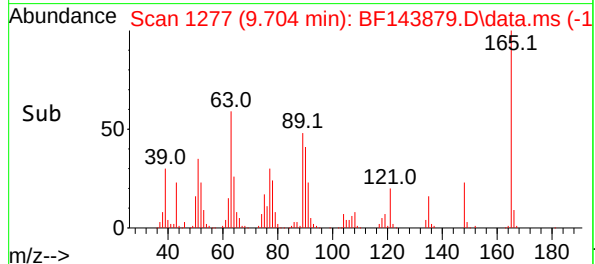
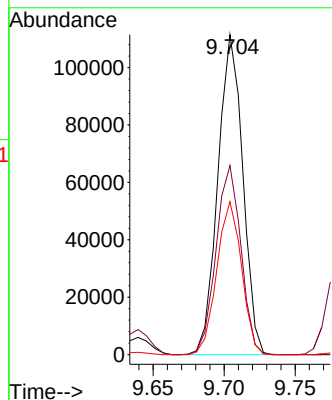
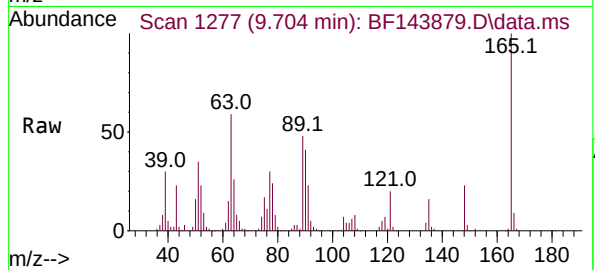
#51
2,6-Dinitrotoluene
Concen: 44.481 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
Client Sample Id :
SSTDICCC040

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

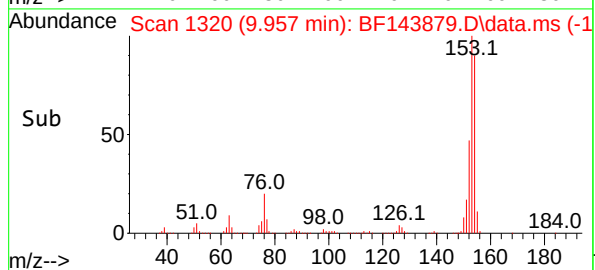
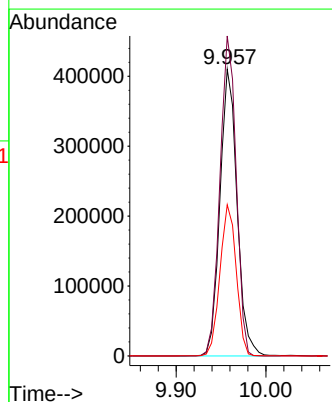
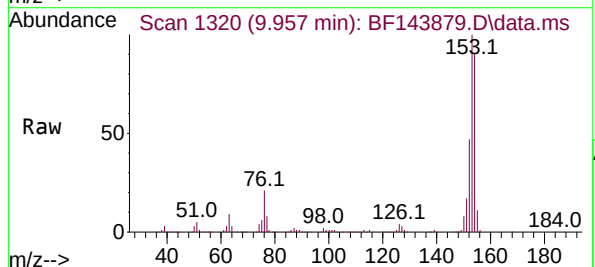
Manual Integrations
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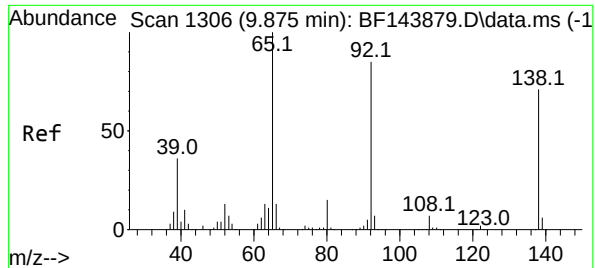
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#52
Acenaphthene
Concen: 41.390 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

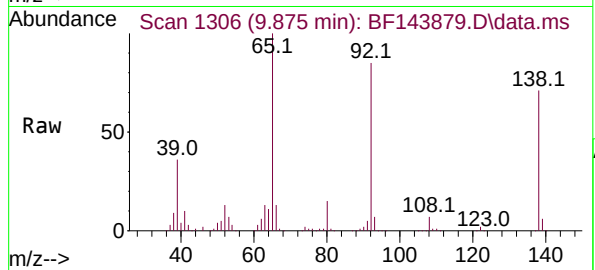
Tgt Ion:154 Resp: 547286
Ion Ratio Lower Upper
154 100
153 111.6 89.3 133.9
152 52.7 42.2 63.2





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

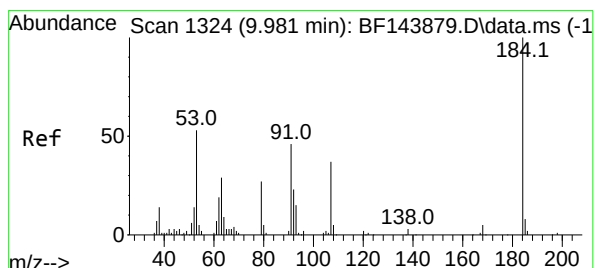
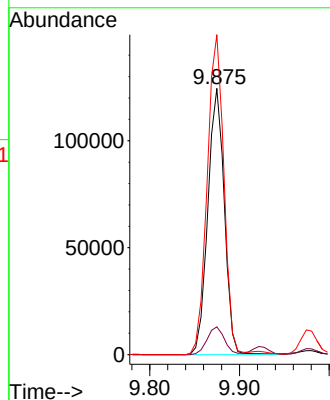
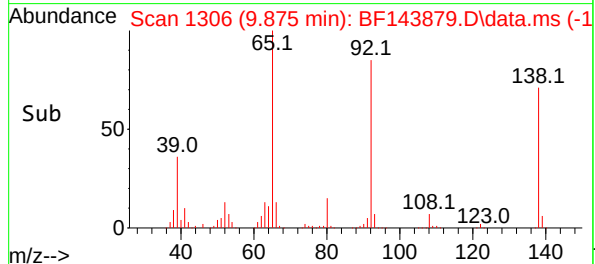
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

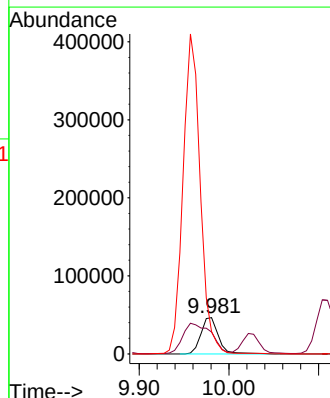
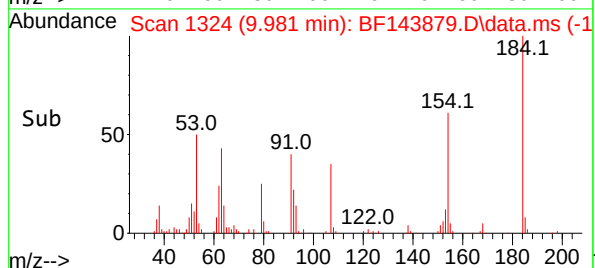
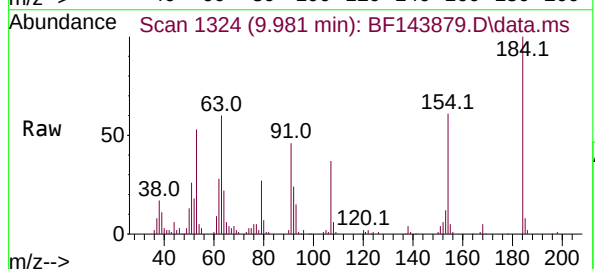
Manual Integrations
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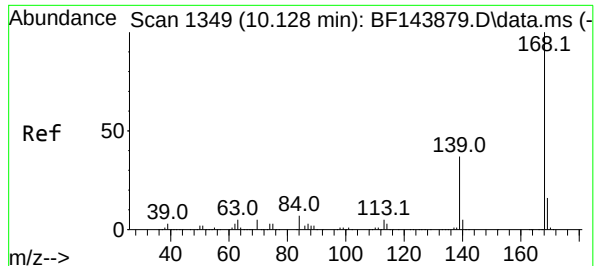
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#54
2,4-Dinitrophenol
Concen: 37.010 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:184 Resp: 62187
Ion Ratio Lower Upper
184 100
63 60.3 48.2 72.4
154 61.5 49.2 73.8





#55

Dibenzenofuran

Concen: 41.625 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:168 Resp: 776950

Ion Ratio Lower Upper

168 100

139 37.3 29.8 44.8

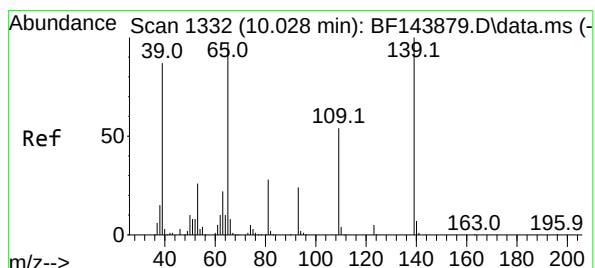
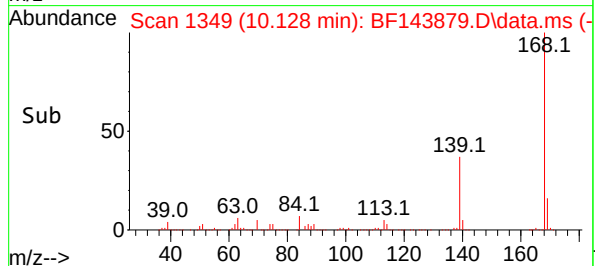
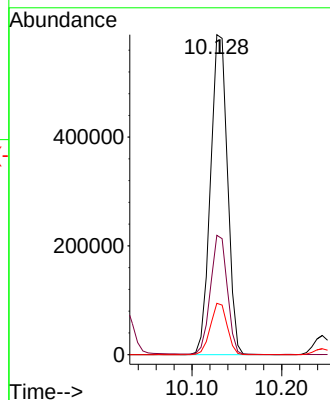
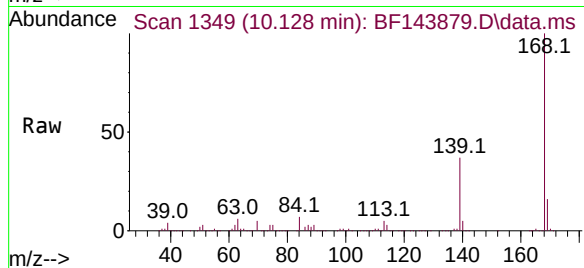
169 16.0 12.8 19.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#56

4-Nitrophenol

Concen: 42.807 ng

RT: 10.028 min Scan# 1332

Delta R.T. -0.011 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

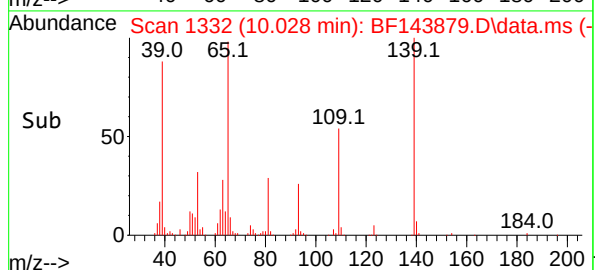
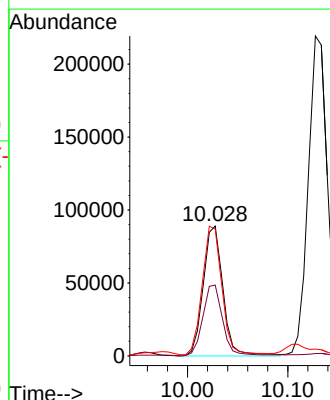
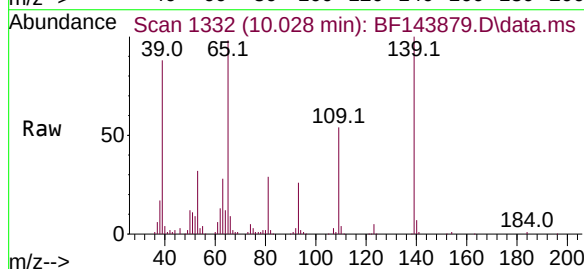
Tgt Ion:139 Resp: 121519

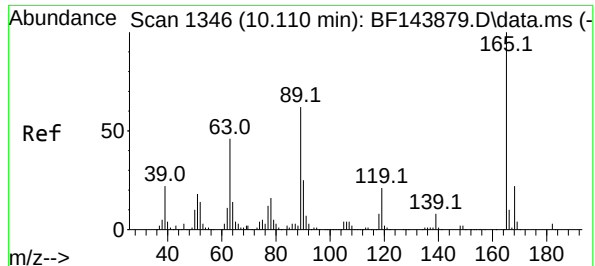
Ion Ratio Lower Upper

139 100

109 54.5 34.5 74.5

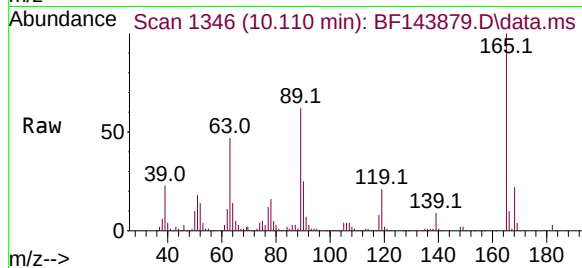
65 97.6 77.6 117.6





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

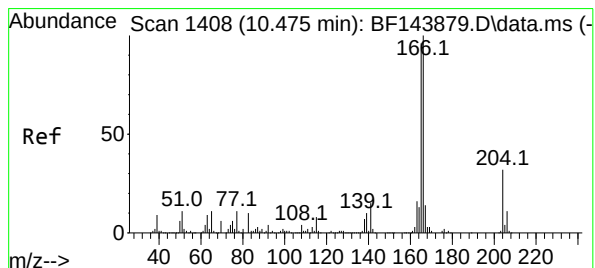
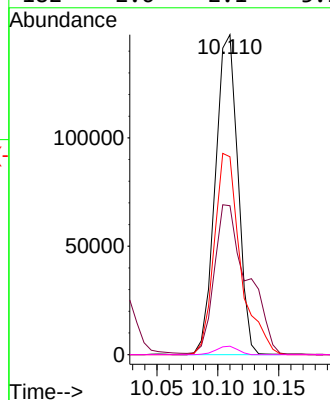
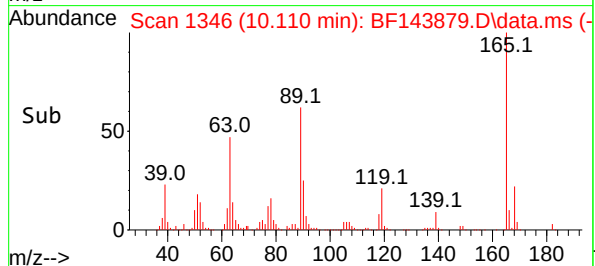
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 189965
Ion Ratio Lower Upper
165 100
63 46.5 37.2 55.8
89 61.8 49.4 74.2
182 2.6 2.1 3.1

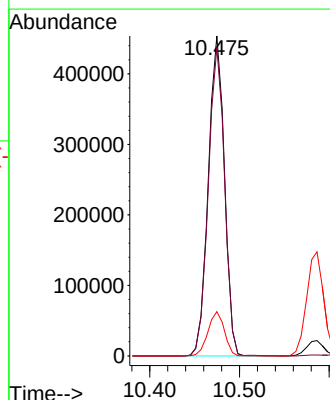
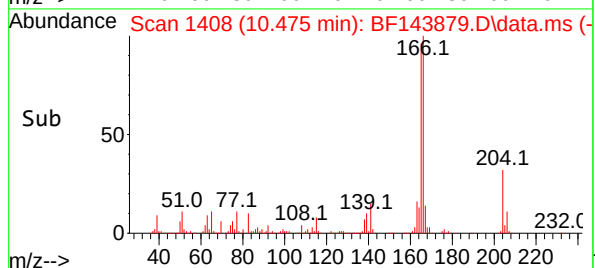
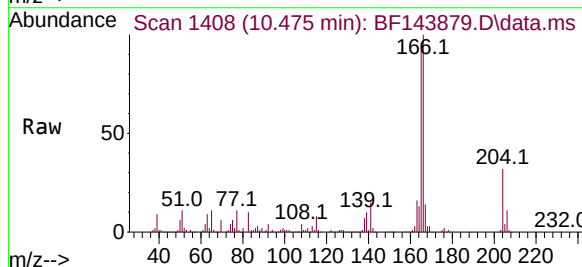
Manual Integrations
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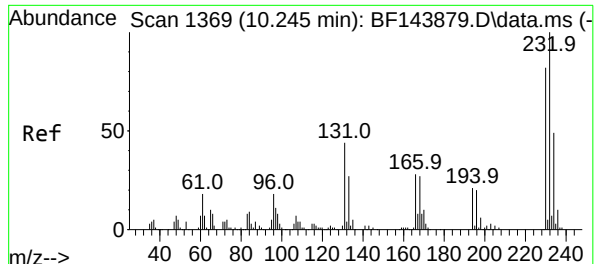
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#58
Fluorene
Concen: 40.506 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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





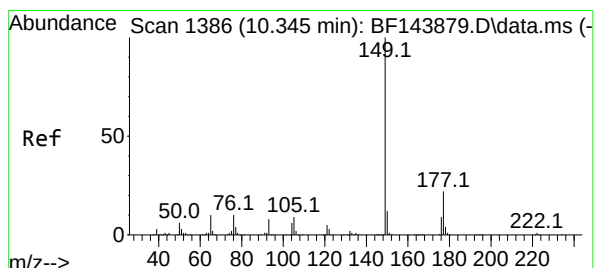
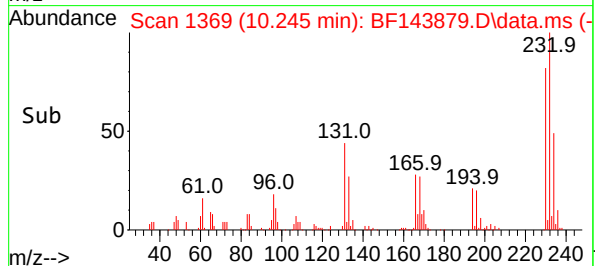
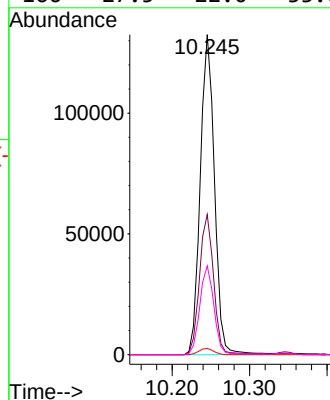
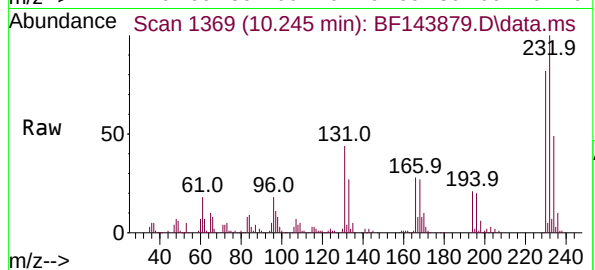
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.006 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
Client Sample Id :
SSTDICCC040

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

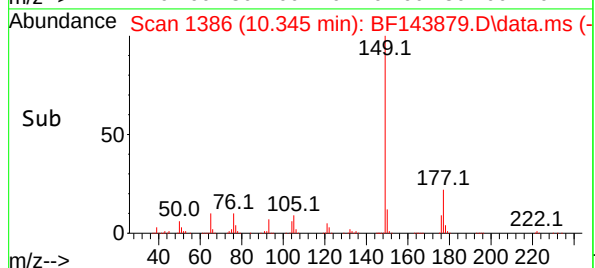
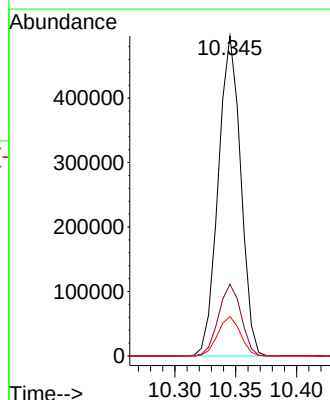
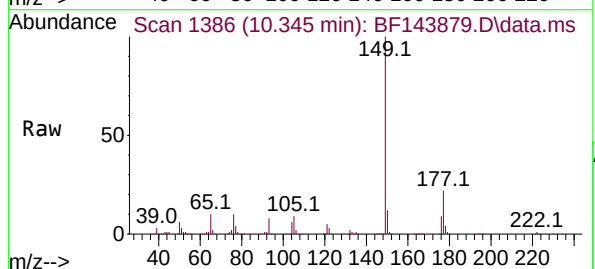
Manual Integrations
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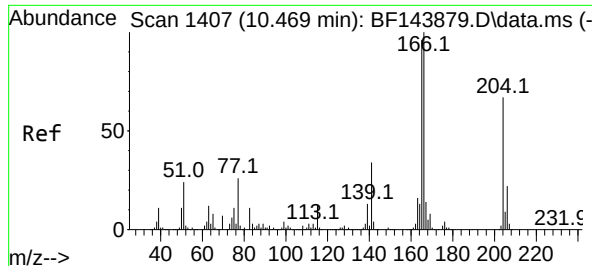
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

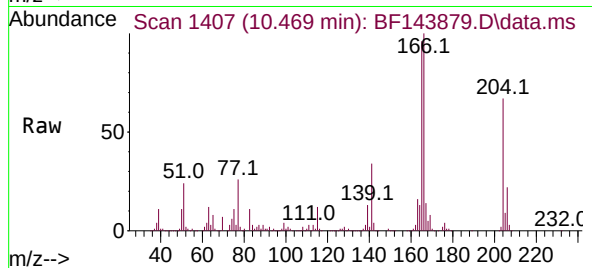
Tgt Ion:149 Resp: 635433
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.3 9.8 14.8





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

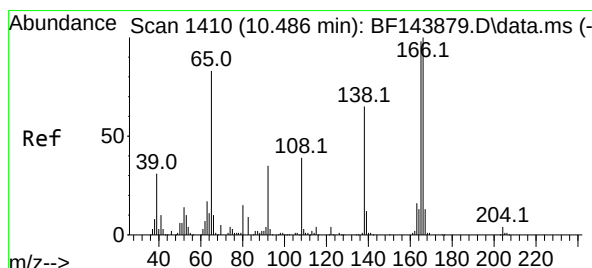
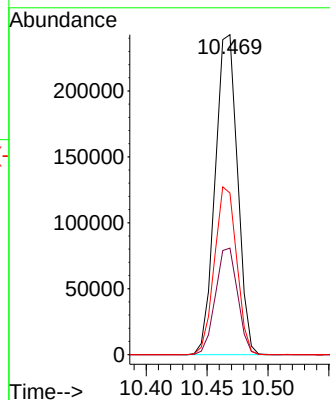
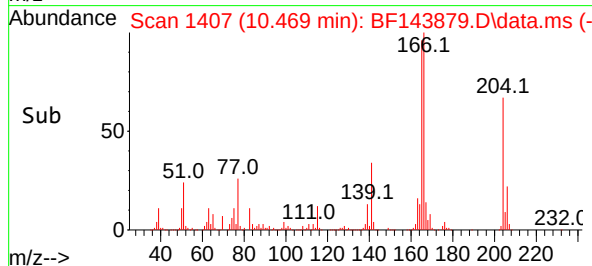
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

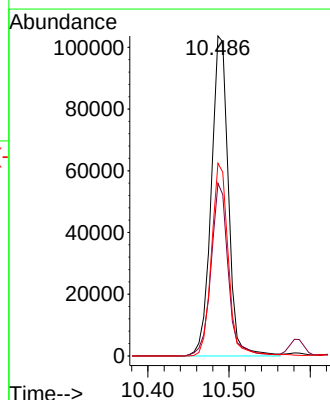
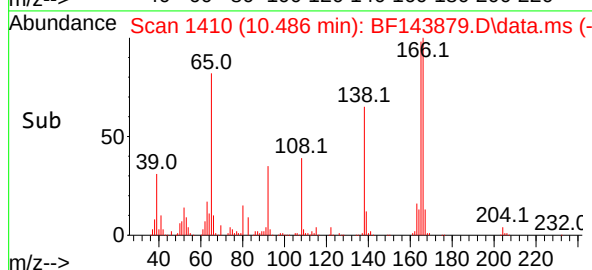
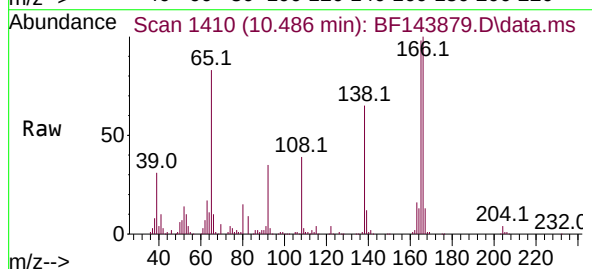
Manual Integrations
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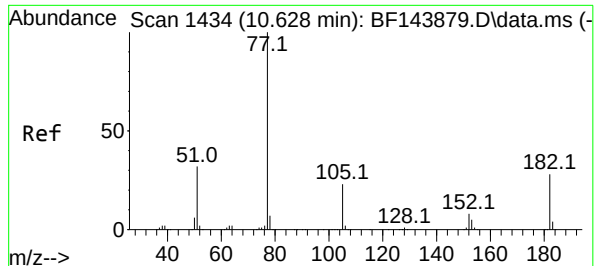
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#62
4-Nitroaniline
Concen: 42.123 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

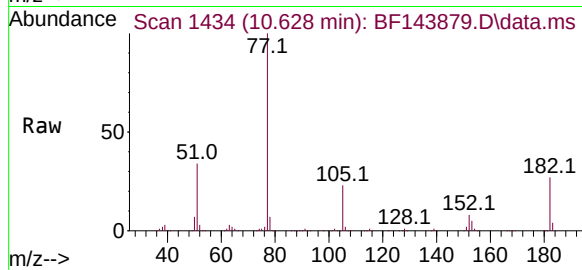
Tgt Ion:138 Resp: 151866
Ion Ratio Lower Upper
138 100
92 53.9 33.9 73.9
108 60.2 40.2 80.2





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

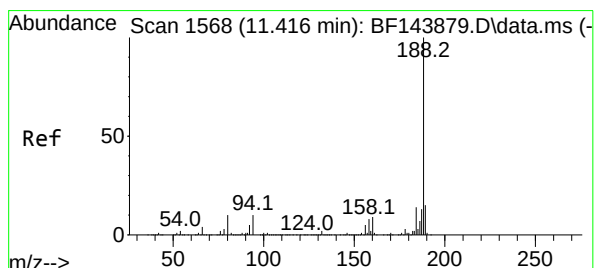
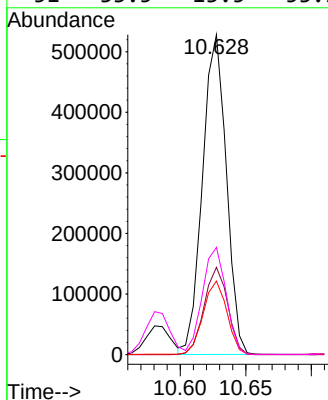
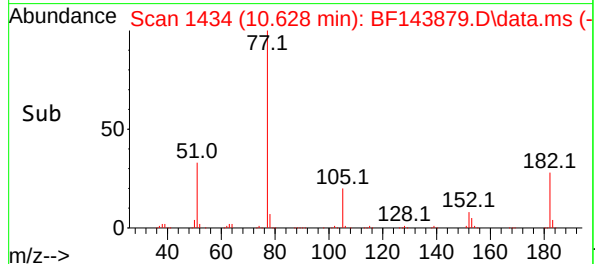
Instrument :
BNA_F
Client Sample Id :
SSTDICCC040



Tgt Ion: 77 Resp: 665698
Ion Ratio Lower Upper
77 100
182 27.3 7.3 47.3
105 23.0 3.0 43.0
51 33.5 13.5 53.5

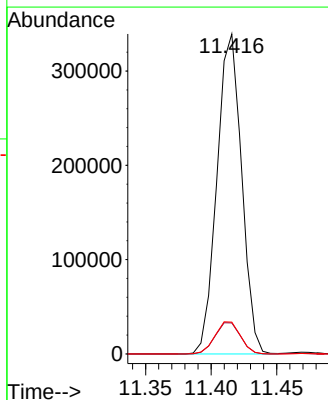
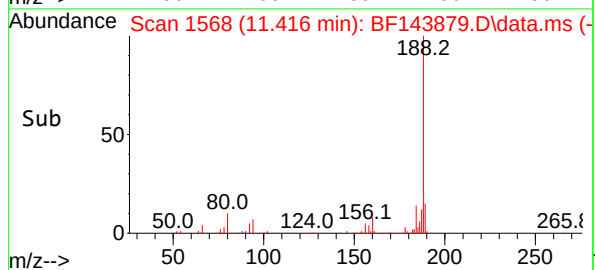
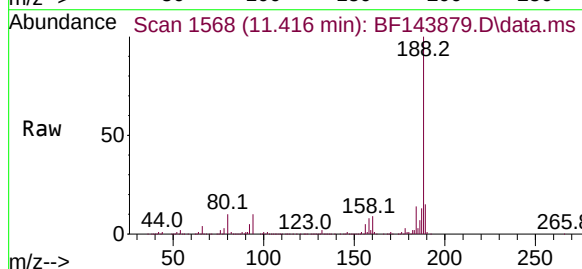
Manual Integrations
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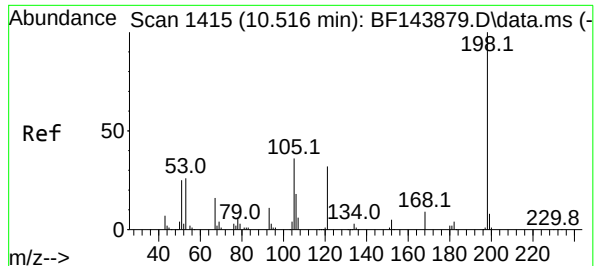
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:188 Resp: 444949
Ion Ratio Lower Upper
188 100
94 9.7 7.8 11.6
80 9.9 7.9 11.9





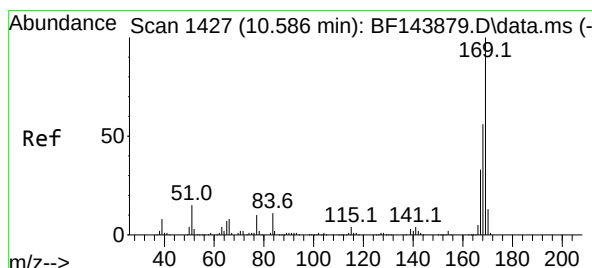
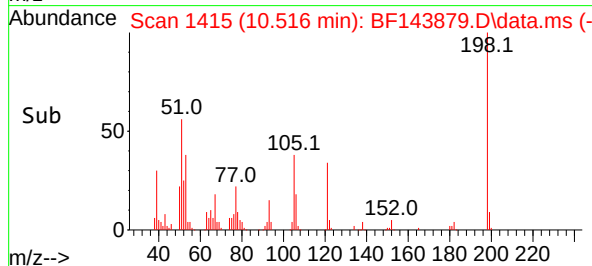
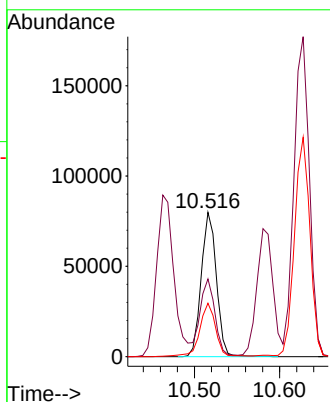
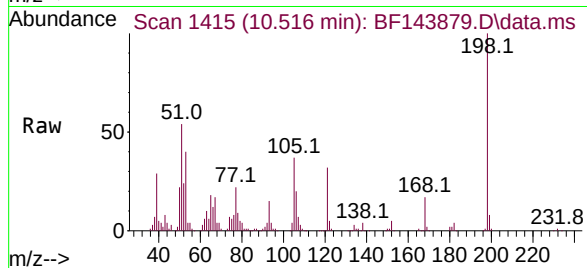
#65
4,6-Dinitro-2-methylphenol
Concen: 44.075 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 98551
Ion Ratio Lower Upper
198 100
51 53.8 33.8 73.8
105 37.0 17.0 57.0

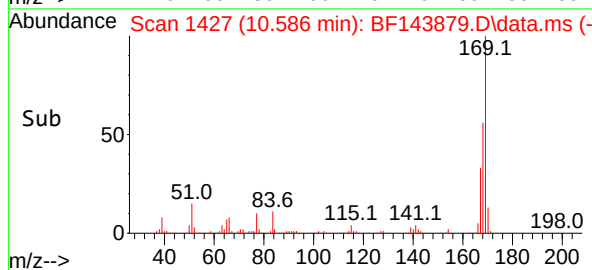
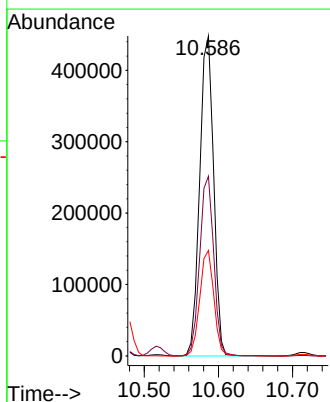
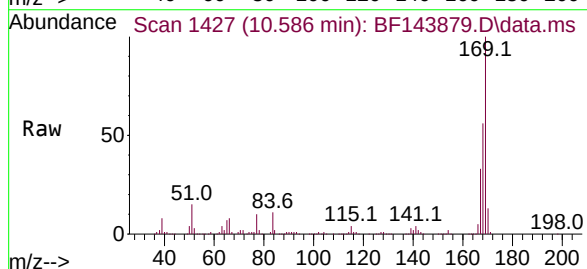
Manual Integrations
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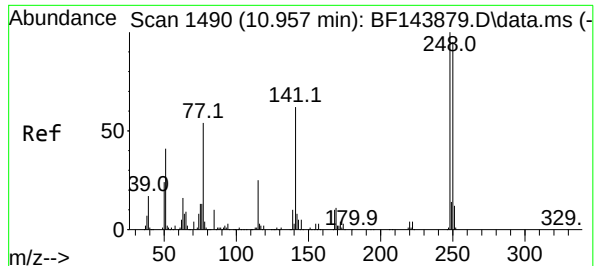
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#66
n-Nitrosodiphenylamine
Concen: 41.773 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

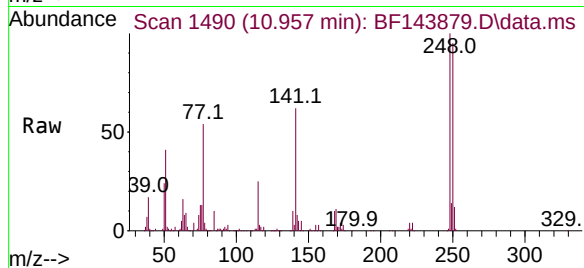
Tgt Ion:169 Resp: 583617
Ion Ratio Lower Upper
169 100
168 56.1 44.9 67.3
167 32.9 26.3 39.5





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

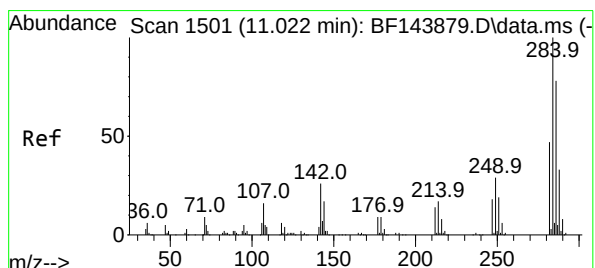
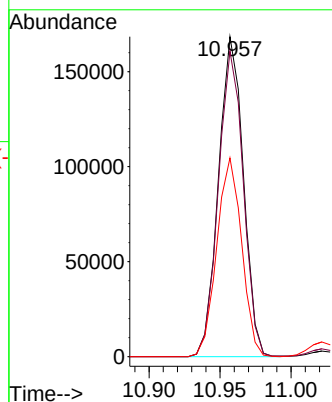
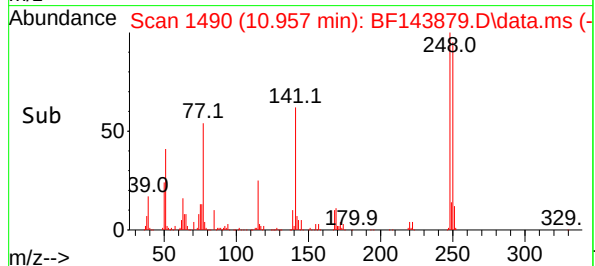
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

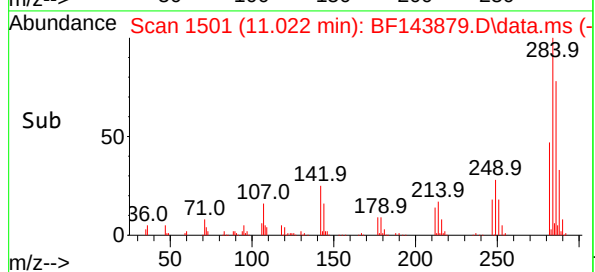
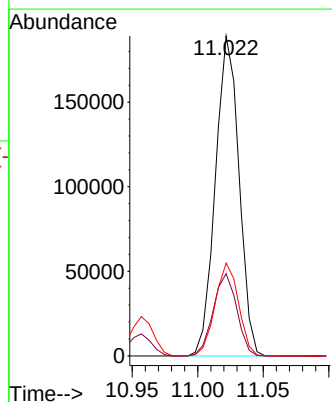
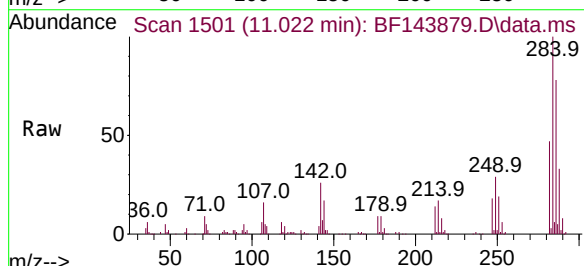
Manual Integrations
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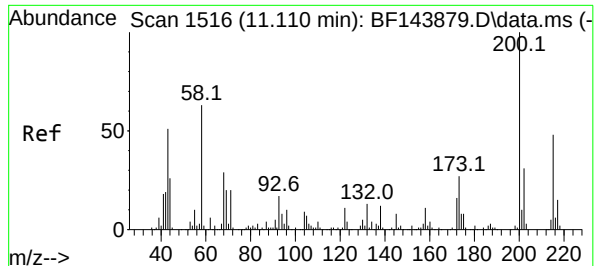
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#68
Hexachlorobenzene
Concen: 41.695 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:284 Resp: 237363
Ion Ratio Lower Upper
284 100
142 25.7 20.6 30.8
249 29.0 23.2 34.8





#69

Atrazine

Concen: 40.905 ng

RT: 11.110 min Scan# 1516

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:200 Resp: 173212

Ion Ratio Lower Upper

200 100

173 27.0 7.0 47.0

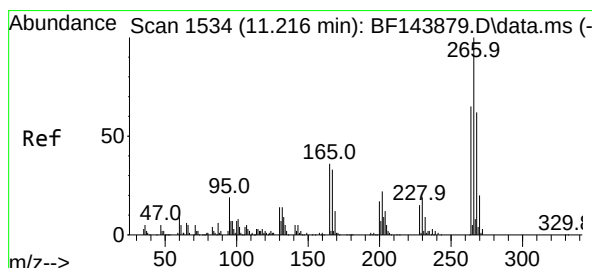
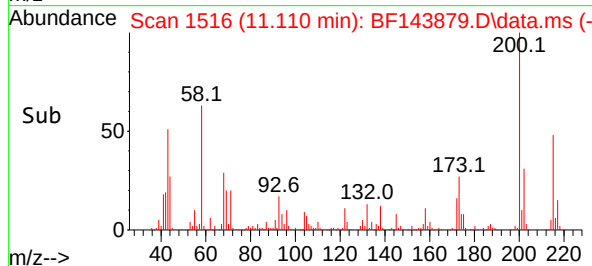
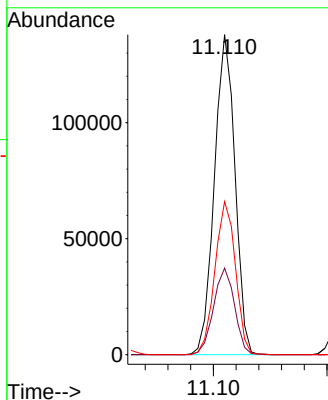
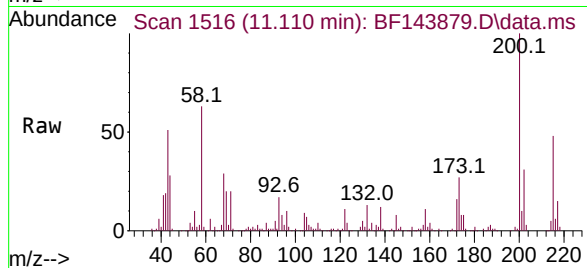
215 47.8 27.8 67.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#70

Pentachlorophenol

Concen: 42.862 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

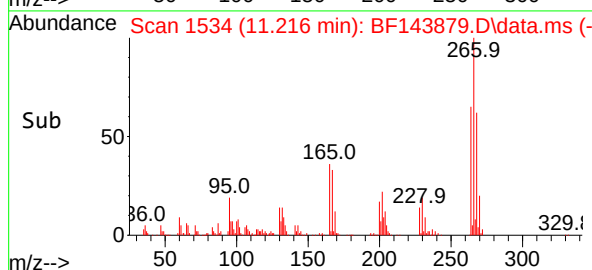
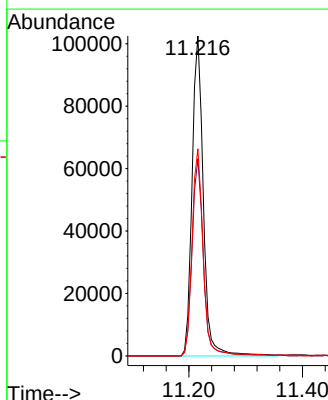
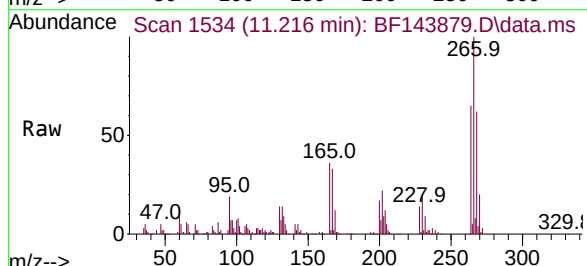
Tgt Ion:266 Resp: 140140

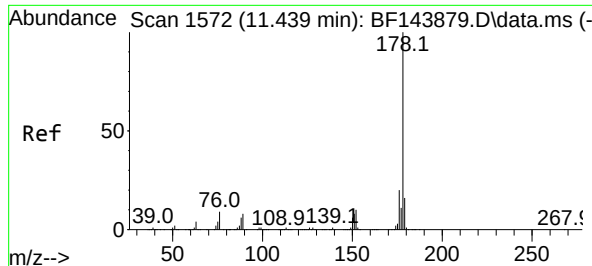
Ion Ratio Lower Upper

266 100

268 61.7 49.4 74.0

264 64.7 51.8 77.6





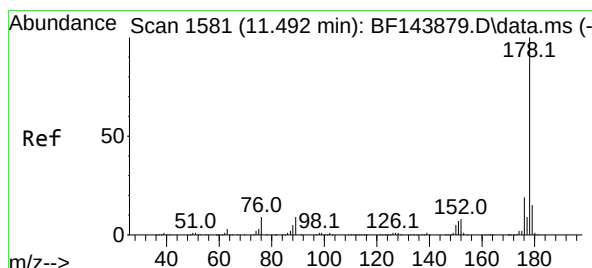
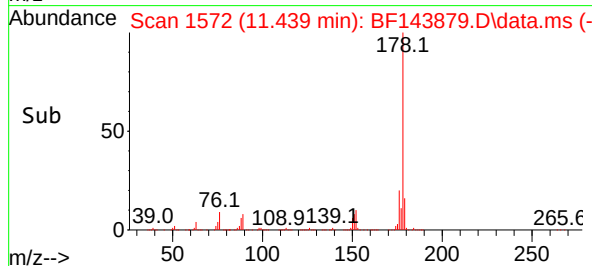
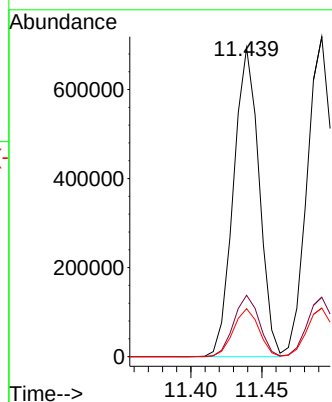
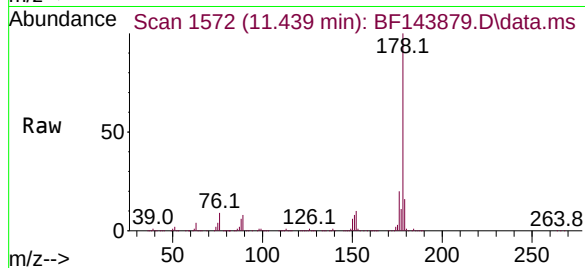
#71
Phenanthrene
Concen: 40.266 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

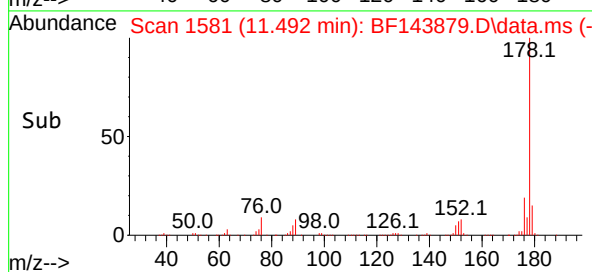
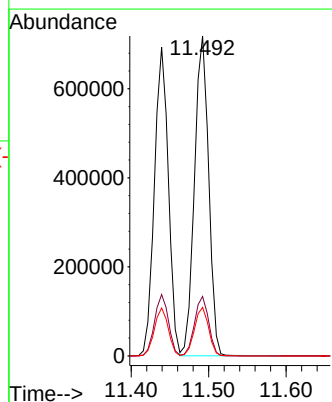
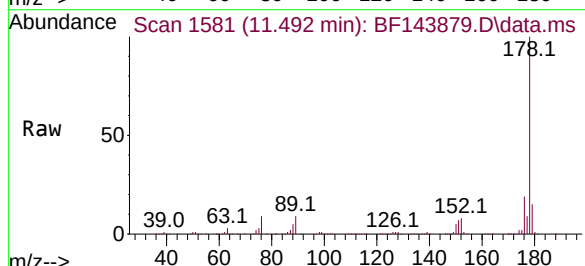
Manual Integrations
APPROVED

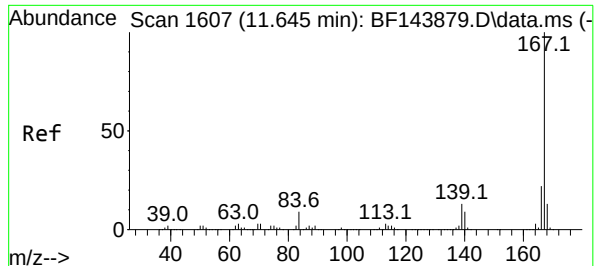
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#72
Anthracene
Concen: 41.850 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

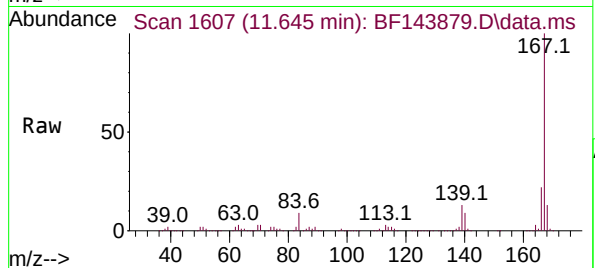
Tgt Ion:178 Resp: 912011
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.2 12.2 18.2





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

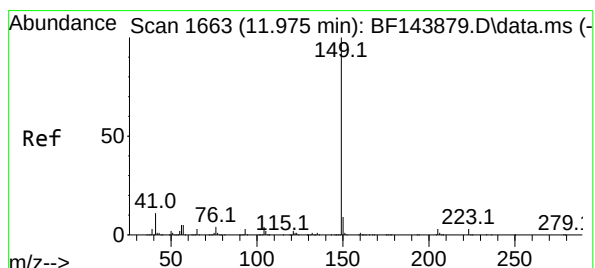
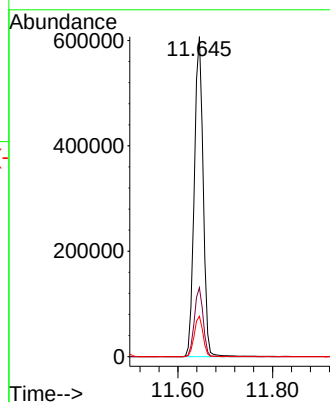
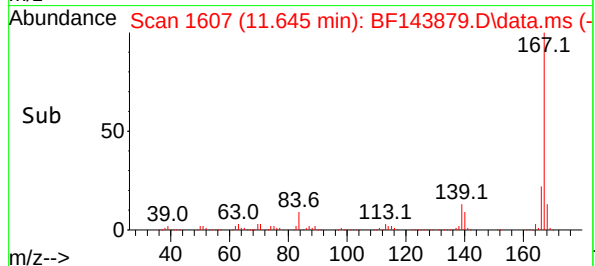
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

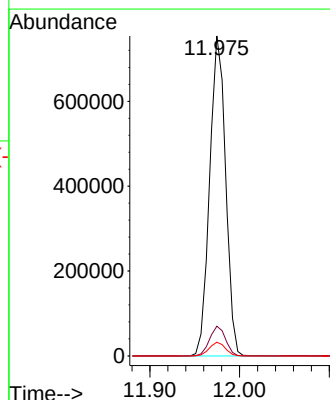
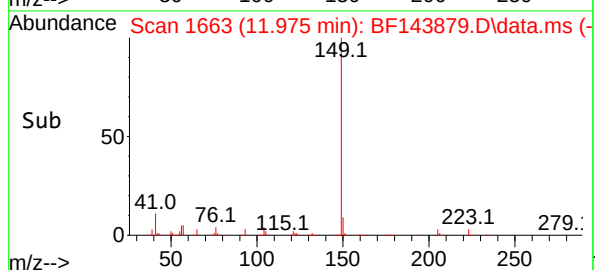
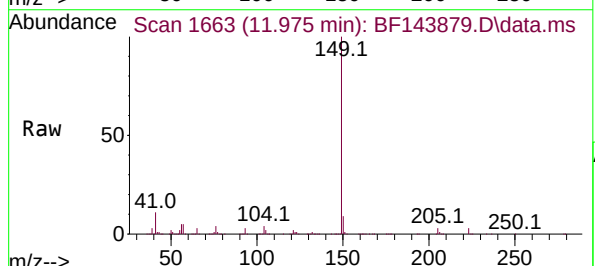
Manual Integrations
APPROVED

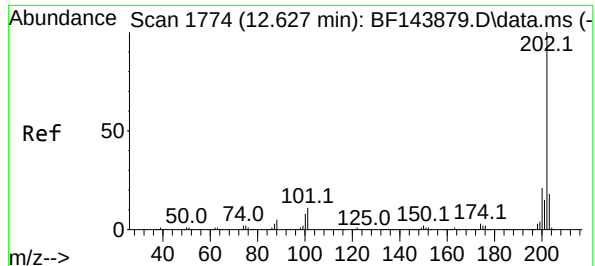
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#74
Di-n-butylphthalate
Concen: 41.884 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

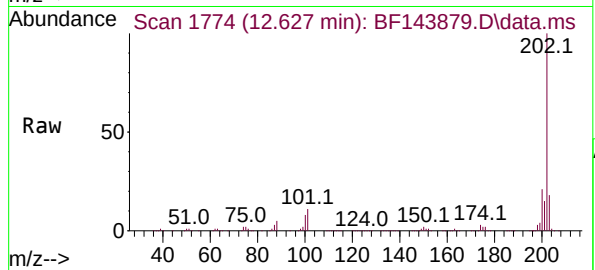
Tgt Ion:149 Resp: 936899
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.3 3.4 5.2





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

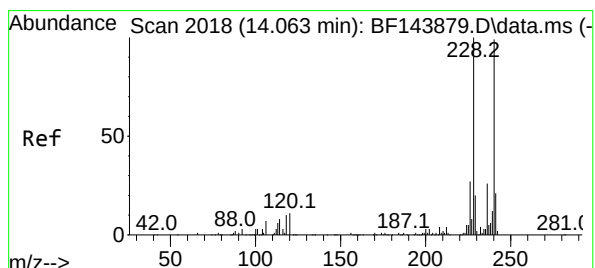
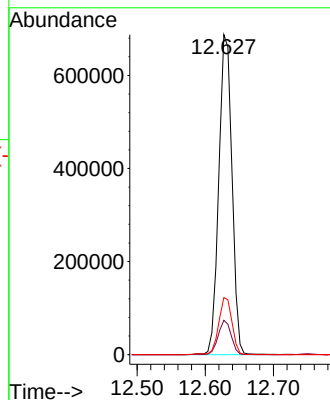
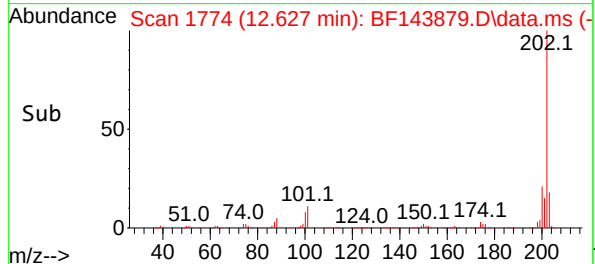
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



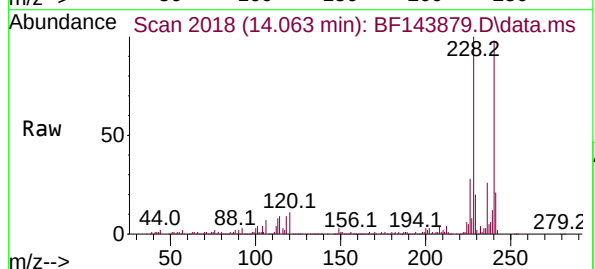
Tgt Ion:202 Resp: 918503
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.7
203 17.8 0.0 37.8

Manual Integrations
APPROVED

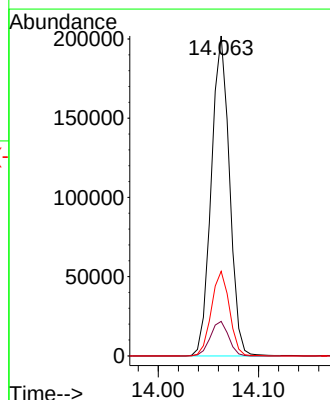
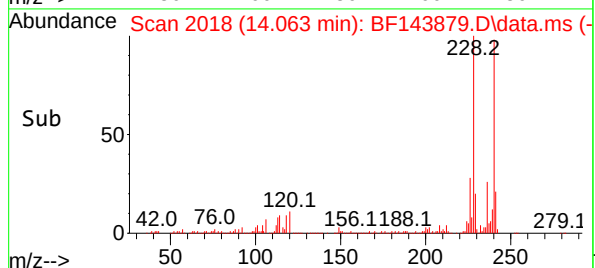
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

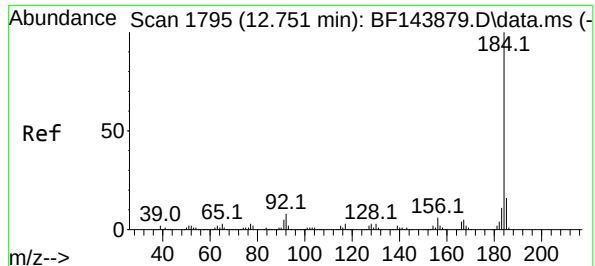


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54



Tgt Ion:240 Resp: 254576
Ion Ratio Lower Upper
240 100
120 10.8 8.6 13.0
236 26.4 21.1 31.7





#77

Benzidine

Concen: 43.833 ng

RT: 12.751 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:184 Resp: 387464

Ion Ratio Lower Upper

184 100

185 15.7 12.6 18.8

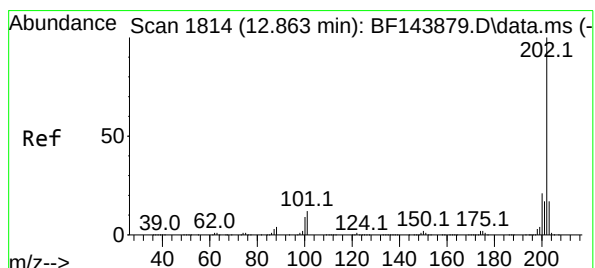
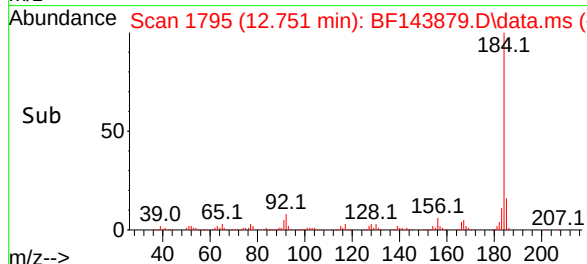
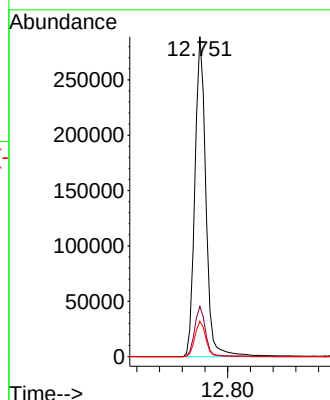
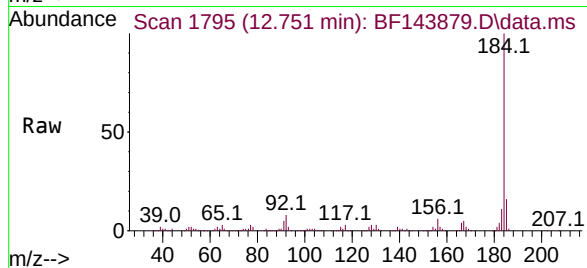
183 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#78

Pyrene

Concen: 44.692 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

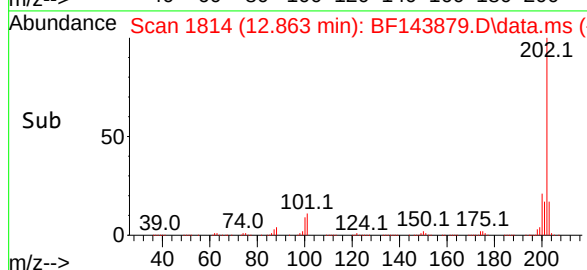
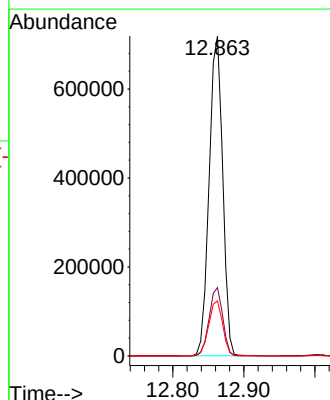
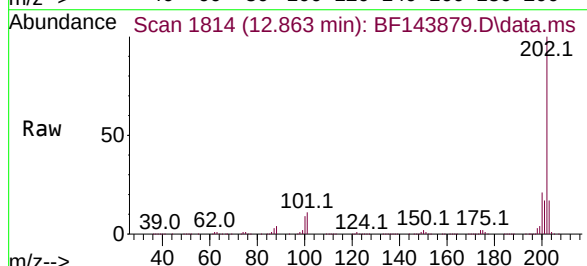
Tgt Ion:202 Resp: 948521

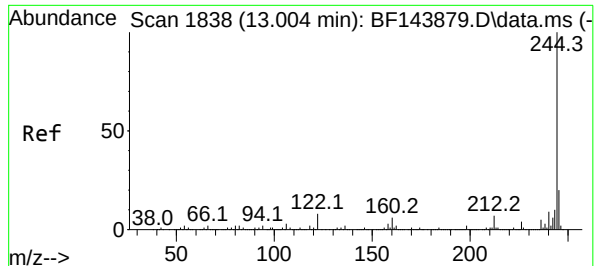
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

203 17.2 13.8 20.6





#79

Terphenyl-d14

Concen: 87.451 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:244 Resp: 1302632

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

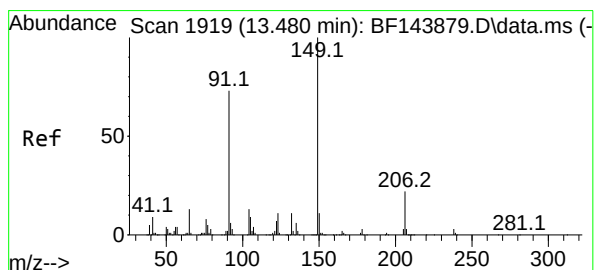
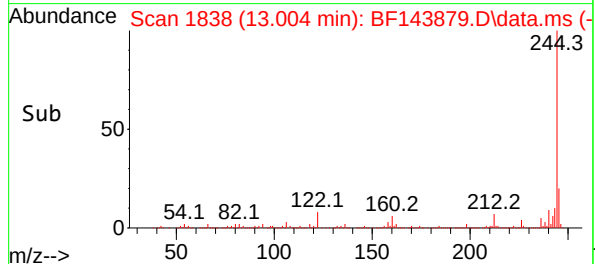
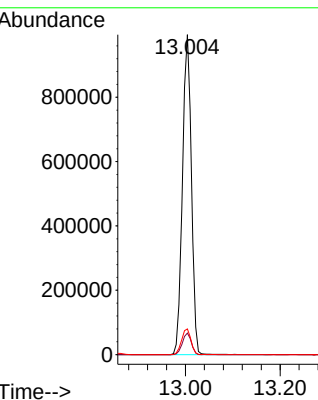
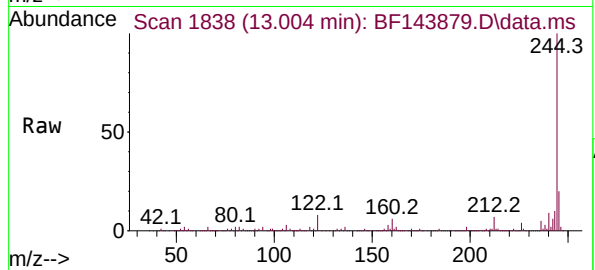
122 8.0 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#80

Butylbenzylphthalate

Concen: 45.804 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

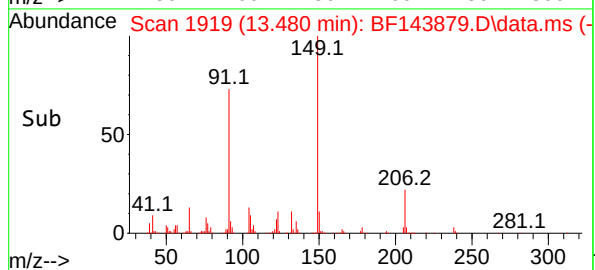
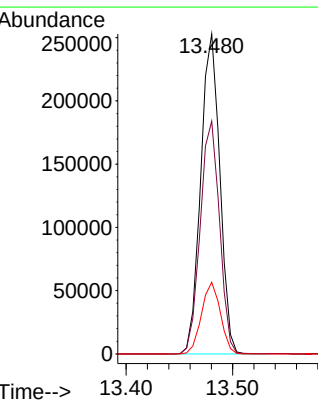
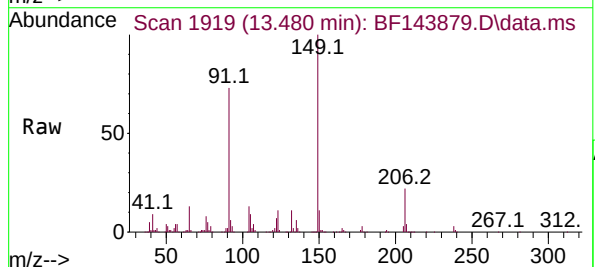
Tgt Ion:149 Resp: 315716

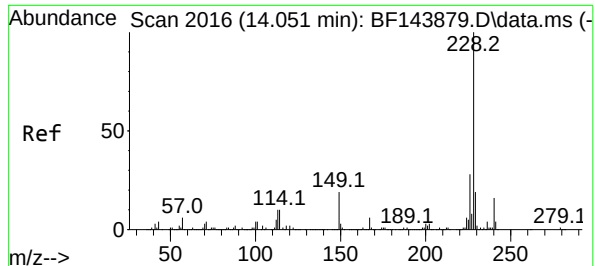
Ion Ratio Lower Upper

149 100

91 72.7 58.2 87.2

206 22.4 17.9 26.9





#81

Benzo(a)anthracene

Concen: 42.715 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:228 Resp: 711609

Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.2

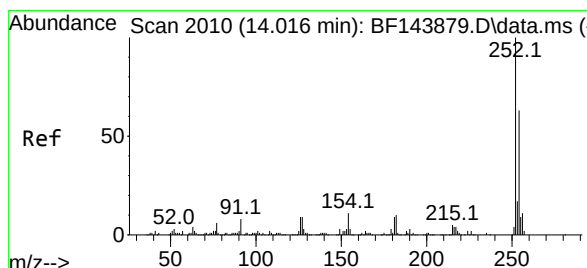
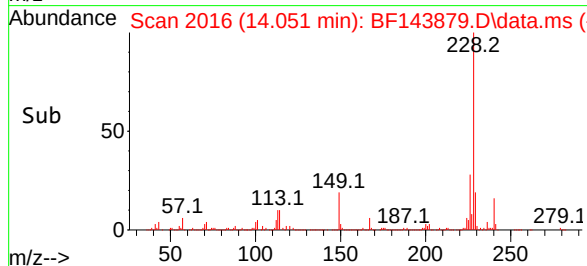
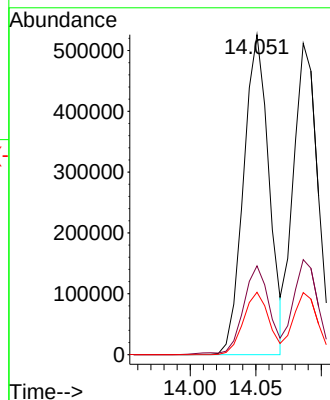
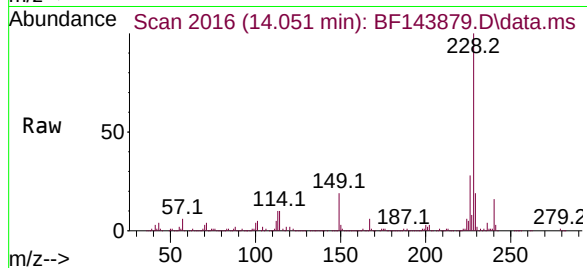
229 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#82

3,3'-Dichlorobenzidine

Concen: 44.135 ng

RT: 14.016 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

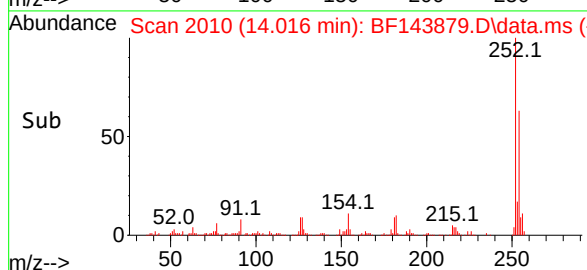
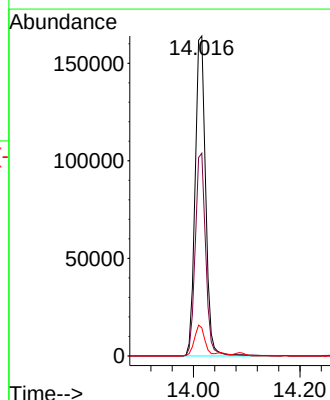
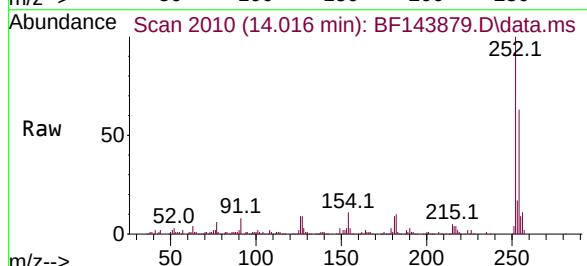
Tgt Ion:252 Resp: 224071

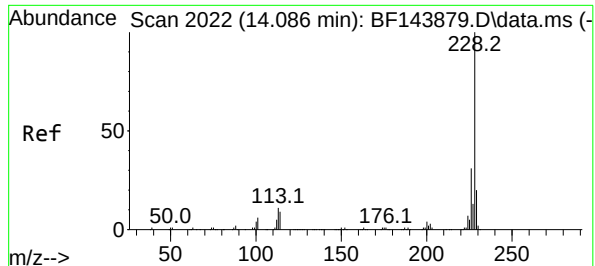
Ion Ratio Lower Upper

252 100

254 63.3 50.6 76.0

126 8.8 7.0 10.6





#83

Chrysene

Concen: 42.717 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:228 Resp: 658639

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

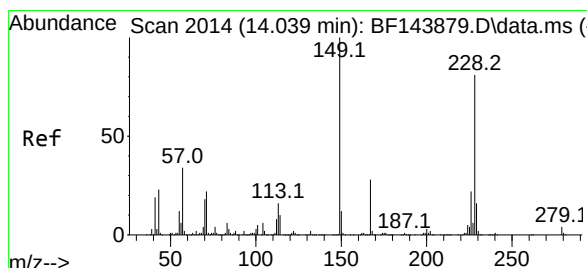
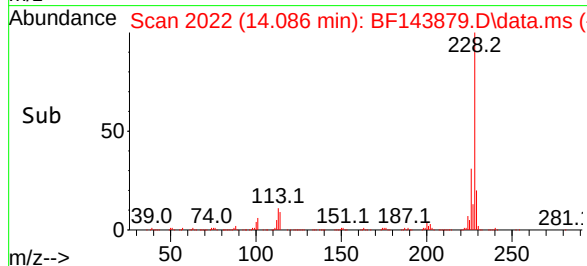
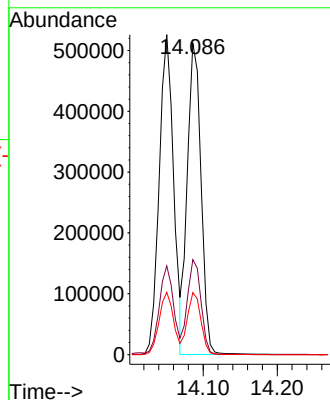
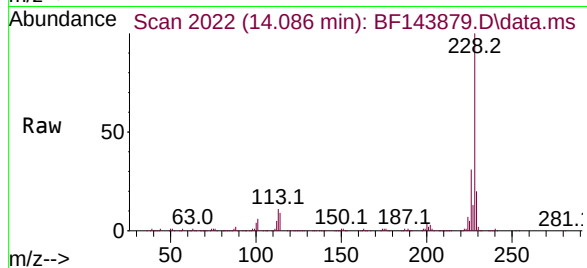
229 19.9 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.286 ng

RT: 14.039 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

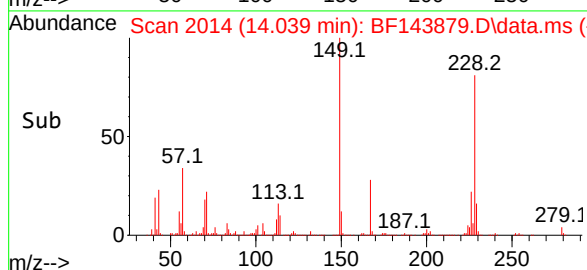
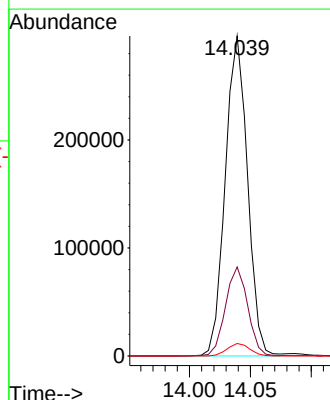
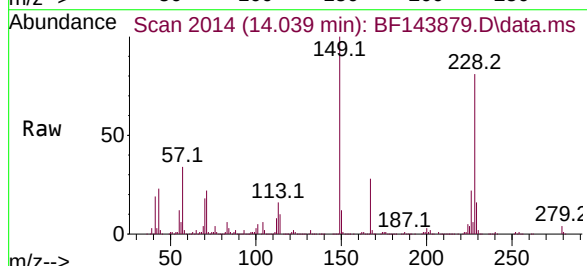
Tgt Ion:149 Resp: 376273

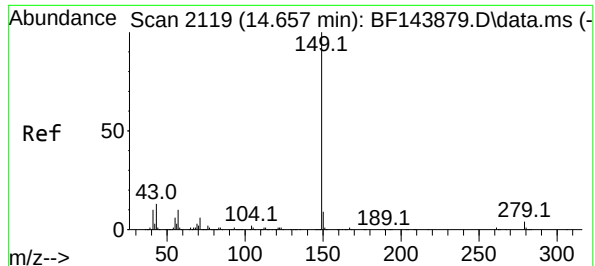
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

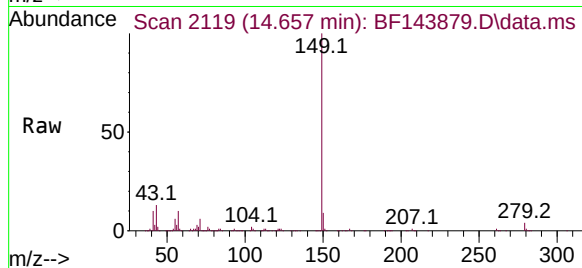
279 3.9 3.1 4.7





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

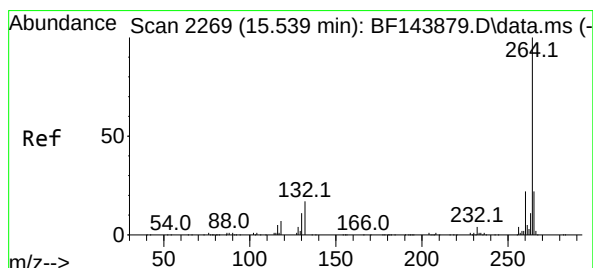
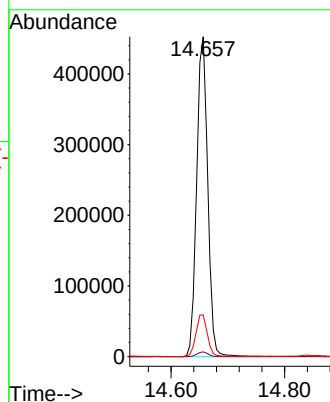
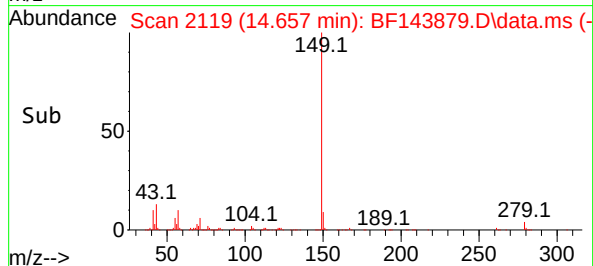
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

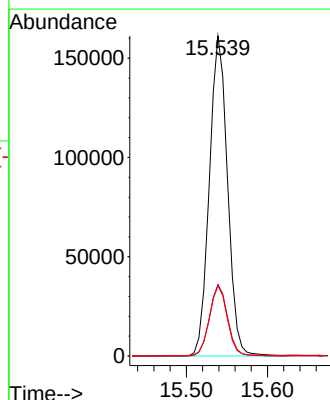
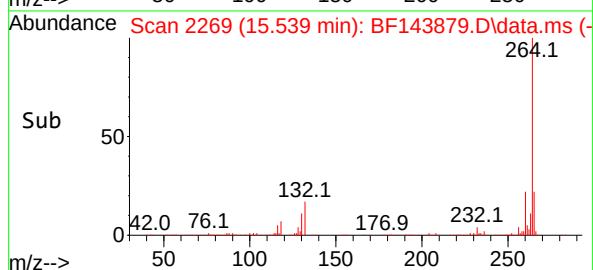
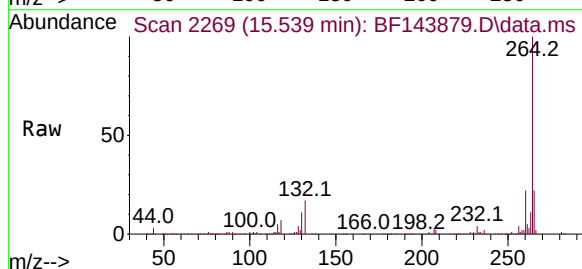
Manual Integrations
APPROVED

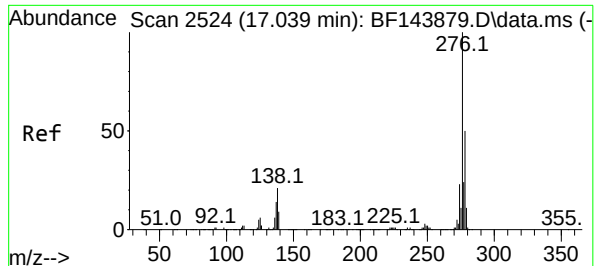
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:264 Resp: 250969
Ion Ratio Lower Upper
264 100
260 22.3 17.8 26.8
265 21.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.470 ng

RT: 17.039 min Scan# 2195

Delta R.T. -0.017 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:276 Resp: 699234

Ion Ratio Lower Upper

276 100

138 22.7 18.2 27.2

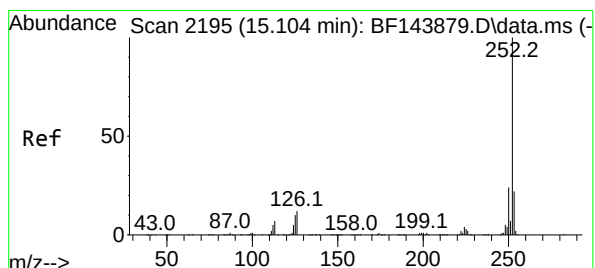
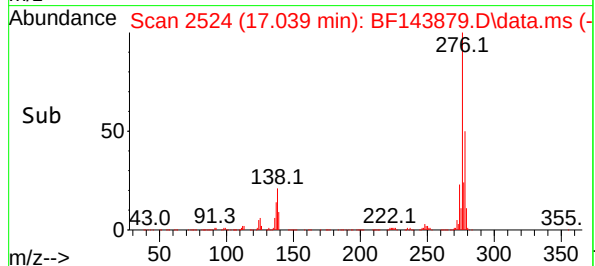
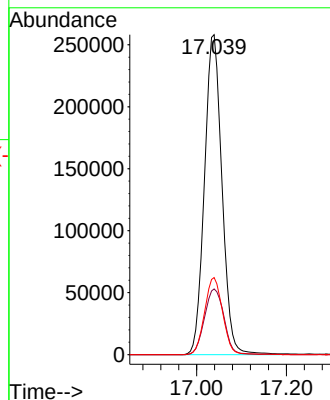
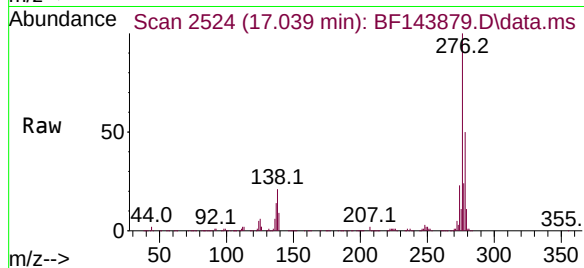
277 24.7 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#88

Benzo(b)fluoranthene

Concen: 44.178 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

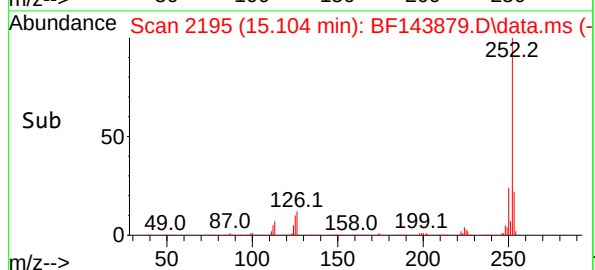
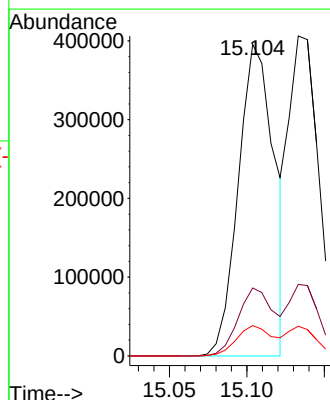
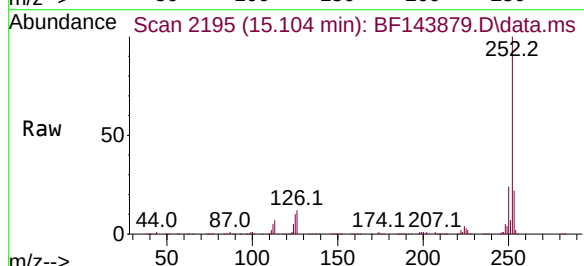
Tgt Ion:252 Resp: 636888

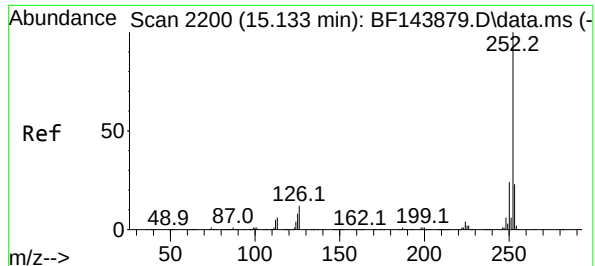
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 9.7 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 41.688 ng

RT: 15.133 min Scan# 2200

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 55611

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

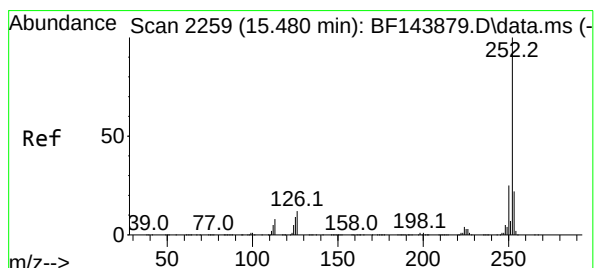
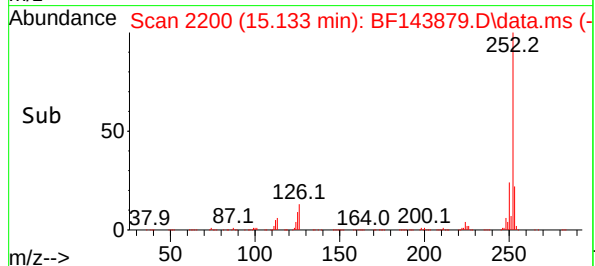
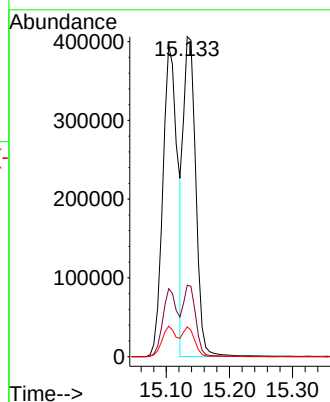
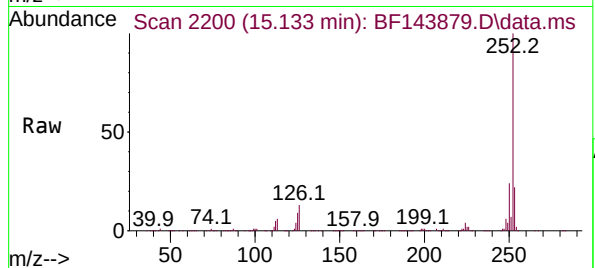
125 9.3 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#90

Benzo(a)pyrene

Concen: 44.246 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

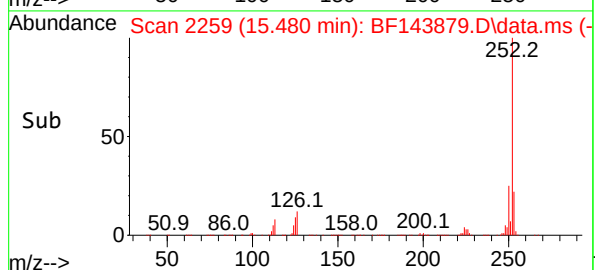
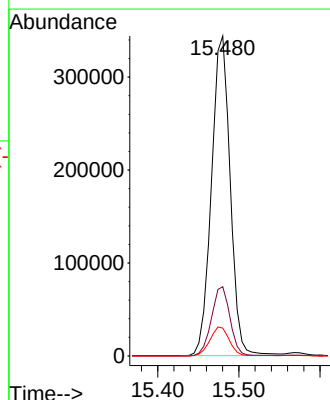
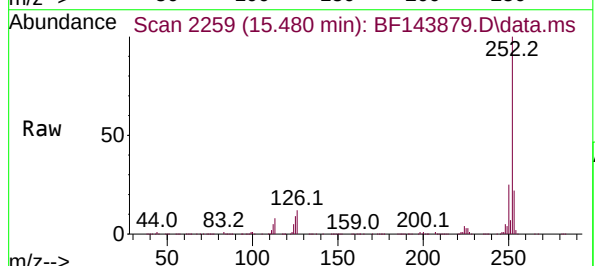
Tgt Ion:252 Resp: 553098

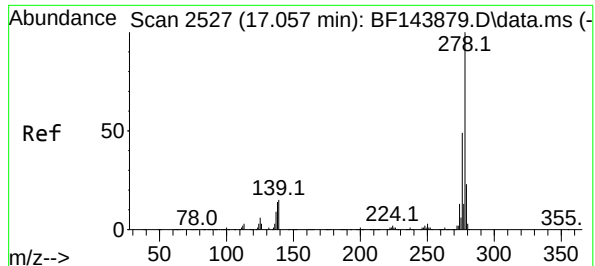
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

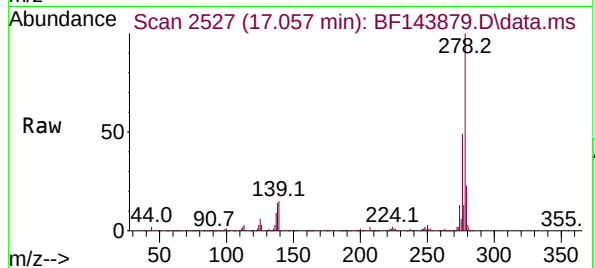
125 8.7 7.0 10.4





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

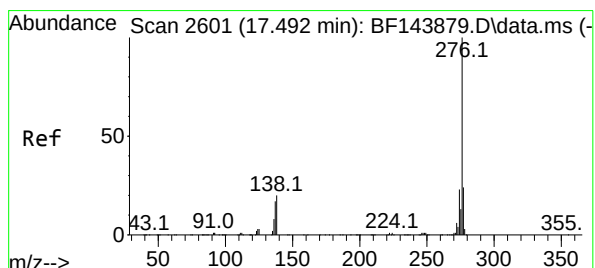
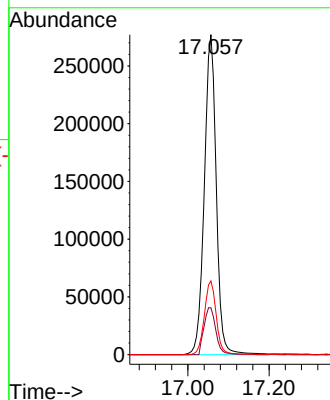
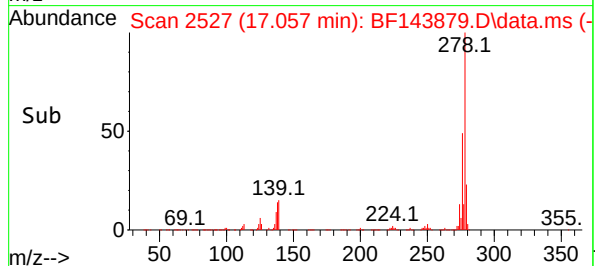
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

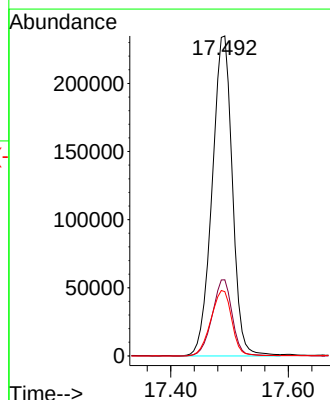
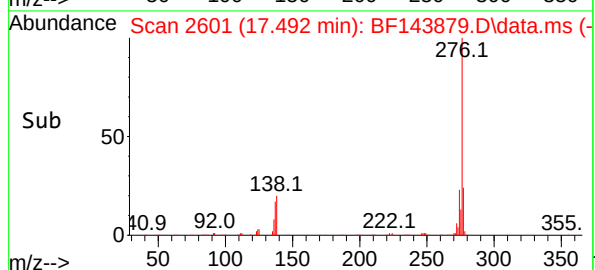
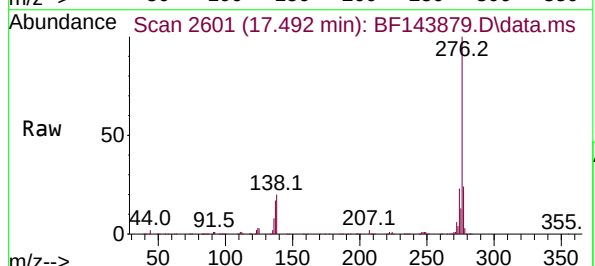
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 45.340 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.023 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:276 Resp: 560761
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.6
138 20.1 16.1 24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
 Data File : BF143880.D
 Acq On : 06 Oct 2025 13:23
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	182011	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	710843	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	393762	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	674807	20.000	ng	0.00
76) Chrysene-d12	14.068	240	390779	20.000	ng	0.00
86) Perylene-d12	15.545	264	426414	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1067519	93.138	ng	0.00
7) Phenol-d6	6.510	99	1277645	93.519	ng	0.00
23) Nitrobenzene-d5	7.451	82	1148649	98.174	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	390657	99.608	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1936883	78.050	ng	0.00
79) Terphenyl-d14	13.010	244	2083463	91.121	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	247738	46.709	ng	99
3) Pyridine	3.416	79	759117	49.164	ng	98
4) n-Nitrosodimethylamine	3.381	42	417134	51.355	ng	98
6) Aniline	6.551	93	994174	48.562	ng	99
8) 2-Chlorophenol	6.669	128	546266	48.757	ng	98
9) Benzaldehyde	6.439	77	545259	51.738	ng	99
10) Phenol	6.528	94	799210	48.932	ng	93
11) bis(2-Chloroethyl)ether	6.622	93	595127	47.169	ng	97
12) 1,3-Dichlorobenzene	6.828	146	607764	45.318	ng	98
13) 1,4-Dichlorobenzene	6.904	146	603407	45.612	ng	99
14) 1,2-Dichlorobenzene	7.057	146	583790	46.072	ng	99
15) Benzyl Alcohol	7.028	79	515929	50.402	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1368524	47.652	ng	99
17) 2-Methylphenol	7.134	107	448120	48.397	ng	99
18) Hexachloroethane	7.398	117	207432	47.017	ng	97
19) n-Nitroso-di-n-propyla...	7.310	70	441373	47.198	ng	98
20) 3+4-Methylphenols	7.292	107	485879	45.276	ng	# 83
22) Acetophenone	7.298	105	665276	44.262	ng	# 94
24) Nitrobenzene	7.475	77	625692	48.155	ng	98
25) Isophorone	7.716	82	1181135	47.877	ng	98
26) 2-Nitrophenol	7.786	139	296399	53.208	ng	99
27) 2,4-Dimethylphenol	7.816	122	480868	47.987	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	706471	45.333	ng	99
29) 2,4-Dichlorophenol	8.022	162	497289	47.642	ng	97
30) 1,2,4-Trichlorobenzene	8.110	180	473064	46.083	ng	98
31) Naphthalene	8.192	128	1451547	44.890	ng	100
32) Benzoic acid	7.945	122	384635	55.462	ng	98
33) 4-Chloroaniline	8.239	127	567726	46.813	ng	99
34) Hexachlorobutadiene	8.304	225	325186	45.586	ng	99
35) Caprolactam	8.628	113	167817	50.565	ng	99
36) 4-Chloro-3-methylphenol	8.716	107	477376	47.612	ng	98
37) 2-Methylnaphthalene	8.881	142	935960	43.453	ng	99
38) 1-Methylnaphthalene	8.981	142	918550	43.965	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	491771	45.187	ng	99
41) Hexachlorocyclopentadiene	9.033	237	242390	53.686	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	376991	47.410	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
 Data File : BF143880.D
 Acq On : 06 Oct 2025 13:23
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

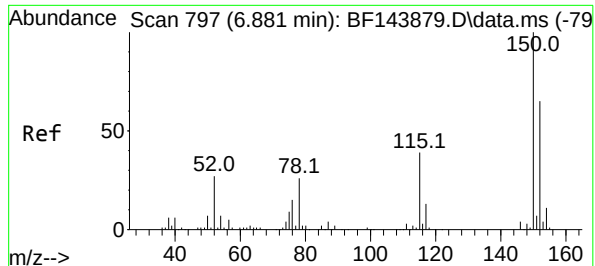
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	395213	47.031	ng	99
46) 1,1'-Biphenyl	9.351	154	1116775	42.837	ng	99
47) 2-Chloronaphthalene	9.375	162	972675	44.748	ng	98
48) 2-Nitroaniline	9.469	65	348179	50.665	ng	96
49) Acenaphthylene	9.786	152	1364193	44.642	ng	100
50) Dimethylphthalate	9.645	163	1147448	45.888	ng	99
51) 2,6-Dinitrotoluene	9.710	165	246567	53.176	ng	99
52) Acenaphthene	9.963	154	883487	44.122	ng	99
53) 3-Nitroaniline	9.880	138	291630	51.366	ng	97
54) 2,4-Dinitrophenol	9.980	184	140496	51.801	ng	# 82
55) Dibenzofuran	10.133	168	1233091	43.625	ng	99
56) 4-Nitrophenol	10.033	139	226765	52.750	ng	96
57) 2,4-Dinitrotoluene	10.116	165	329984	52.304	ng	98
58) Fluorene	10.480	166	882946	41.398	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	294987	49.591	ng	# 98
60) Diethylphthalate	10.351	149	1053032	45.330	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	477108	42.311	ng	98
62) 4-Nitroaniline	10.498	138	282713	51.782	ng	98
63) Azobenzene	10.627	77	1096875	45.178	ng	97
65) 4,6-Dinitro-2-methylph...	10.527	198	188400	55.558	ng	99
66) n-Nitrosodiphenylamine	10.586	169	943991	44.552	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	339818	45.566	ng	97
68) Hexachlorobenzene	11.027	284	407614	47.211	ng	97
69) Atrazine	11.116	200	309799	48.240	ng	99
70) Pentachlorophenol	11.216	266	259359	52.304	ng	98
71) Phenanthrene	11.445	178	1419666	43.395	ng	100
72) Anthracene	11.492	178	1440404	43.583	ng	99
73) Carbazole	11.645	167	1291982	44.139	ng	99
74) Di-n-butylphthalate	11.980	149	1534951	45.246	ng	100
75) Fluoranthene	12.633	202	1478181	43.744	ng	99
77) Benzidine	12.751	184	636126	46.882	ng	99
78) Pyrene	12.863	202	1505326	46.206	ng	99
80) Butylbenzylphthalate	13.480	149	532754	50.352	ng	99
81) Benzo(a)anthracene	14.051	228	1203843	47.075	ng	98
82) 3,3'-Dichlorobenzidine	14.015	252	391334	50.214	ng	98
83) Chrysene	14.092	228	1090275	46.065	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	626818	49.146	ng	99
85) Di-n-octyl phthalate	14.657	149	1082833	51.691	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	1316167	50.373	ng	100
88) Benzo(b)fluoranthene	15.110	252	1167220	47.652	ng	98
89) Benzo(k)fluoranthene	15.139	252	983488	43.392	ng	98
90) Benzo(a)pyrene	15.480	252	997382	46.960	ng	97
91) Dibenzo(a,h)anthracene	17.068	278	1039281	49.457	ng	97
92) Benzo(g,h,i)perylene	17.503	276	1056021	50.253	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

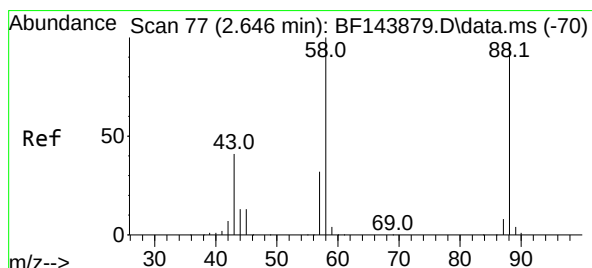
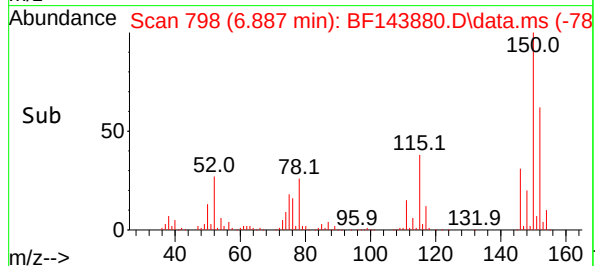
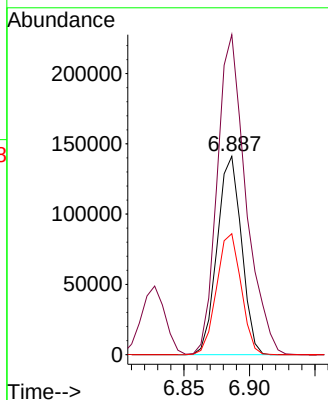
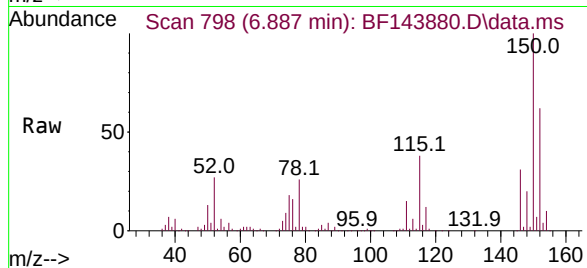
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- 2
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- 8
- 9
- 10
- 11**
- 12
- 13
- 14
- 15
- 16
- 17



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

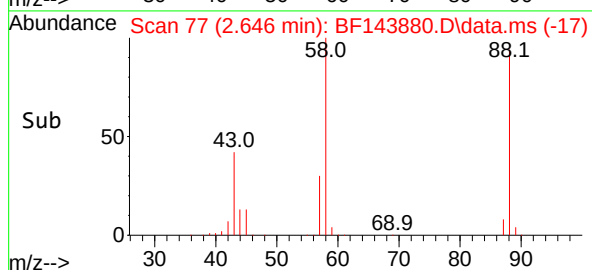
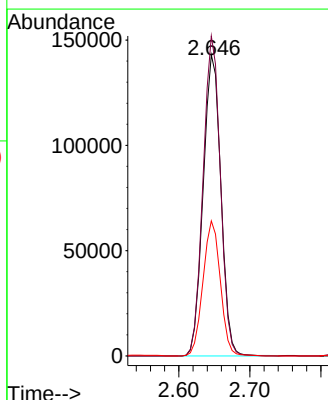
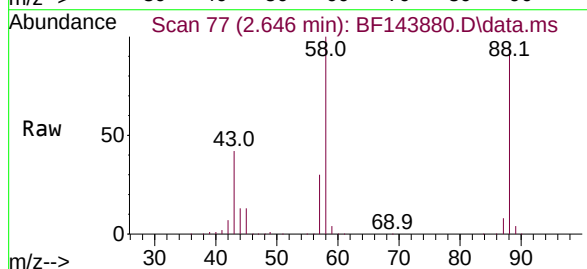
Instrument :
BNA_F
ClientSampleId :
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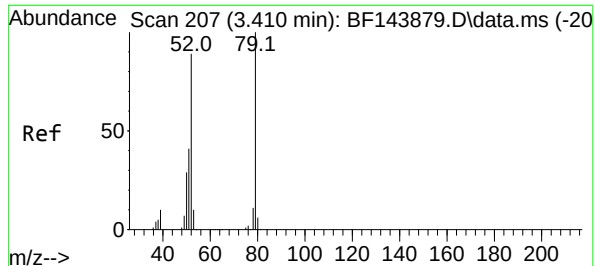
Tgt Ion:152 Resp: 182011
Ion Ratio Lower Upper
152 100
150 161.3 124.4 186.6
115 60.9 48.1 72.1



#2
1,4-Dioxane
Concen: 46.709 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 88 Resp: 247738
Ion Ratio Lower Upper
88 100
58 103.6 83.0 124.6
43 43.8 33.9 50.9





#3

Pyridine

Concen: 49.164 ng

RT: 3.416 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

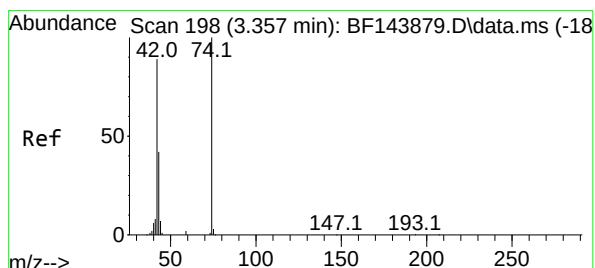
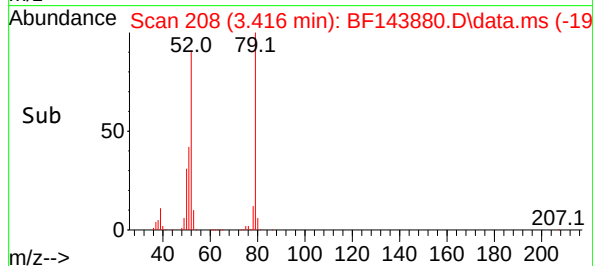
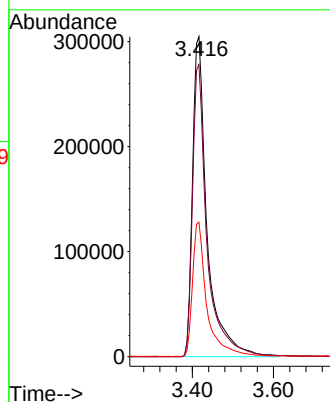
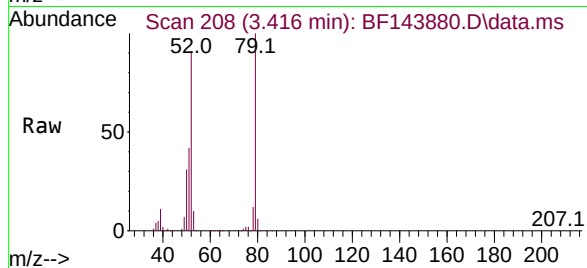
Tgt Ion: 79 Resp: 759117

Ion Ratio Lower Upper

79 100

52 91.3 71.5 107.3

51 42.0 32.9 49.3



#4

n-Nitrosodimethylamine

Concen: 51.355 ng

RT: 3.381 min Scan# 202

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

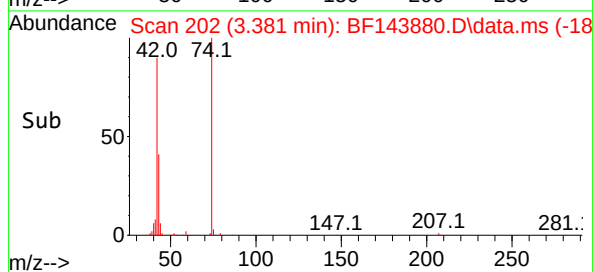
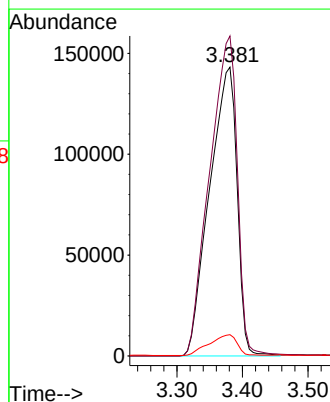
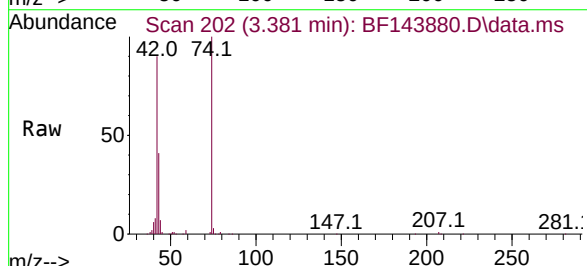
Tgt Ion: 42 Resp: 417134

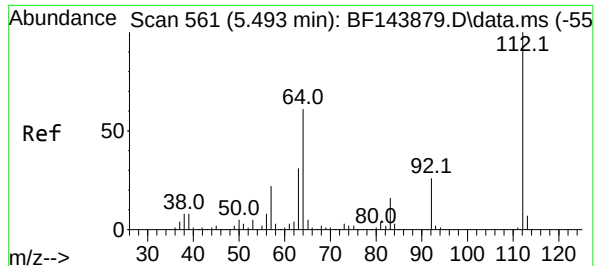
Ion Ratio Lower Upper

42 100

74 110.8 90.0 135.0

44 7.3 6.2 9.2

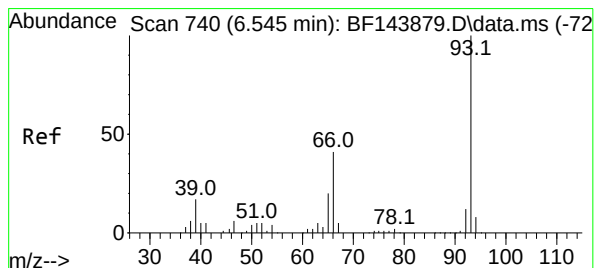
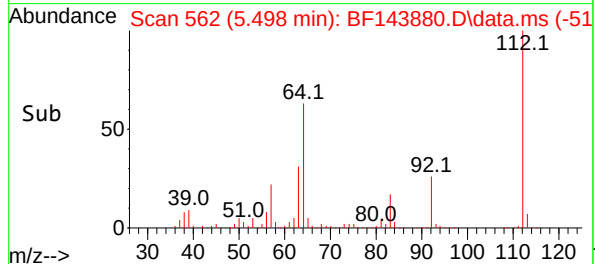
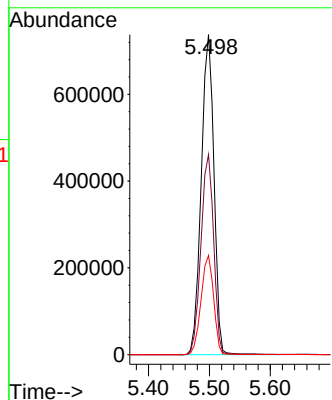
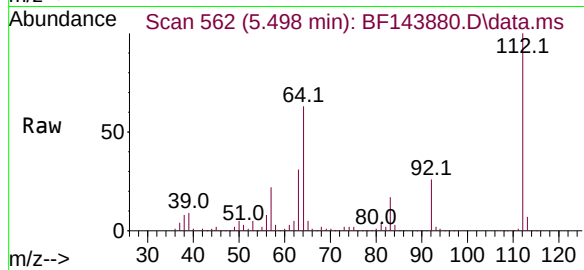




#5
2-Fluorophenol
Concen: 93.138 ng
RT: 5.498 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

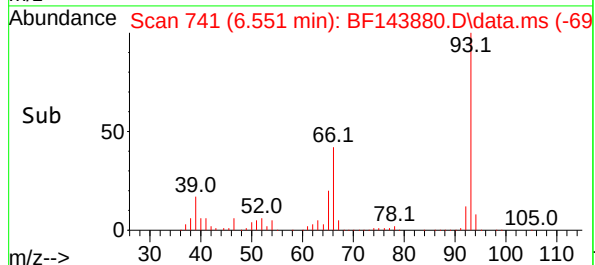
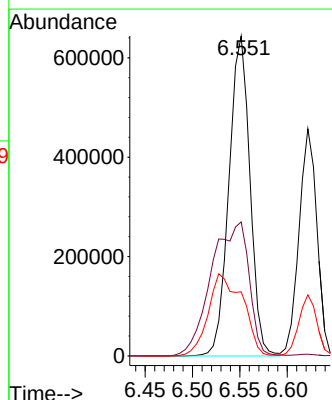
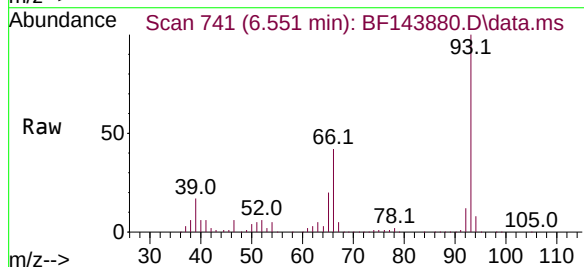
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

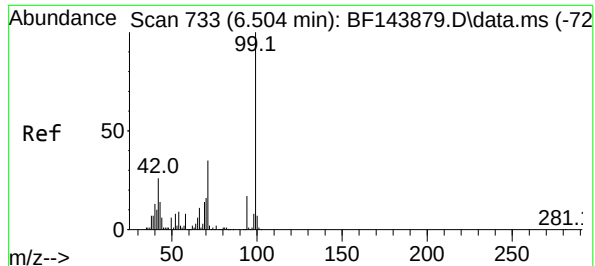
Tgt Ion:112 Resp: 1067519
Ion Ratio Lower Upper
112 100
64 62.5 49.1 73.7
63 31.0 24.5 36.7



#6
Aniline
Concen: 48.562 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 93 Resp: 994174
Ion Ratio Lower Upper
93 100
66 41.9 33.0 49.6
65 20.0 15.8 23.8





#7

Phenol-d6

Concen: 93.519 ng

RT: 6.510 min Scan# 734

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

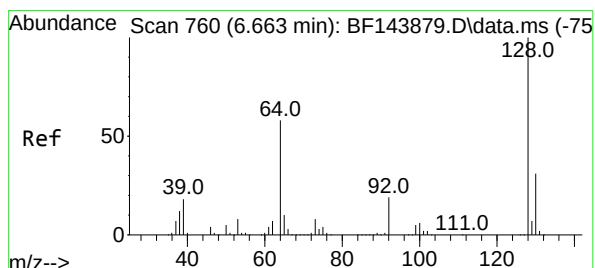
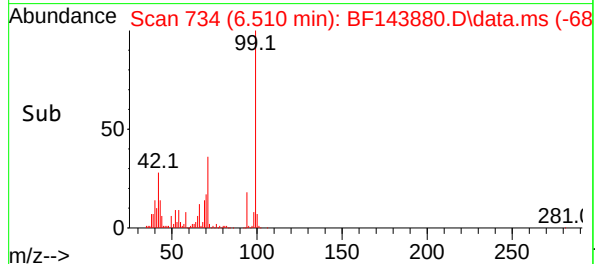
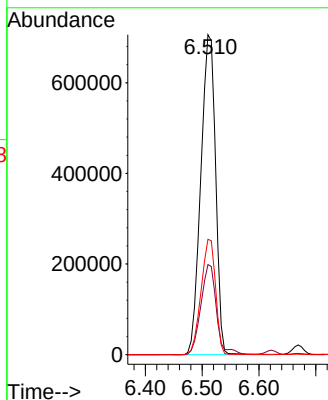
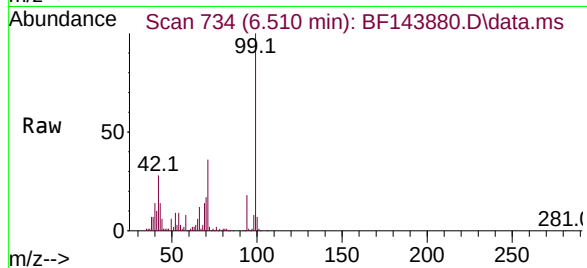
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 99 Resp: 1277645

Ion	Ratio	Lower	Upper
99	100		
42	28.1	21.0	31.4
71	36.0	27.8	41.8



#8

2-Chlorophenol

Concen: 48.757 ng

RT: 6.669 min Scan# 761

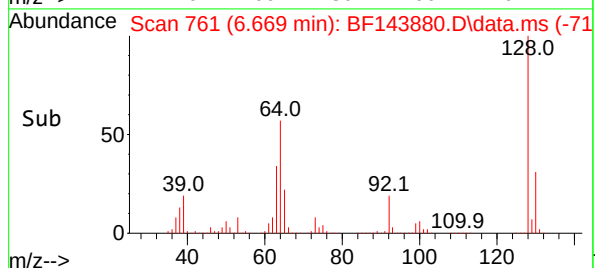
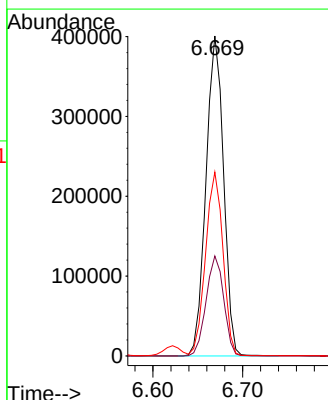
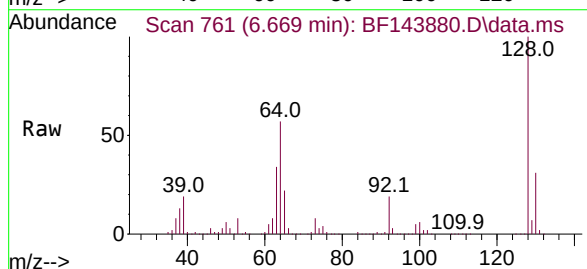
Delta R.T. 0.000 min

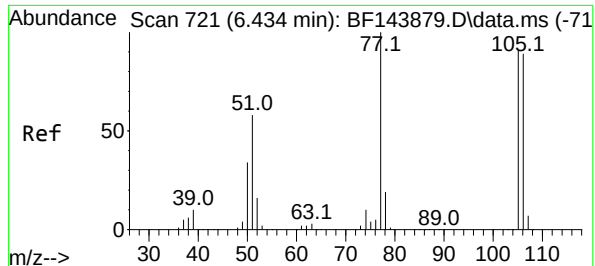
Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Tgt Ion: 128 Resp: 546266

Ion	Ratio	Lower	Upper
128	100		
130	31.2	10.7	50.7
64	57.4	39.0	79.0



#9
Benzaldehyde

Concen: 51.738 ng

RT: 6.439 min Scan# 721

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

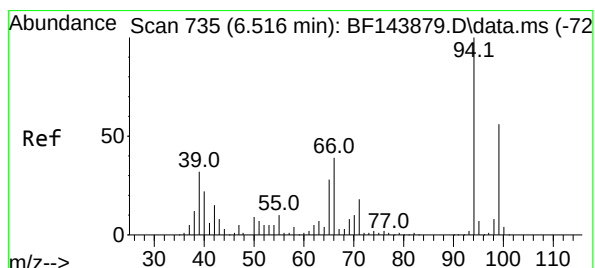
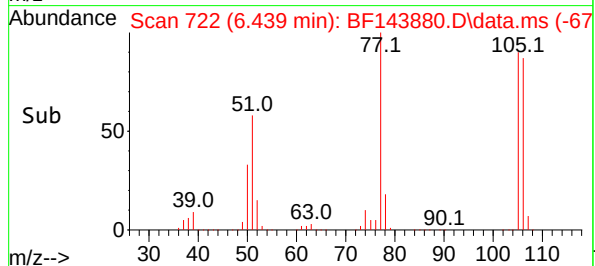
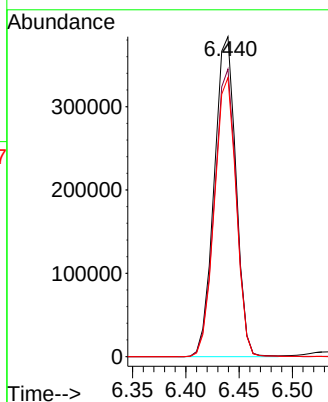
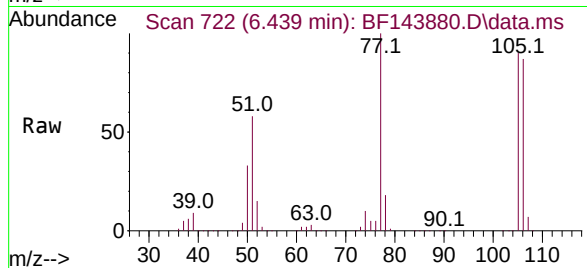
Tgt Ion: 77 Resp: 545259

Ion Ratio Lower Upper

77 100

105 89.9 70.9 110.9

106 87.2 68.9 108.9



#10

Phenol

Concen: 48.932 ng

RT: 6.528 min Scan# 737

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

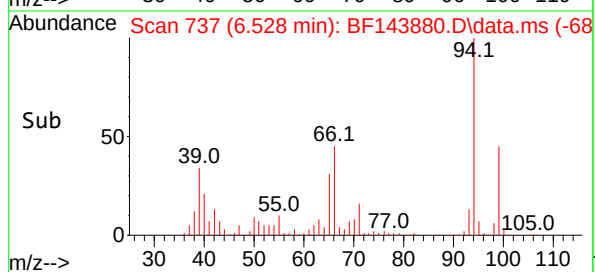
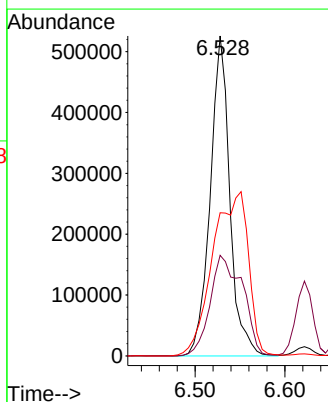
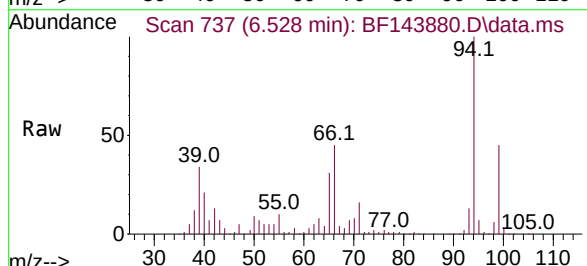
Tgt Ion: 94 Resp: 799210

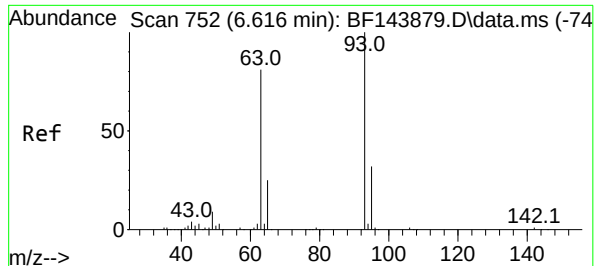
Ion Ratio Lower Upper

94 100

65 31.4 8.5 48.5

66 44.7 19.9 59.9

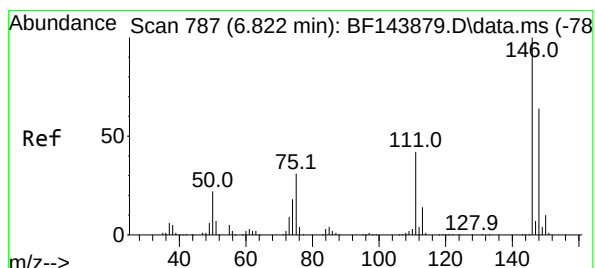
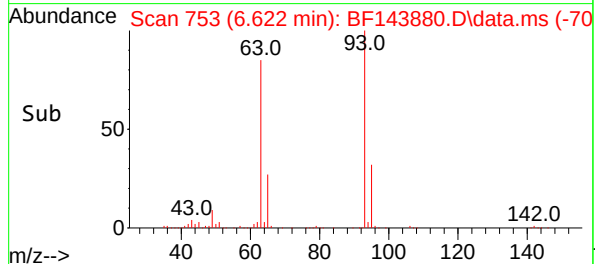
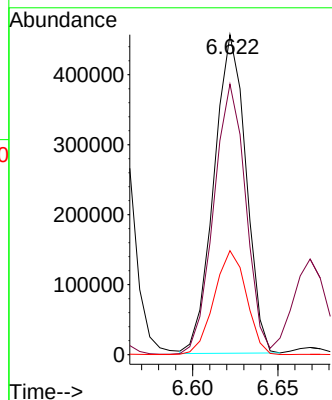
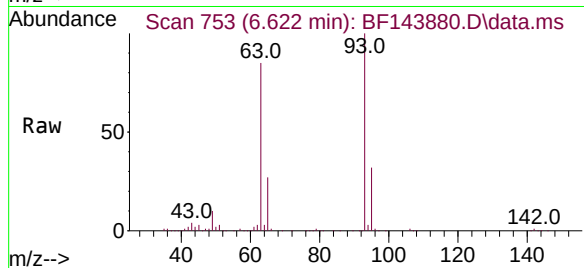




#11
bis(2-Chloroethyl)ether
Concen: 47.169 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

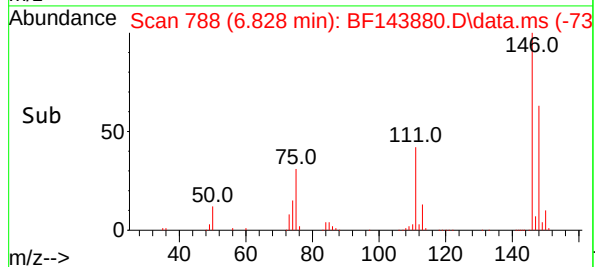
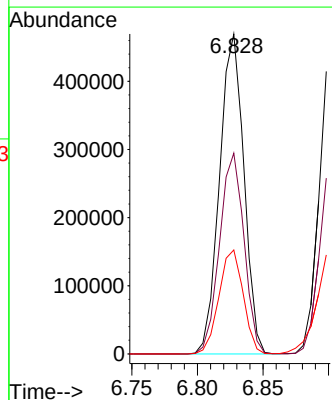
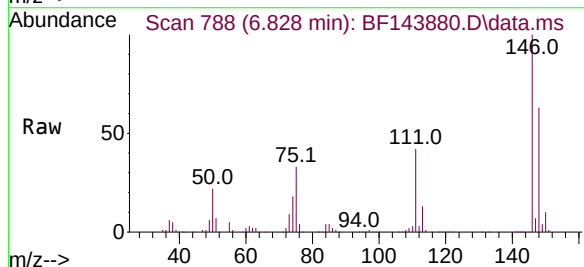
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

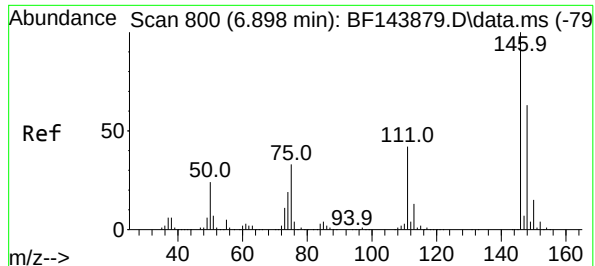
Tgt Ion: 93 Resp: 595127
Ion Ratio Lower Upper
93 100
63 84.5 60.9 100.9
95 32.5 11.5 51.5



#12
1,3-Dichlorobenzene
Concen: 45.318 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 146 Resp: 607764
Ion Ratio Lower Upper
146 100
148 62.7 51.0 76.4
75 32.5 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 45.612 ng

RT: 6.904 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

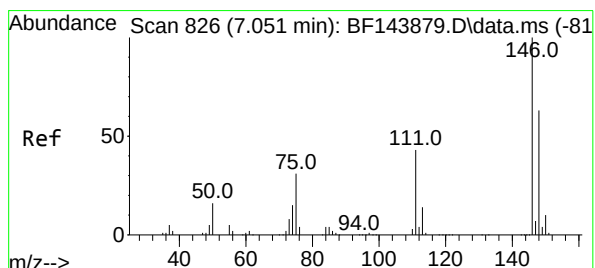
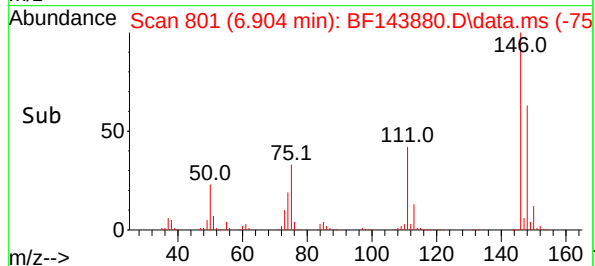
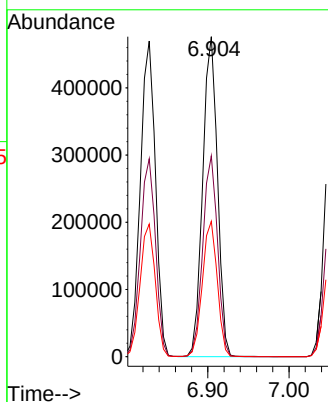
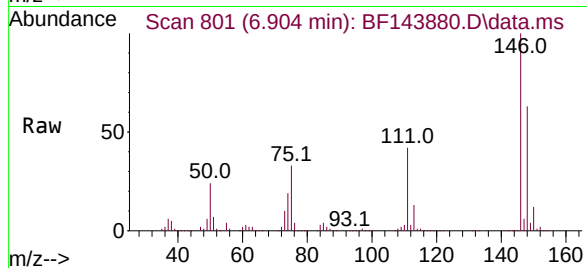
Tgt Ion:146 Resp: 603407

Ion Ratio Lower Upper

146 100

148 62.7 50.5 75.7

111 42.3 33.4 50.0



#14

1,2-Dichlorobenzene

Concen: 46.072 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

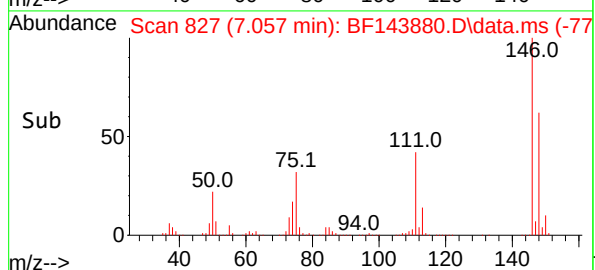
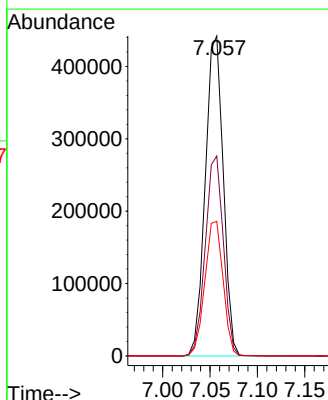
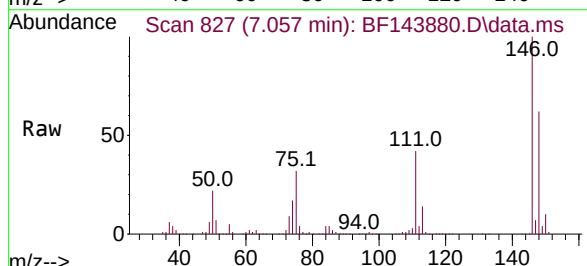
Tgt Ion:146 Resp: 583790

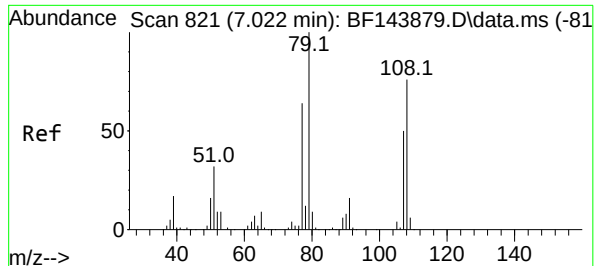
Ion Ratio Lower Upper

146 100

148 62.5 50.6 75.8

111 42.0 34.6 51.8





#15

Benzyl Alcohol

Concen: 50.402 ng

RT: 7.028 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

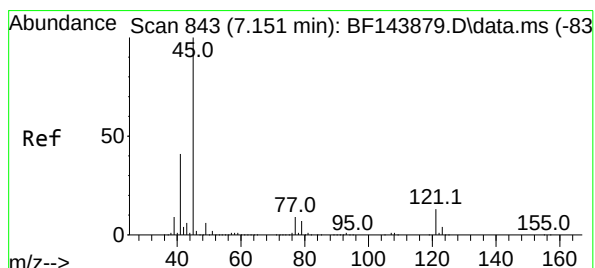
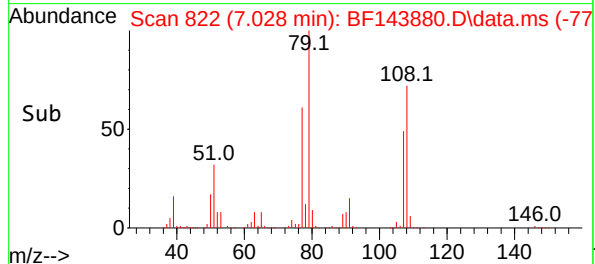
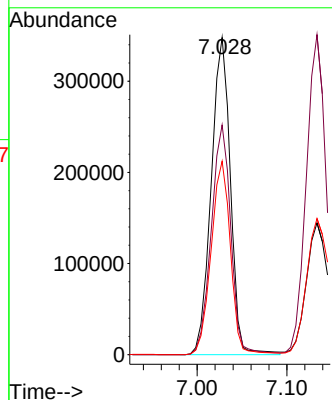
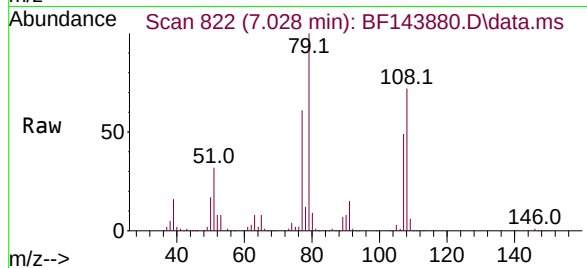
Tgt Ion: 79 Resp: 515929

Ion Ratio Lower Upper

79 100

108 72.4 60.8 91.2

77 61.0 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.652 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

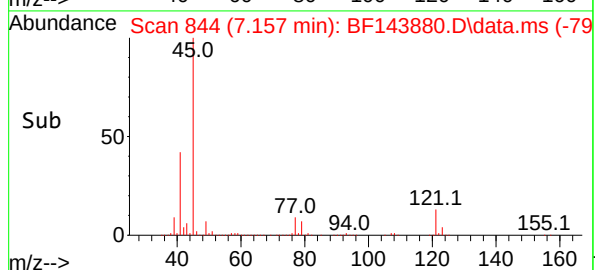
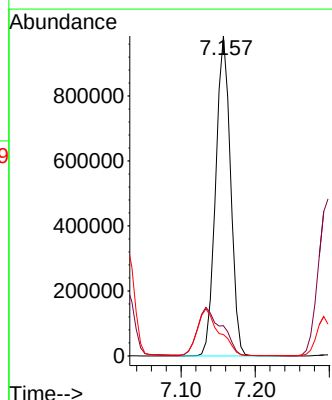
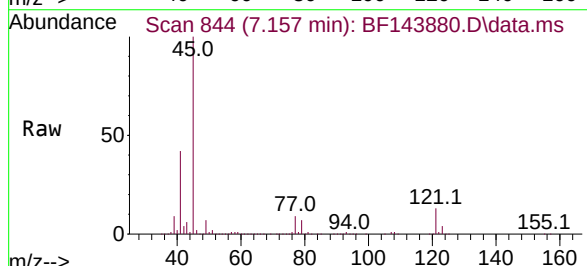
Tgt Ion: 45 Resp: 1368524

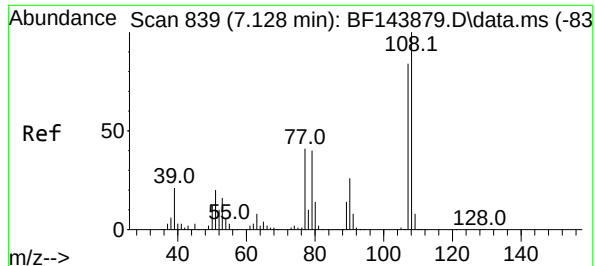
Ion Ratio Lower Upper

45 100

77 9.4 0.0 29.0

79 6.7 0.0 26.8

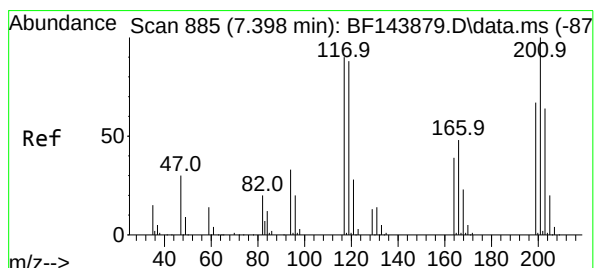
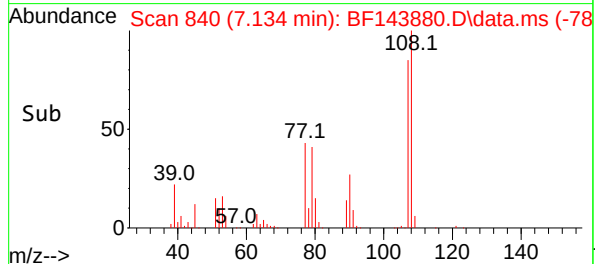
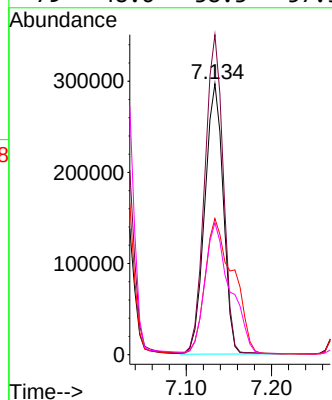
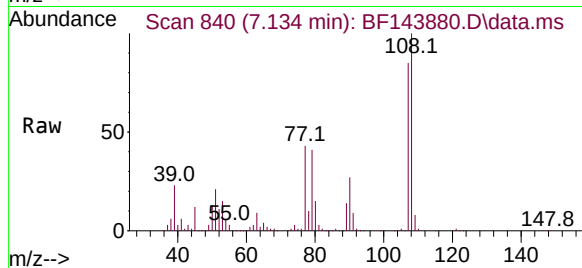




#17
2-Methylphenol
Concen: 48.397 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

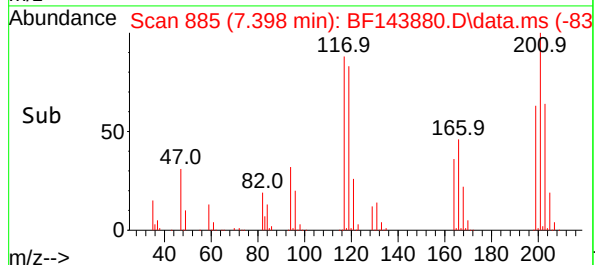
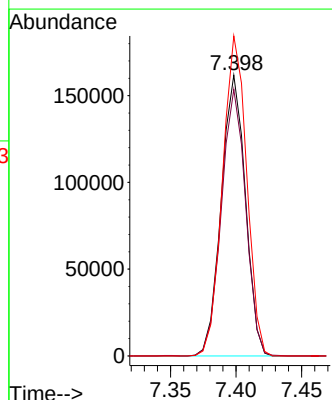
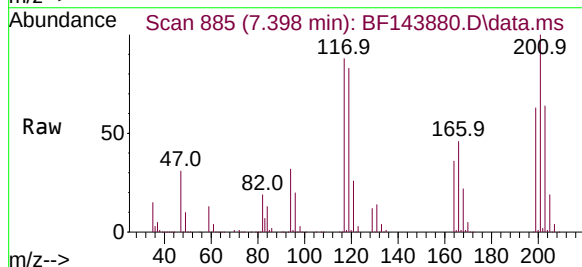
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

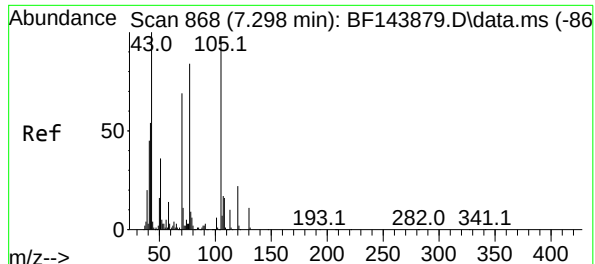
Tgt Ion:	107	Resp:	448120
Ion	Ratio	Lower	Upper
107	100		
108	118.1	94.7	142.1
77	50.2	38.8	58.2
79	48.6	38.3	57.5



#18
Hexachloroethane
Concen: 47.017 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:	117	Resp:	207432
Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.8	116.8
201	114.0	88.5	132.7





#19

n-Nitroso-di-n-propylamine

Concen: 47.198 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 441373

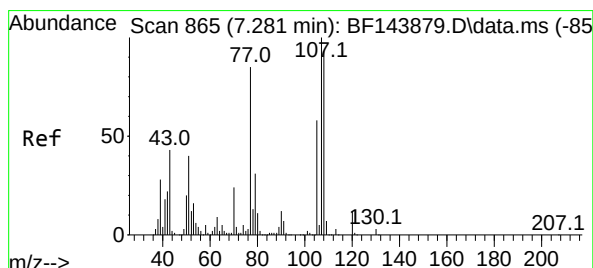
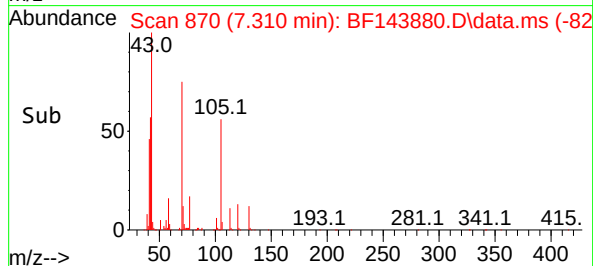
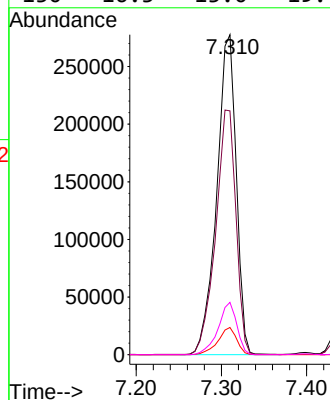
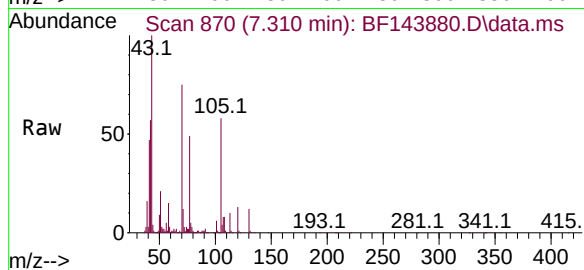
Ion Ratio Lower Upper

70 100

42 76.2 62.8 94.2

101 8.5 6.7 10.1

130 16.3 13.0 19.4



#20

3+4-Methylphenols

Concen: 45.276 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Tgt Ion: 107 Resp: 485879

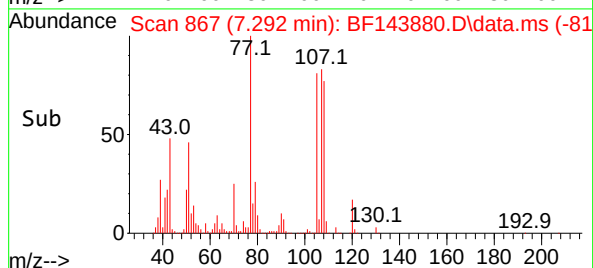
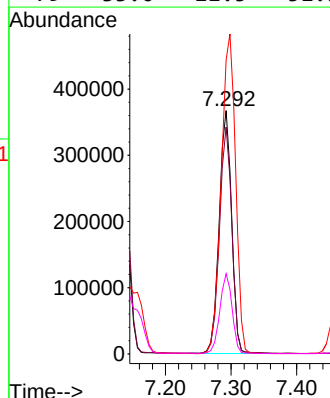
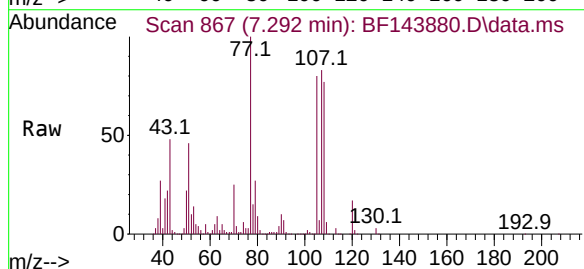
Ion Ratio Lower Upper

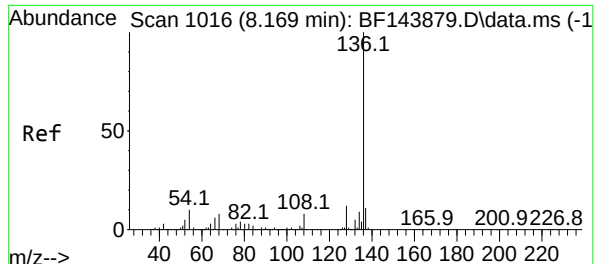
107 100

108 93.2 73.0 113.0

77 120.9 64.6 104.6#

79 33.0 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 710843

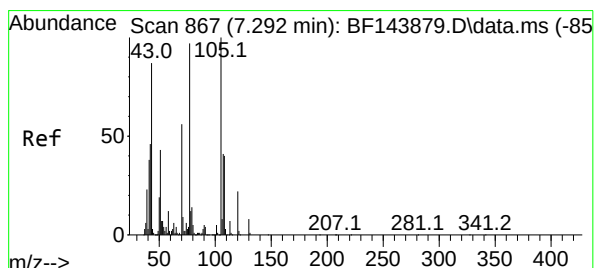
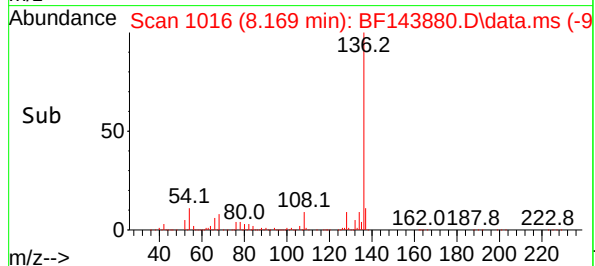
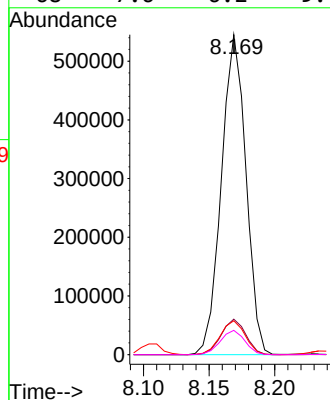
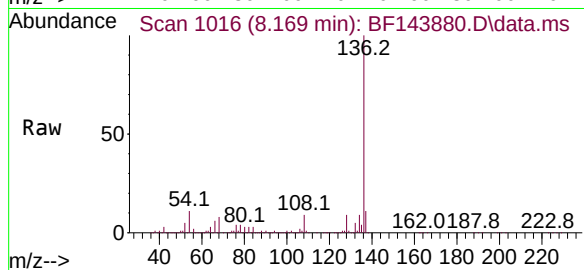
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.6 8.2 12.4

68 7.6 6.2 9.4



#22

Acetophenone

Concen: 44.262 ng

RT: 7.298 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Tgt Ion:105 Resp: 665276

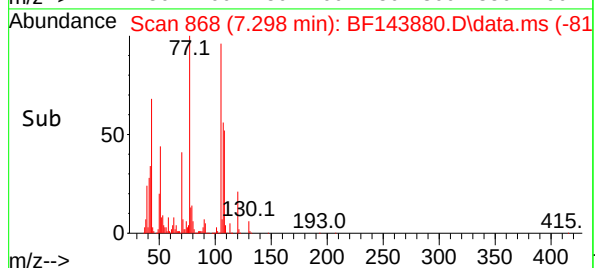
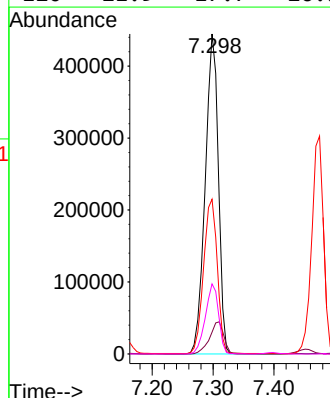
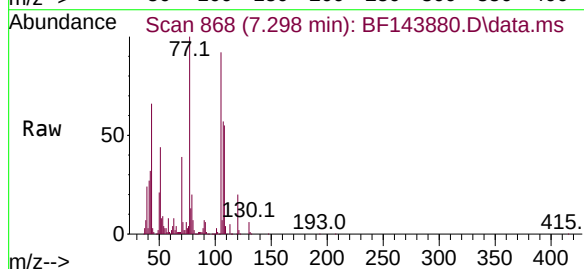
Ion Ratio Lower Upper

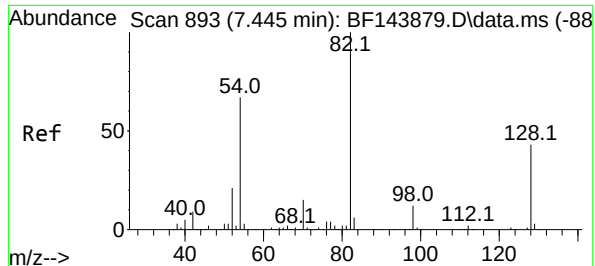
105 100

71 6.8 7.4 11.0#

51 48.3 34.2 51.4

120 21.9 17.7 26.5





#23

Nitrobenzene-d5

Concen: 98.174 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

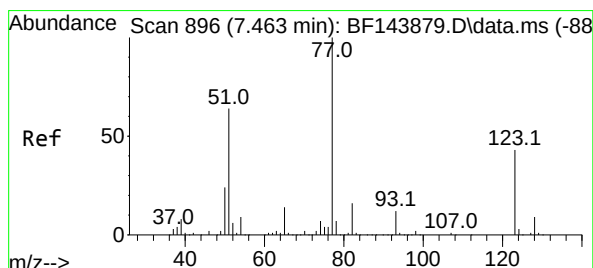
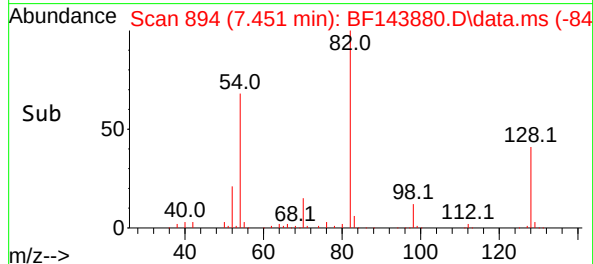
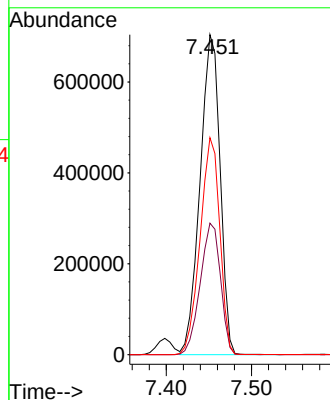
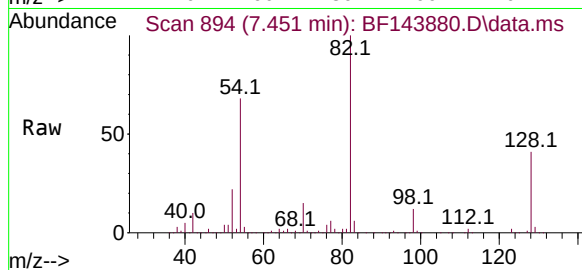
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1148649

Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.0	51.0
54	67.8	53.2	79.8



#24

Nitrobenzene

Concen: 48.155 ng

RT: 7.475 min Scan# 898

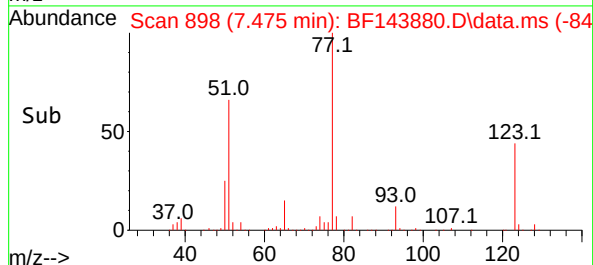
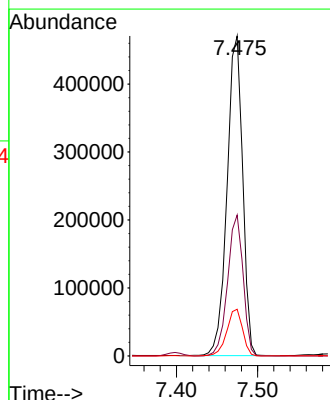
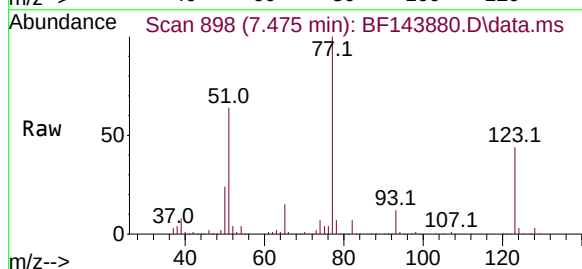
Delta R.T. 0.000 min

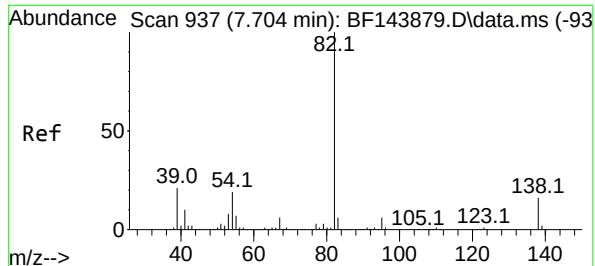
Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Tgt Ion: 77 Resp: 625692

Ion	Ratio	Lower	Upper
77	100		
123	44.0	34.2	51.4
65	14.6	11.0	16.6

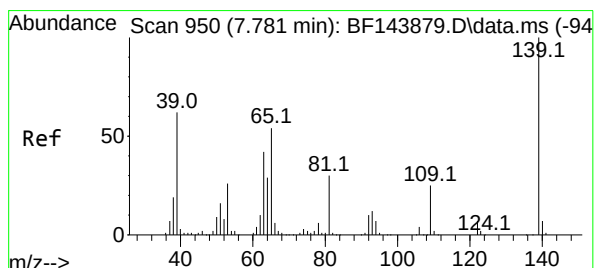
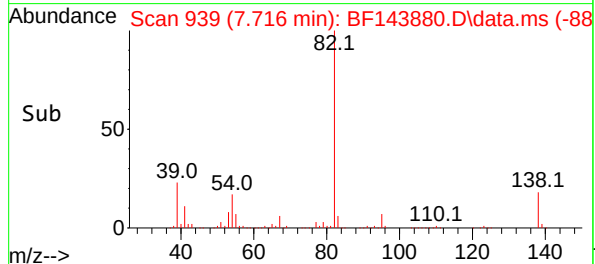
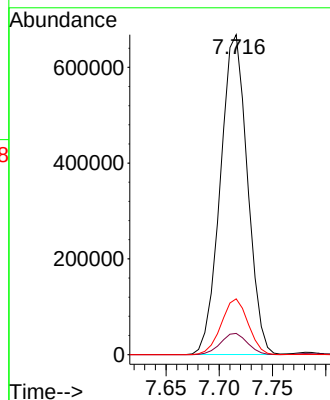
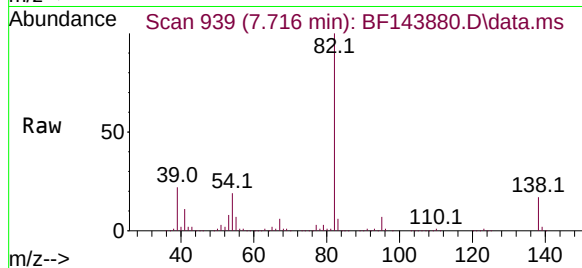




#25
Isophorone
Concen: 47.877 ng
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

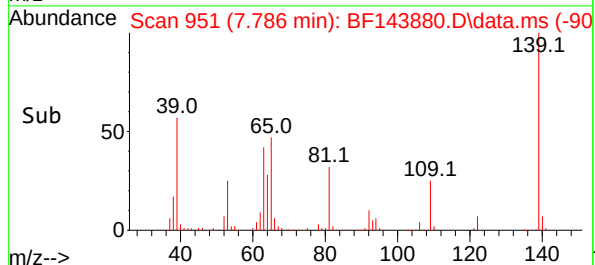
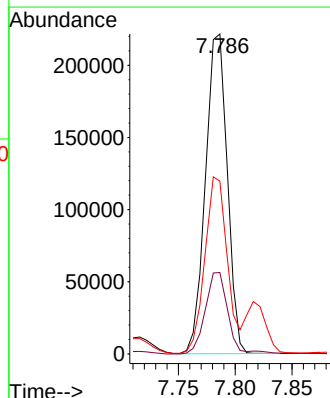
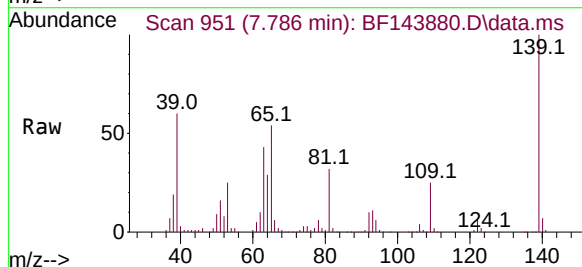
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

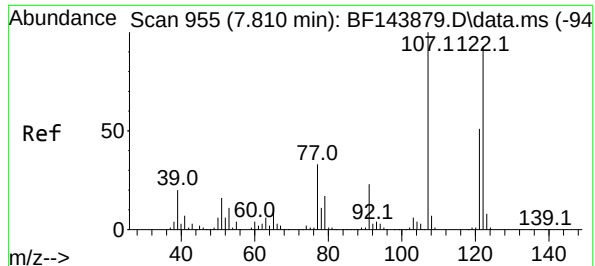
Tgt Ion: 82 Resp: 1181135
Ion Ratio Lower Upper
82 100
95 6.6 5.1 7.7
138 17.4 12.9 19.3



#26
2-Nitrophenol
Concen: 53.208 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 139 Resp: 296399
Ion Ratio Lower Upper
139 100
109 25.5 19.8 29.6
65 54.0 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 47.987 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

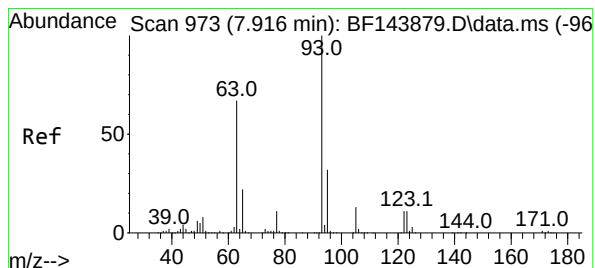
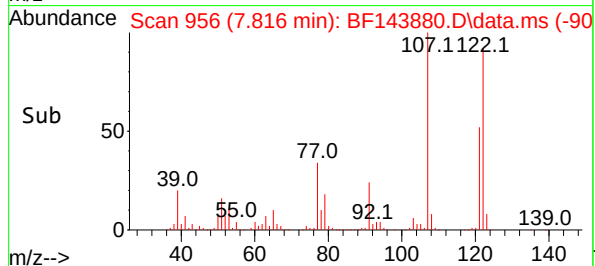
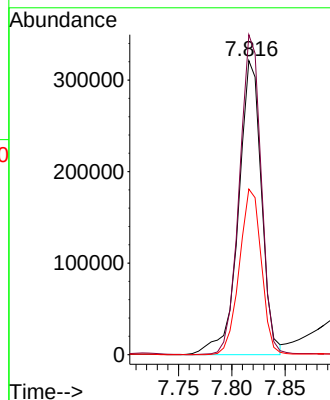
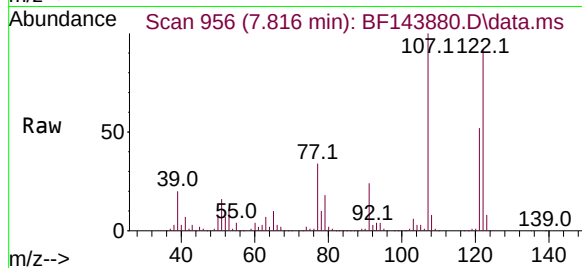
Tgt Ion:122 Resp: 480868

Ion Ratio Lower Upper

122 100

107 108.8 86.1 129.1

121 56.3 43.8 65.6



#28

bis(2-Chloroethoxy)methane

Concen: 45.333 ng

RT: 7.916 min Scan# 973

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

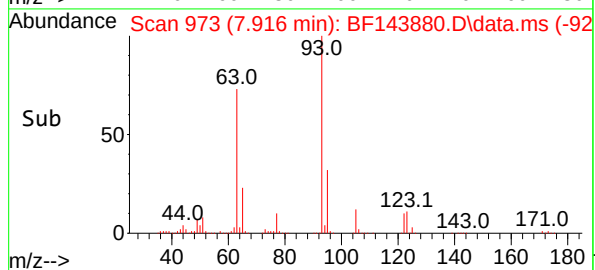
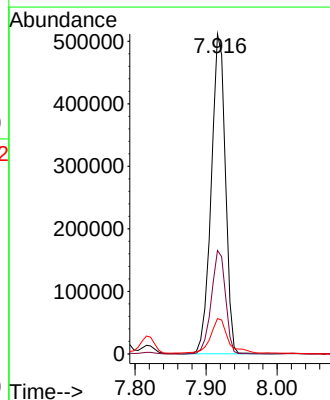
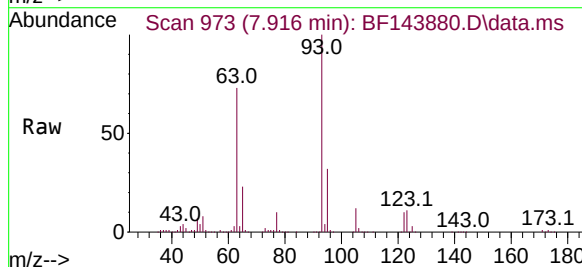
Tgt Ion: 93 Resp: 706471

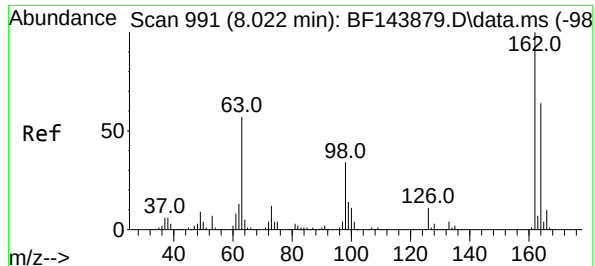
Ion Ratio Lower Upper

93 100

95 32.3 25.9 38.9

123 11.0 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 47.642 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

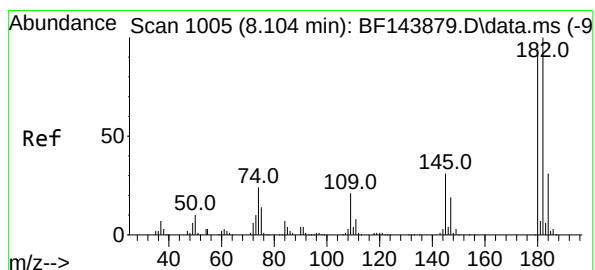
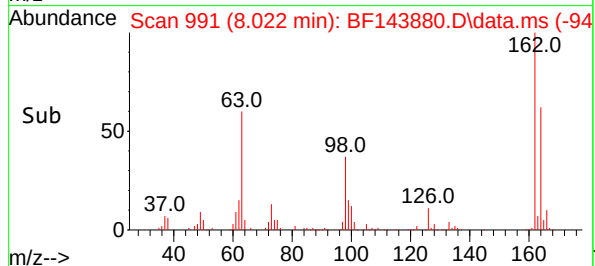
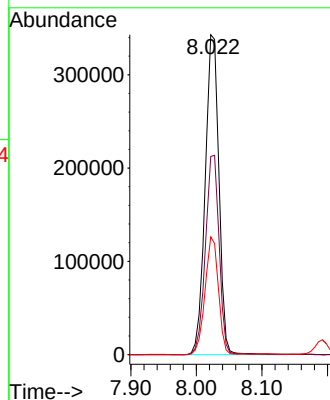
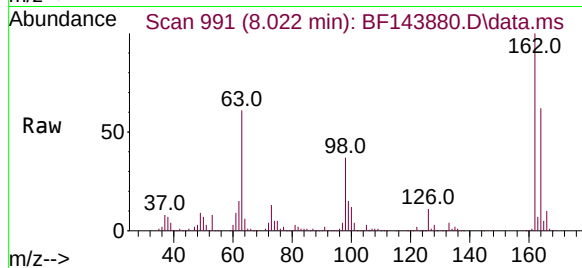
Tgt Ion:162 Resp: 497289

Ion Ratio Lower Upper

162 100

164 61.9 43.9 83.9

98 36.8 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 46.083 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

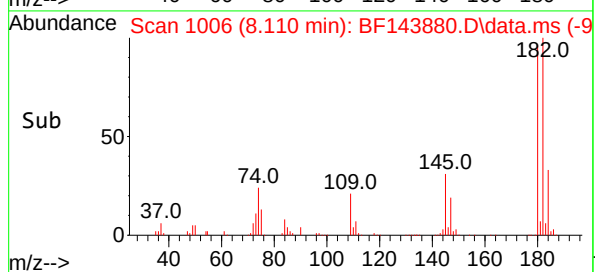
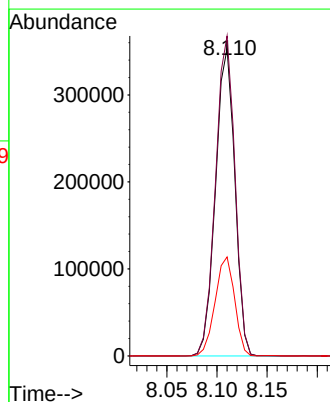
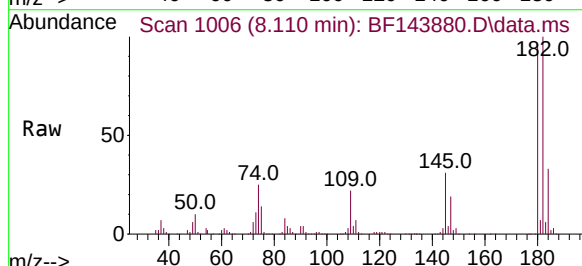
Tgt Ion:180 Resp: 473064

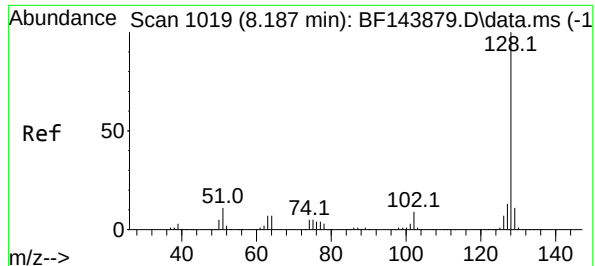
Ion Ratio Lower Upper

180 100

182 104.1 85.4 128.0

145 32.2 26.3 39.5

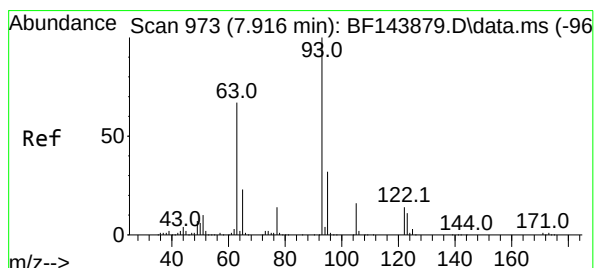
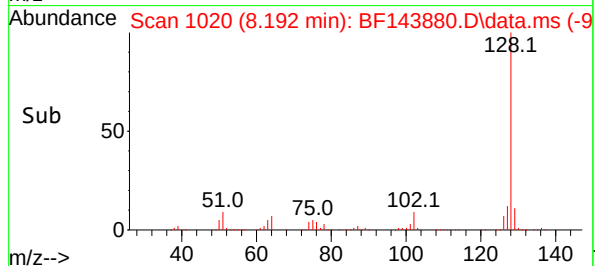
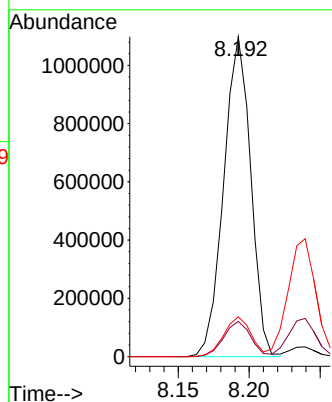
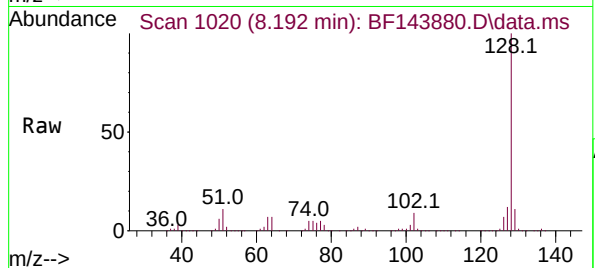




#31
Naphthalene
Concen: 44.890 ng
RT: 8.192 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

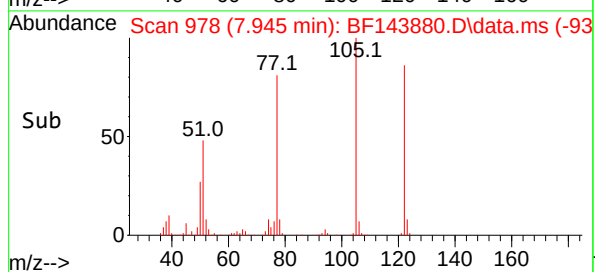
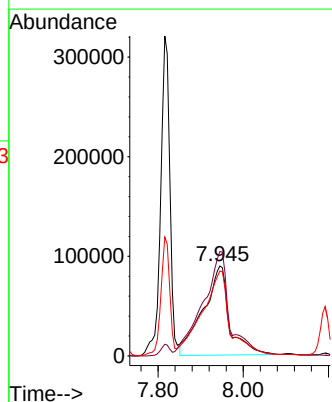
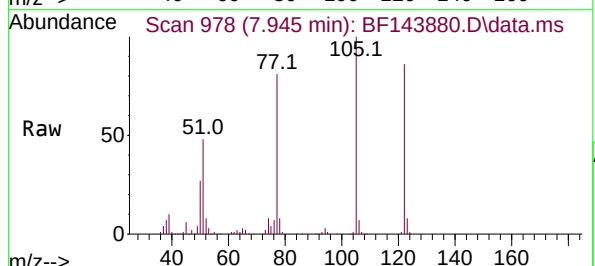
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

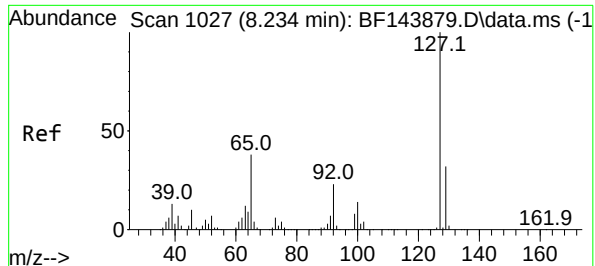
Tgt Ion:128 Resp: 1451547
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.4 10.0 15.0



#32
Benzoic acid
Concen: 55.462 ng
RT: 7.945 min Scan# 978
Delta R.T. -0.018 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:122 Resp: 384635
Ion Ratio Lower Upper
122 100
105 116.3 93.5 133.5
77 94.5 76.3 116.3





#33

4-Chloroaniline

Concen: 46.813 ng

RT: 8.239 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion:127 Resp: 567726

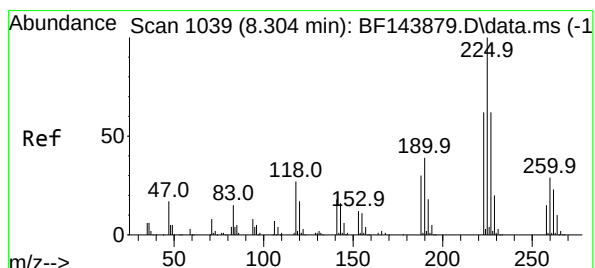
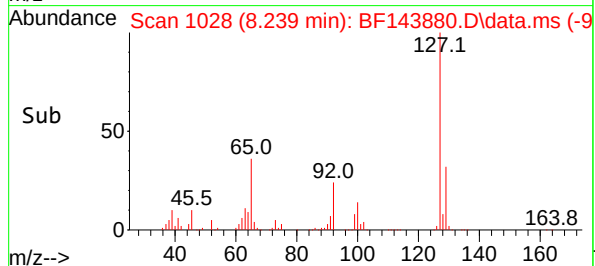
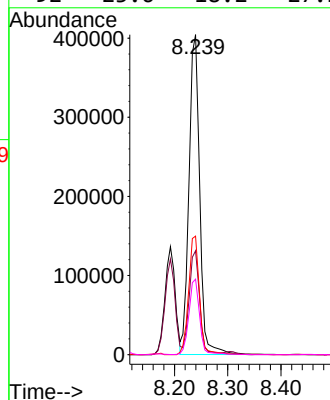
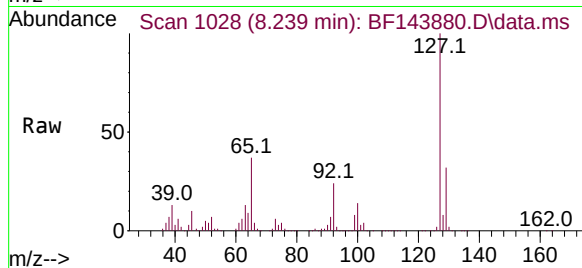
Ion Ratio Lower Upper

127 100

129 32.5 25.8 38.8

65 37.0 30.0 45.0

92 23.6 18.2 27.2



#34

Hexachlorobutadiene

Concen: 45.586 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

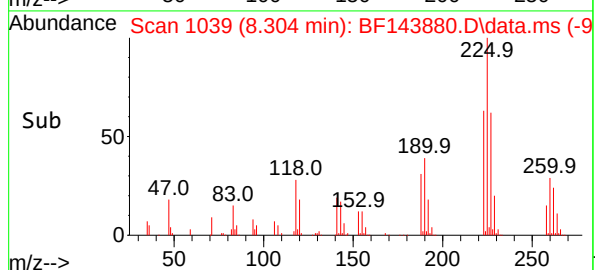
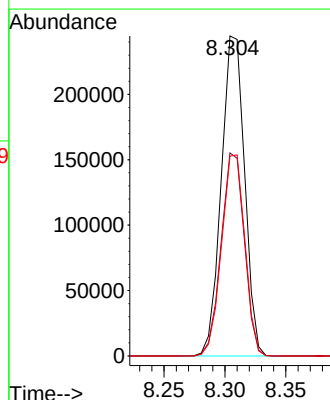
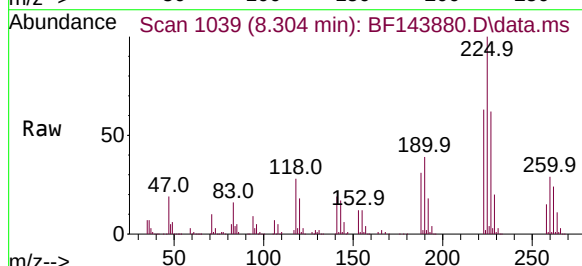
Tgt Ion:225 Resp: 325186

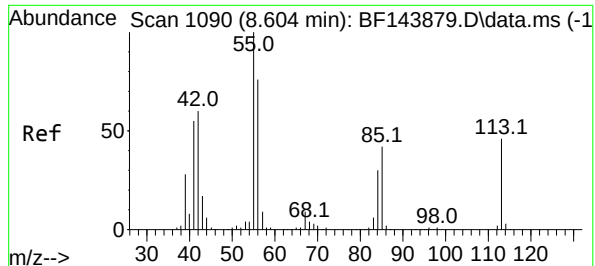
Ion Ratio Lower Upper

225 100

223 63.4 49.4 74.2

227 62.4 49.7 74.5





#35

Caprolactam

Concen: 50.565 ng

RT: 8.628 min Scan# 1090

Delta R.T. -0.018 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

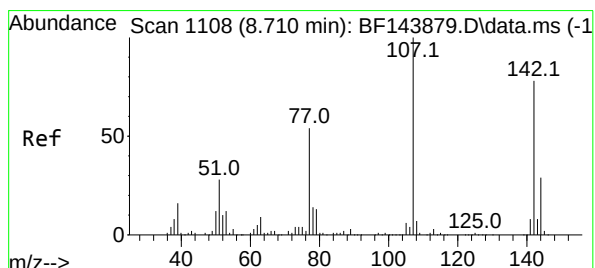
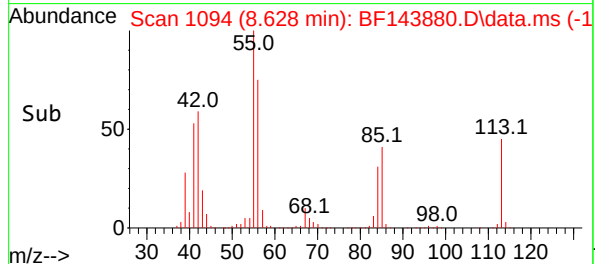
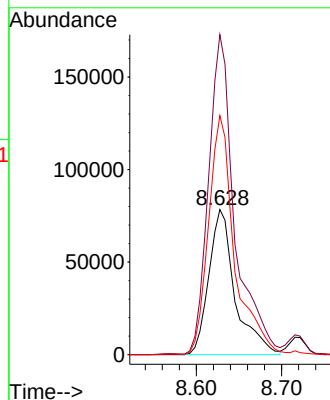
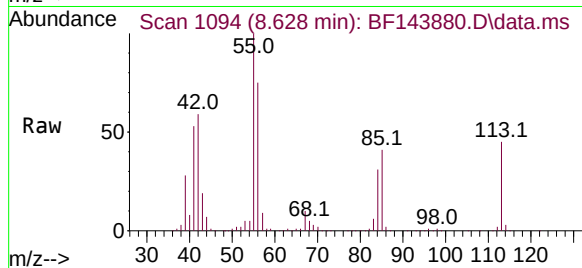
Tgt Ion:113 Resp: 167817

Ion Ratio Lower Upper

113 100

55 220.6 199.6 239.6

56 164.8 146.0 186.0



#36

4-Chloro-3-methylphenol

Concen: 47.612 ng

RT: 8.716 min Scan# 1109

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

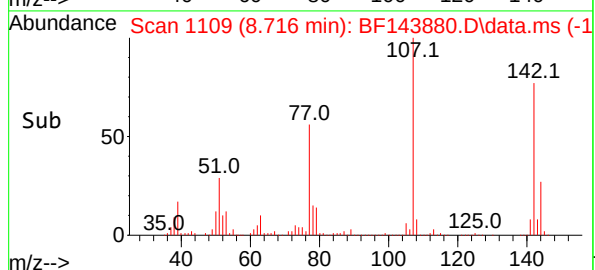
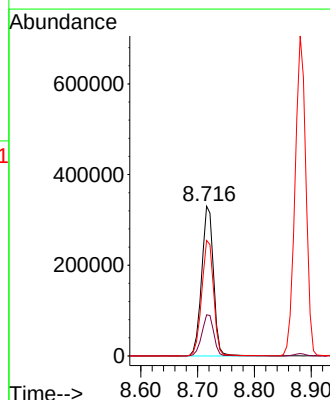
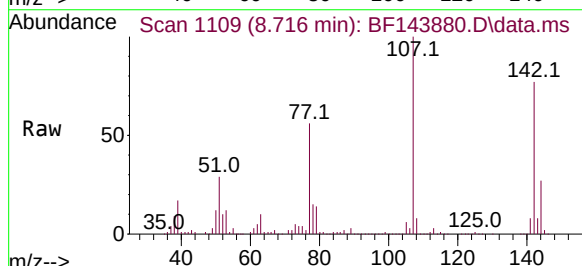
Tgt Ion:107 Resp: 477376

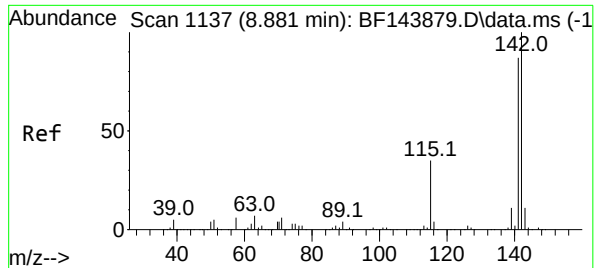
Ion Ratio Lower Upper

107 100

144 27.5 23.1 34.7

142 77.1 62.6 94.0





#37

2-Methylnaphthalene

Concen: 43.453 ng

RT: 8.881 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

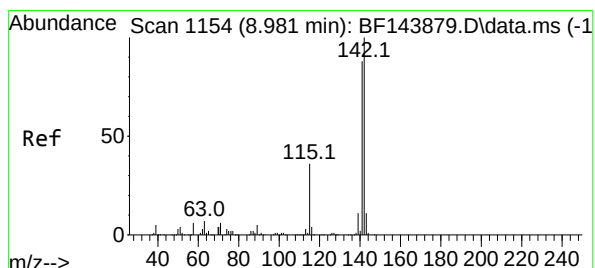
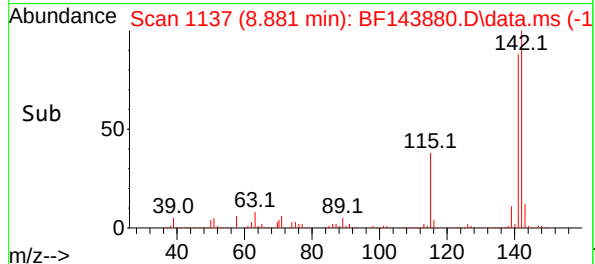
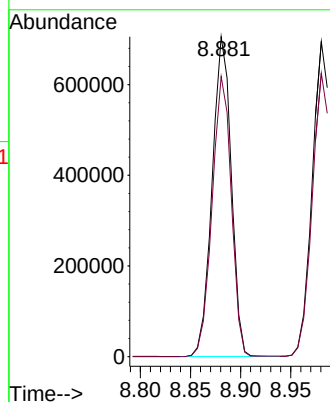
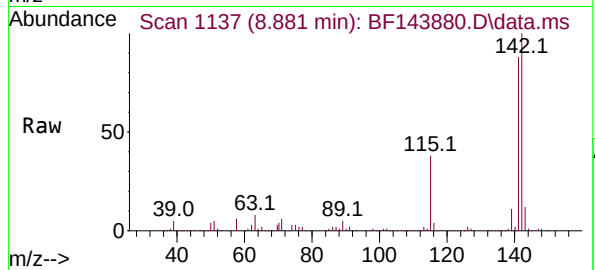
SSTDICC050

Tgt Ion:142 Resp: 935960

Ion Ratio Lower Upper

142 100

141 87.5 69.2 103.8



#38

1-Methylnaphthalene

Concen: 43.965 ng

RT: 8.981 min Scan# 1154

Delta R.T. -0.005 min

Lab File: BF143880.D

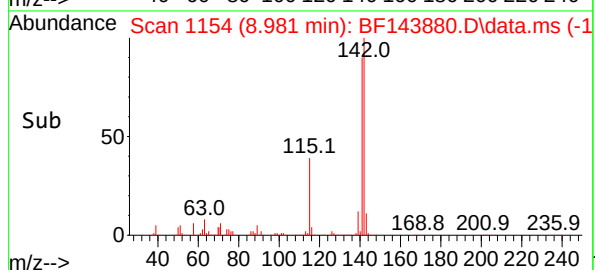
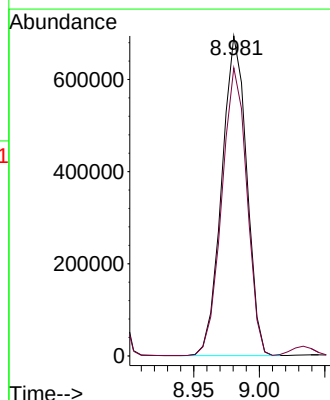
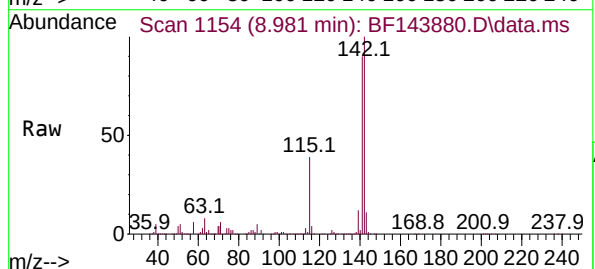
Acq: 06 Oct 2025 13:23

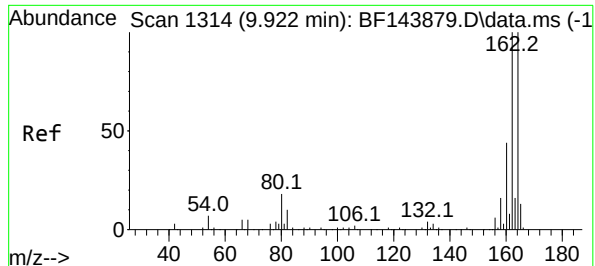
Tgt Ion:142 Resp: 918550

Ion Ratio Lower Upper

142 100

141 90.0 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1314

Delta R.T. 0.001 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

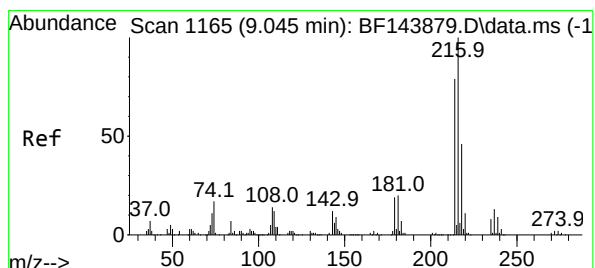
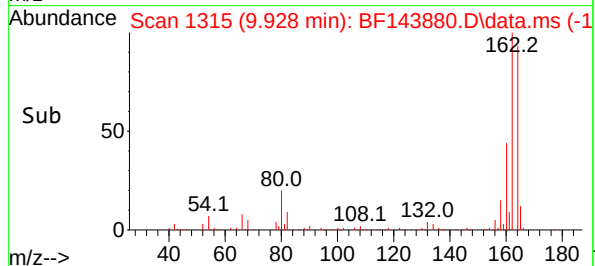
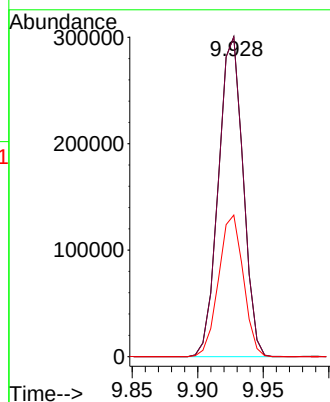
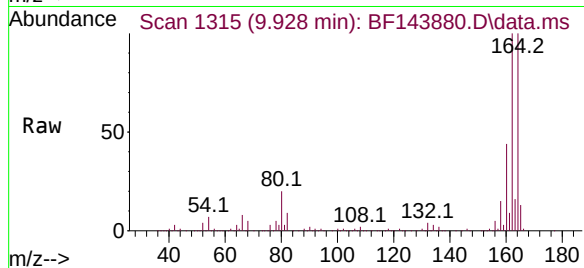
Tgt Ion:164 Resp: 393762

Ion Ratio Lower Upper

164 100

162 99.9 80.2 120.2

160 44.2 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.187 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Tgt Ion:216 Resp: 491771

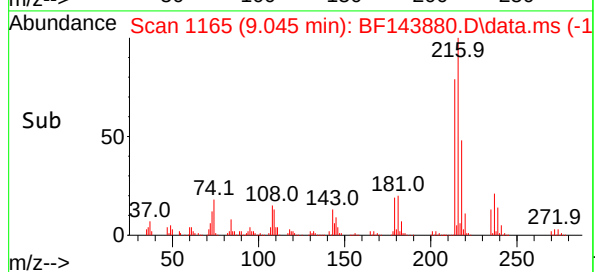
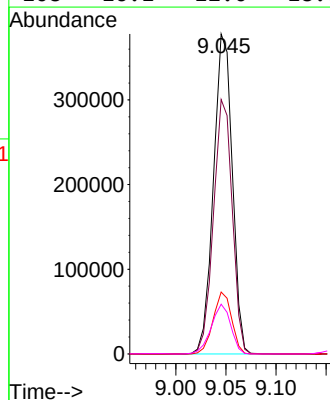
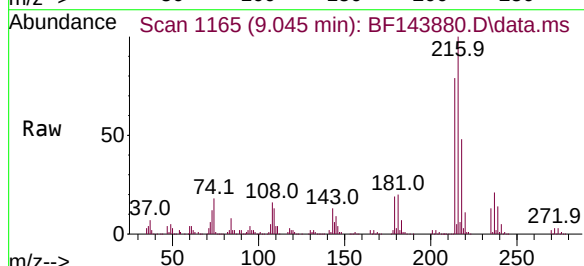
Ion Ratio Lower Upper

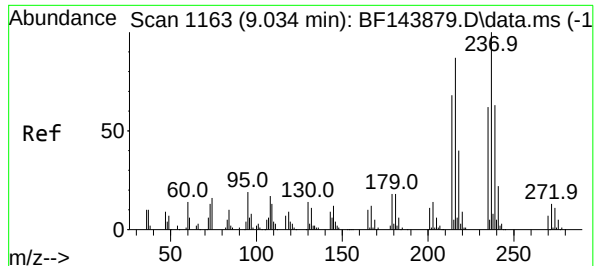
216 100

214 79.2 62.6 94.0

179 19.0 15.4 23.0

108 16.1 12.0 18.0

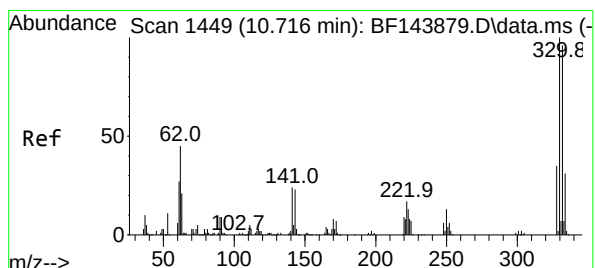
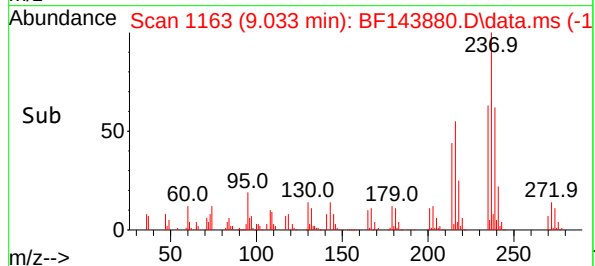
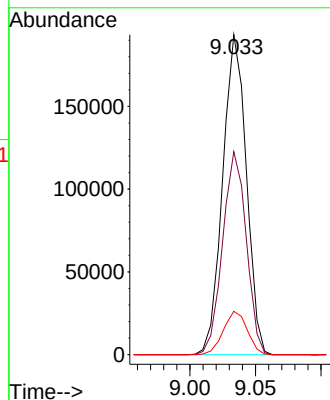
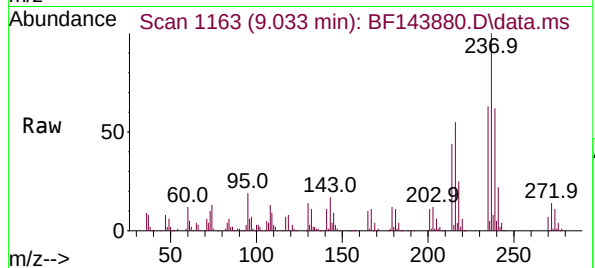




#41
Hexachlorocyclopentadiene
Concen: 53.686 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

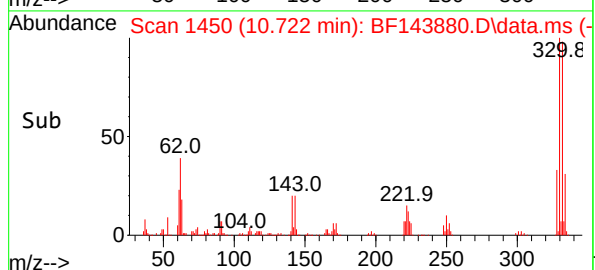
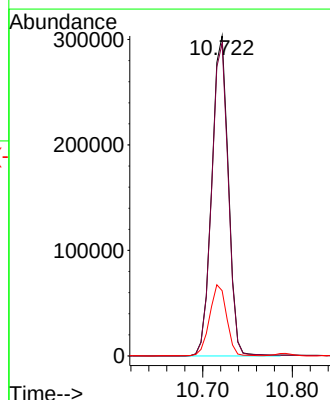
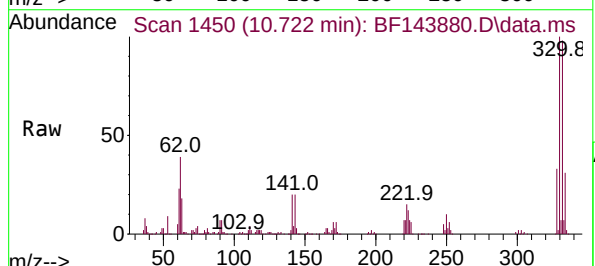
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

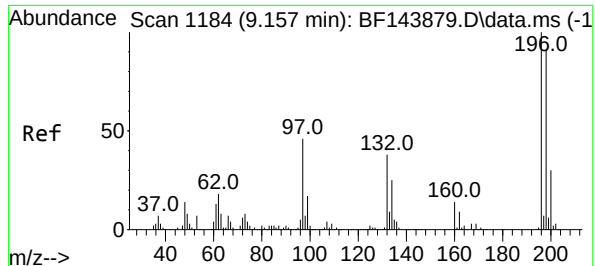
Tgt Ion:237 Resp: 242390
Ion Ratio Lower Upper
237 100
235 63.4 42.3 82.3
272 13.5 0.0 33.1



#42
2,4,6-Tribromophenol
Concen: 99.608 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:330 Resp: 390657
Ion Ratio Lower Upper
330 100
332 98.3 76.9 115.3
141 22.6 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 47.410 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF143880.D

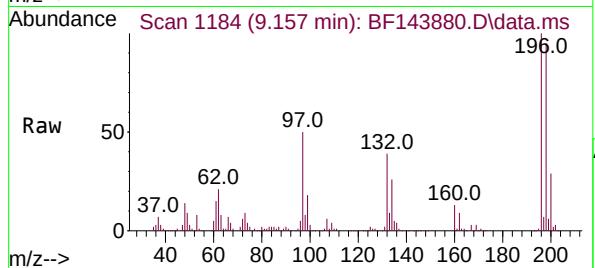
Acq: 06 Oct 2025 13:23

Instrument :

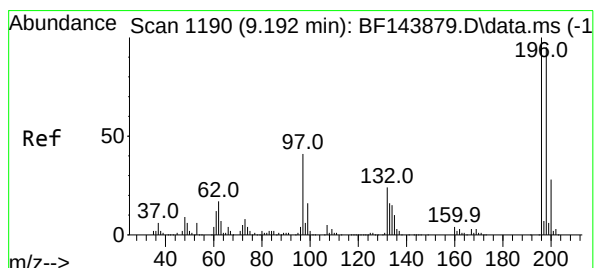
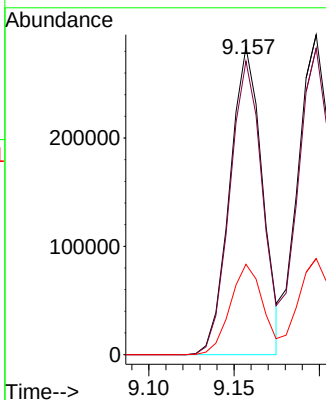
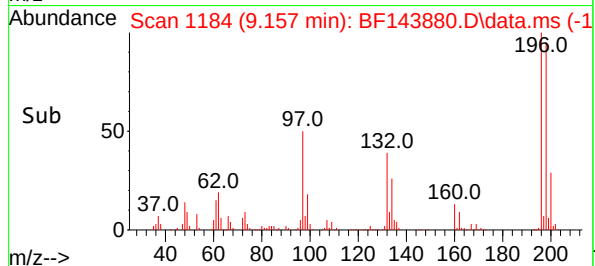
BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:196	Resp: 376991
Ion Ratio	Lower Upper
196	100
198	95.4 72.8 109.2
200	29.4 24.0 36.0



#44

2,4,5-Trichlorophenol

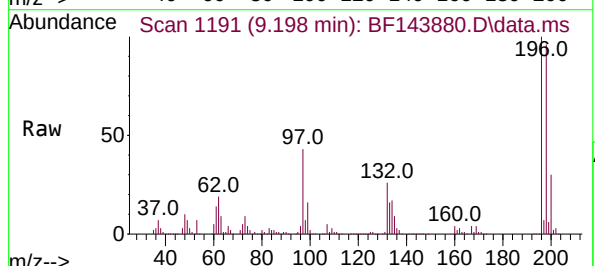
Concen: 47.031 ng

RT: 9.198 min Scan# 1191

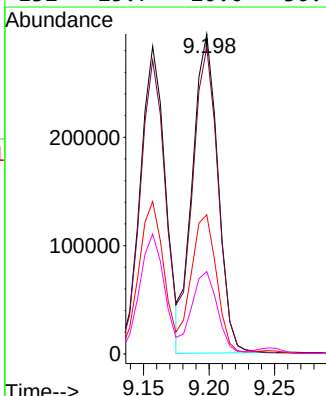
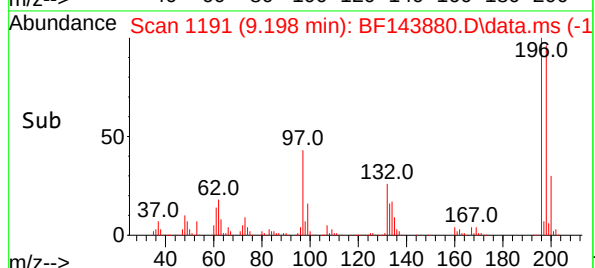
Delta R.T. -0.006 min

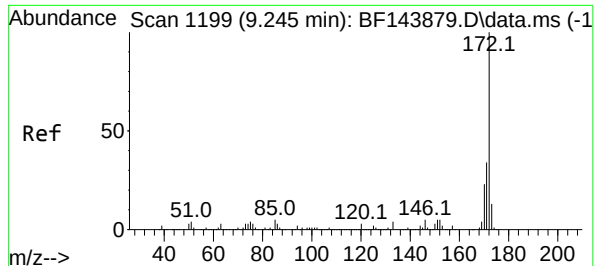
Lab File: BF143880.D

Acq: 06 Oct 2025 13:23



Tgt Ion:196	Resp: 395213
Ion Ratio	Lower Upper
196	100
198	95.8 75.5 113.3
97	43.5 33.9 50.9
132	25.7 20.0 30.0





#45

2-Fluorobiphenyl

Concen: 78.050 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

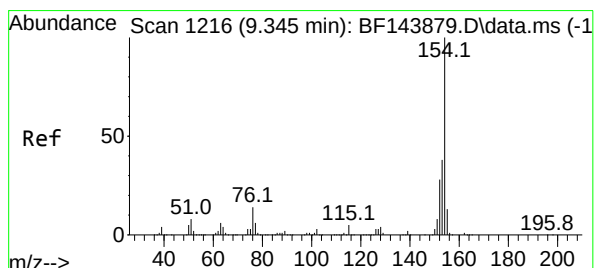
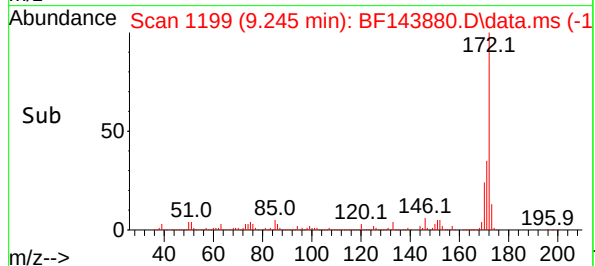
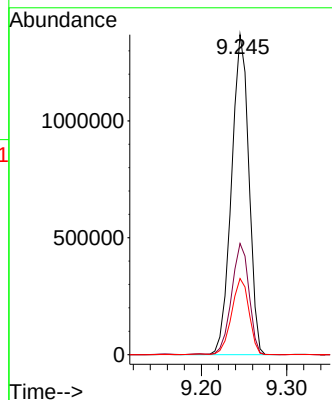
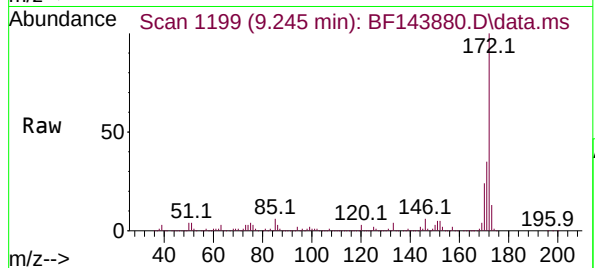
Tgt Ion:172 Resp: 1936883

Ion Ratio Lower Upper

172 100

171 34.7 27.4 41.0

170 23.8 18.6 28.0



#46

1,1'-Biphenyl

Concen: 42.837 ng

RT: 9.351 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

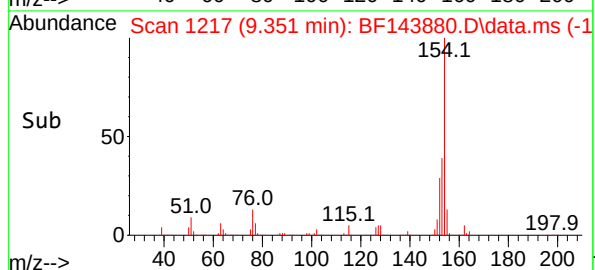
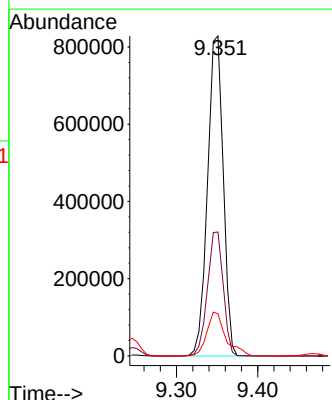
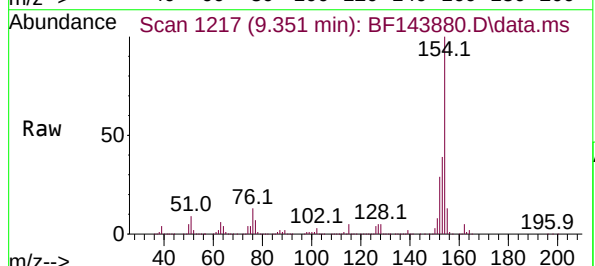
Tgt Ion:154 Resp: 1116775

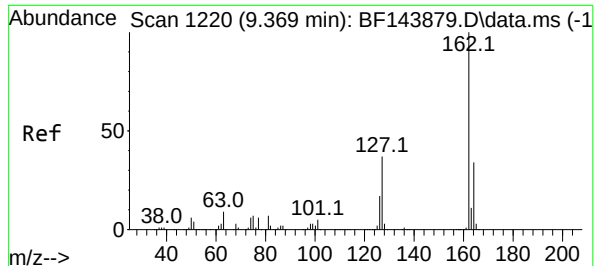
Ion Ratio Lower Upper

154 100

153 38.7 18.4 58.4

76 13.2 0.0 34.0





#47

2-Chloronaphthalene

Concen: 44.748 ng

RT: 9.375 min Scan# 1221

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

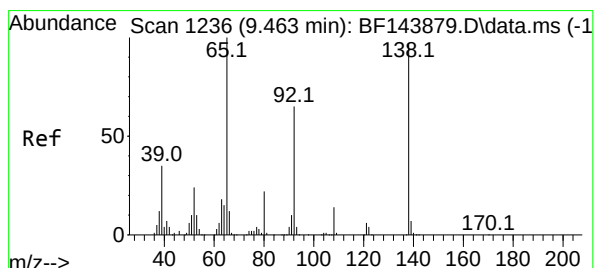
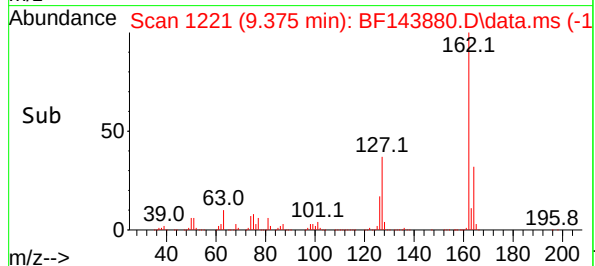
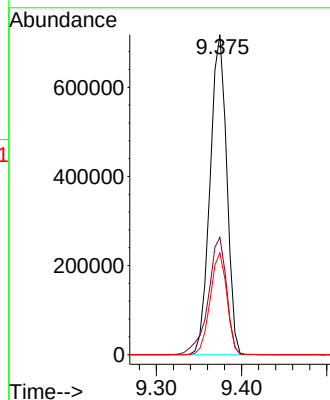
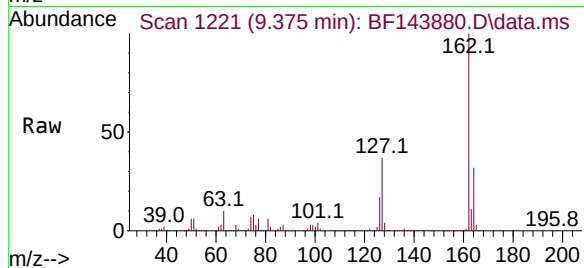
Tgt Ion:162 Resp: 972675

Ion Ratio Lower Upper

162 100

127 36.7 30.2 45.2

164 31.8 26.9 40.3



#48

2-Nitroaniline

Concen: 50.665 ng

RT: 9.469 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

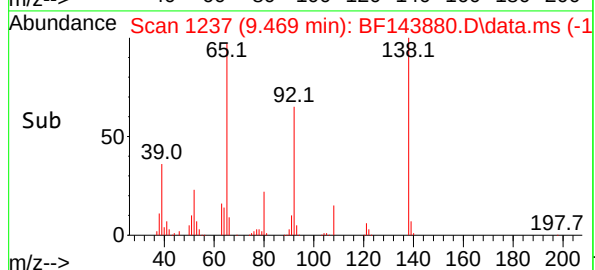
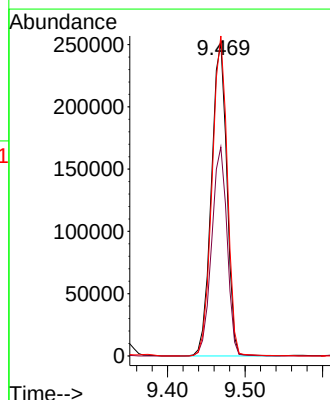
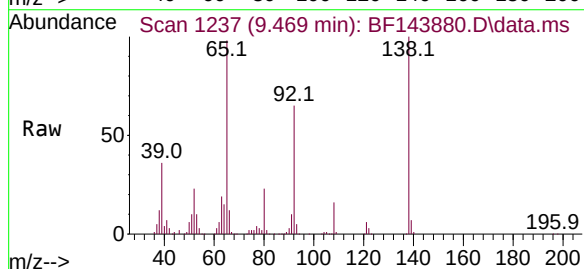
Tgt Ion: 65 Resp: 348179

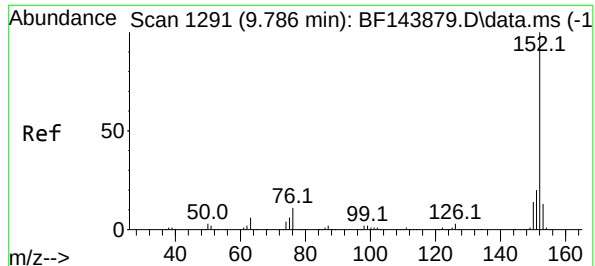
Ion Ratio Lower Upper

65 100

92 66.8 52.1 78.1

138 102.3 77.4 116.2





#49

Acenaphthylene

Concen: 44.642 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

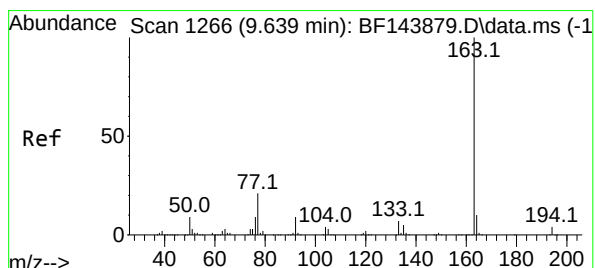
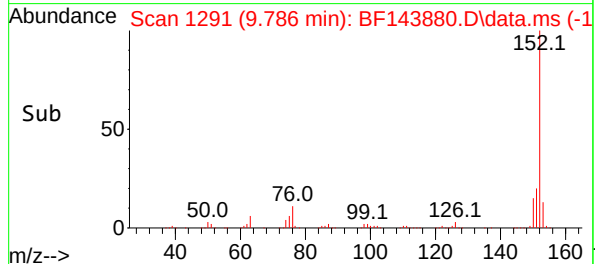
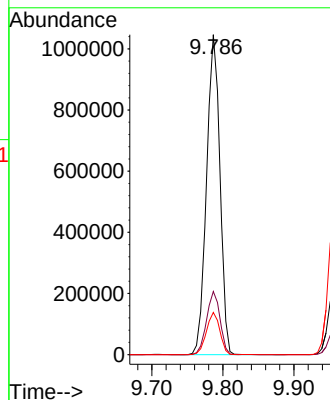
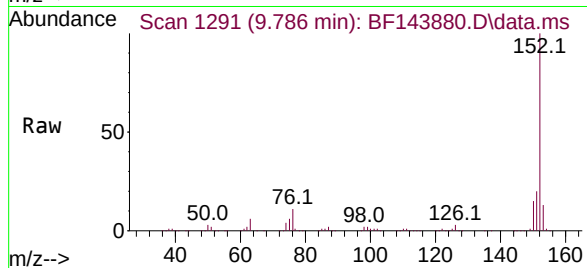
Tgt Ion:152 Resp: 1364193

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 13.2 10.5 15.7



#50

Dimethylphthalate

Concen: 45.888 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

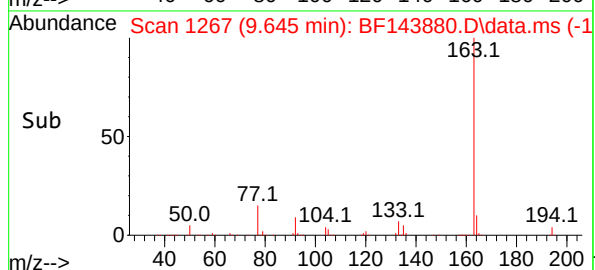
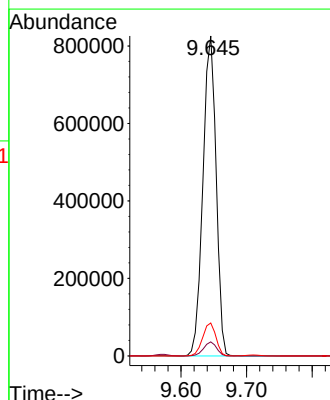
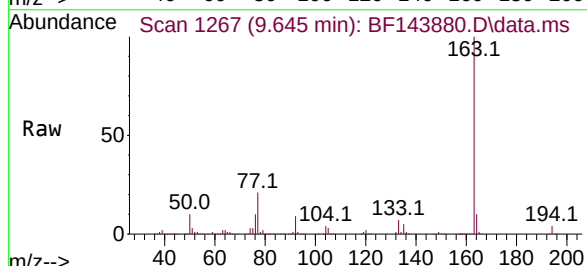
Tgt Ion:163 Resp: 1147448

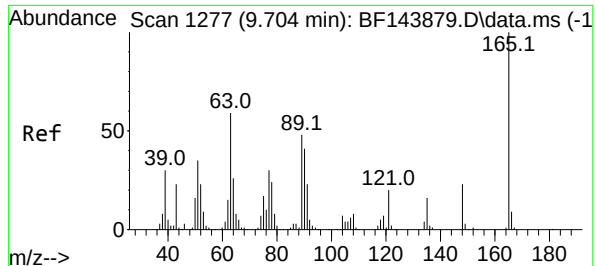
Ion Ratio Lower Upper

163 100

194 4.4 3.3 4.9

164 10.3 8.1 12.1

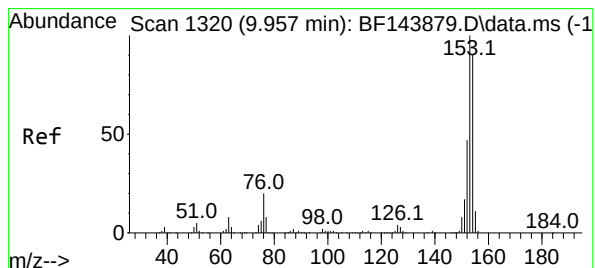
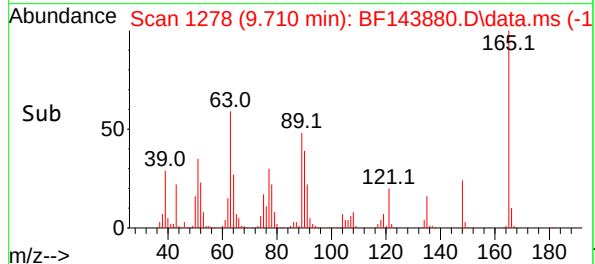
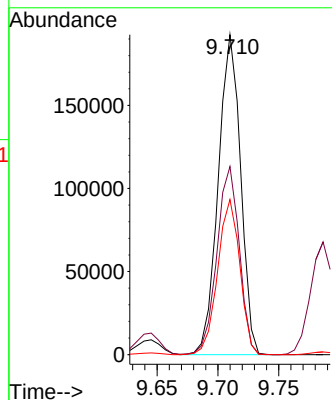
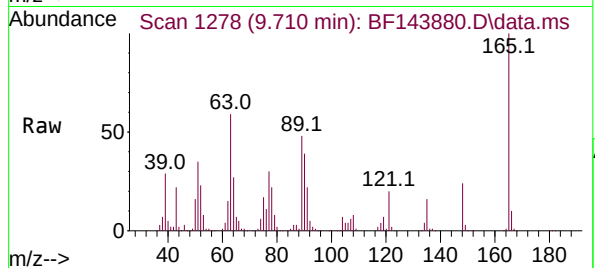




#51
2,6-Dinitrotoluene
Concen: 53.176 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

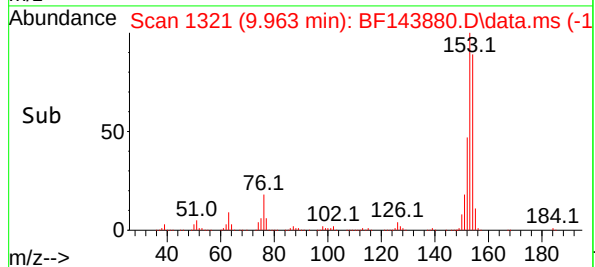
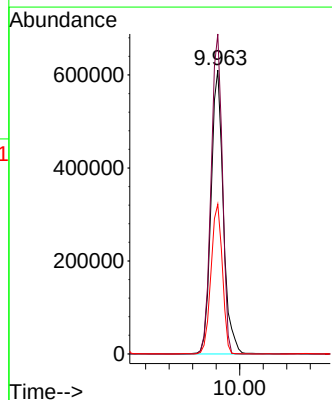
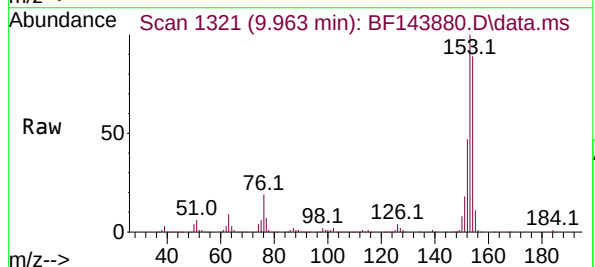
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

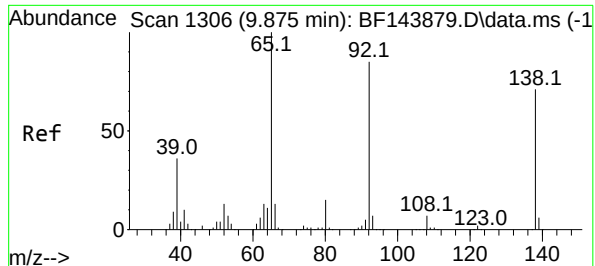
Tgt Ion:165 Resp: 246567
Ion Ratio Lower Upper
165 100
63 58.8 47.3 70.9
89 48.5 38.2 57.4



#52
Acenaphthene
Concen: 44.122 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:154 Resp: 883487
Ion Ratio Lower Upper
154 100
153 112.8 89.3 133.9
152 52.7 42.2 63.2

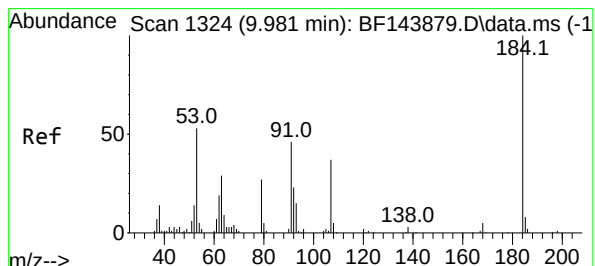
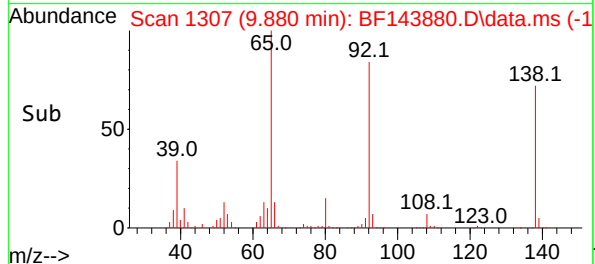
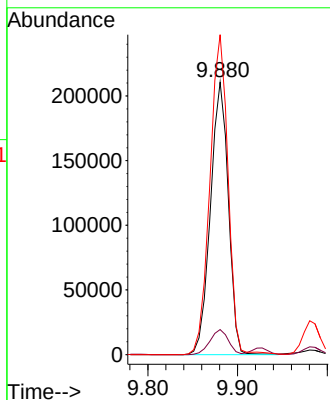
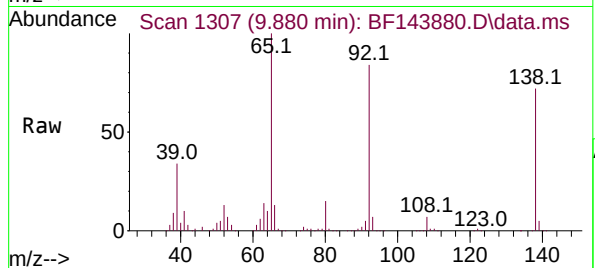




#53
3-Nitroaniline
Concen: 51.366 ng
RT: 9.880 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

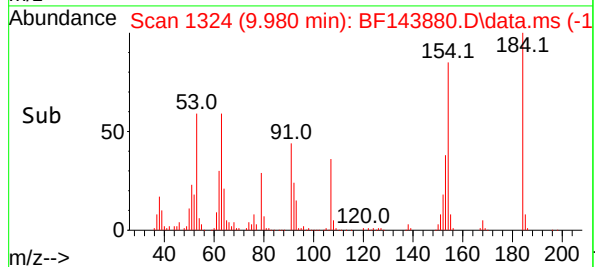
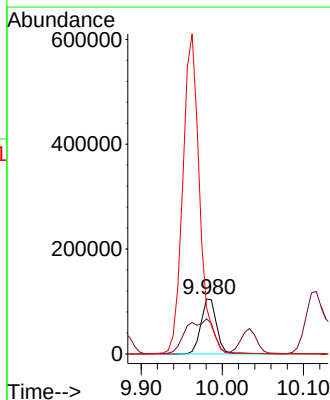
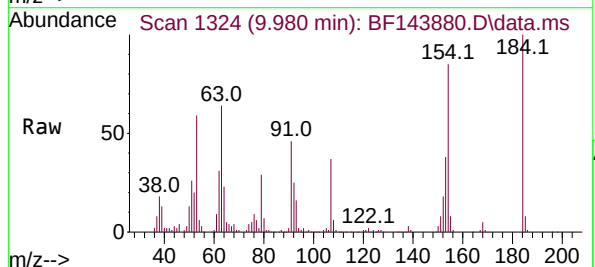
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

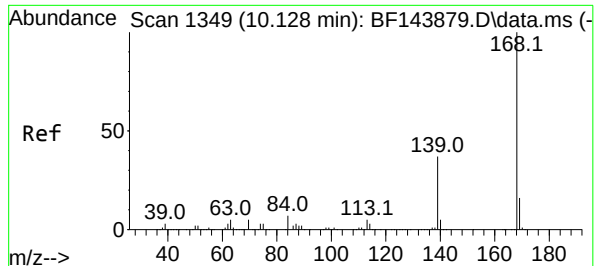
Tgt Ion:138 Resp: 291630
Ion Ratio Lower Upper
138 100
108 9.2 8.3 12.5
92 117.5 96.2 144.2



#54
2,4-Dinitrophenol
Concen: 51.801 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:184 Resp: 140496
Ion Ratio Lower Upper
184 100
63 64.1 48.2 72.4
154 84.8 49.2 73.8#





#55

Dibenzenofuran

Concen: 43.625 ng

RT: 10.133 min Scan# 1349

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

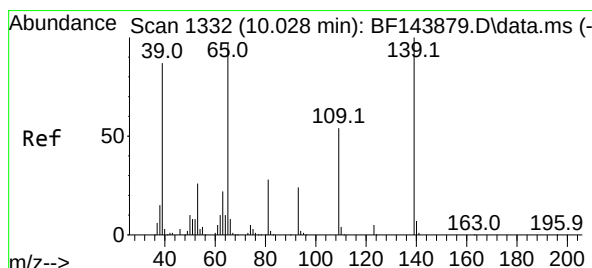
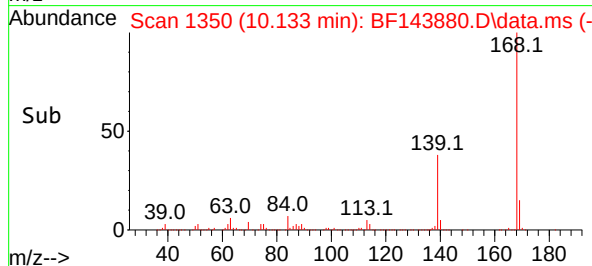
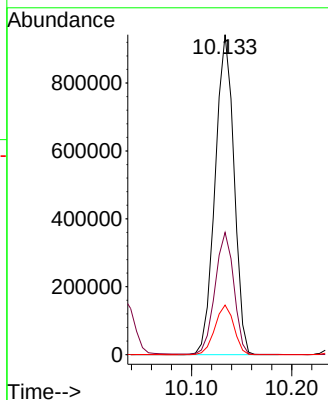
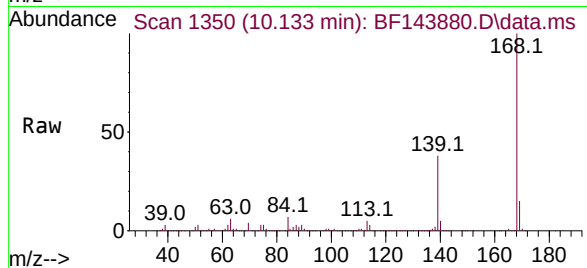
Tgt Ion:168 Resp: 1233091

Ion Ratio Lower Upper

168 100

139 38.2 29.8 44.8

169 15.5 12.8 19.2



#56

4-Nitrophenol

Concen: 52.750 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

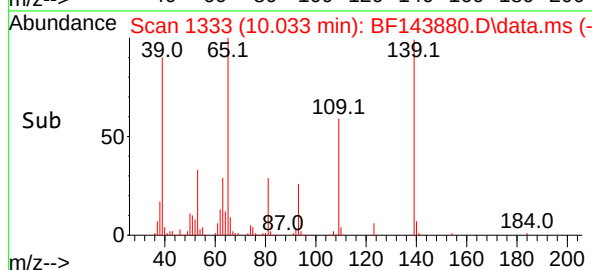
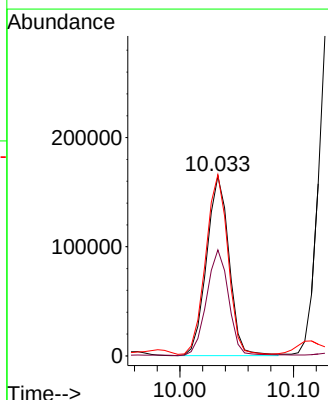
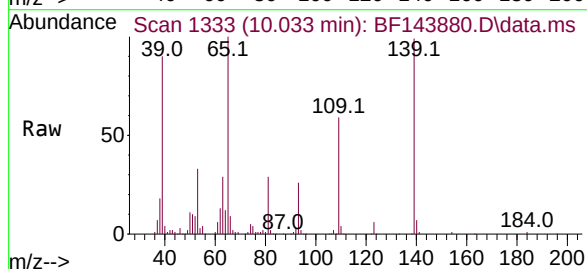
Tgt Ion:139 Resp: 226765

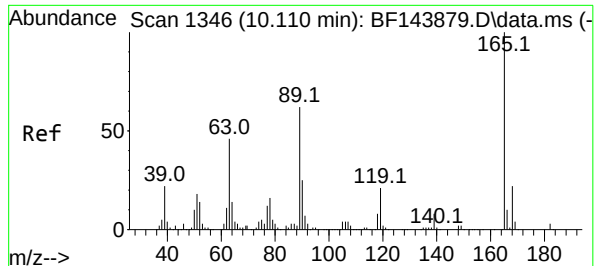
Ion Ratio Lower Upper

139 100

109 59.0 34.5 74.5

65 100.7 77.6 117.6





#57

2,4-Dinitrotoluene

Concen: 52.304 ng

RT: 10.116 min Scan# 1346

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:165 Resp: 329984

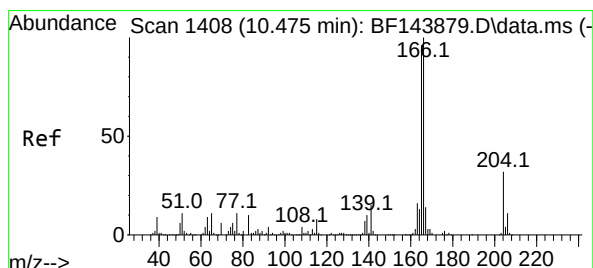
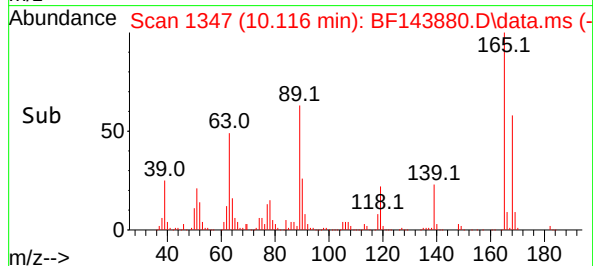
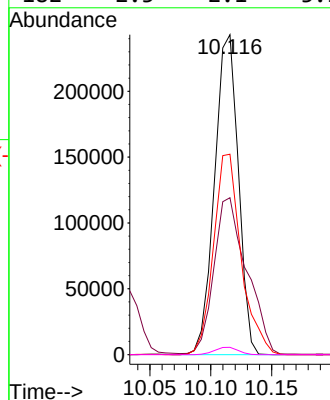
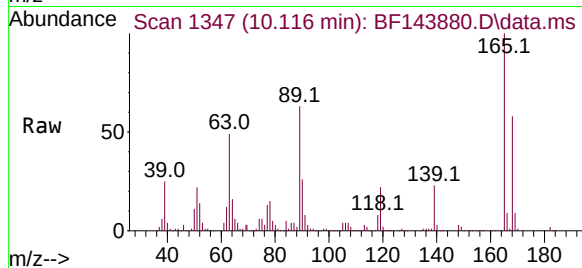
Ion Ratio Lower Upper

165 100

63 49.0 37.2 55.8

89 62.6 49.4 74.2

182 2.3 2.1 3.1



#58

Fluorene

Concen: 41.398 ng

RT: 10.480 min Scan# 1409

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

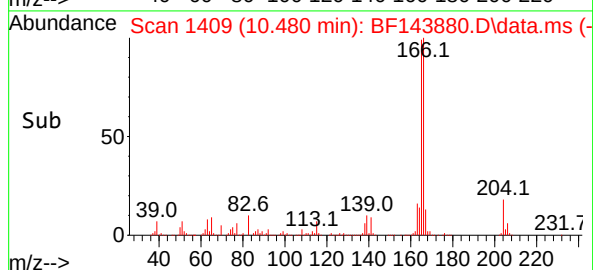
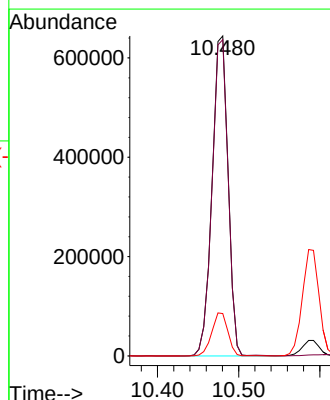
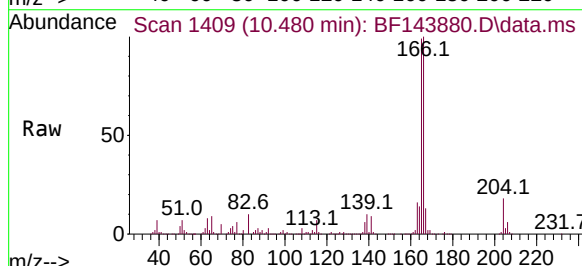
Tgt Ion:166 Resp: 882946

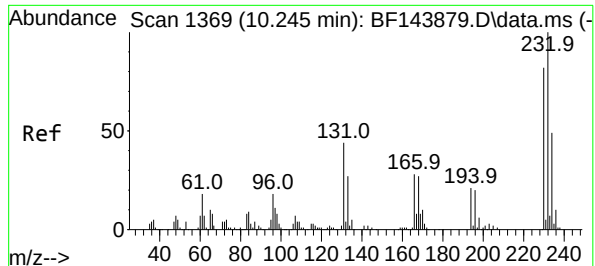
Ion Ratio Lower Upper

166 100

165 98.8 77.0 115.6

167 13.2 11.1 16.7

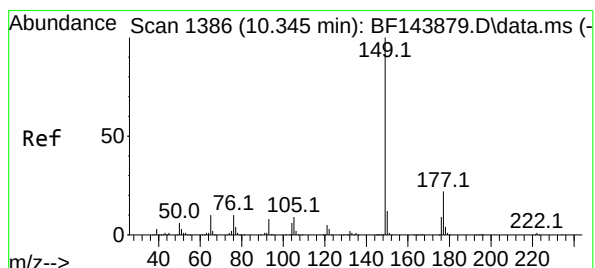
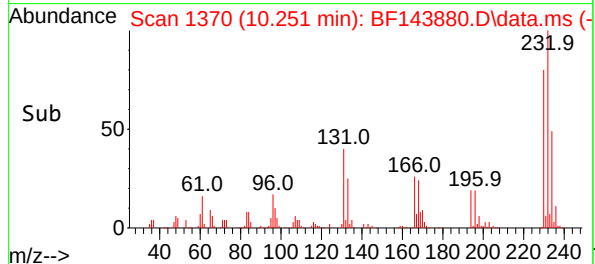
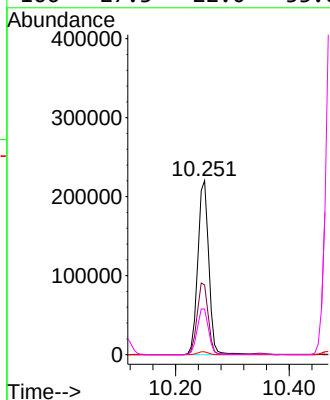
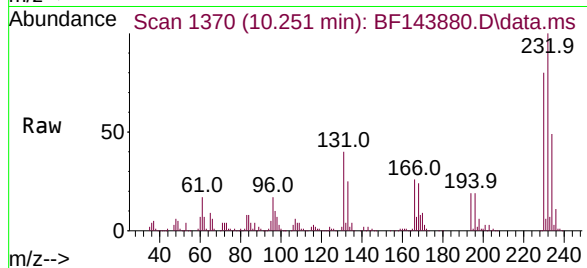




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.591 ng
RT: 10.251 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

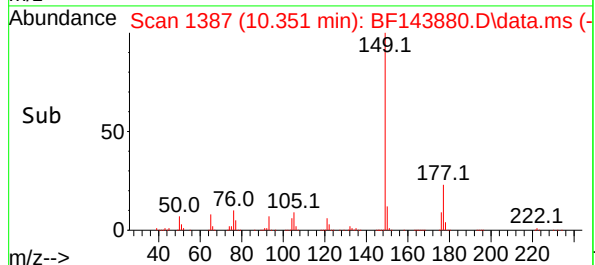
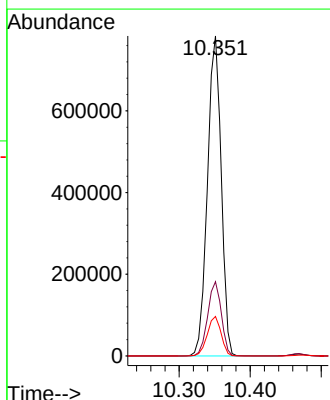
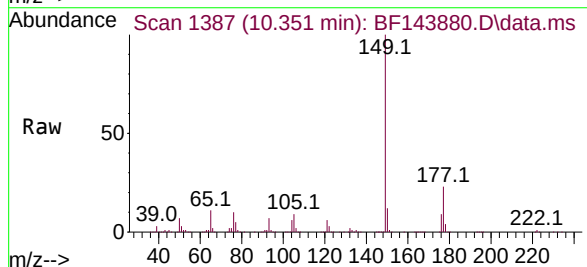
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

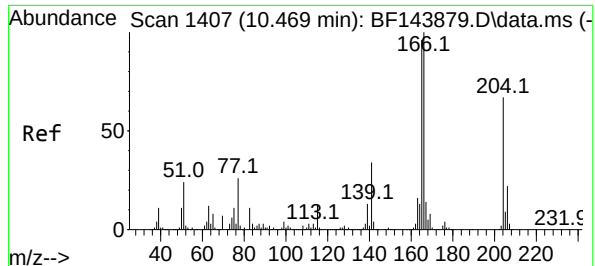
Tgt Ion:232 Resp: 294987
Ion Ratio Lower Upper
232 100
131 41.7 34.9 52.3
130 1.6 1.6 2.4#
166 27.3 22.0 33.0



#60
Diethylphthalate
Concen: 45.330 ng
RT: 10.351 min Scan# 1387
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:149 Resp: 1053032
Ion Ratio Lower Upper
149 100
177 23.2 17.9 26.9
150 12.3 9.8 14.8

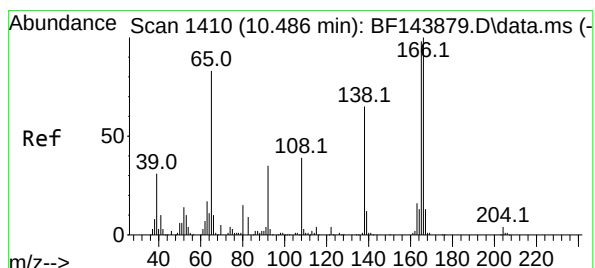
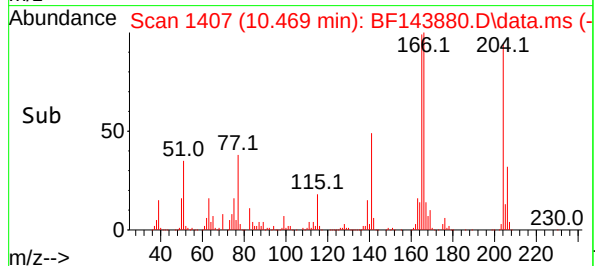
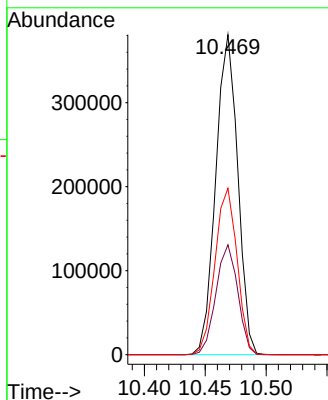
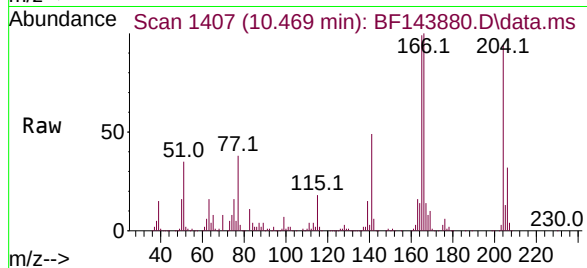




#61
4-Chlorophenyl-phenylether
Concen: 42.311 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

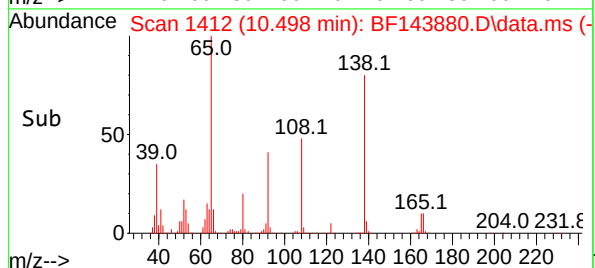
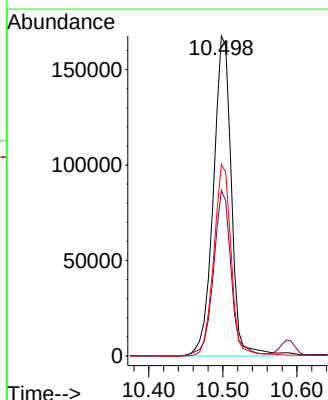
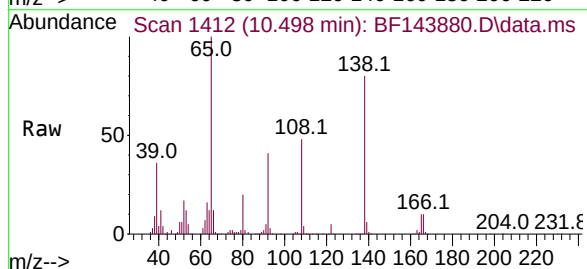
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

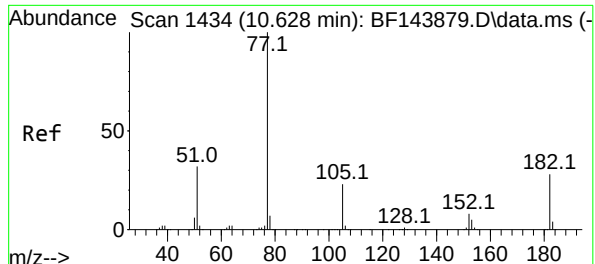
Tgt Ion:204 Resp: 477108
Ion Ratio Lower Upper
204 100
206 34.3 26.6 40.0
141 52.0 40.4 60.6



#62
4-Nitroaniline
Concen: 51.782 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:138 Resp: 282713
Ion Ratio Lower Upper
138 100
92 51.7 33.9 73.9
108 59.8 40.2 80.2

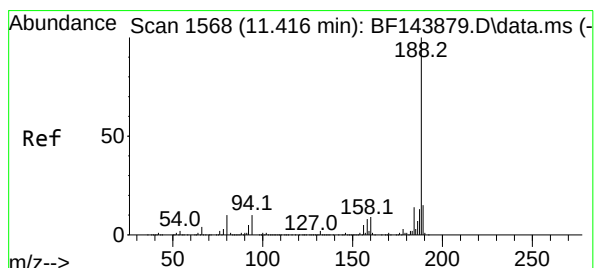
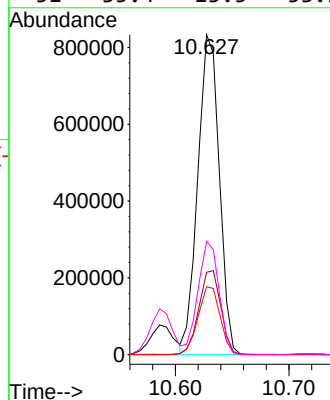
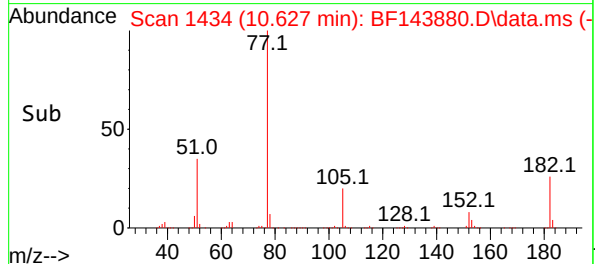
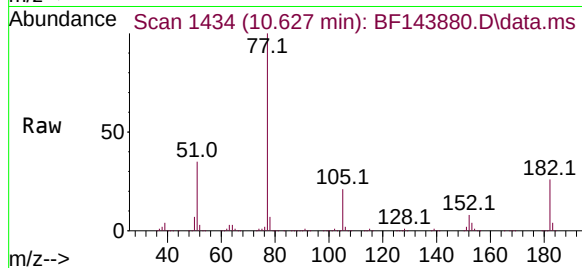




#63
Azobenzene
Concen: 45.178 ng
RT: 10.627 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

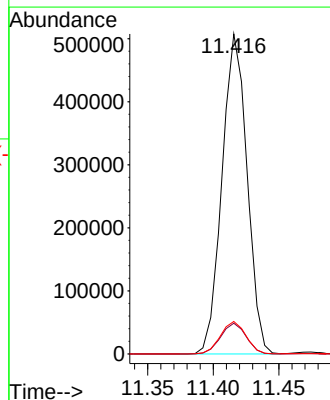
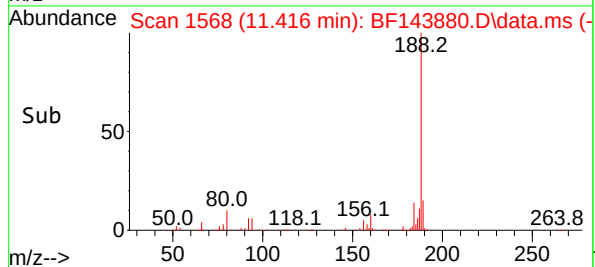
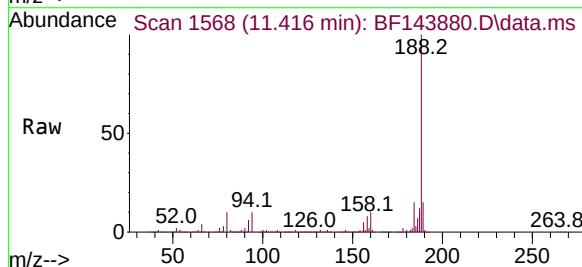
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

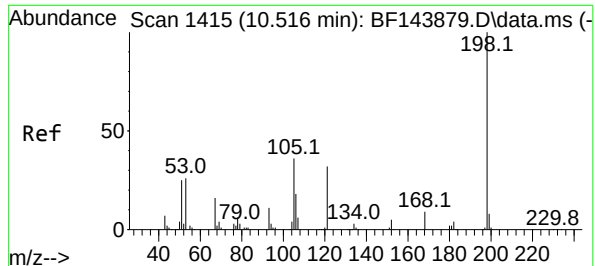
Tgt Ion: 77 Resp: 1096875
Ion Ratio Lower Upper
77 100
182 25.7 7.3 47.3
105 21.2 3.0 43.0
51 35.4 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 188 Resp: 674807
Ion Ratio Lower Upper
188 100
94 9.6 7.8 11.6
80 10.1 7.9 11.9

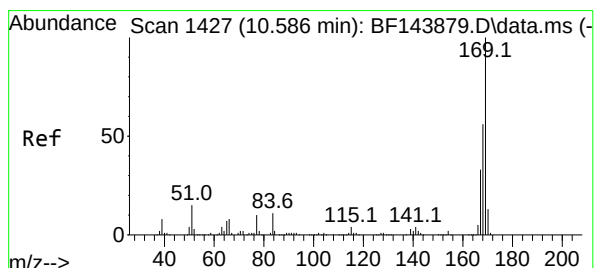
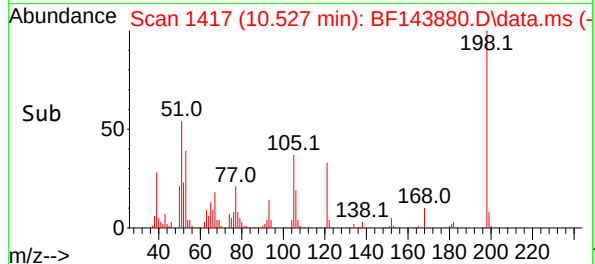
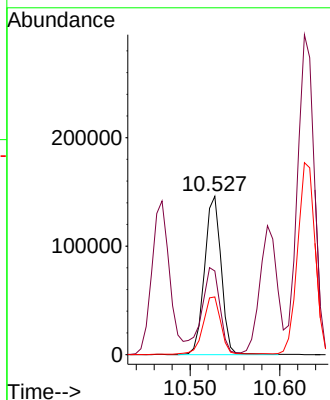
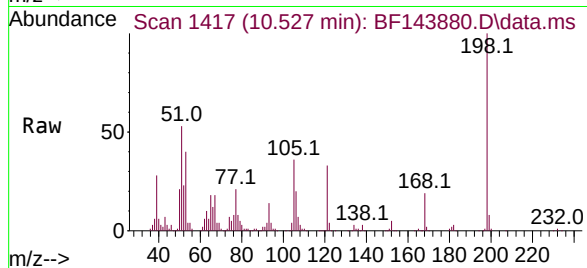




#65
4,6-Dinitro-2-methylphenol
Concen: 55.558 ng
RT: 10.527 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

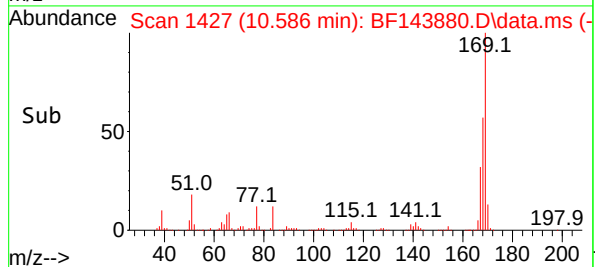
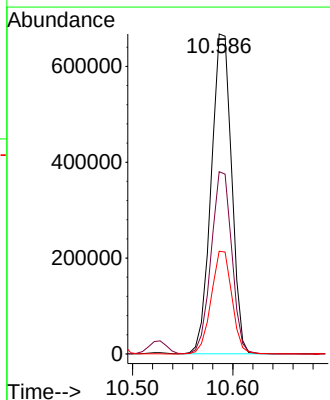
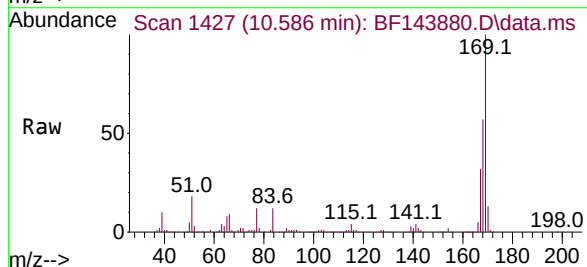
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

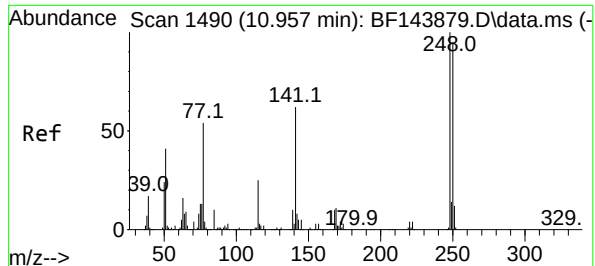
Tgt Ion:198 Resp: 188400
Ion Ratio Lower Upper
198 100
51 52.8 33.8 73.8
105 36.4 17.0 57.0



#66
n-Nitrosodiphenylamine
Concen: 44.552 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:169 Resp: 943991
Ion Ratio Lower Upper
169 100
168 56.9 44.9 67.3
167 32.1 26.3 39.5

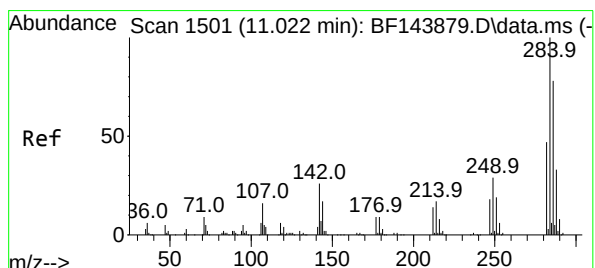
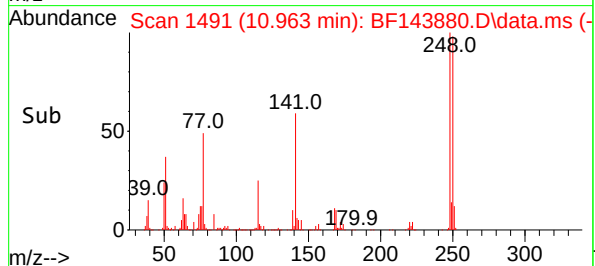
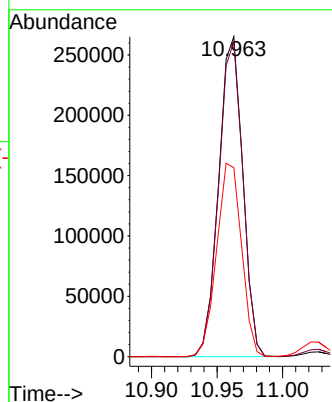
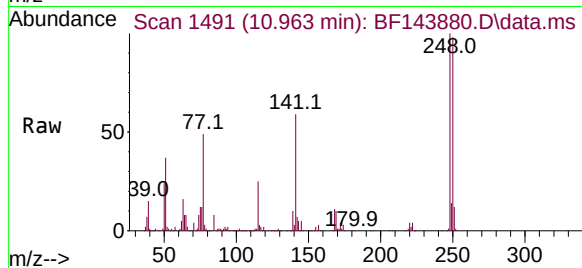




#67
4-Bromophenyl-phenylether
Concen: 45.566 ng
RT: 10.963 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

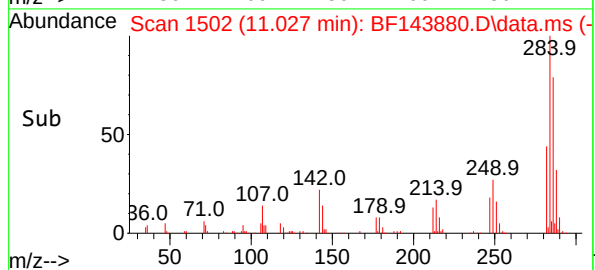
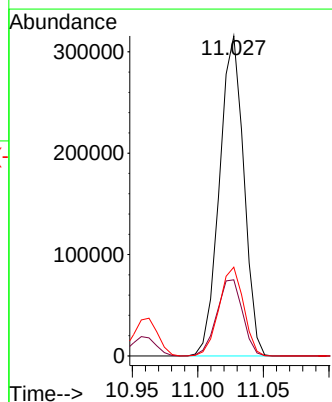
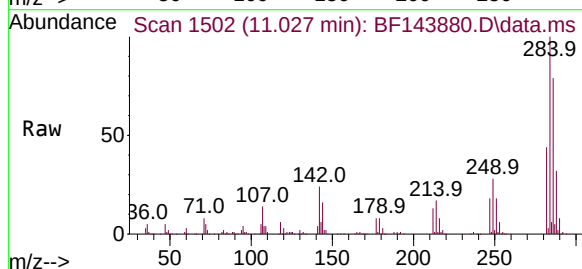
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

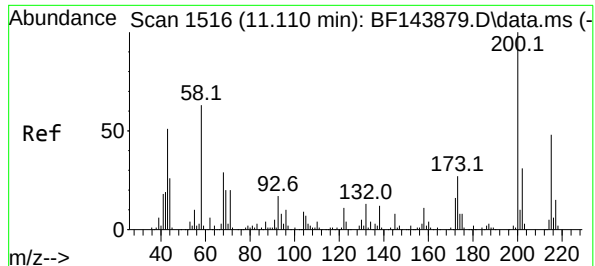
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.4	76.3	114.5
141	59.1	49.7	74.5



#68
Hexachlorobenzene
Concen: 47.211 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	23.8	20.6	30.8
249	27.7	23.2	34.8





#69

Atrazine

Concen: 48.240 ng

RT: 11.116 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

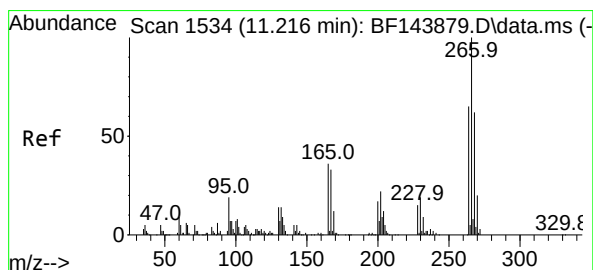
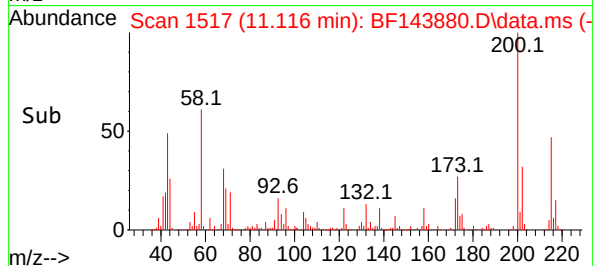
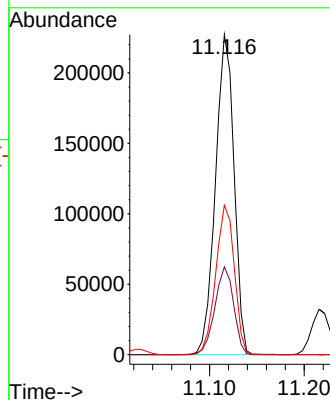
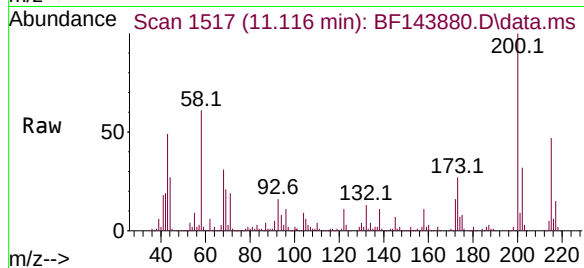
Tgt Ion:200 Resp: 309799

Ion Ratio Lower Upper

200 100

173 27.5 7.0 47.0

215 46.7 27.8 67.8



#70

Pentachlorophenol

Concen: 52.304 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

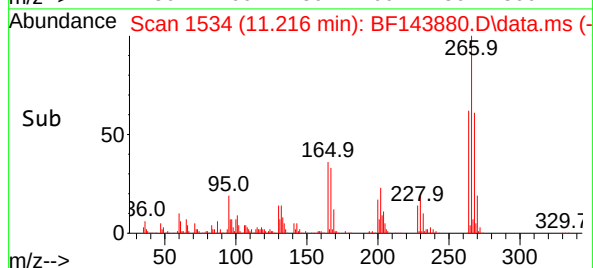
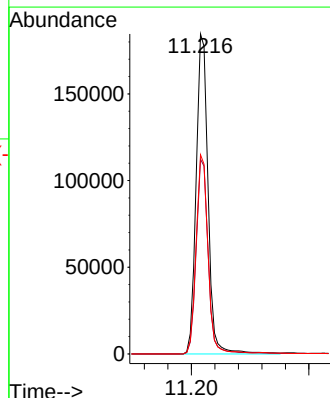
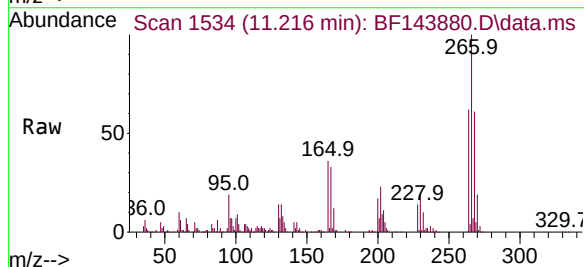
Tgt Ion:266 Resp: 259359

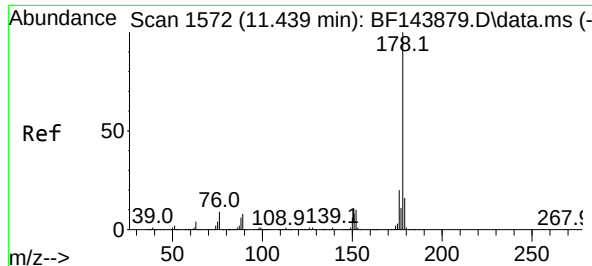
Ion Ratio Lower Upper

266 100

268 60.8 49.4 74.0

264 62.2 51.8 77.6

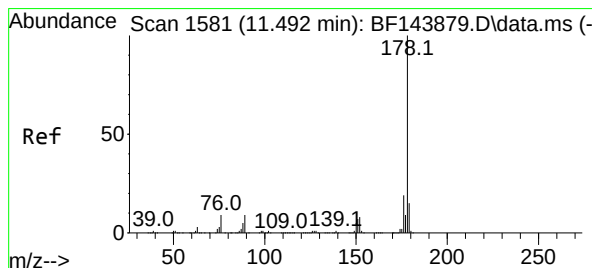
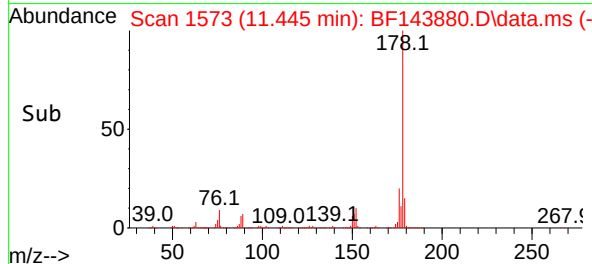
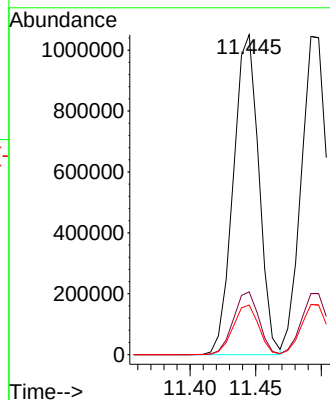
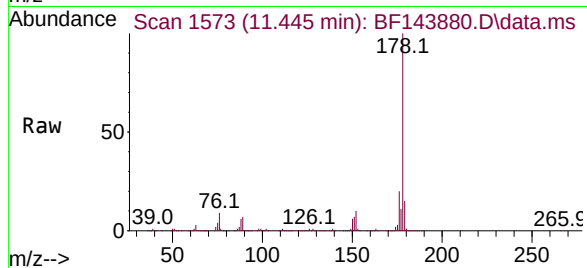




#71
Phenanthrene
Concen: 43.395 ng
RT: 11.445 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

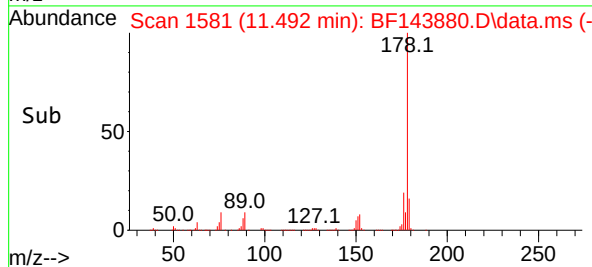
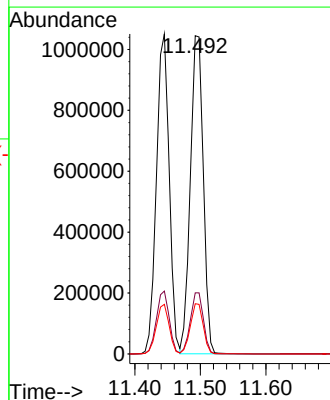
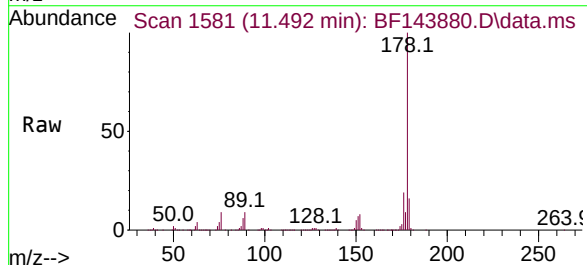
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

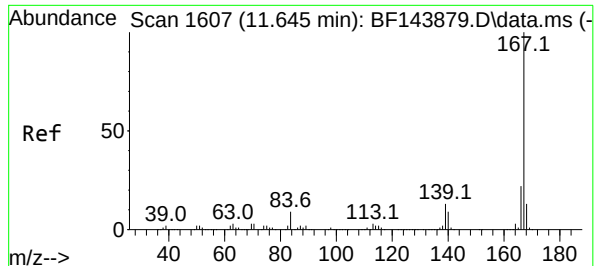
Tgt Ion:178 Resp: 1419666
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.5 12.4 18.6



#72
Anthracene
Concen: 43.583 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:178 Resp: 1440404
Ion Ratio Lower Upper
178 100
176 19.2 14.9 22.3
179 15.8 12.2 18.2

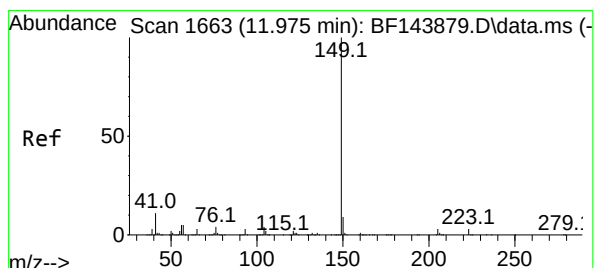
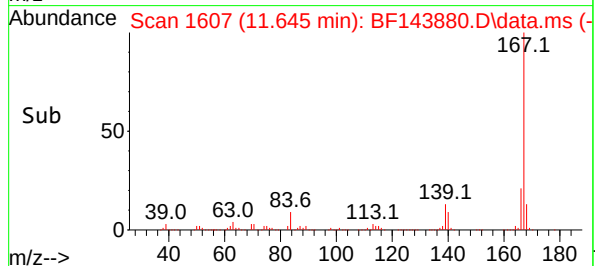
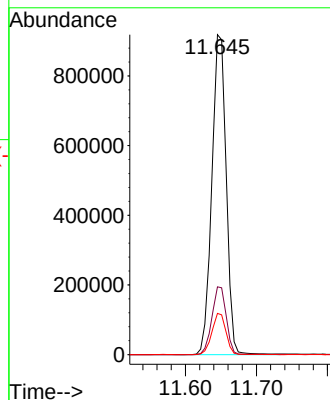
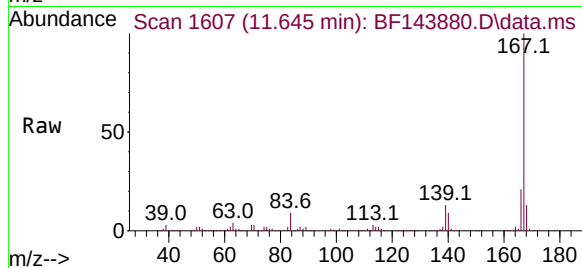




#73
Carbazole
Concen: 44.139 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

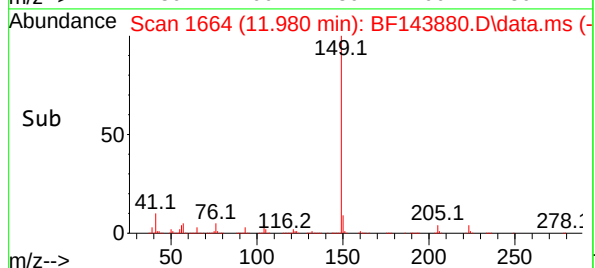
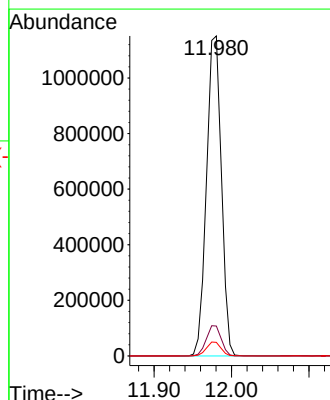
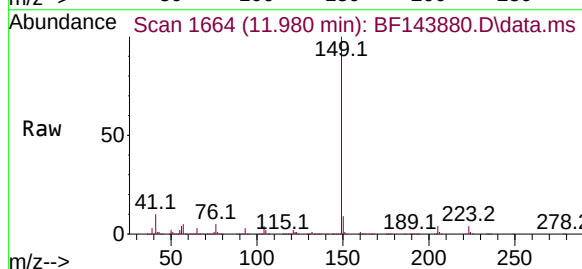
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

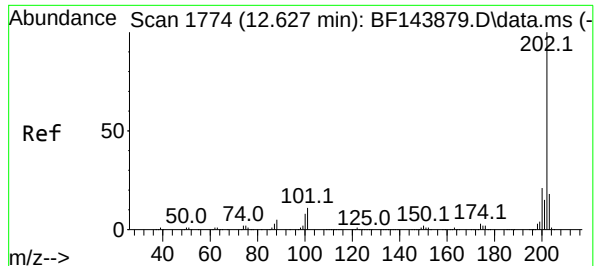
Tgt Ion:167 Resp: 1291982
Ion Ratio Lower Upper
167 100
166 21.2 17.2 25.8
139 12.9 10.1 15.1



#74
Di-n-butylphthalate
Concen: 45.246 ng
RT: 11.980 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:149 Resp: 1534951
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.2 3.4 5.2

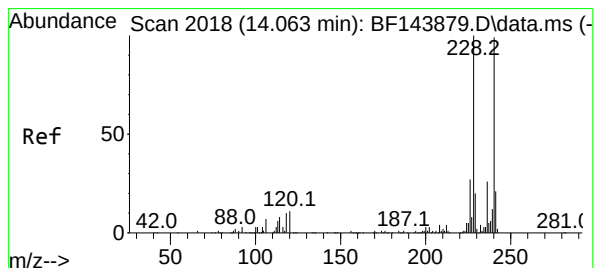
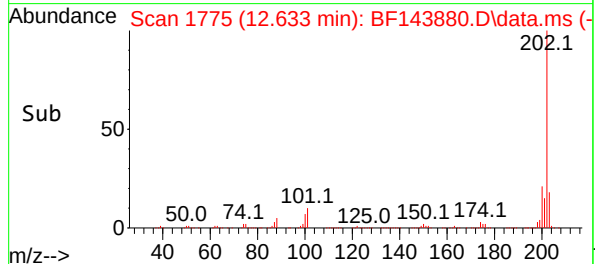
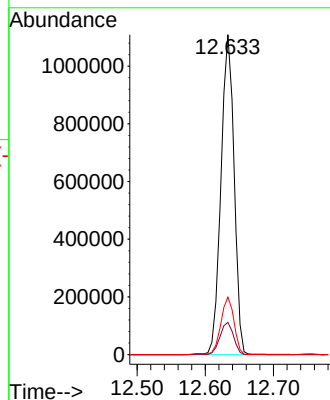
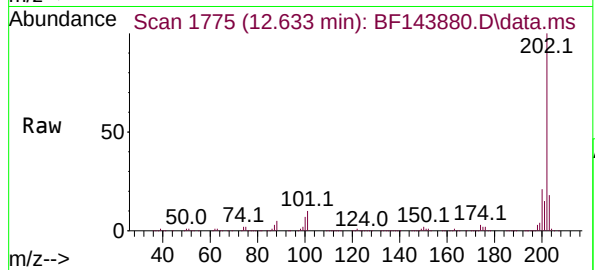




#75
Fluoranthene
Concen: 43.744 ng
RT: 12.633 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

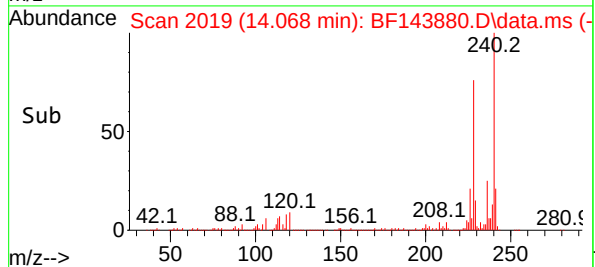
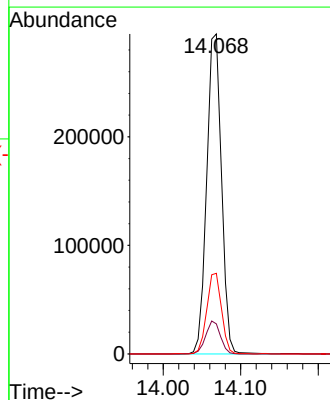
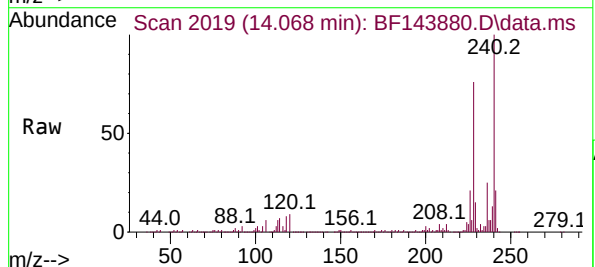
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

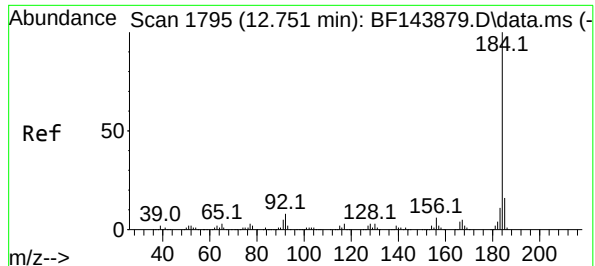
Tgt Ion:202 Resp: 1478181
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.7
203 18.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:240 Resp: 390779
Ion Ratio Lower Upper
240 100
120 9.4 8.6 13.0
236 25.2 21.1 31.7





#77

Benzidine

Concen: 46.882 ng

RT: 12.751 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

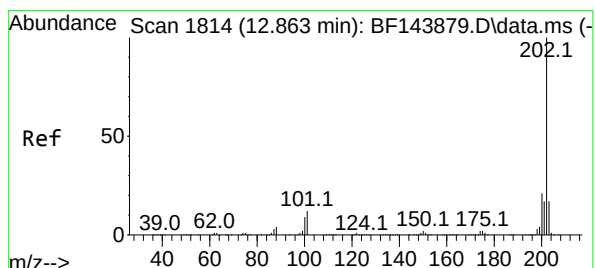
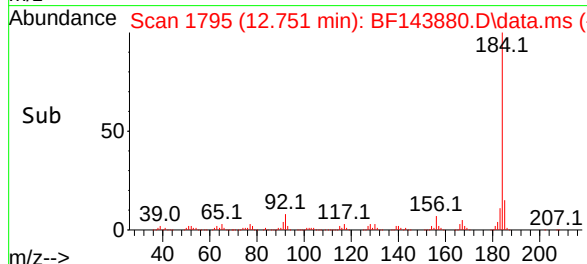
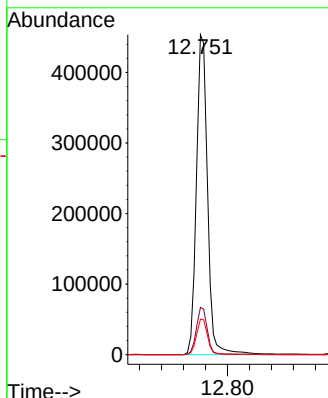
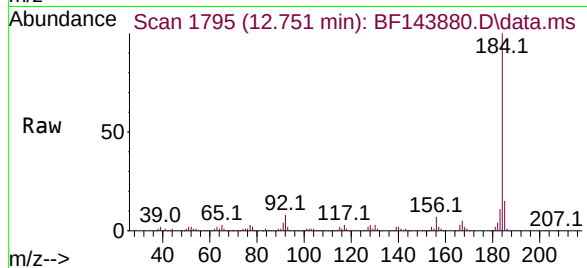
Tgt Ion:184 Resp: 636126

Ion Ratio Lower Upper

184 100

185 14.8 12.6 18.8

183 11.1 8.8 13.2



#78

Pyrene

Concen: 46.206 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

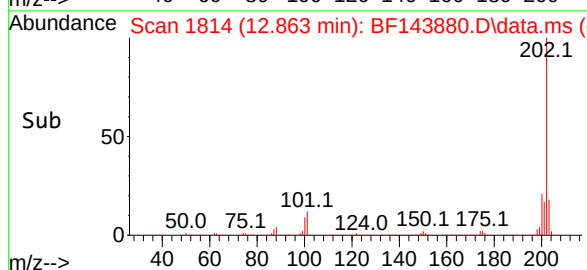
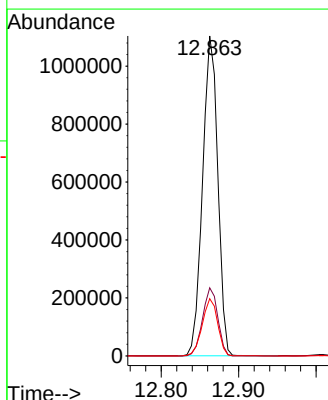
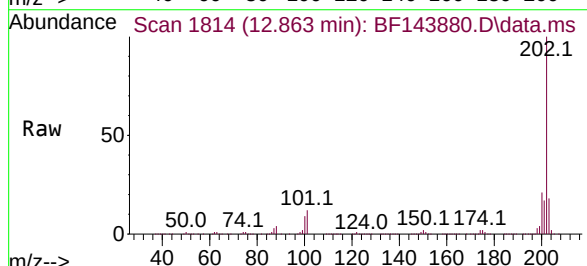
Tgt Ion:202 Resp: 1505326

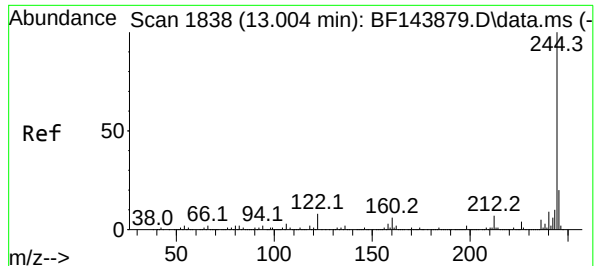
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

203 17.9 13.8 20.6





#79

Terphenyl-d14

Concen: 91.121 ng

RT: 13.010 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

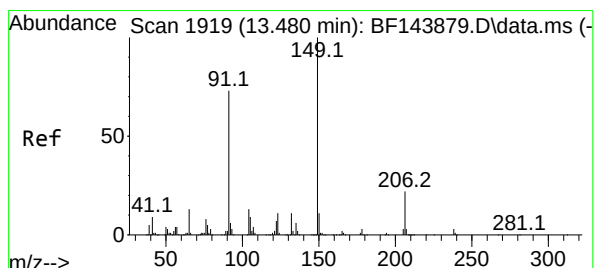
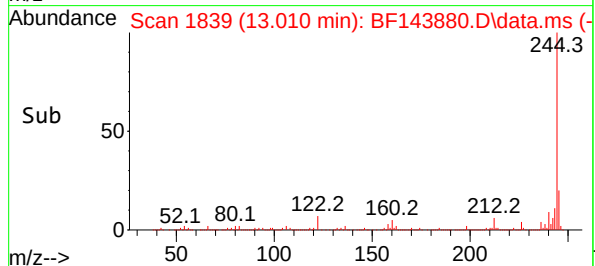
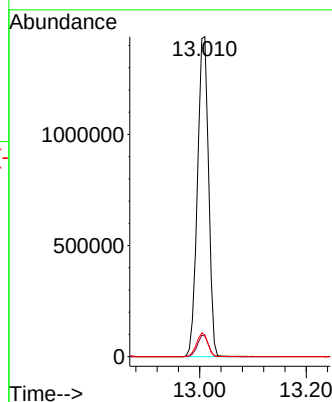
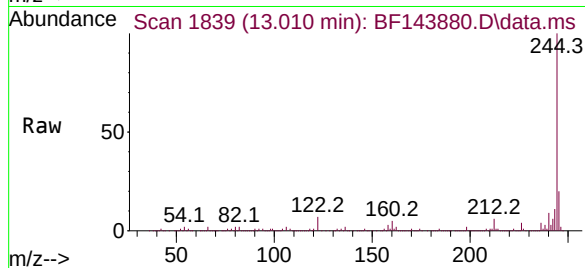
Tgt Ion:244 Resp: 2083463

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 6.8 6.4 9.6



#80

Butylbenzylphthalate

Concen: 50.352 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

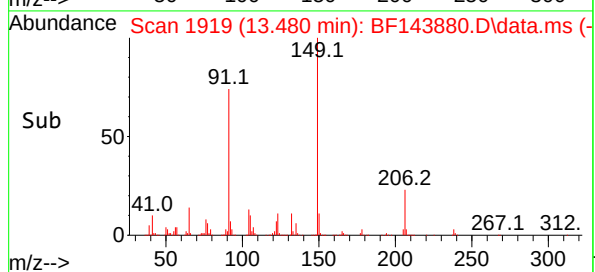
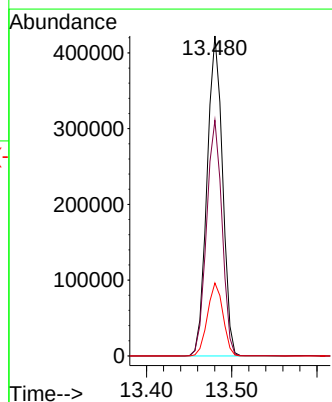
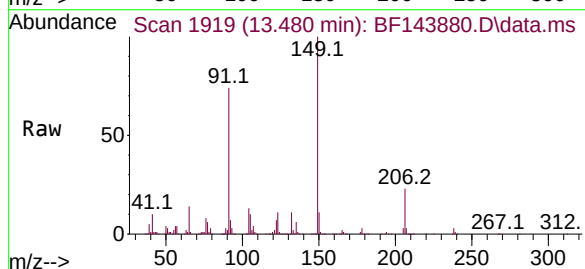
Tgt Ion:149 Resp: 532754

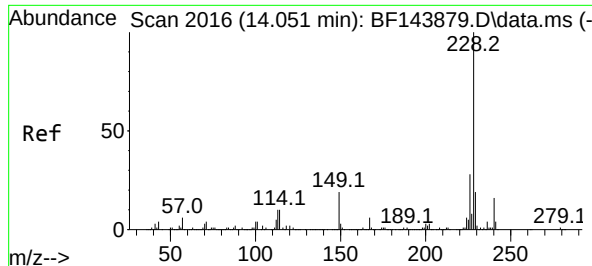
Ion Ratio Lower Upper

149 100

91 73.6 58.2 87.2

206 22.8 17.9 26.9

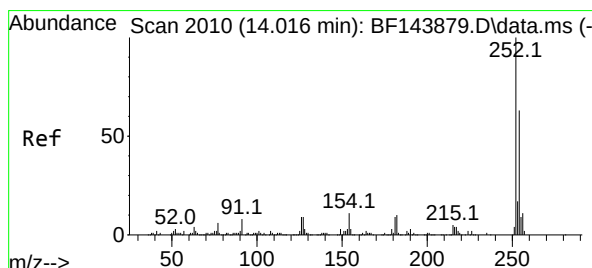
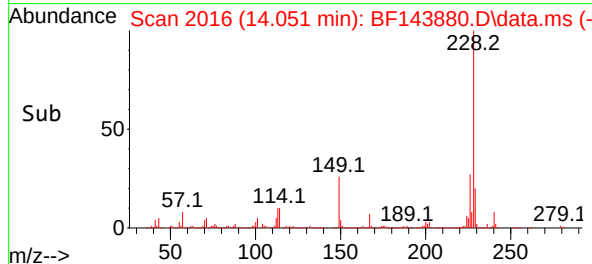
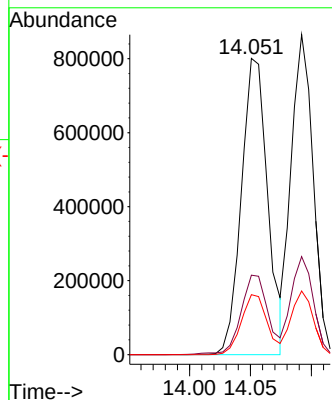
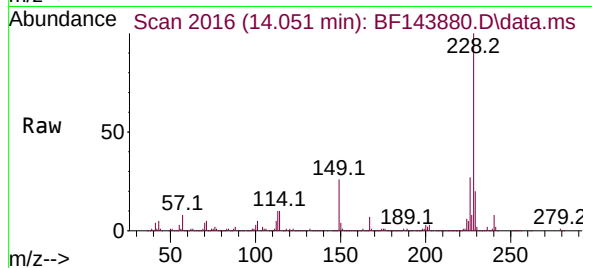




#81
Benzo(a)anthracene
Concen: 47.075 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

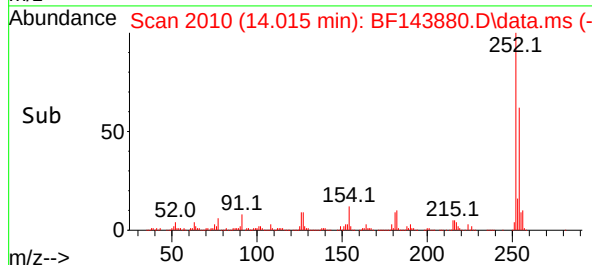
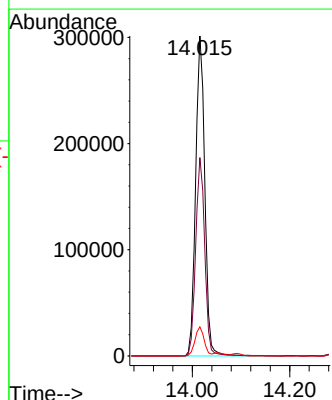
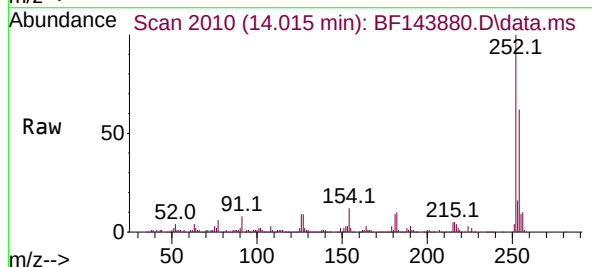
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

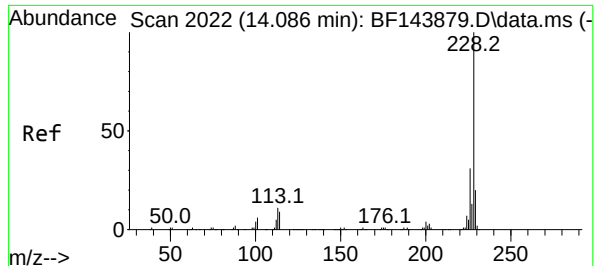
Tgt Ion:228 Resp: 1203843
Ion Ratio Lower Upper
228 100
226 26.8 22.2 33.2
229 20.2 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 50.214 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:252 Resp: 391334
Ion Ratio Lower Upper
252 100
254 62.0 50.6 76.0
126 9.1 7.0 10.6





#83

Chrysene

Concen: 46.065 ng

RT: 14.092 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

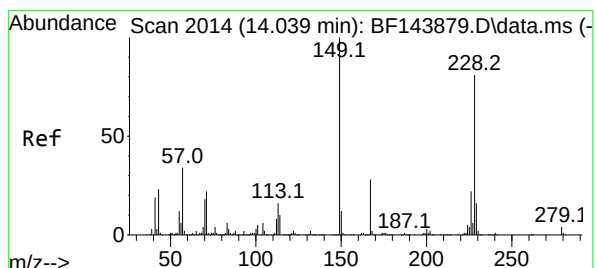
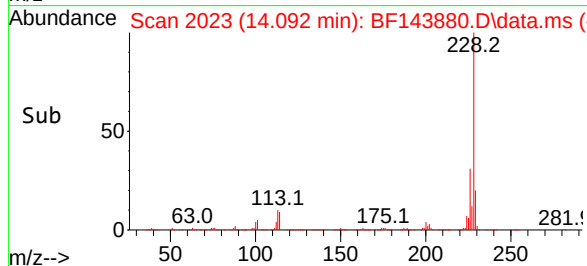
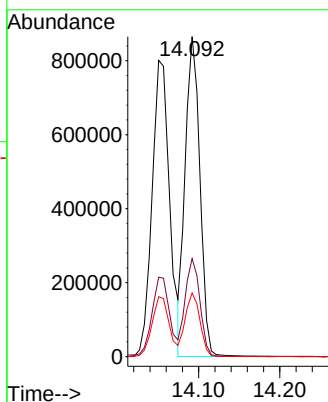
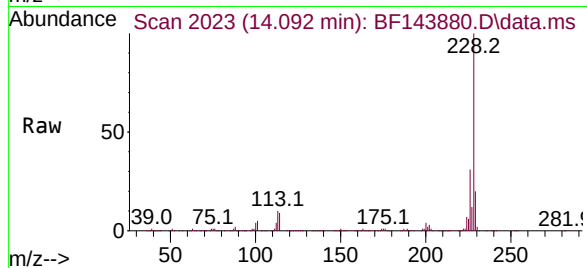
Tgt Ion:228 Resp: 1090275

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

229 19.9 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.146 ng

RT: 14.039 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

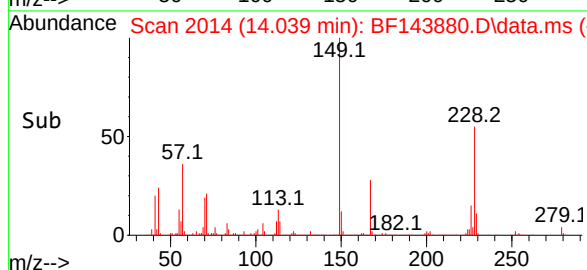
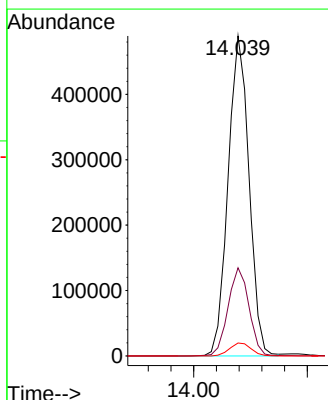
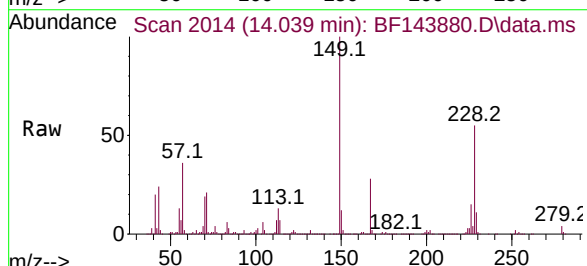
Tgt Ion:149 Resp: 626818

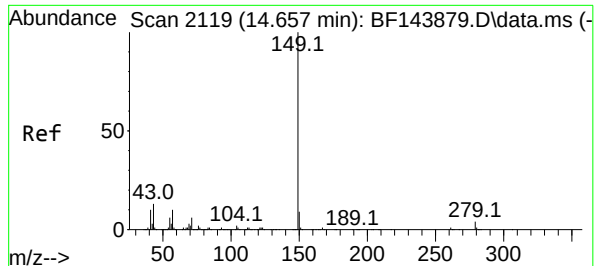
Ion Ratio Lower Upper

149 100

167 27.5 22.2 33.4

279 4.0 3.1 4.7

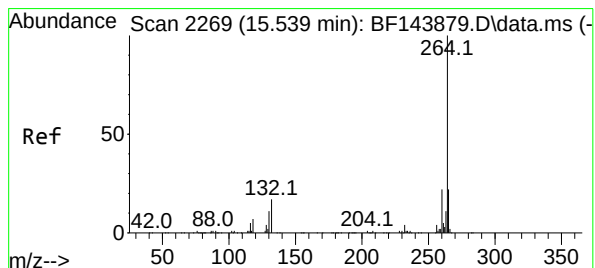
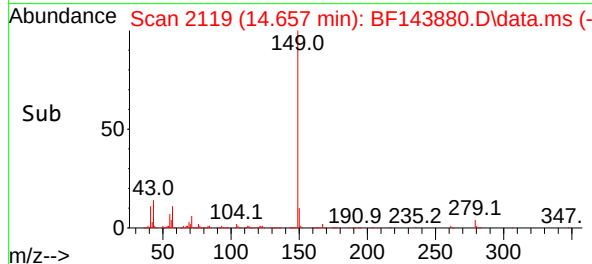
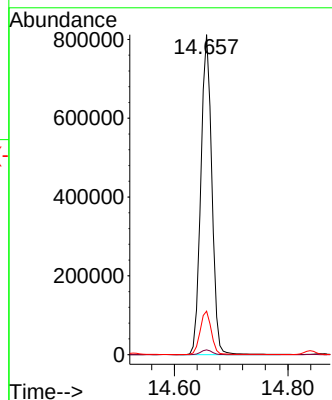
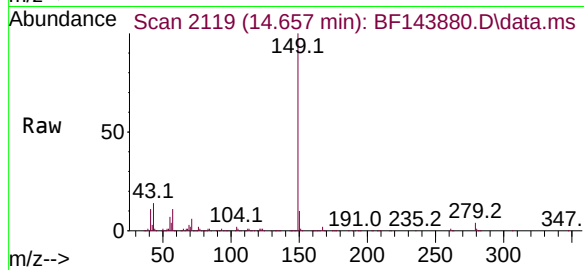




#85
Di-n-octyl phthalate
Concen: 51.691 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

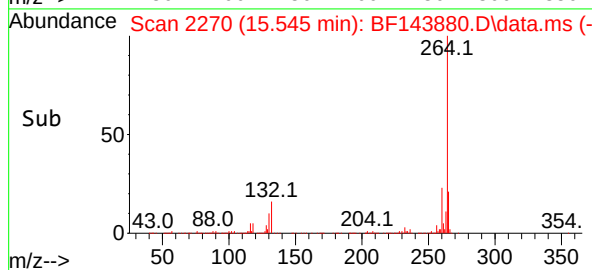
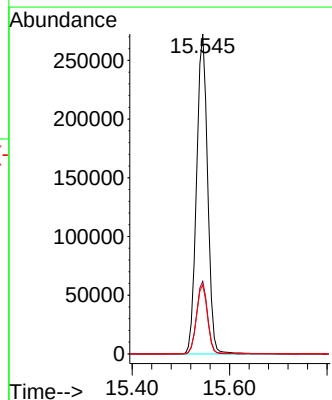
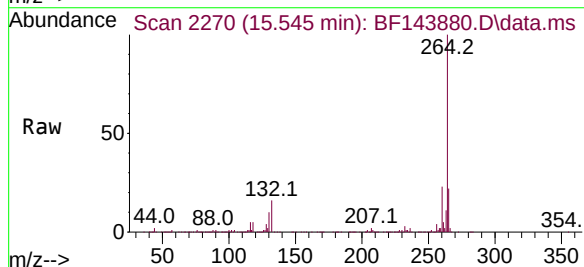
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

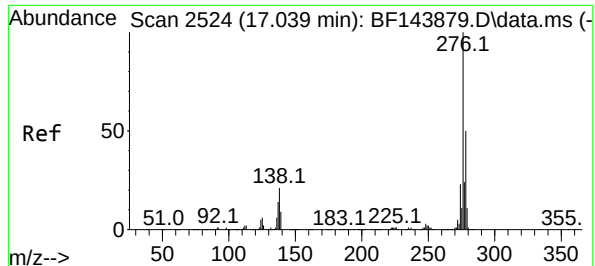
Tgt Ion:149 Resp: 1082833
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.9 11.0 16.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:264 Resp: 426414
Ion Ratio Lower Upper
264 100
260 22.7 17.8 26.8
265 21.6 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.373 ng

RT: 17.045 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

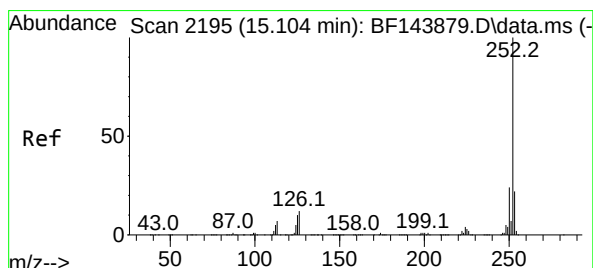
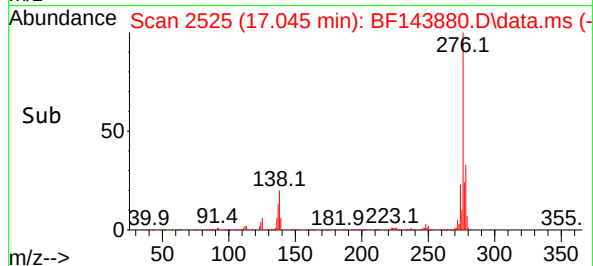
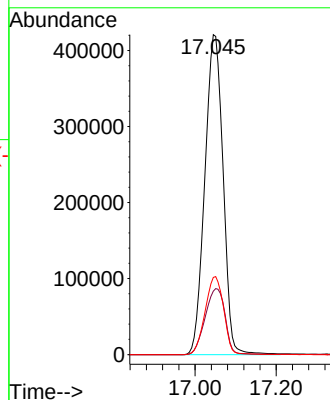
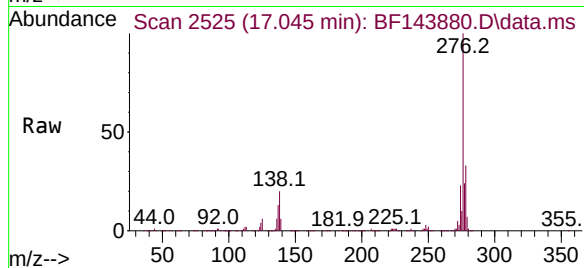
Tgt Ion:276 Resp: 1316167

Ion Ratio Lower Upper

276 100

138 22.6 18.2 27.2

277 24.8 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 47.652 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

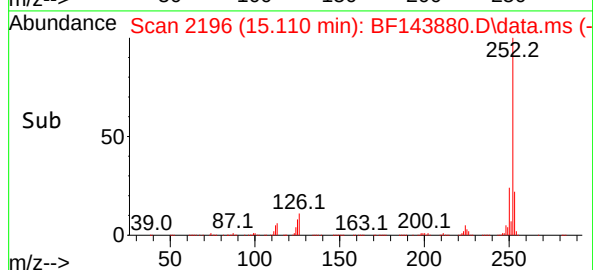
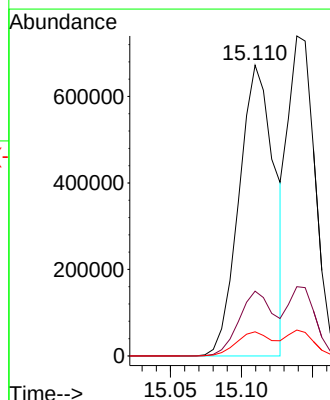
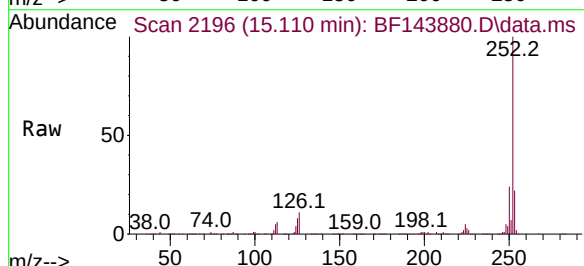
Tgt Ion:252 Resp: 1167220

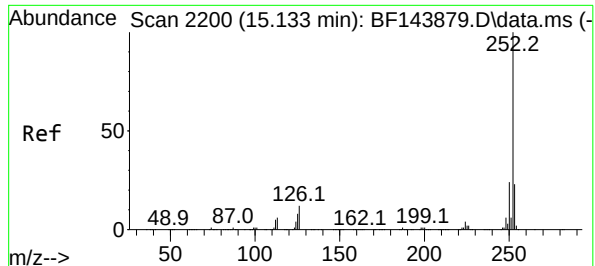
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 8.3 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 43.392 ng

RT: 15.139 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

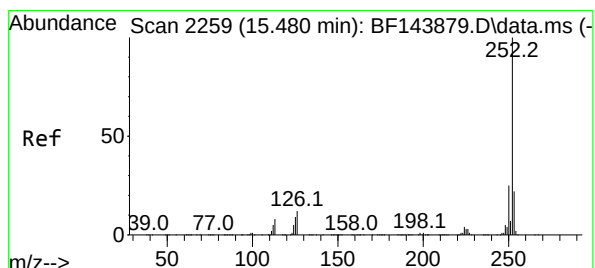
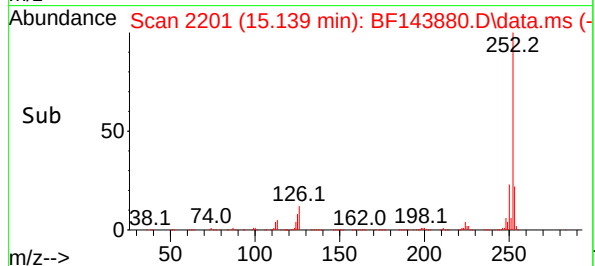
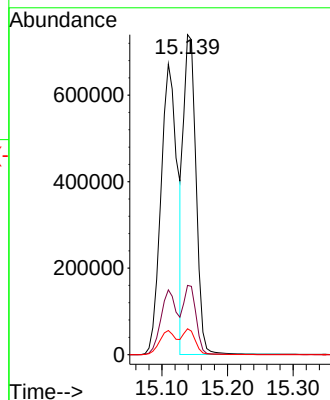
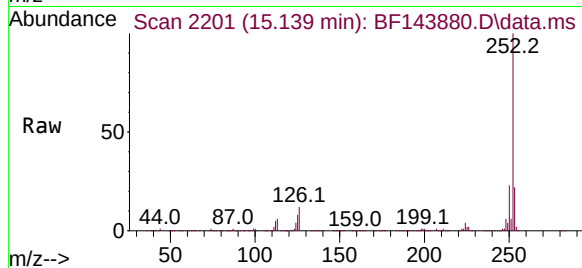
Tgt Ion:252 Resp: 983488

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 8.1 7.4 11.2



#90

Benzo(a)pyrene

Concen: 46.960 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

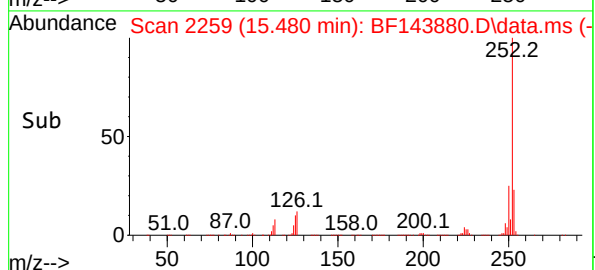
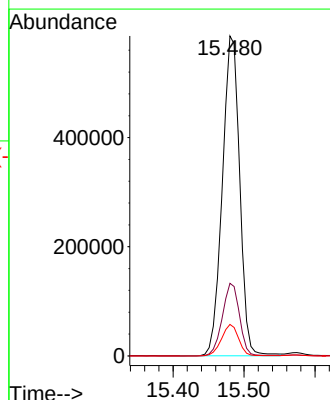
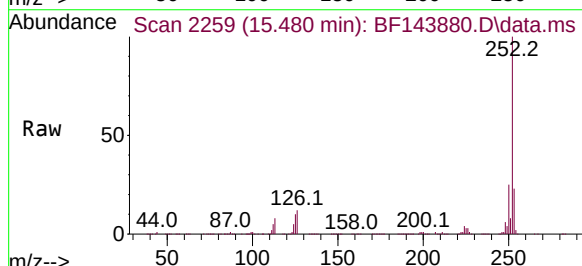
Tgt Ion:252 Resp: 997382

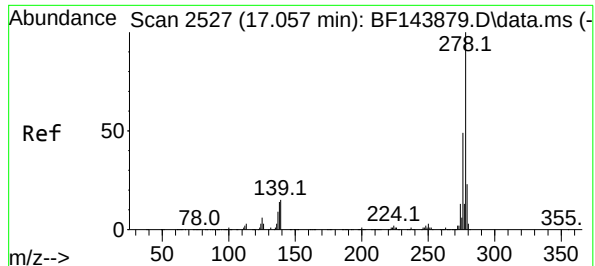
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 9.8 7.0 10.4

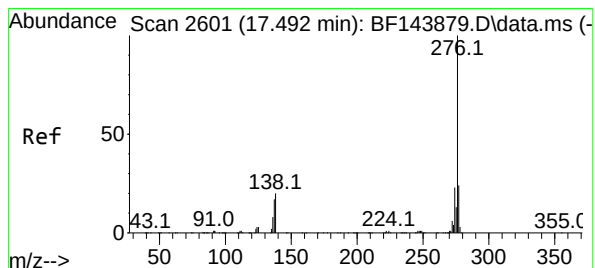
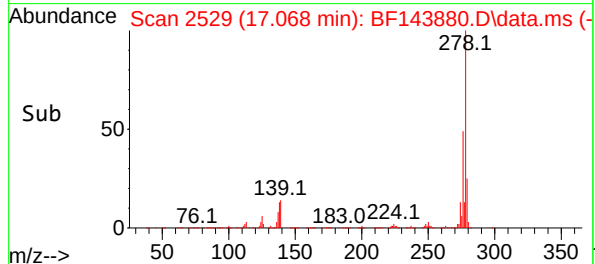
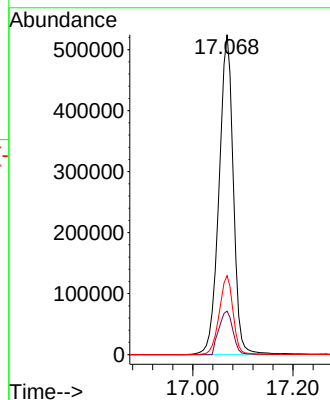
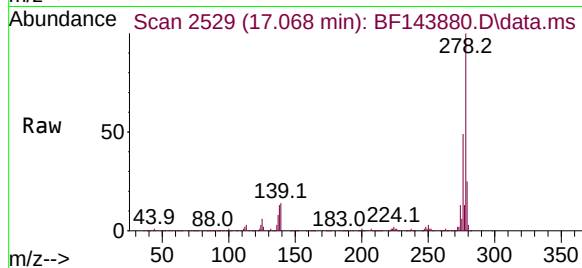




#91
Dibenzo(a,h)anthracene
Concen: 49.457 ng
RT: 17.068 min Scan# 2527
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

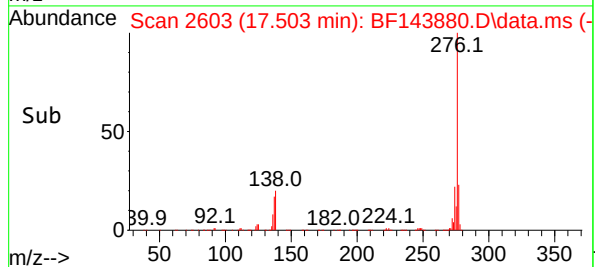
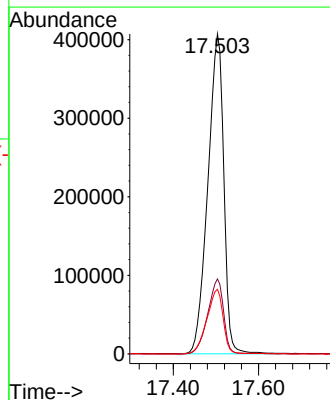
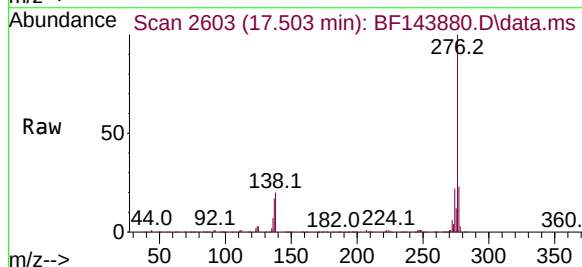
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 1039281
Ion Ratio Lower Upper
278 100
139 13.6 11.7 17.5
279 24.7 18.4 27.6



#92
Benzo(g,h,i)perylene
Concen: 50.253 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:276 Resp: 1056021
Ion Ratio Lower Upper
276 100
277 23.4 19.0 28.6
138 20.2 16.1 24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143881.D
Acq On : 06 Oct 2025 13:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 06 15:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	136069	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	524164	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	286024	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	485489	20.000	ng	0.00
76) Chrysene-d12	14.063	240	287097	20.000	ng	0.00
86) Perylene-d12	15.539	264	309882	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	961239	112.181	ng	0.00
7) Phenol-d6	6.510	99	1132663	110.899	ng	0.00
23) Nitrobenzene-d5	7.451	82	1021762	118.430	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	343442	120.554	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1764203	97.871	ng	0.00
79) Terphenyl-d14	13.004	244	1861234	110.799	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.646	88	235125	59.298	ng 98
3) Pyridine	3.410	79	685786	59.411	ng 99
4) n-Nitrosodimethylamine	3.369	42	371223	61.134	ng 96
6) Aniline	6.551	93	870980	56.909	ng 100
8) 2-Chlorophenol	6.669	128	482622	57.621	ng 98
9) Benzaldehyde	6.440	77	567228	71.995	ng 99
10) Phenol	6.528	94	710019	58.149	ng 94
11) bis(2-Chloroethyl)ether	6.622	93	531386	56.337	ng 98
12) 1,3-Dichlorobenzene	6.828	146	541823	54.041	ng 99
13) 1,4-Dichlorobenzene	6.904	146	547027	55.312	ng 100
14) 1,2-Dichlorobenzene	7.051	146	525807	55.507	ng 99
15) Benzyl Alcohol	7.028	79	450578	58.880	ng 98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1202366	56.002	ng 100
17) 2-Methylphenol	7.134	107	402660	58.170	ng 97
18) Hexachloroethane	7.398	117	189228	57.373	ng 97
19) n-Nitroso-di-n-propyla...	7.304	70	383071	54.794	ng 99
20) 3+4-Methylphenols	7.287	107	435782	54.319	ng 94
22) Acetophenone	7.298	105	589502	53.189	ng 98
24) Nitrobenzene	7.469	77	574563	59.969	ng 99
25) Isophorone	7.710	82	1042198	57.290	ng 99
26) 2-Nitrophenol	7.781	139	272450	66.327	ng 99
27) 2,4-Dimethylphenol	7.816	122	437344	59.187	ng 98
28) bis(2-Chloroethoxy)met...	7.916	93	631066	54.917	ng 99
29) 2,4-Dichlorophenol	8.022	162	442749	57.524	ng 98
30) 1,2,4-Trichlorobenzene	8.110	180	428102	56.555	ng 98
31) Naphthalene	8.192	128	1284573	53.874	ng 100
32) Benzoic acid	7.940	122	348955	68.237	ng 97
33) 4-Chloroaniline	8.239	127	504823	56.451	ng 99
34) Hexachlorobutadiene	8.304	225	294507	55.989	ng 98
35) Caprolactam	8.622	113	146970	60.055	ng 97
36) 4-Chloro-3-methylphenol	8.716	107	423904	57.336	ng 99
37) 2-Methylnaphthalene	8.881	142	838837	52.814	ng 100
38) 1-Methylnaphthalene	8.981	142	822755	53.405	ng 99
40) 1,2,4,5-Tetrachloroben...	9.045	216	445714	56.382	ng 98
41) Hexachlorocyclopentadiene	9.034	237	205978	62.806	ng 98
43) 2,4,6-Trichlorophenol	9.157	196	338809	58.657	ng 98

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 Data File : BF143881.D
 Acq On : 06 Oct 2025 13:53
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

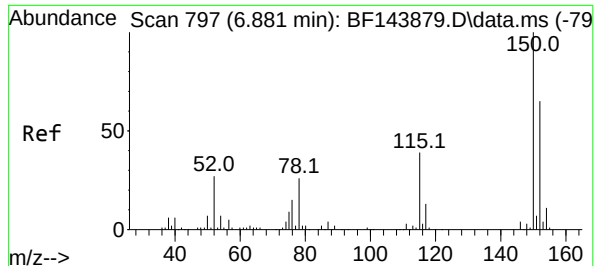
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 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	345605	56.620	ng	98
46) 1,1'-Biphenyl	9.345	154	1004440	53.040	ng	99
47) 2-Chloronaphthalene	9.375	162	860999	54.531	ng	98
48) 2-Nitroaniline	9.463	65	312884	62.679	ng	99
49) Acenaphthylene	9.786	152	1223951	55.140	ng	99
50) Dimethylphthalate	9.645	163	1031391	56.783	ng	100
51) 2,6-Dinitrotoluene	9.710	165	214169	63.587	ng	99
52) Acenaphthene	9.963	154	801773	55.124	ng	99
53) 3-Nitroaniline	9.881	138	255984	62.070	ng	96
54) 2,4-Dinitrophenol	9.981	184	123295	61.138	ng	95
55) Dibenzofuran	10.133	168	1111183	54.120	ng	99
56) 4-Nitrophenol	10.034	139	195321	62.550	ng	92
57) 2,4-Dinitrotoluene	10.110	165	297018	64.812	ng	97
58) Fluorene	10.475	166	791518	51.090	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	264796	61.283	ng	# 97
60) Diethylphthalate	10.351	149	948580	56.214	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	433339	52.905	ng	97
62) 4-Nitroaniline	10.498	138	247024	62.288	ng	98
63) Azobenzene	10.628	77	992054	56.252	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	166740	68.344	ng	99
66) n-Nitrosodiphenylamine	10.586	169	850570	55.797	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	302165	56.317	ng	98
68) Hexachlorobenzene	11.028	284	356406	57.378	ng	97
69) Atrazine	11.116	200	257412	55.713	ng	98
70) Pentachlorophenol	11.216	266	224011	62.792	ng	99
71) Phenanthrene	11.439	178	1270063	53.961	ng	99
72) Anthracene	11.492	178	1282940	53.956	ng	99
73) Carbazole	11.645	167	1170717	55.592	ng	99
74) Di-n-butylphthalate	11.975	149	1389569	56.934	ng	100
75) Fluoranthene	12.633	202	1325716	54.530	ng	99
77) Benzidine	12.751	184	551394	55.312	ng	98
78) Pyrene	12.863	202	1359513	56.800	ng	99
80) Butylbenzylphthalate	13.480	149	476448	61.293	ng	98
81) Benzo(a)anthracene	14.051	228	1111626	59.168	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	347863	60.756	ng	99
83) Chrysene	14.092	228	969765	55.770	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	579121	61.804	ng	99
85) Di-n-octyl phthalate	14.657	149	991597	64.431	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	1173726	61.815	ng	100
88) Benzo(b)fluoranthene	15.110	252	1117484	62.778	ng	99
89) Benzo(k)fluoranthene	15.139	252	855988	51.969	ng	99
90) Benzo(a)pyrene	15.480	252	901585	58.412	ng	98
91) Dibenzo(a,h)anthracene	17.062	278	935987	61.291	ng	98
92) Benzo(g,h,i)perylene	17.504	276	946452	61.976	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

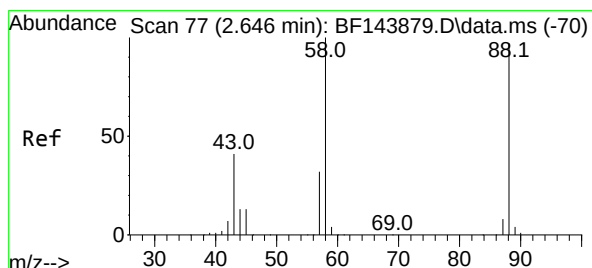
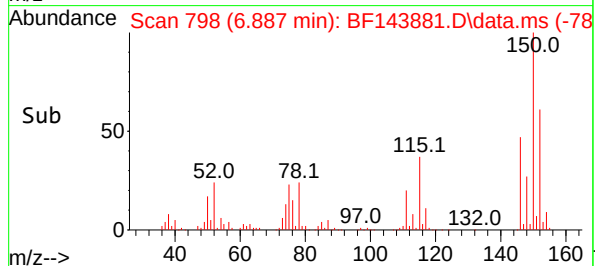
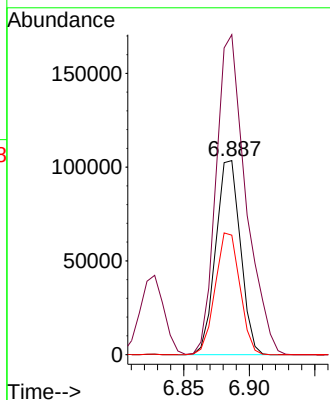
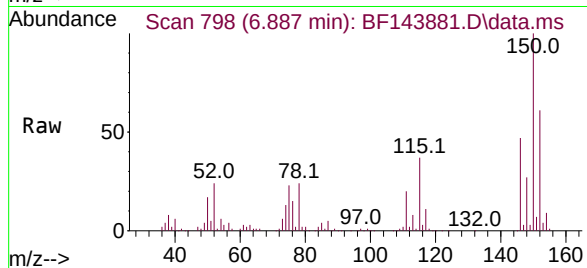
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- 16
- 17



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

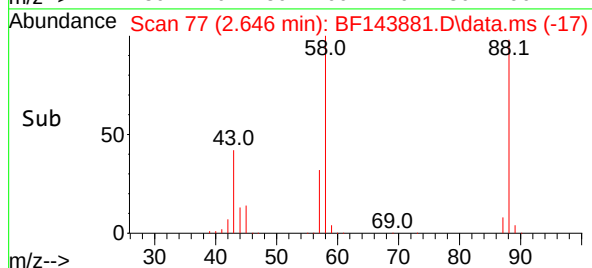
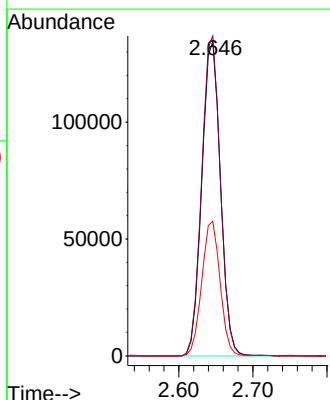
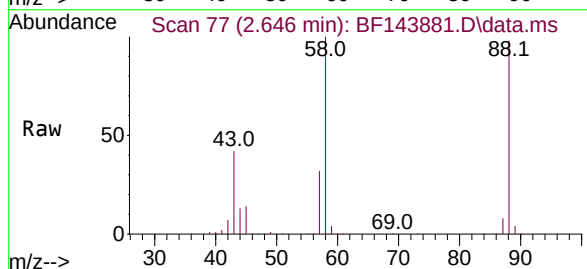
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BNA_F
ClientSampleId :
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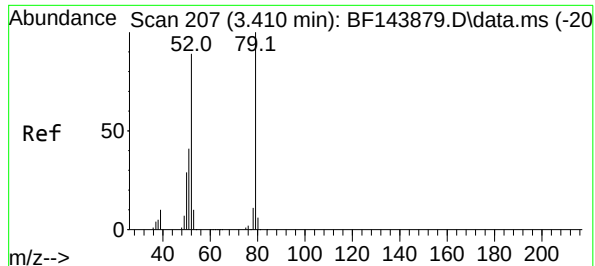
Tgt Ion:152 Resp: 136069
Ion Ratio Lower Upper
152 100
150 165.0 124.4 186.6
115 61.6 48.1 72.1



#2
1,4-Dioxane
Concen: 59.298 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 88 Resp: 235125
Ion Ratio Lower Upper
88 100
58 101.8 83.0 124.6
43 42.1 33.9 50.9





#3

Pyridine

Concen: 59.411 ng

RT: 3.410 min Scan# 207

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

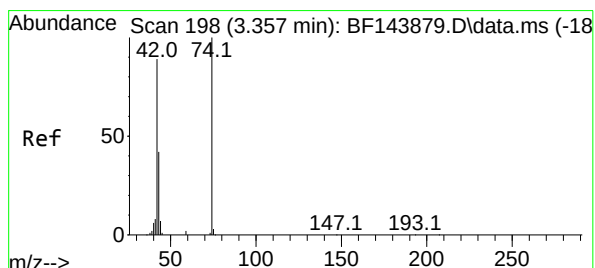
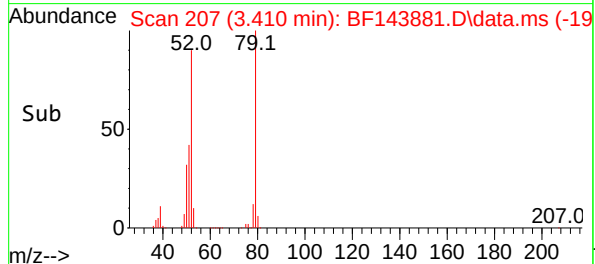
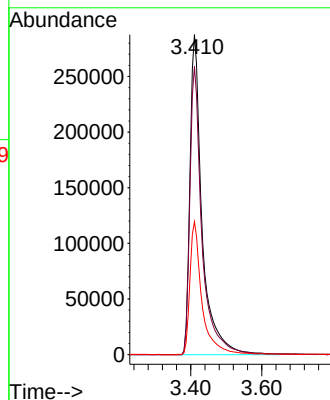
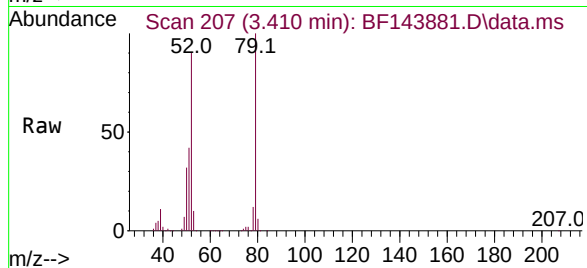
Tgt Ion: 79 Resp: 685786

Ion Ratio Lower Upper

79 100

52 90.0 71.5 107.3

51 41.5 32.9 49.3



#4

n-Nitrosodimethylamine

Concen: 61.134 ng

RT: 3.369 min Scan# 200

Delta R.T. -0.017 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

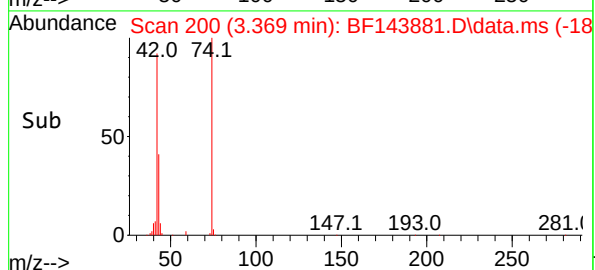
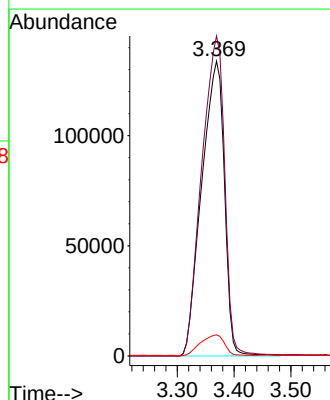
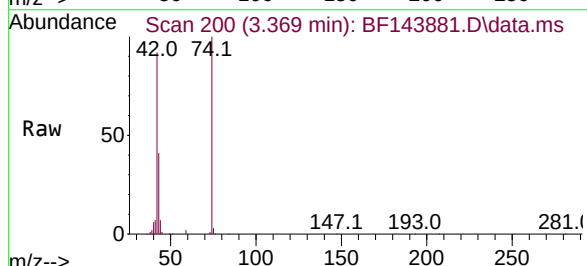
Tgt Ion: 42 Resp: 371223

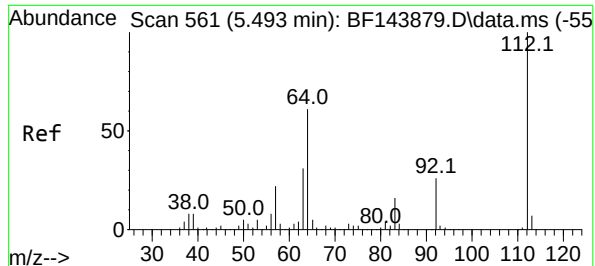
Ion Ratio Lower Upper

42 100

74 108.6 90.0 135.0

44 7.1 6.2 9.2

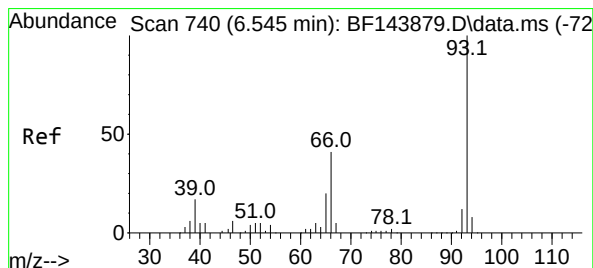
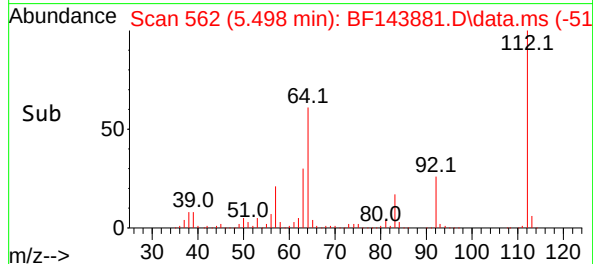
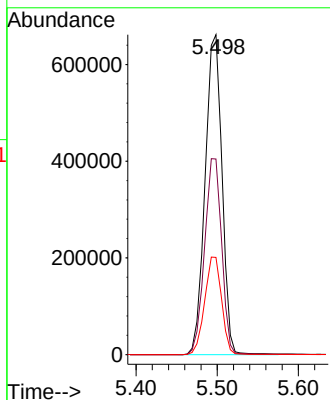
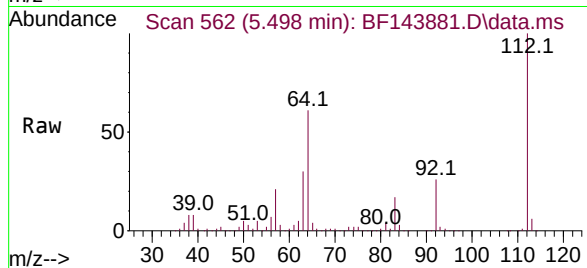




#5
2-Fluorophenol
Concen: 112.181 ng
RT: 5.498 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

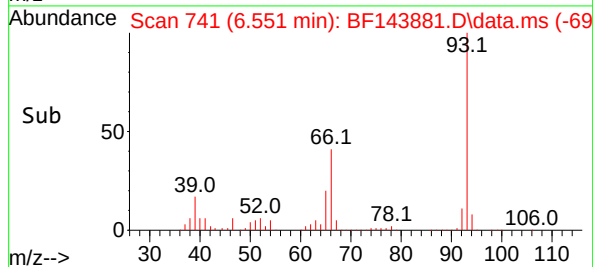
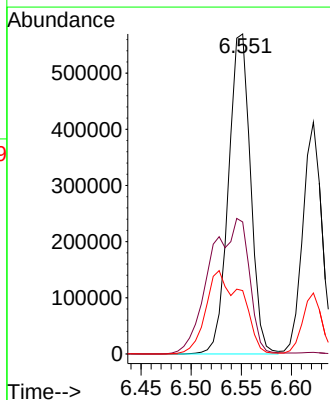
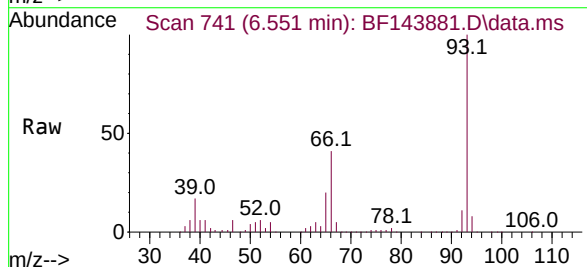
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ClientSampleId :
SSTDICC060

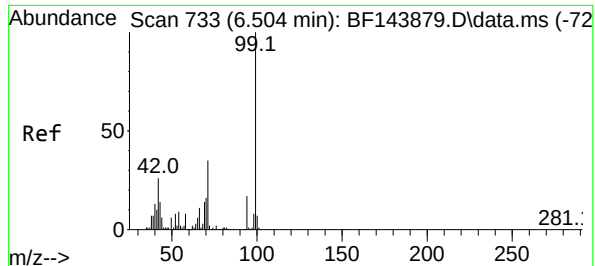
Tgt Ion:112 Resp: 961239
Ion Ratio Lower Upper
112 100
64 61.1 49.1 73.7
63 30.4 24.5 36.7



#6
Aniline
Concen: 56.909 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 93 Resp: 870980
Ion Ratio Lower Upper
93 100
66 41.2 33.0 49.6
65 19.8 15.8 23.8





#7

Phenol-d6

Concen: 110.899 ng

RT: 6.510 min Scan# 734

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

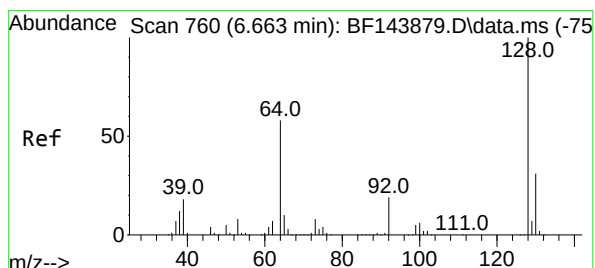
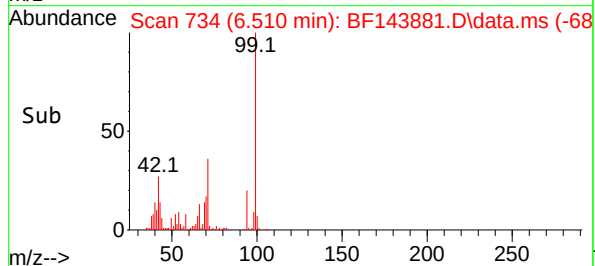
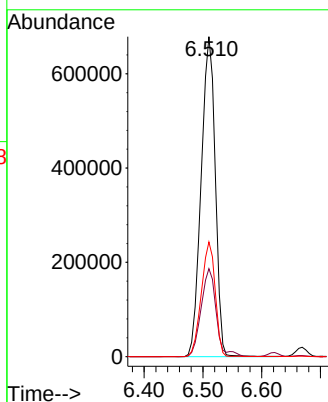
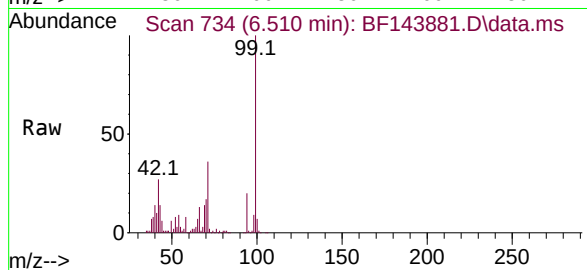
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 1132663

Ion	Ratio	Lower	Upper
99	100		
42	27.5	21.0	31.4
71	35.8	27.8	41.8



#8

2-Chlorophenol

Concen: 57.621 ng

RT: 6.669 min Scan# 761

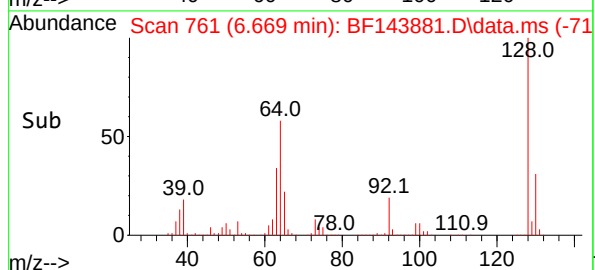
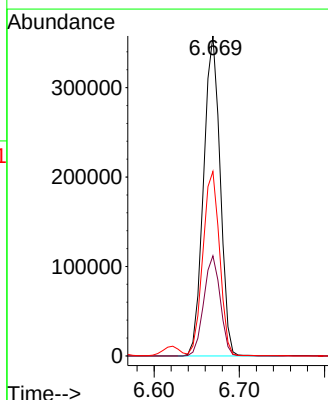
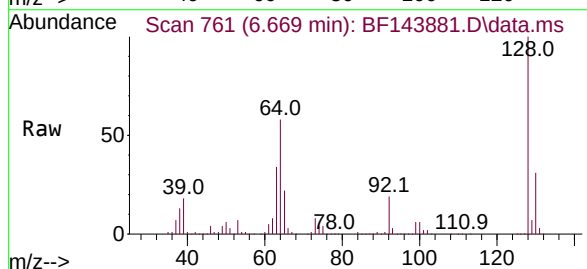
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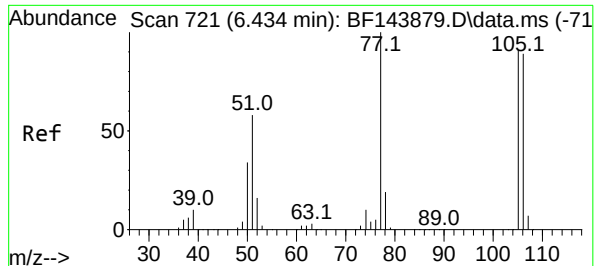
Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Tgt Ion: 128 Resp: 482622

Ion	Ratio	Lower	Upper
128	100		
130	31.3	10.7	50.7
64	57.6	39.0	79.0

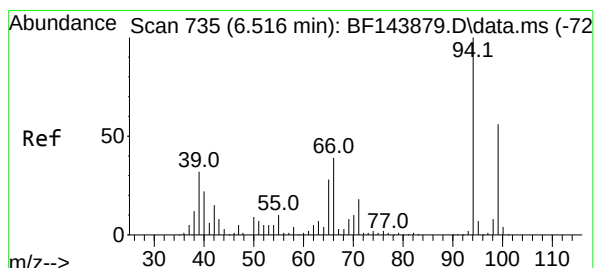
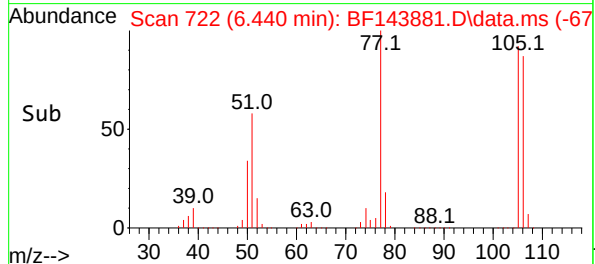
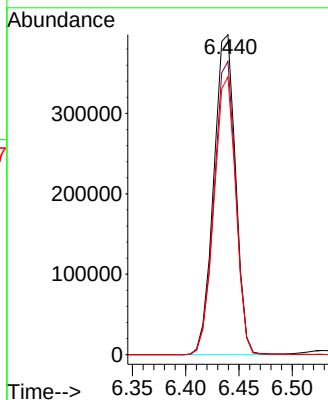
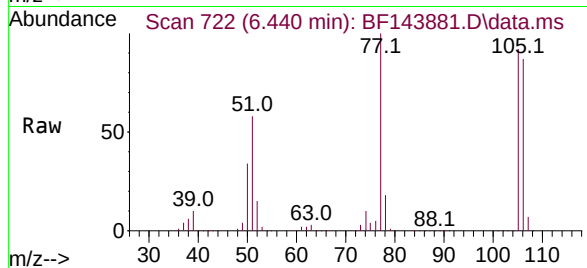




#9
Benzaldehyde
Concen: 71.995 ng
RT: 6.440 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

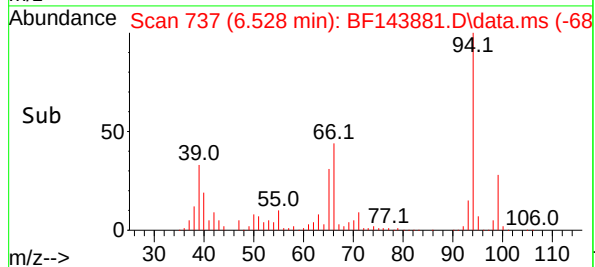
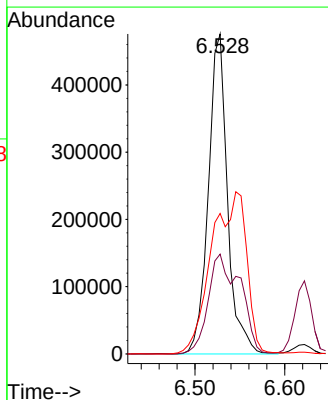
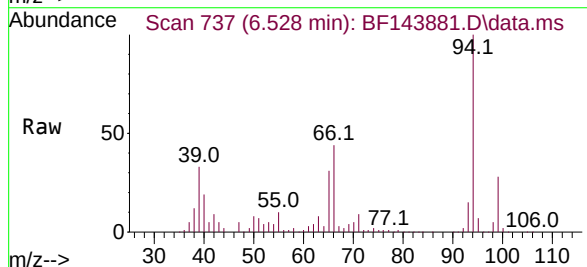
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ClientSampleId :
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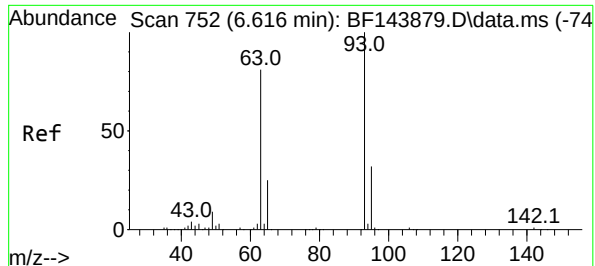
Tgt Ion: 77 Resp: 567228
Ion Ratio Lower Upper
77 100
105 91.6 70.9 110.9
106 86.8 68.9 108.9



#10
Phenol
Concen: 58.149 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 94 Resp: 710019
Ion Ratio Lower Upper
94 100
65 31.2 8.5 48.5
66 43.9 19.9 59.9

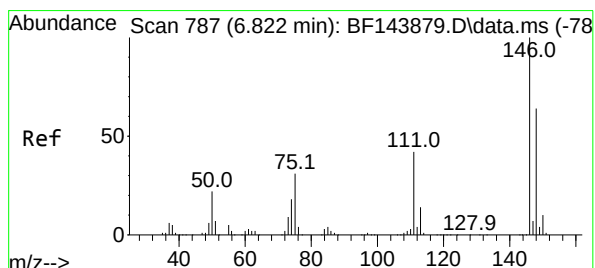
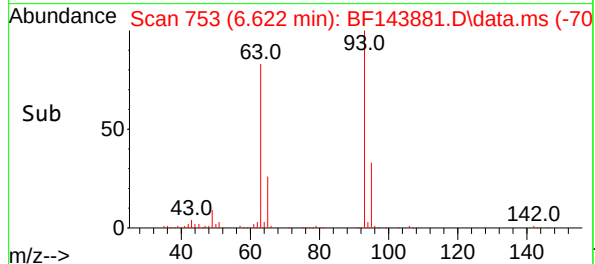
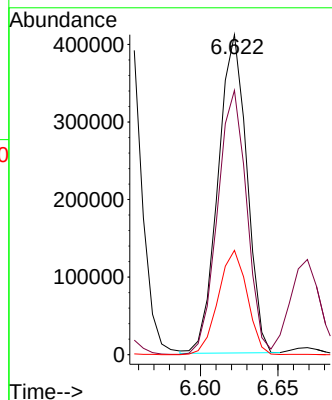
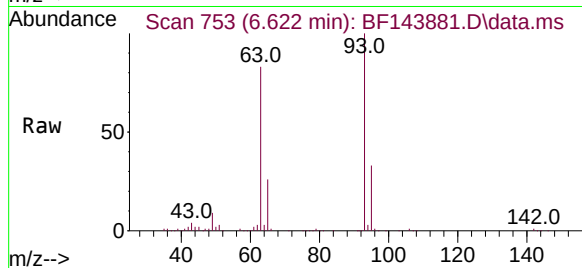




#11
bis(2-Chloroethyl)ether
Concen: 56.337 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

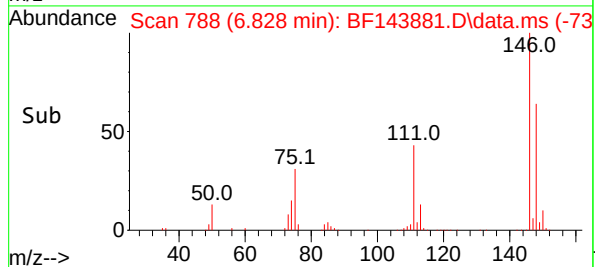
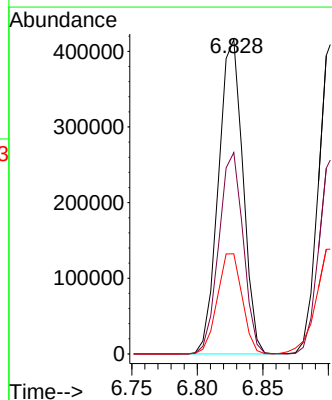
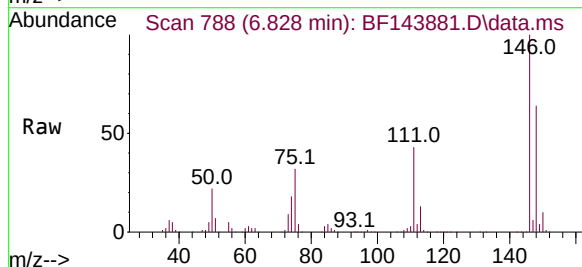
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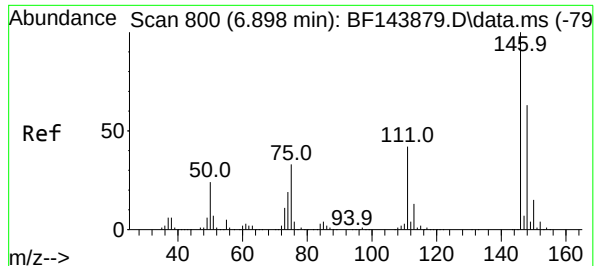
Tgt Ion: 93 Resp: 531386
Ion Ratio Lower Upper
93 100
63 82.6 60.9 100.9
95 32.6 11.5 51.5



#12
1,3-Dichlorobenzene
Concen: 54.041 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 146 Resp: 541823
Ion Ratio Lower Upper
146 100
148 64.0 51.0 76.4
75 31.8 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 55.312 ng

RT: 6.904 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

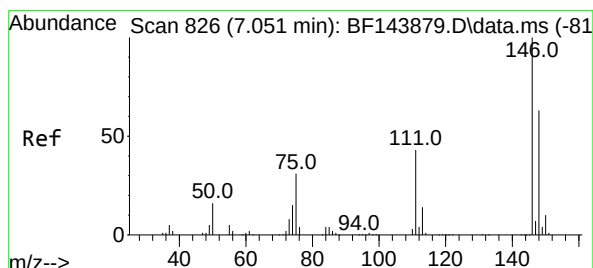
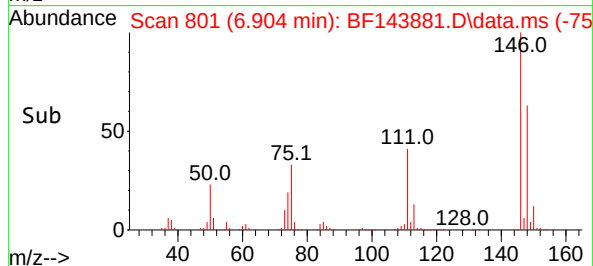
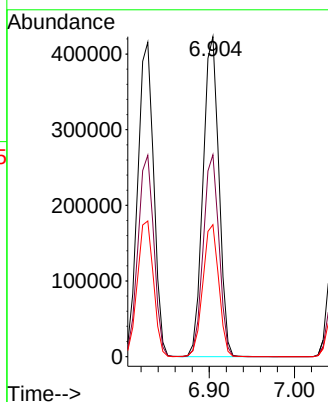
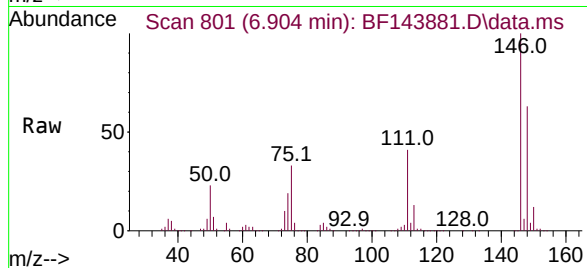
Tgt Ion:146 Resp: 547027

Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

111 41.2 33.4 50.0



#14

1,2-Dichlorobenzene

Concen: 55.507 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

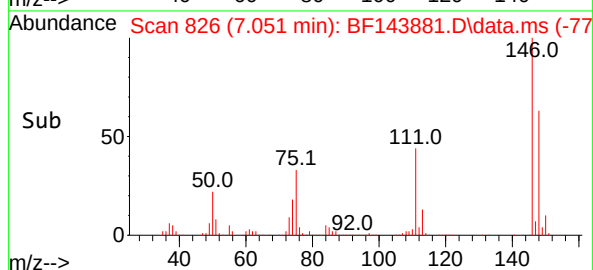
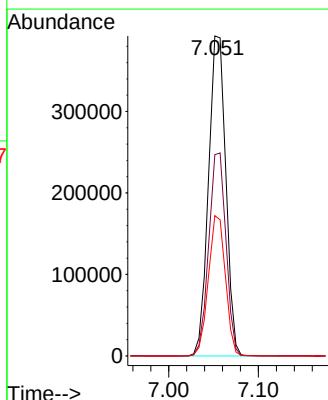
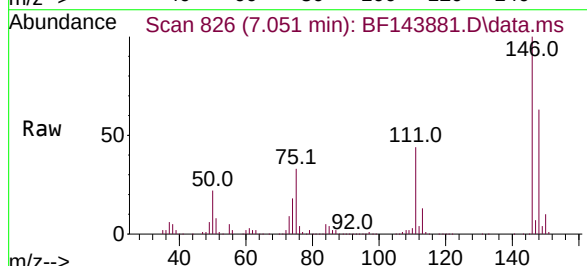
Tgt Ion:146 Resp: 525807

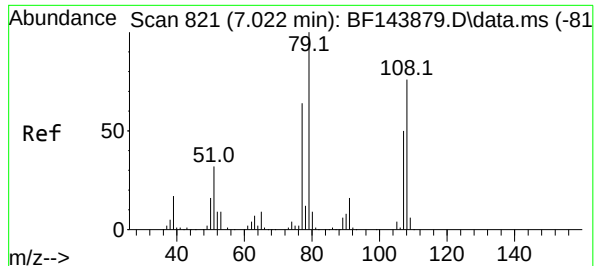
Ion Ratio Lower Upper

146 100

148 62.9 50.6 75.8

111 43.8 34.6 51.8





#15

Benzyl Alcohol

Concen: 58.880 ng

RT: 7.028 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

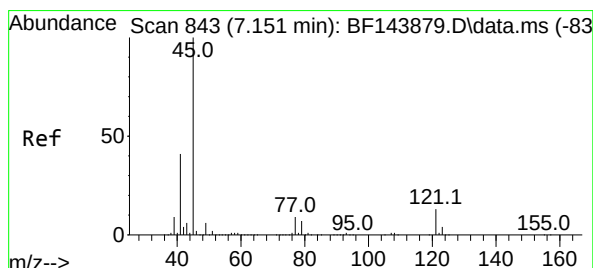
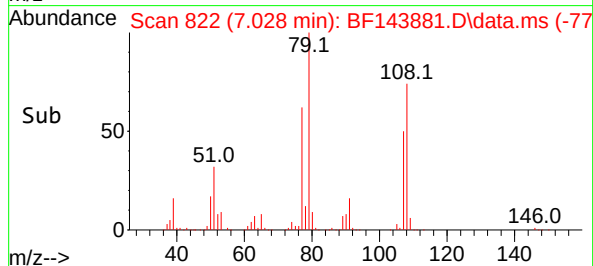
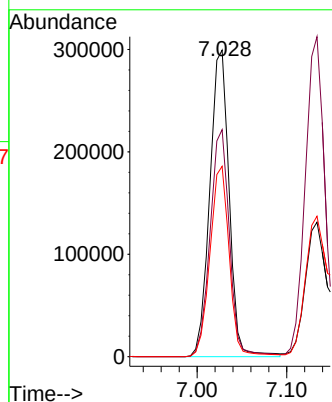
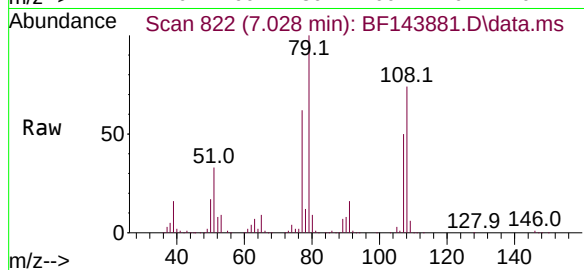
Tgt Ion: 79 Resp: 450578

Ion Ratio Lower Upper

79 100

108 74.1 60.8 91.2

77 62.1 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 56.002 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

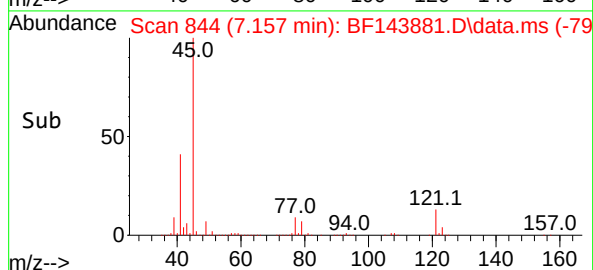
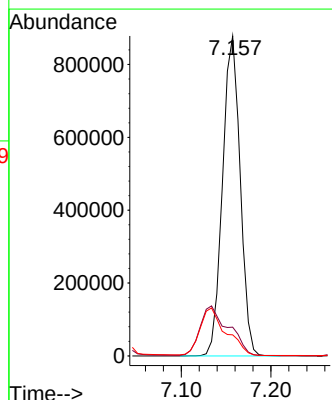
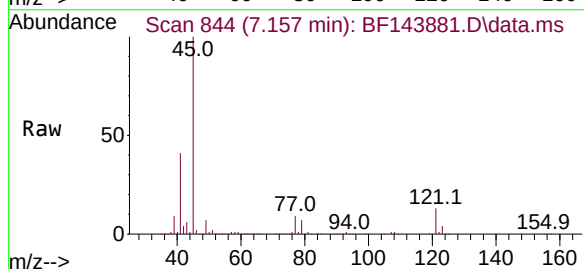
Tgt Ion: 45 Resp: 1202366

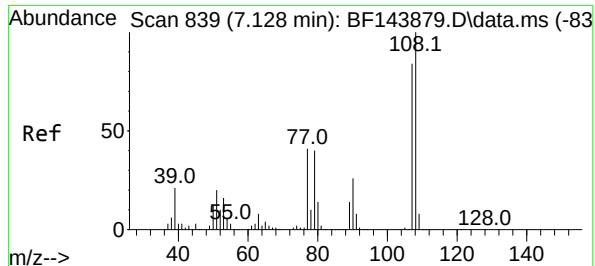
Ion Ratio Lower Upper

45 100

77 9.0 0.0 29.0

79 6.6 0.0 26.8



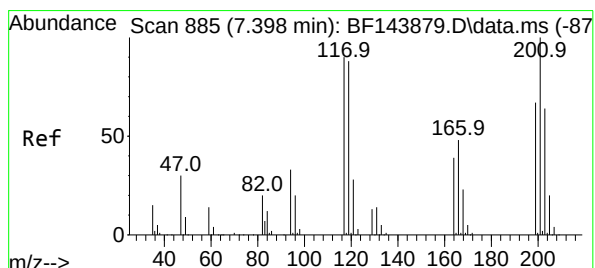
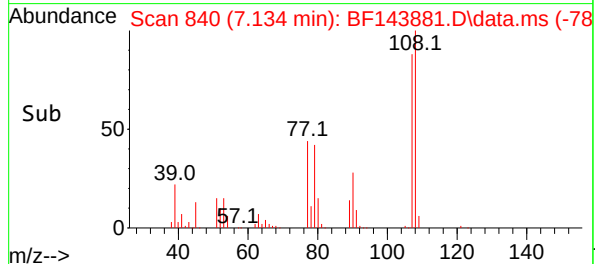
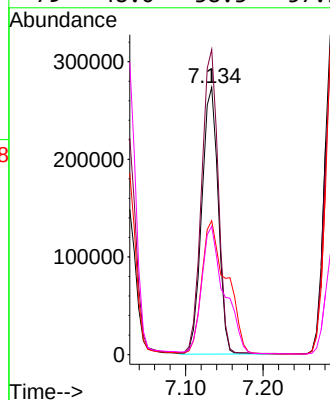
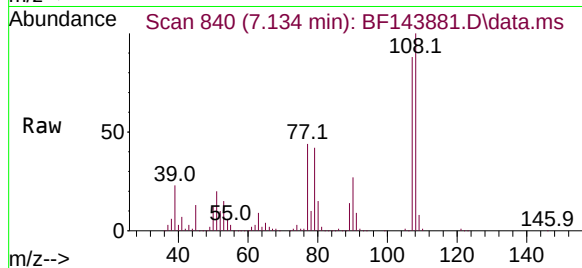


#17
2-Methylphenol
Concen: 58.170 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 402660

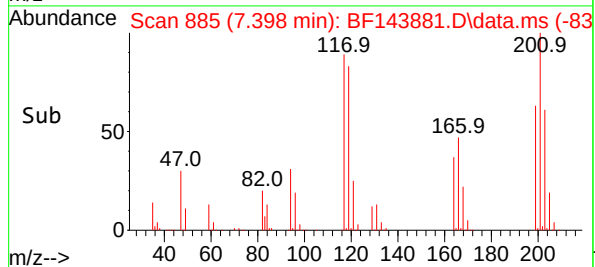
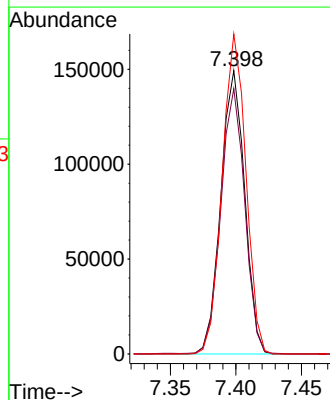
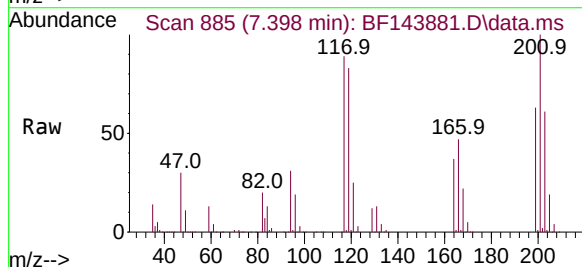
Ion	Ratio	Lower	Upper
107	100		
108	114.2	94.7	142.1
77	50.1	38.8	58.2
79	48.0	38.3	57.5

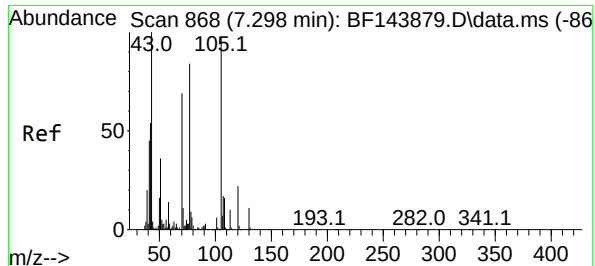


#18
Hexachloroethane
Concen: 57.373 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:117 Resp: 189228

Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.8	116.8
201	112.9	88.5	132.7





#19

n-Nitroso-di-n-propylamine

Concen: 54.794 ng

RT: 7.304 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF143881.D

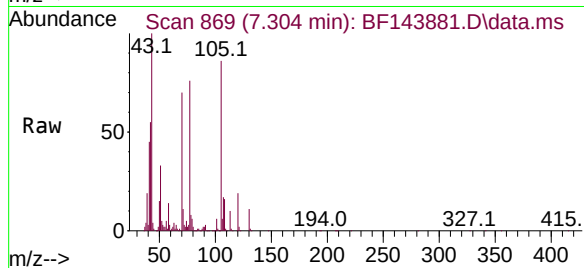
Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion: 70 Resp: 383071

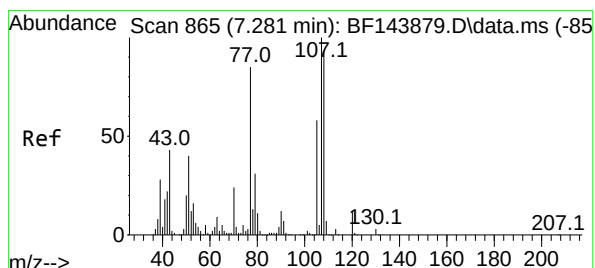
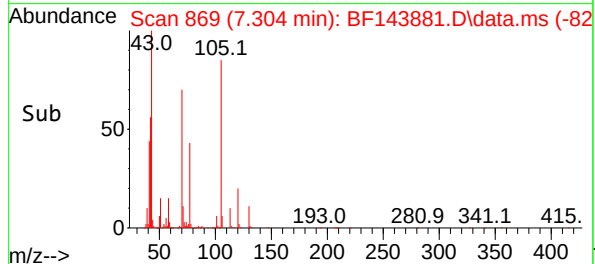
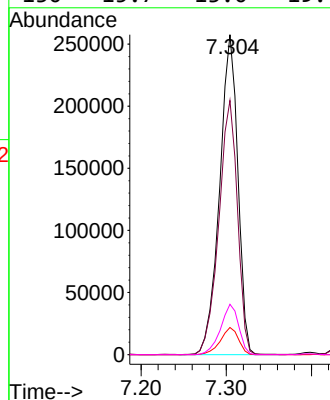
Ion Ratio Lower Upper

70 100

42 79.4 62.8 94.2

101 8.5 6.7 10.1

130 15.7 13.0 19.4



#20

3+4-Methylphenols

Concen: 54.319 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.012 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Tgt Ion: 107 Resp: 435782

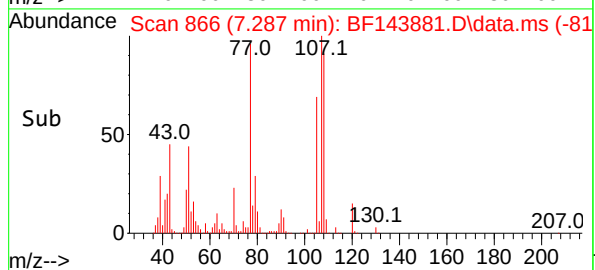
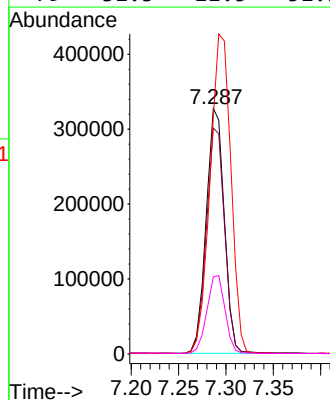
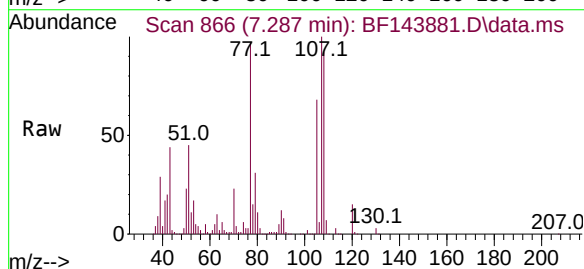
Ion Ratio Lower Upper

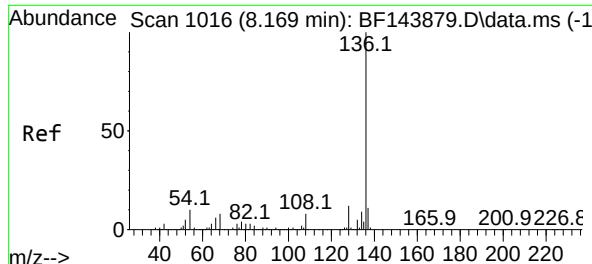
107 100

108 92.0 73.0 113.0

77 96.5 64.6 104.6

79 31.3 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:136 Resp: 524164

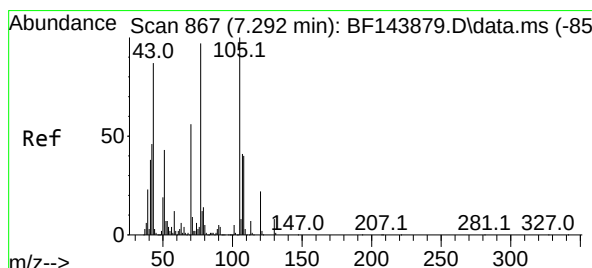
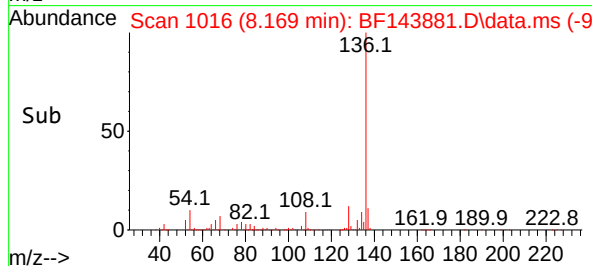
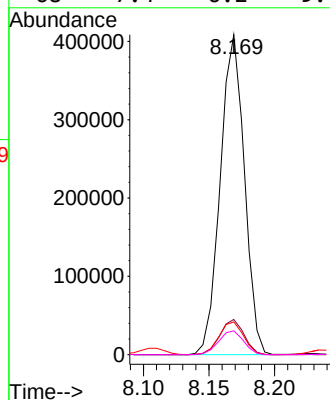
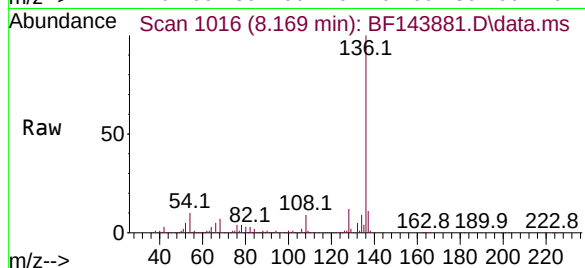
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.2 8.2 12.4

68 7.4 6.2 9.4



#22

Acetophenone

Concen: 53.189 ng

RT: 7.298 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Tgt Ion:105 Resp: 589502

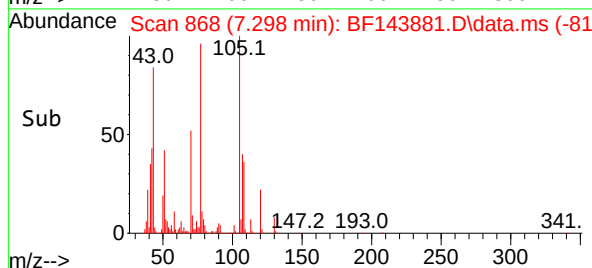
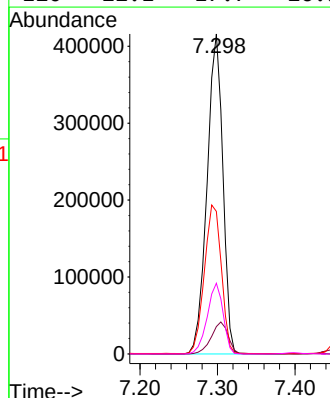
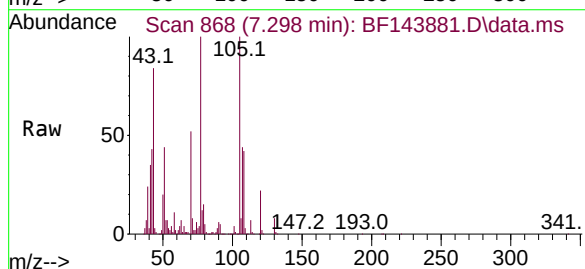
Ion Ratio Lower Upper

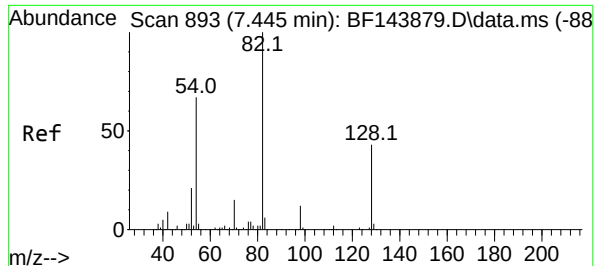
105 100

71 8.5 7.4 11.0

51 44.5 34.2 51.4

120 22.1 17.7 26.5





#23

Nitrobenzene-d5

Concen: 118.430 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

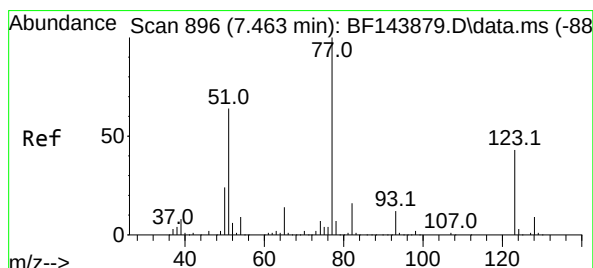
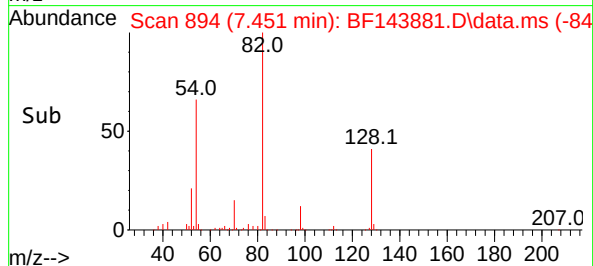
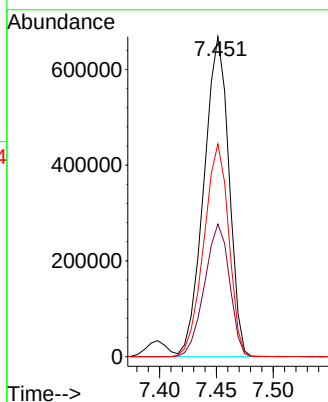
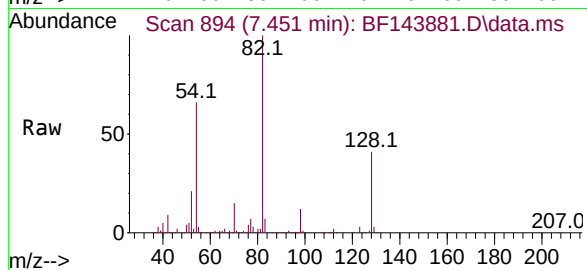
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 1021762

Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.0	51.0
54	66.5	53.2	79.8



#24

Nitrobenzene

Concen: 59.969 ng

RT: 7.469 min Scan# 897

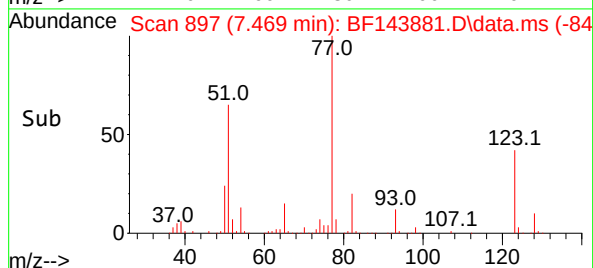
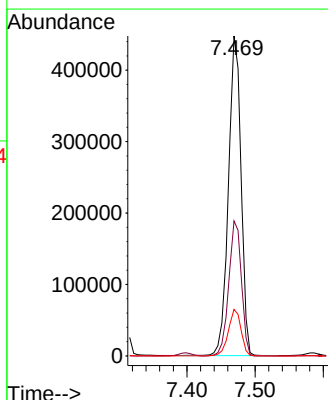
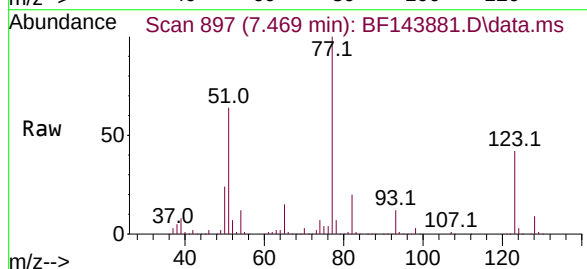
Delta R.T. -0.006 min

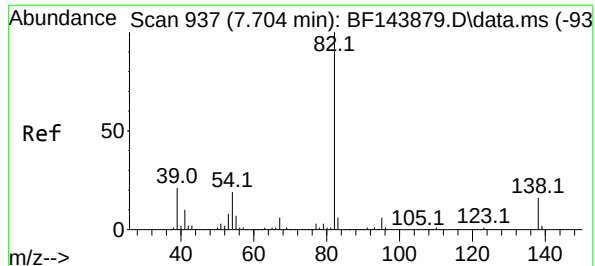
Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Tgt Ion: 77 Resp: 574563

Ion	Ratio	Lower	Upper
77	100		
123	42.2	34.2	51.4
65	14.5	11.0	16.6





#25

Isophorone

Concen: 57.290 ng

RT: 7.710 min Scan# 937

Delta R.T. -0.012 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

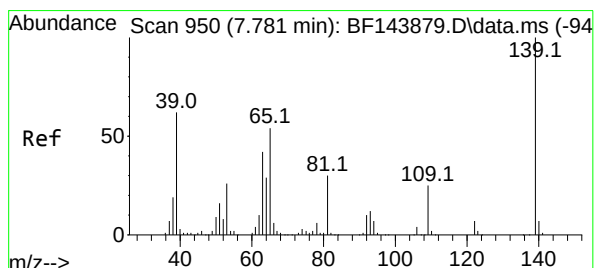
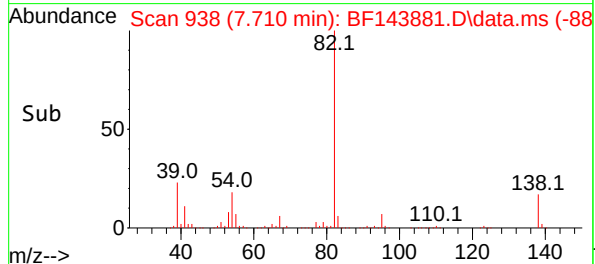
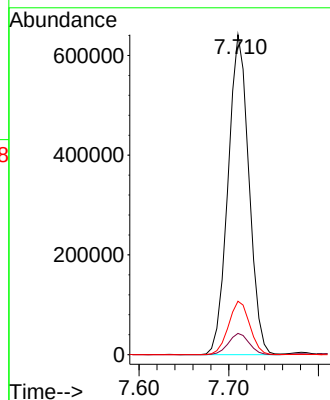
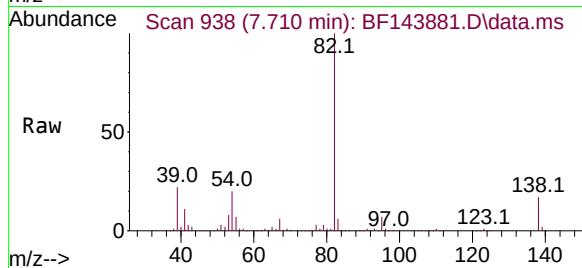
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 1042198

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.1	7.7
138	16.7	12.9	19.3



#26

2-Nitrophenol

Concen: 66.327 ng

RT: 7.781 min Scan# 950

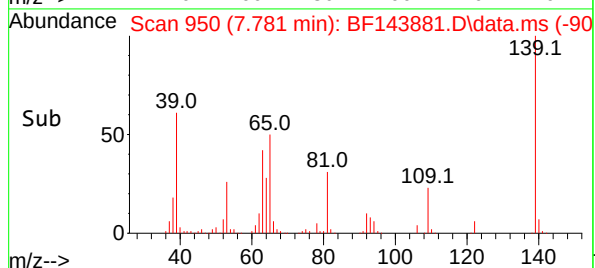
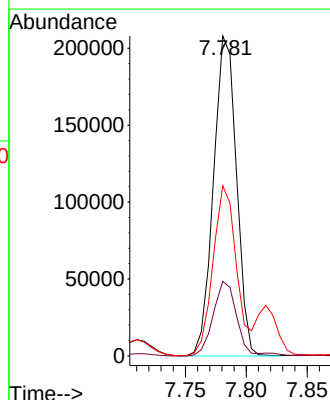
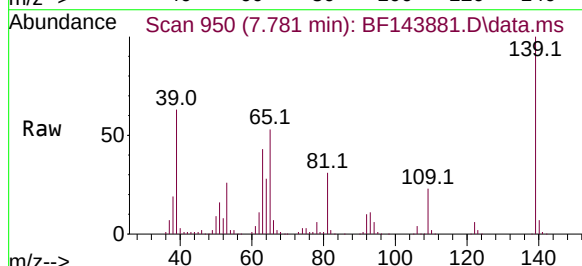
Delta R.T. -0.006 min

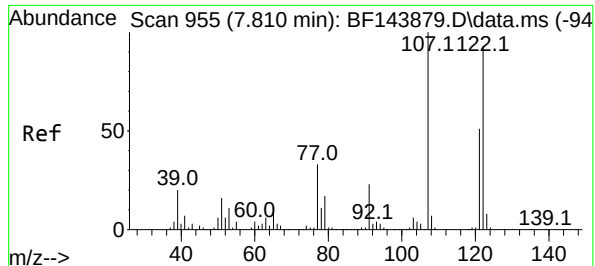
Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Tgt Ion: 139 Resp: 272450

Ion	Ratio	Lower	Upper
139	100		
109	23.3	19.8	29.6
65	53.1	42.9	64.3





#27

2,4-Dimethylphenol

Concen: 59.187 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

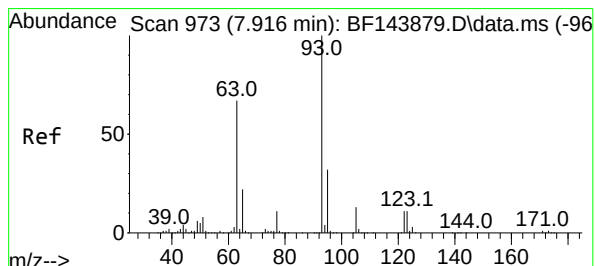
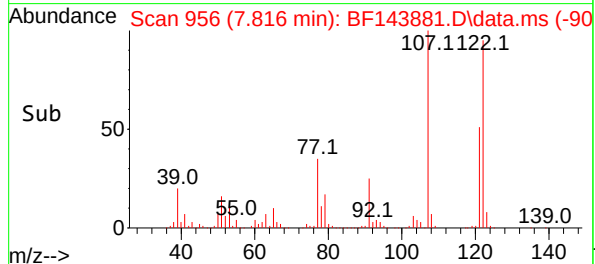
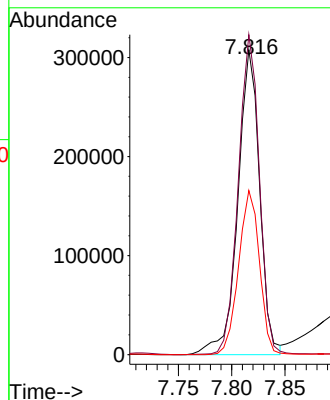
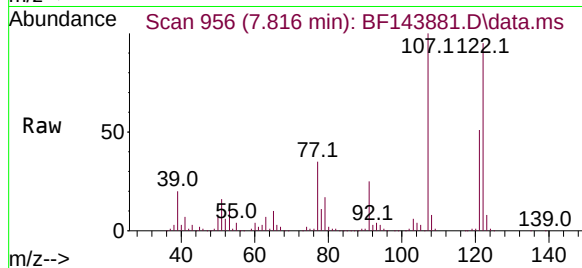
Tgt Ion:122 Resp: 437344

Ion Ratio Lower Upper

122 100

107 105.0 86.1 129.1

121 53.8 43.8 65.6



#28

bis(2-Chloroethoxy)methane

Concen: 54.917 ng

RT: 7.916 min Scan# 973

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

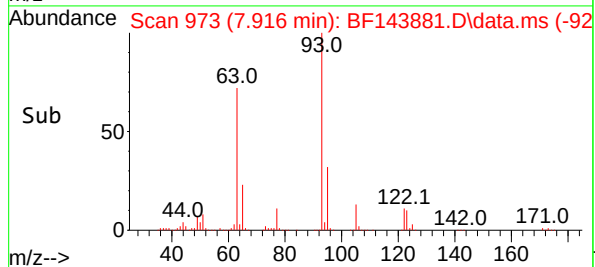
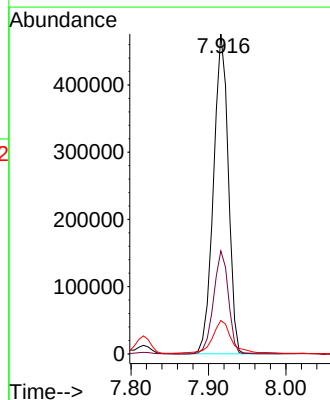
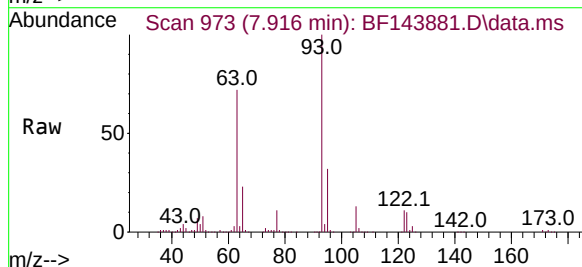
Tgt Ion: 93 Resp: 631066

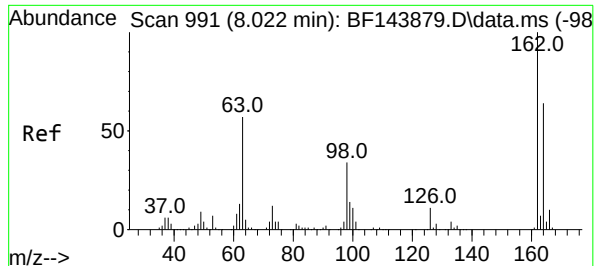
Ion Ratio Lower Upper

93 100

95 32.2 25.9 38.9

123 10.4 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 57.524 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

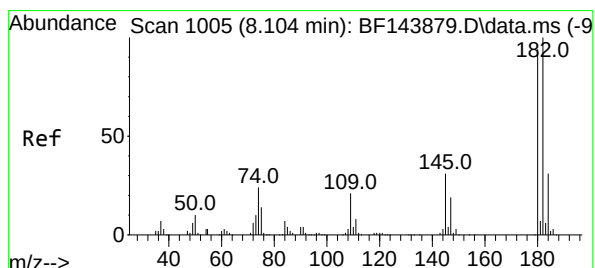
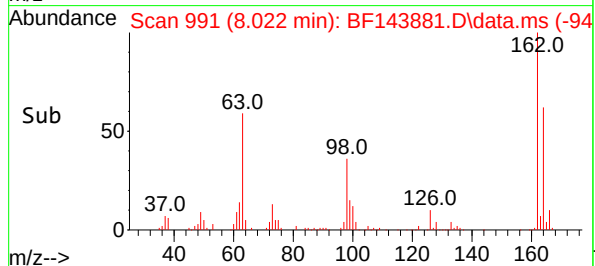
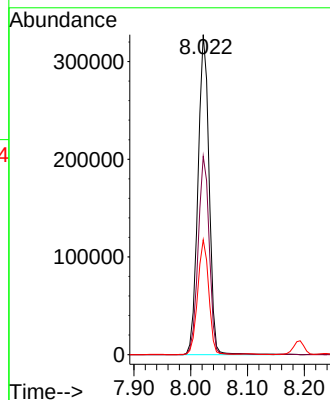
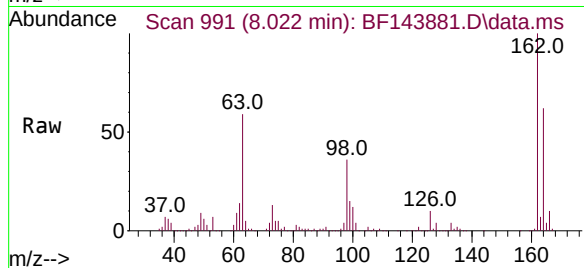
Tgt Ion:162 Resp: 442749

Ion Ratio Lower Upper

162 100

164 62.0 43.9 83.9

98 35.9 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 56.555 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

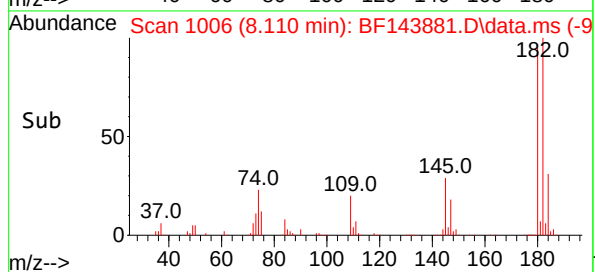
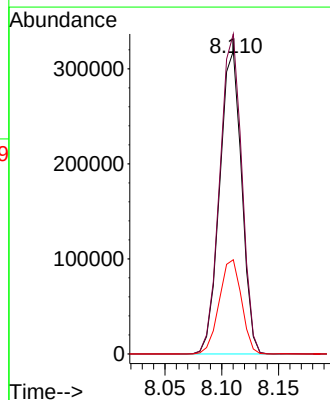
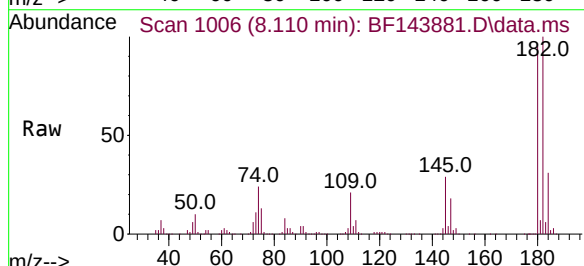
Tgt Ion:180 Resp: 428102

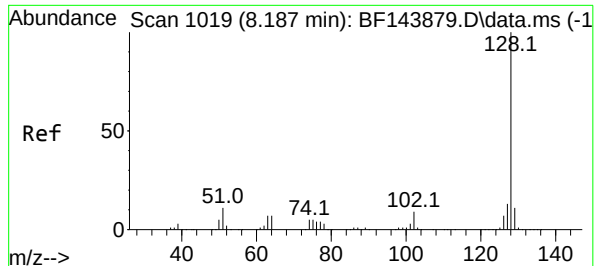
Ion Ratio Lower Upper

180 100

182 105.7 85.4 128.0

145 31.1 26.3 39.5





#31

Naphthalene

Concen: 53.874 ng

RT: 8.192 min Scan# 10

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

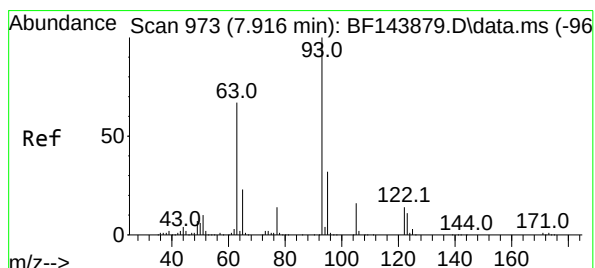
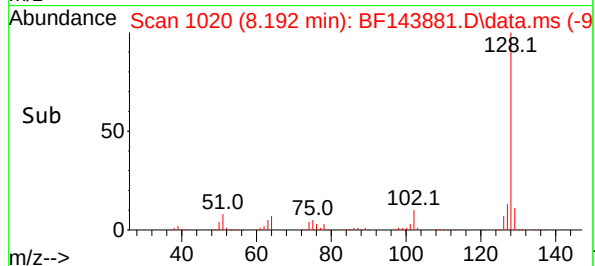
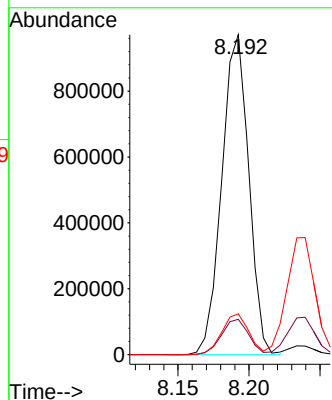
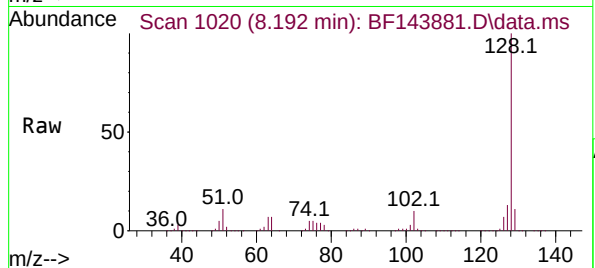
Tgt Ion:128 Resp: 1284573

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 12.7 10.0 15.0



#32

Benzoic acid

Concen: 68.237 ng

RT: 7.940 min Scan# 977

Delta R.T. -0.023 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

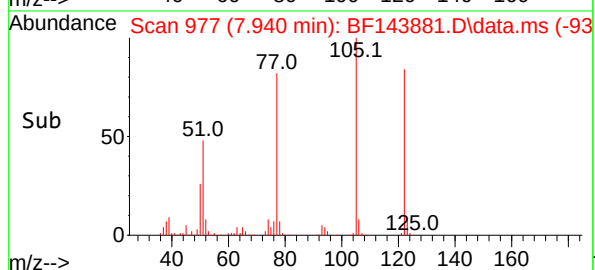
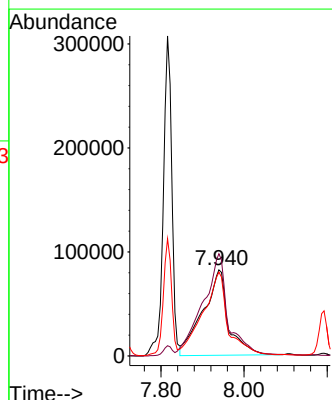
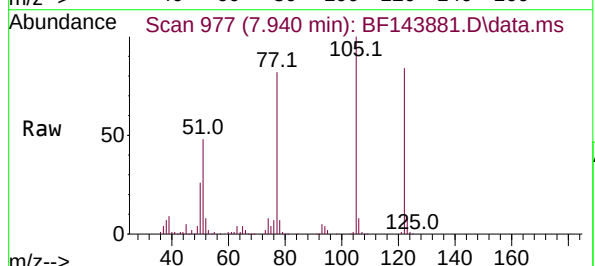
Tgt Ion:122 Resp: 348955

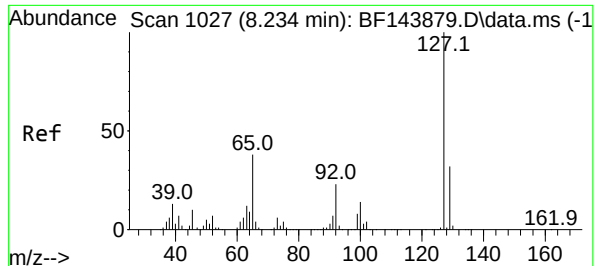
Ion Ratio Lower Upper

122 100

105 118.8 93.5 133.5

77 97.3 76.3 116.3

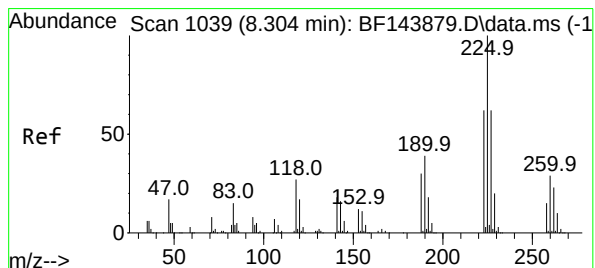
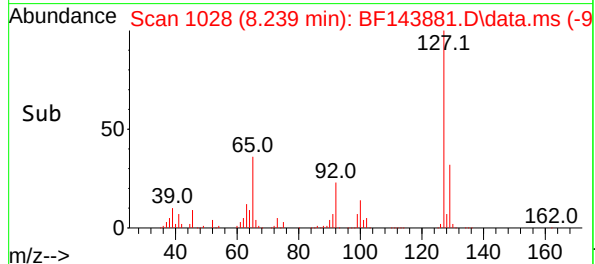
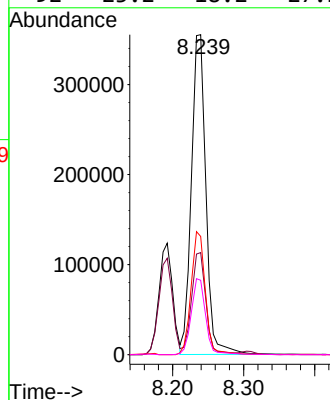
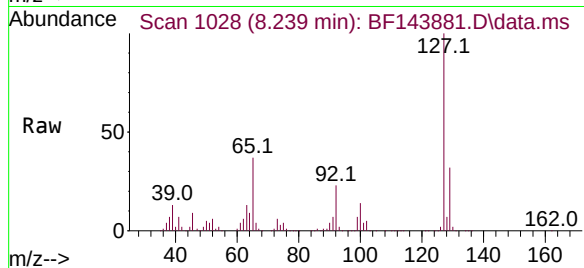




#33
4-Chloroaniline
Concen: 56.451 ng
RT: 8.239 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

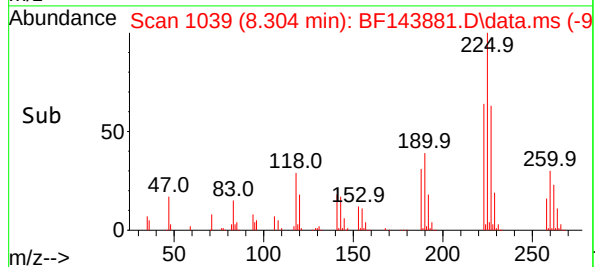
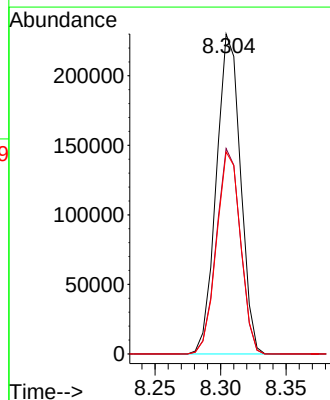
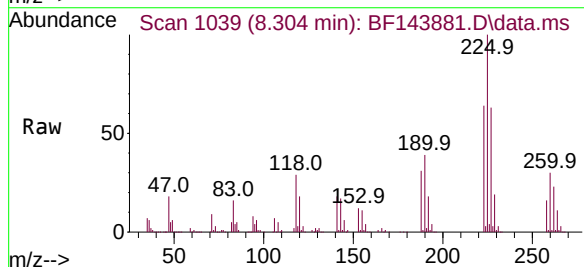
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

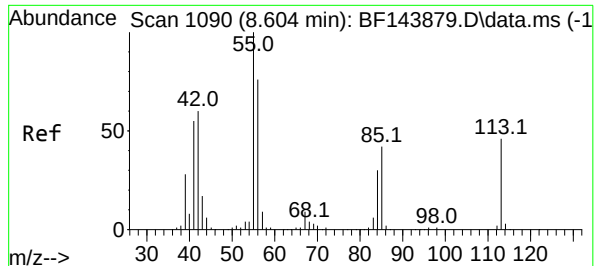
Tgt Ion:	127	Resp:	504823
Ion Ratio	Lower	Upper	
127	100		
129	31.9	25.8	38.8
65	36.9	30.0	45.0
92	23.2	18.2	27.2



#34
Hexachlorobutadiene
Concen: 55.989 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:	225	Resp:	294507
Ion Ratio	Lower	Upper	
225	100		
223	64.2	49.4	74.2
227	63.1	49.7	74.5





#35

Caprolactam

Concen: 60.055 ng

RT: 8.622 min Scan# 1109

Delta R.T. -0.023 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

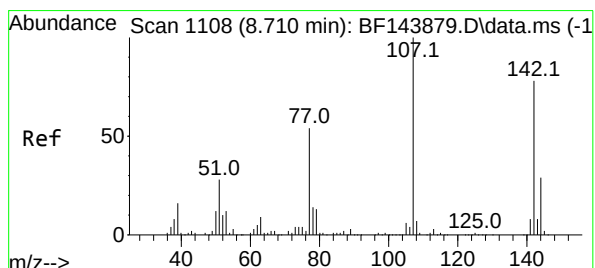
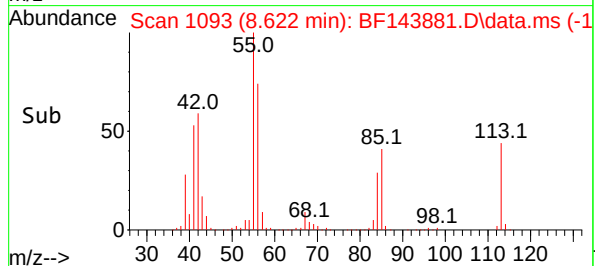
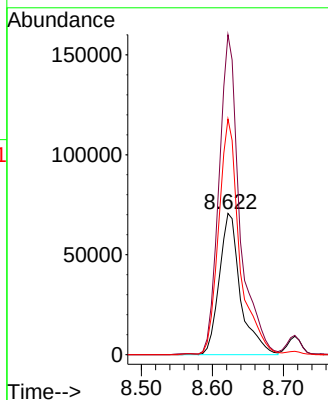
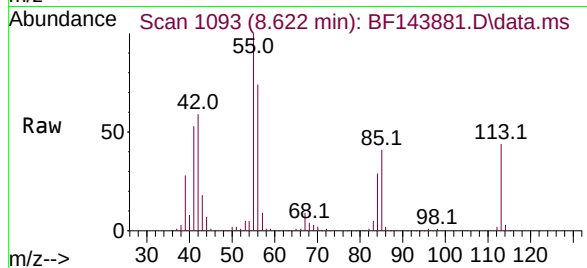
Tgt Ion:113 Resp: 146970

Ion Ratio Lower Upper

113 100

55 226.6 199.6 239.6

56 166.8 146.0 186.0



#36

4-Chloro-3-methylphenol

Concen: 57.336 ng

RT: 8.716 min Scan# 1109

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

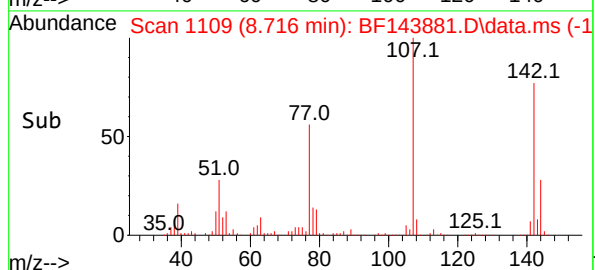
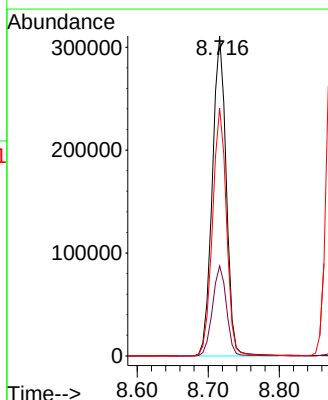
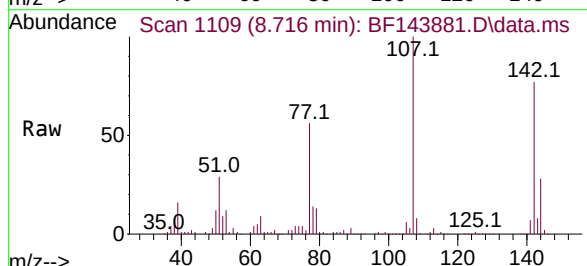
Tgt Ion:107 Resp: 423904

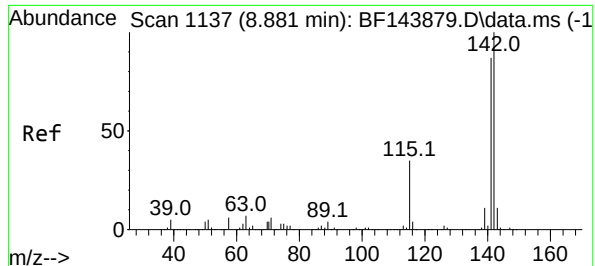
Ion Ratio Lower Upper

107 100

144 28.1 23.1 34.7

142 77.4 62.6 94.0





#37

2-Methylnaphthalene

Concen: 52.814 ng

RT: 8.881 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

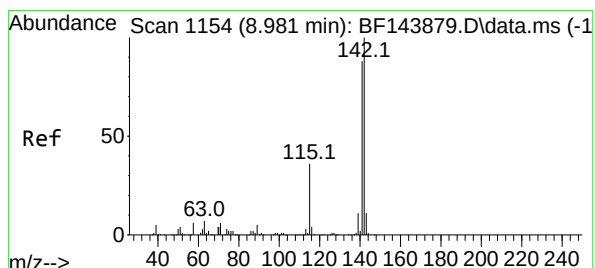
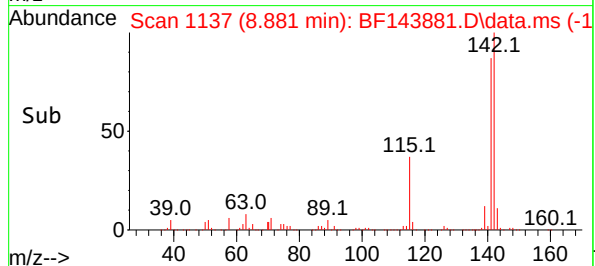
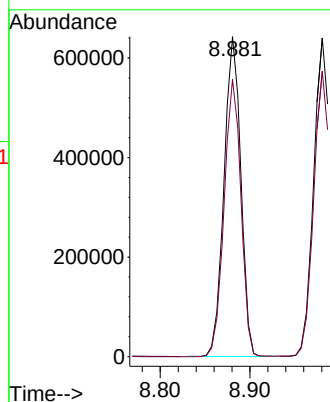
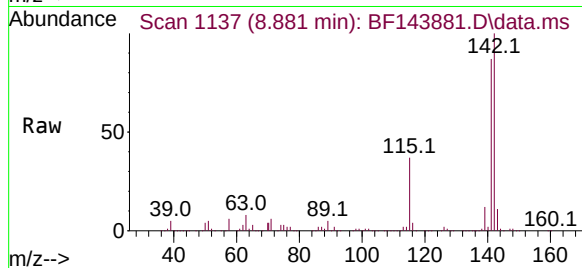
SSTDICC060

Tgt Ion:142 Resp: 838837

Ion Ratio Lower Upper

142 100

141 86.6 69.2 103.8



#38

1-Methylnaphthalene

Concen: 53.405 ng

RT: 8.981 min Scan# 1154

Delta R.T. -0.005 min

Lab File: BF143881.D

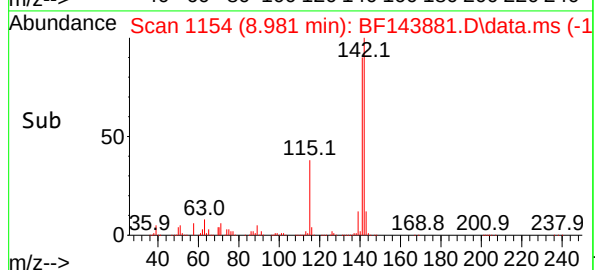
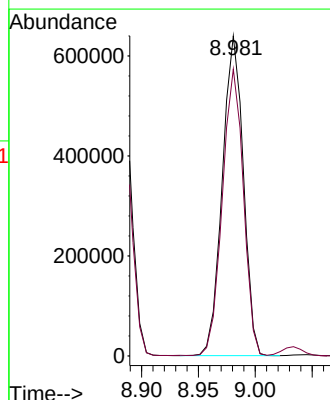
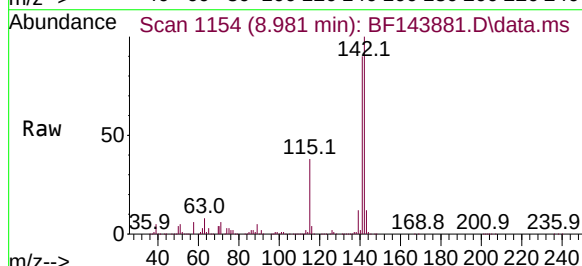
Acq: 06 Oct 2025 13:53

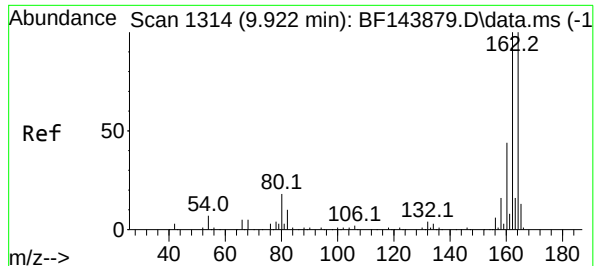
Tgt Ion:142 Resp: 822755

Ion Ratio Lower Upper

142 100

141 89.6 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

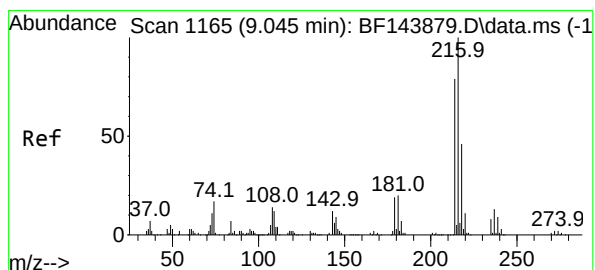
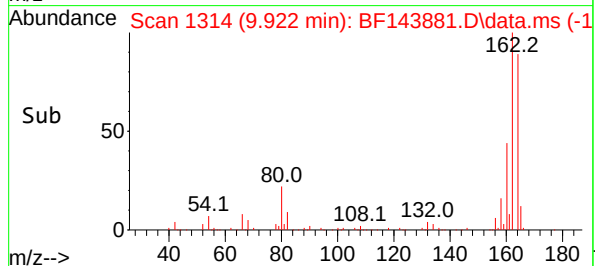
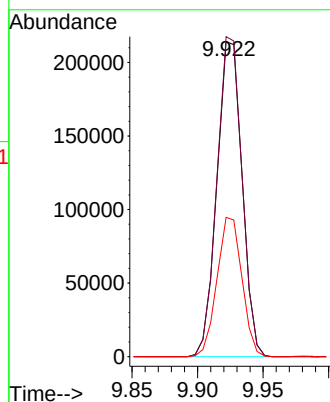
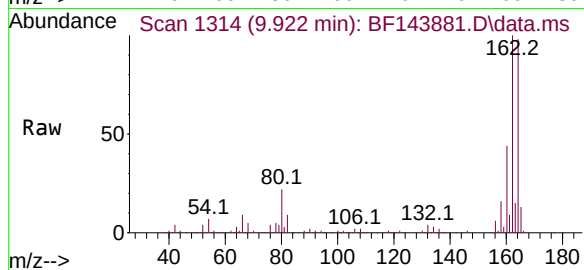
Tgt Ion:164 Resp: 286024

Ion Ratio Lower Upper

164 100

162 101.6 80.2 120.2

160 44.2 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 56.382 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Tgt Ion:216 Resp: 445714

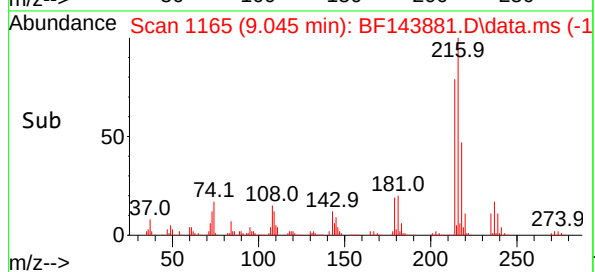
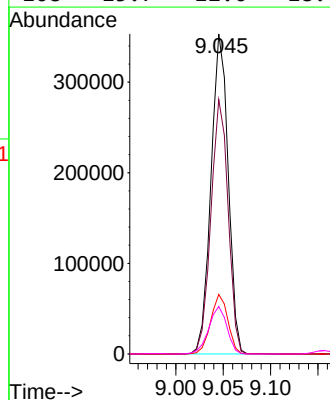
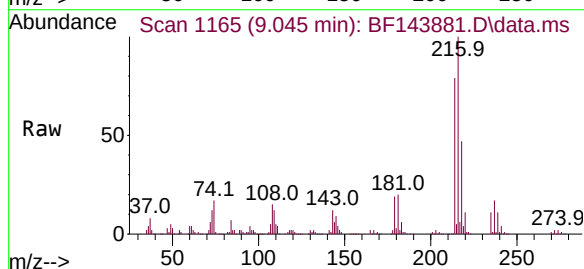
Ion Ratio Lower Upper

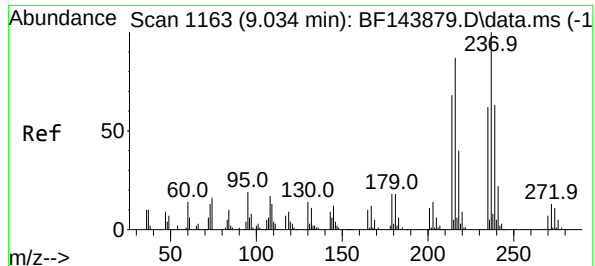
216 100

214 79.6 62.6 94.0

179 18.5 15.4 23.0

108 15.7 12.0 18.0





#41

Hexachlorocyclopentadiene

Concen: 62.806 ng

RT: 9.034 min Scan# 1163

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

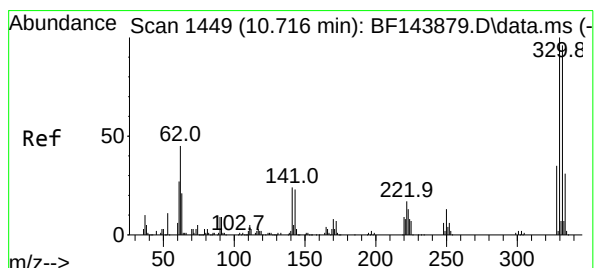
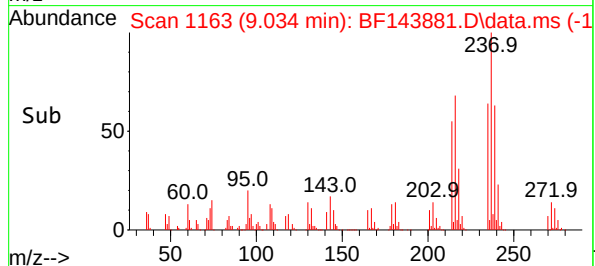
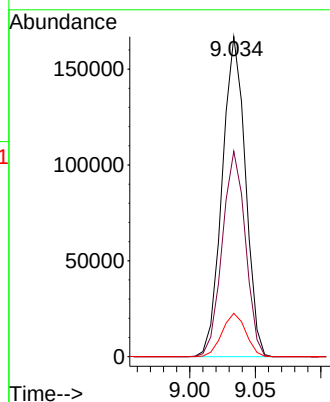
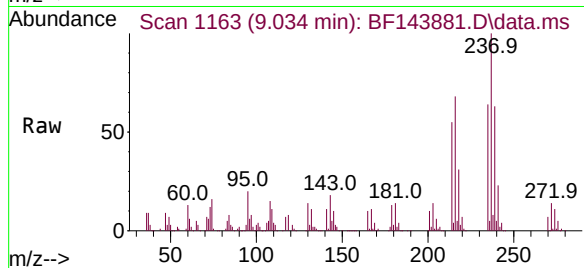
Tgt Ion:237 Resp: 205978

Ion Ratio Lower Upper

237 100

235 64.2 42.3 82.3

272 13.5 0.0 33.1



#42

2,4,6-Tribromophenol

Concen: 120.554 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

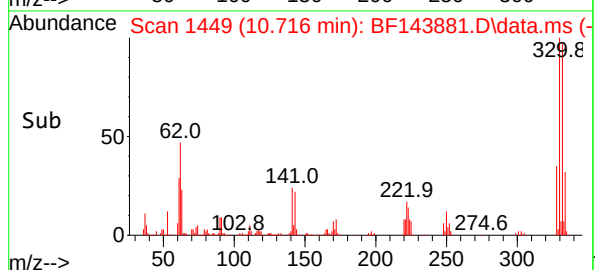
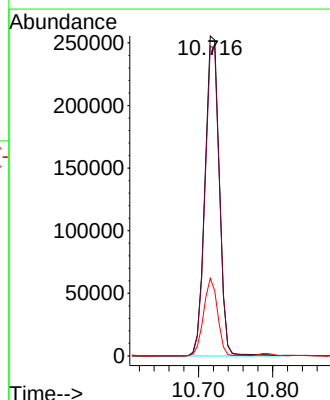
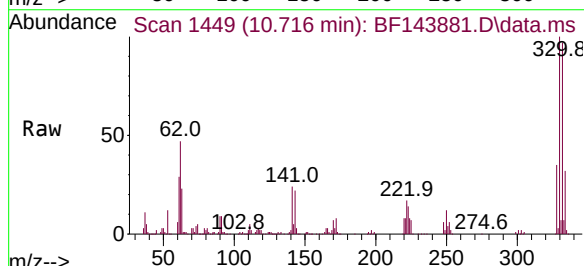
Tgt Ion:330 Resp: 343442

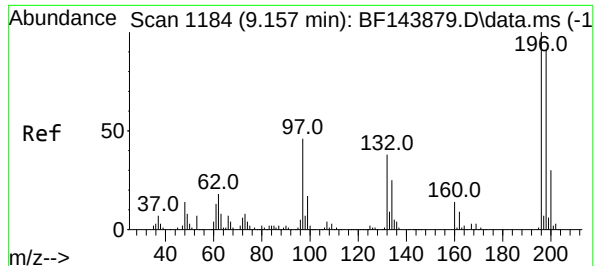
Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 23.7 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 58.657 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF143881.D

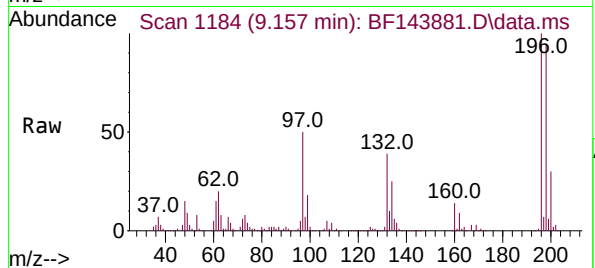
Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



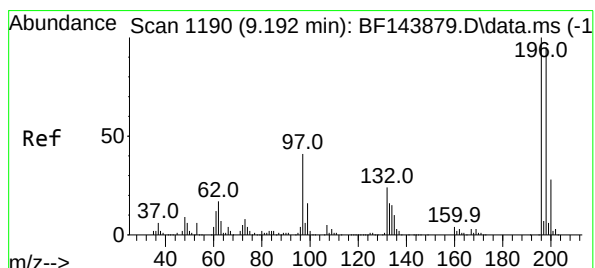
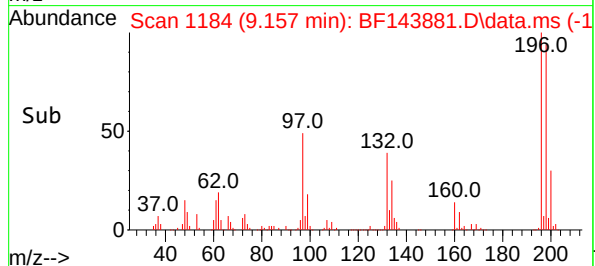
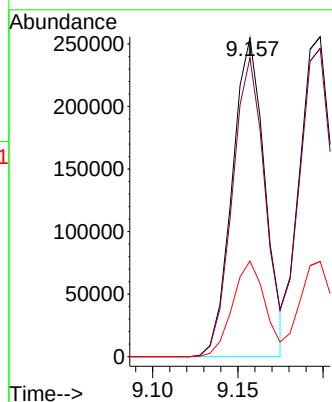
Tgt Ion:196 Resp: 338809

Ion Ratio Lower Upper

196 100

198 93.7 72.8 109.2

200 30.0 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 56.620 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Tgt Ion:196 Resp: 345605

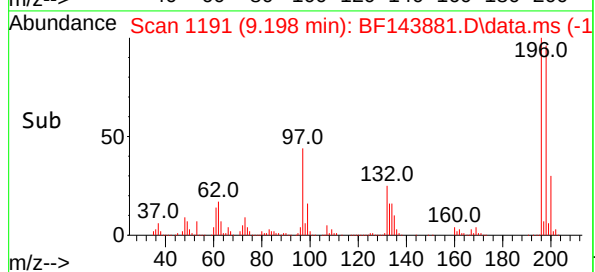
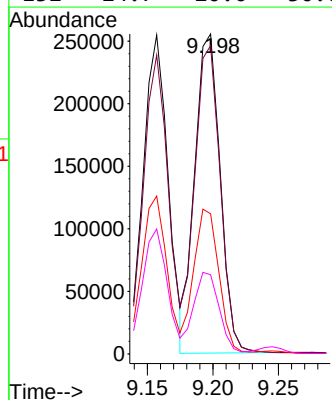
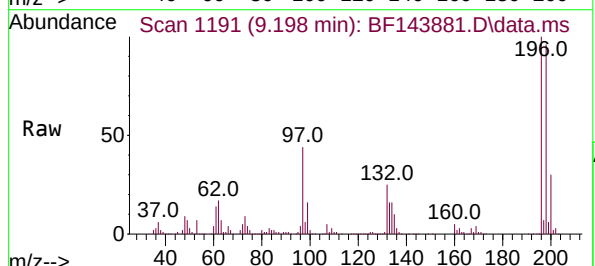
Ion Ratio Lower Upper

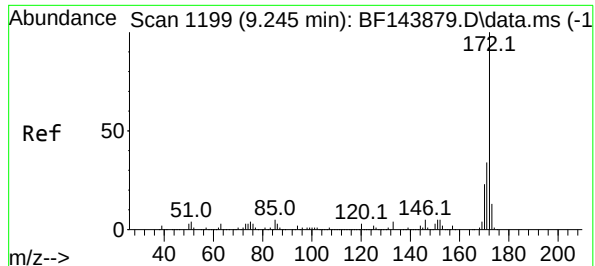
196 100

198 96.3 75.5 113.3

97 43.8 33.9 50.9

132 24.7 20.0 30.0





#45

2-Fluorobiphenyl

Concen: 97.871 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

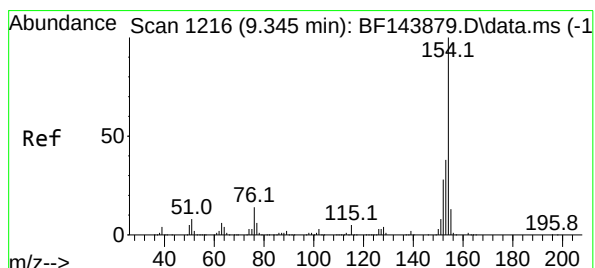
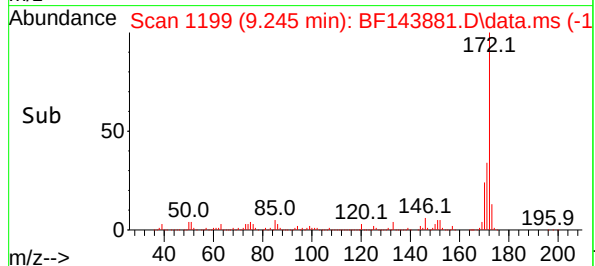
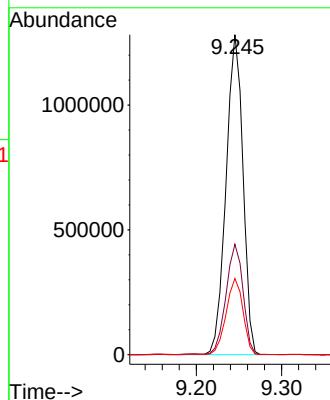
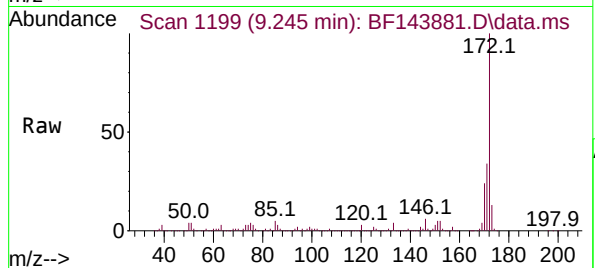
Tgt Ion:172 Resp: 1764203

Ion Ratio Lower Upper

172 100

171 34.5 27.4 41.0

170 23.8 18.6 28.0



#46

1,1'-Biphenyl

Concen: 53.040 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

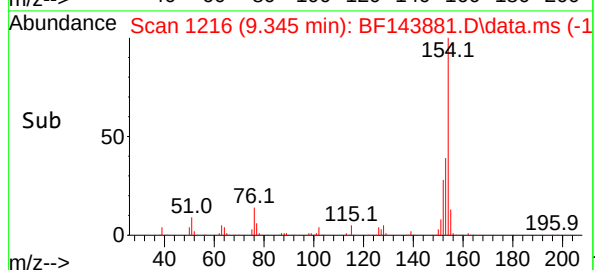
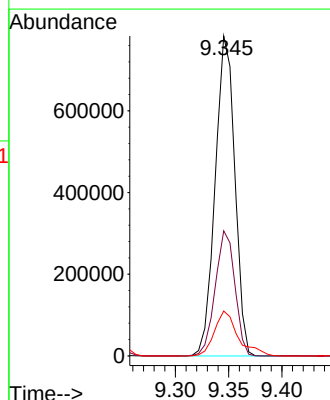
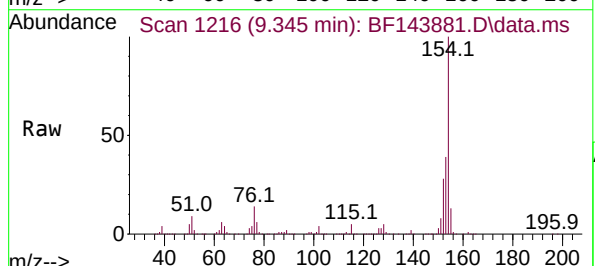
Tgt Ion:154 Resp: 1004440

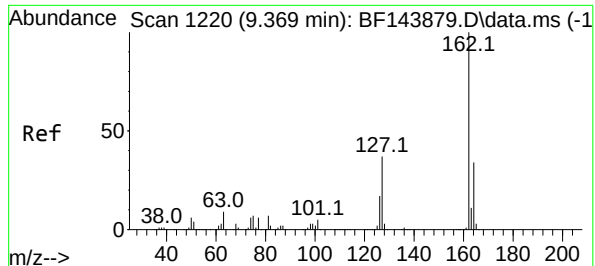
Ion Ratio Lower Upper

154 100

153 39.1 18.4 58.4

76 14.0 0.0 34.0





#47

2-Chloronaphthalene

Concen: 54.531 ng

RT: 9.375 min Scan# 1221

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

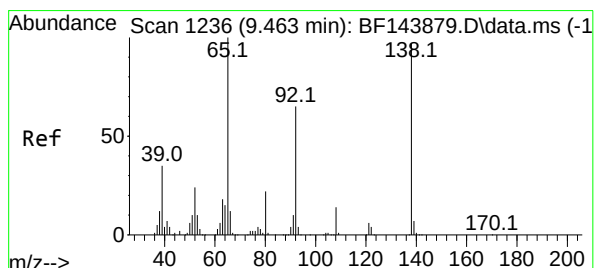
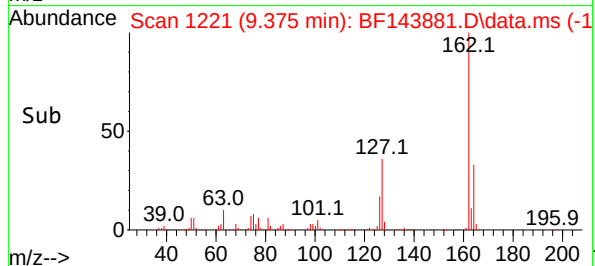
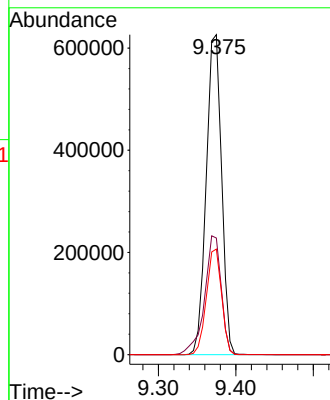
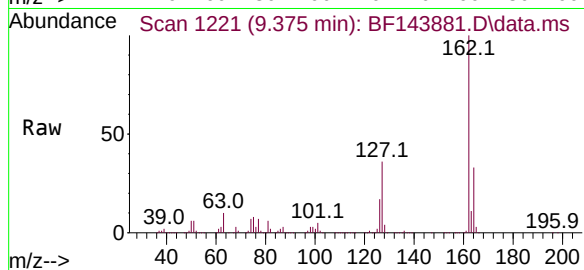
Tgt Ion:162 Resp: 860999

Ion Ratio Lower Upper

162 100

127 36.4 30.2 45.2

164 33.0 26.9 40.3



#48

2-Nitroaniline

Concen: 62.679 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

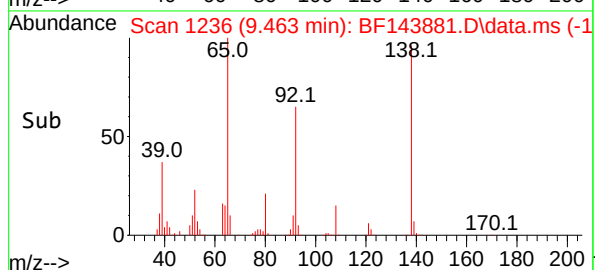
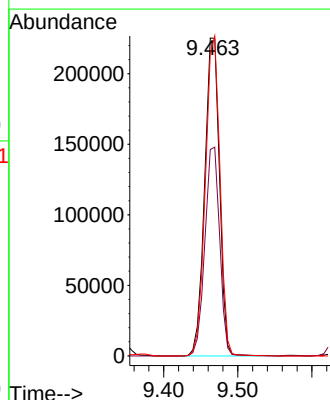
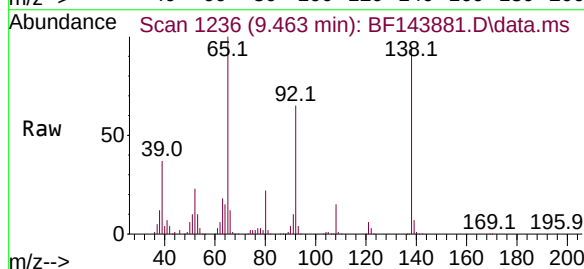
Tgt Ion: 65 Resp: 312884

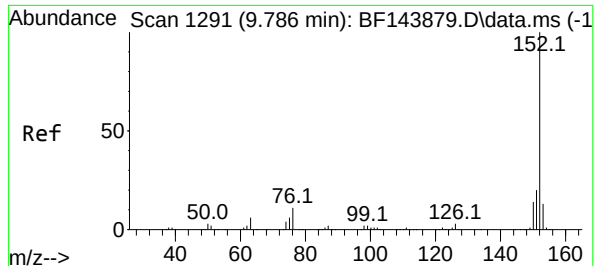
Ion Ratio Lower Upper

65 100

92 64.9 52.1 78.1

138 95.3 77.4 116.2





#49

Acenaphthylene

Concen: 55.140 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

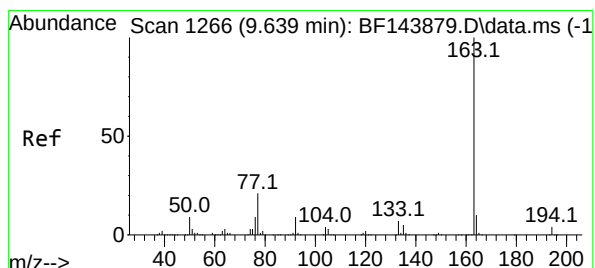
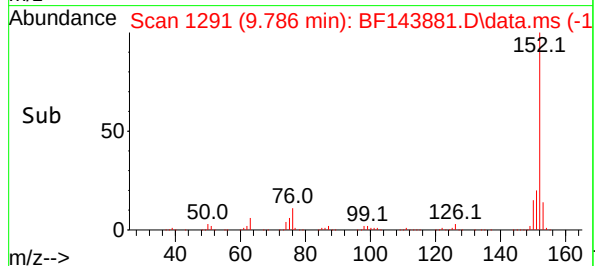
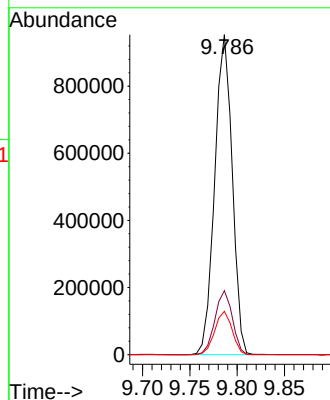
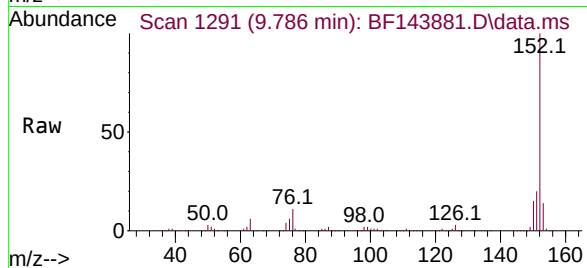
Tgt Ion:152 Resp: 1223951

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.6

153 13.5 10.5 15.7



#50

Dimethylphthalate

Concen: 56.783 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

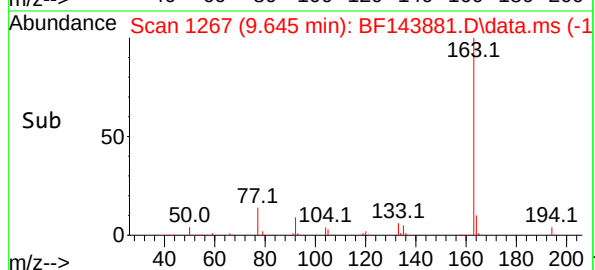
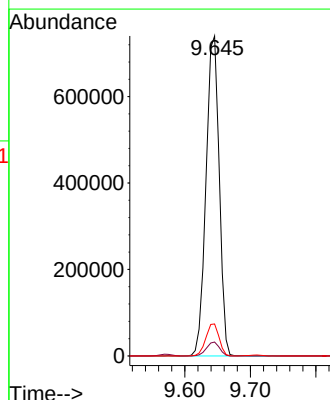
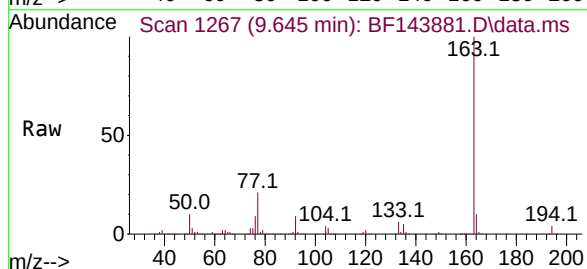
Tgt Ion:163 Resp: 1031391

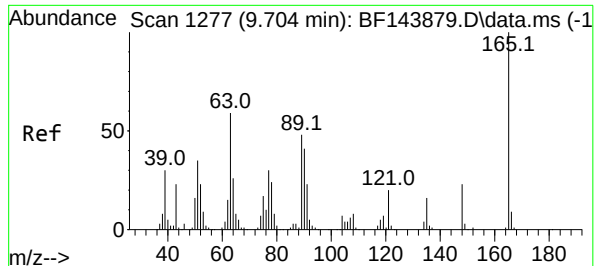
Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

164 10.0 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 63.587 ng

RT: 9.710 min Scan# 1277

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

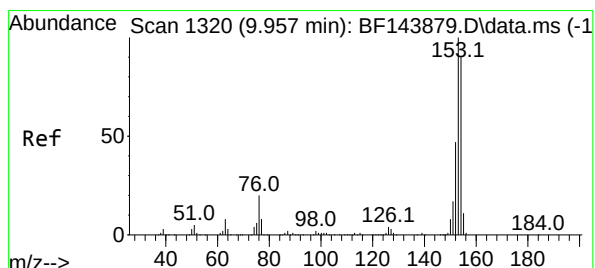
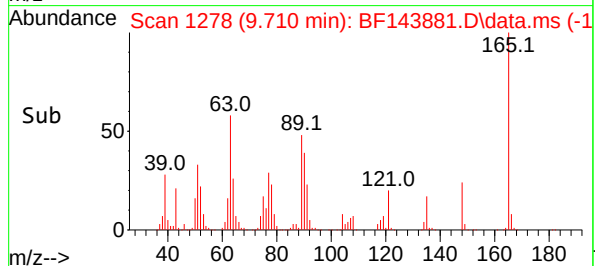
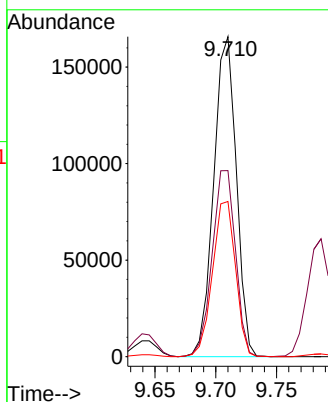
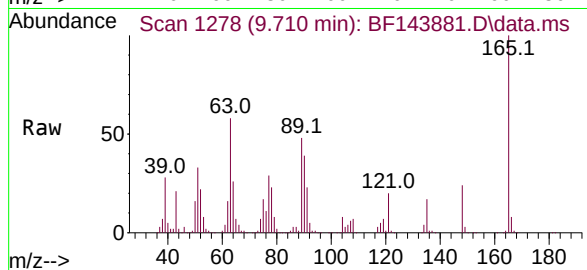
Tgt Ion:165 Resp: 214169

Ion Ratio Lower Upper

165 100

63 58.1 47.3 70.9

89 48.5 38.2 57.4



#52

Acenaphthene

Concen: 55.124 ng

RT: 9.963 min Scan# 1321

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

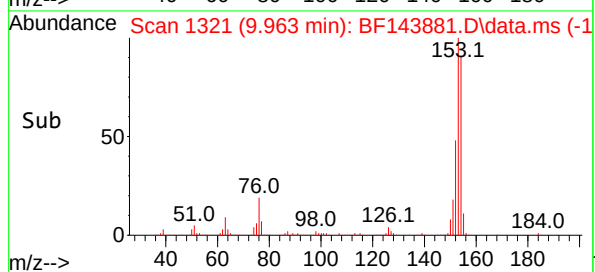
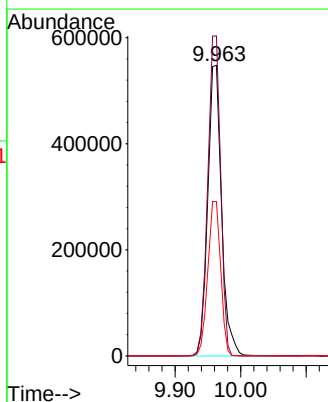
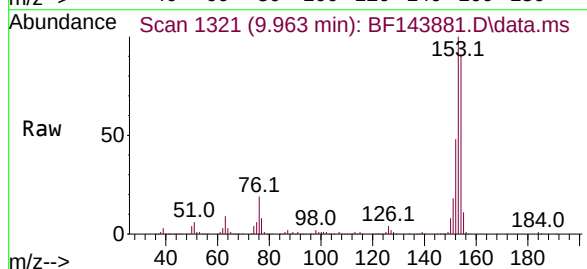
Tgt Ion:154 Resp: 801773

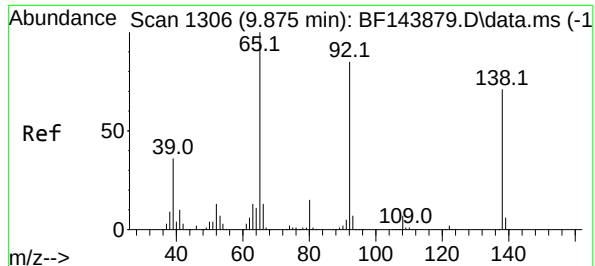
Ion Ratio Lower Upper

154 100

153 110.2 89.3 133.9

152 53.1 42.2 63.2

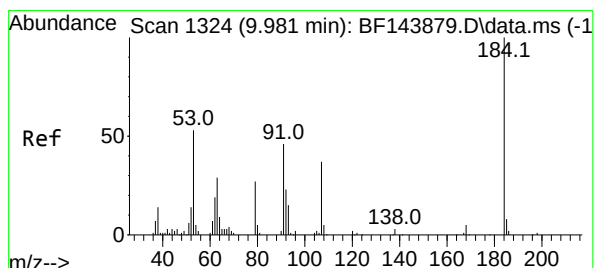
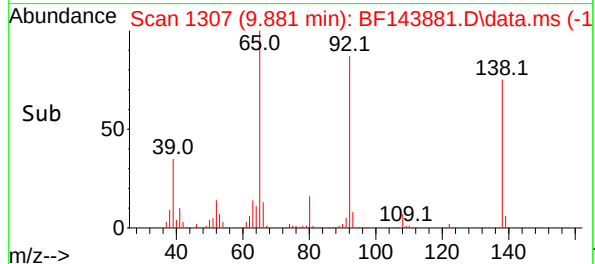
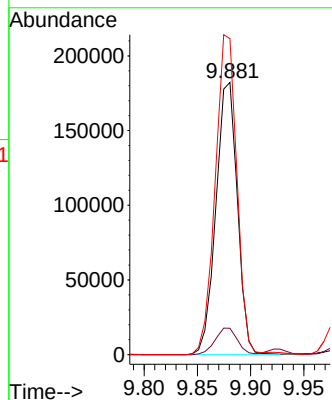
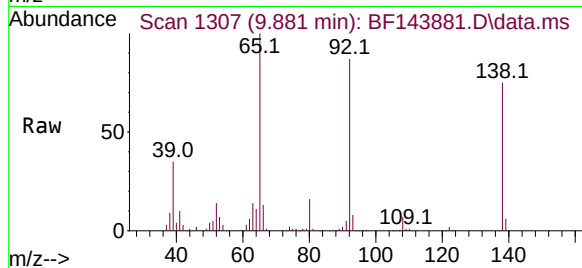




#53
3-Nitroaniline
Concen: 62.070 ng
RT: 9.881 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

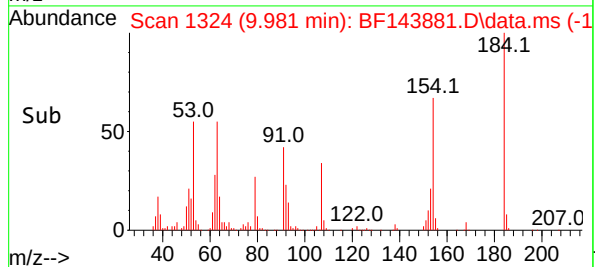
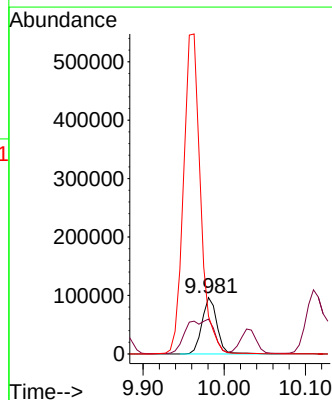
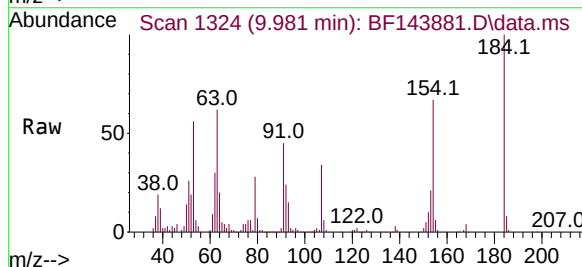
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

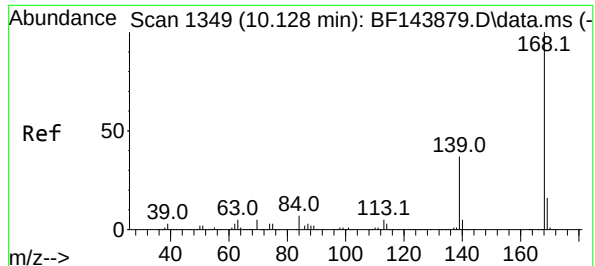
Tgt Ion:138 Resp: 255984
Ion Ratio Lower Upper
138 100
108 9.7 8.3 12.5
92 116.1 96.2 144.2



#54
2,4-Dinitrophenol
Concen: 61.138 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:184 Resp: 123295
Ion Ratio Lower Upper
184 100
63 61.8 48.2 72.4
154 66.8 49.2 73.8





#55

Dibenzofuran

Concen: 54.120 ng

RT: 10.133 min Scan# 1349

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

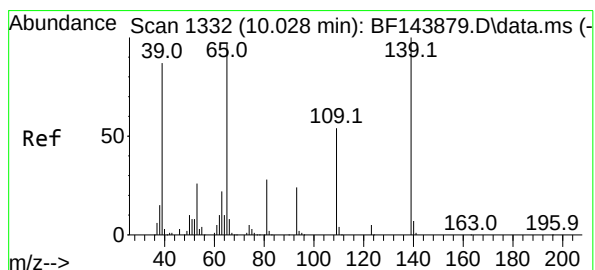
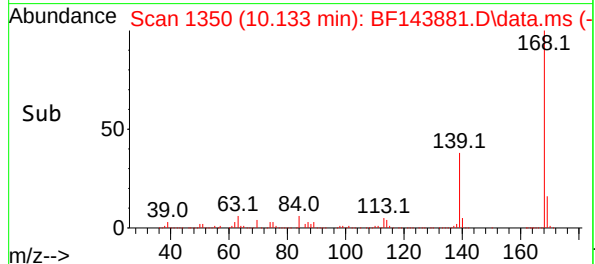
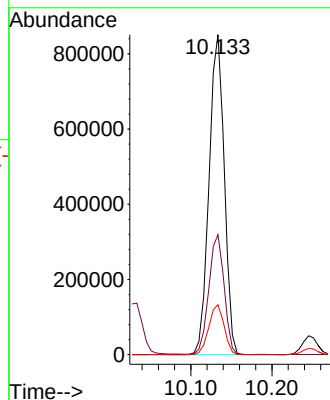
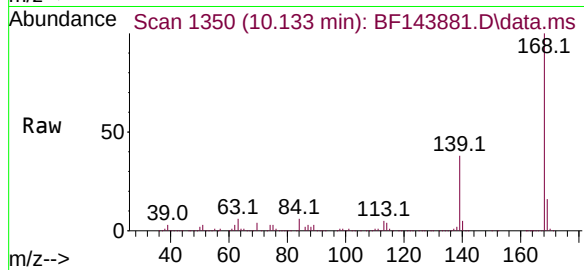
Tgt Ion:168 Resp: 1111183

Ion Ratio Lower Upper

168 100

139 37.5 29.8 44.8

169 15.6 12.8 19.2



#56

4-Nitrophenol

Concen: 62.550 ng

RT: 10.034 min Scan# 1333

Delta R.T. -0.005 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

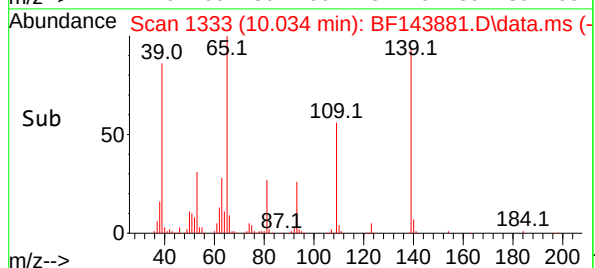
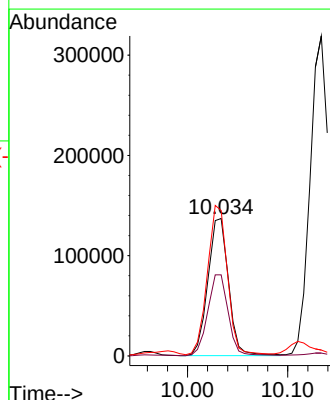
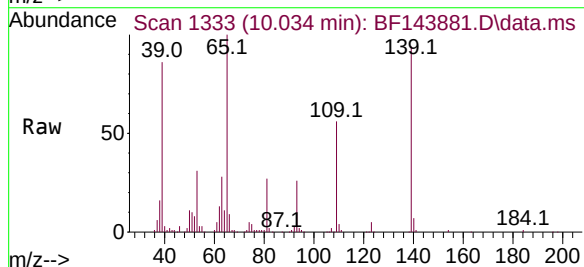
Tgt Ion:139 Resp: 195321

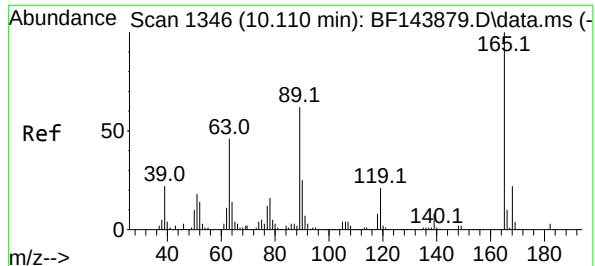
Ion Ratio Lower Upper

139 100

109 59.0 34.5 74.5

65 105.8 77.6 117.6

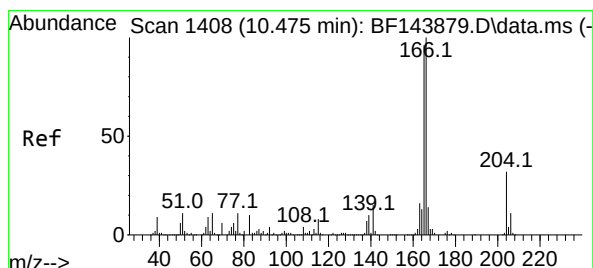
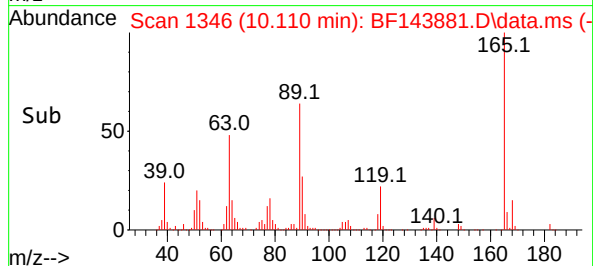
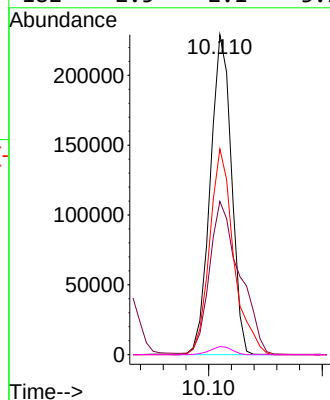
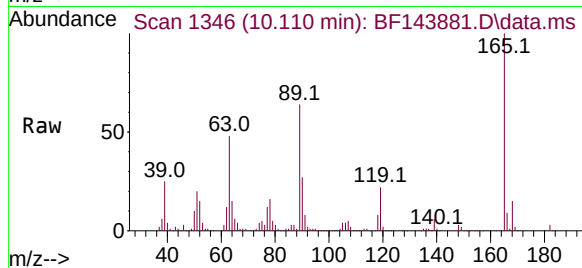




#57
2,4-Dinitrotoluene
Concen: 64.812 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

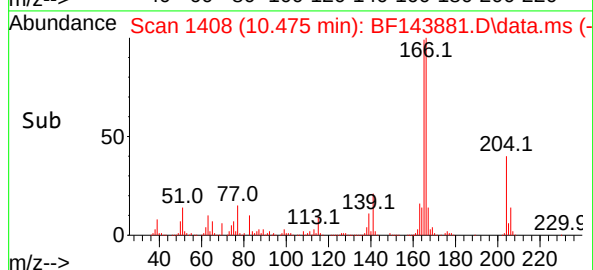
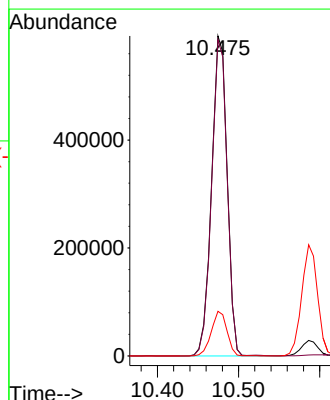
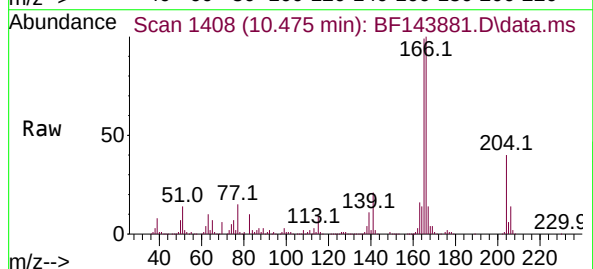
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

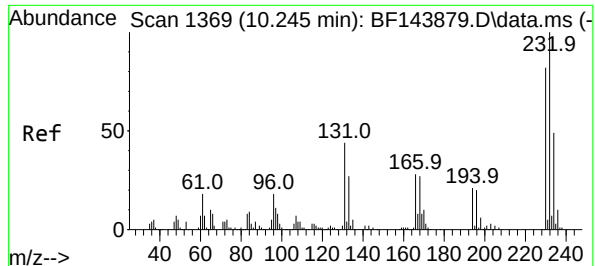
Tgt Ion:165 Resp: 297018
Ion Ratio Lower Upper
165 100
63 47.9 37.2 55.8
89 64.3 49.4 74.2
182 2.5 2.1 3.1



#58
Fluorene
Concen: 51.090 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:166 Resp: 791518
Ion Ratio Lower Upper
166 100
165 98.8 77.0 115.6
167 13.9 11.1 16.7

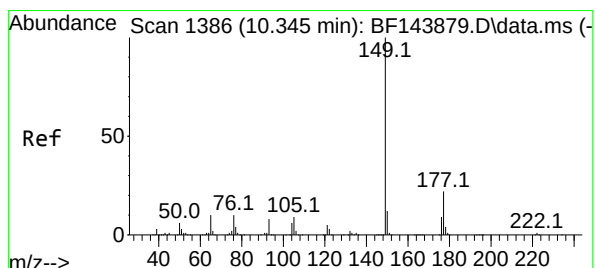
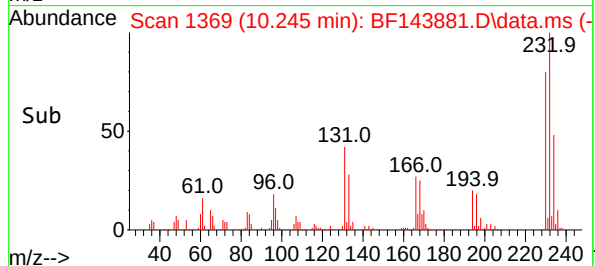
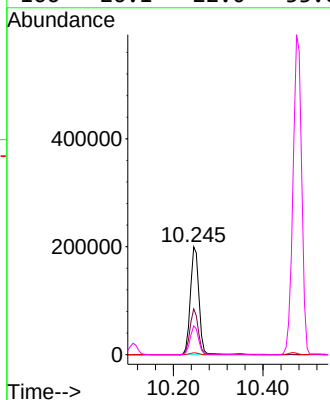
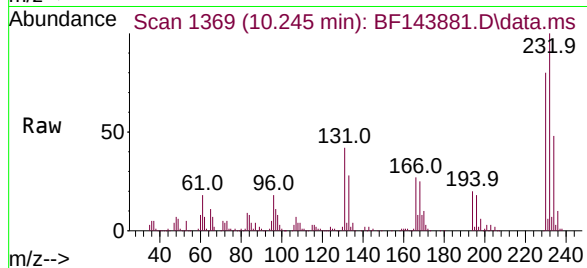




#59
2,3,4,6-Tetrachlorophenol
Concen: 61.283 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

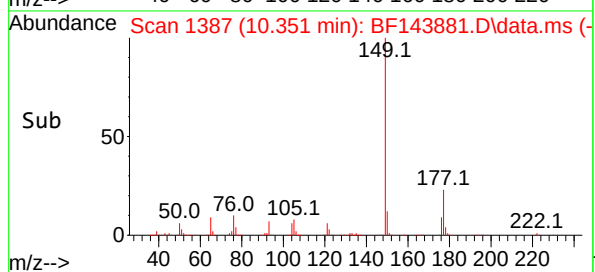
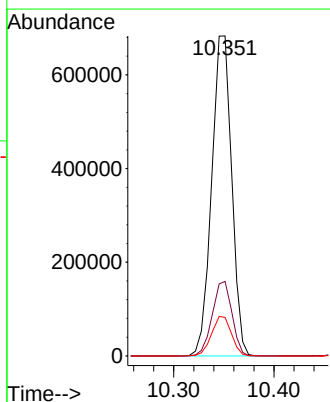
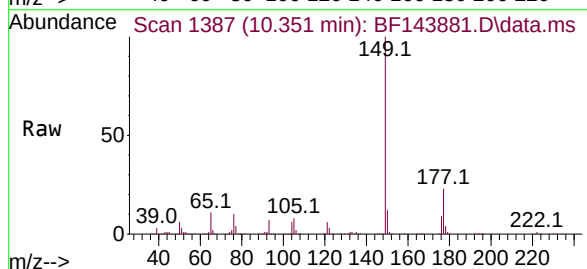
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

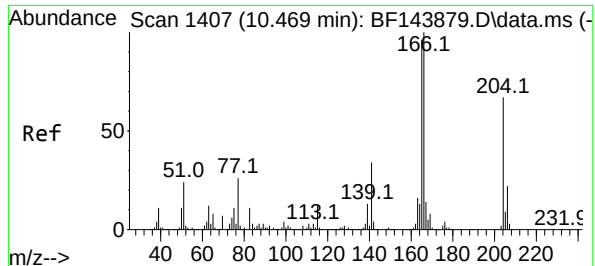
Tgt Ion:232 Resp: 264796
Ion Ratio Lower Upper
232 100
131 41.1 34.9 52.3
130 1.6 1.6 2.4#
166 26.1 22.0 33.0



#60
Diethylphthalate
Concen: 56.214 ng
RT: 10.351 min Scan# 1387
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:149 Resp: 948580
Ion Ratio Lower Upper
149 100
177 23.3 17.9 26.9
150 12.0 9.8 14.8

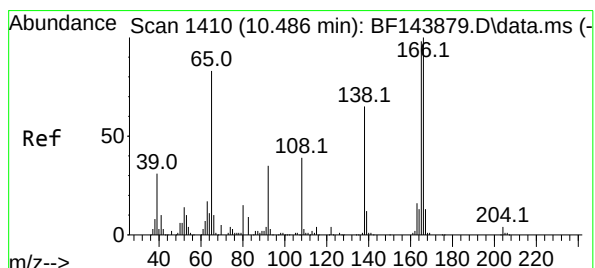
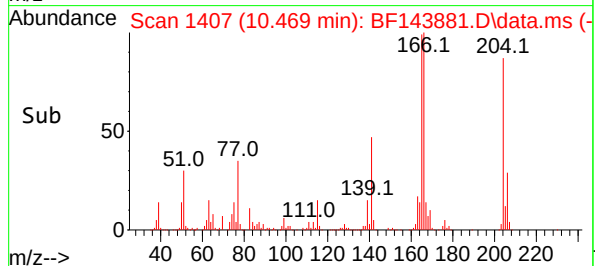
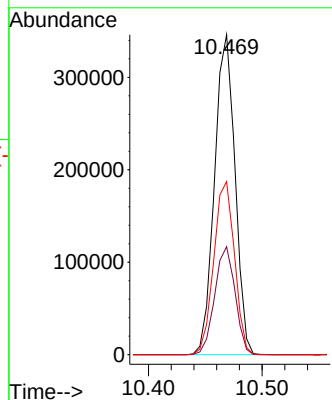
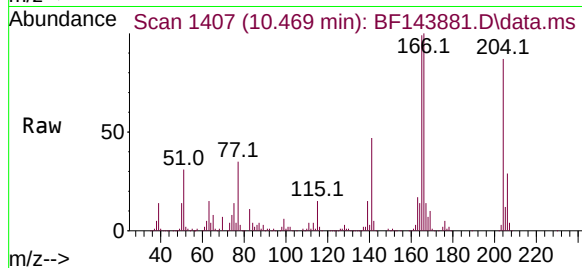




#61
4-Chlorophenyl-phenylether
Concen: 52.905 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

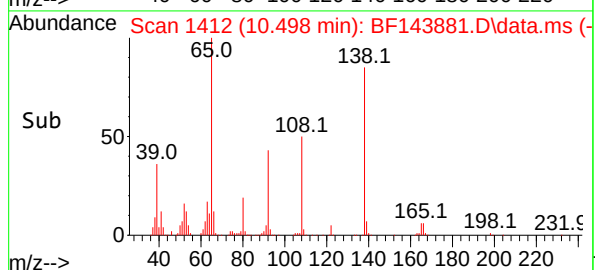
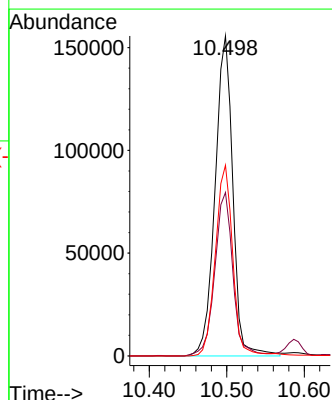
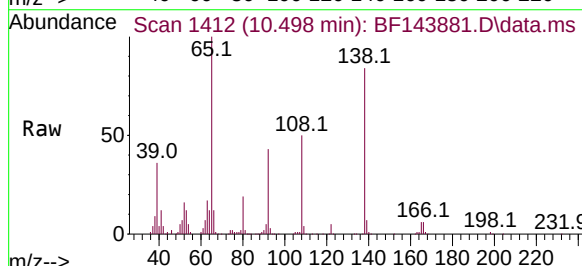
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

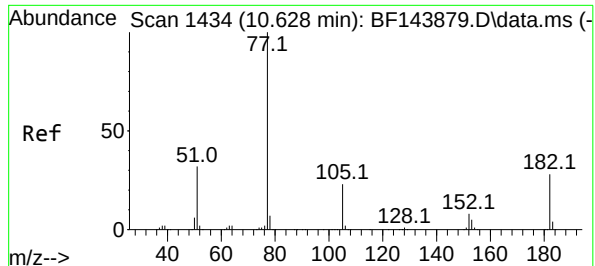
Tgt Ion:204 Resp: 433339
Ion Ratio Lower Upper
204 100
206 33.7 26.6 40.0
141 54.1 40.4 60.6



#62
4-Nitroaniline
Concen: 62.288 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:138 Resp: 247024
Ion Ratio Lower Upper
138 100
92 51.1 33.9 73.9
108 59.6 40.2 80.2

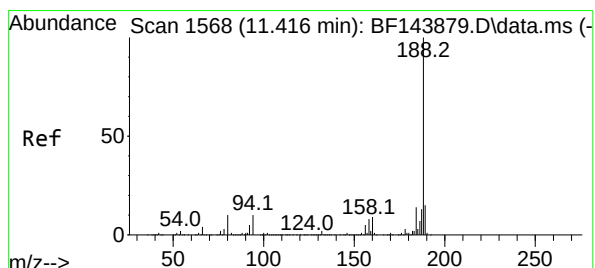
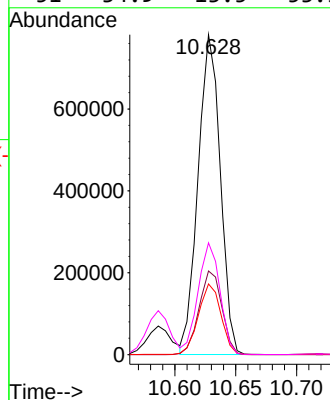
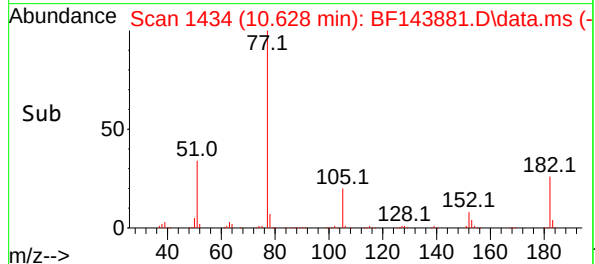
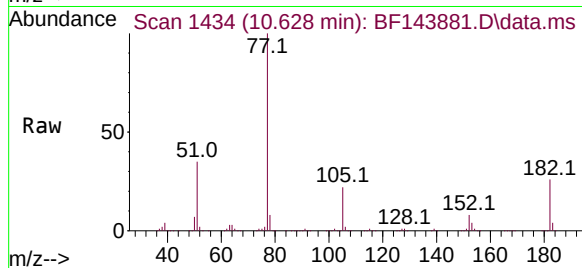




#63
Azobenzene
Concen: 56.252 ng
RT: 10.628 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

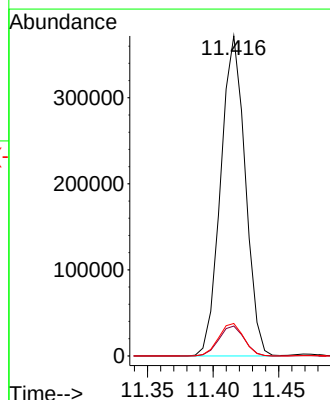
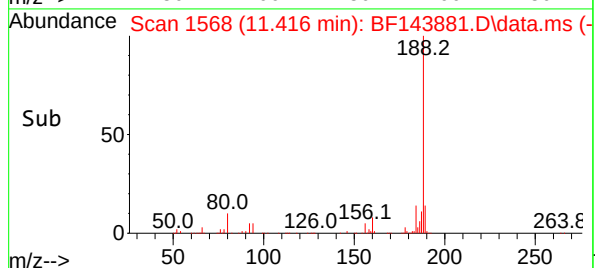
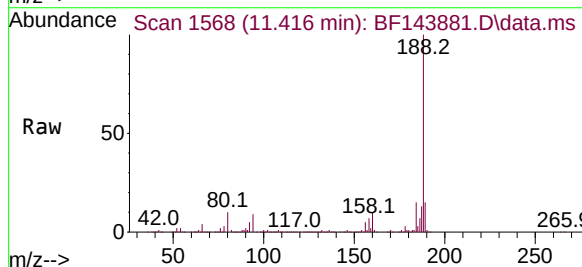
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

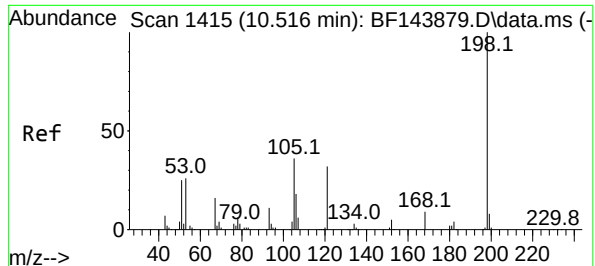
Tgt Ion: 77	Resp: 992054
Ion Ratio	Lower Upper
77	100
182	26.1 7.3 47.3
105	22.1 3.0 43.0
51	34.9 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 188	Resp: 485489
Ion Ratio	Lower Upper
188	100
94	9.3 7.8 11.6
80	10.1 7.9 11.9

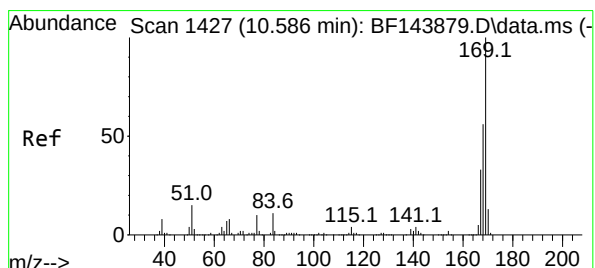
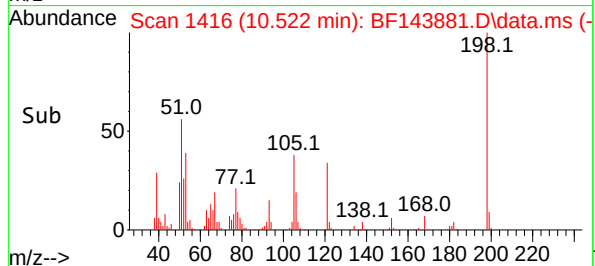
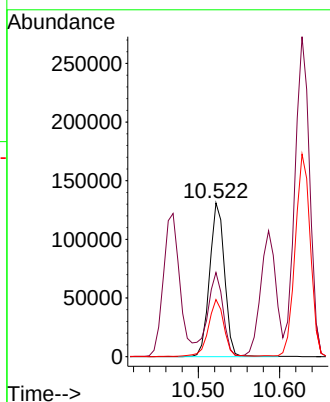
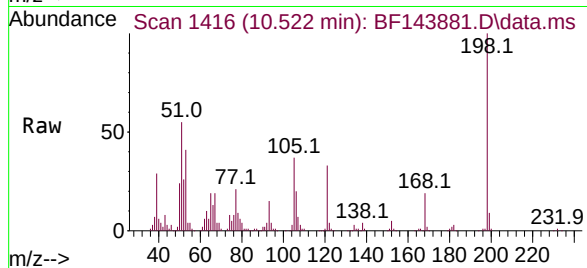




#65
4,6-Dinitro-2-methylphenol
Concen: 68.344 ng
RT: 10.522 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

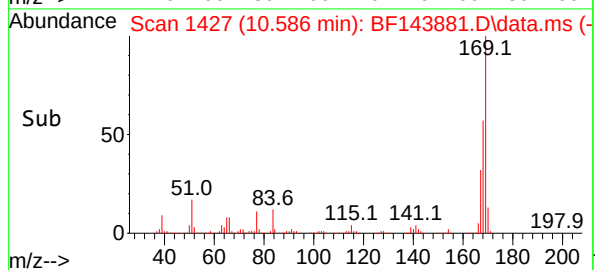
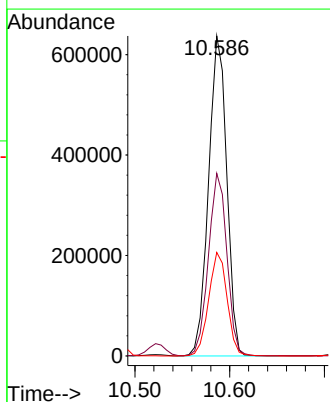
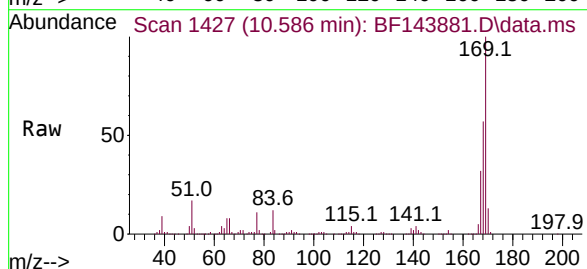
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

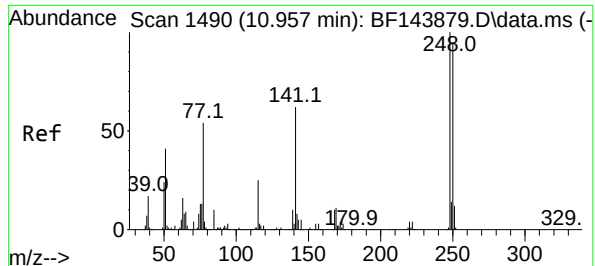
Tgt Ion:198 Resp: 166740
Ion Ratio Lower Upper
198 100
51 54.7 33.8 73.8
105 37.2 17.0 57.0



#66
n-Nitrosodiphenylamine
Concen: 55.797 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:169 Resp: 850570
Ion Ratio Lower Upper
169 100
168 57.0 44.9 67.3
167 32.3 26.3 39.5

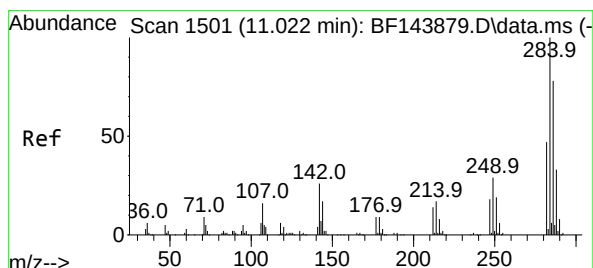
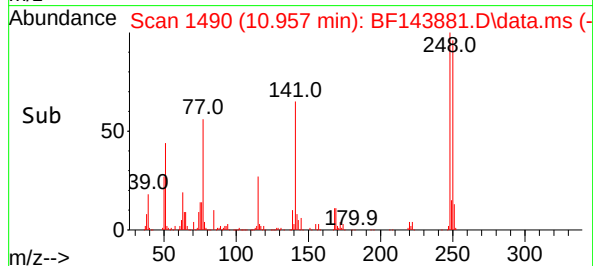
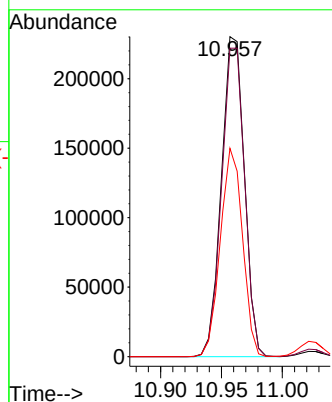
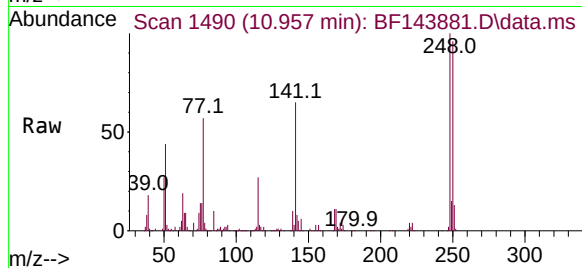




#67
4-Bromophenyl-phenylether
Concen: 56.317 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

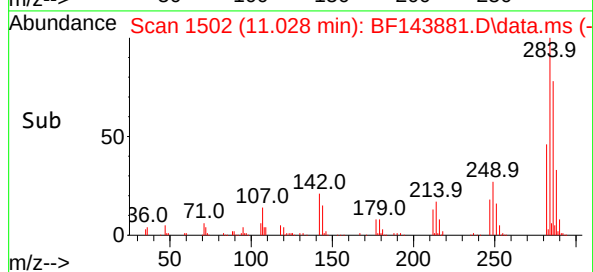
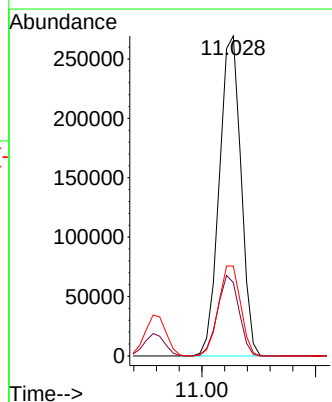
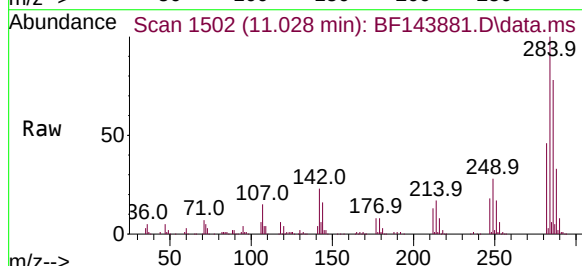
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

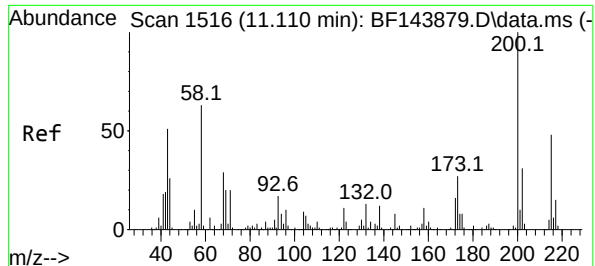
Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.4	76.3	114.5
141	65.1	49.7	74.5



#68
Hexachlorobenzene
Concen: 57.378 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion	Ratio	Lower	Upper
284	100		
142	22.9	20.6	30.8
249	28.1	23.2	34.8





#69

Atrazine

Concen: 55.713 ng

RT: 11.116 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

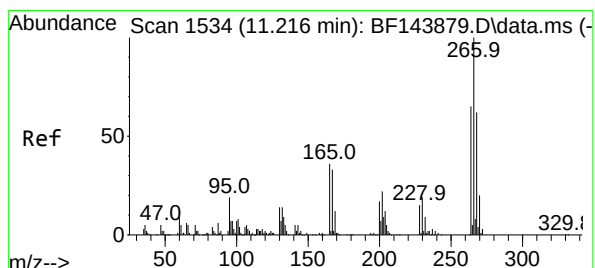
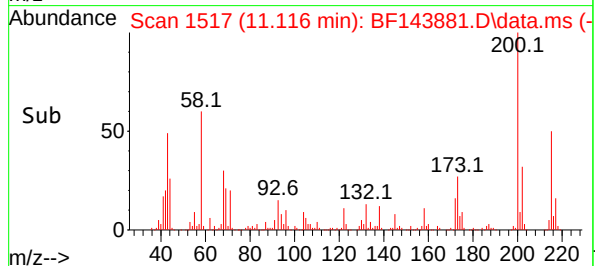
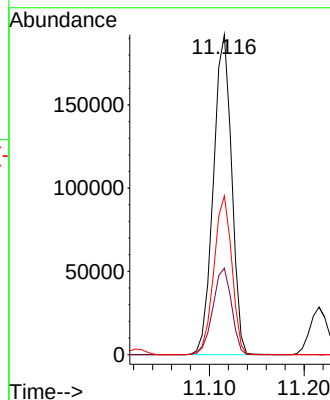
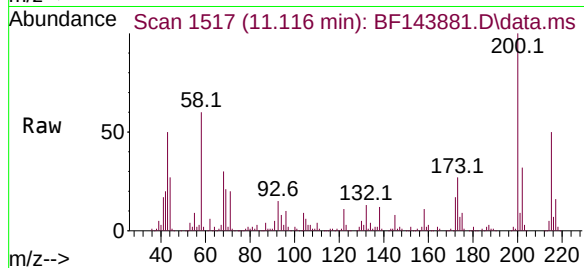
Tgt Ion:200 Resp: 257412

Ion Ratio Lower Upper

200 100

173 27.0 7.0 47.0

215 49.6 27.8 67.8



#70

Pentachlorophenol

Concen: 62.792 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

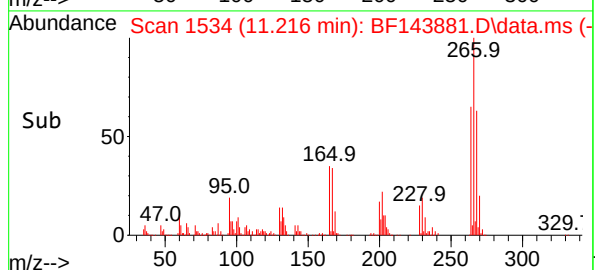
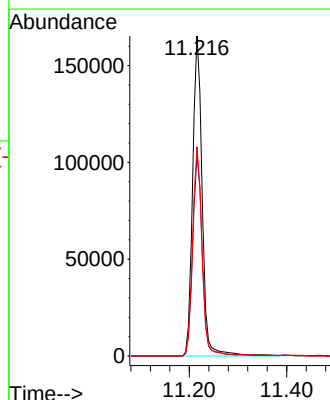
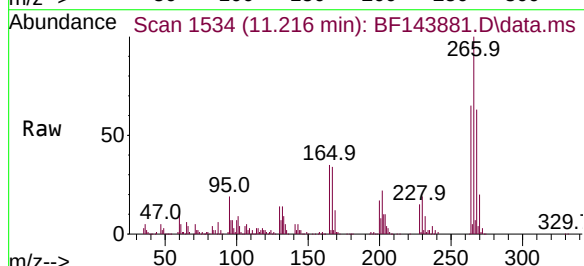
Tgt Ion:266 Resp: 224011

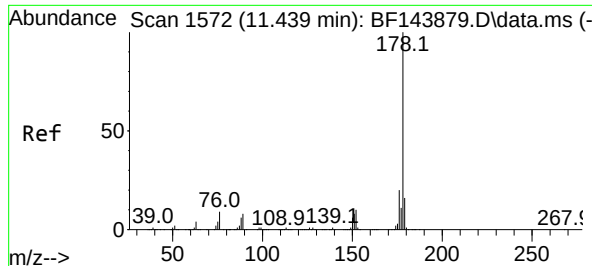
Ion Ratio Lower Upper

266 100

268 62.7 49.4 74.0

264 65.3 51.8 77.6





#71

Phenanthrene

Concen: 53.961 ng

RT: 11.439 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

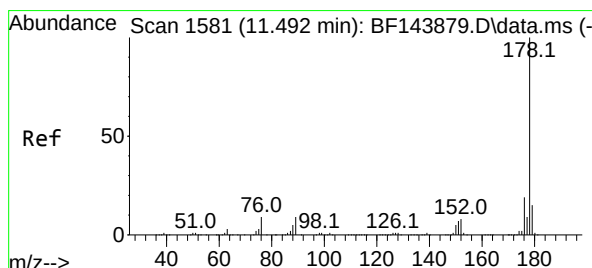
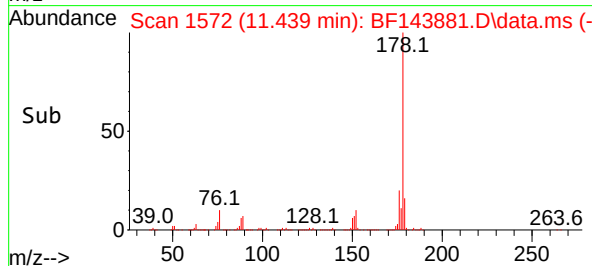
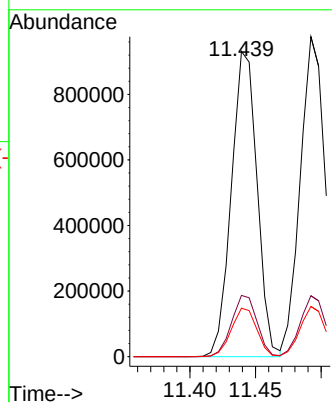
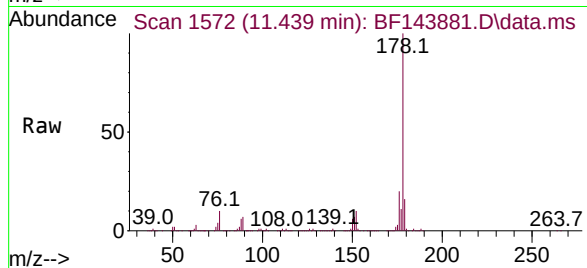
Tgt Ion:178 Resp: 1270063

Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

179 15.9 12.4 18.6



#72

Anthracene

Concen: 53.956 ng

RT: 11.492 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

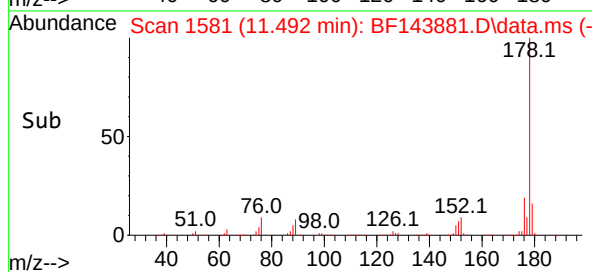
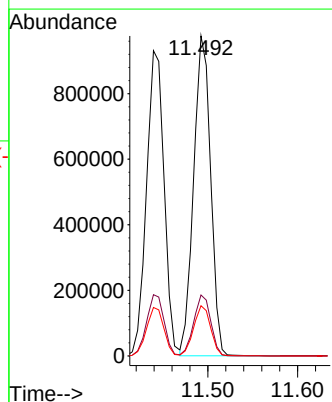
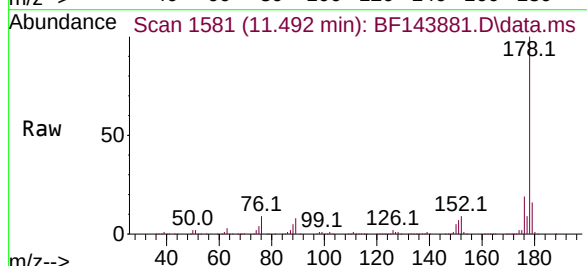
Tgt Ion:178 Resp: 1282940

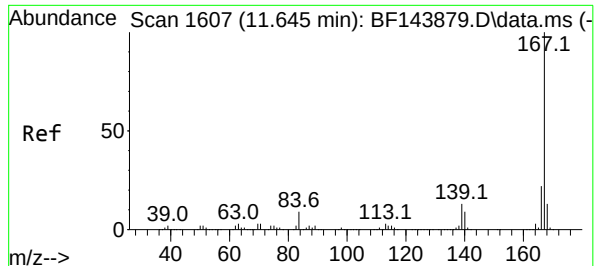
Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

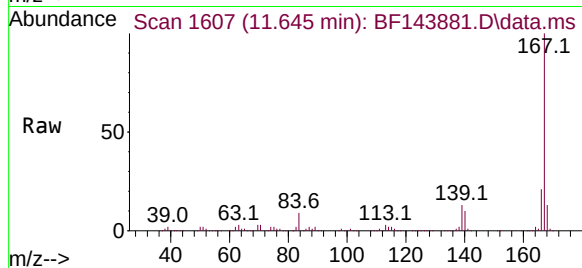
179 15.7 12.2 18.2



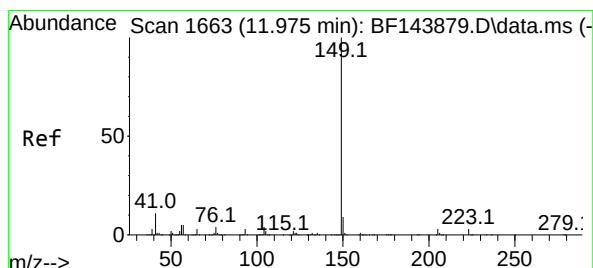
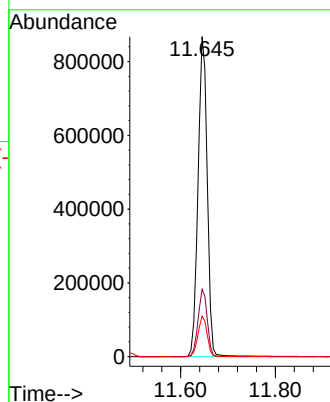
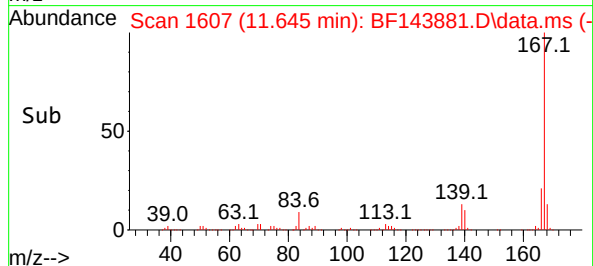


#73
Carbazole
Concen: 55.592 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

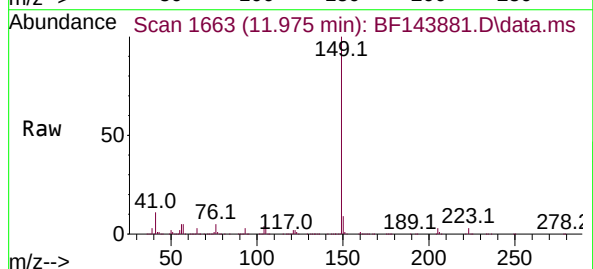
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



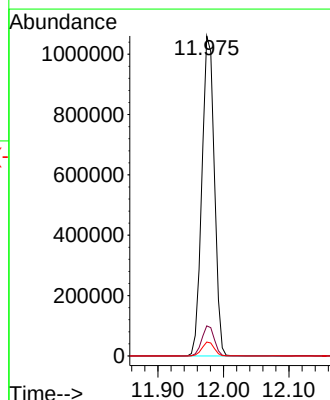
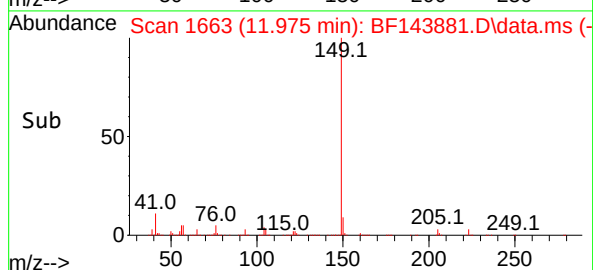
Tgt Ion:167 Resp: 1170717
Ion Ratio Lower Upper
167 100
166 21.0 17.2 25.8
139 12.6 10.1 15.1

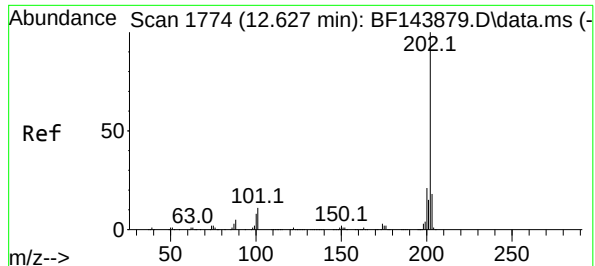


#74
Di-n-butylphthalate
Concen: 56.934 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53



Tgt Ion:149 Resp: 1389569
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 4.3 3.4 5.2

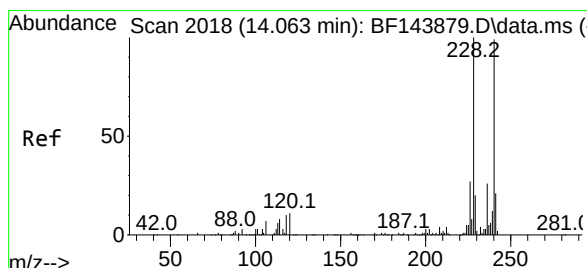
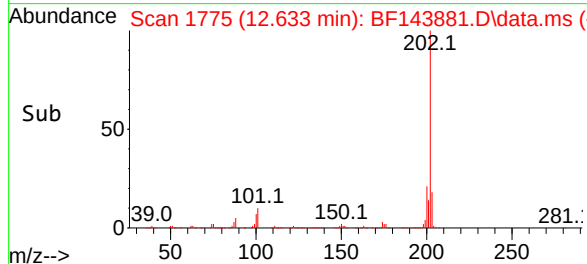
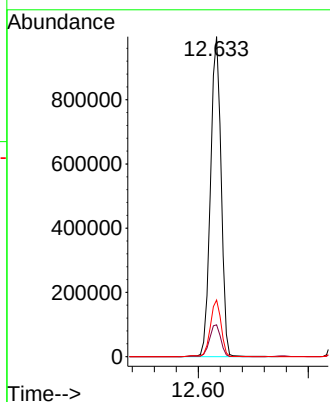
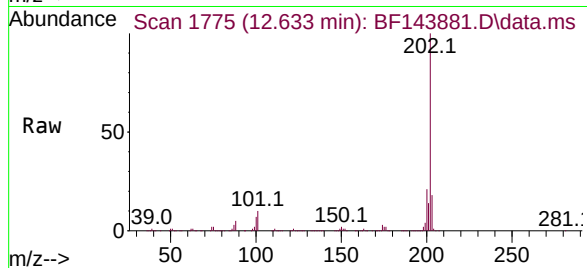




#75
Fluoranthene
Concen: 54.530 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

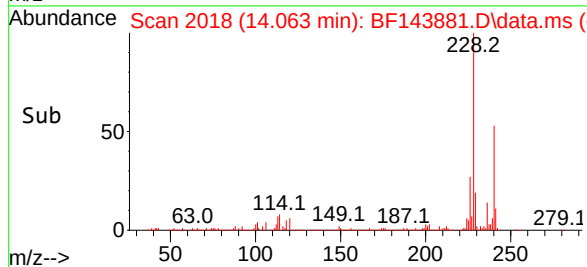
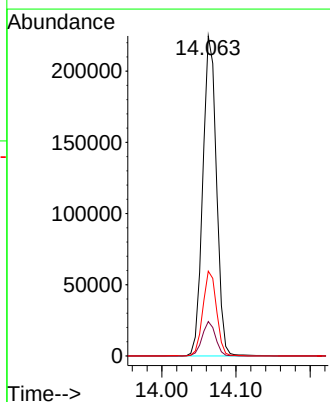
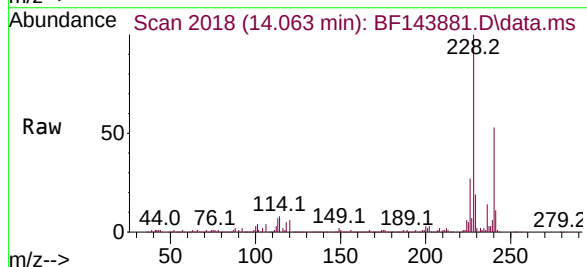
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

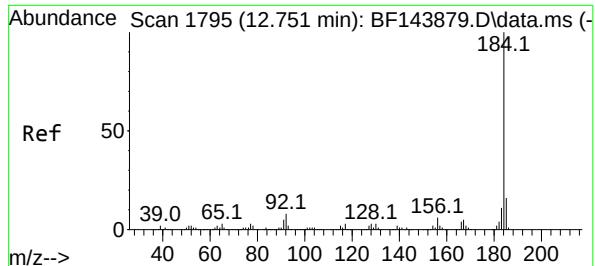
Tgt Ion:202 Resp: 1325716
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.7
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:240 Resp: 287097
Ion Ratio Lower Upper
240 100
120 10.7 8.6 13.0
236 26.5 21.1 31.7





#77

Benzidine

Concen: 55.312 ng

RT: 12.751 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

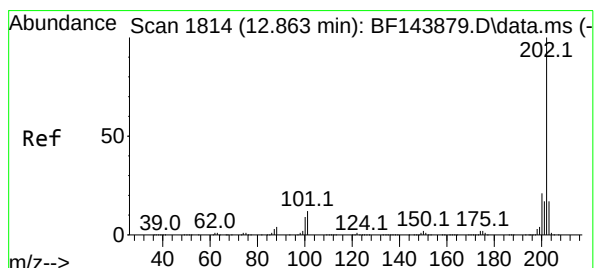
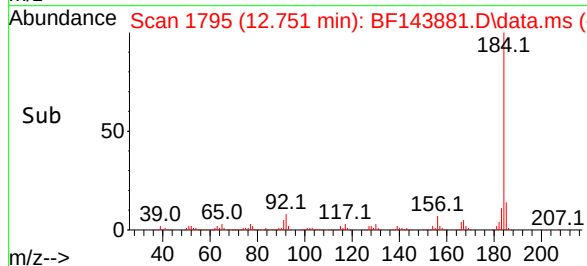
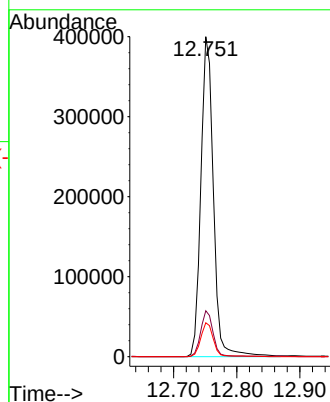
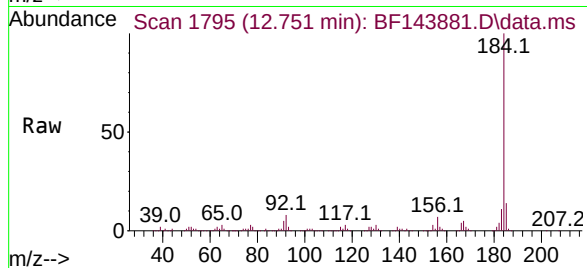
Tgt Ion:184 Resp: 551394

Ion Ratio Lower Upper

184 100

185 14.3 12.6 18.8

183 10.6 8.8 13.2



#78

Pyrene

Concen: 56.800 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

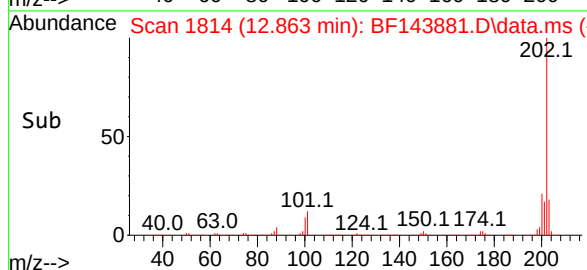
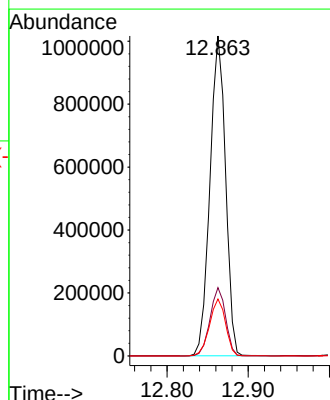
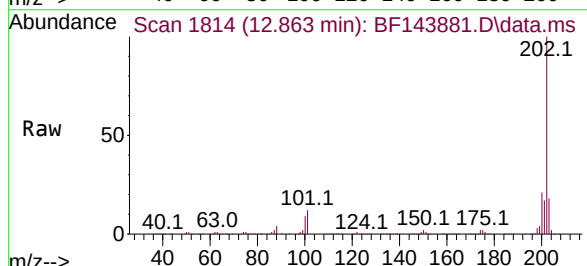
Tgt Ion:202 Resp: 1359513

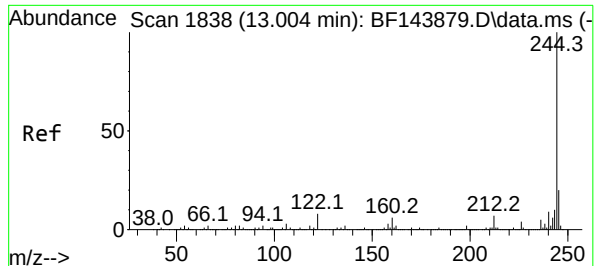
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

203 17.8 13.8 20.6





#79

Terphenyl-d14

Concen: 110.799 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

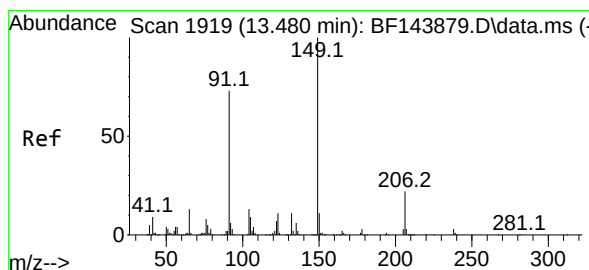
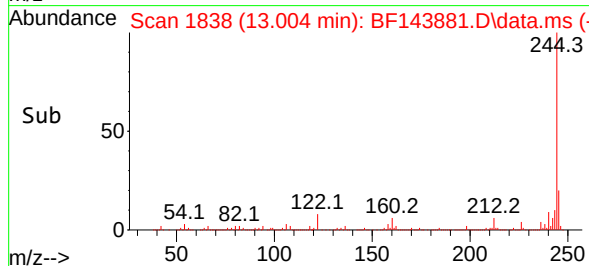
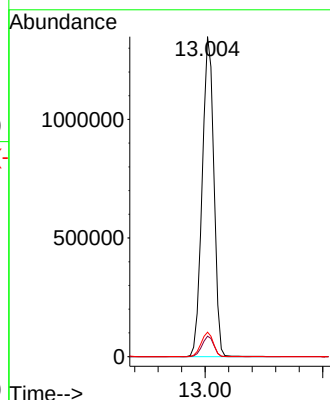
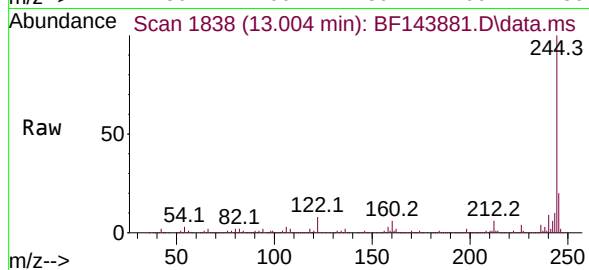
Tgt Ion:244 Resp: 1861234

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 7.6 6.4 9.6



#80

Butylbenzylphthalate

Concen: 61.293 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

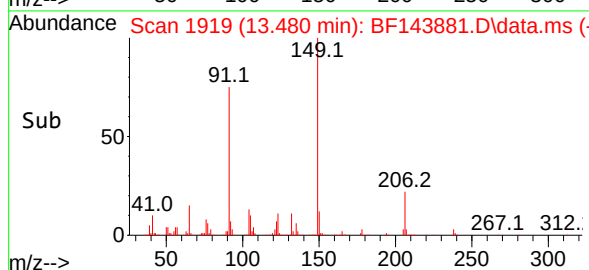
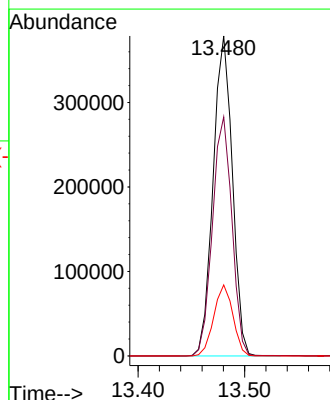
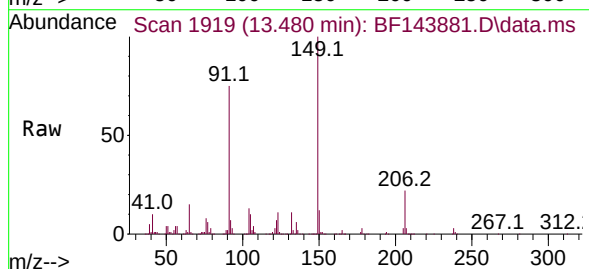
Tgt Ion:149 Resp: 476448

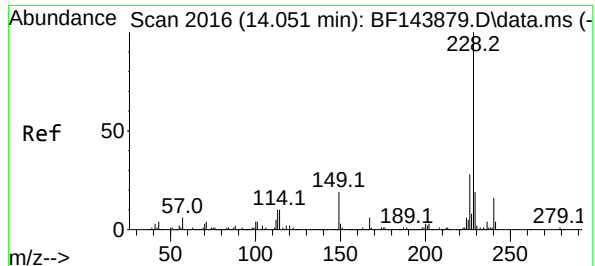
Ion Ratio Lower Upper

149 100

91 74.7 58.2 87.2

206 22.2 17.9 26.9





#81

Benzo(a)anthracene

Concen: 59.168 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

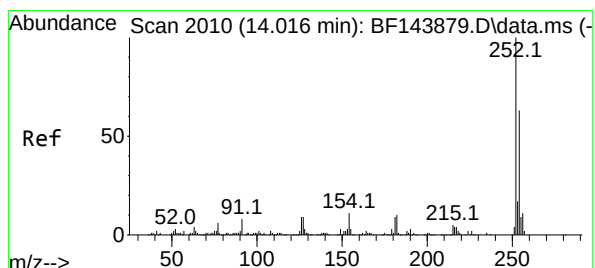
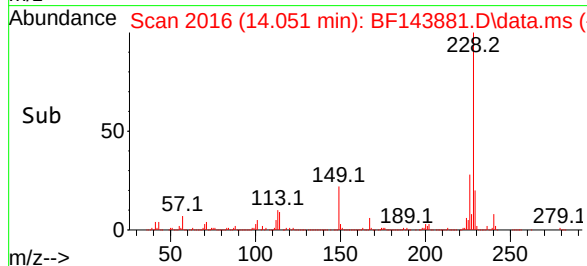
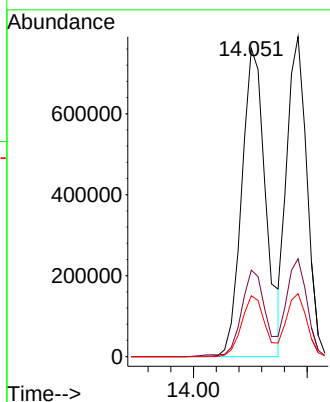
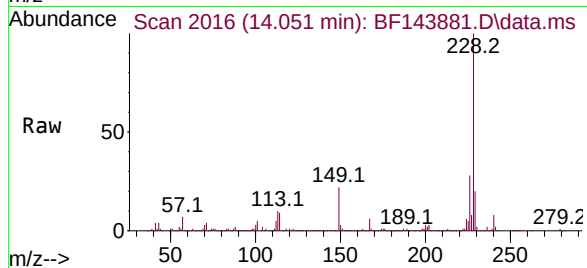
Tgt Ion:228 Resp: 1111626

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.2

229 19.8 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 60.756 ng

RT: 14.016 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

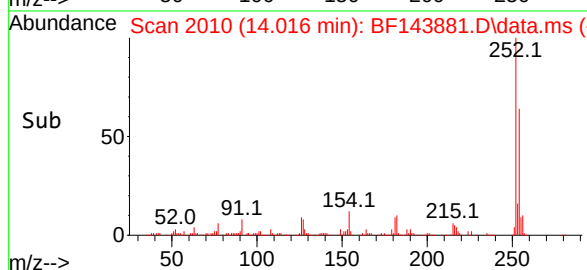
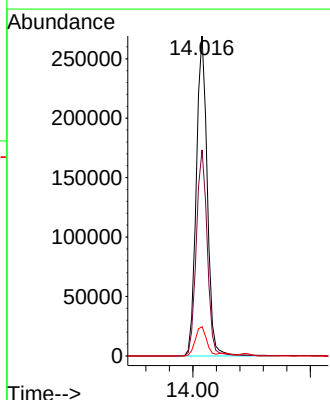
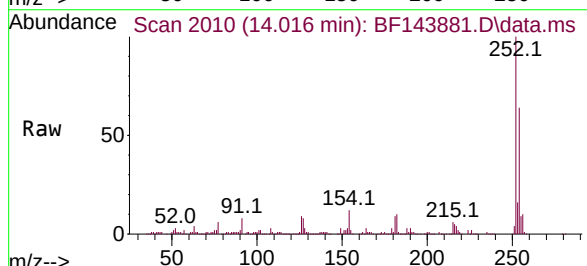
Tgt Ion:252 Resp: 347863

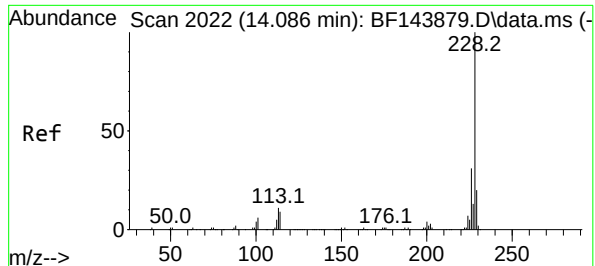
Ion Ratio Lower Upper

252 100

254 64.4 50.6 76.0

126 9.1 7.0 10.6





#83

Chrysene

Concen: 55.770 ng

RT: 14.092 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

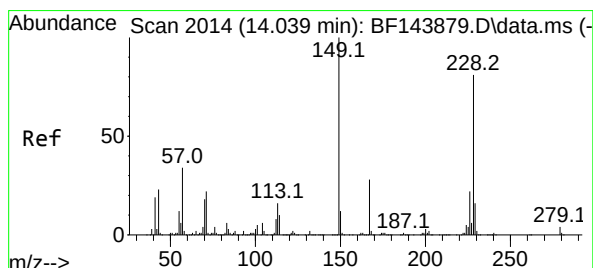
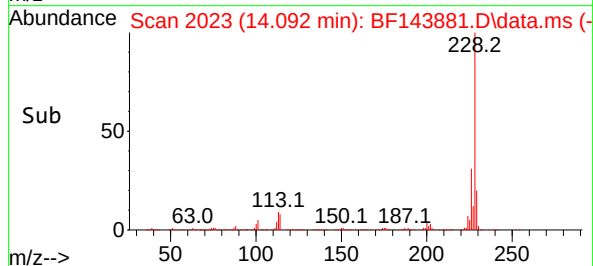
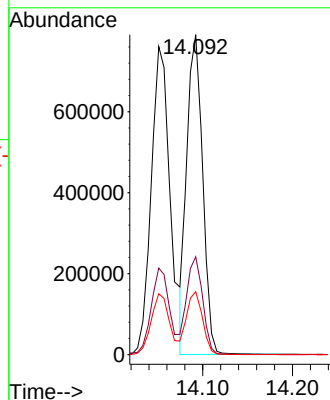
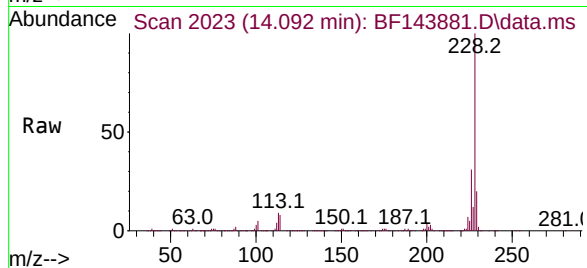
Tgt Ion:228 Resp: 969765

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 19.7 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.804 ng

RT: 14.039 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

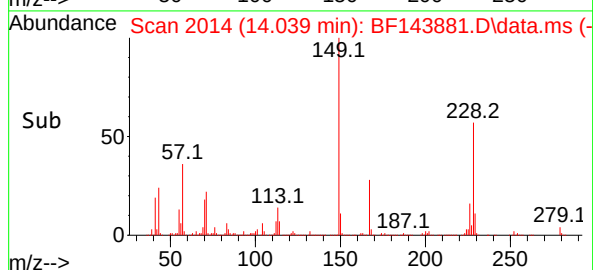
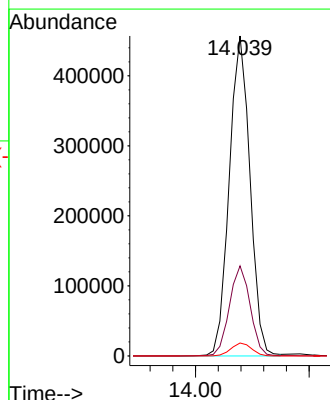
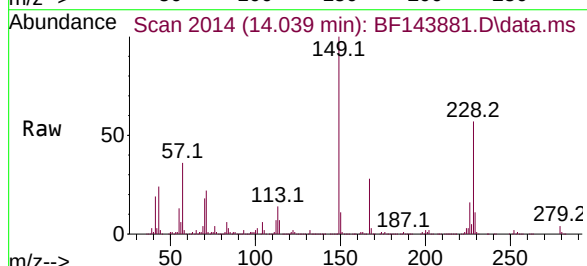
Tgt Ion:149 Resp: 579121

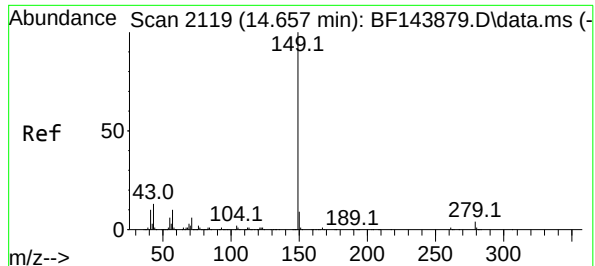
Ion Ratio Lower Upper

149 100

167 28.1 22.2 33.4

279 4.0 3.1 4.7

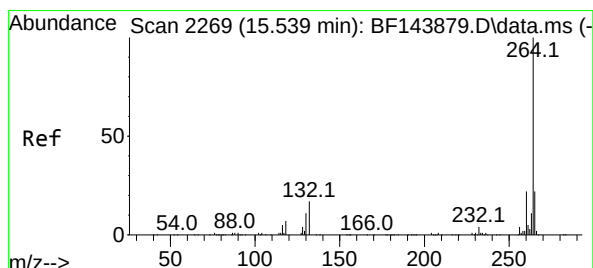
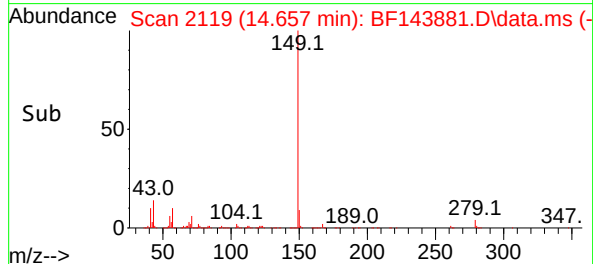
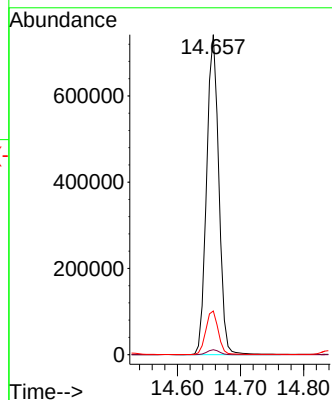
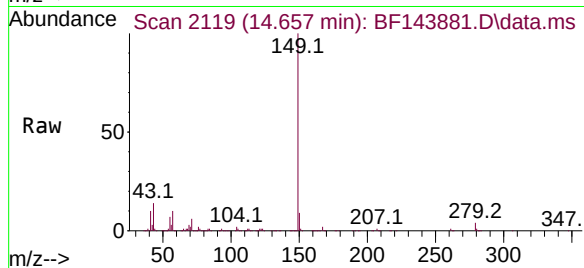




#85
Di-n-octyl phthalate
Concen: 64.431 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

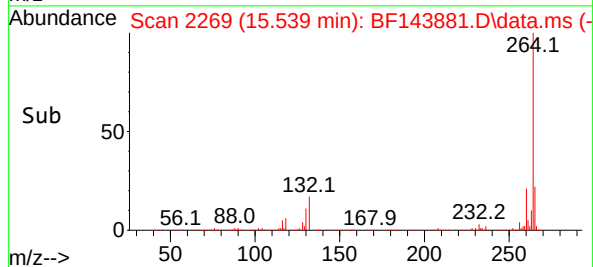
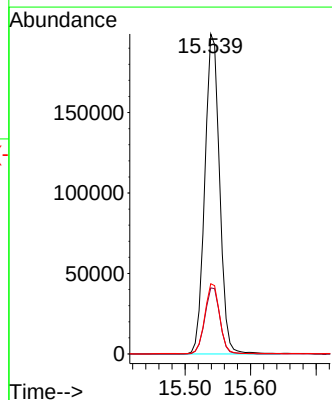
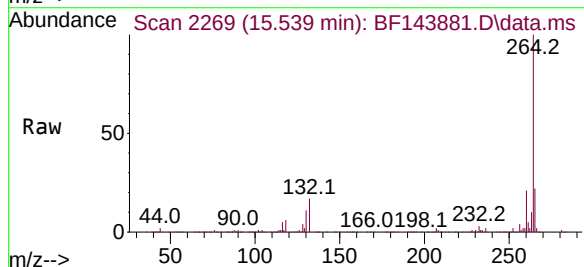
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

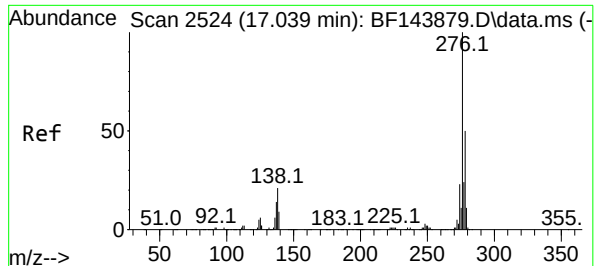
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	14.0	11.0	16.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	20.6	17.8	26.8
265	21.9	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.815 ng

RT: 17.045 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

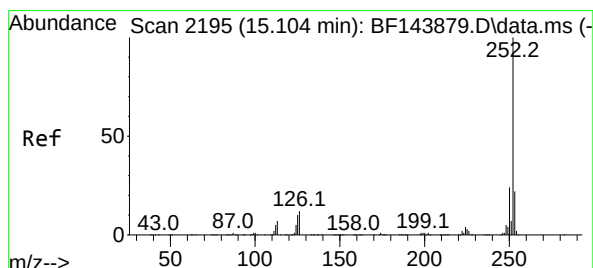
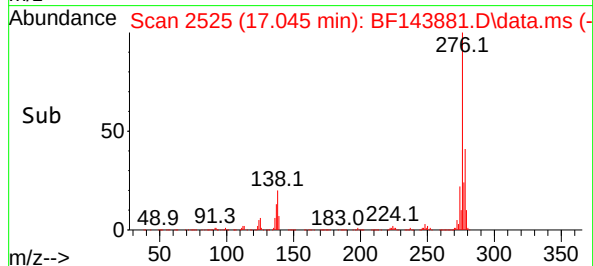
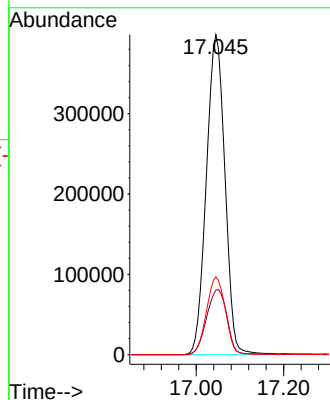
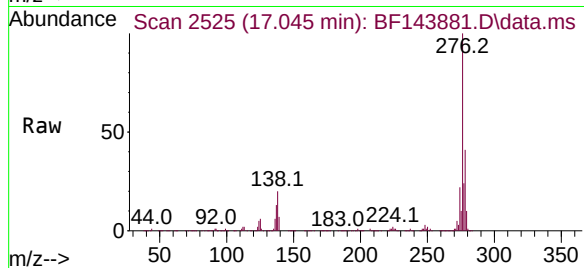
Tgt Ion:276 Resp: 1173726

Ion Ratio Lower Upper

276 100

138 22.3 18.2 27.2

277 24.7 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 62.778 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

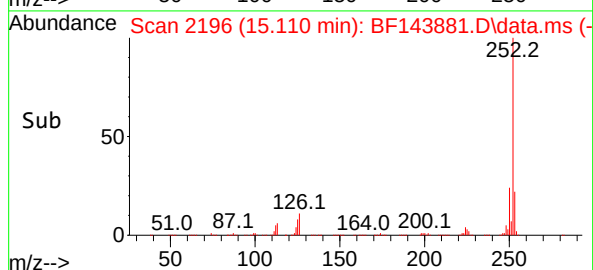
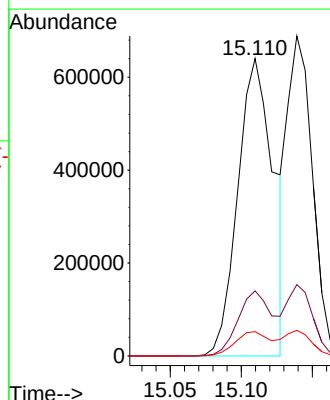
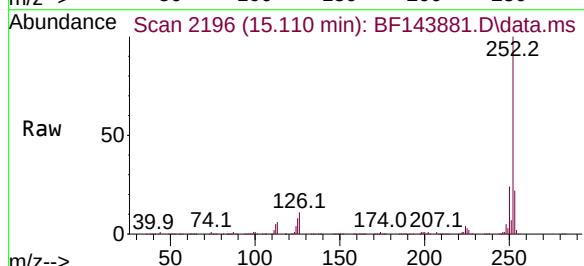
Tgt Ion:252 Resp: 1117484

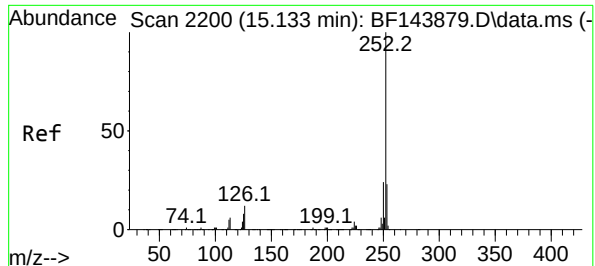
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 8.2 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 51.969 ng

RT: 15.139 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

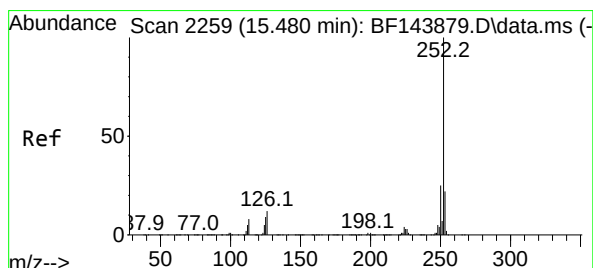
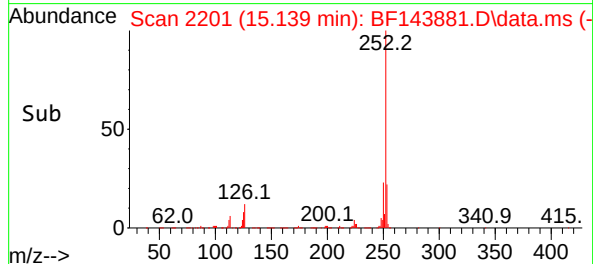
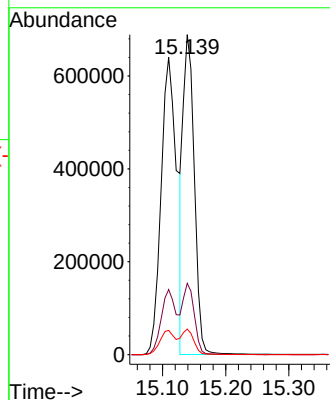
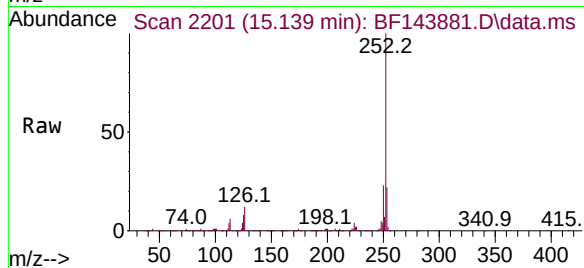
Tgt Ion:252 Resp: 855988

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 8.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 58.412 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

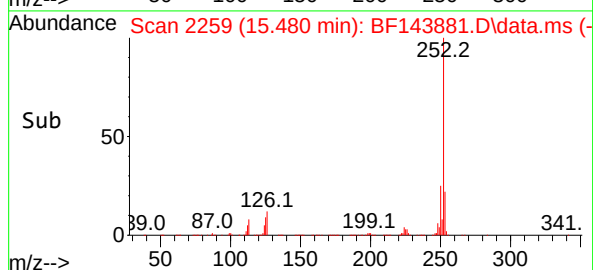
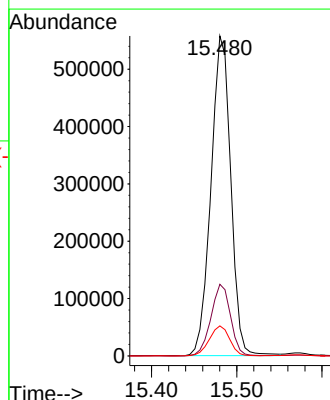
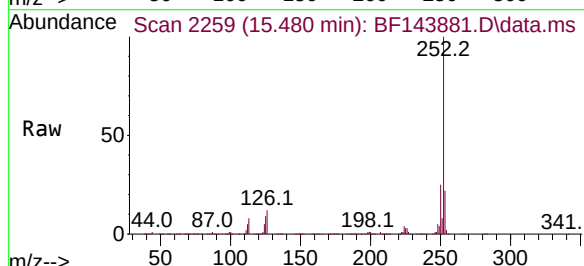
Tgt Ion:252 Resp: 901585

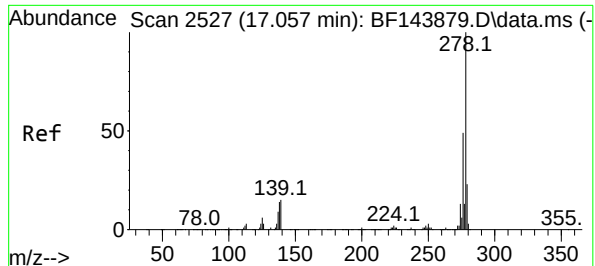
Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 9.4 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 61.291 ng

RT: 17.062 min Scan# 2527

Delta R.T. -0.017 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

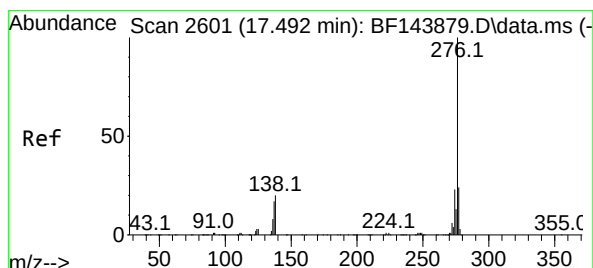
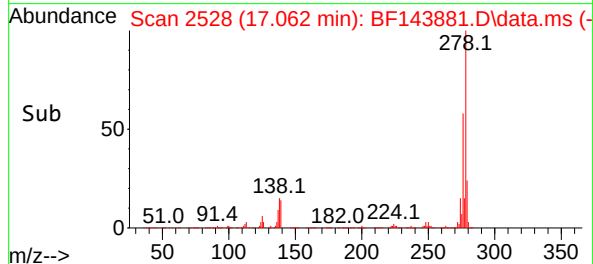
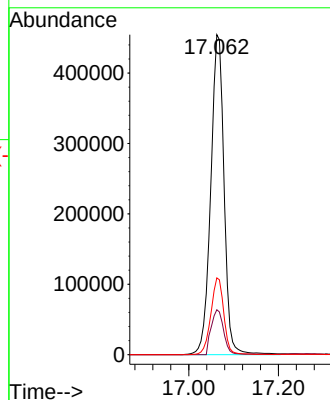
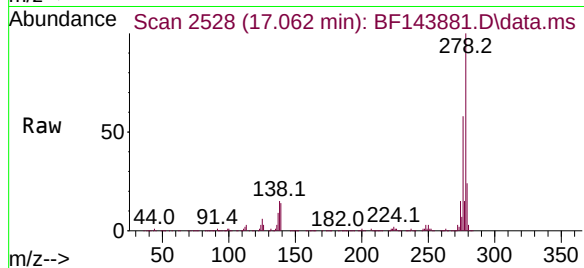
Tgt Ion:278 Resp: 935987

Ion Ratio Lower Upper

278 100

139 14.0 11.7 17.5

279 24.0 18.4 27.6



#92

Benzo(g,h,i)perylene

Concen: 61.976 ng

RT: 17.504 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

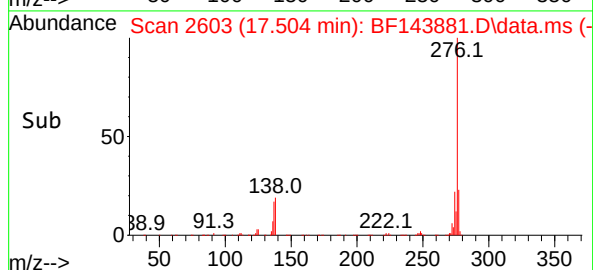
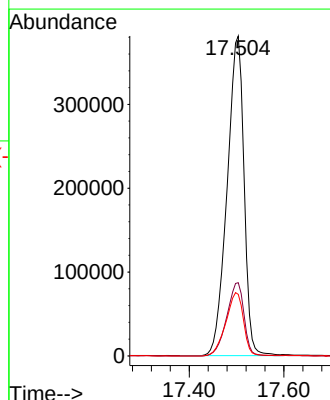
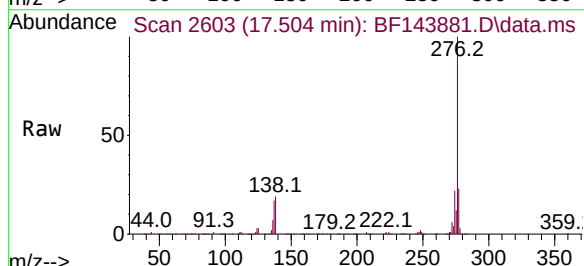
Tgt Ion:276 Resp: 946452

Ion Ratio Lower Upper

276 100

277 22.9 19.0 28.6

138 19.2 16.1 24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
 Data File : BF143882.D
 Acq On : 06 Oct 2025 14:22
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:39:02 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 06 15:29:47 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	153550	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	584564	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	320335	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	540366	20.000	ng	0.00
76) Chrysene-d12	14.068	240	302500	20.000	ng	0.00
86) Perylene-d12	15.545	264	357911	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1325806	137.113	ng	0.00
7) Phenol-d6	6.516	99	1617892	140.374	ng	0.00
23) Nitrobenzene-d5	7.457	82	1436124	149.259	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	495811	155.397	ng	0.00
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	13.010	244	2382437	134.604	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	334123	74.672	ng	98
3) Pyridine	3.416	79	1009551	77.503	ng	99
4) n-Nitrosodimethylamine	3.387	42	552664	80.653	ng	96
6) Aniline	6.551	93	1226438	71.012	ng	94
8) 2-Chlorophenol	6.669	128	683900	72.356	ng	100
9) Benzaldehyde	6.439	77	546849	61.507	ng	99
10) Phenol	6.534	94	976173	70.844	ng	83
11) bis(2-Chloroethyl)ether	6.628	93	760388	71.438	ng	98
12) 1,3-Dichlorobenzene	6.828	146	746378	65.969	ng	98
13) 1,4-Dichlorobenzene	6.904	146	727973	65.228	ng	100
14) 1,2-Dichlorobenzene	7.057	146	708144	66.244	ng	99
15) Benzyl Alcohol	7.034	79	664305	76.926	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1670583	68.951	ng	97
17) 2-Methylphenol	7.134	107	569618	72.921	ng	98
18) Hexachloroethane	7.398	117	256173	68.827	ng	98
19) n-Nitroso-di-n-propyla...	7.316	70	559967	70.978	ng	99
20) 3+4-Methylphenols	7.298	107	573027	63.295	ng	# 78
22) Acetophenone	7.304	105	795315	64.345	ng	# 92
24) Nitrobenzene	7.475	77	800306	74.900	ng	98
25) Isophorone	7.722	82	1534787	75.651	ng	98
26) 2-Nitrophenol	7.786	139	389145	84.948	ng	98
27) 2,4-Dimethylphenol	7.822	122	616626	74.828	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	888473	69.328	ng	99
29) 2,4-Dichlorophenol	8.028	162	620755	72.318	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	583022	69.063	ng	99
31) Naphthalene	8.192	128	1710914	64.341	ng	99
32) Benzoic acid	7.963	122	539440m	94.587	ng	
33) 4-Chloroaniline	8.239	127	697350	69.923	ng	98
34) Hexachlorobutadiene	8.310	225	404619	68.974	ng	98
35) Caprolactam	8.645	113	218801	80.169	ng	97
36) 4-Chloro-3-methylphenol	8.722	107	598614	72.601	ng	98
37) 2-Methylnaphthalene	8.886	142	1138146	64.254	ng	99
38) 1-Methylnaphthalene	8.986	142	1087879	63.318	ng	98
40) 1,2,4,5-Tetrachloroben...	9.051	216	594660	67.166	ng	98
41) Hexachlorocyclopentadiene	9.033	237	301178	81.998	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	481852	74.487	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
 Data File : BF143882.D
 Acq On : 06 Oct 2025 14:22
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:39:02 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 06 15:29:47 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	487322	71.286	ng	99
46) 1,1'-Biphenyl	9.351	154	1344805	63.407	ng	98
47) 2-Chloronaphthalene	9.375	162	1170019	66.165	ng	98
48) 2-Nitroaniline	9.469	65	445537	79.693	ng	99
49) Acenaphthylene	9.786	152	1644728	66.159	ng	100
50) Dimethylphthalate	9.645	163	1415482	69.582	ng	100
51) 2,6-Dinitrotoluene	9.716	165	303176	80.372	ng	97
52) Acenaphthene	9.963	154	1085733	66.651	ng	99
53) 3-Nitroaniline	9.886	138	365960	79.233	ng	98
54) 2,4-Dinitrophenol	9.986	184	187560	80.556	ng	97
55) Dibenzofuran	10.133	168	1471622	63.998	ng	98
56) 4-Nitrophenol	10.039	139	294937	84.335	ng	95
57) 2,4-Dinitrotoluene	10.116	165	409463	79.779	ng	94
58) Fluorene	10.480	166	1069764	61.654	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	368599	76.170	ng	98
60) Diethylphthalate	10.351	149	1267085	67.047	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	572035	62.357	ng	96
62) 4-Nitroaniline	10.510	138	351634	79.169	ng	98
63) Azobenzene	10.633	77	1351920	68.446	ng	97
65) 4,6-Dinitro-2-methylph...	10.533	198	236863	87.227	ng	99
66) n-Nitrosodiphenylamine	10.592	169	1139482	67.159	ng	98
67) 4-Bromophenyl-phenylether	10.963	248	423148	70.857	ng	98
68) Hexachlorobenzene	11.027	284	498602	72.118	ng	97
69) Atrazine	11.121	200	347749	67.621	ng	99
70) Pentachlorophenol	11.221	266	318486	80.208	ng	99
71) Phenanthrene	11.445	178	1676081	63.980	ng	99
72) Anthracene	11.498	178	1688865	63.814	ng	99
73) Carbazole	11.651	167	1519615	64.832	ng	100
74) Di-n-butylphthalate	11.980	149	1793855	66.034	ng	100
75) Fluoranthene	12.633	202	1706368	63.059	ng	99
78) Pyrene	12.863	202	1718085	68.126	ng	99
80) Butylbenzylphthalate	13.480	149	633516	77.349	ng	97
81) Benzo(a)anthracene	14.057	228	1449801	73.238	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	461359	76.476	ng	98
83) Chrysene	14.092	228	1349286	73.645	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	749327	75.897	ng	100
85) Di-n-octyl phthalate	14.657	149	1370760	84.532	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	1786876	81.478	ng	99
88) Benzo(b)fluoranthene	15.115	252	1431875	69.645	ng	98
89) Benzo(k)fluoranthene	15.145	252	1362026	71.595	ng	98
90) Benzo(a)pyrene	15.486	252	1321893	74.151	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	1391562	78.895	ng	97
92) Benzo(g,h,i)perylene	17.515	276	1451721	82.305	ng	98

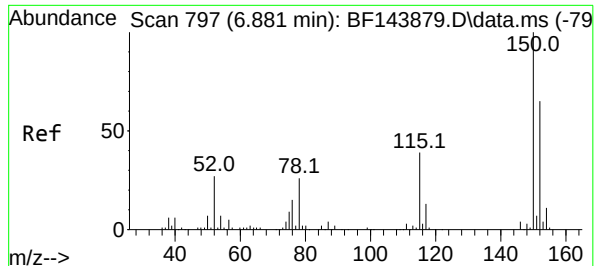
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

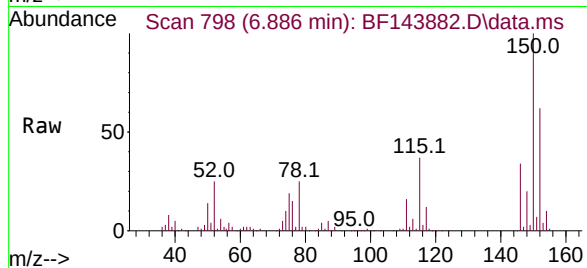
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025





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

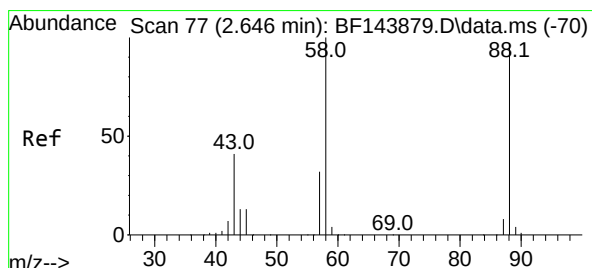
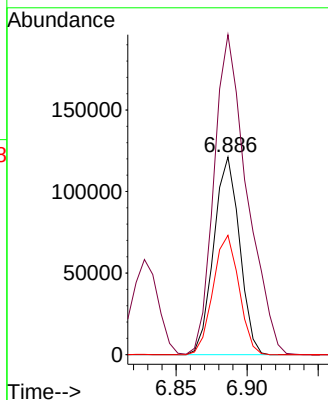
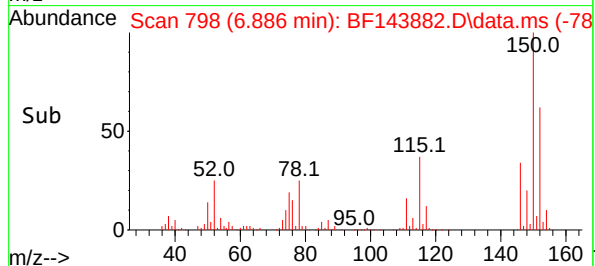
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



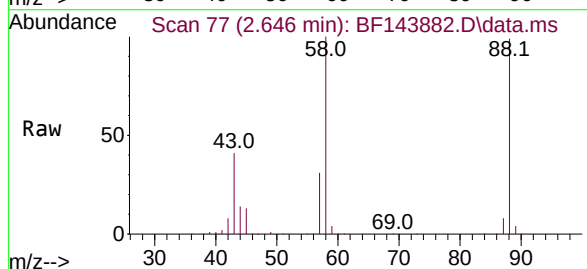
Tgt Ion:152 Resp: 153550
Ion Ratio Lower Upper
152 100
150 162.0 124.4 186.6
115 60.3 48.1 72.1

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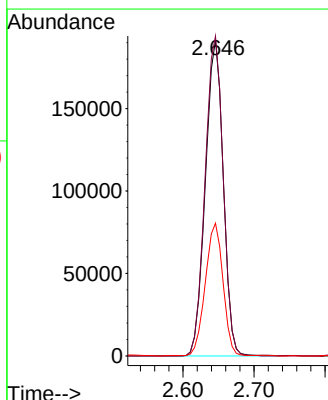
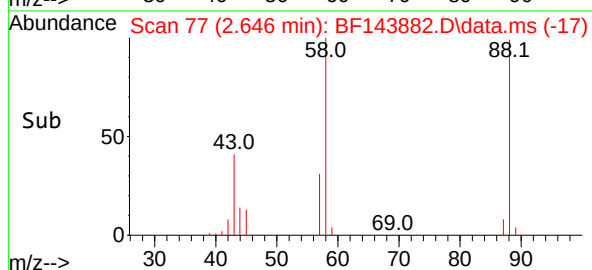
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

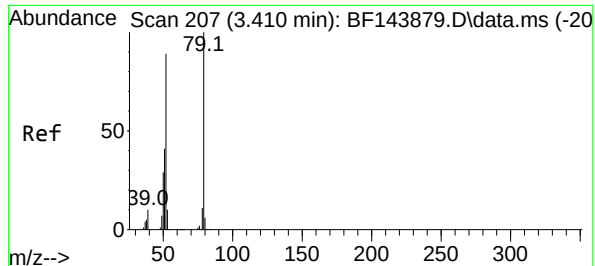


#2
1,4-Dioxane
Concen: 74.672 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



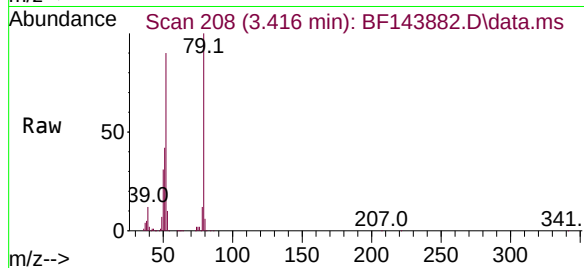
Tgt Ion: 88 Resp: 334123
Ion Ratio Lower Upper
88 100
58 102.1 83.0 124.6
43 41.3 33.9 50.9





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

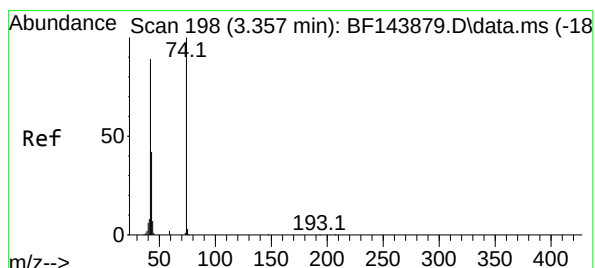
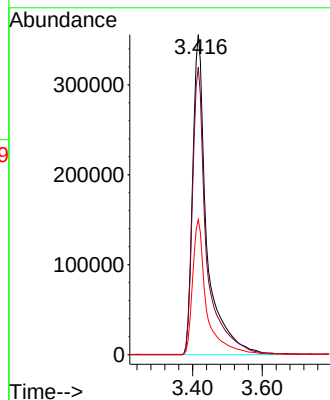
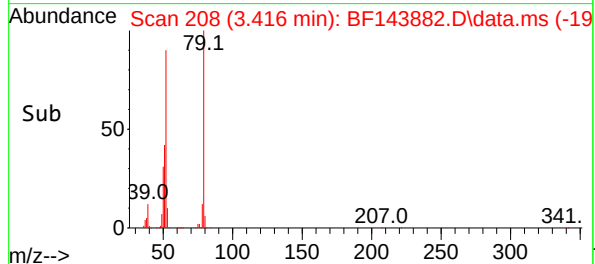
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 79 Resp: 100955
Ion Ratio Lower Upper
79 100
52 89.8 71.5 107.3
51 42.2 32.9 49.3

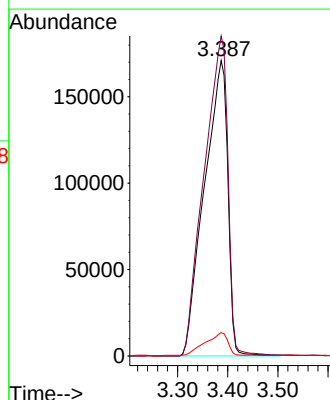
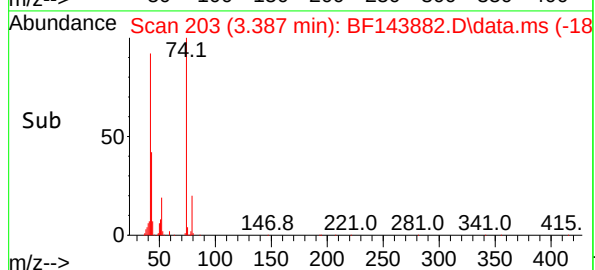
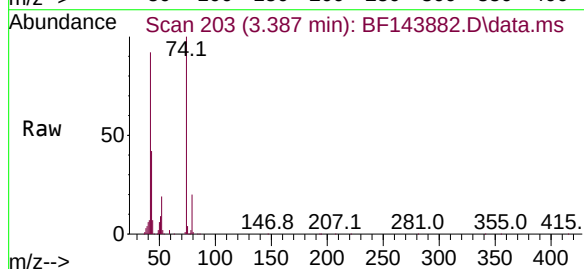
Manual Integrations
APPROVED

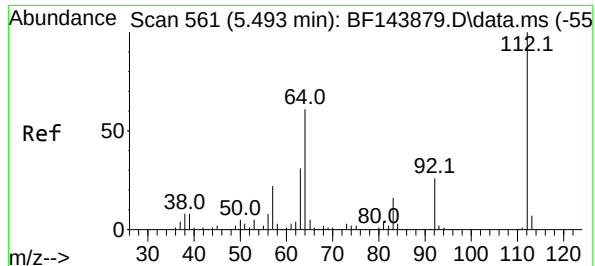
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#4
n-Nitrosodimethylamine
Concen: 80.653 ng
RT: 3.387 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 42 Resp: 552664
Ion Ratio Lower Upper
42 100
74 108.4 90.0 135.0
44 7.9 6.2 9.2





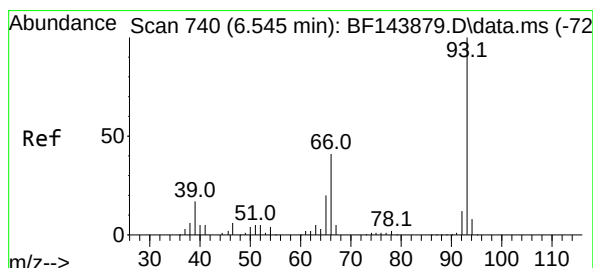
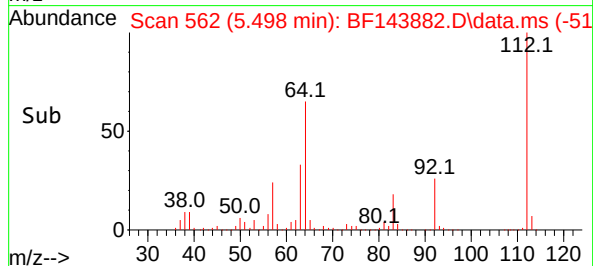
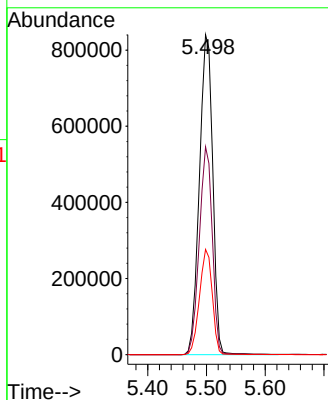
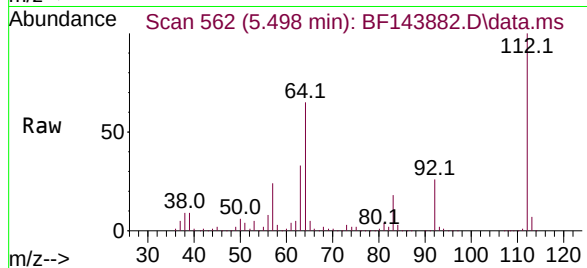
#5
2-Fluorophenol
Concen: 137.113 ng
RT: 5.498 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

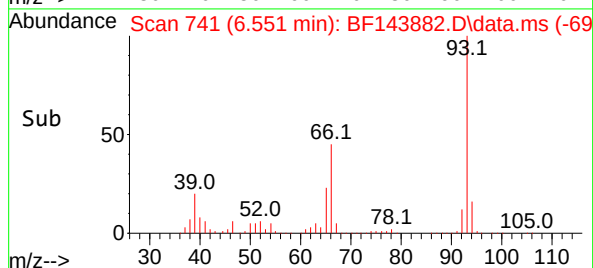
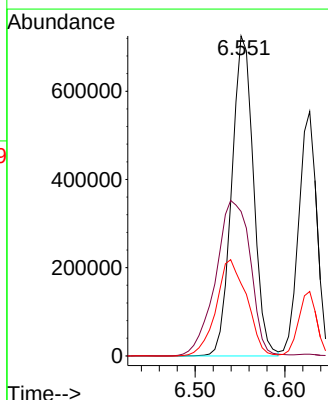
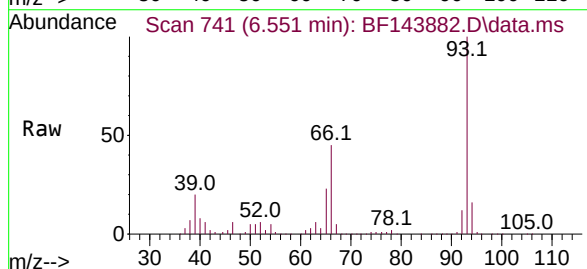
Manual Integrations
APPROVED

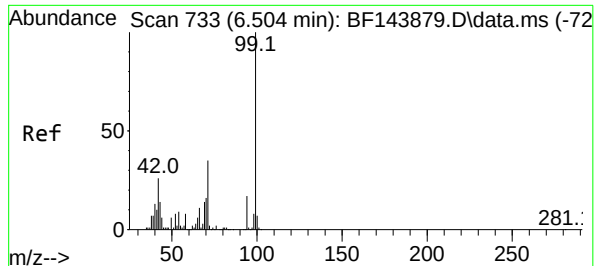
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#6
Aniline
Concen: 71.012 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

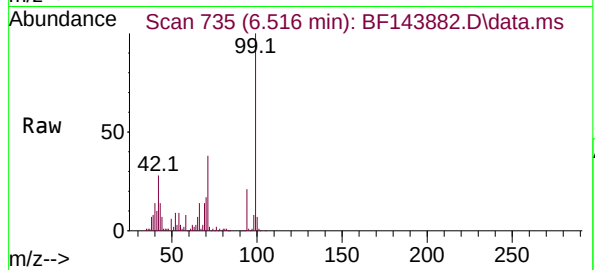
Tgt Ion: 93 Resp: 1226438
Ion Ratio Lower Upper
93 100
66 45.1 33.0 49.6
65 22.6 15.8 23.8





#7
Phenol-d6
Concen: 140.374 ng
RT: 6.516 min Scan# 735
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

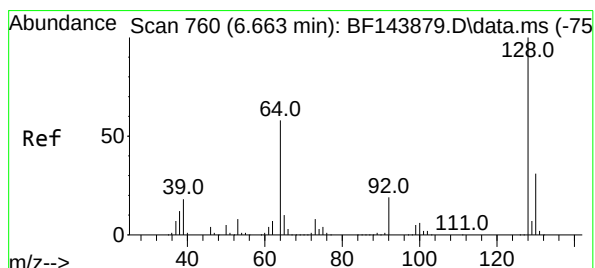
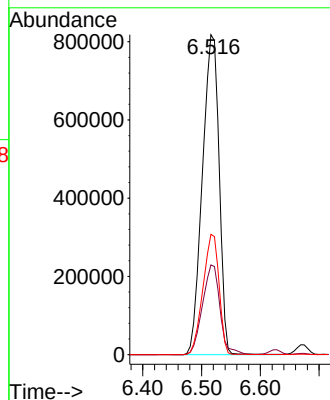
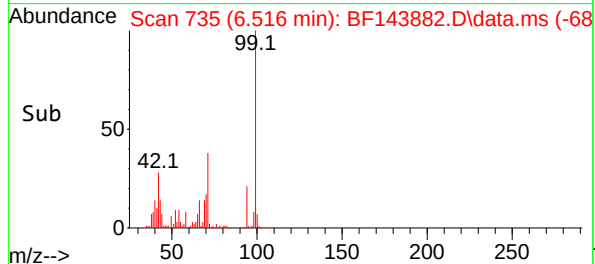
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

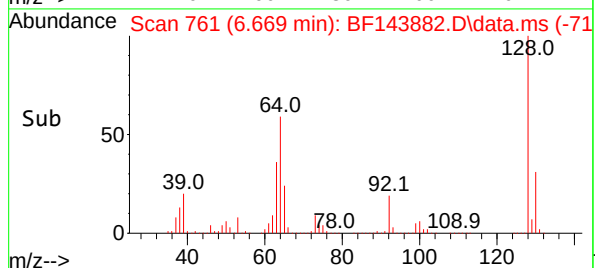
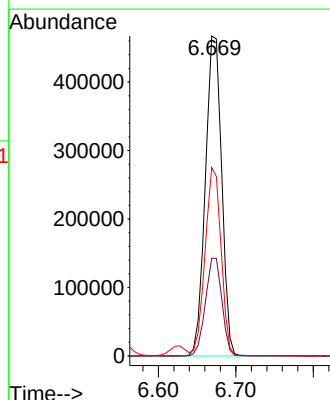
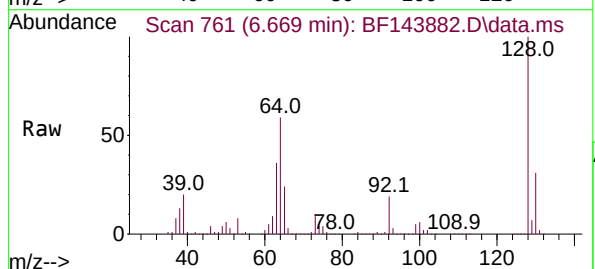
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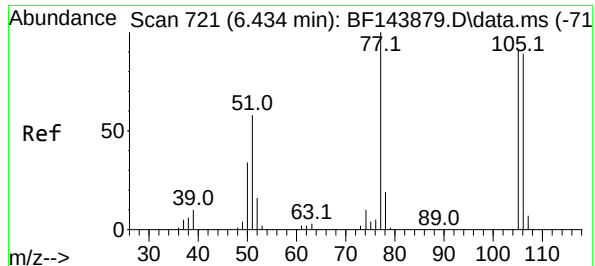
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:128 Resp: 683900
Ion Ratio Lower Upper
128 100
130 30.5 10.7 50.7
64 58.9 39.0 79.0



#9
Benzaldehyde

Concen: 61.507 ng

RT: 6.439 min Scan# 721

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 77 Resp: 546849

Ion Ratio Lower Upper

77 100

105 91.5 70.9 110.9

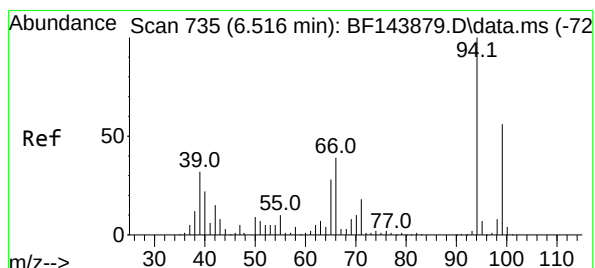
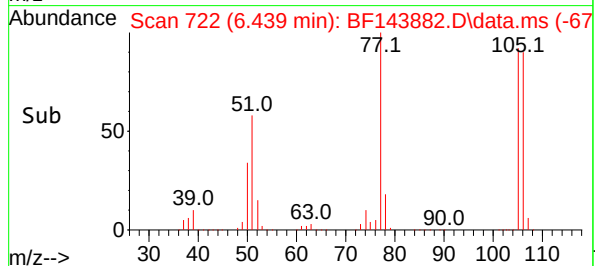
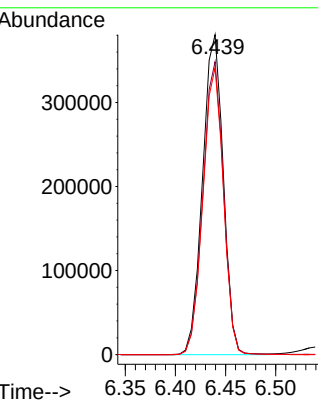
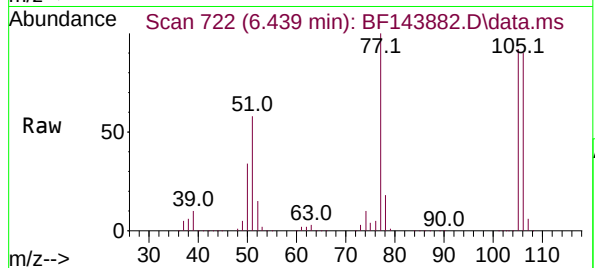
106 89.6 68.9 108.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#10

Phenol

Concen: 70.844 ng

RT: 6.534 min Scan# 738

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

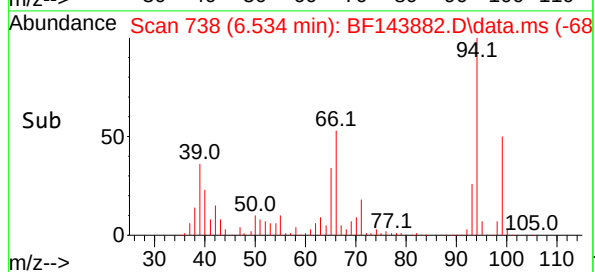
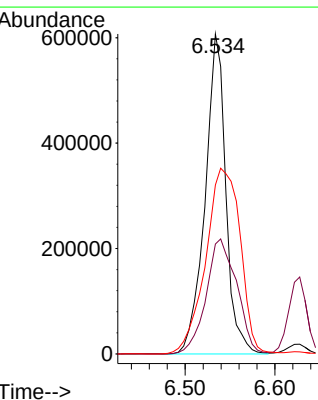
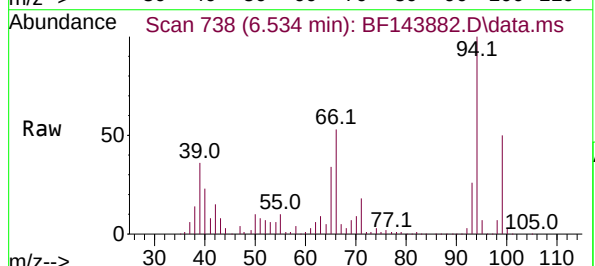
Tgt Ion: 94 Resp: 976173

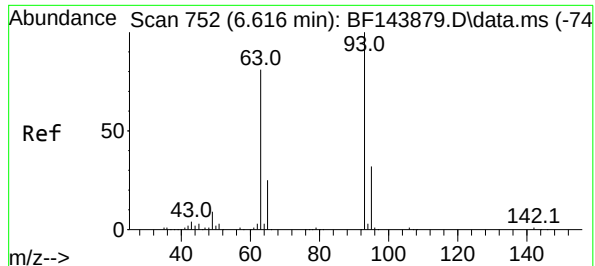
Ion Ratio Lower Upper

94 100

65 34.4 8.5 48.5

66 52.8 19.9 59.9





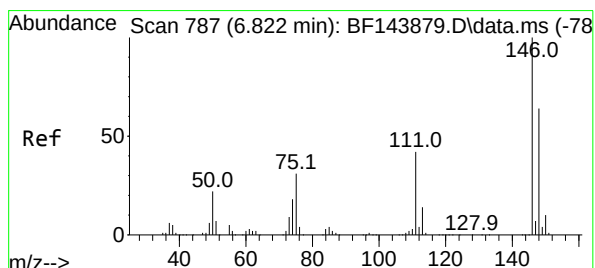
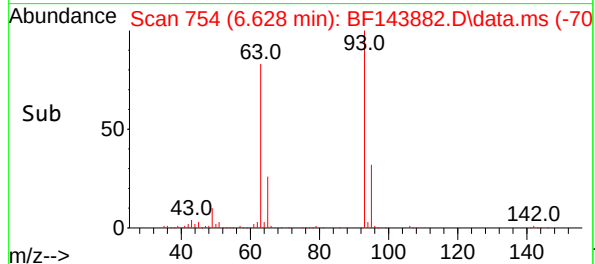
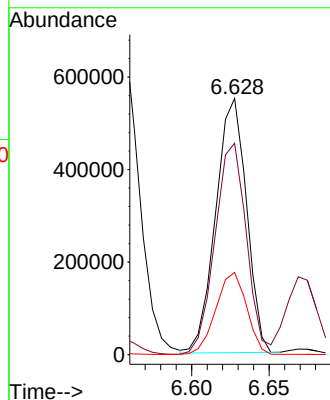
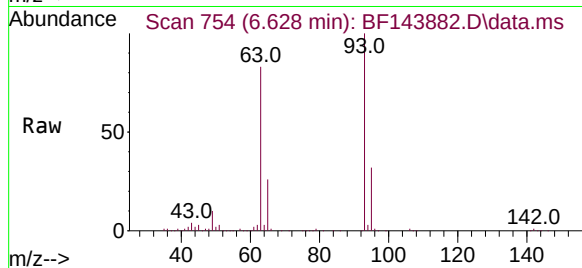
#11
bis(2-Chloroethyl)ether
Concen: 71.438 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

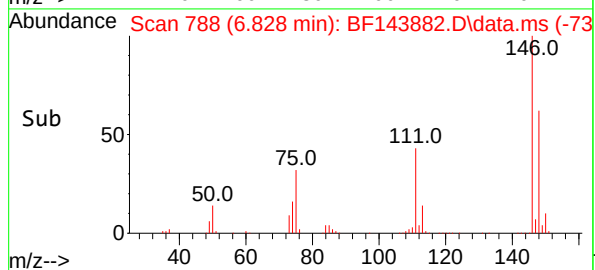
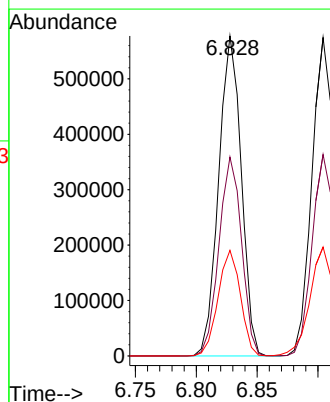
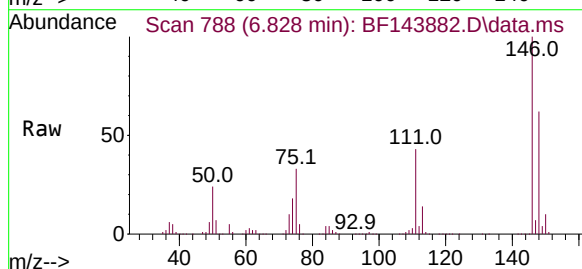
Manual Integrations
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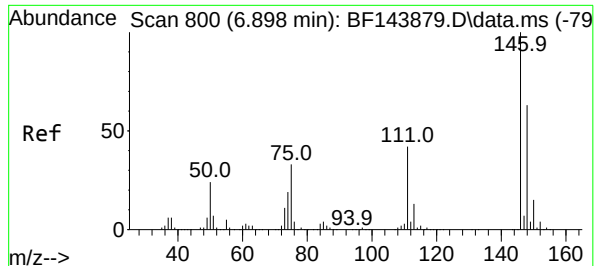
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#12
1,3-Dichlorobenzene
Concen: 65.969 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:146 Resp: 746378
Ion Ratio Lower Upper
146 100
148 62.1 51.0 76.4
75 33.0 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 65.228 ng

RT: 6.904 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 727973

Ion Ratio Lower Upper

146 100

148 63.2 50.5 75.7

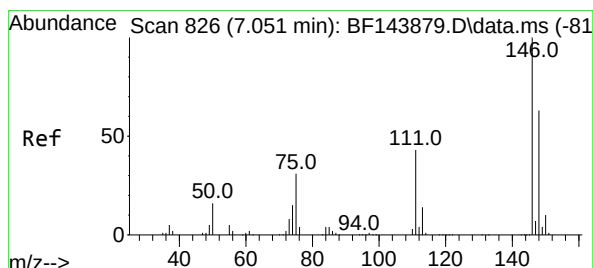
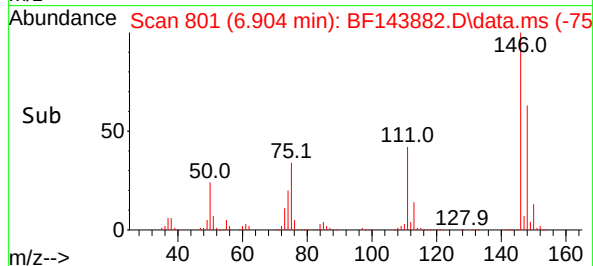
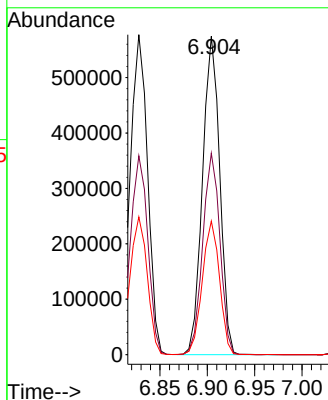
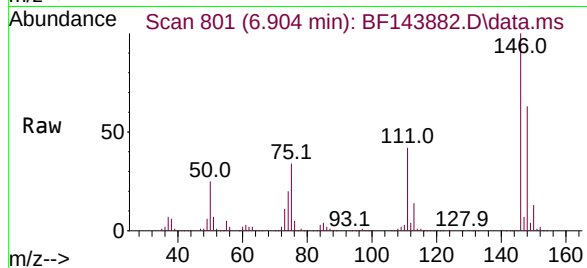
111 42.0 33.4 50.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#14

1,2-Dichlorobenzene

Concen: 66.244 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

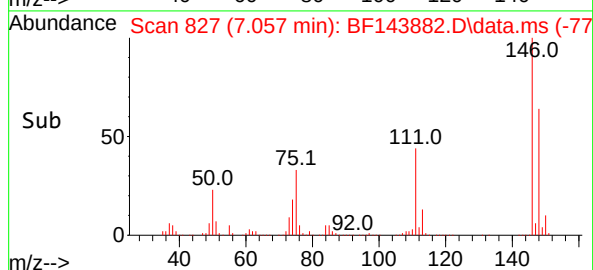
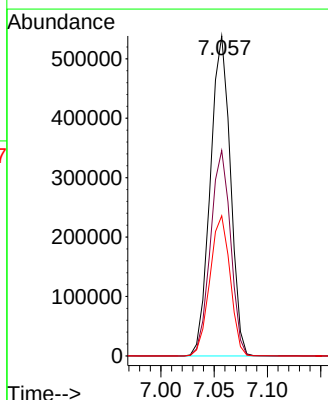
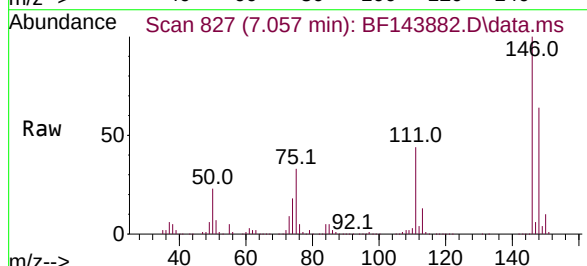
Tgt Ion:146 Resp: 708144

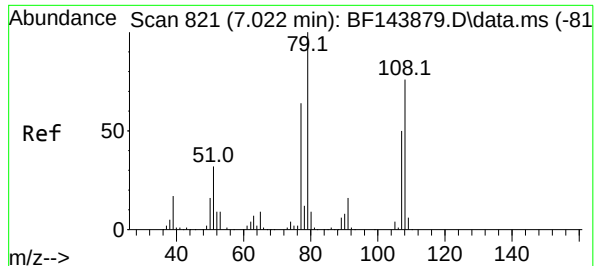
Ion Ratio Lower Upper

146 100

148 64.2 50.6 75.8

111 43.8 34.6 51.8





#15

Benzyl Alcohol

Concen: 76.926 ng

RT: 7.034 min Scan# 821

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 664305

Ion Ratio Lower Upper

79 100

108 73.0 60.8 91.2

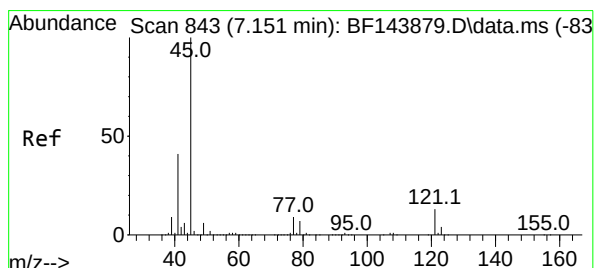
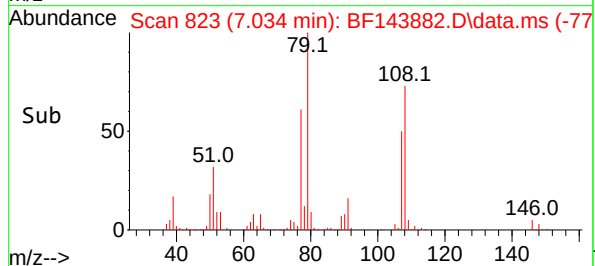
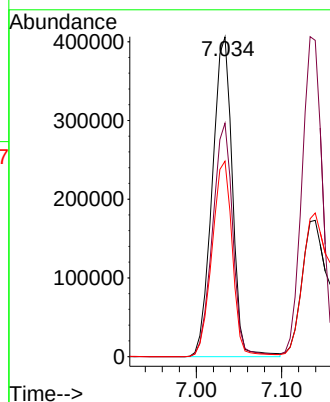
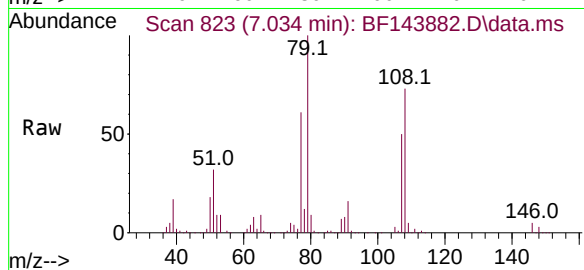
77 61.1 51.0 76.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 68.951 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

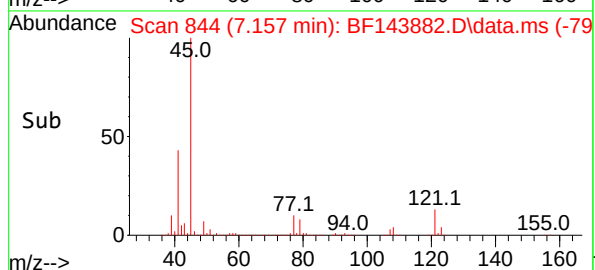
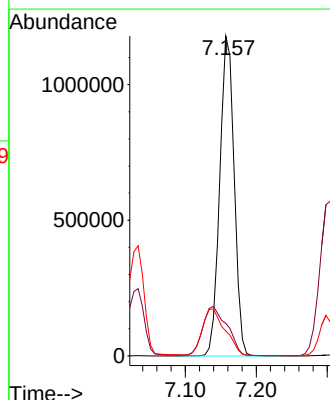
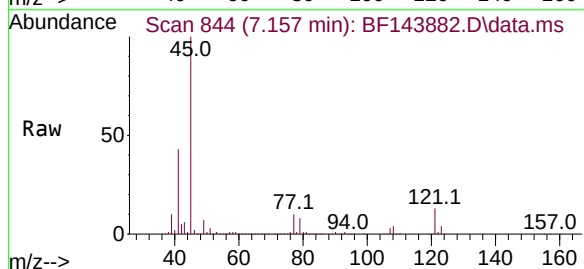
Tgt Ion: 45 Resp: 1670583

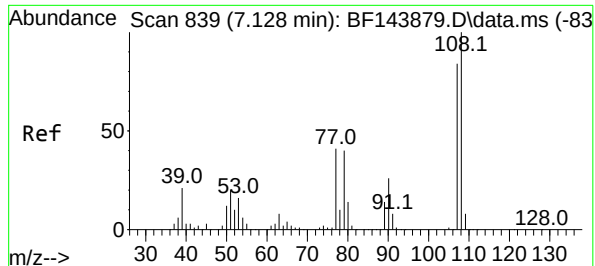
Ion Ratio Lower Upper

45 100

77 10.1 0.0 29.0

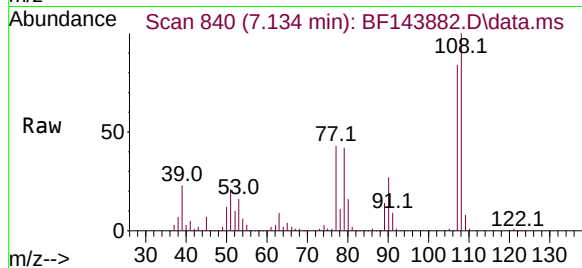
79 7.8 0.0 26.8





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

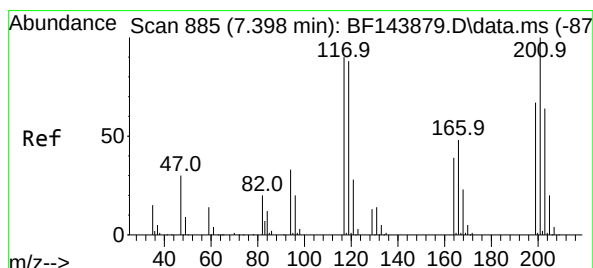
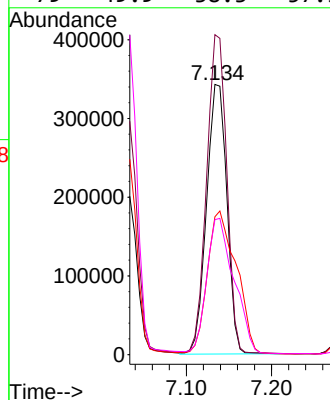
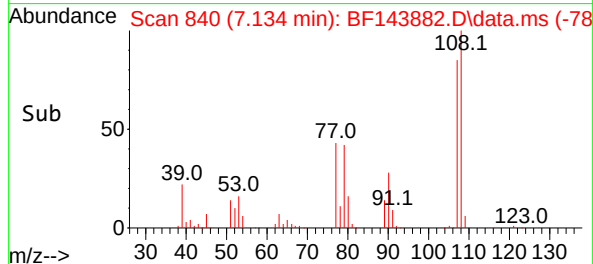
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



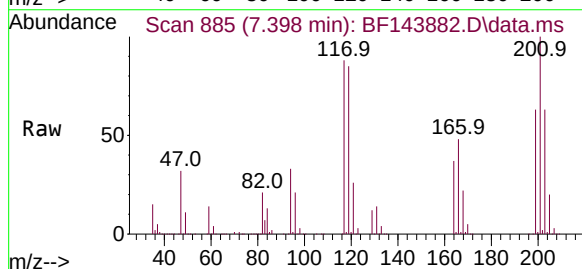
Tgt Ion:107 Resp: 569618
Ion Ratio Lower Upper
107 100
108 118.5 94.7 142.1
77 51.0 38.8 58.2
79 49.9 38.3 57.5

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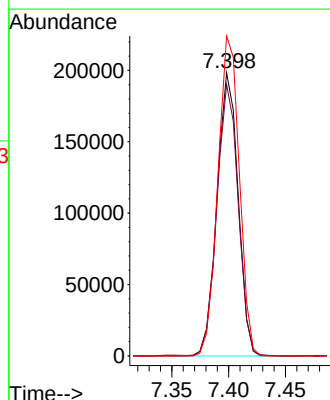
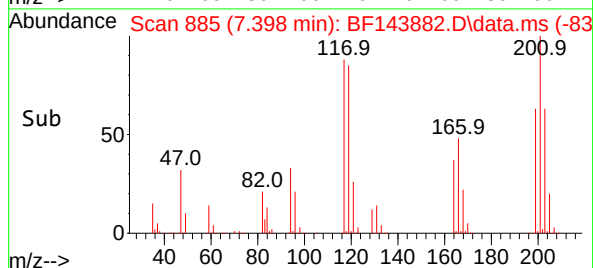
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

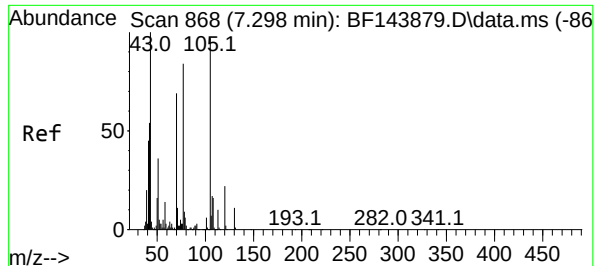


#18
Hexachloroethane
Concen: 68.827 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



Tgt Ion:117 Resp: 256173
Ion Ratio Lower Upper
117 100
119 95.8 77.8 116.8
201 113.0 88.5 132.7





#19

n-Nitroso-di-n-propylamine

Concen: 70.978 ng

RT: 7.316 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 55996

Ion Ratio Lower Upper

70 100

42 77.8 62.8 94.2

101 8.0 6.7 10.1

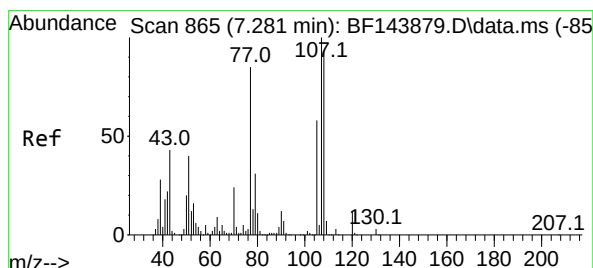
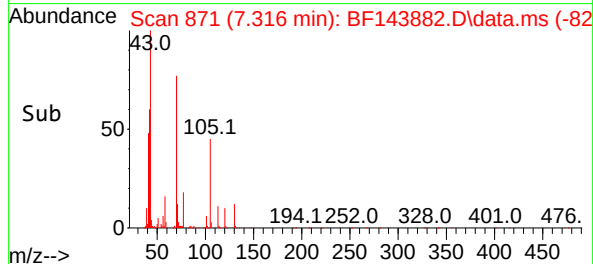
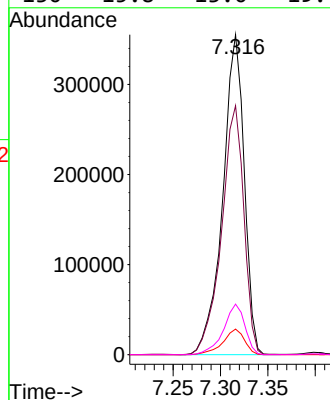
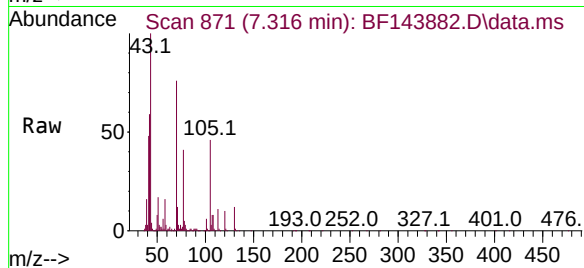
130 15.8 13.0 19.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#20

3+4-Methylphenols

Concen: 63.295 ng

RT: 7.298 min Scan# 868

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Tgt Ion:107 Resp: 573027

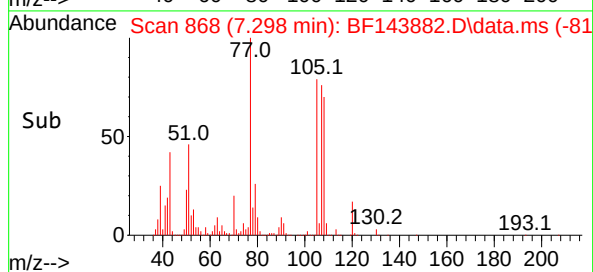
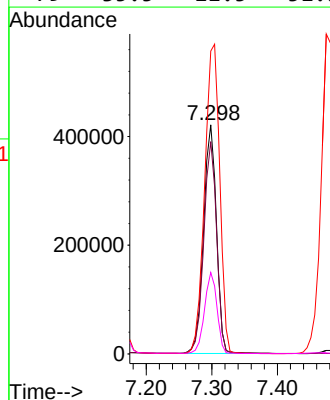
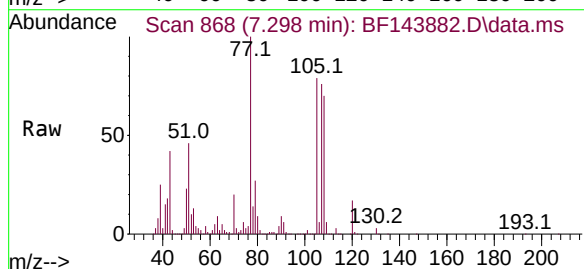
Ion Ratio Lower Upper

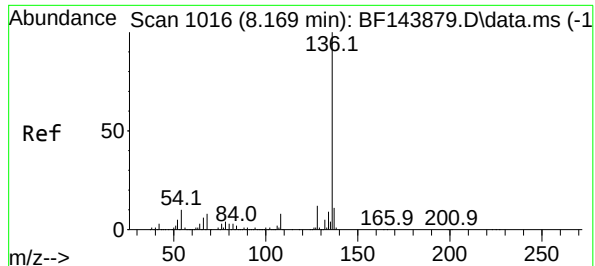
107 100

108 92.7 73.0 113.0

77 132.3 64.6 104.6#

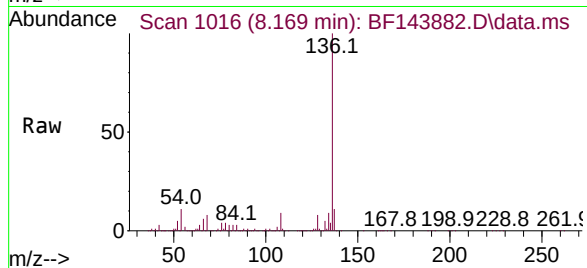
79 35.5 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

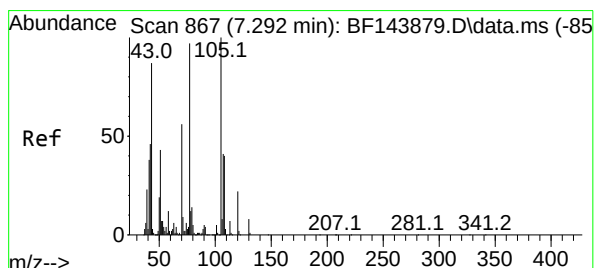
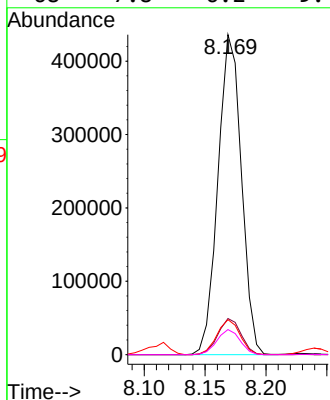
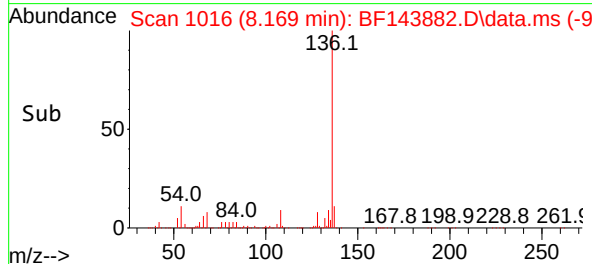
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:136 Resp: 584564
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 10.9 8.2 12.4
68 7.8 6.2 9.4

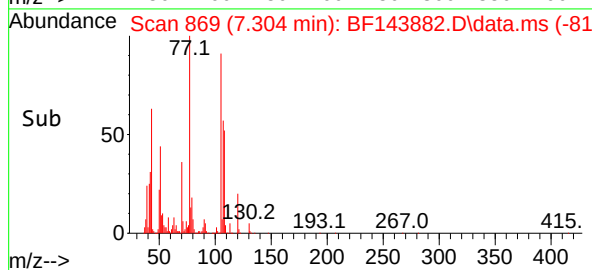
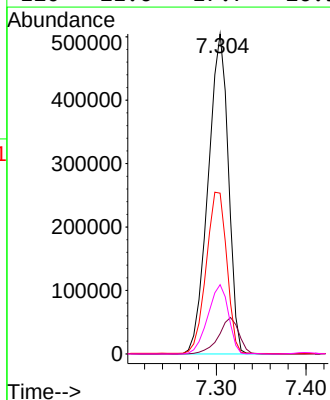
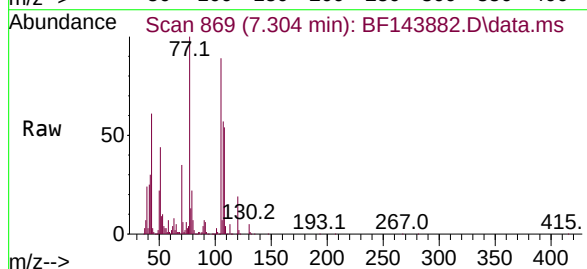
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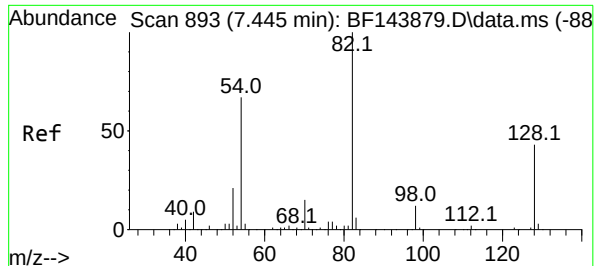
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#22
Acetophenone
Concen: 64.345 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:105 Resp: 795315
Ion Ratio Lower Upper
105 100
71 6.3 7.4 11.0#
51 50.2 34.2 51.4
120 21.6 17.7 26.5





#23

Nitrobenzene-d5

Concen: 149.259 ng

RT: 7.457 min Scan# 895

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1436124

Ion Ratio Lower Upper

82 100

128 41.6 34.0 51.0

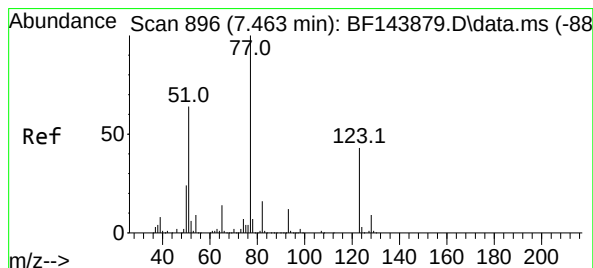
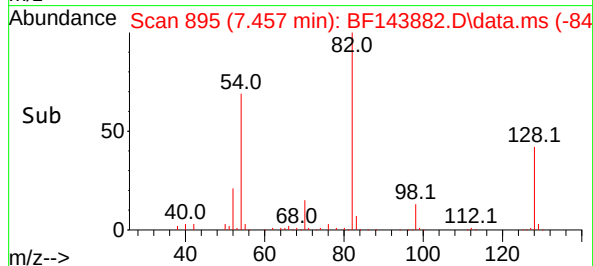
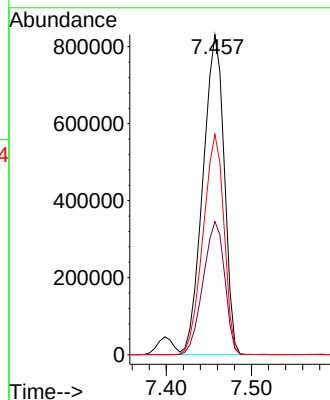
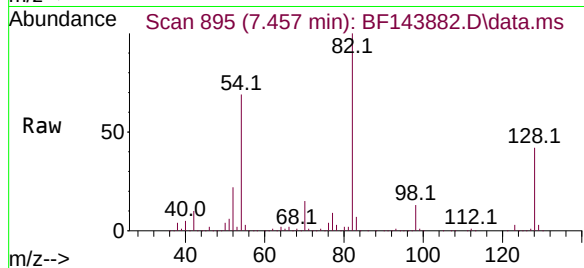
54 68.8 53.2 79.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#24

Nitrobenzene

Concen: 74.900 ng

RT: 7.475 min Scan# 898

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

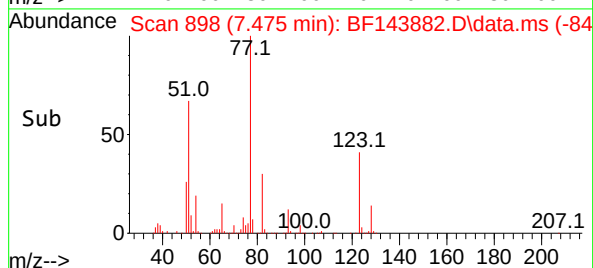
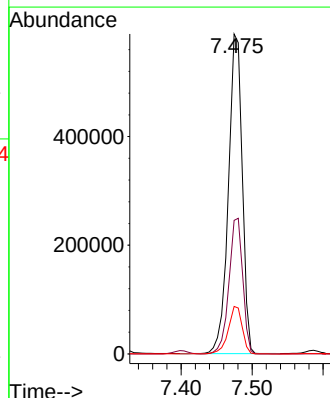
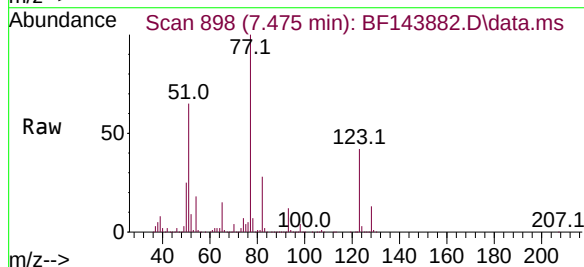
Tgt Ion: 77 Resp: 800306

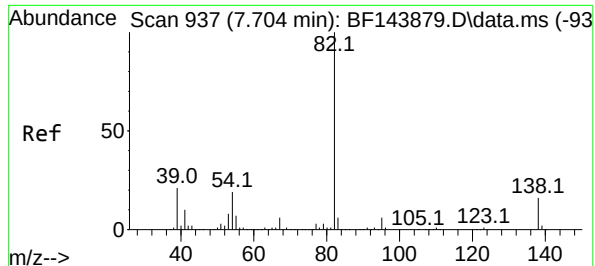
Ion Ratio Lower Upper

77 100

123 41.7 34.2 51.4

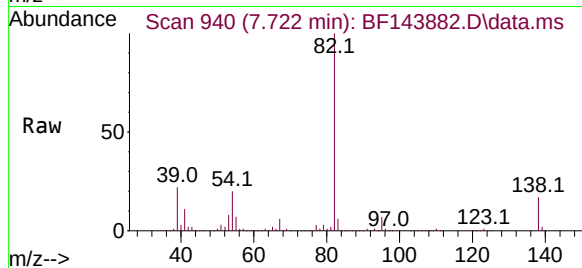
65 14.8 11.0 16.6





#25
Isophorone
Concen: 75.651 ng
RT: 7.722 min Scan# 941
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

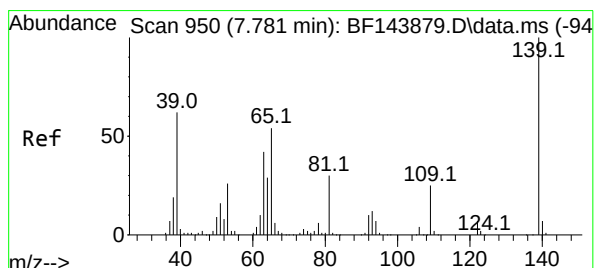
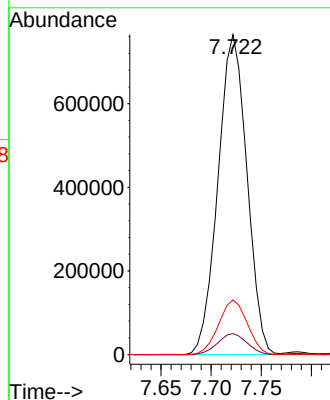
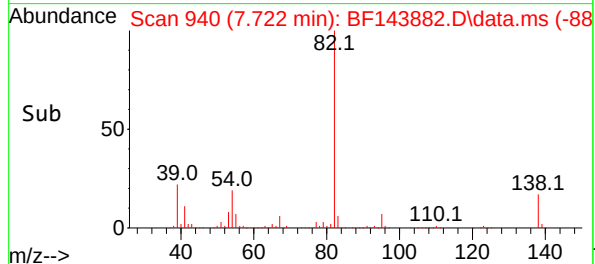
Instrument :
BNA_F
Client Sample Id :
SSTDICC080



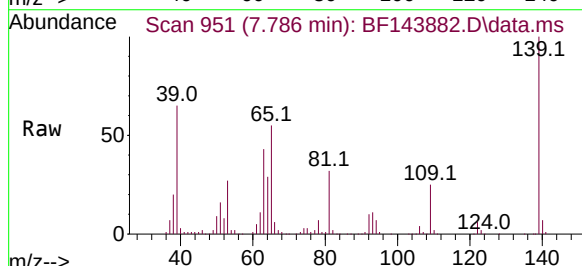
Tgt Ion: 82 Resp: 153478
Ion Ratio Lower Upper
82 100
95 6.6 5.1 7.7
138 17.1 12.9 19.3

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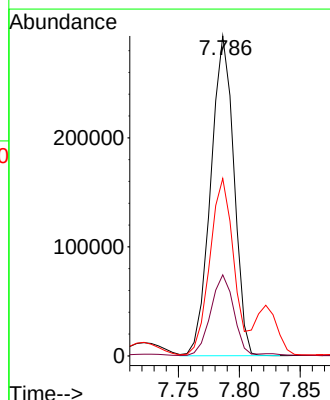
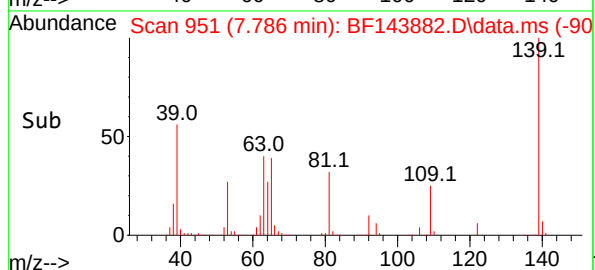
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

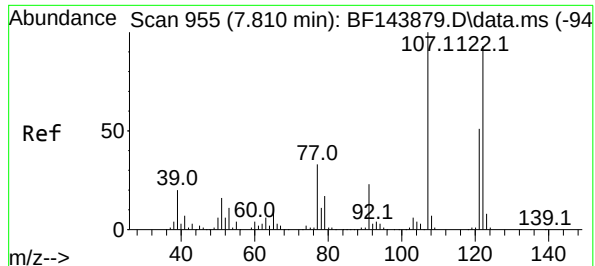


#26
2-Nitrophenol
Concen: 84.948 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



Tgt Ion:139 Resp: 389145
Ion Ratio Lower Upper
139 100
109 25.3 19.8 29.6
65 55.4 42.9 64.3





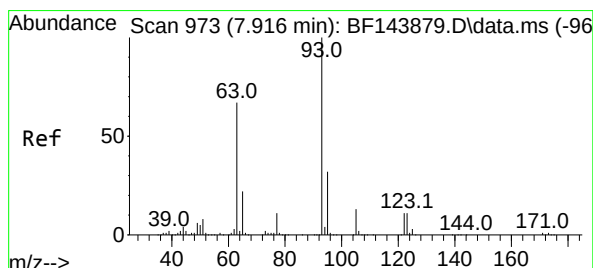
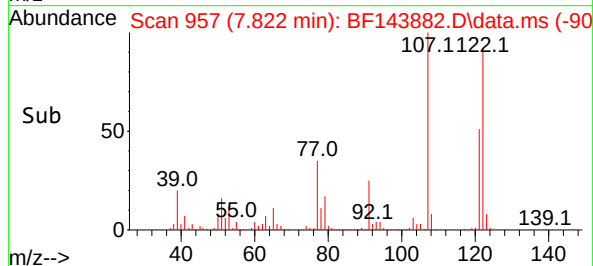
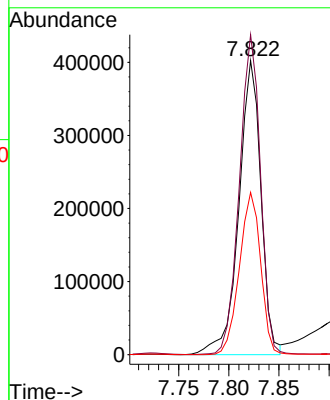
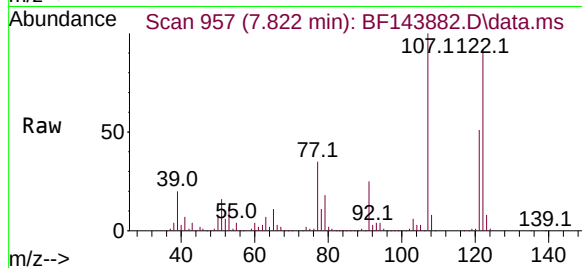
#27
2,4-Dimethylphenol
Concen: 74.828 ng
RT: 7.822 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 616626
Ion Ratio Lower Upper
122 100
107 108.9 86.1 129.1
121 55.2 43.8 65.6

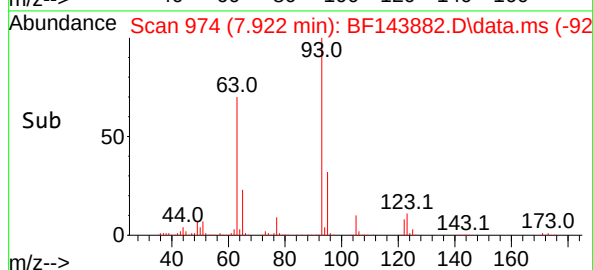
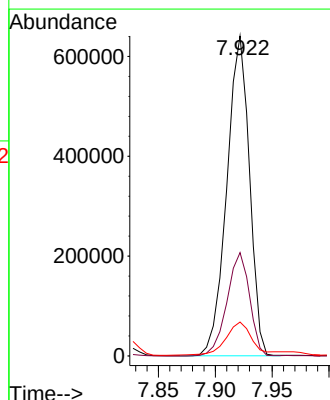
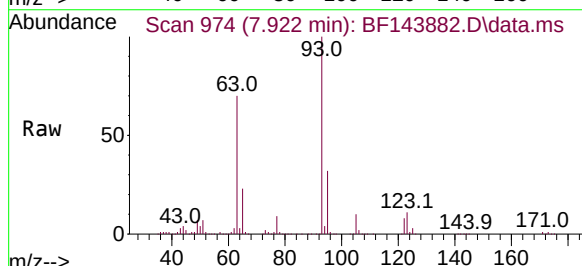
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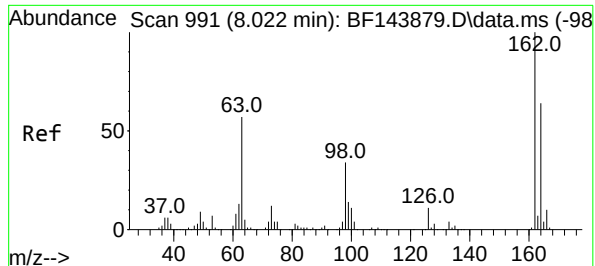
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#28
bis(2-Chloroethoxy)methane
Concen: 69.328 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 93 Resp: 888473
Ion Ratio Lower Upper
93 100
95 32.3 25.9 38.9
123 10.6 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 72.318 ng

RT: 8.028 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 620755

Ion Ratio Lower Upper

162 100

164 62.6 43.9 83.9

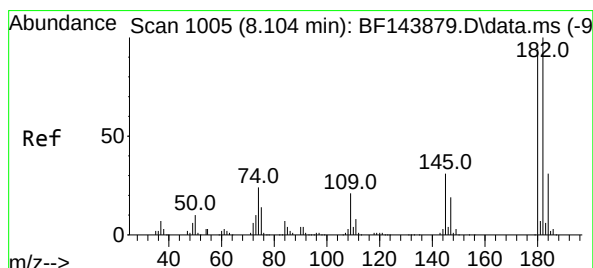
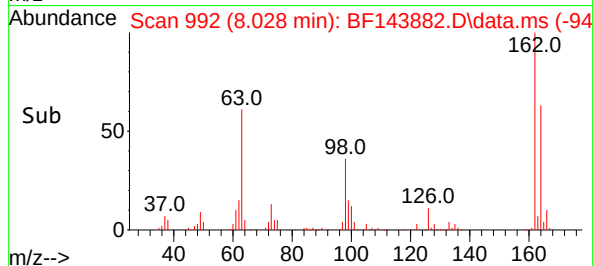
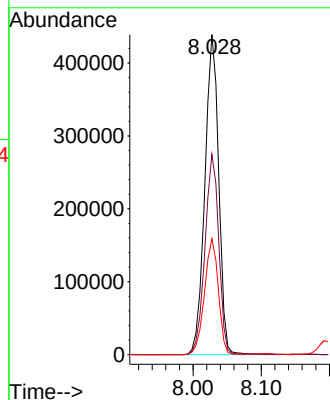
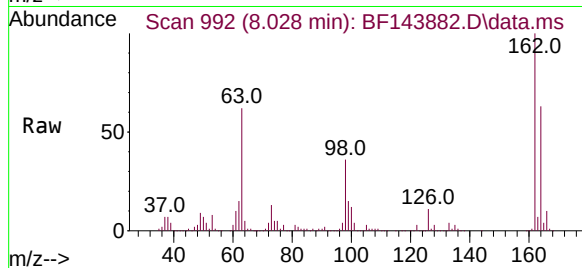
98 36.2 14.4 54.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#30

1,2,4-Trichlorobenzene

Concen: 69.063 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

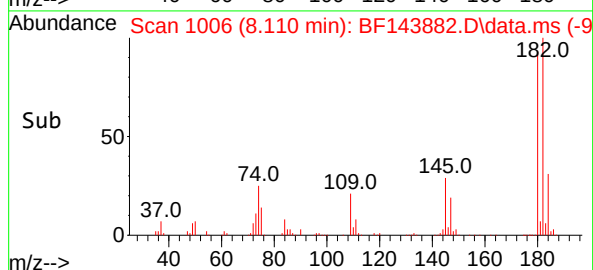
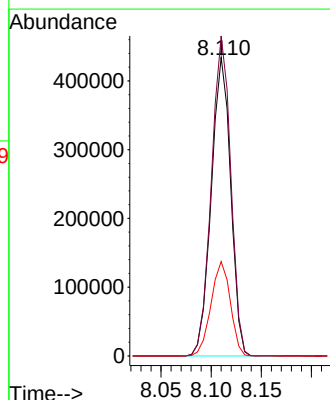
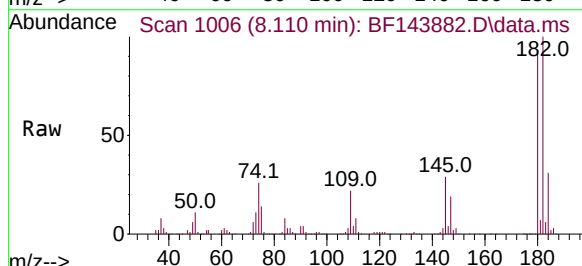
Tgt Ion:180 Resp: 583022

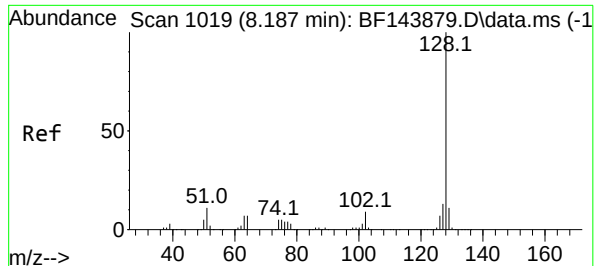
Ion Ratio Lower Upper

180 100

182 107.1 85.4 128.0

145 31.6 26.3 39.5





#31

Naphthalene

Concen: 64.341 ng

RT: 8.192 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:128 Resp: 1710914

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

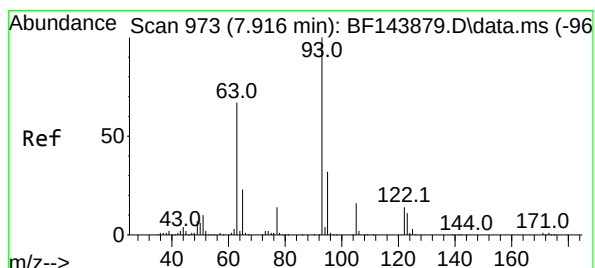
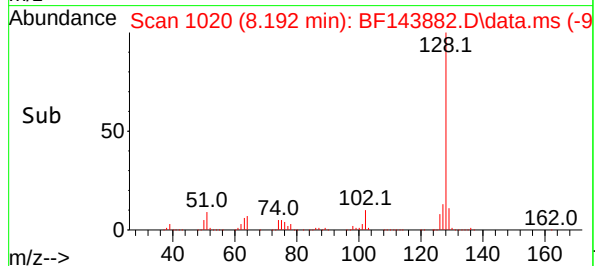
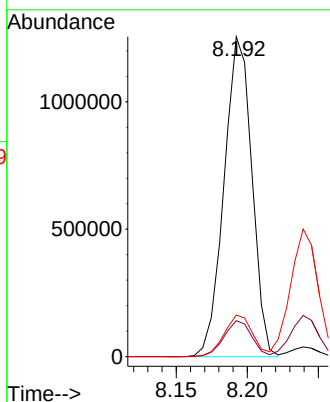
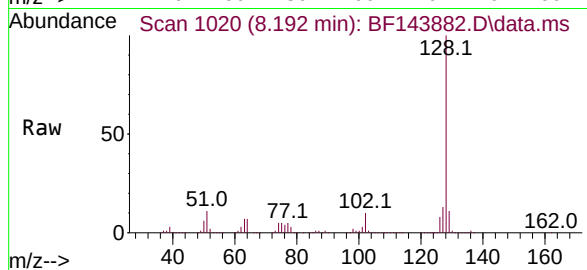
127 13.0 10.0 15.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#32

Benzoic acid

Concen: 94.587 ng m

RT: 7.963 min Scan# 981

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

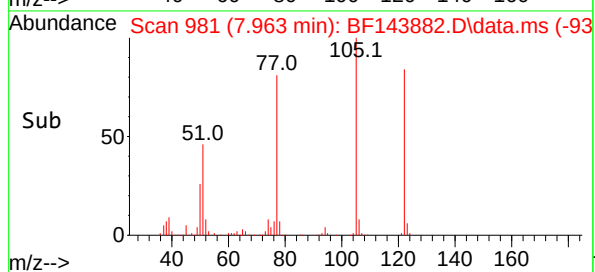
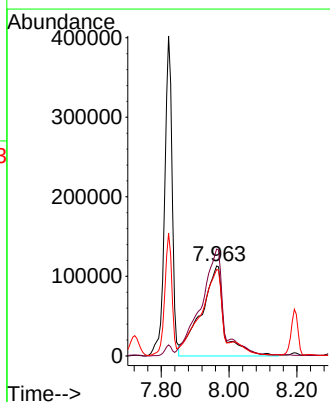
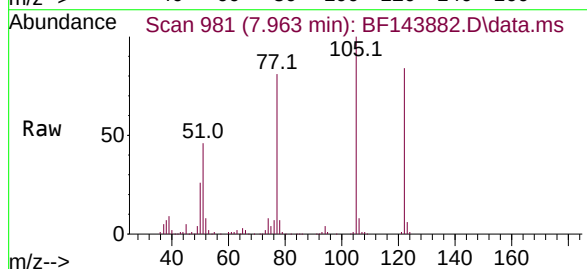
Tgt Ion:122 Resp: 539440

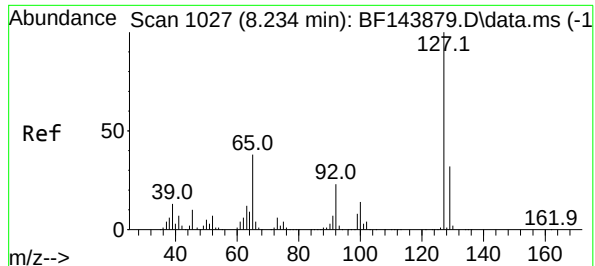
Ion Ratio Lower Upper

122 100

105 118.9 93.5 133.5

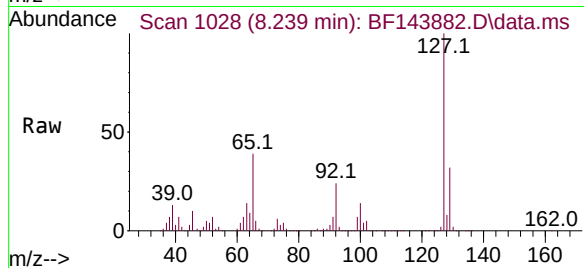
77 96.1 76.3 116.3





#33
4-Chloroaniline
Concen: 69.923 ng
RT: 8.239 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

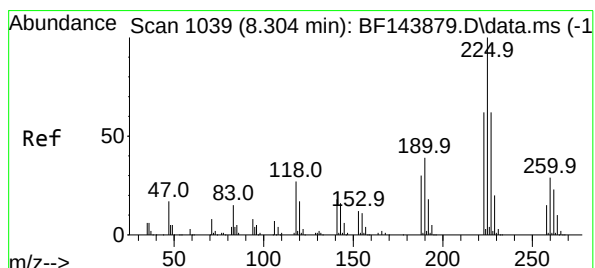
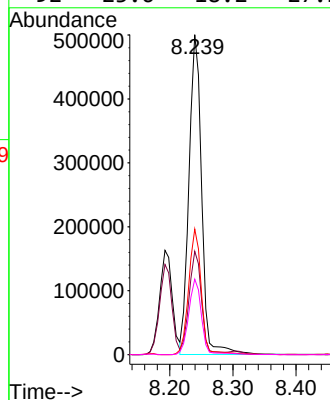
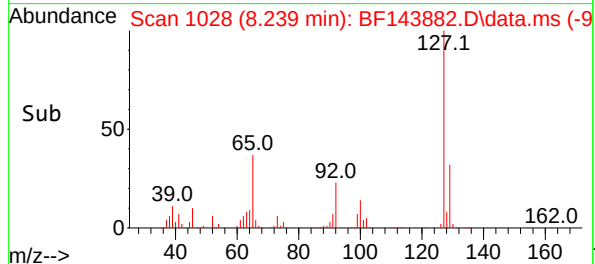
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:127 Resp: 697350
Ion Ratio Lower Upper
127 100
129 32.3 25.8 38.8
65 39.2 30.0 45.0
92 23.6 18.2 27.2

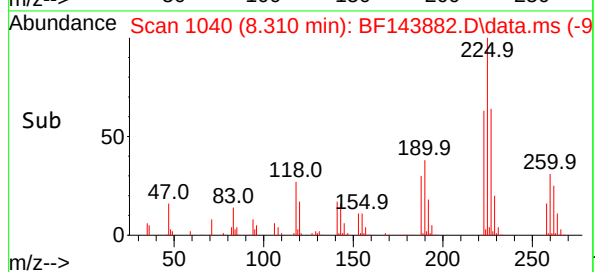
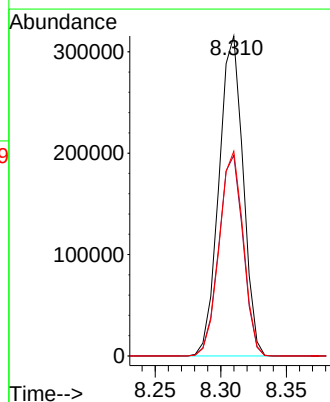
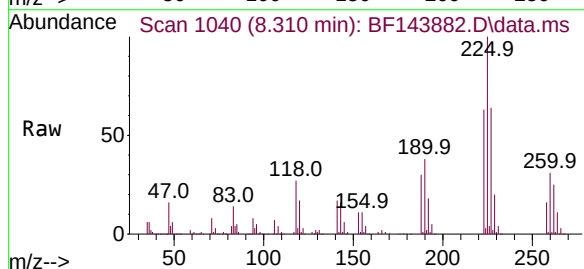
Manual Integrations
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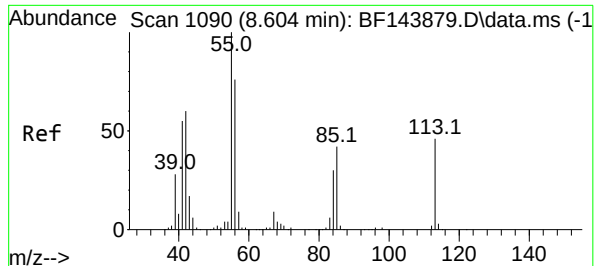
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#34
Hexachlorobutadiene
Concen: 68.974 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

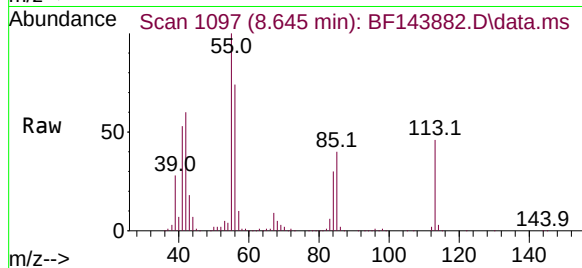
Tgt Ion:225 Resp: 404619
Ion Ratio Lower Upper
225 100
223 62.7 49.4 74.2
227 64.0 49.7 74.5





#35
Caprolactam
Concen: 80.169 ng
RT: 8.645 min Scan# 1090
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

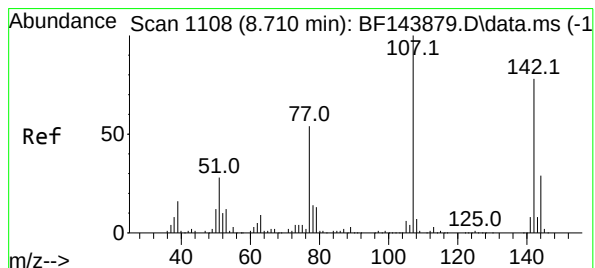
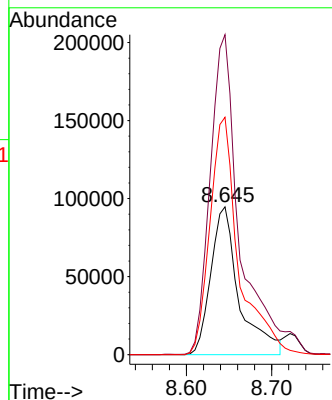
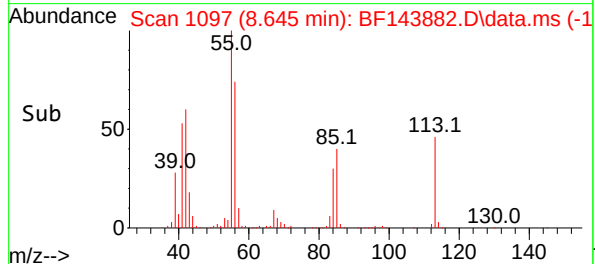
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:113 Resp: 21880
Ion Ratio Lower Upper
113 100
55 216.6 199.6 239.6
56 160.6 146.0 186.0

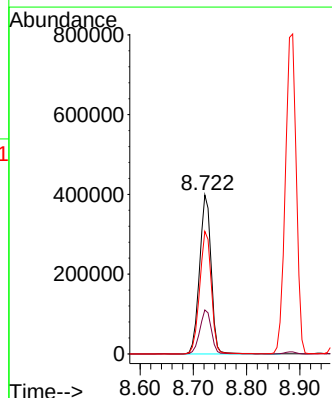
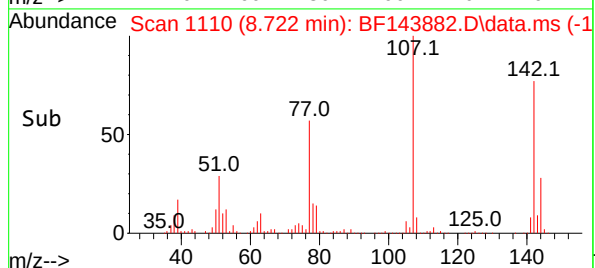
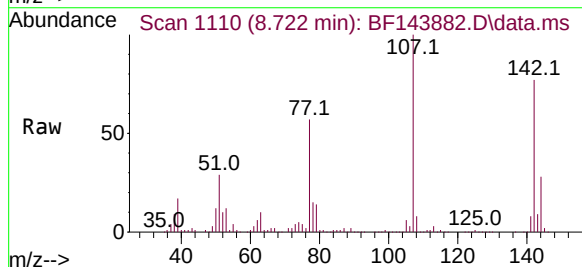
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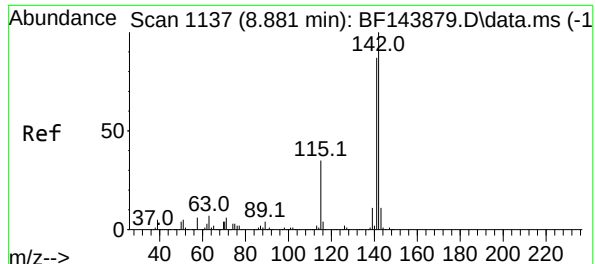
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#36
4-Chloro-3-methylphenol
Concen: 72.601 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:107 Resp: 598614
Ion Ratio Lower Upper
107 100
144 27.6 23.1 34.7
142 77.0 62.6 94.0





#37

2-Methylnaphthalene

Concen: 64.254 ng

RT: 8.886 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:142 Resp: 1138146

Ion Ratio Lower Upper

142 100

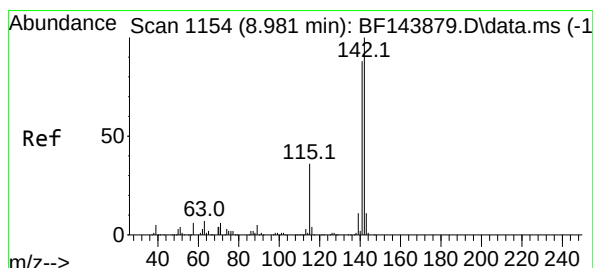
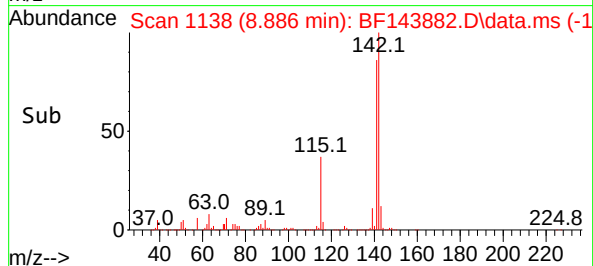
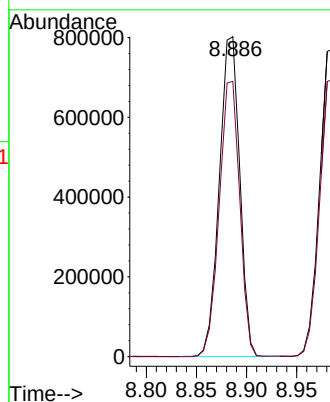
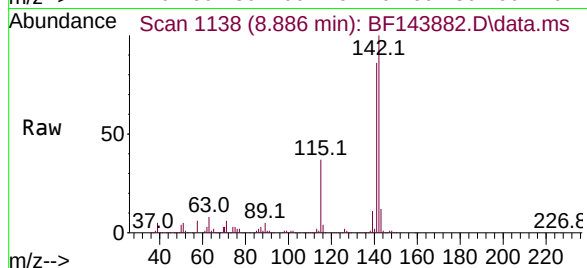
141 86.0 69.2 103.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#38

1-Methylnaphthalene

Concen: 63.318 ng

RT: 8.986 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF143882.D

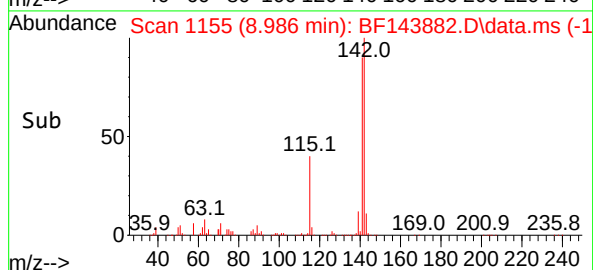
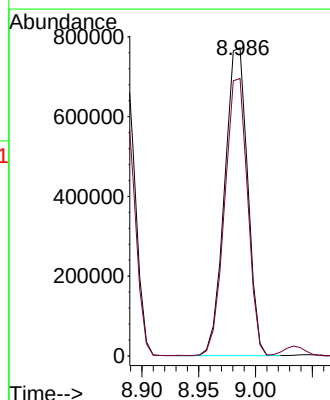
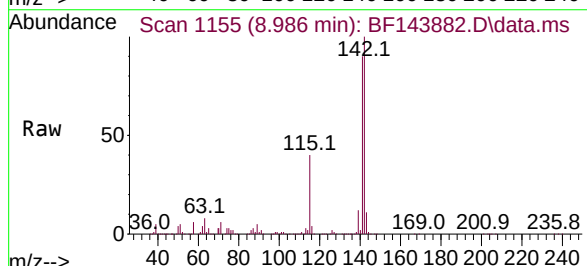
Acq: 06 Oct 2025 14:22

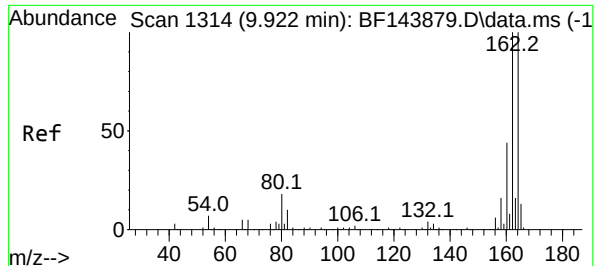
Tgt Ion:142 Resp: 1087879

Ion Ratio Lower Upper

142 100

141 90.1 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1314

Delta R.T. 0.000 min

Lab File: BF143882.D

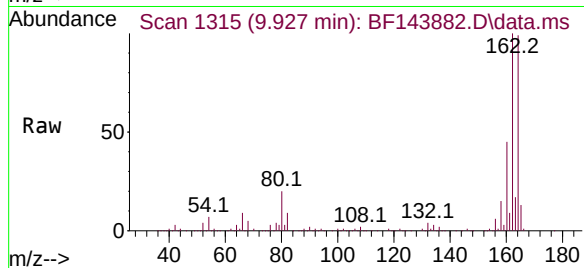
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

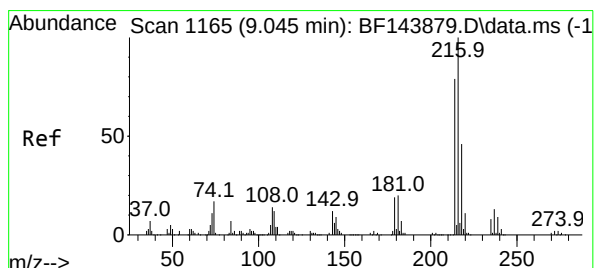
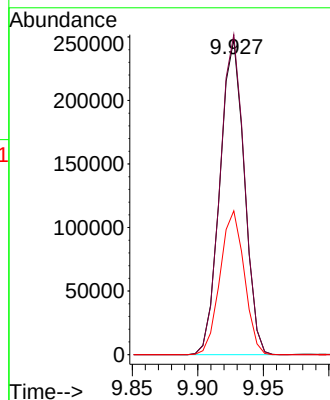
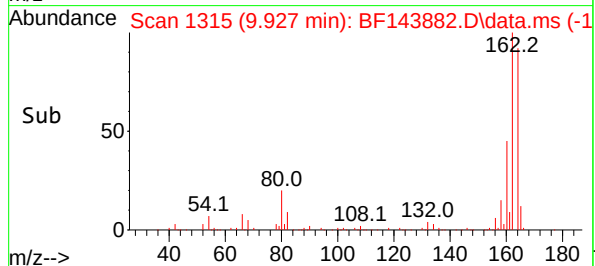


Tgt Ion:164	Resp: 320335
Ion Ratio	Lower Upper
164	100
162	101.5 80.2 120.2
160	45.6 35.4 53.0

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Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

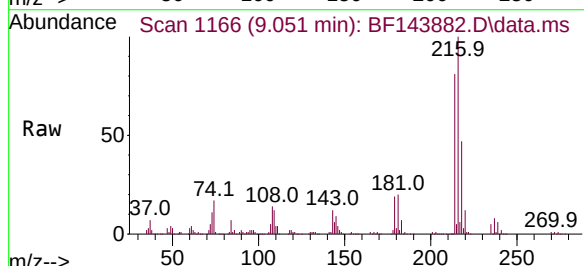
Concen: 67.166 ng

RT: 9.051 min Scan# 1166

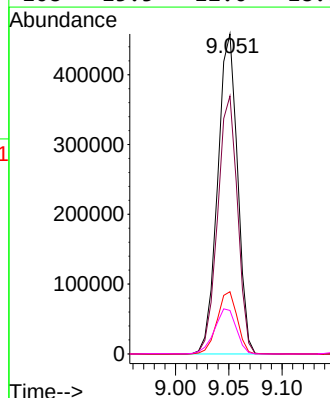
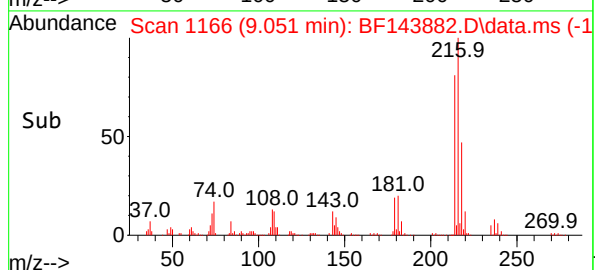
Delta R.T. 0.000 min

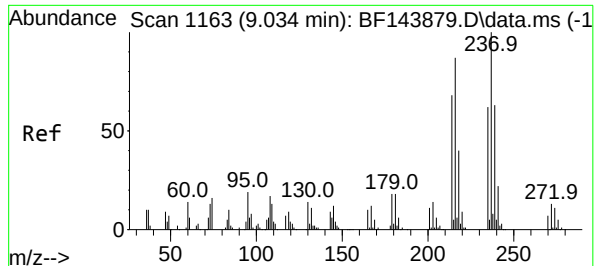
Lab File: BF143882.D

Acq: 06 Oct 2025 14:22



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





#41

Hexachlorocyclopentadiene

Concen: 81.998 ng

RT: 9.033 min Scan# 1163

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:237 Resp: 301178

Ion Ratio Lower Upper

237 100

235 62.1 42.3 82.3

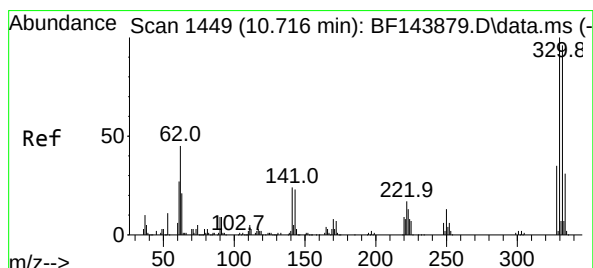
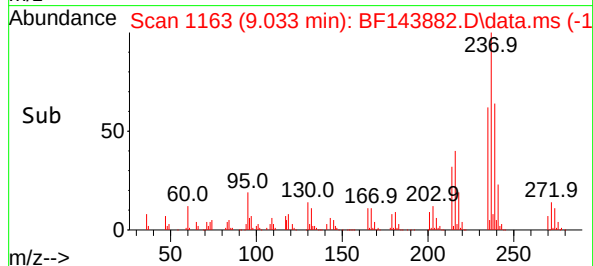
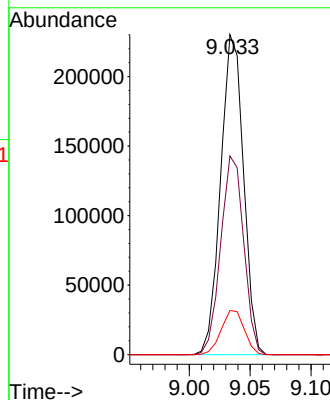
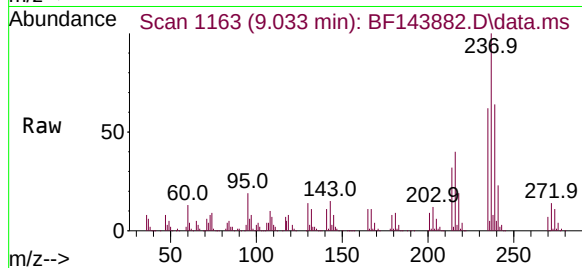
272 13.8 0.0 33.1

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#42

2,4,6-Tribromophenol

Concen: 155.397 ng

RT: 10.722 min Scan# 1450

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

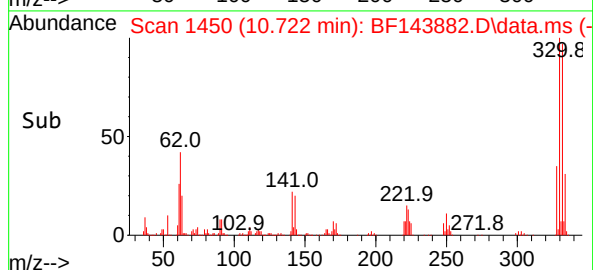
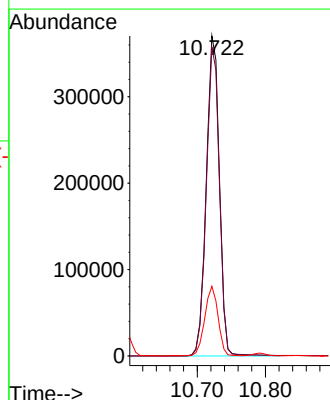
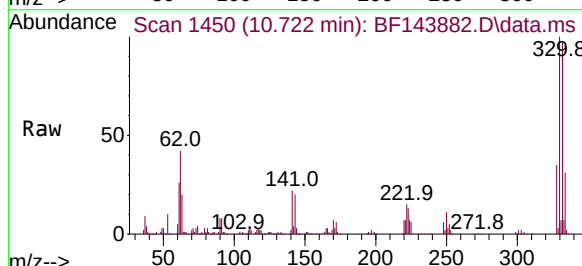
Tgt Ion:330 Resp: 495811

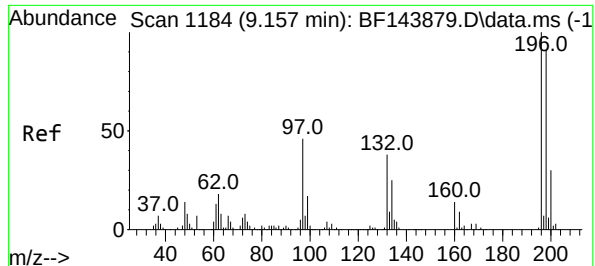
Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

141 21.8 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 74.487 ng

RT: 9.163 min Scan# 1185

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

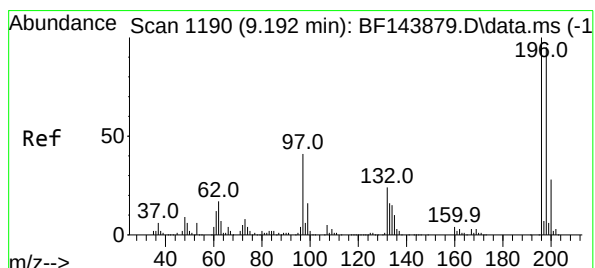
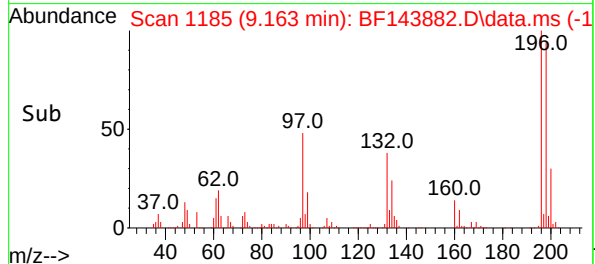
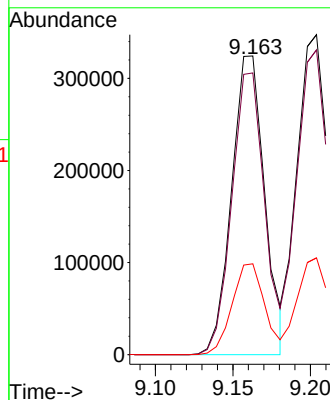
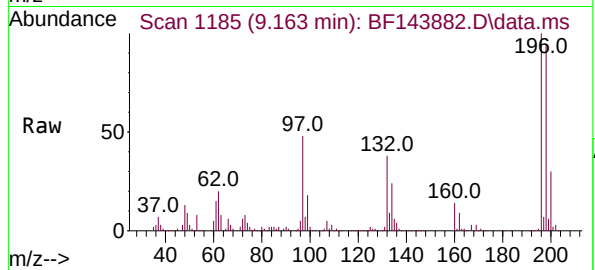
ClientSampleId :

SSTDICC080

Tgt Ion:196 Resp: 481852
Ion Ratio Lower Upper
196 100
198 94.4 72.8 109.2
200 30.4 24.0 36.0

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



#44

2,4,5-Trichlorophenol

Concen: 71.286 ng

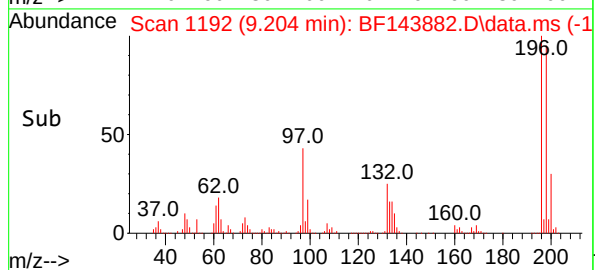
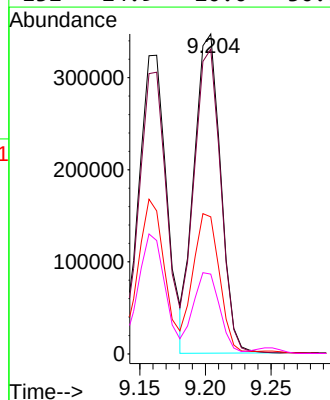
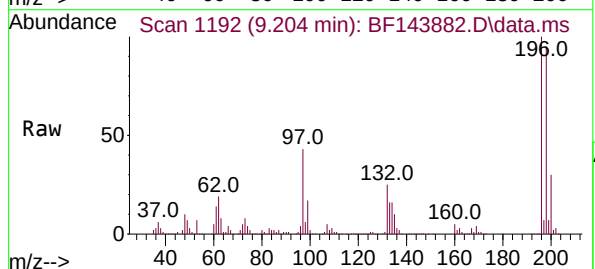
RT: 9.204 min Scan# 1192

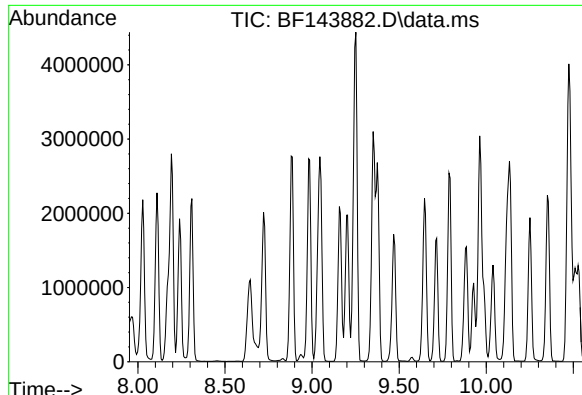
Delta R.T. -0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Tgt Ion:196 Resp: 487322
Ion Ratio Lower Upper
196 100
198 95.2 75.5 113.3
97 42.8 33.9 50.9
132 24.9 20.0 30.0





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

Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 172
Sig Exp Ratio
172 100
171 34.2
170 23.3

Instrument :

BNA_F

ClientSampleId :

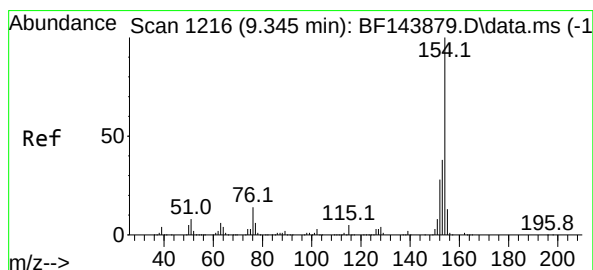
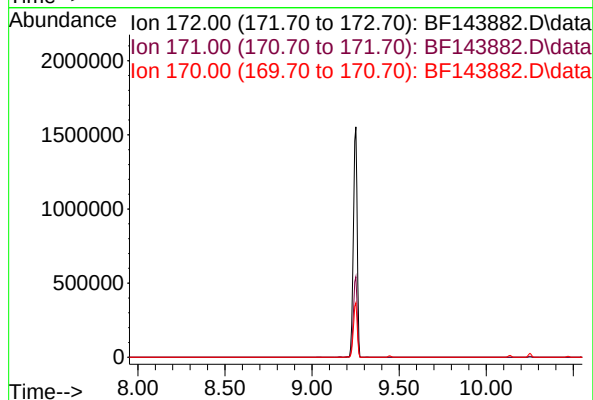
SSTDICC080

Manual Integrations

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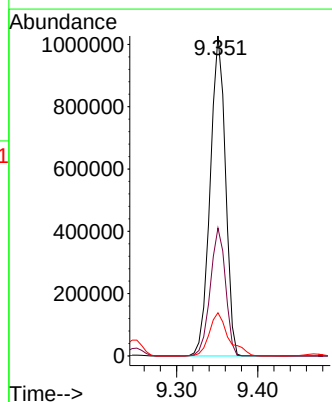
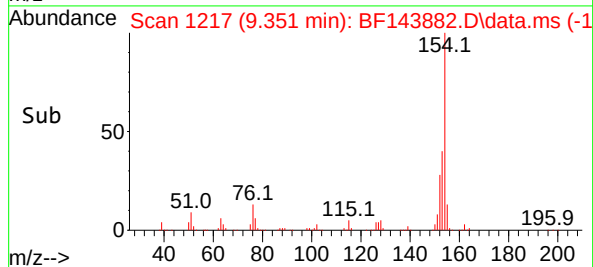
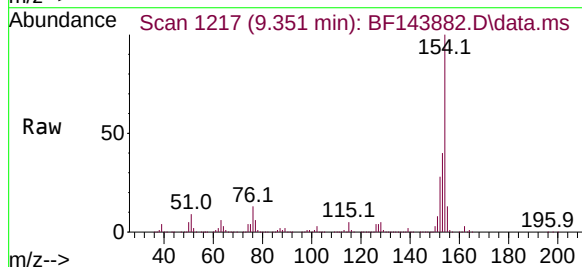
Reviewed By :Rahul Chavli 10/07/2025

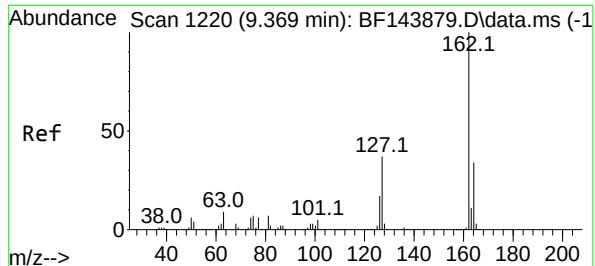
Supervised By :Jagrut Upadhyay 10/07/2025



#46
1,1'-Biphenyl
Concen: 63.407 ng
RT: 9.351 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:154 Resp: 1344805
Ion Ratio Lower Upper
154 100
153 40.0 18.4 58.4
76 13.5 0.0 34.0





#47

2-Chloronaphthalene

Concen: 66.165 ng

RT: 9.375 min Scan# 1221

Delta R.T. 0.000 min

Lab File: BF143882.D

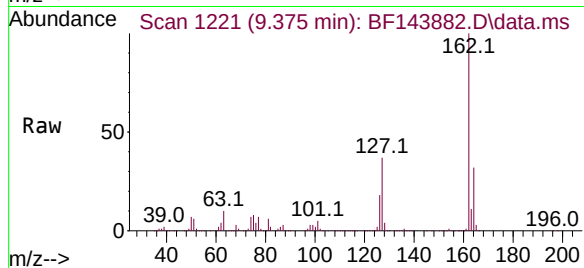
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:162 Resp: 1170019

Ion Ratio Lower Upper

162 100

127 37.1 30.2 45.2

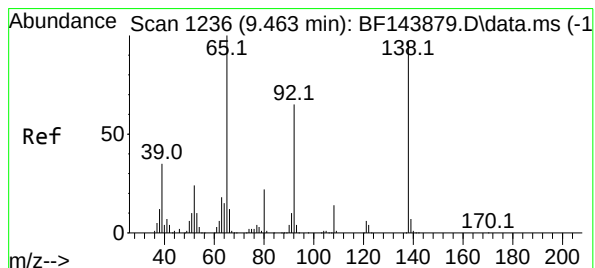
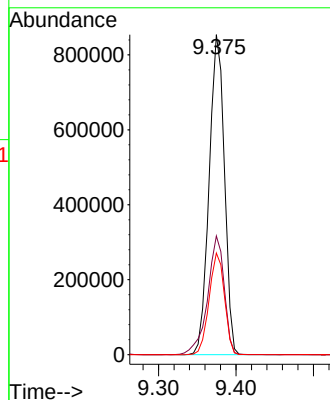
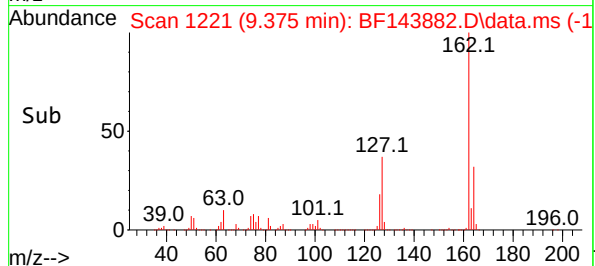
164 31.7 26.9 40.3

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Supervised By :Jagrut Upadhyay 10/07/2025



#48

2-Nitroaniline

Concen: 79.693 ng

RT: 9.469 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

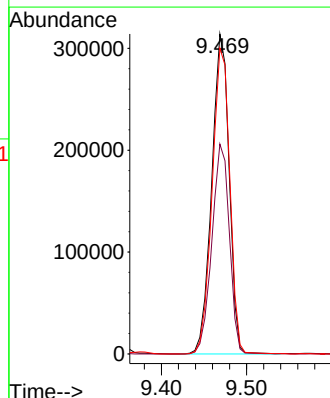
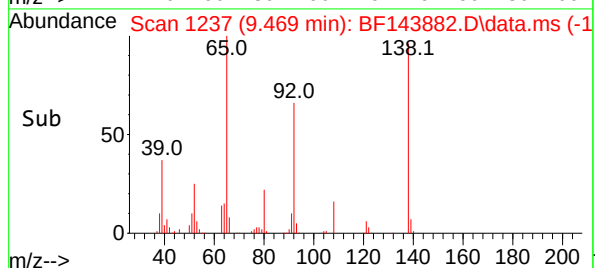
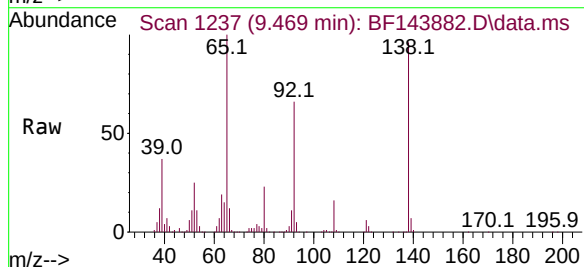
Tgt Ion: 65 Resp: 445537

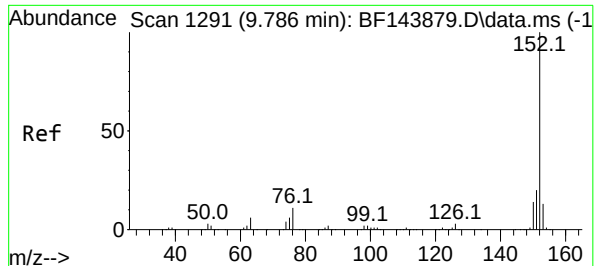
Ion Ratio Lower Upper

65 100

92 65.6 52.1 78.1

138 95.5 77.4 116.2





#49

Acenaphthylene

Concen: 66.159 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143882.D

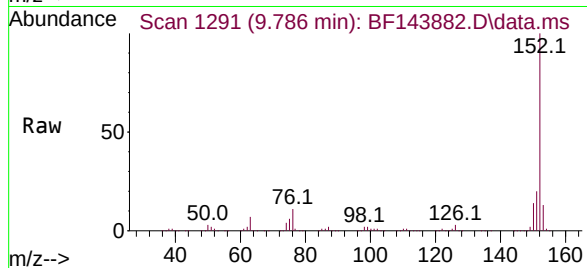
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:152 Resp: 1644728

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

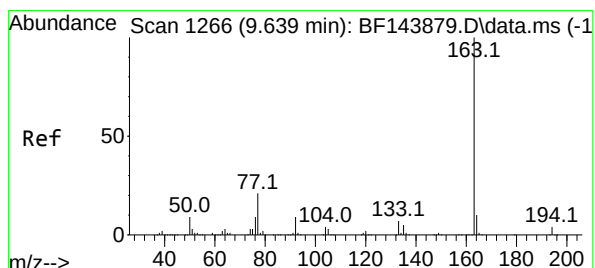
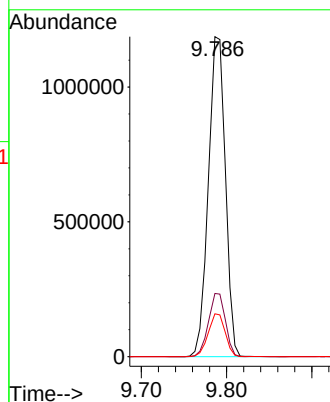
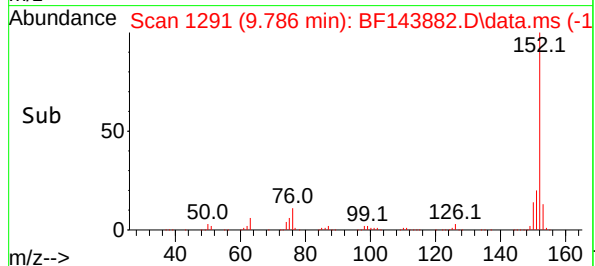
153 13.4 10.5 15.7

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#50

Dimethylphthalate

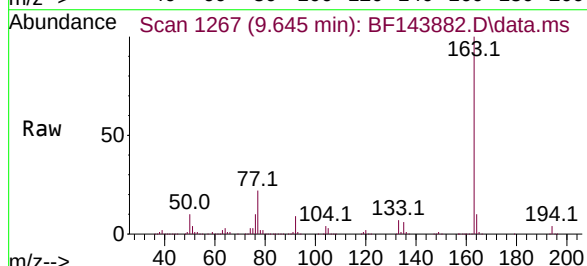
Concen: 69.582 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22



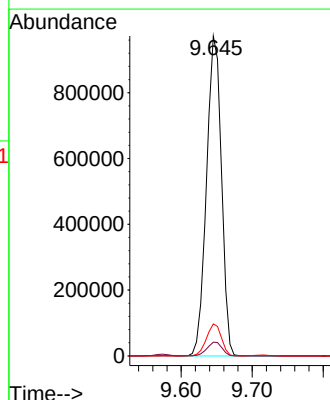
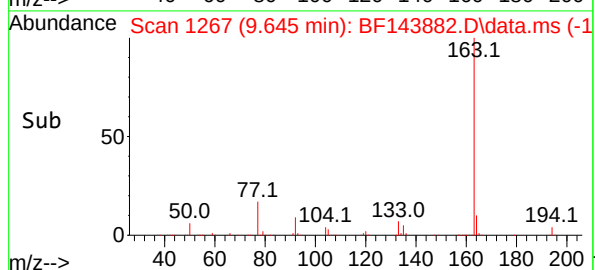
Tgt Ion:163 Resp: 1415482

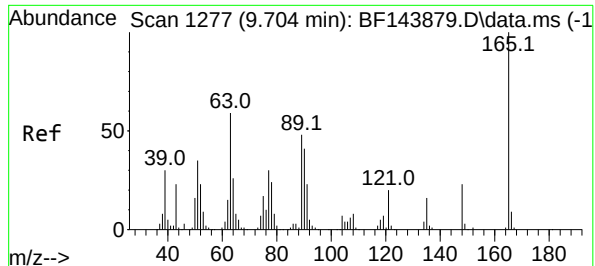
Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

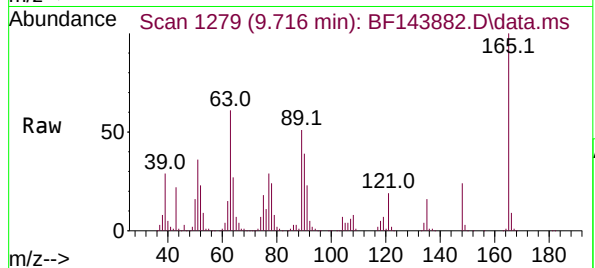
164 10.0 8.1 12.1





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

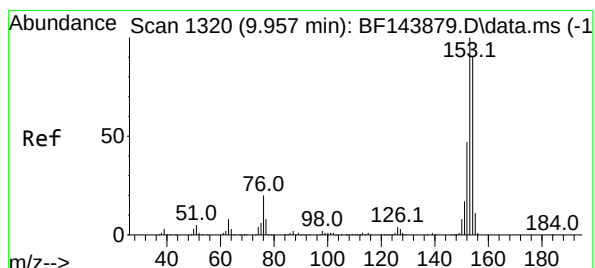
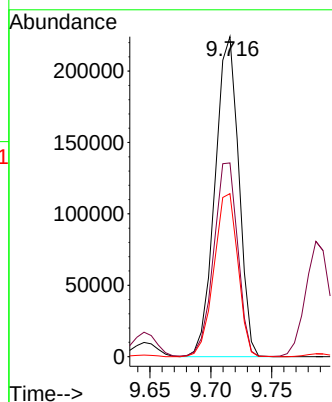
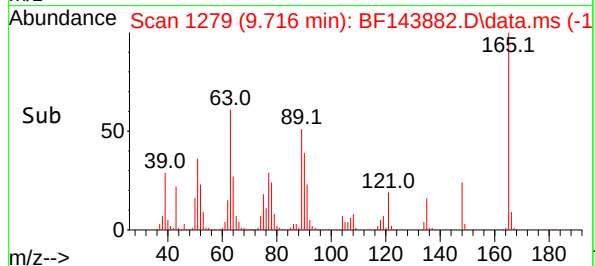
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

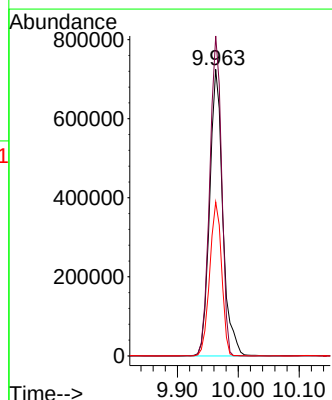
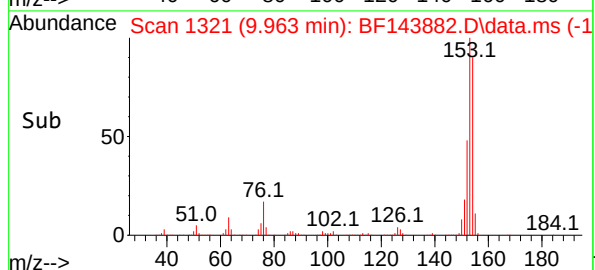
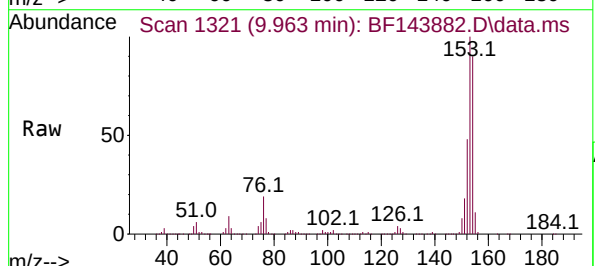
Manual Integrations
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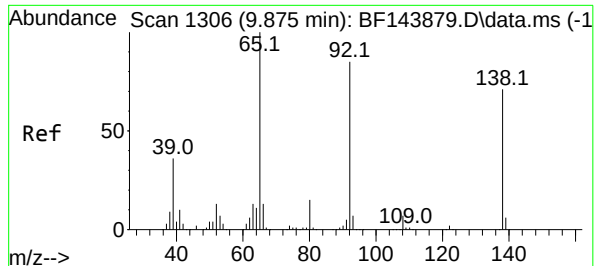
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#52
Acenaphthene
Concen: 66.651 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

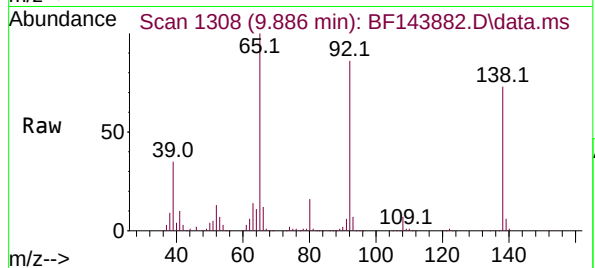
Tgt Ion:154 Resp: 1085733
Ion Ratio Lower Upper
154 100
153 111.7 89.3 133.9
152 53.7 42.2 63.2





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

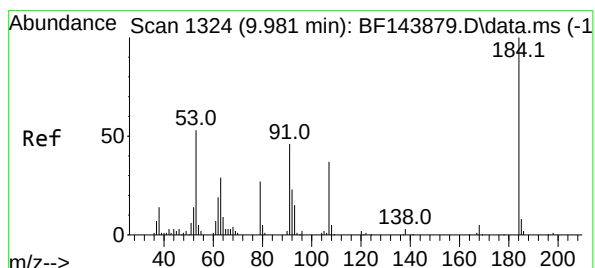
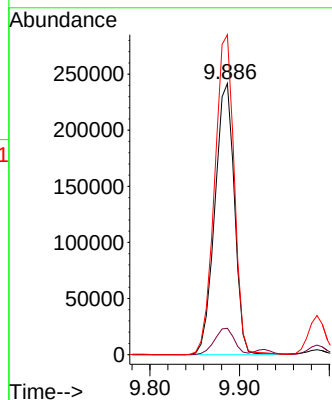
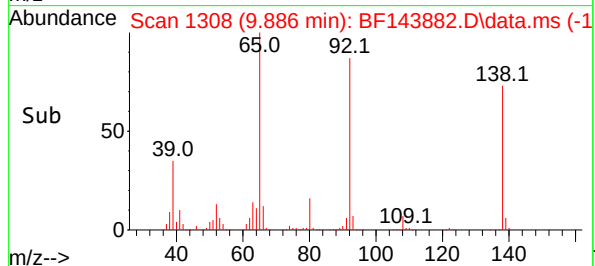
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:138 Resp: 365960
Ion Ratio Lower Upper
138 100
108 9.7 8.3 12.5
92 118.0 96.2 144.2

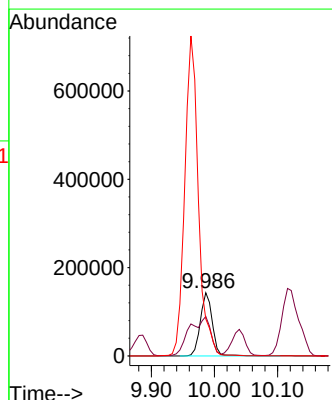
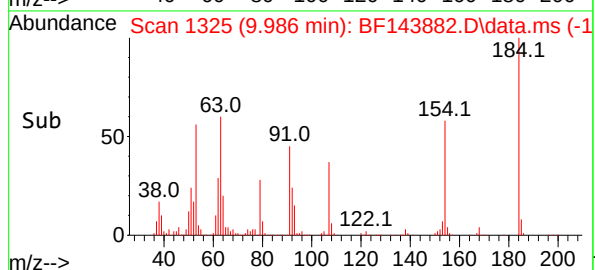
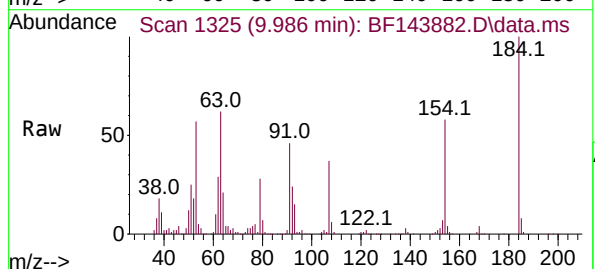
Manual Integrations
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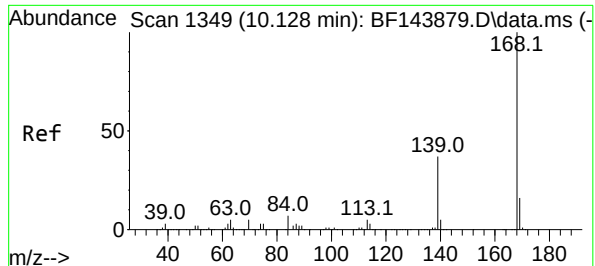
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#54
2,4-Dinitrophenol
Concen: 80.556 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:184 Resp: 187560
Ion Ratio Lower Upper
184 100
63 62.4 48.2 72.4
154 58.5 49.2 73.8





#55

Dibenzenofuran

Concen: 63.998 ng

RT: 10.133 min Scan# 1350

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:168 Resp: 1471622

Ion Ratio Lower Upper

168 100

139 39.0 29.8 44.8

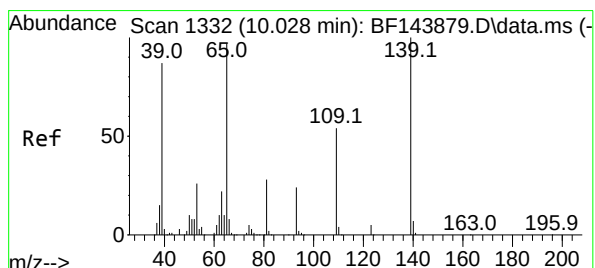
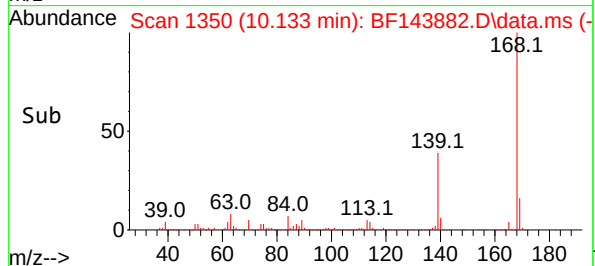
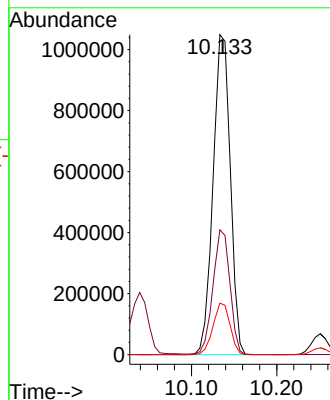
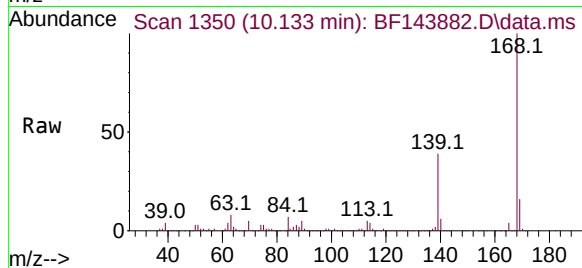
169 16.1 12.8 19.2

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#56

4-Nitrophenol

Concen: 84.335 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

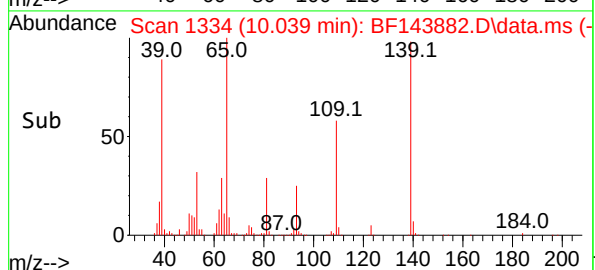
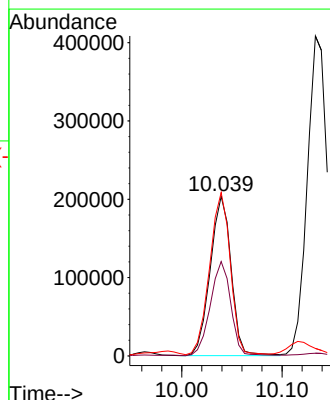
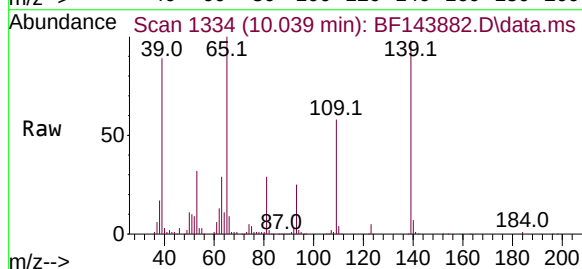
Tgt Ion:139 Resp: 294937

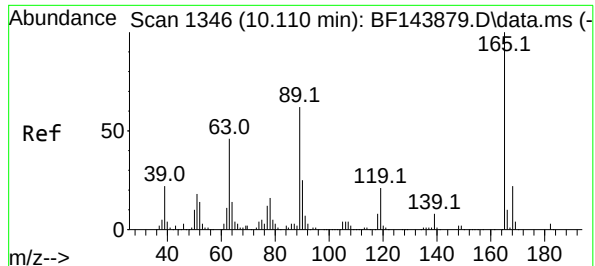
Ion Ratio Lower Upper

139 100

109 59.0 34.5 74.5

65 102.4 77.6 117.6





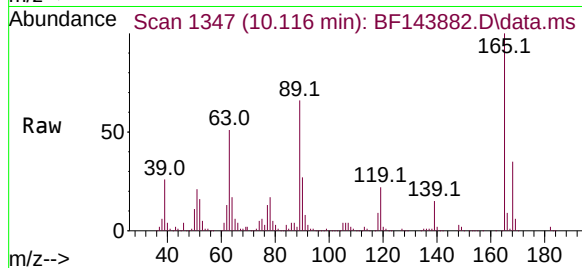
#57
2,4-Dinitrotoluene
Concen: 79.779 ng
RT: 10.116 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

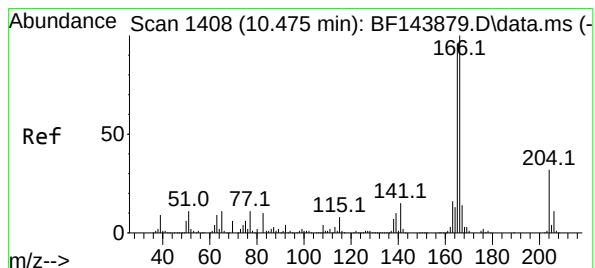
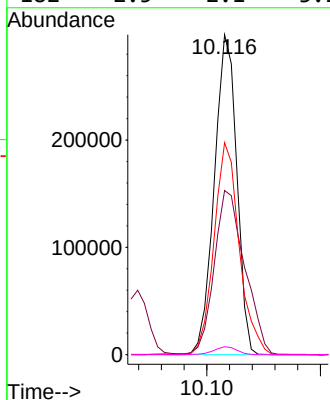
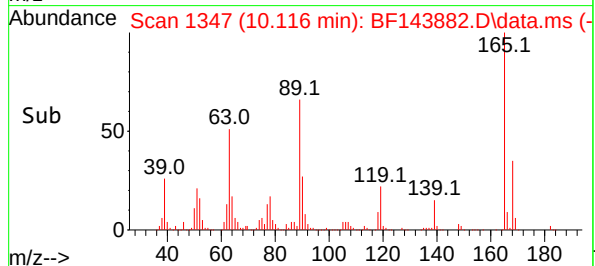


Tgt Ion:165 Resp: 409463
Ion Ratio Lower Upper
165 100
63 51.3 37.2 55.8
89 66.2 49.4 74.2
182 2.5 2.1 3.1

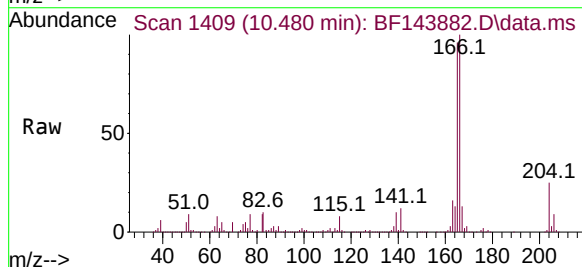
Manual Integrations

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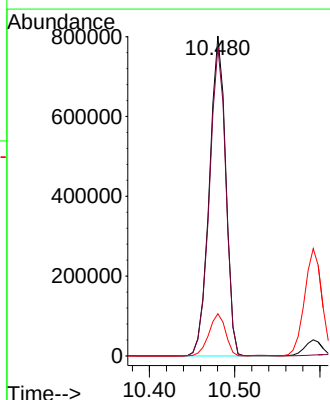
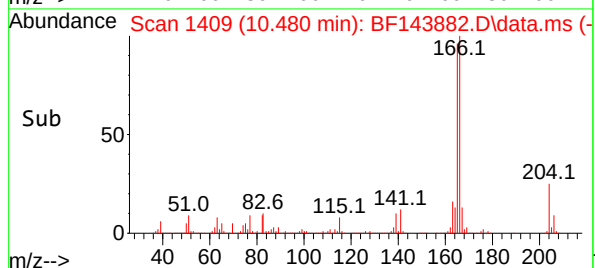
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

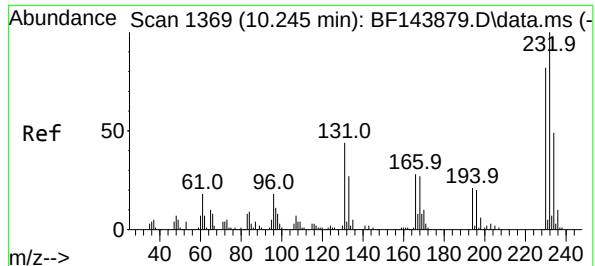


#58
Fluorene
Concen: 61.654 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



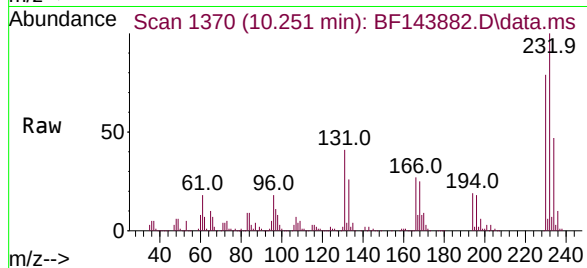
Tgt Ion:166 Resp: 1069764
Ion Ratio Lower Upper
166 100
165 96.4 77.0 115.6
167 13.2 11.1 16.7





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

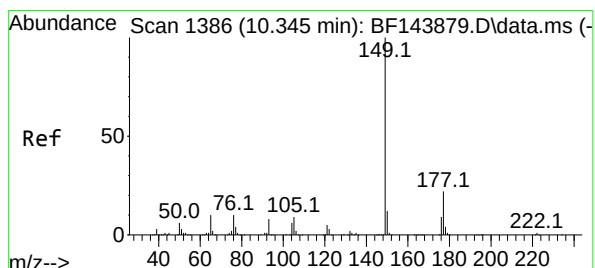
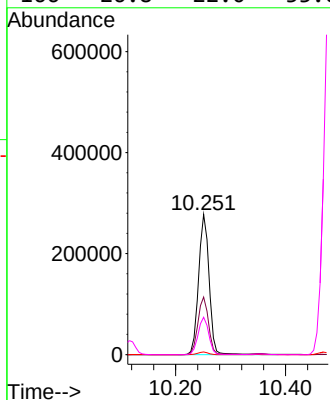
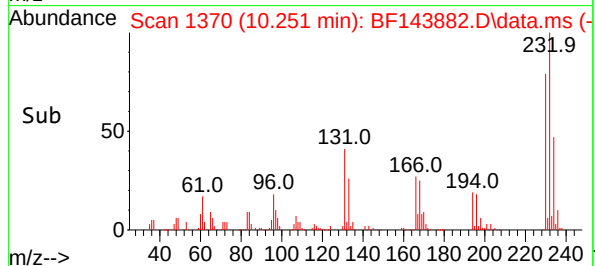
Instrument :
BNA_F
Client Sample Id :
SSTDICC080



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

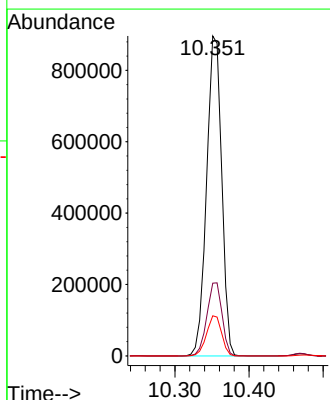
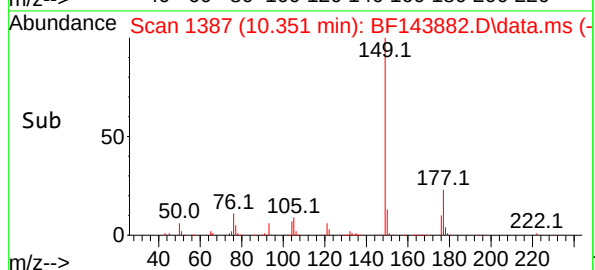
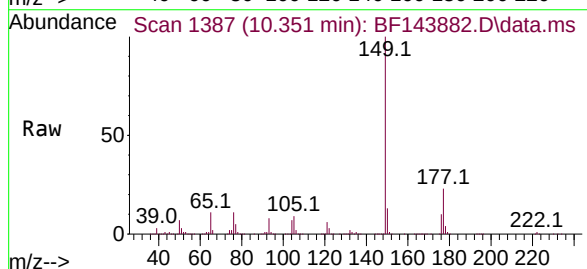
Manual Integrations
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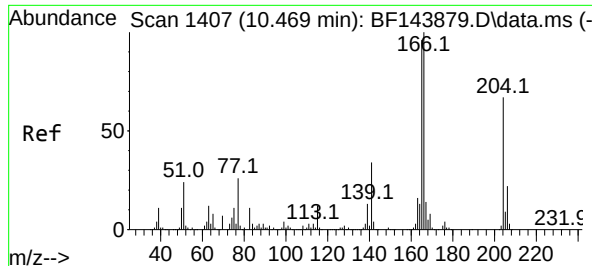
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

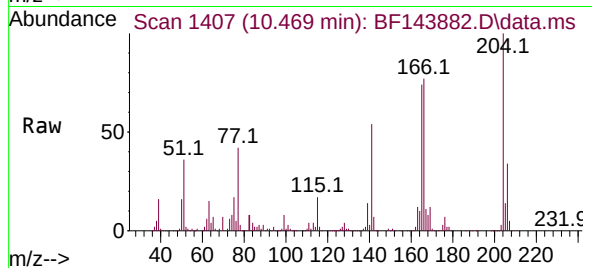
Tgt Ion:149 Resp: 1267085
Ion Ratio Lower Upper
149 100
177 22.7 17.9 26.9
150 12.5 9.8 14.8





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

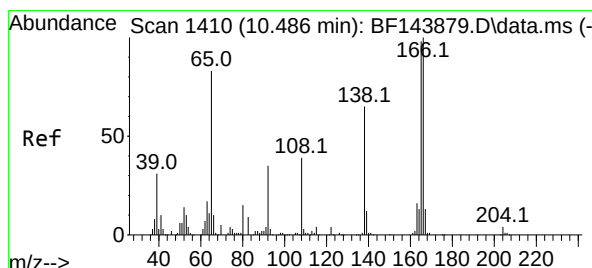
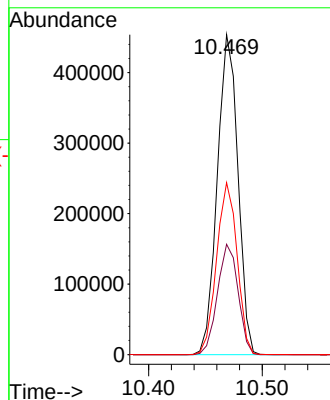
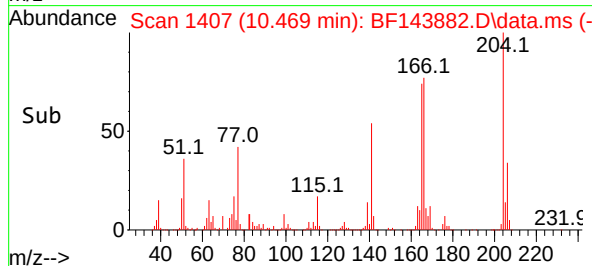
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



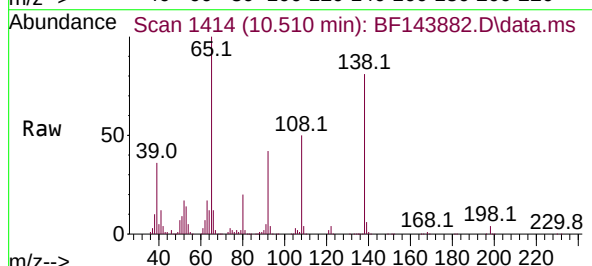
Tgt Ion:204 Resp: 572035
Ion Ratio Lower Upper
204 100
206 34.5 26.6 40.0
141 53.7 40.4 60.6

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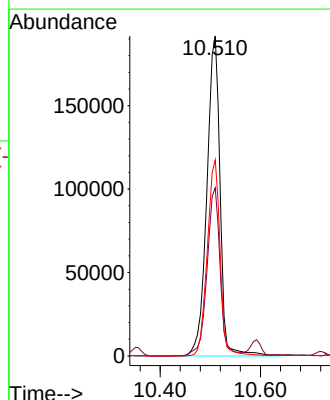
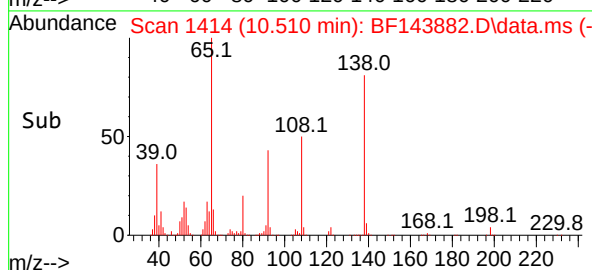
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

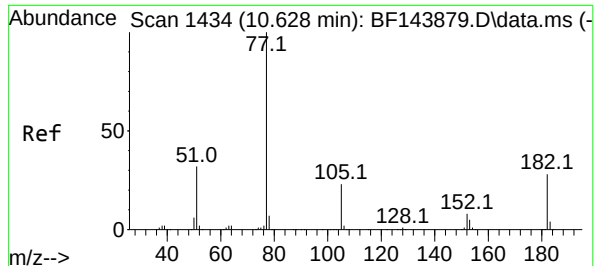


#62
4-Nitroaniline
Concen: 79.169 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



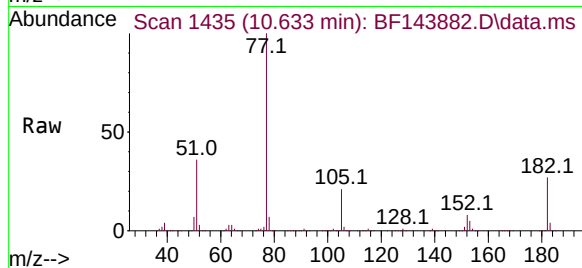
Tgt Ion:138 Resp: 351634
Ion Ratio Lower Upper
138 100
92 52.5 33.9 73.9
108 61.3 40.2 80.2





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

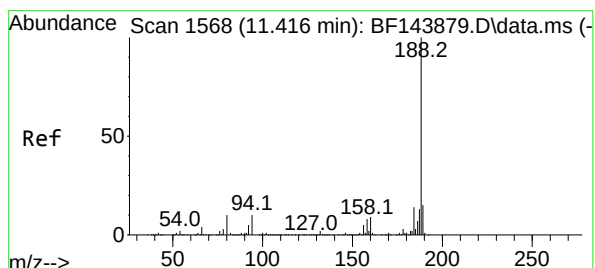
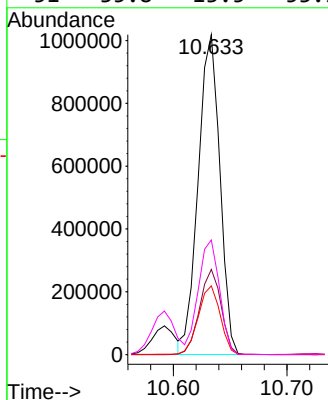
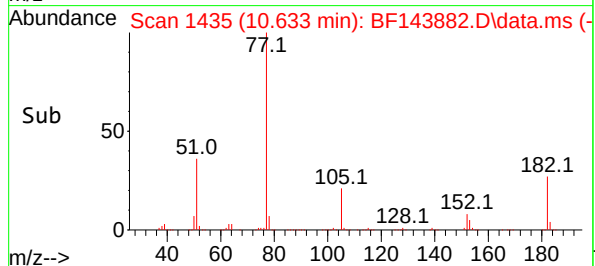
Instrument :
BNA_F
Client Sample Id :
SSTDICC080



Tgt Ion: 77 Resp: 1351920
Ion Ratio Lower Upper
77 100
182 26.7 7.3 47.3
105 21.5 3.0 43.0
51 35.8 13.5 53.5

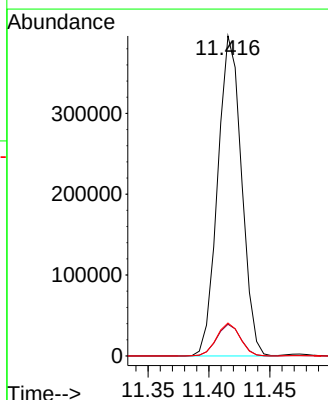
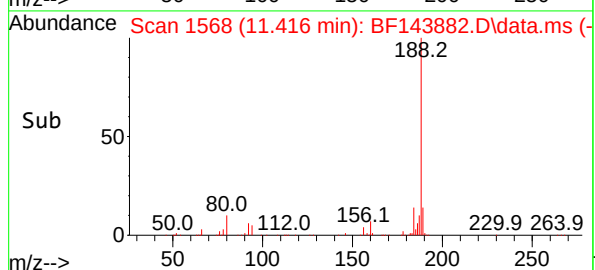
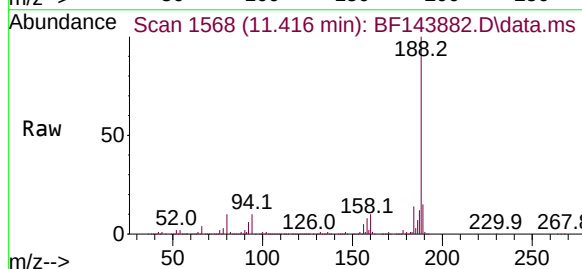
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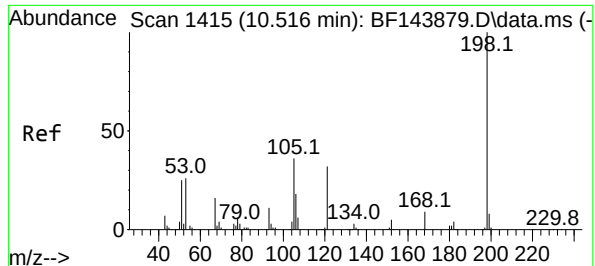
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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





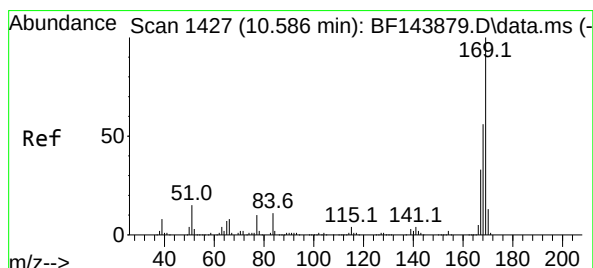
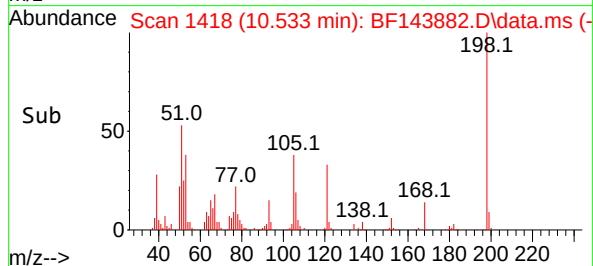
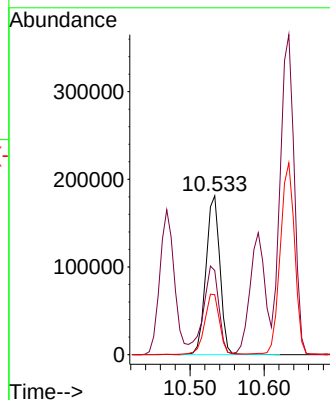
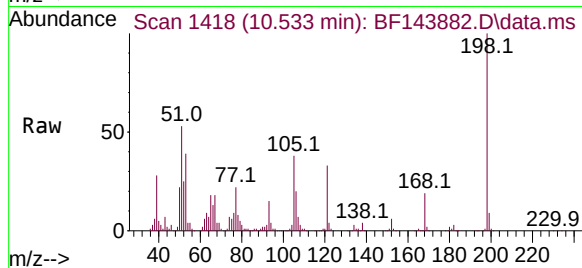
#65
4,6-Dinitro-2-methylphenol
Concen: 87.227 ng
RT: 10.533 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

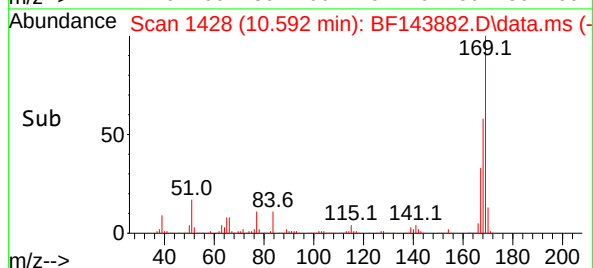
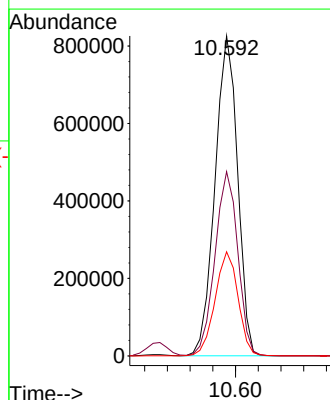
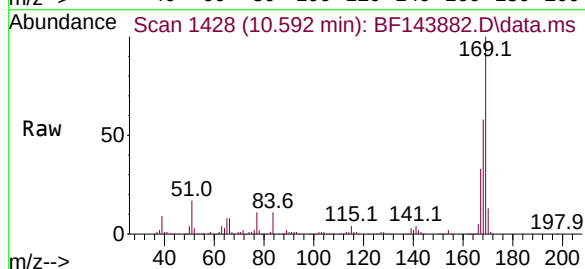
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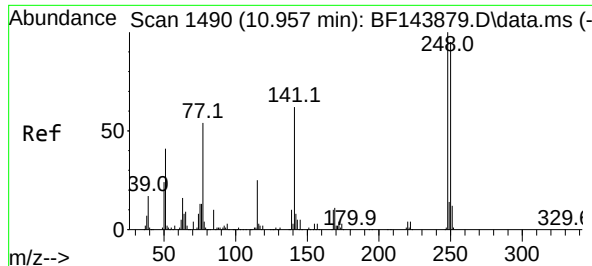
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:169 Resp: 1139482
Ion Ratio Lower Upper
169 100
168 57.6 44.9 67.3
167 32.5 26.3 39.5





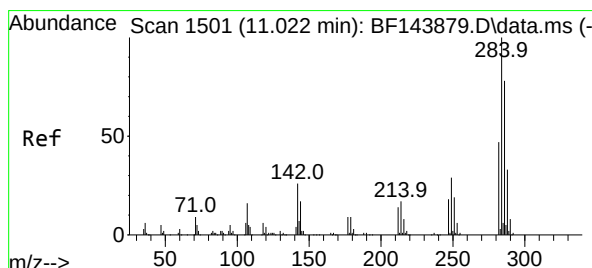
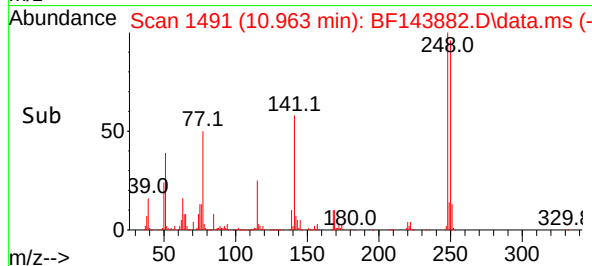
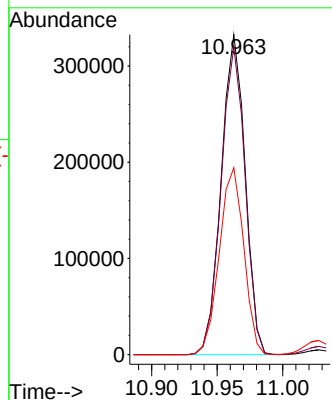
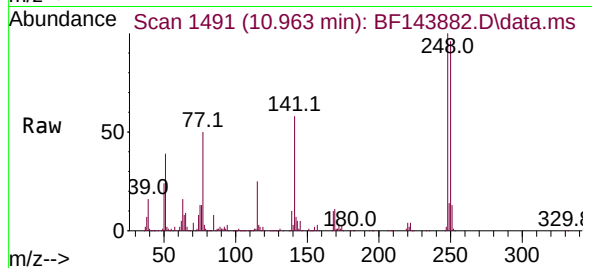
#67
4-Bromophenyl-phenylether
Concen: 70.857 ng
RT: 10.963 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

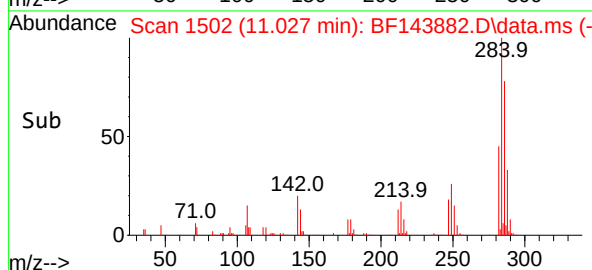
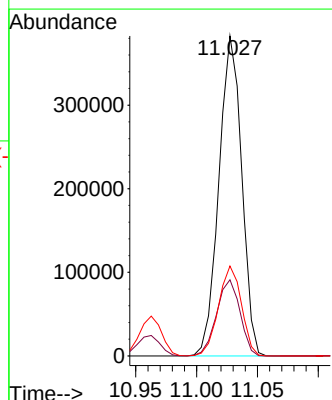
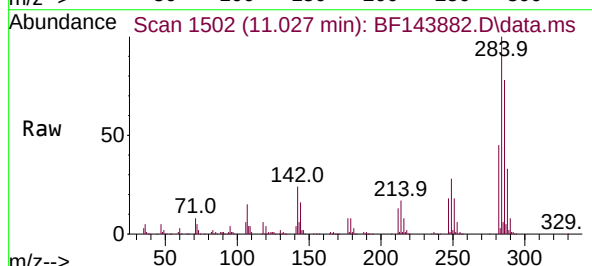
Manual Integrations
APPROVED

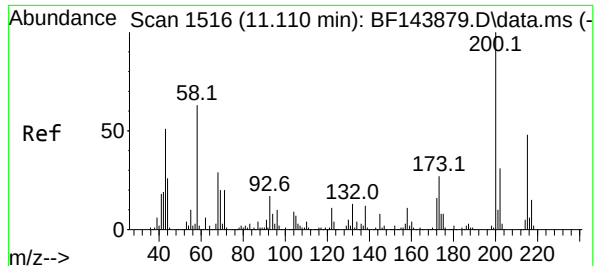
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#68
Hexachlorobenzene
Concen: 72.118 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:284 Resp: 498602
Ion Ratio Lower Upper
284 100
142 23.8 20.6 30.8
249 28.1 23.2 34.8





#69

Atrazine

Concen: 67.621 ng

RT: 11.121 min Scan# 1518

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:200 Resp: 347749

Ion Ratio Lower Upper

200 100

173 28.0 7.0 47.0

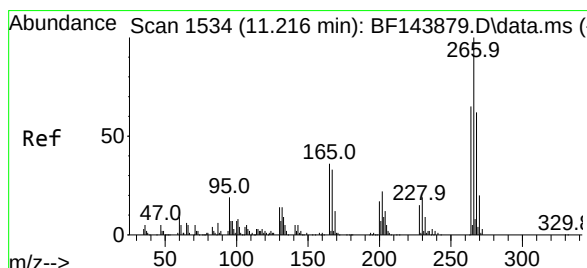
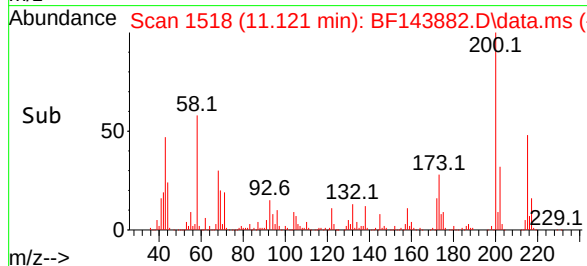
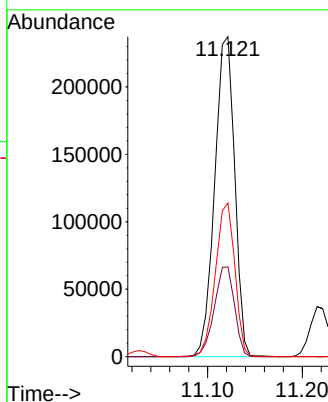
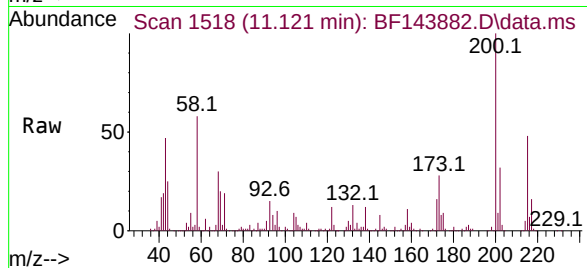
215 48.0 27.8 67.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#70

Pentachlorophenol

Concen: 80.208 ng

RT: 11.221 min Scan# 1535

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

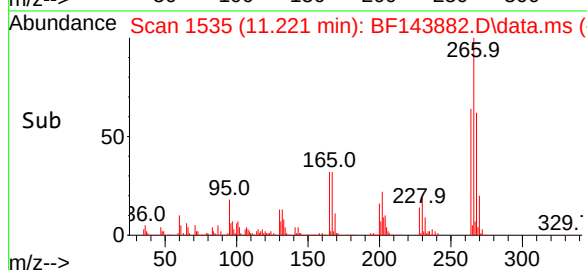
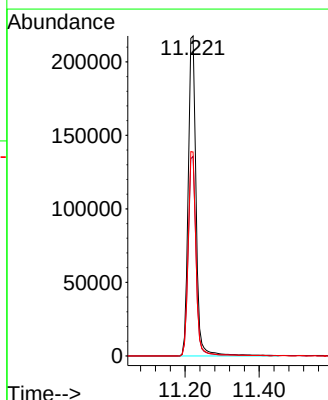
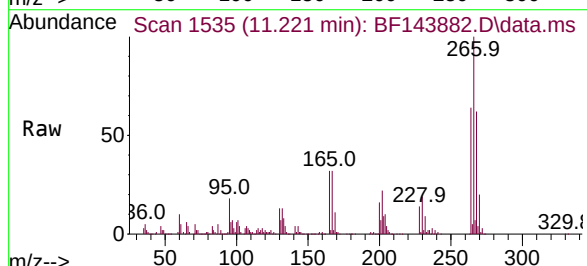
Tgt Ion:266 Resp: 318486

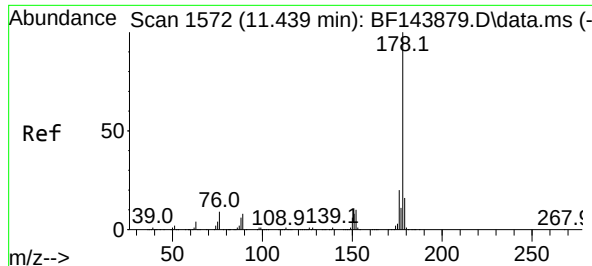
Ion Ratio Lower Upper

266 100

268 62.3 49.4 74.0

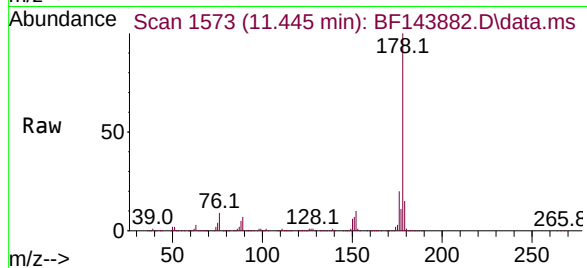
264 63.7 51.8 77.6





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

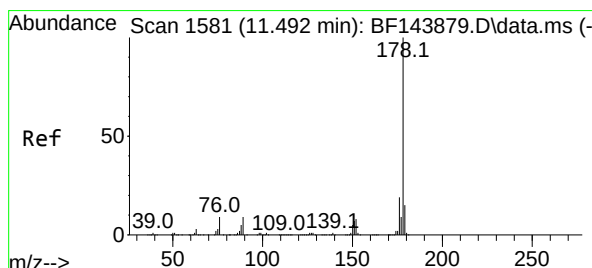
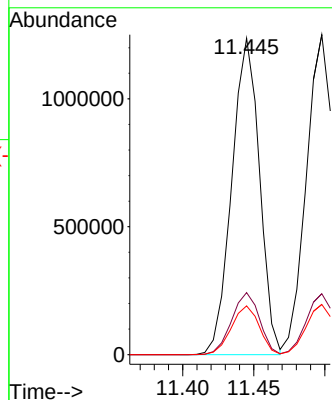
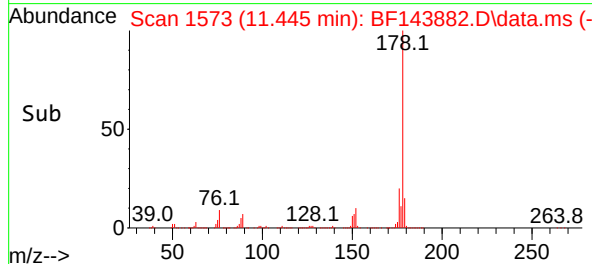
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



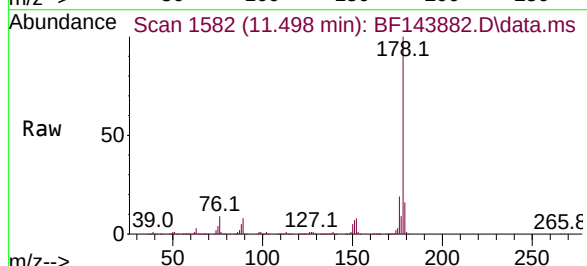
Tgt Ion:178 Resp: 1676081
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.4 12.4 18.6

Manual Integrations
APPROVED

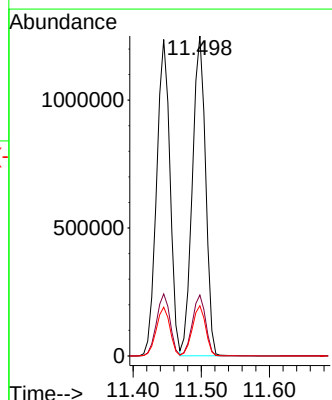
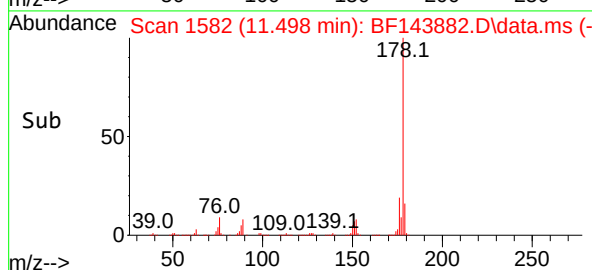
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

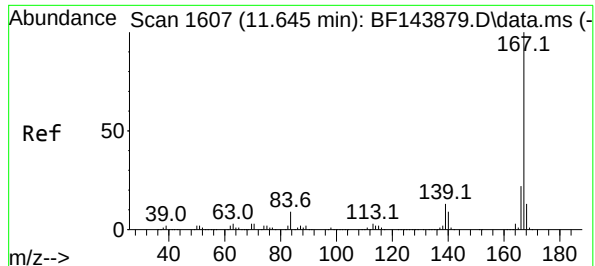


#72
Anthracene
Concen: 63.814 ng
RT: 11.498 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



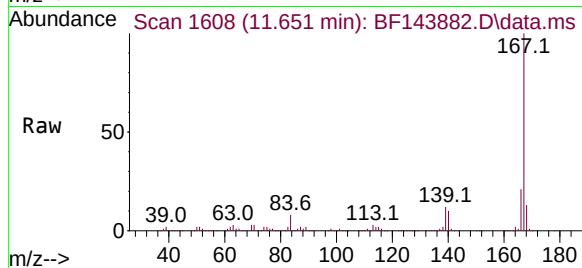
Tgt Ion:178 Resp: 1688865
Ion Ratio Lower Upper
178 100
176 19.0 14.9 22.3
179 15.7 12.2 18.2





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

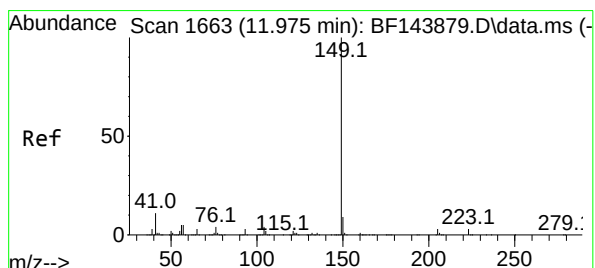
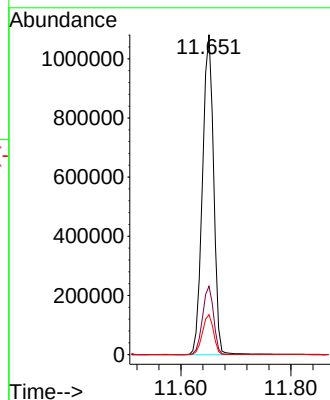
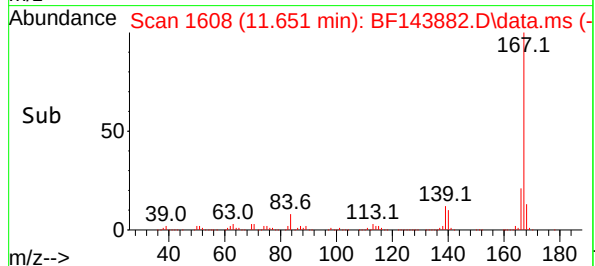
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



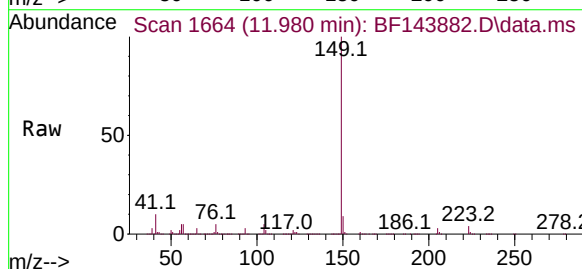
Tgt Ion:167 Resp: 1519615
Ion Ratio Lower Upper
167 100
166 21.4 17.2 25.8
139 12.5 10.1 15.1

Manual Integrations
APPROVED

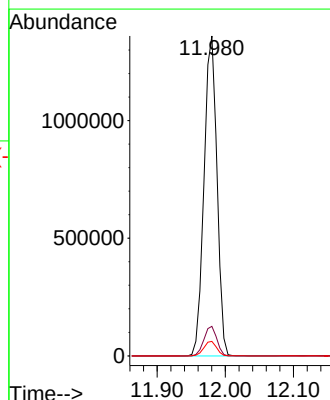
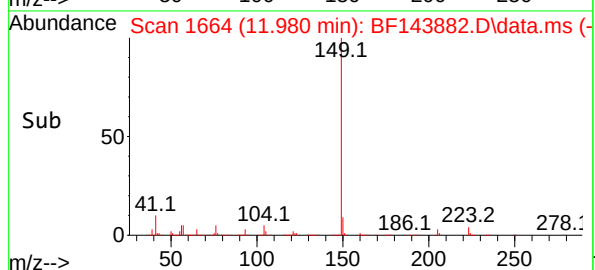
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

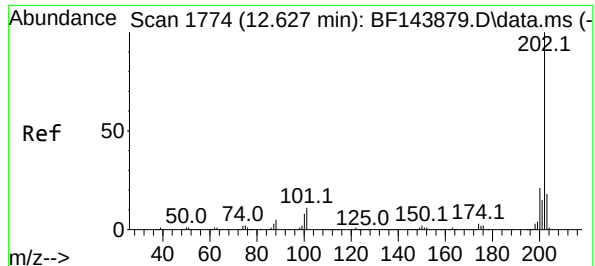


#74
Di-n-butylphthalate
Concen: 66.034 ng
RT: 11.980 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



Tgt Ion:149 Resp: 1793855
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.5 3.4 5.2





#75

Fluoranthene

Concen: 63.059 ng

RT: 12.633 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:202 Resp: 1706368

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.7

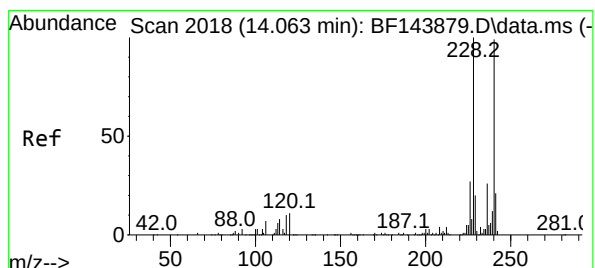
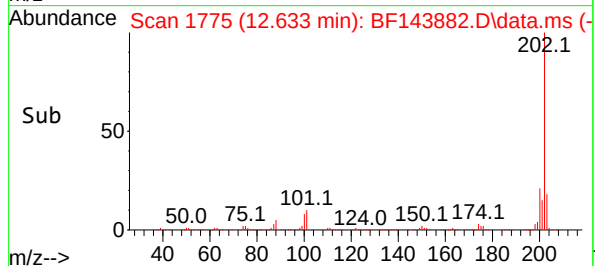
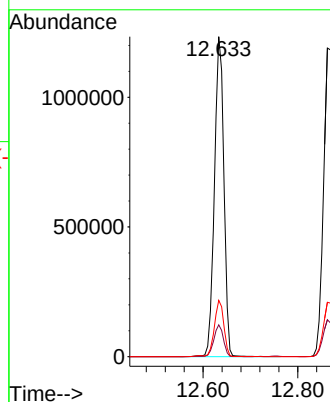
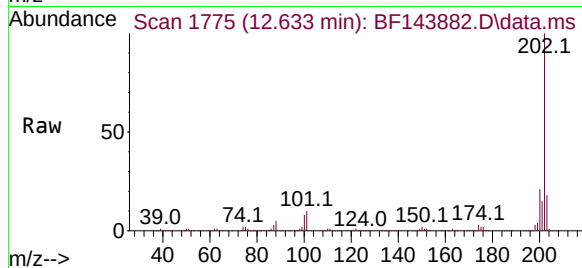
203 17.6 0.0 37.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

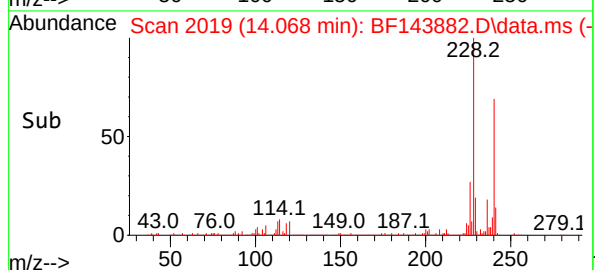
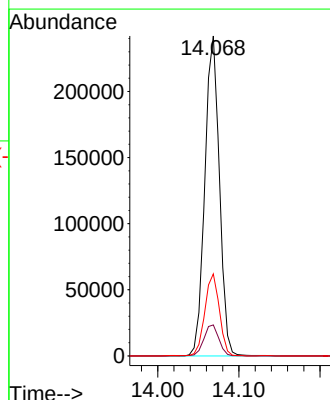
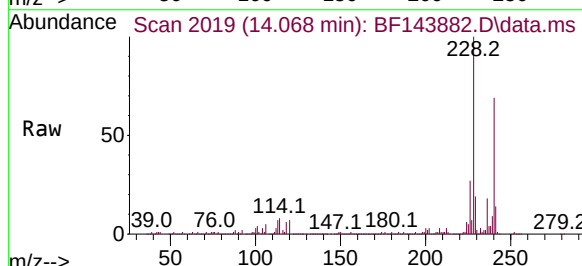
Tgt Ion:240 Resp: 302500

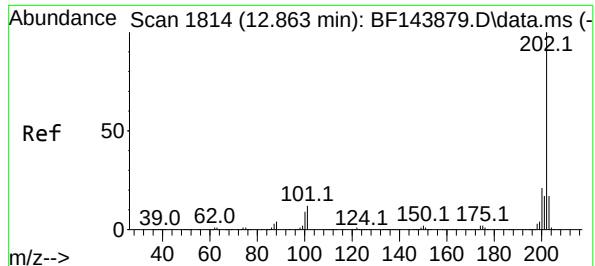
Ion Ratio Lower Upper

240 100

120 9.7 8.6 13.0

236 25.6 21.1 31.7





#78

Pyrene

Concen: 68.126 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF143882.D

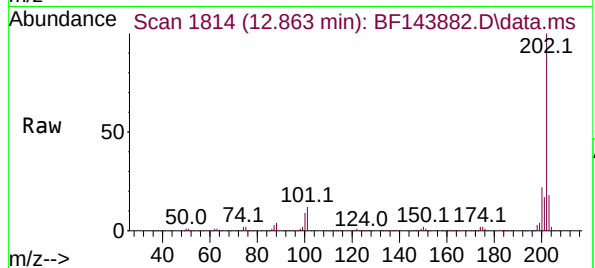
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:202 Resp: 1718085

Ion Ratio Lower Upper

202 100

200 21.9 17.0 25.6

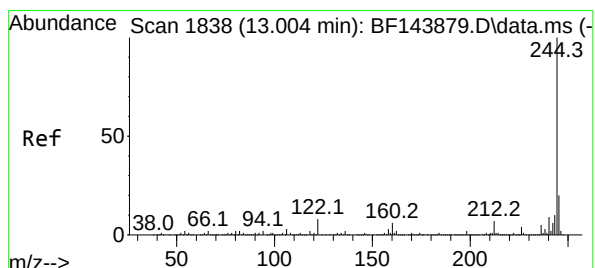
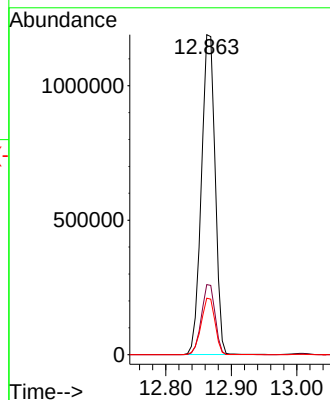
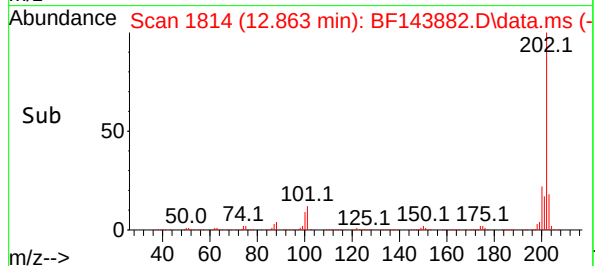
203 17.6 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#79

Terphenyl-d14

Concen: 134.604 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

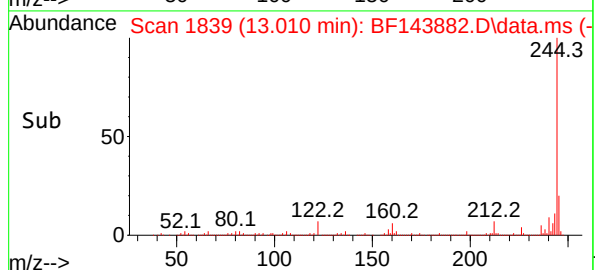
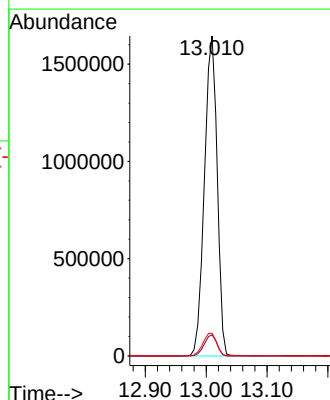
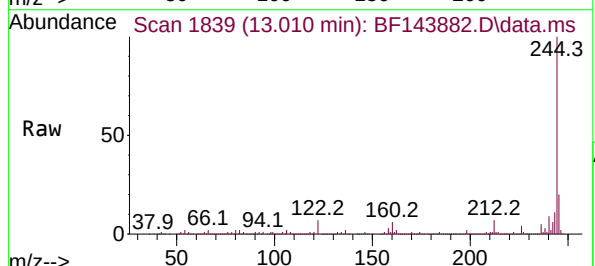
Tgt Ion:244 Resp: 2382437

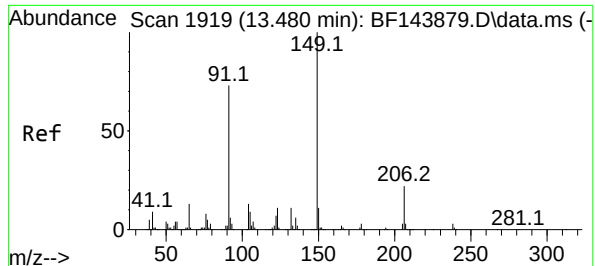
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 7.1 6.4 9.6





#80

Butylbenzylphthalate

Concen: 77.349 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:149 Resp: 633516

Ion Ratio Lower Upper

149 100

91 75.9 58.2 87.2

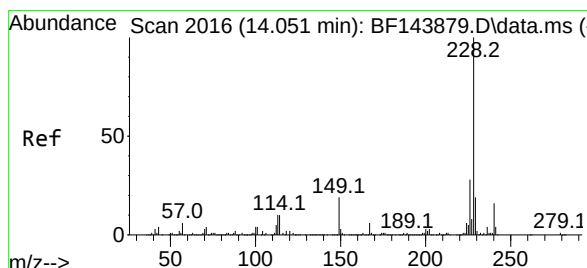
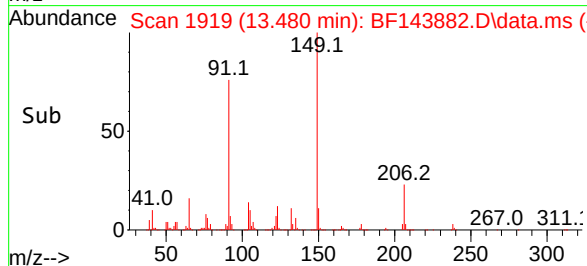
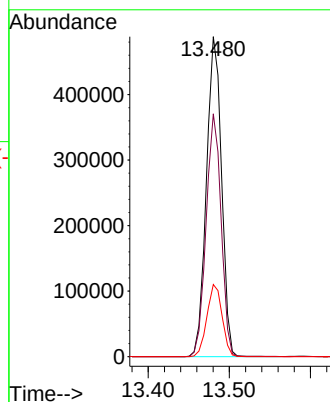
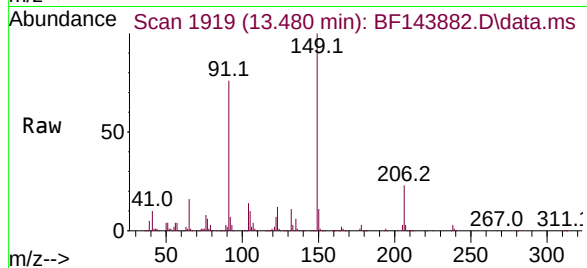
206 22.5 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#81

Benzo(a)anthracene

Concen: 73.238 ng

RT: 14.057 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

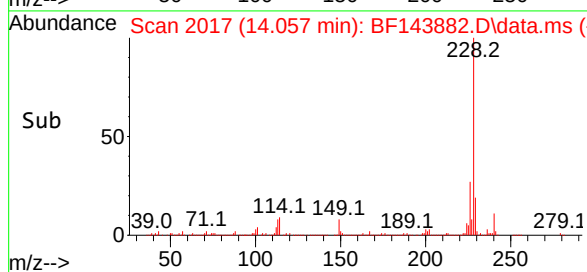
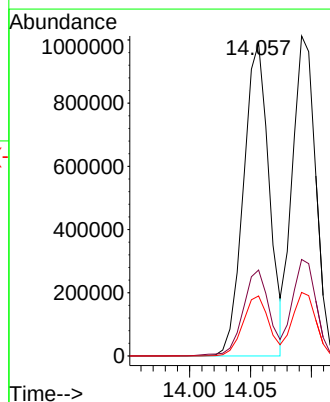
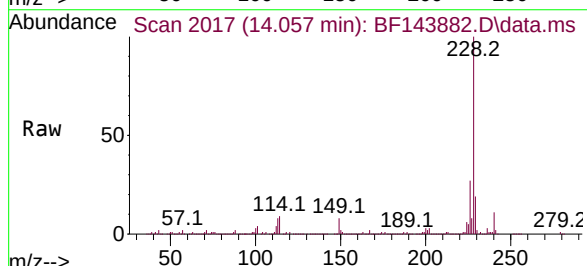
Tgt Ion:228 Resp: 1449801

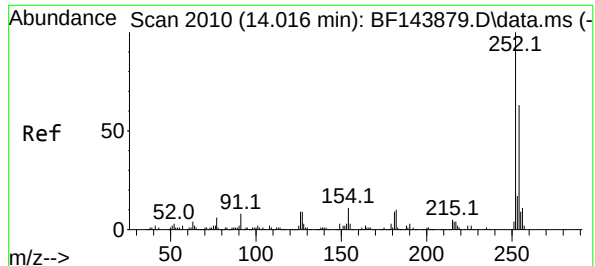
Ion Ratio Lower Upper

228 100

226 27.5 22.2 33.2

229 19.2 15.6 23.4





#82

3,3'-Dichlorobenzidine

Concen: 76.476 ng

RT: 14.015 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 461359

Ion Ratio Lower Upper

252 100

254 64.7 50.6 76.0

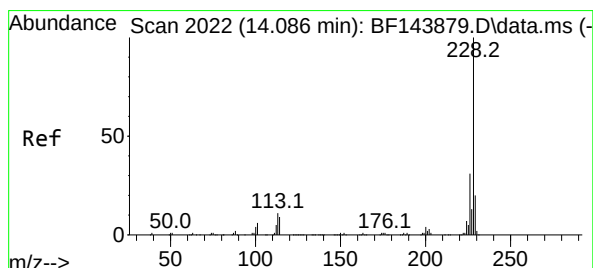
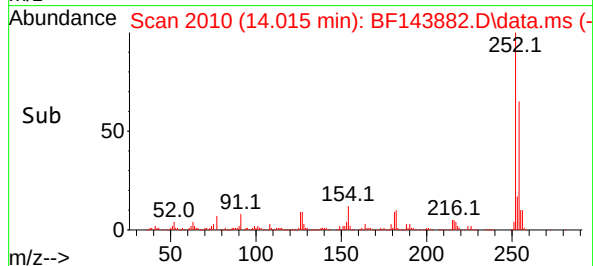
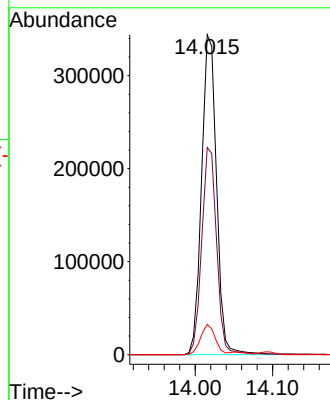
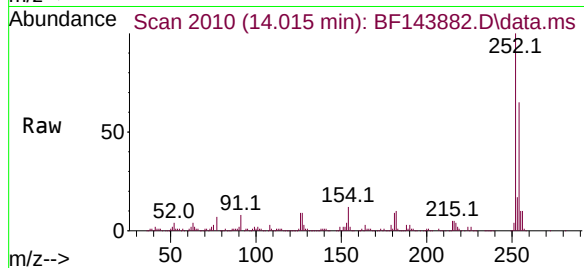
126 9.4 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#83

Chrysene

Concen: 73.645 ng

RT: 14.092 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

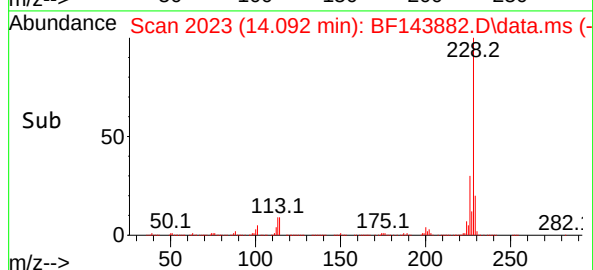
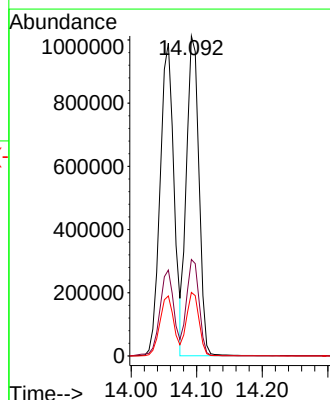
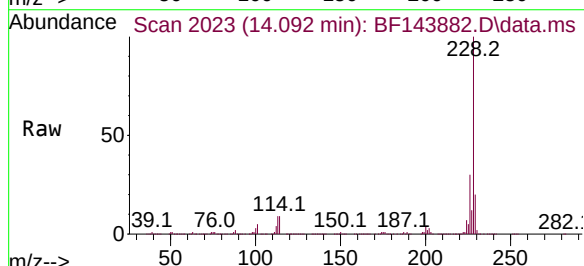
Tgt Ion:228 Resp: 1349286

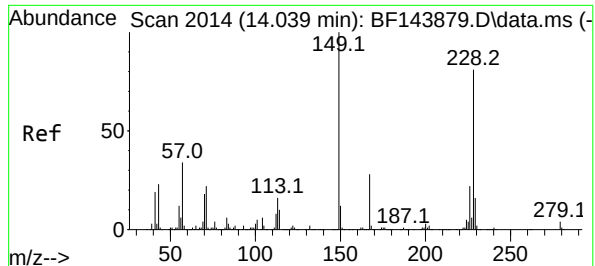
Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

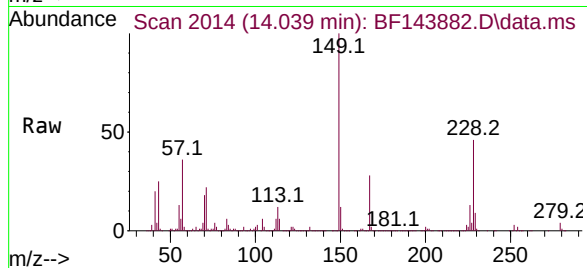
229 19.8 15.9 23.9





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

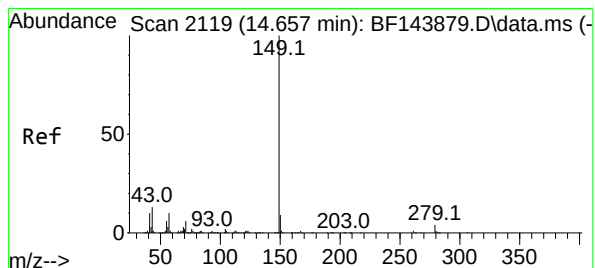
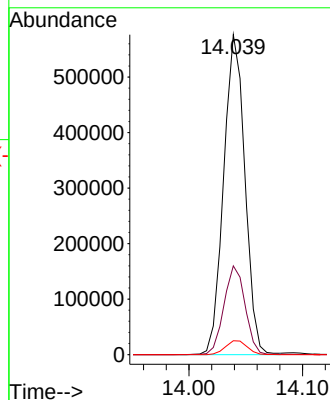
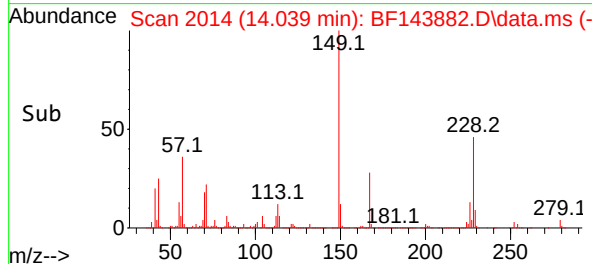
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



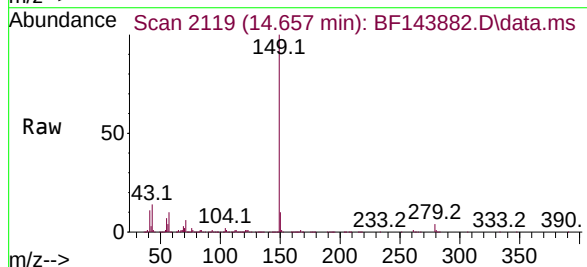
Tgt Ion:149 Resp: 74932
Ion Ratio Lower Upper
149 100
167 27.7 22.2 33.4
279 4.3 3.1 4.7

Manual Integrations
APPROVED

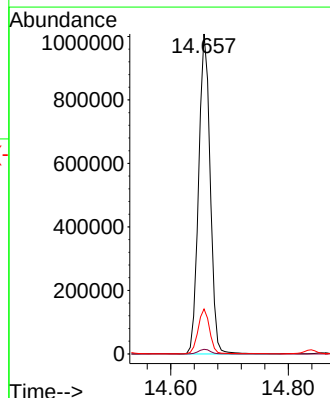
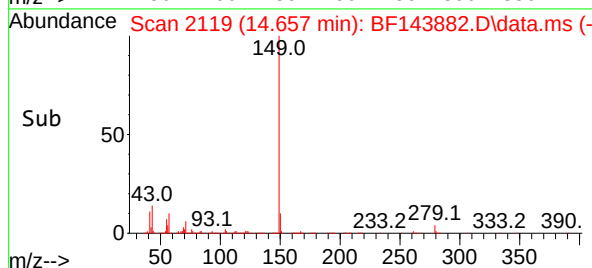
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

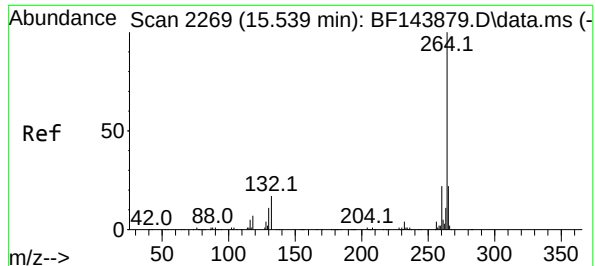


#85
Di-n-octyl phthalate
Concen: 84.532 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



Tgt Ion:149 Resp: 1370760
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 14.1 11.0 16.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:264 Resp: 35791

Ion Ratio Lower Upper

264 100

260 21.8 17.8 26.8

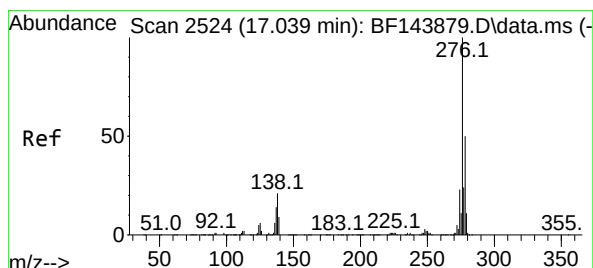
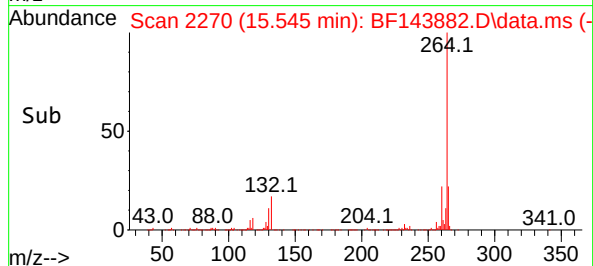
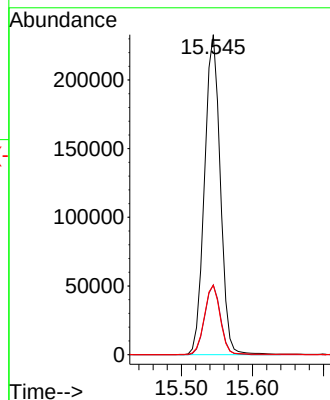
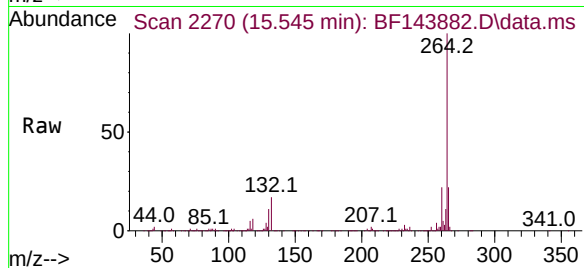
265 21.7 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 81.478 ng

RT: 17.056 min Scan# 2527

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

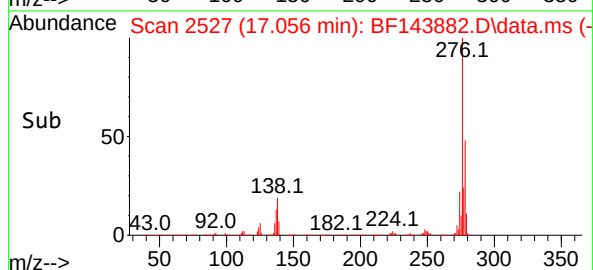
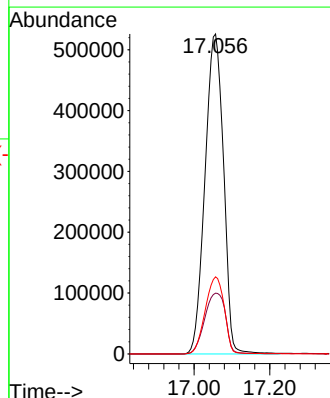
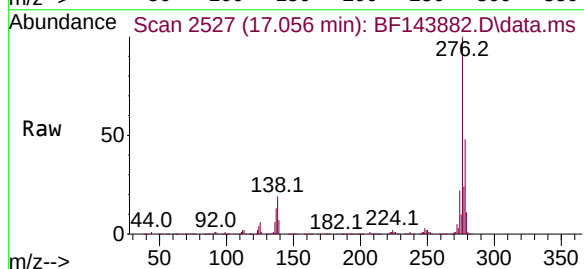
Tgt Ion:276 Resp: 1786876

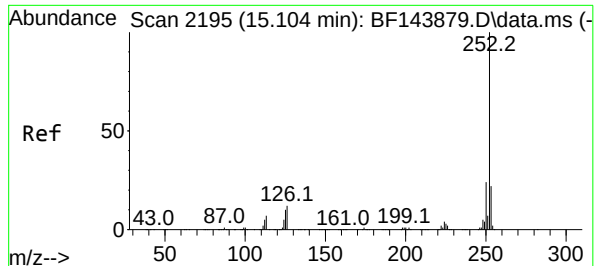
Ion Ratio Lower Upper

276 100

138 21.5 18.2 27.2

277 24.7 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 69.645 ng

RT: 15.115 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1431879

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

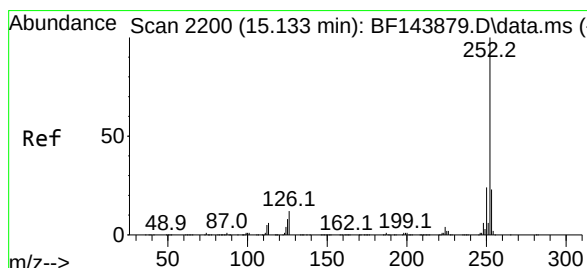
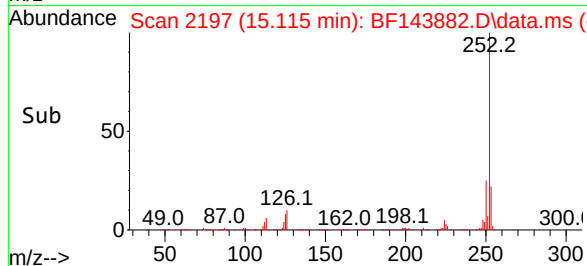
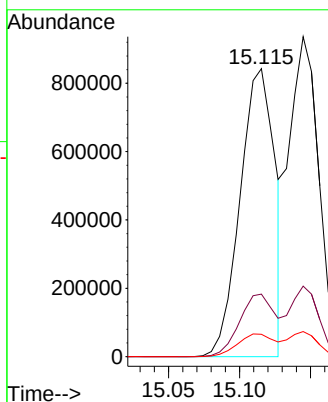
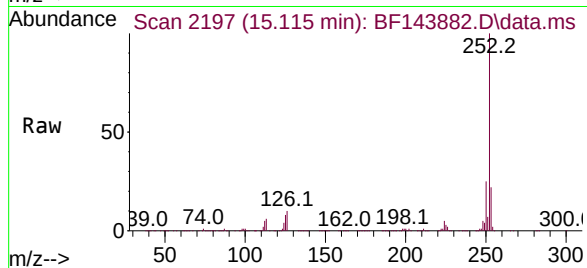
125 7.8 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#89

Benzo(k)fluoranthene

Concen: 71.595 ng

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

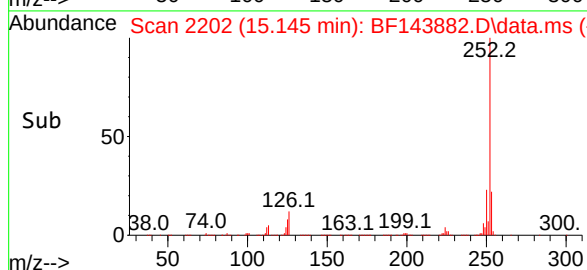
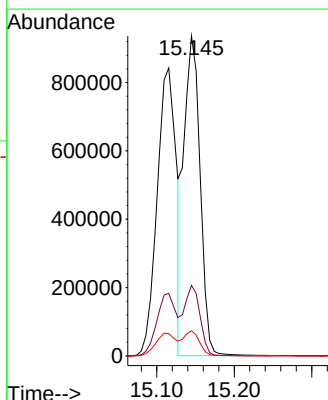
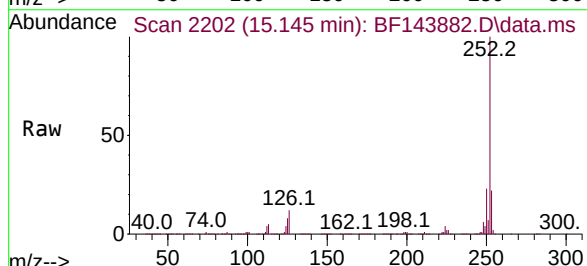
Tgt Ion:252 Resp: 1362026

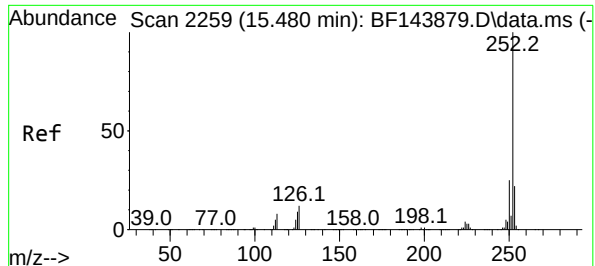
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 7.8 7.4 11.2





#90

Benzo(a)pyrene

Concen: 74.151 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1321893

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

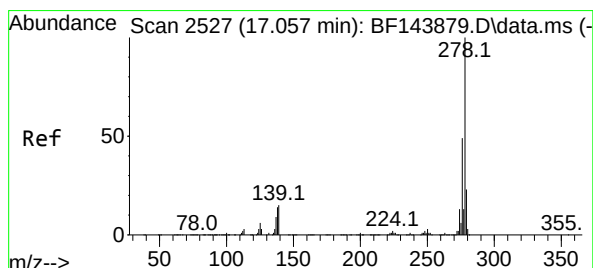
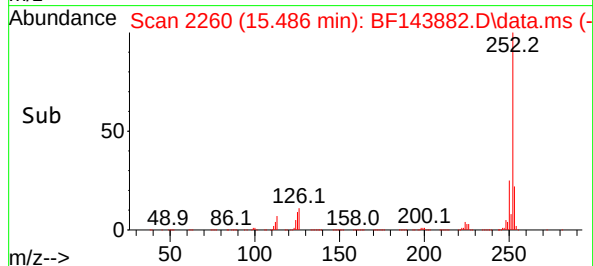
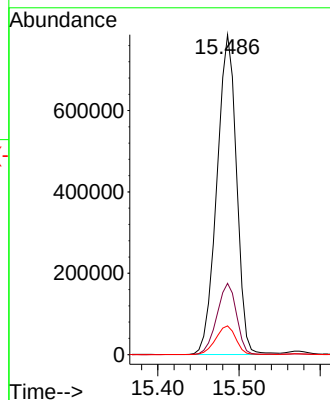
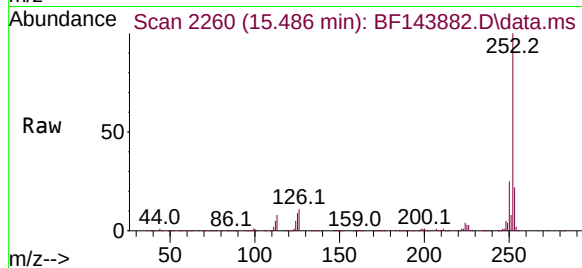
125 9.0 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#91

Dibenzo(a,h)anthracene

Concen: 78.895 ng

RT: 17.080 min Scan# 2531

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

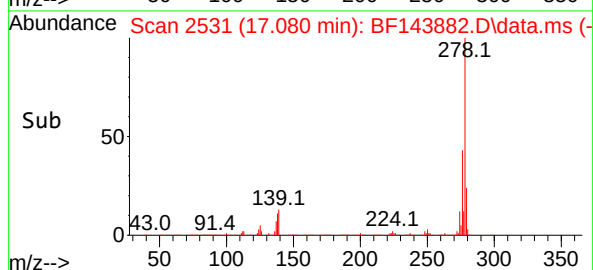
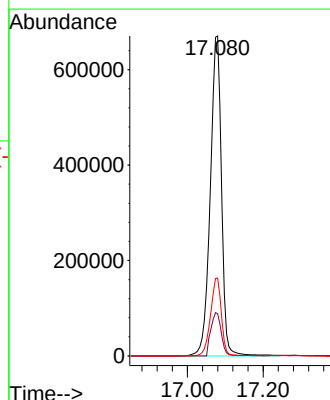
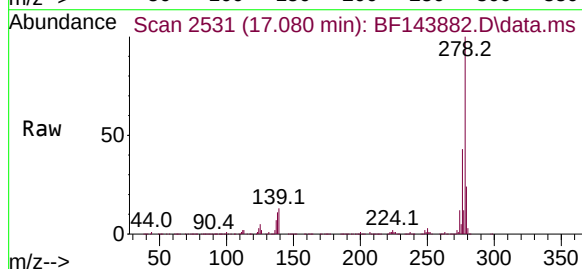
Tgt Ion:278 Resp: 1391562

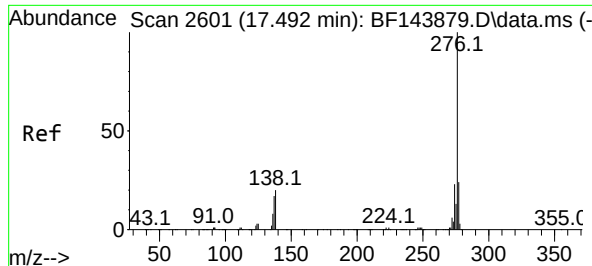
Ion Ratio Lower Upper

278 100

139 13.2 11.7 17.5

279 24.3 18.4 27.6





#92

Benzo(g,h,i)perylene

Concen: 82.305 ng

RT: 17.515 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143882.D

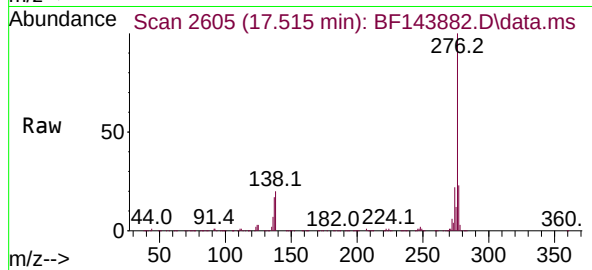
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:276 Resp: 145172

Ion Ratio Lower Upper

276 100

277 22.8 19.0 28.6

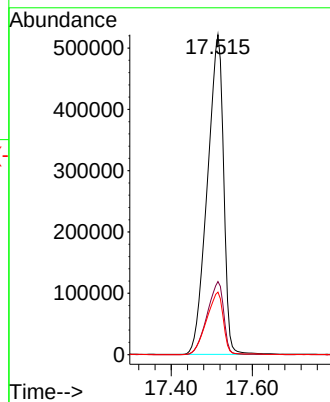
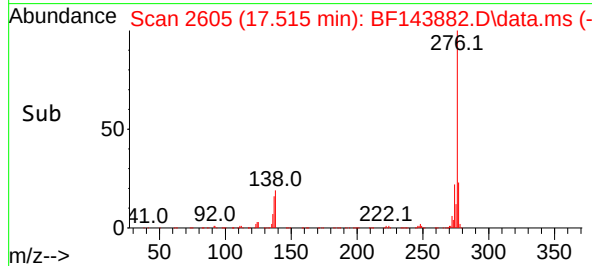
138 19.5 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
 Data File : BF143883.D
 Acq On : 06 Oct 2025 16:08
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:37:11 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 06 15:29:47 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	114039	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	448972	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	247780	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	431562	20.000	ng	0.00
76) Chrysene-d12	14.063	240	259802	20.000	ng	0.00
86) Perylene-d12	15.539	264	249446	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	537941	74.908	ng	0.00
7) Phenol-d6	6.498	99	637597	74.487	ng	-0.02
23) Nitrobenzene-d5	7.445	82	549291	74.330	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	176914	71.685	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1055942	67.621	ng	-0.01
79) Terphenyl-d14	13.004	244	1131636	74.443	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.652	88	123809	37.256	ng	99
3) Pyridine	3.410	79	341125	35.261	ng	99
4) n-Nitrosodimethylamine	3.357	42	195710	38.456	ng	97
6) Aniline	6.545	93	486607	37.937	ng	99
8) 2-Chlorophenol	6.663	128	267562	38.116	ng	98
9) Benzaldehyde	6.434	77	245247	37.141	ng	99
10) Phenol	6.516	94	383770m	37.501	ng	
11) bis(2-Chloroethyl)ether	6.616	93	289024	36.561	ng	99
12) 1,3-Dichlorobenzene	6.822	146	317865	37.828	ng	100
13) 1,4-Dichlorobenzene	6.898	146	318221	38.392	ng	100
14) 1,2-Dichlorobenzene	7.051	146	314832	39.655	ng	99
15) Benzyl Alcohol	7.022	79	249958	38.974	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	676009	37.568	ng	99
17) 2-Methylphenol	7.128	107	222497	38.352	ng	96
18) Hexachloroethane	7.398	117	104363	37.755	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	214516	36.612	ng	98
20) 3+4-Methylphenols	7.281	107	268144	39.880	ng	94
22) Acetophenone	7.292	105	358014	37.713	ng	96
24) Nitrobenzene	7.463	77	309611	37.727	ng	100
25) Isophorone	7.704	82	550779	35.347	ng	99
26) 2-Nitrophenol	7.781	139	136223	38.717	ng	99
27) 2,4-Dimethylphenol	7.810	122	258524	40.847	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	360632	36.639	ng	98
29) 2,4-Dichlorophenol	8.016	162	243265	36.899	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	243161	37.503	ng	98
31) Naphthalene	8.186	128	749110	36.679	ng	99
32) Benzoic acid	7.904	122	154019	35.162	ng	98
33) 4-Chloroaniline	8.233	127	321328	41.950	ng	98
34) Hexachlorobutadiene	8.304	225	158600	35.201	ng	95
35) Caprolactam	8.598	113	79102	37.736	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	228481	36.079	ng	99
37) 2-Methylnaphthalene	8.881	142	452442	33.257	ng	99
38) 1-Methylnaphthalene	8.980	142	465414	35.269	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	254223	37.122	ng	98
41) Hexachlorocyclopentadiene	9.033	237	139168	48.984	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	183769	36.726	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
 Data File : BF143883.D
 Acq On : 06 Oct 2025 16:08
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF100625

Manual Integrations
 APPROVED

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

Quant Time: Oct 06 16:37:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	186099	35.194	ng	96
46) 1,1'-Biphenyl	9.345	154	603213	36.770	ng	98
47) 2-Chloronaphthalene	9.369	162	498615	36.454	ng	97
48) 2-Nitroaniline	9.463	65	168191	38.894	ng	99
49) Acenaphthylene	9.786	152	785697	40.859	ng	99
50) Dimethylphthalate	9.645	163	565953	35.968	ng	99
51) 2,6-Dinitrotoluene	9.704	165	122449	41.967	ng	99
52) Acenaphthene	9.957	154	452513	35.913	ng	99
53) 3-Nitroaniline	9.875	138	144668	40.493	ng	95
54) 2,4-Dinitrophenol	9.975	184	52796	33.731	ng	# 42
55) Dibenzofuran	10.127	168	653073	36.717	ng	99
56) 4-Nitrophenol	10.022	139	99684	36.850	ng	96
57) 2,4-Dinitrotoluene	10.104	165	163440	41.169	ng	99
58) Fluorene	10.475	166	476811	35.527	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.204	232	144064	38.488	ng	93
60) Diethylphthalate	10.345	149	533574	36.501	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	256247	36.113	ng	96
62) 4-Nitroaniline	10.486	138	127369	37.074	ng	99
63) Azobenzene	10.627	77	562787	36.837	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	80422	37.083	ng	96
66) n-Nitrosodiphenylamine	10.580	169	496618	36.649	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	162033	33.973	ng	95
68) Hexachlorobenzene	11.022	284	190028	34.415	ng	99
69) Atrazine	11.110	200	160244	39.016	ng	98
70) Pentachlorophenol	11.216	266	104958	33.097	ng	99
71) Phenanthrene	11.439	178	743609	35.542	ng	99
72) Anthracene	11.492	178	766674	36.273	ng	99
73) Carbazole	11.645	167	678522	36.246	ng	99
74) Di-n-butylphthalate	11.974	149	806451	37.171	ng	99
75) Fluoranthene	12.627	202	778418	36.019	ng	99
77) Benzidine	12.751	184	409653	45.411	ng	98
78) Pyrene	12.863	202	789075	36.431	ng	99
80) Butylbenzylphthalate	13.480	149	274237	38.986	ng	98
81) Benzo(a)anthracene	14.051	228	614473	36.142	ng	100
82) 3,3'-Dichlorobenzidine	14.015	252	221480	42.747	ng	99
83) Chrysene	14.086	228	594668	37.792	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	326966	38.560	ng	99
85) Di-n-octyl phthalate	14.657	149	502989	36.116	ng	99
87) Indeno(1,2,3-cd)pyrene	17.033	276	563492	36.867	ng	98
88) Benzo(b)fluoranthene	15.104	252	537814	37.533	ng	99
89) Benzo(k)fluoranthene	15.133	252	467396	35.252	ng	100
90) Benzo(a)pyrene	15.474	252	470896	37.900	ng	98
91) Dibenzo(a,h)anthracene	17.051	278	454776	36.995	ng	97
92) Benzo(g,h,i)perylene	17.486	276	456833	37.162	ng	98

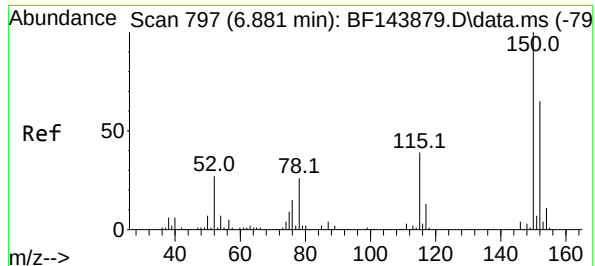
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

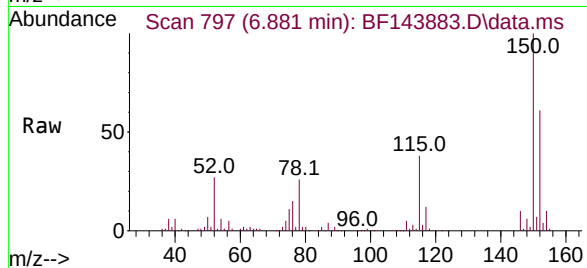
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025





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

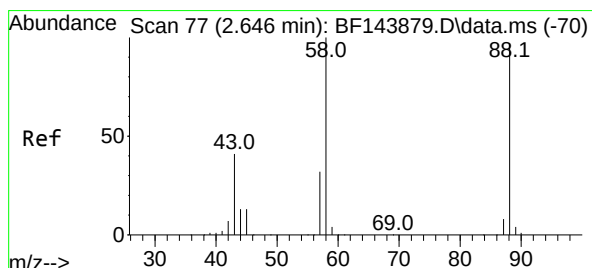
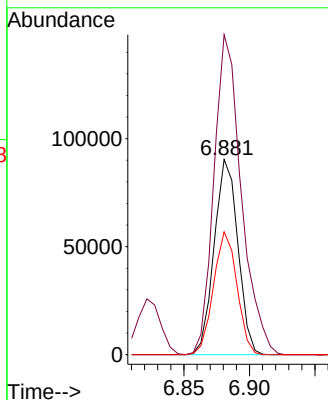
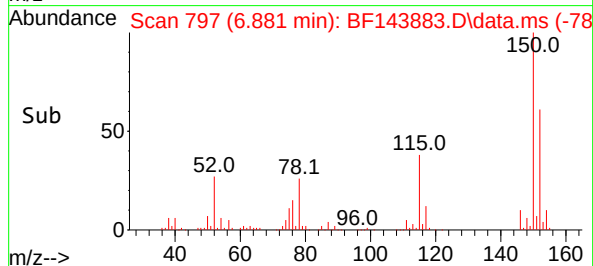
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



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

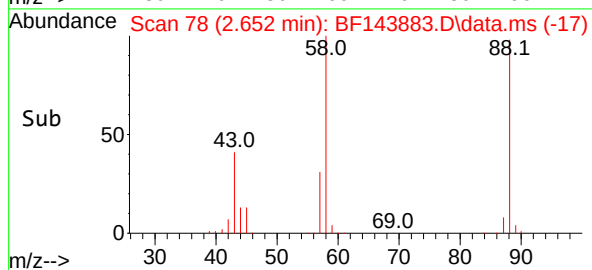
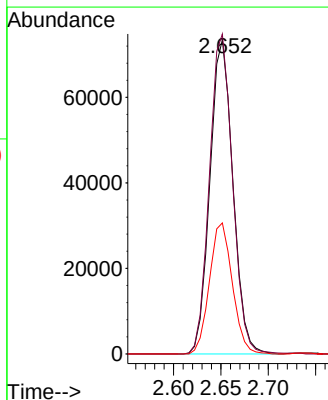
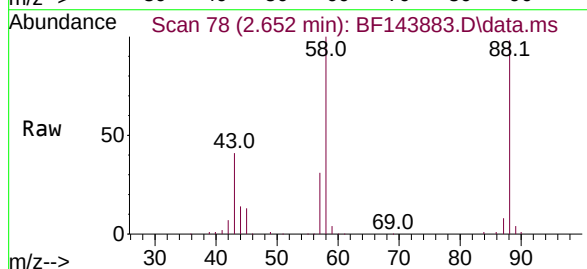
Manual Integrations
APPROVED

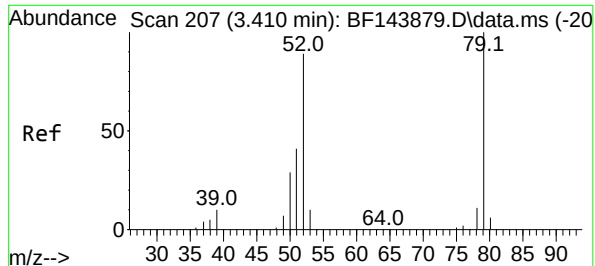
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion: 88 Resp: 123809
Ion Ratio Lower Upper
88 100
58 102.6 83.0 124.6
43 41.5 33.9 50.9





#3

Pyridine

Concen: 35.261 ng

RT: 3.410 min Scan# 207

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

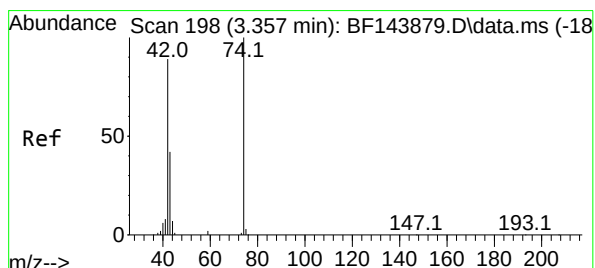
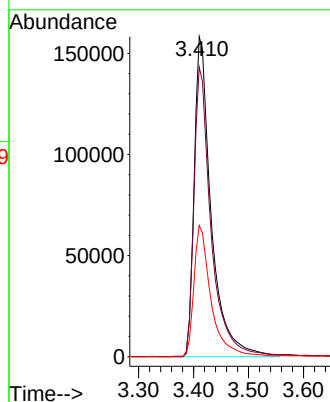
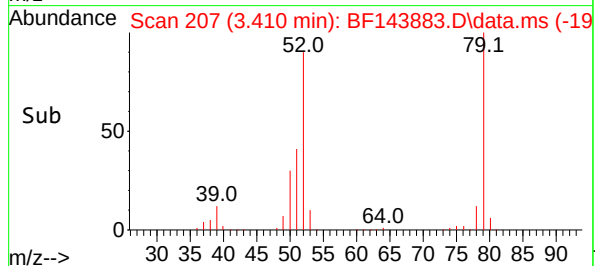
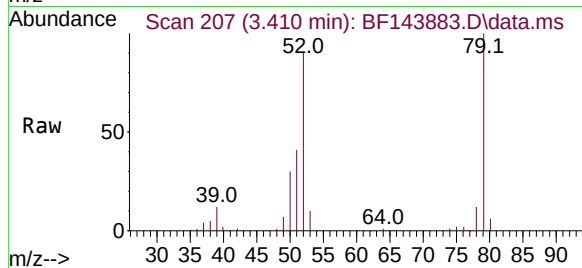
ClientSampleId :

ICVBF100625

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

Manual Integrations
APPROVED

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



#4

n-Nitrosodimethylamine

Concen: 38.456 ng

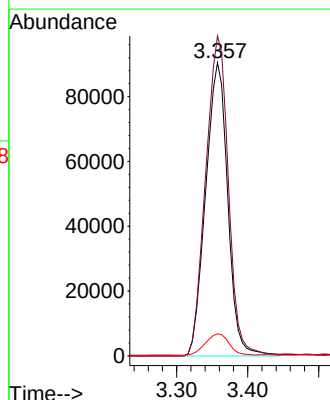
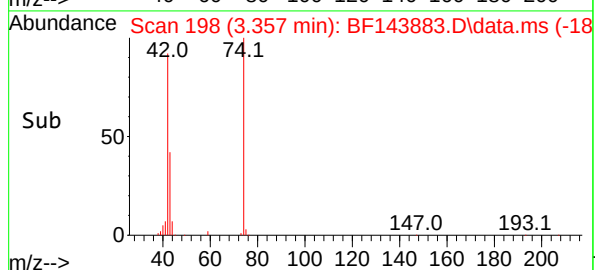
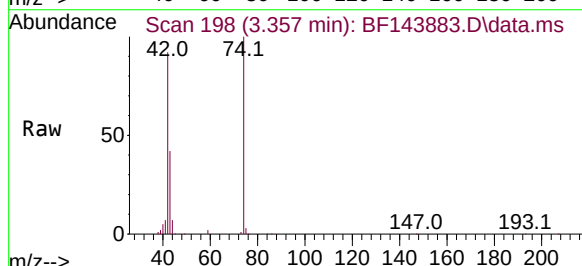
RT: 3.357 min Scan# 198

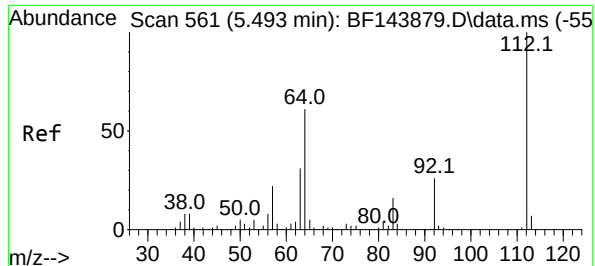
Delta R.T. -0.029 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Tgt Ion:	42	Resp:	195710
Ion	Ratio	Lower	Upper
42	100		
74	109.1	90.0	135.0
44	7.5	6.2	9.2





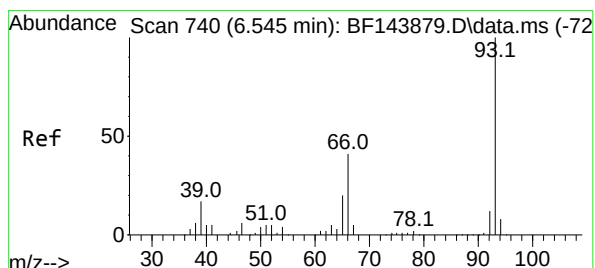
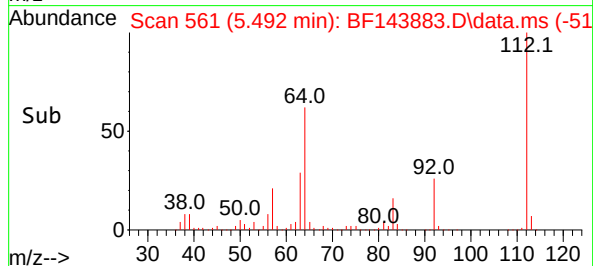
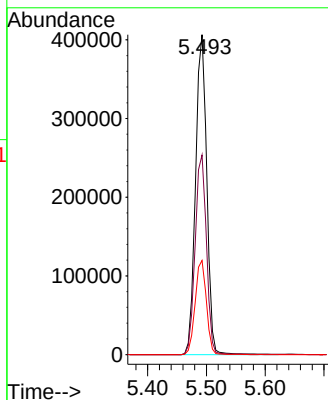
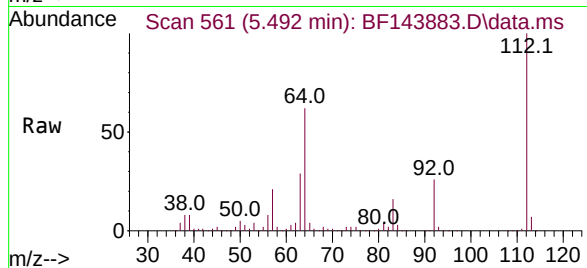
#5
2-Fluorophenol
Concen: 74.908 ng
RT: 5.492 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Tgt Ion:112 Resp: 53794
Ion Ratio Lower Upper
112 100
64 62.4 49.1 73.7
63 29.4 24.5 36.7

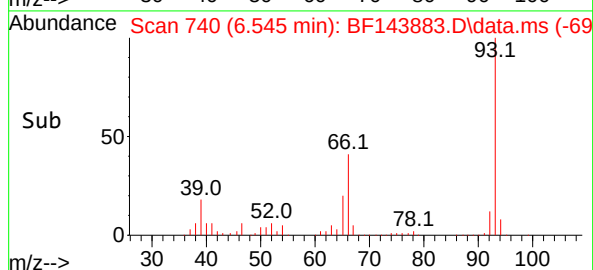
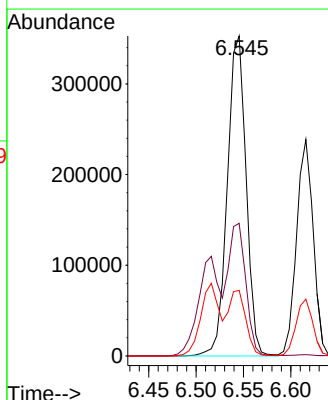
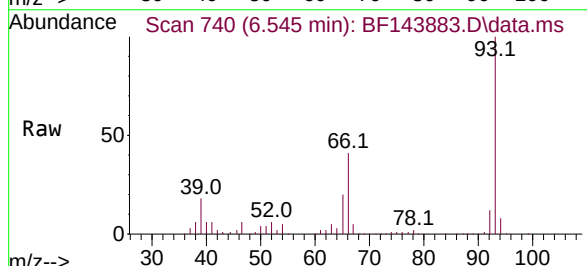
Manual Integrations
APPROVED

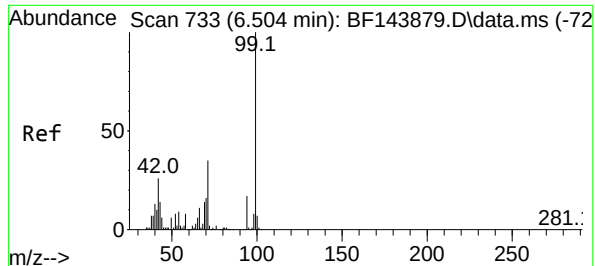
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#6
Aniline
Concen: 37.937 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

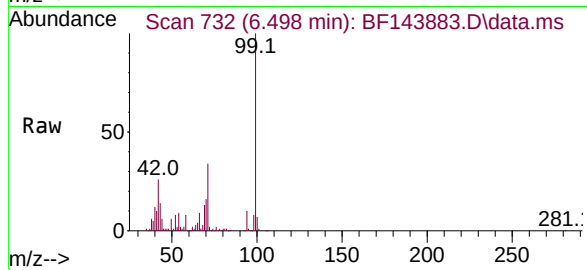
Tgt Ion: 93 Resp: 486607
Ion Ratio Lower Upper
93 100
66 41.4 33.0 49.6
65 20.5 15.8 23.8





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

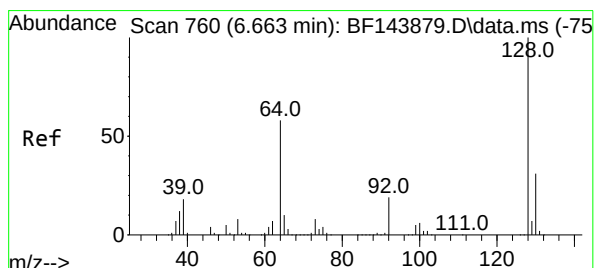
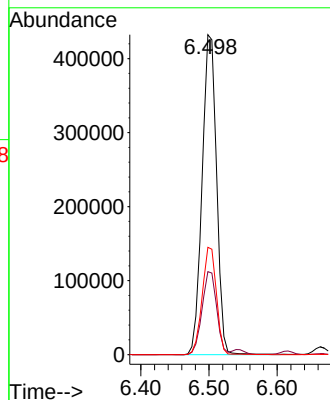
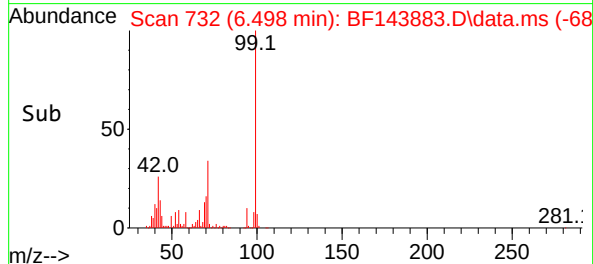
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



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

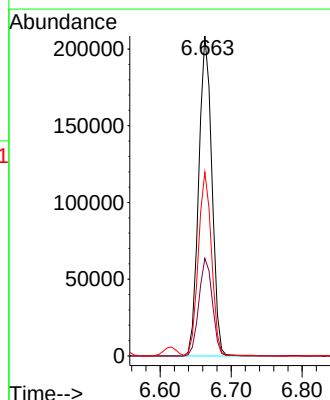
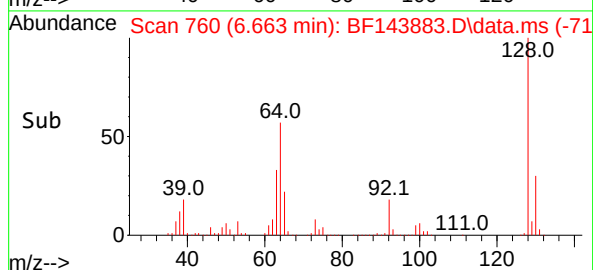
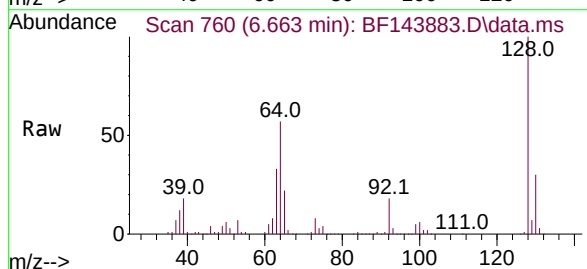
Manual Integrations
APPROVED

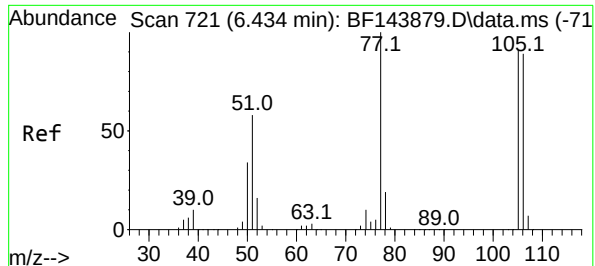
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#8
2-Chlorophenol
Concen: 38.116 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:128 Resp: 267562
Ion Ratio Lower Upper
128 100
130 30.5 10.7 50.7
64 57.4 39.0 79.0





#9

Benzaldehyde

Concen: 37.141 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion: 77 Resp: 24524

Ion Ratio Lower Upper

77 100

105 92.0 70.9 110.9

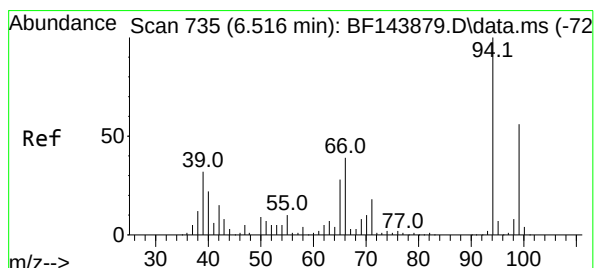
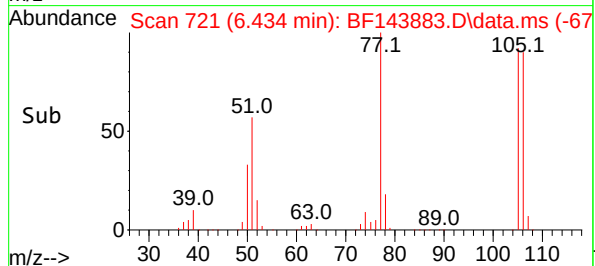
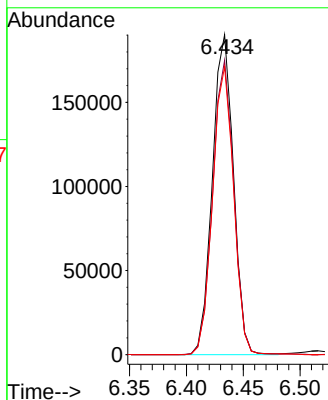
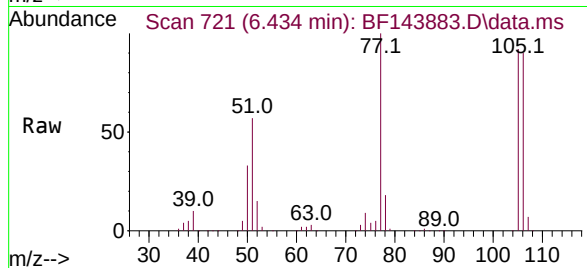
106 90.0 68.9 108.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#10

Phenol

Concen: 37.501 ng m

RT: 6.516 min Scan# 735

Delta R.T. -0.018 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

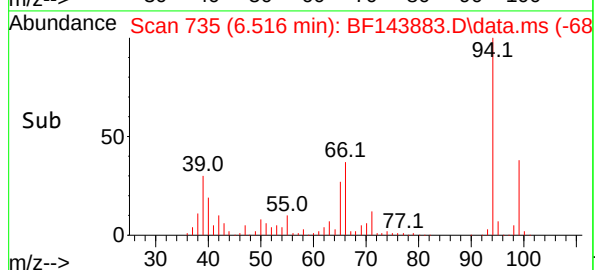
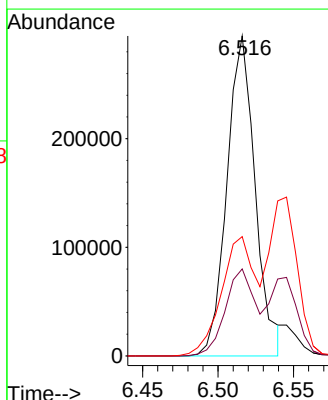
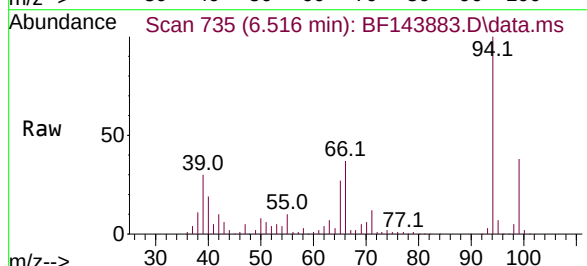
Tgt Ion: 94 Resp: 383770

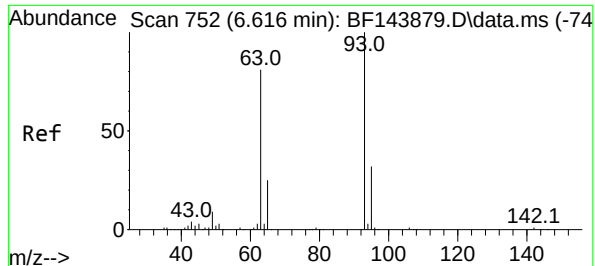
Ion Ratio Lower Upper

94 100

65 27.2 8.5 48.5

66 37.3 19.9 59.9





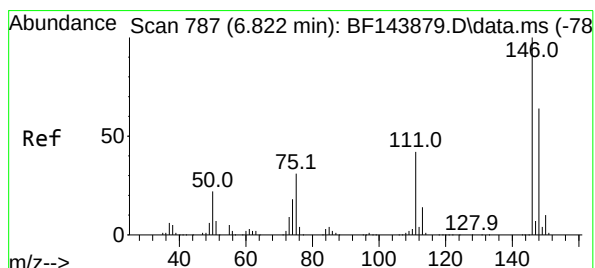
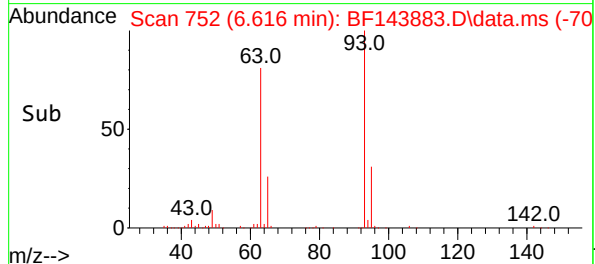
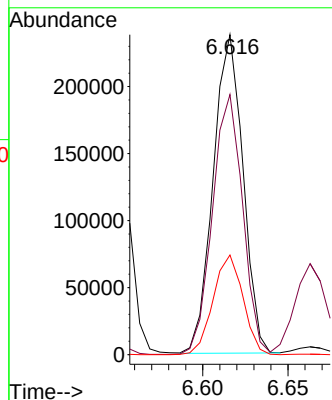
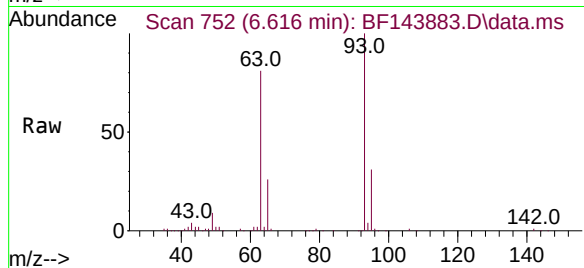
#11
bis(2-Chloroethyl)ether
Concen: 36.561 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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

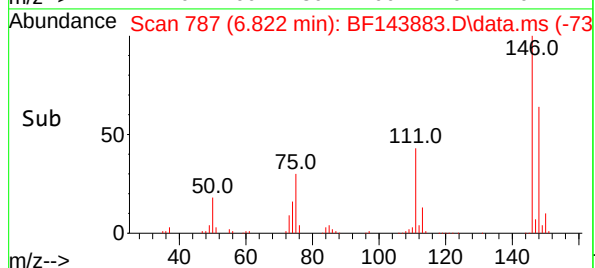
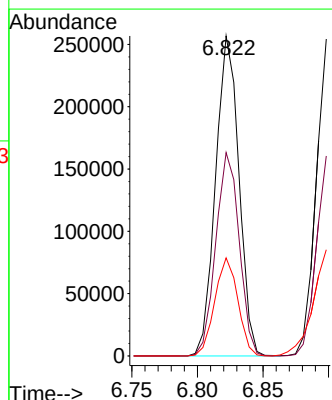
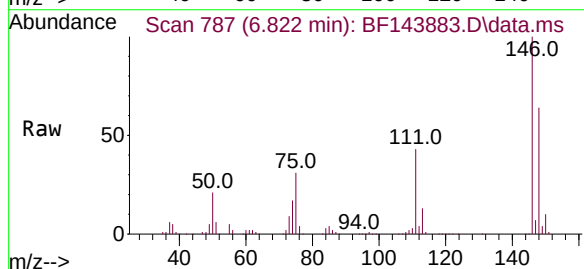
Manual Integrations
APPROVED

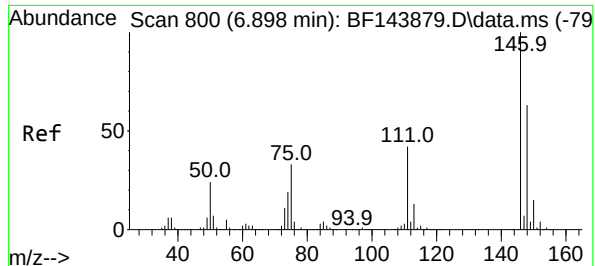
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#12
1,3-Dichlorobenzene
Concen: 37.828 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:146 Resp: 317865
Ion Ratio Lower Upper
146 100
148 63.5 51.0 76.4
75 30.6 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 38.392 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:146 Resp: 31822

Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

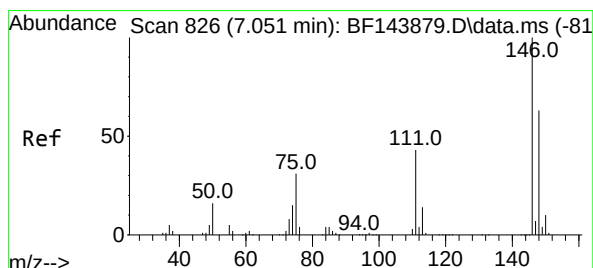
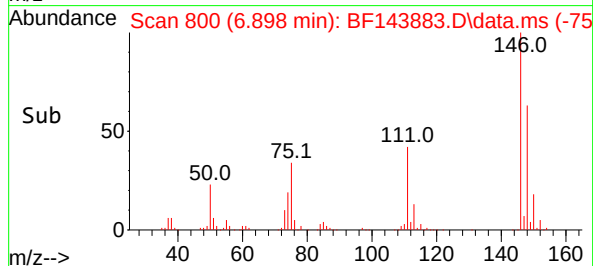
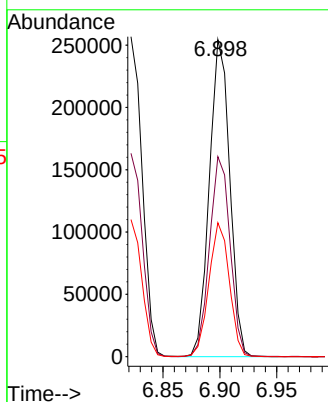
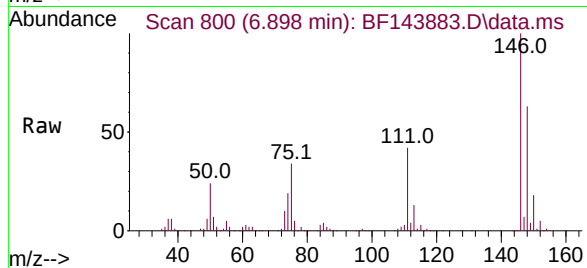
111 42.2 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#14

1,2-Dichlorobenzene

Concen: 39.655 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

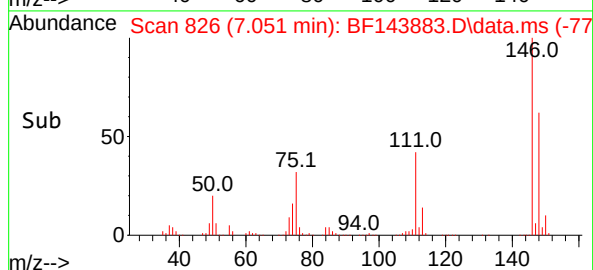
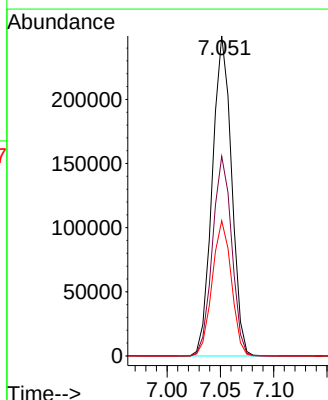
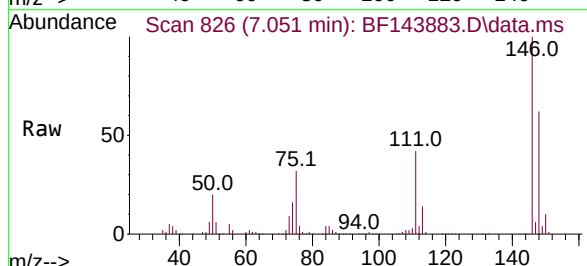
Tgt Ion:146 Resp: 314832

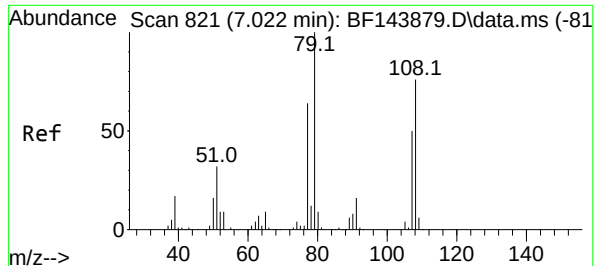
Ion Ratio Lower Upper

146 100

148 62.4 50.6 75.8

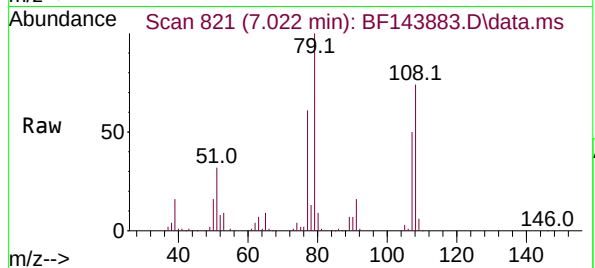
111 42.2 34.6 51.8





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

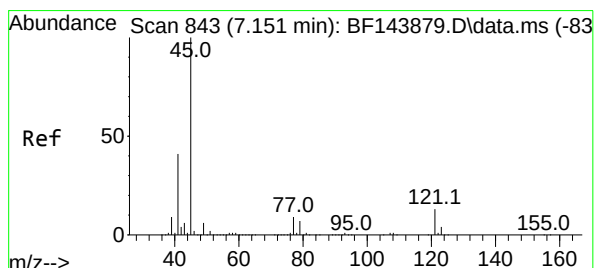
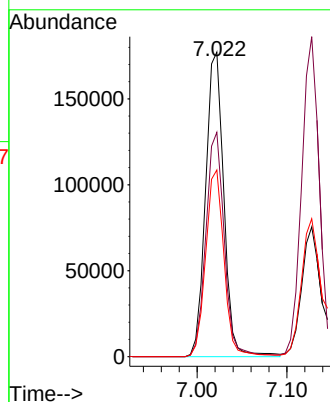
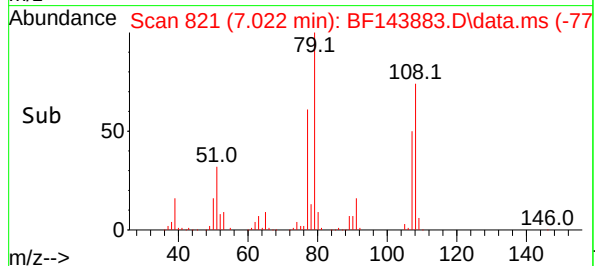
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



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

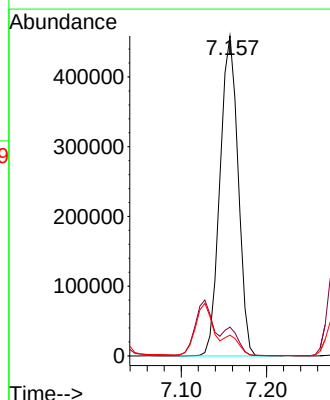
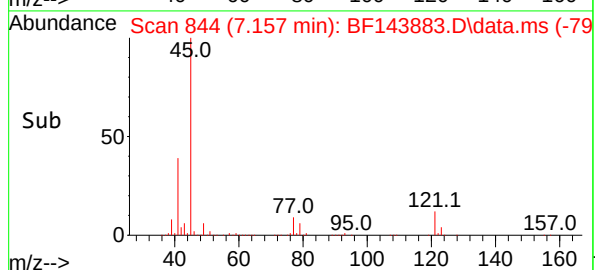
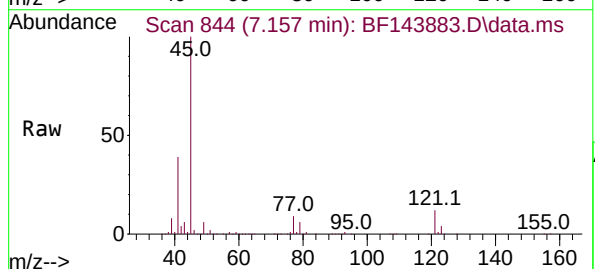
Manual Integrations
APPROVED

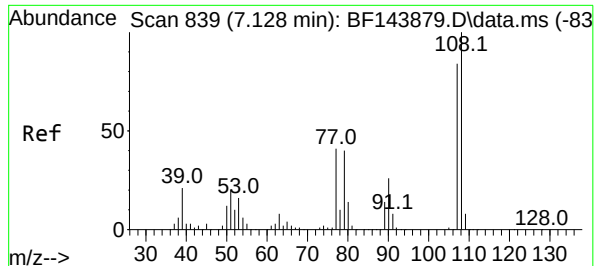
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#16
2,2'-oxybis(1-chloropropane)
Concen: 37.568 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 45 Resp: 676009
Ion Ratio Lower Upper
45 100
77 9.0 0.0 29.0
79 6.5 0.0 26.8





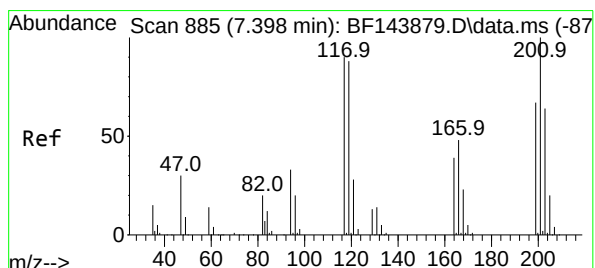
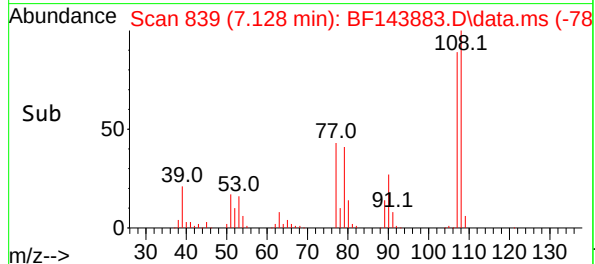
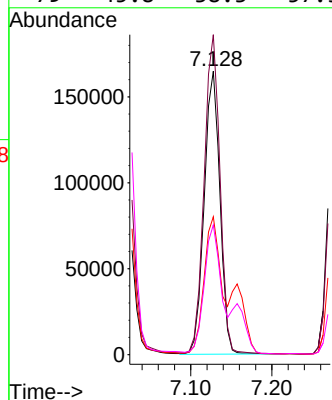
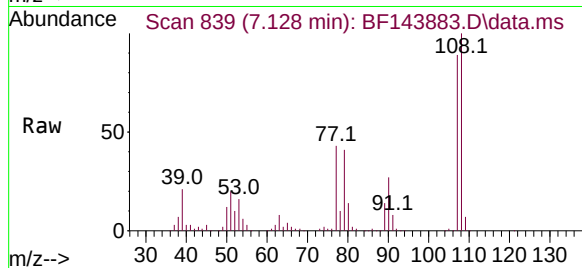
#17
2-Methylphenol
Concen: 38.352 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
Client Sample Id :
ICVBF100625

Tgt Ion:	107	Resp:	222497
Ion	Ratio	Lower	Upper
107	100		
108	112.9	94.7	142.1
77	48.7	38.8	58.2
79	45.8	38.3	57.5

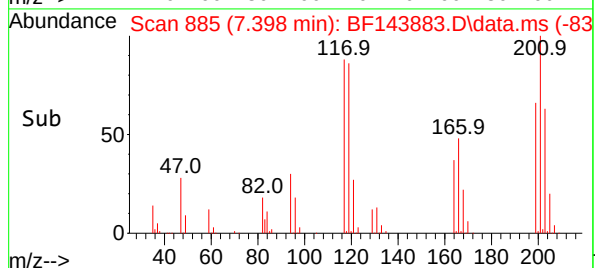
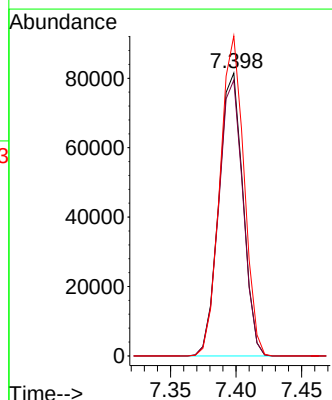
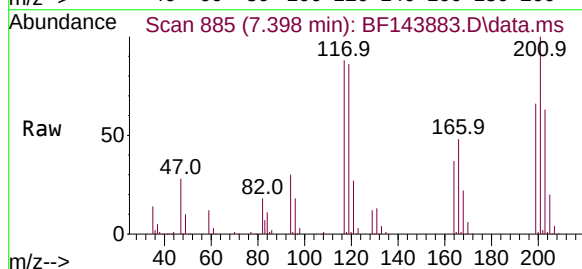
Manual Integrations
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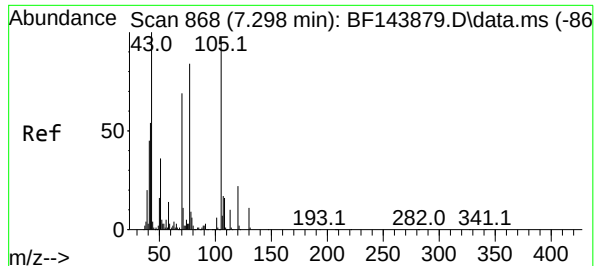
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#18
Hexachloroethane
Concen: 37.755 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:	117	Resp:	104363
Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.8
201	113.1	88.5	132.7





#19

n-Nitroso-di-n-propylamine

Concen: 36.612 ng

RT: 7.292 min Scan# 868

Delta R.T. -0.023 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion: 70 Resp: 214516

Ion Ratio Lower Upper

70 100

42 80.2 62.8 94.2

101 8.3 6.7 10.1

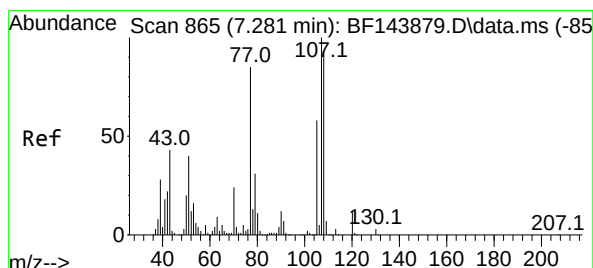
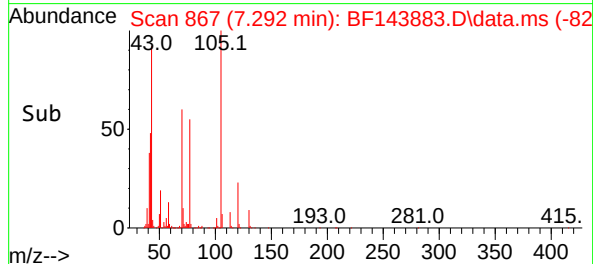
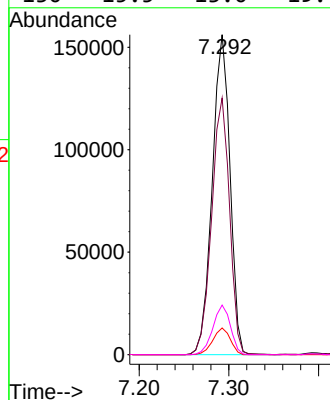
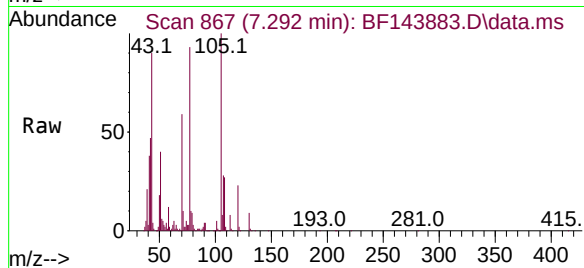
130 15.5 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#20

3+4-Methylphenols

Concen: 39.880 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.018 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Tgt Ion:107 Resp: 268144

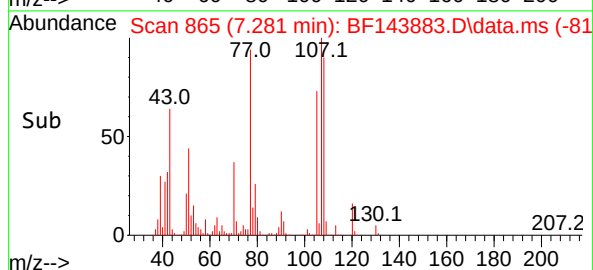
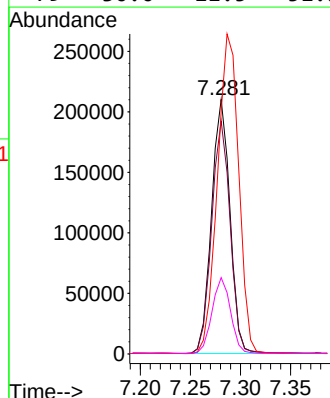
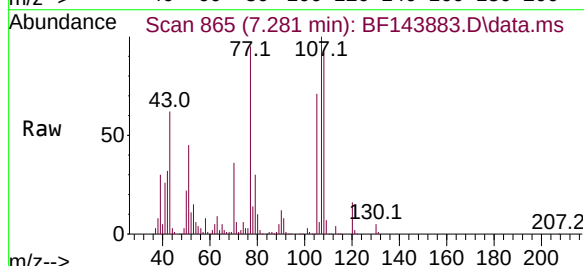
Ion Ratio Lower Upper

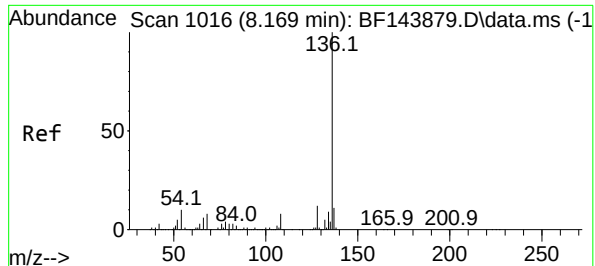
107 100

108 91.5 73.0 113.0

77 95.3 64.6 104.6

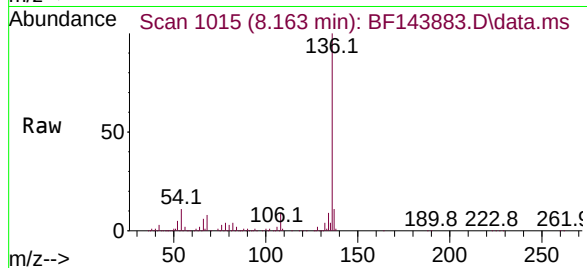
79 30.0 11.5 51.5





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

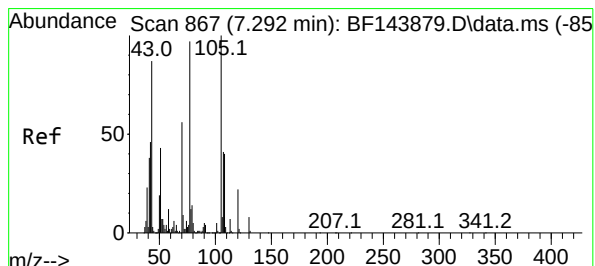
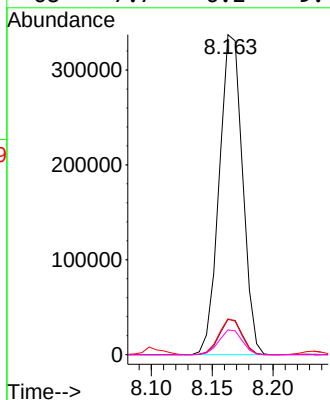
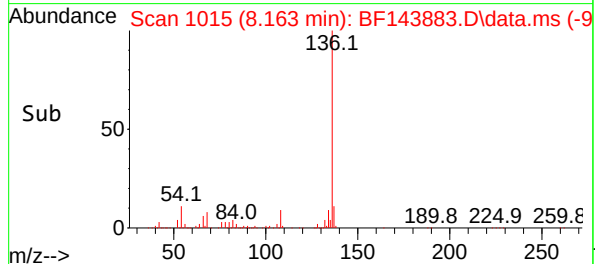
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:136 Resp: 448972
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.2 8.2 12.4
68 7.7 6.2 9.4

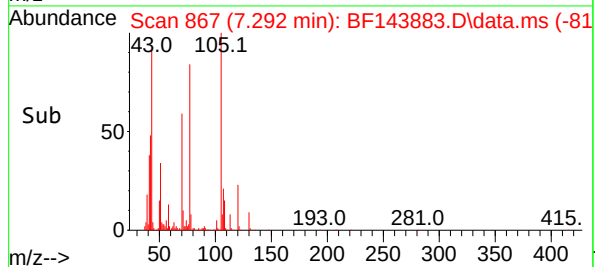
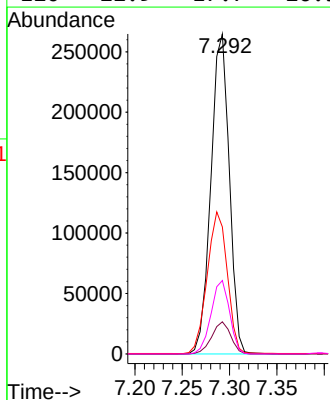
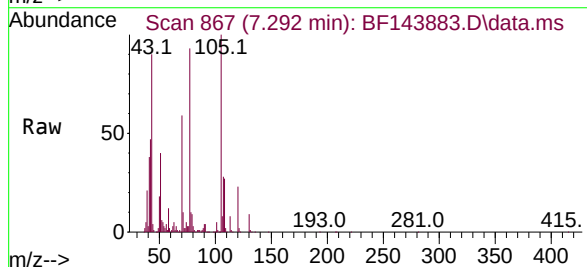
Manual Integrations
APPROVED

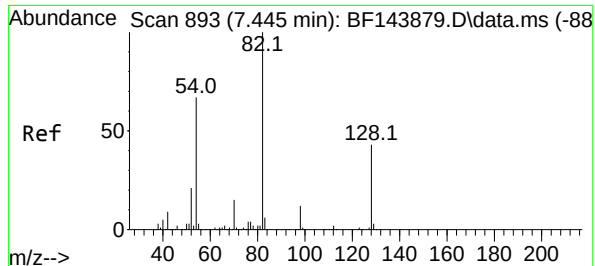
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#22
Acetophenone
Concen: 37.713 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:105 Resp: 358014
Ion Ratio Lower Upper
105 100
71 10.0 7.4 11.0
51 39.7 34.2 51.4
120 22.9 17.7 26.5





#23

Nitrobenzene-d5

Concen: 74.330 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

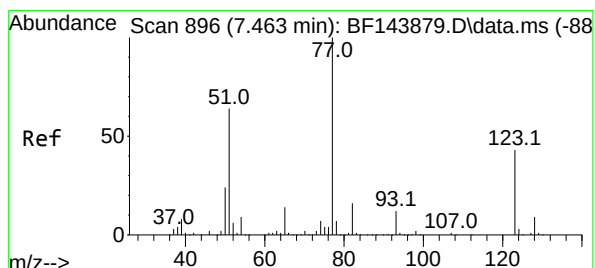
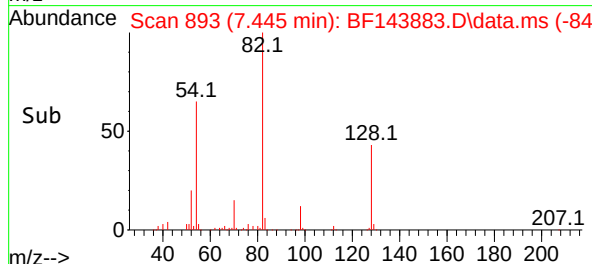
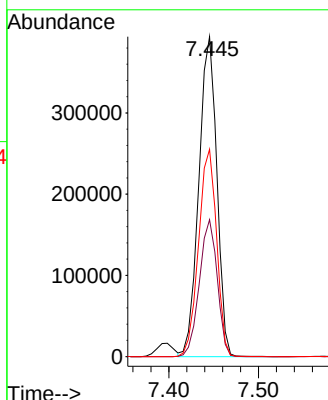
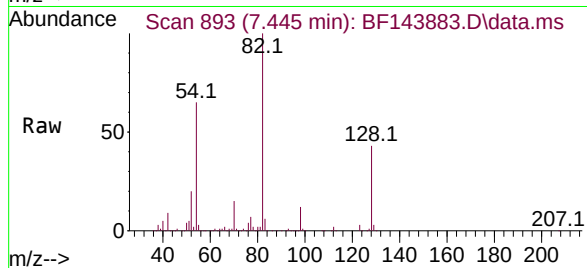
ICVBF100625

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

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

Supervised By :Jagrut Upadhyay 10/07/2025



#24

Nitrobenzene

Concen: 37.727 ng

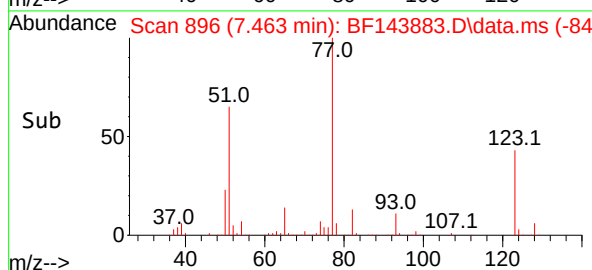
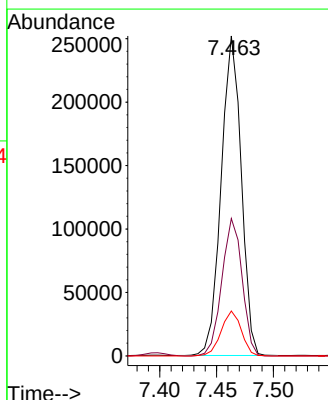
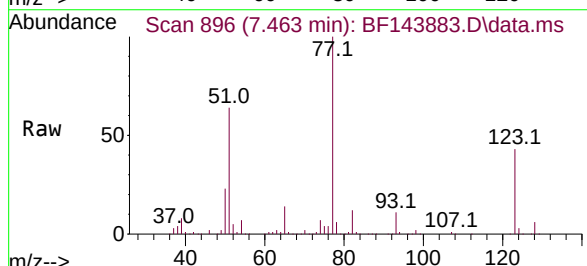
RT: 7.463 min Scan# 896

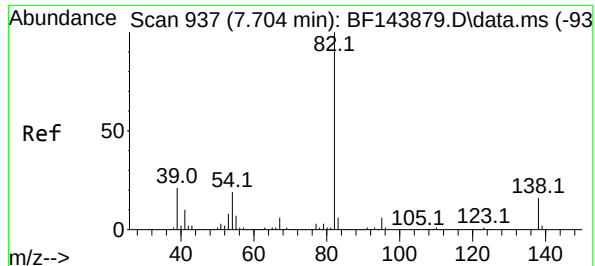
Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

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





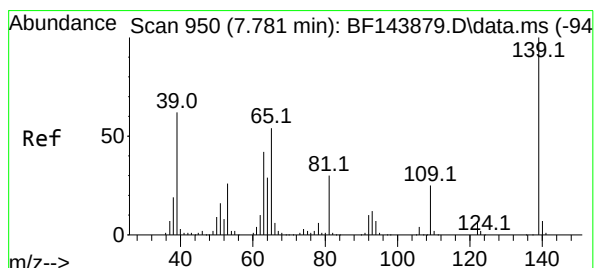
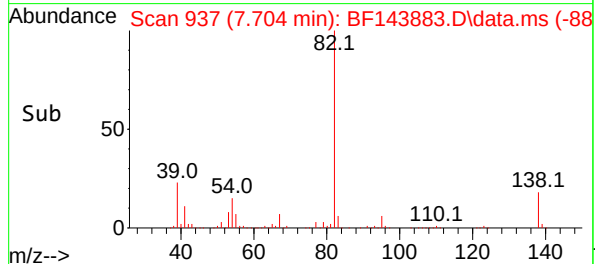
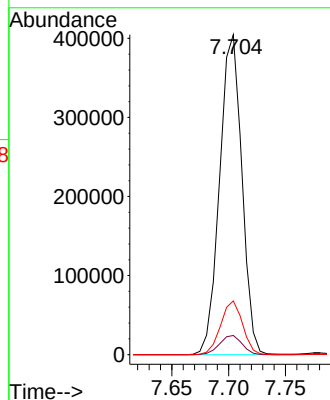
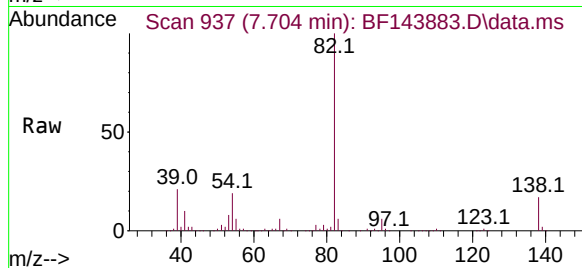
#25
Isophorone
Concen: 35.347 ng
RT: 7.704 min Scan# 937
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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

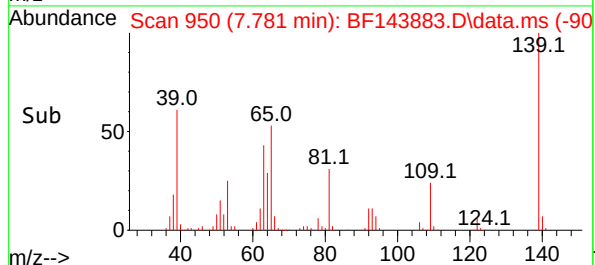
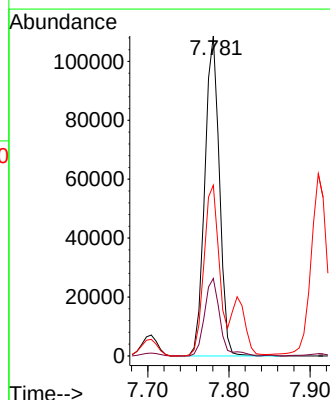
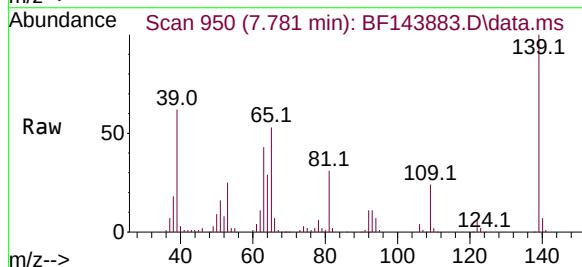
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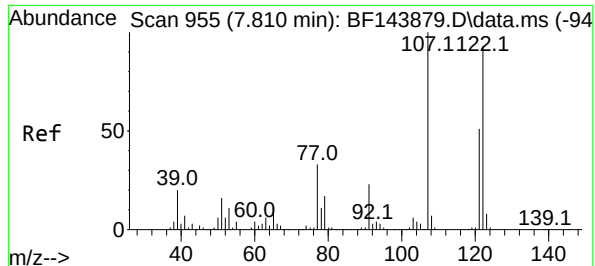
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#26
2-Nitrophenol
Concen: 38.717 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:139 Resp: 136223
Ion Ratio Lower Upper
139 100
109 24.2 19.8 29.6
65 53.3 42.9 64.3





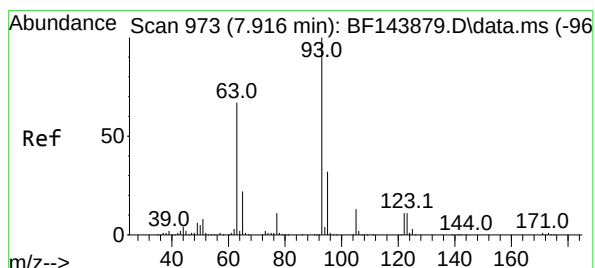
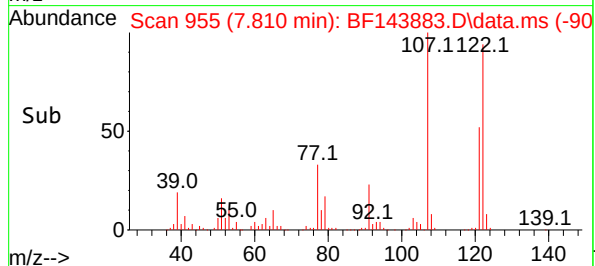
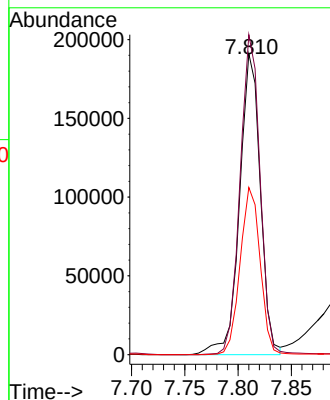
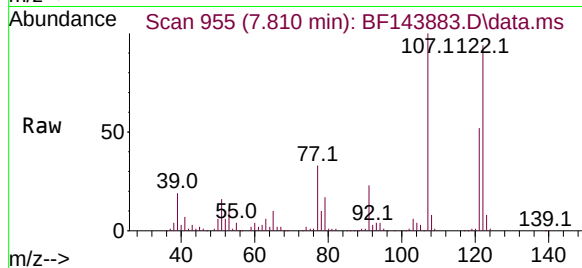
#27
2,4-Dimethylphenol
Concen: 40.847 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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

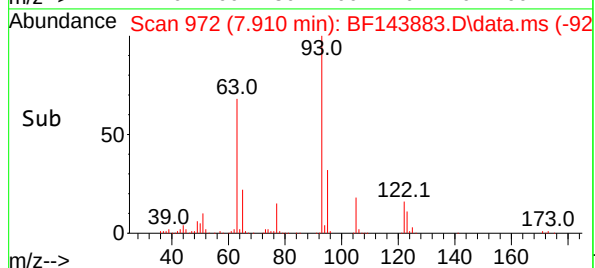
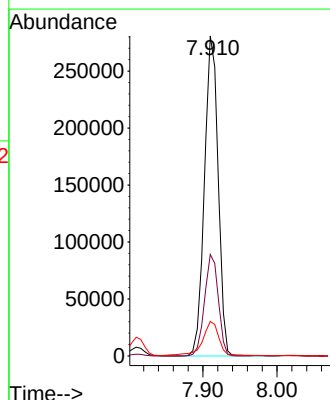
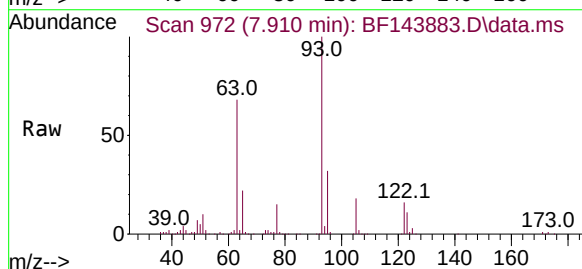
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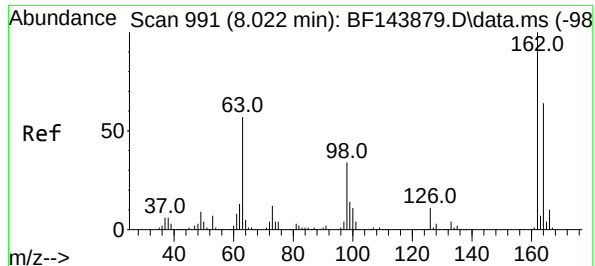
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#28
bis(2-Chloroethoxy)methane
Concen: 36.639 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 93 Resp: 360632
Ion Ratio Lower Upper
93 100
95 31.7 25.9 38.9
123 10.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 36.899 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:162 Resp: 243265

Ion Ratio Lower Upper

162 100

164 61.1 43.9 83.9

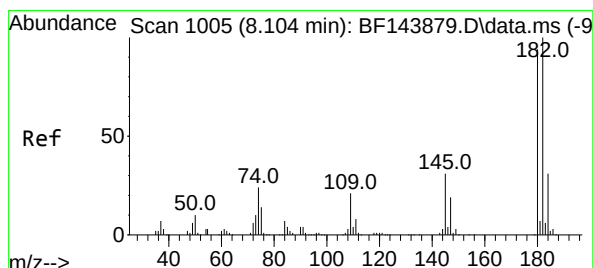
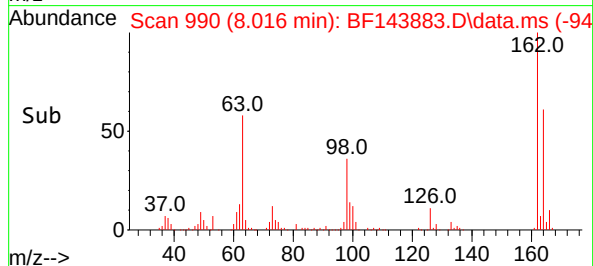
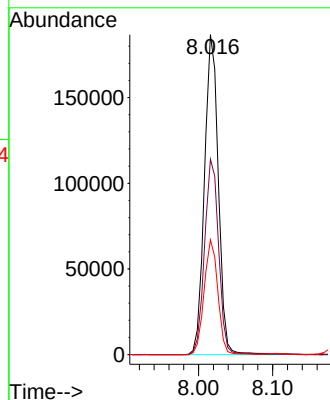
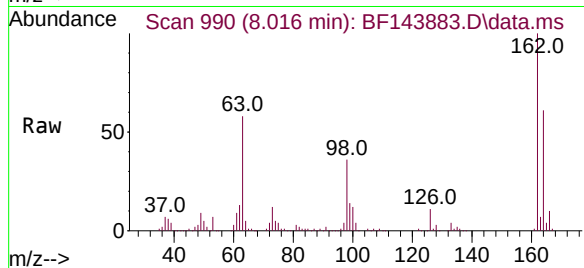
98 35.9 14.4 54.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#30

1,2,4-Trichlorobenzene

Concen: 37.503 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

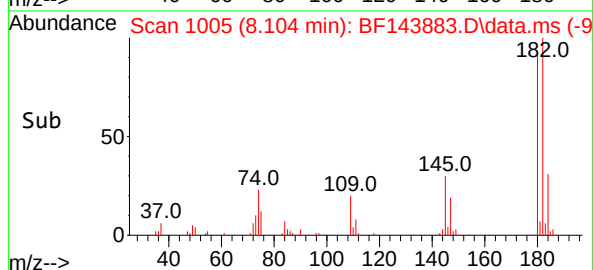
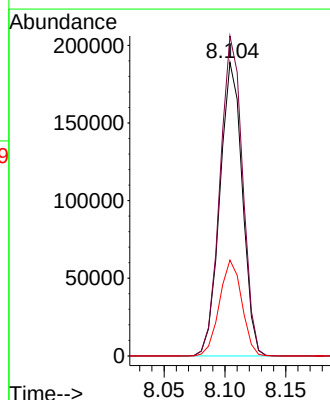
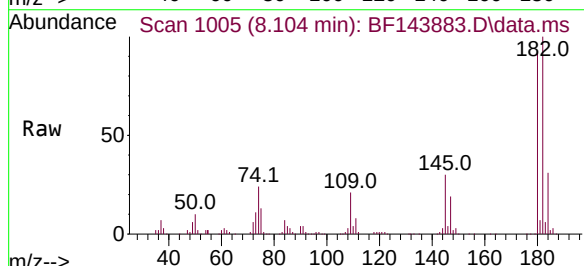
Tgt Ion:180 Resp: 243161

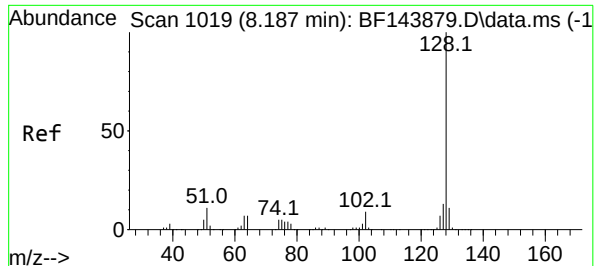
Ion Ratio Lower Upper

180 100

182 109.0 85.4 128.0

145 32.7 26.3 39.5





#31

Naphthalene

Concen: 36.679 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:128 Resp: 749110

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

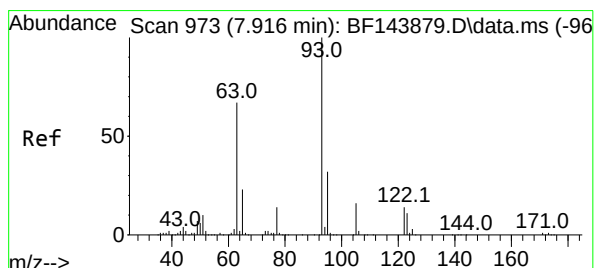
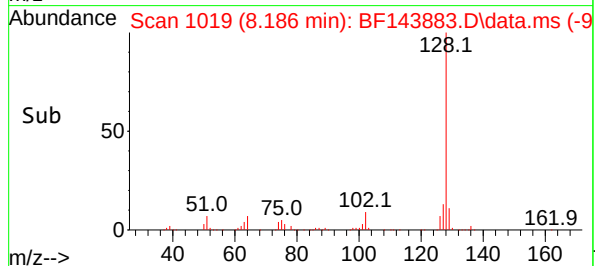
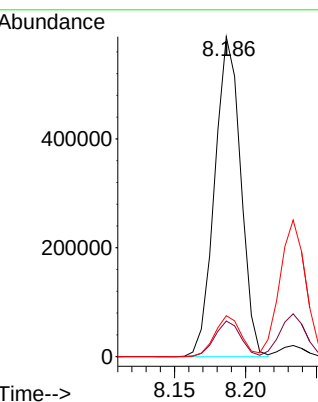
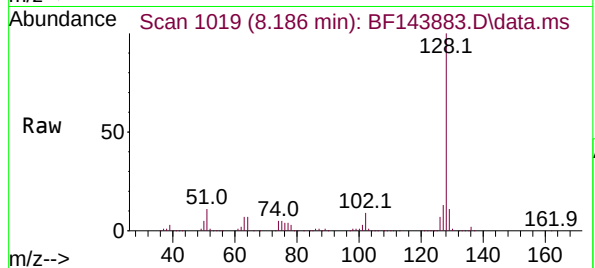
127 12.8 10.0 15.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#32

Benzoic acid

Concen: 35.162 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.059 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

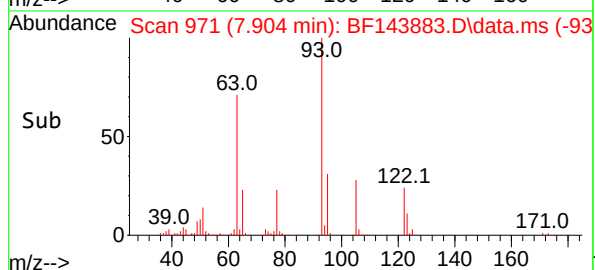
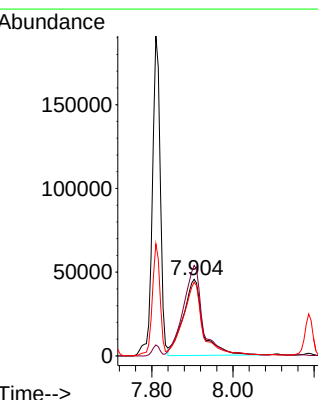
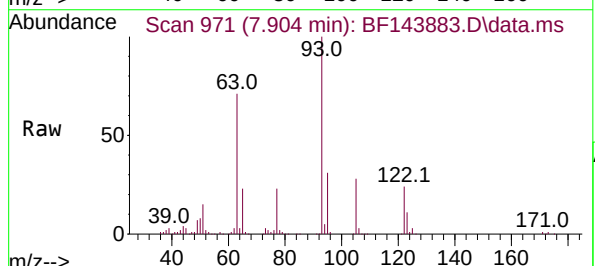
Tgt Ion:122 Resp: 154019

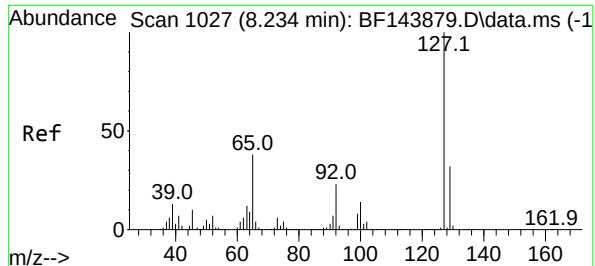
Ion Ratio Lower Upper

122 100

105 118.0 93.5 133.5

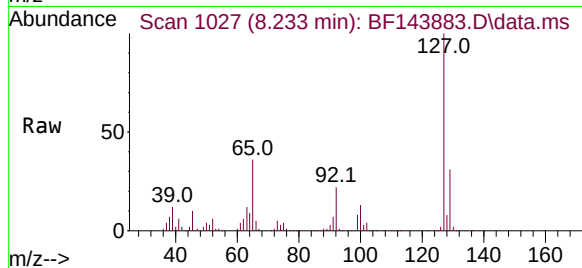
77 96.2 76.3 116.3





#33
4-Chloroaniline
Concen: 41.950 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

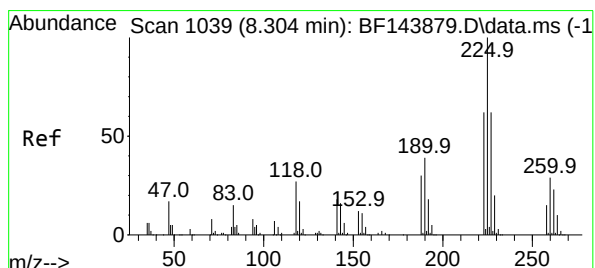
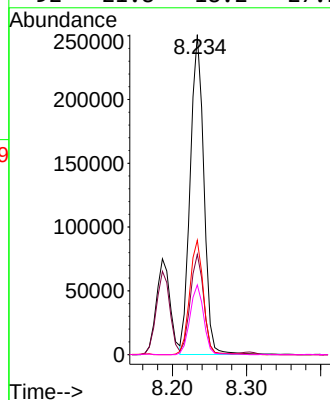
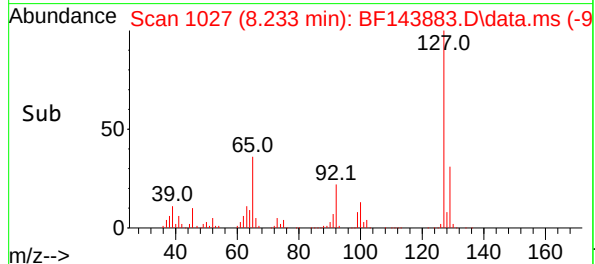
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:127 Resp: 321328
Ion Ratio Lower Upper
127 100
129 31.3 25.8 38.8
65 35.7 30.0 45.0
92 21.8 18.2 27.2

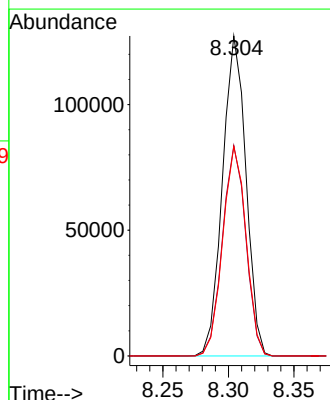
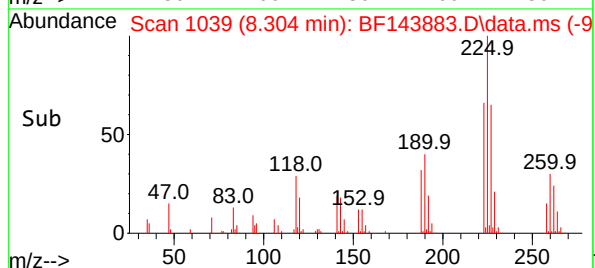
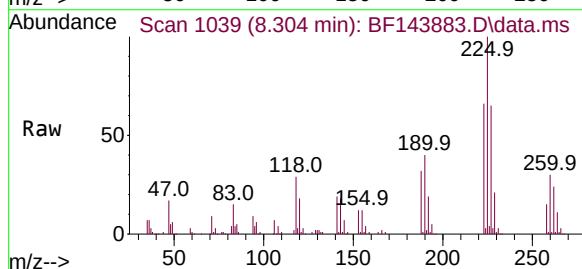
Manual Integrations
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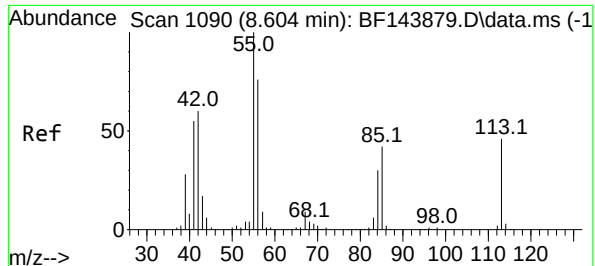
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#34
Hexachlorobutadiene
Concen: 35.201 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:225 Resp: 158600
Ion Ratio Lower Upper
225 100
223 65.7 49.4 74.2
227 65.4 49.7 74.5





#35

Caprolactam

Concen: 37.736 ng

RT: 8.598 min Scan# 1089

Delta R.T. -0.047 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

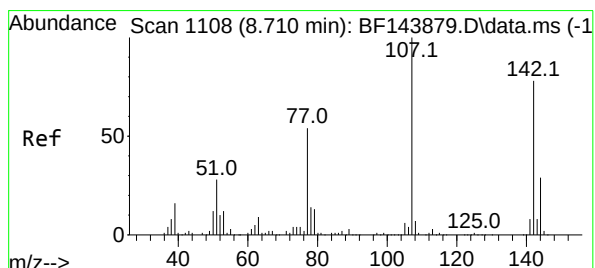
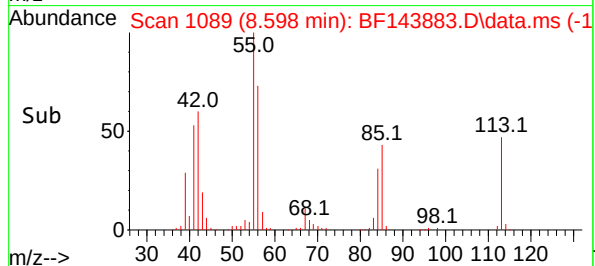
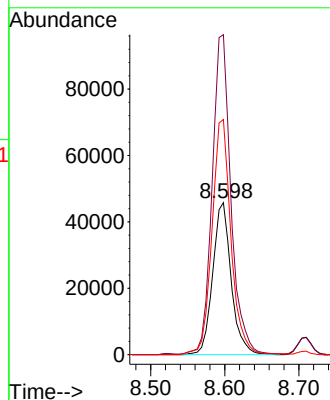
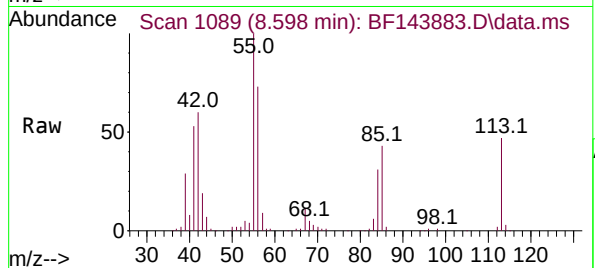
Tgt Ion:	113	Resp:	79102
Ion	Ratio	Lower	Upper
113	100		
55	210.6	199.6	239.6
56	154.8	146.0	186.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#36

4-Chloro-3-methylphenol

Concen: 36.079 ng

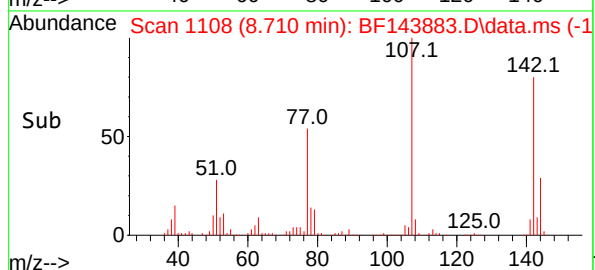
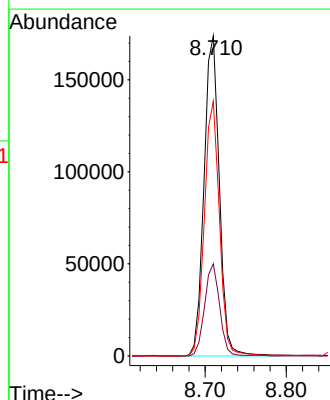
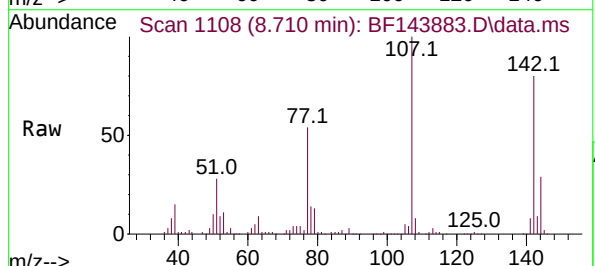
RT: 8.710 min Scan# 1108

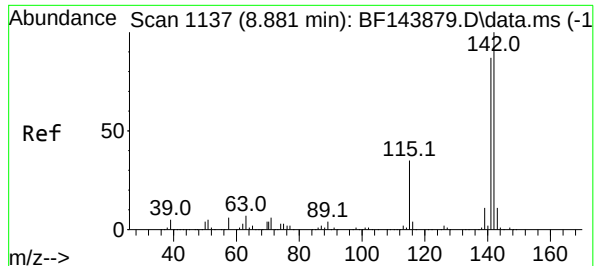
Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

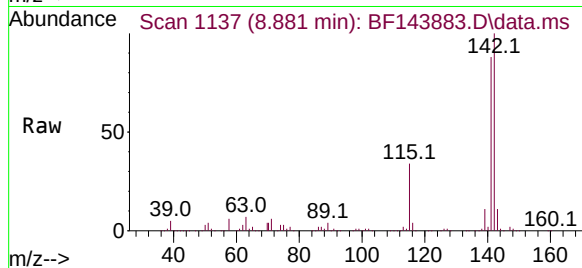
Tgt Ion:	107	Resp:	228481
Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.1	34.7
142	79.6	62.6	94.0





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

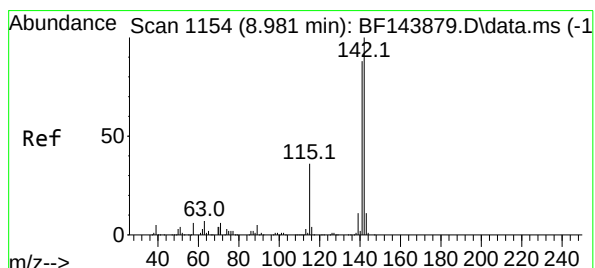
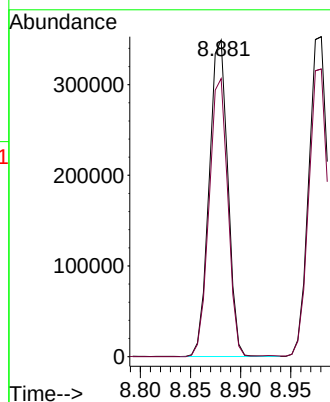
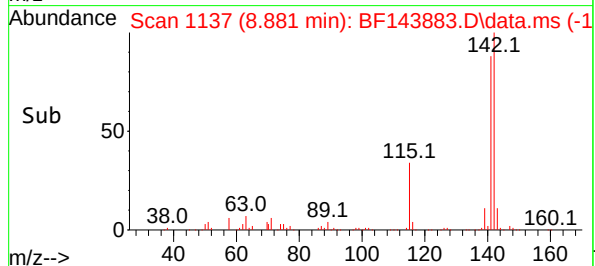
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



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

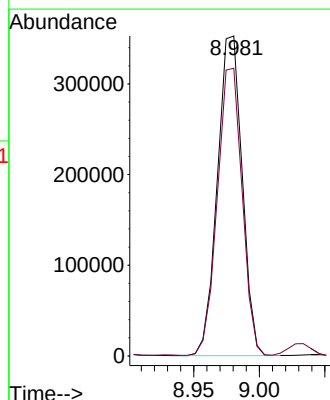
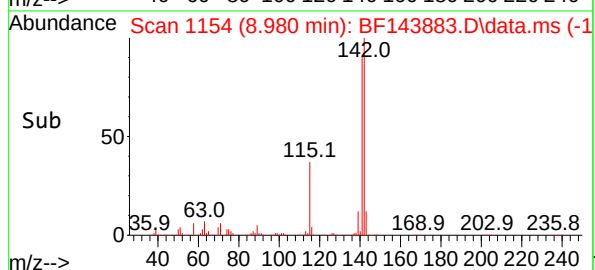
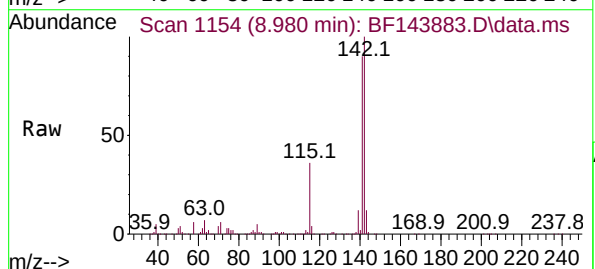
Manual Integrations
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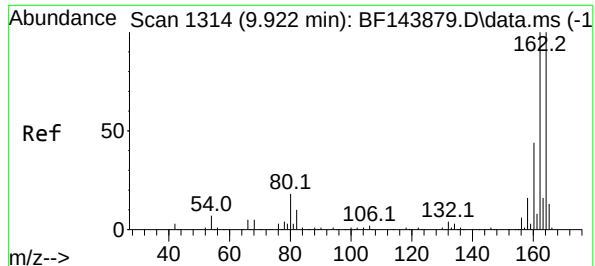
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#38
1-Methylnaphthalene
Concen: 35.269 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:142 Resp: 465414
Ion Ratio Lower Upper
142 100
141 89.9 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:164 Resp: 247780

Ion Ratio Lower Upper

164 100

162 100.9 80.2 120.2

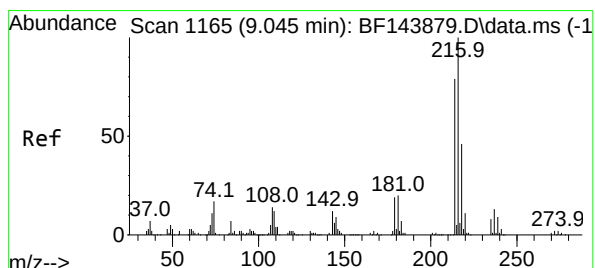
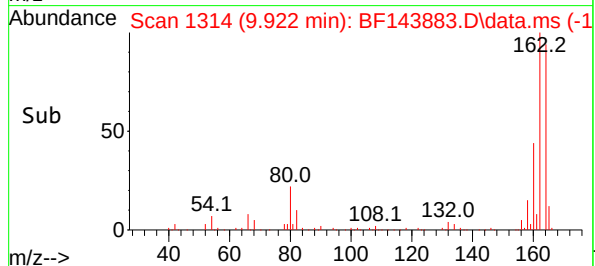
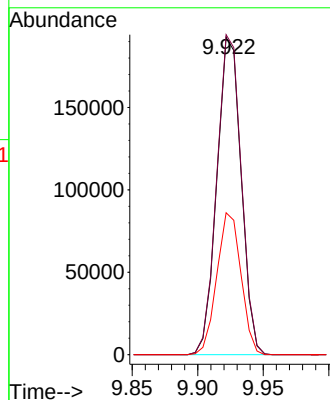
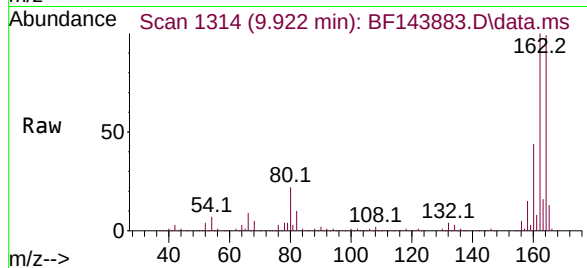
160 44.7 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.122 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Tgt Ion:216 Resp: 254223

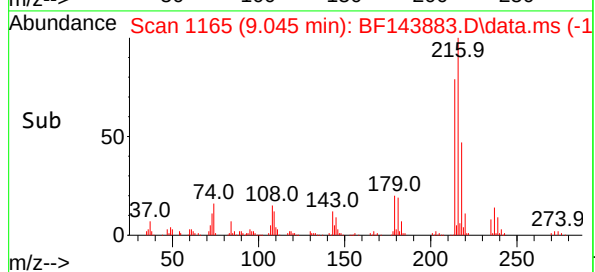
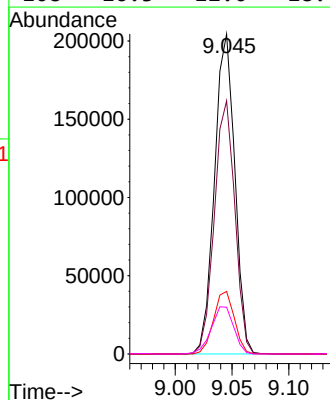
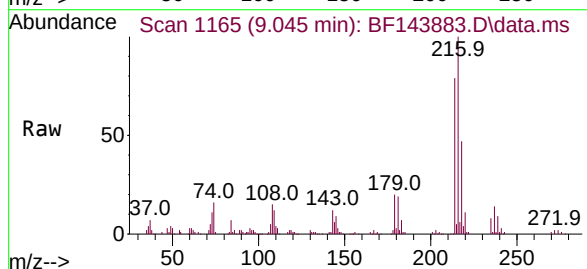
Ion Ratio Lower Upper

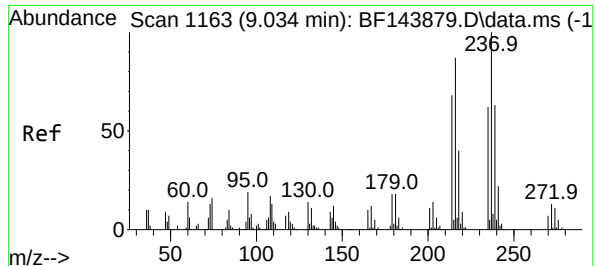
216 100

214 79.7 62.6 94.0

179 19.9 15.4 23.0

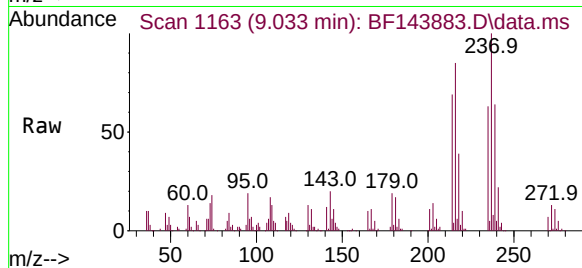
108 16.3 12.0 18.0





#41
Hexachlorocyclopentadiene
Concen: 48.984 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

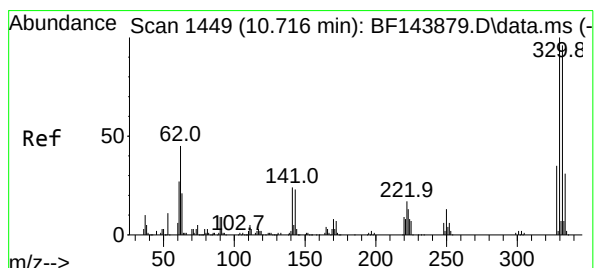
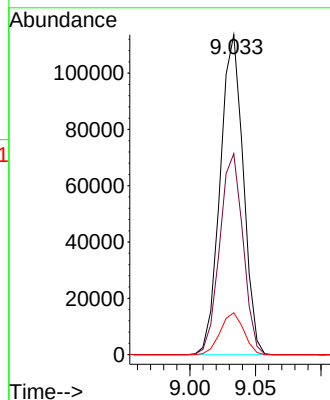
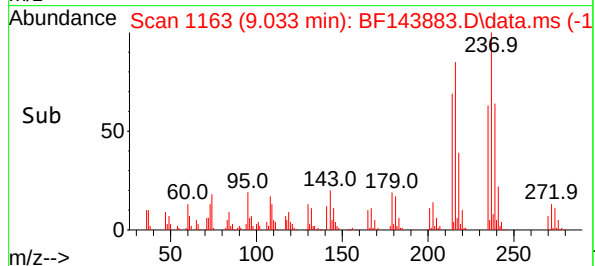
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



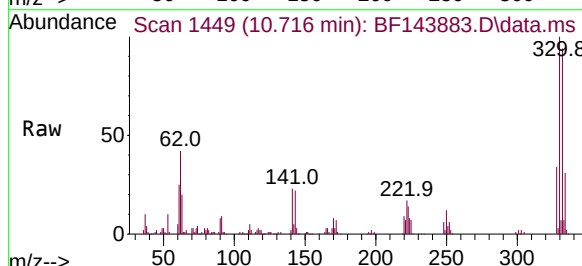
Tgt Ion: 237 Resp: 139168
Ion Ratio Lower Upper
237 100
235 62.8 42.3 82.3
272 13.1 0.0 33.1

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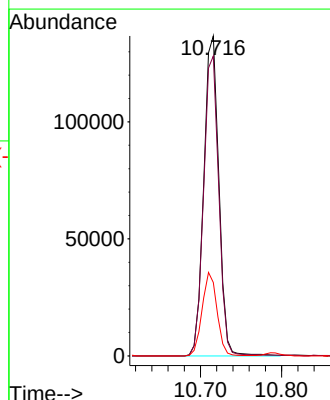
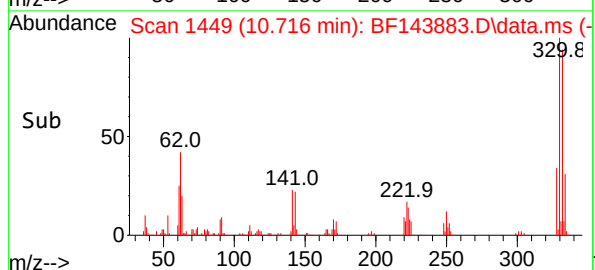
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

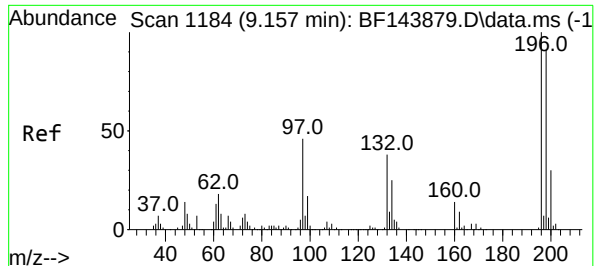


#42
2,4,6-Tribromophenol
Concen: 71.685 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08



Tgt Ion: 330 Resp: 176914
Ion Ratio Lower Upper
330 100
332 94.3 76.9 115.3
141 25.8 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 36.726 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.012 min

Lab File: BF143883.D

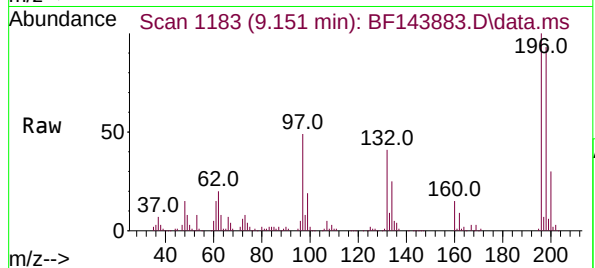
Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625



Tgt Ion:196 Resp: 183769

Ion Ratio Lower Upper

196 100

198 93.3 72.8 109.2

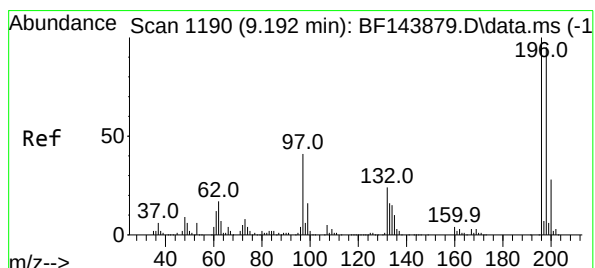
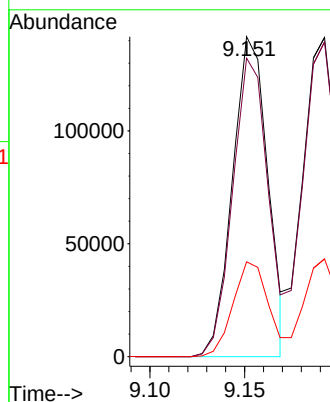
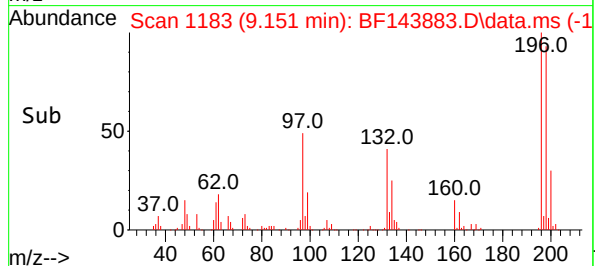
200 29.6 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#44

2,4,5-Trichlorophenol

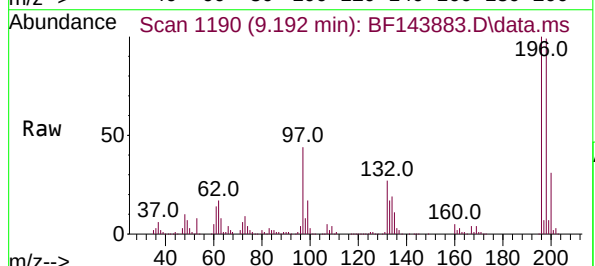
Concen: 35.194 ng

RT: 9.192 min Scan# 1190

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08



Tgt Ion:196 Resp: 186099

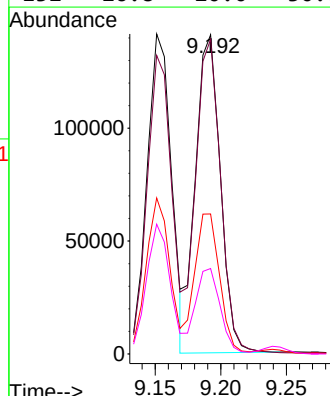
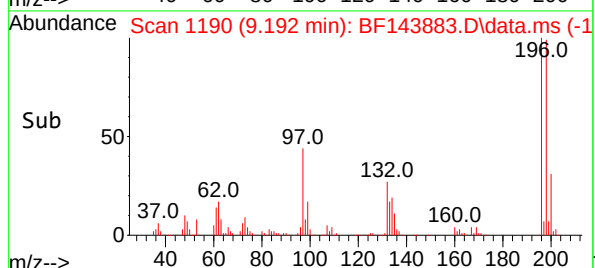
Ion Ratio Lower Upper

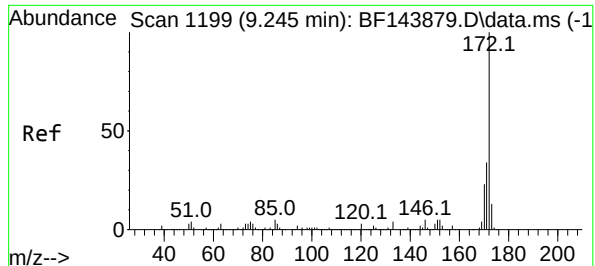
196 100

198 98.6 75.5 113.3

97 43.8 33.9 50.9

132 26.8 20.0 30.0





#45

2-Fluorobiphenyl

Concen: 67.621 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:172 Resp: 105594

Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

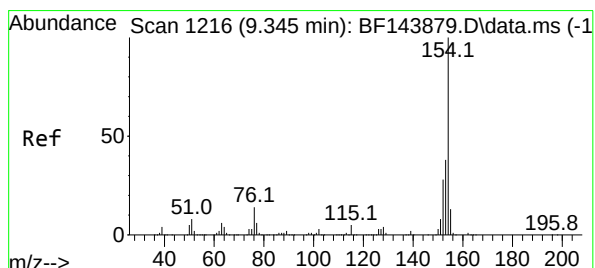
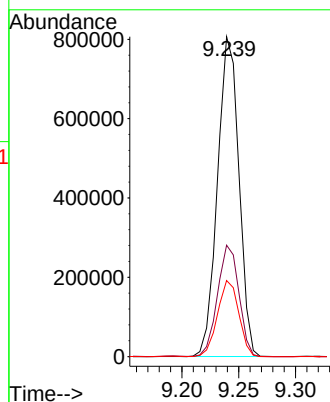
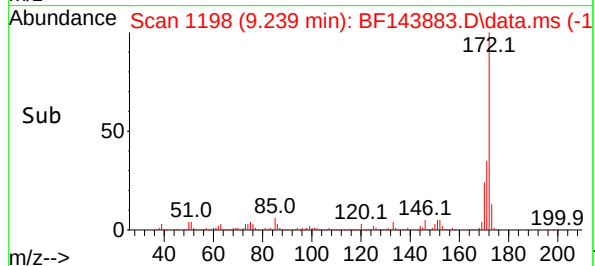
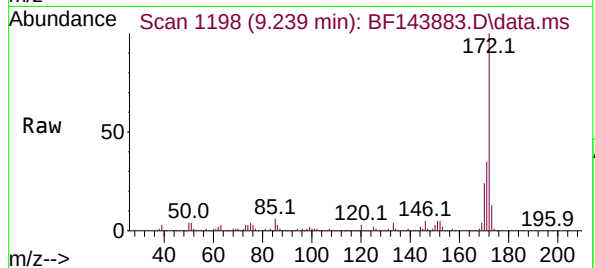
170 23.8 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#46

1,1'-Biphenyl

Concen: 36.770 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

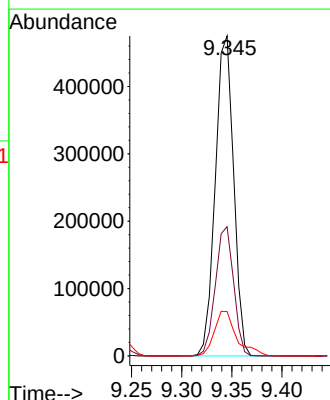
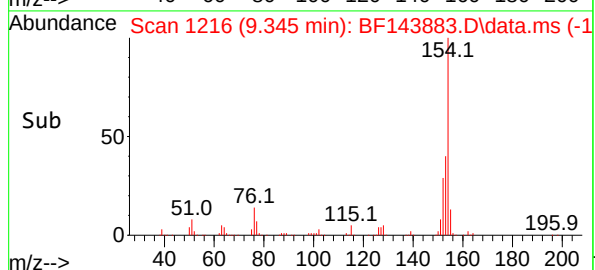
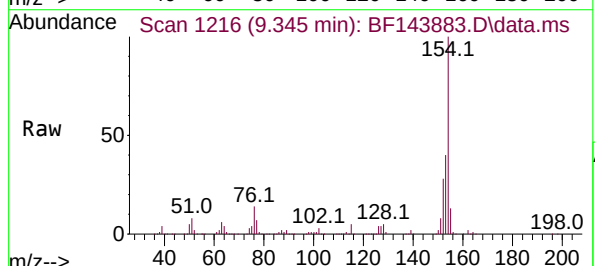
Tgt Ion:154 Resp: 603213

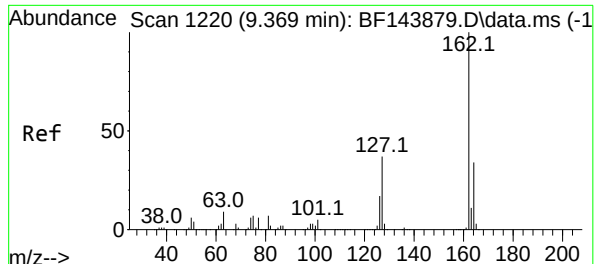
Ion Ratio Lower Upper

154 100

153 40.4 18.4 58.4

76 13.9 0.0 34.0





#47

2-Chloronaphthalene

Concen: 36.454 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143883.D

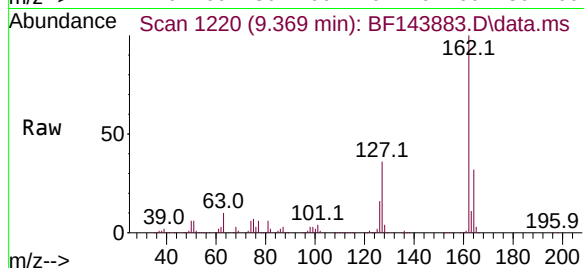
Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

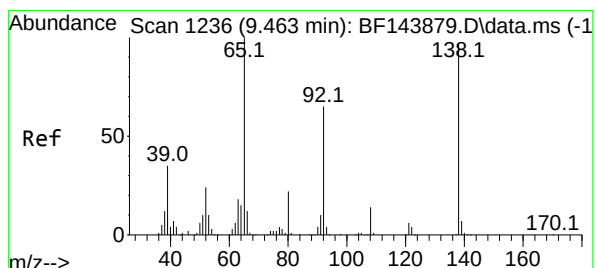
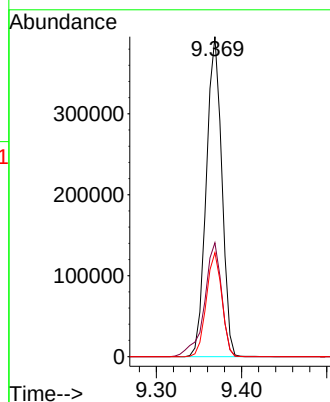
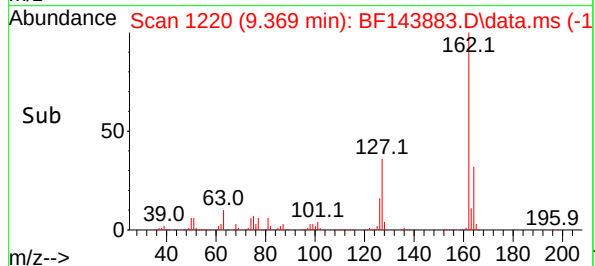


Tgt Ion:	162	Resp:	498615
Ion Ratio	Lower	Upper	
162	100		
127	35.6	30.2	45.2
164	32.5	26.9	40.3

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

Supervised By :Jagrut Upadhyay 10/07/2025



#48

2-Nitroaniline

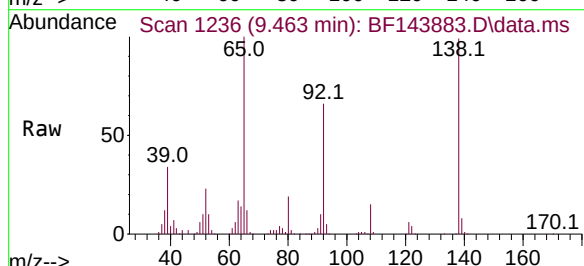
Concen: 38.894 ng

RT: 9.463 min Scan# 1236

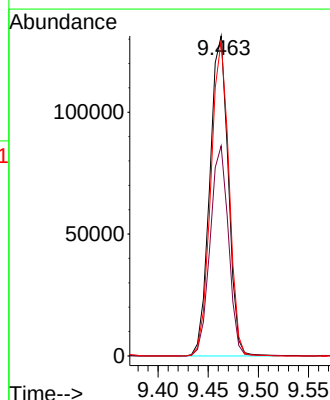
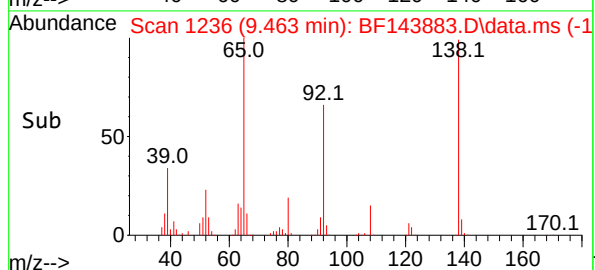
Delta R.T. -0.006 min

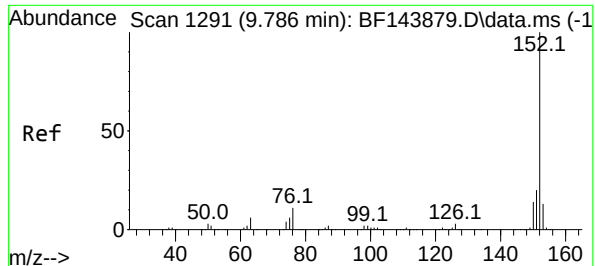
Lab File: BF143883.D

Acq: 06 Oct 2025 16:08



Tgt Ion:	65	Resp:	168191
Ion Ratio	Lower	Upper	
65	100		
92	65.6	52.1	78.1
138	98.5	77.4	116.2





#49

Acenaphthylene

Concen: 40.859 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143883.D

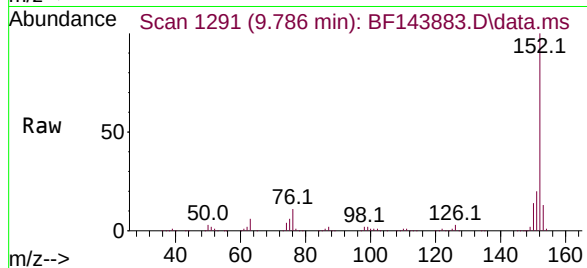
Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625



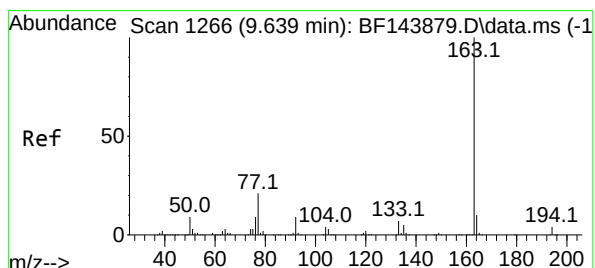
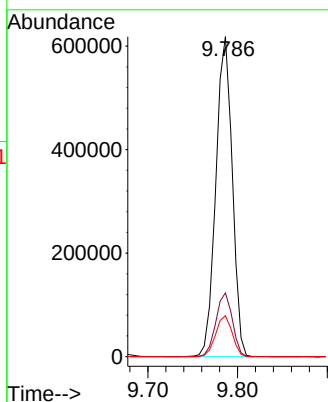
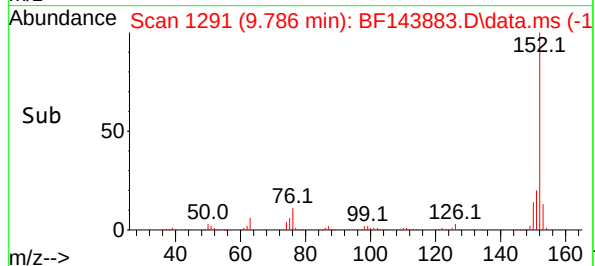
Tgt Ion:152	Resp: 78569
Ion Ratio	Lower Upper
152	100
151	19.9 15.8 23.6
153	12.8 10.5 15.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#50

Dimethylphthalate

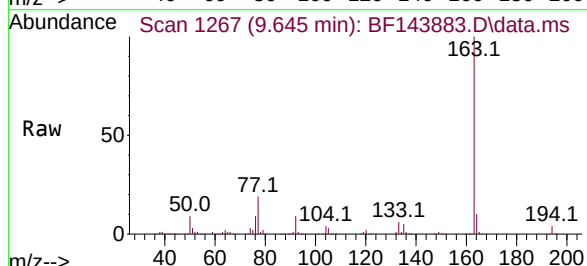
Concen: 35.968 ng

RT: 9.645 min Scan# 1267

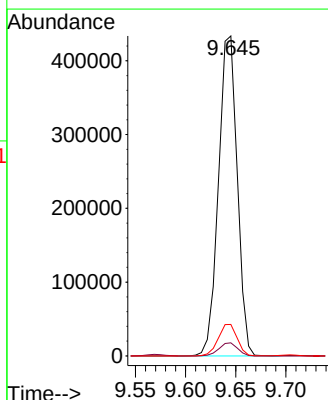
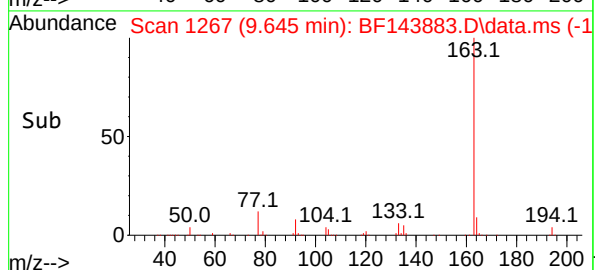
Delta R.T. 0.000 min

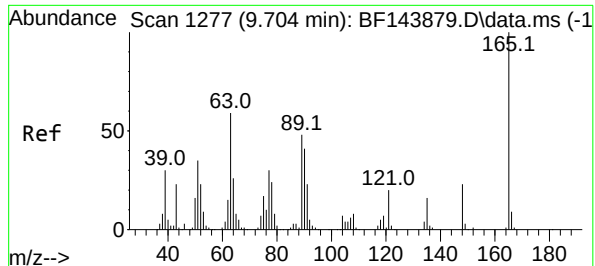
Lab File: BF143883.D

Acq: 06 Oct 2025 16:08



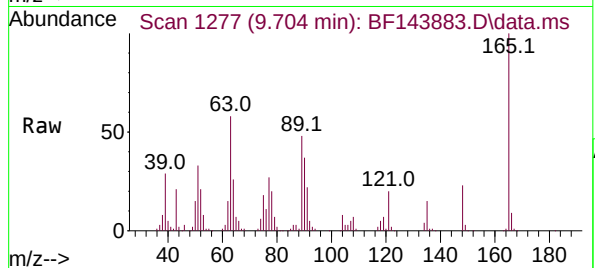
Tgt Ion:163	Resp: 565953
Ion Ratio	Lower Upper
163	100
194	4.1 3.3 4.9
164	9.8 8.1 12.1





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

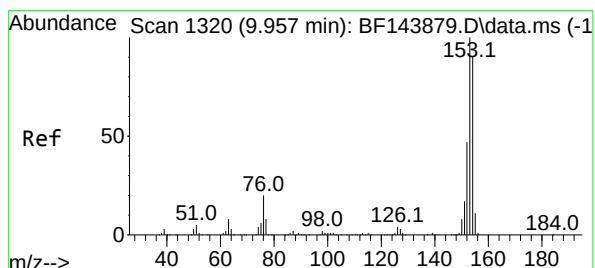
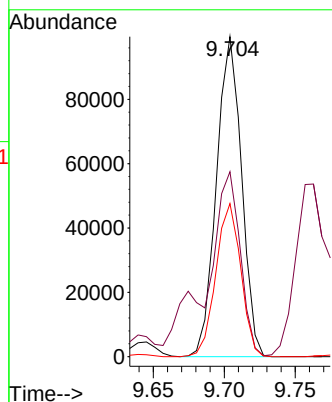
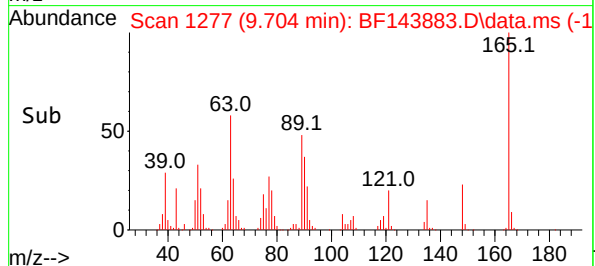
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



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

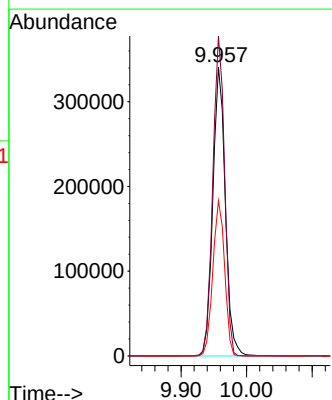
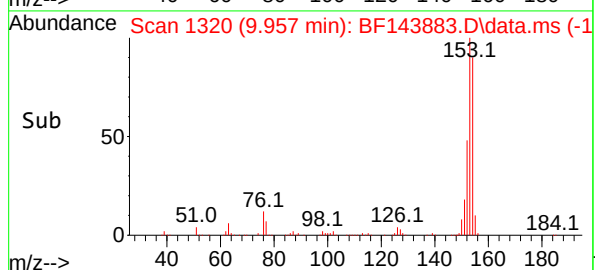
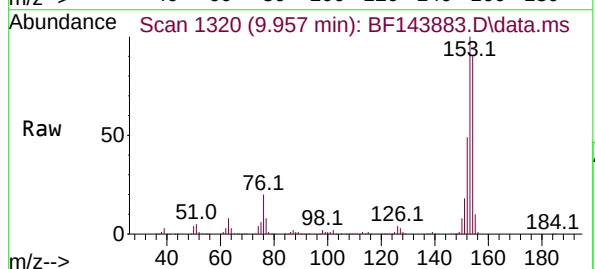
Manual Integrations
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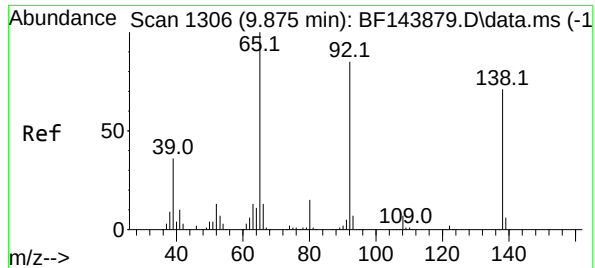
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#52
Acenaphthene
Concen: 35.913 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

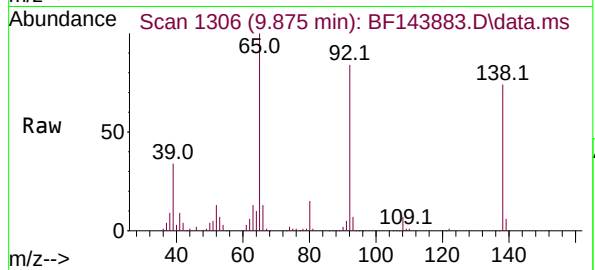
Tgt Ion:154 Resp: 452513
Ion Ratio Lower Upper
154 100
153 110.8 89.3 133.9
152 53.8 42.2 63.2





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

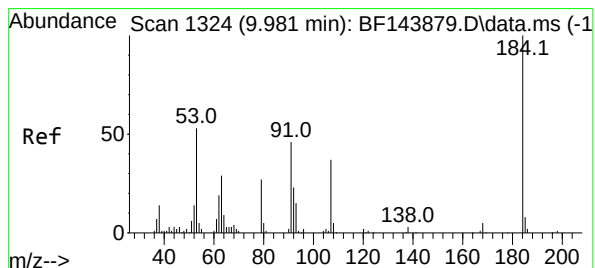
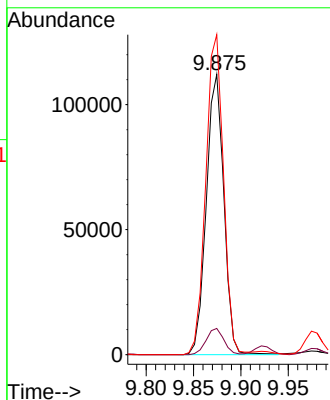
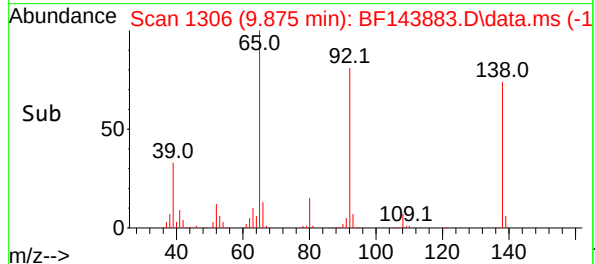
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



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

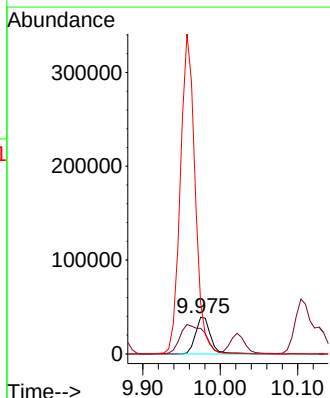
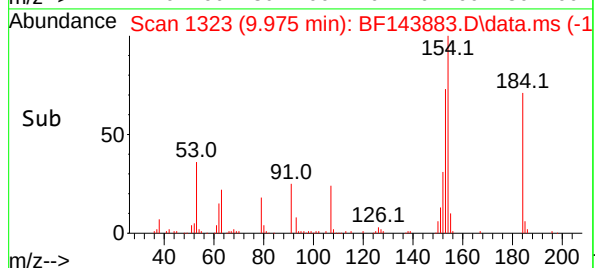
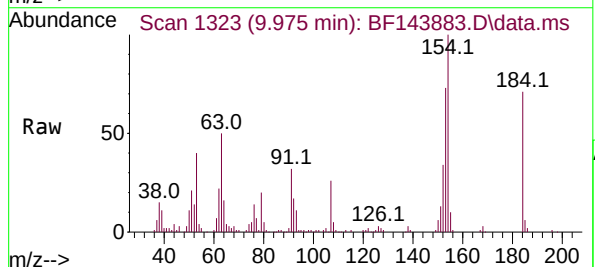
Manual Integrations
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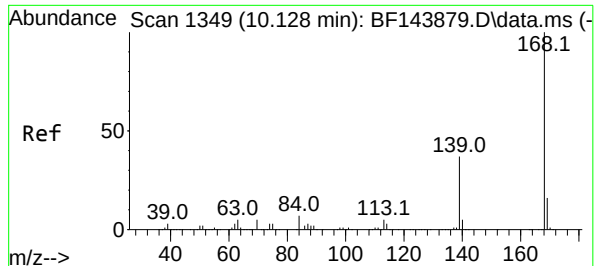
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#54
2,4-Dinitrophenol
Concen: 33.731 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.011 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

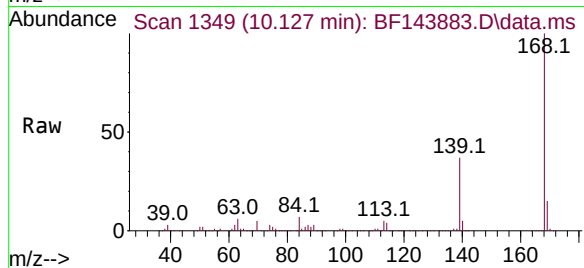
Tgt Ion:184 Resp: 52796
Ion Ratio Lower Upper
184 100
63 70.0 48.2 72.4
154 140.2 49.2 73.8#





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

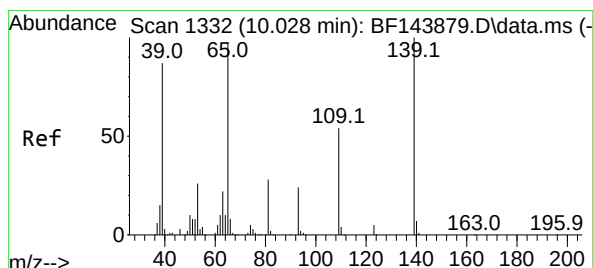
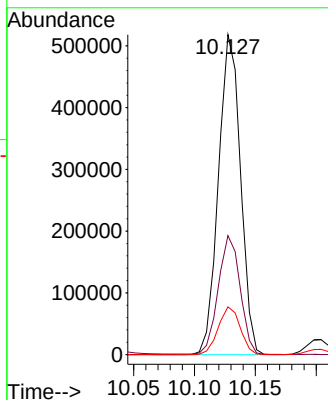
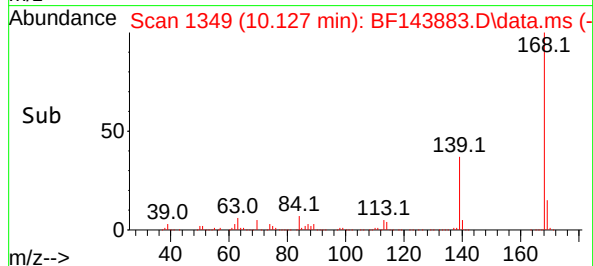
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



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

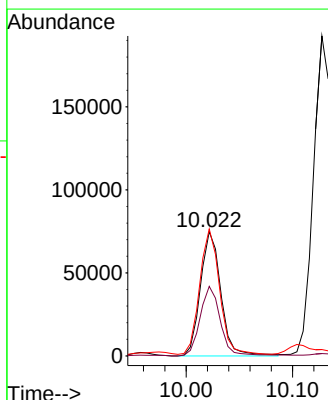
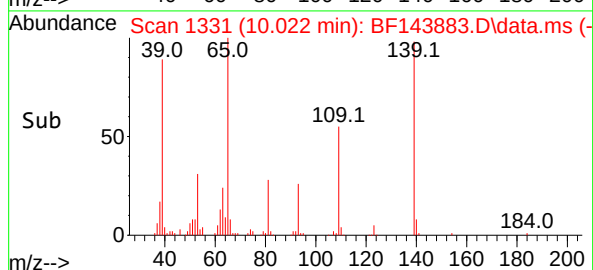
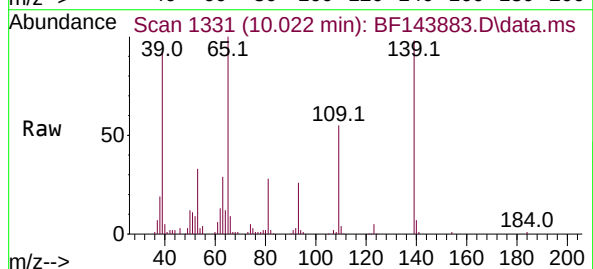
Manual Integrations
APPROVED

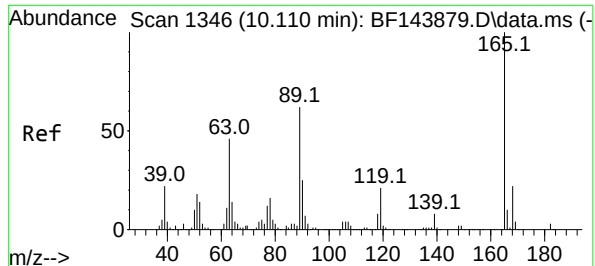
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

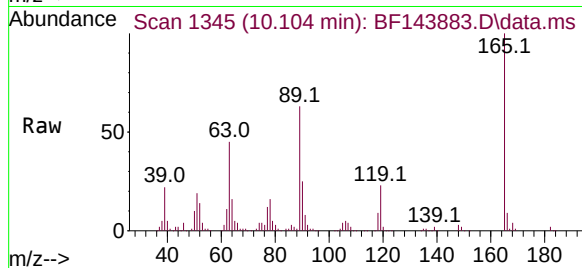
Tgt Ion:139 Resp: 99684
Ion Ratio Lower Upper
139 100
109 56.0 34.5 74.5
65 102.2 77.6 117.6





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

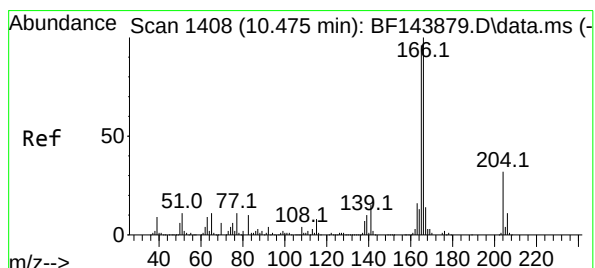
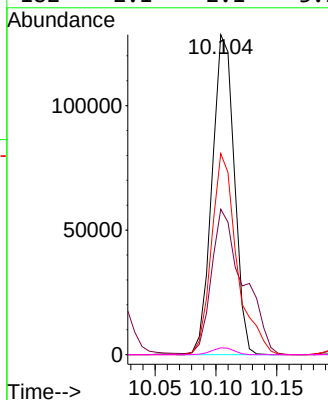
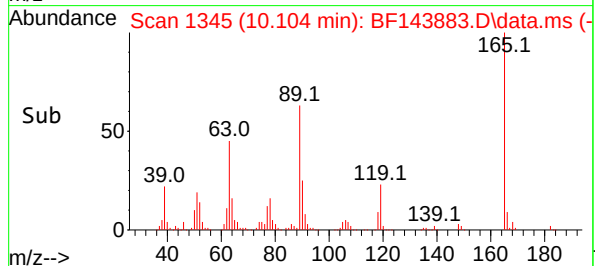
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:165 Resp: 163440
Ion Ratio Lower Upper
165 100
63 45.4 37.2 55.8
89 62.8 49.4 74.2
182 2.1 2.1 3.1

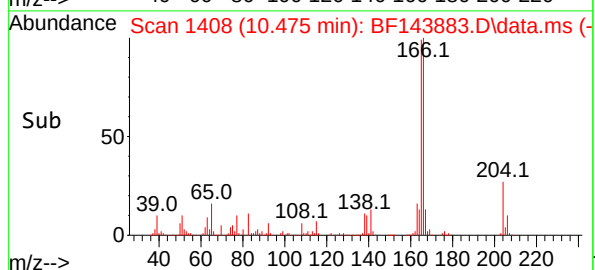
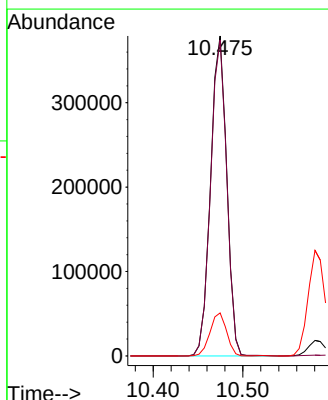
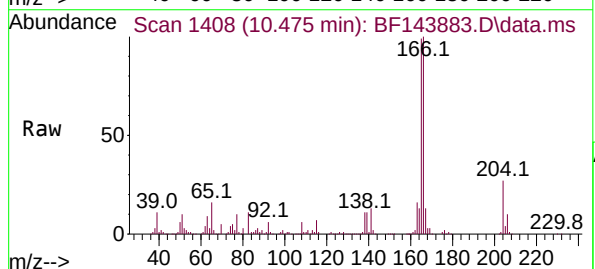
Manual Integrations
APPROVED

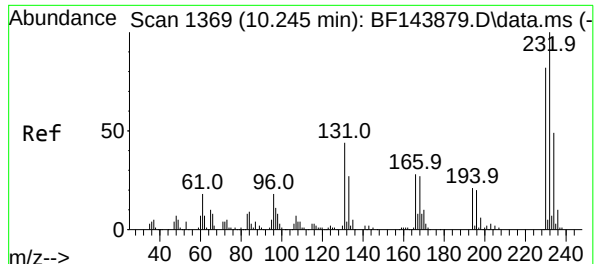
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#58
Fluorene
Concen: 35.527 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

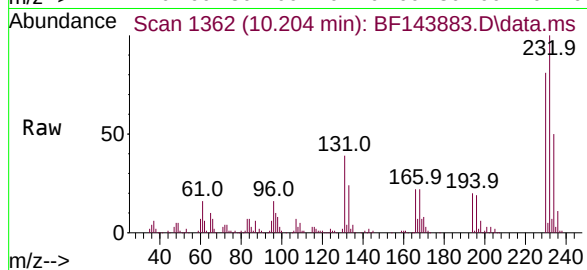
Tgt Ion:166 Resp: 476811
Ion Ratio Lower Upper
166 100
165 98.7 77.0 115.6
167 13.4 11.1 16.7





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

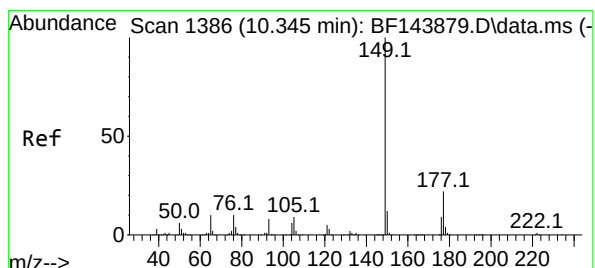
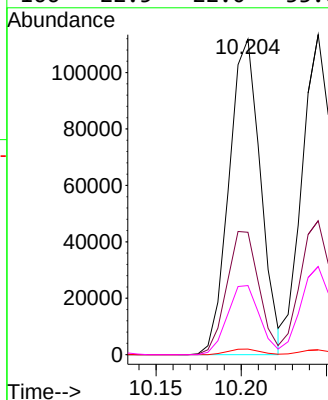
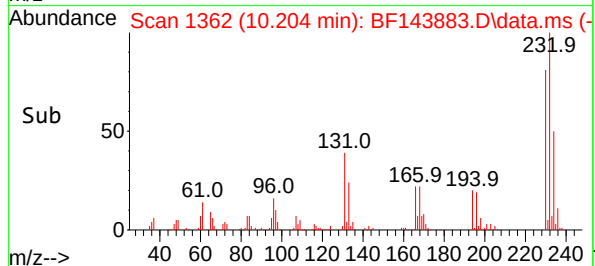
Instrument :
BNA_F
Client Sample Id :
ICVBF100625



Tgt Ion:232 Resp: 144064
Ion Ratio Lower Upper
232 100
131 40.0 34.9 52.3
130 1.8 1.6 2.4
166 22.5 22.0 33.0

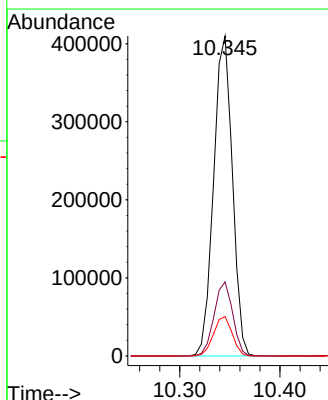
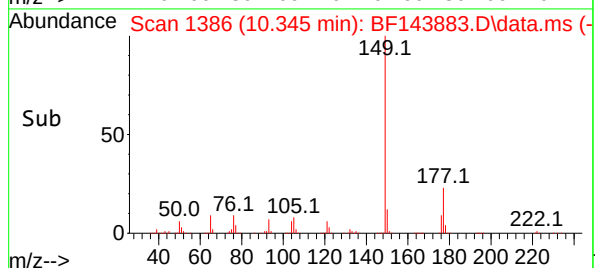
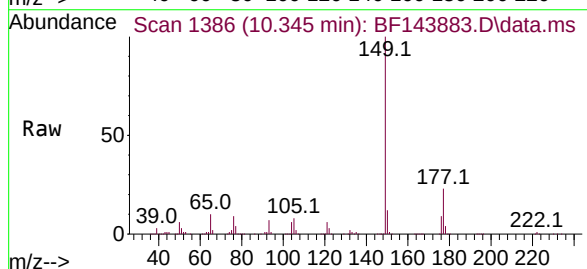
Manual Integrations
APPROVED

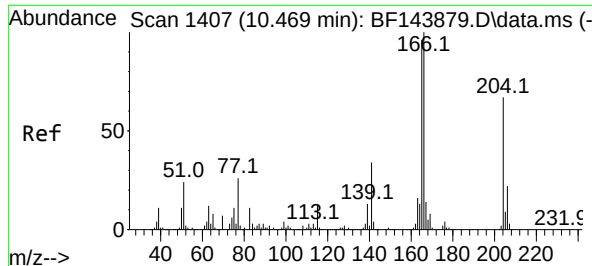
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#60
Diethylphthalate
Concen: 36.501 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

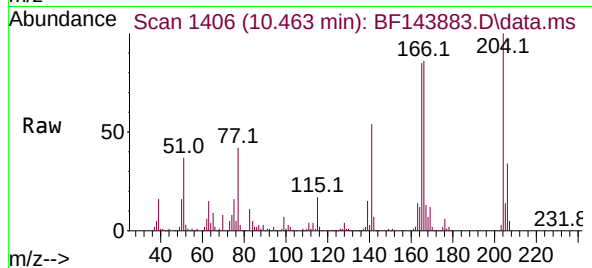
Tgt Ion:149 Resp: 533574
Ion Ratio Lower Upper
149 100
177 23.1 17.9 26.9
150 12.3 9.8 14.8





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

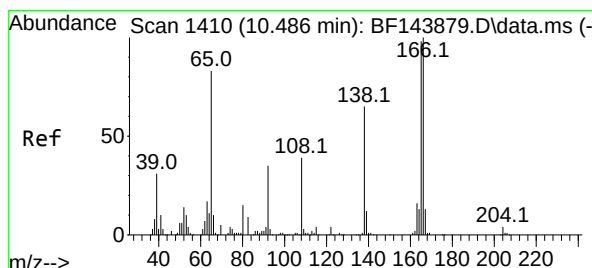
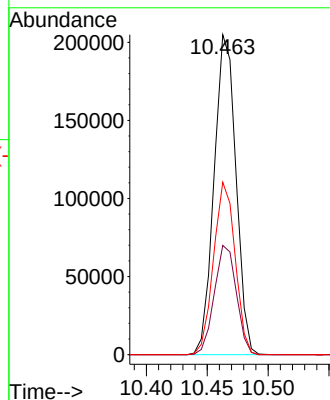
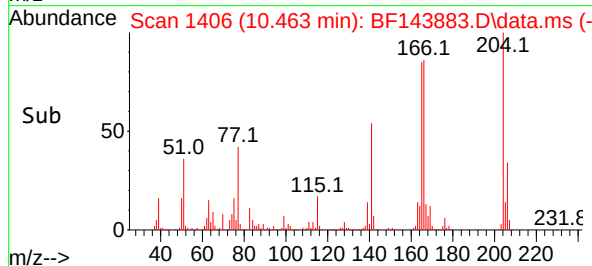
Instrument :
BNA_F
Client Sample Id :
ICVBF100625



Tgt Ion: 204 Resp: 25624
Ion Ratio Lower Upper
204 100
206 34.1 26.6 40.0
141 53.9 40.4 60.6

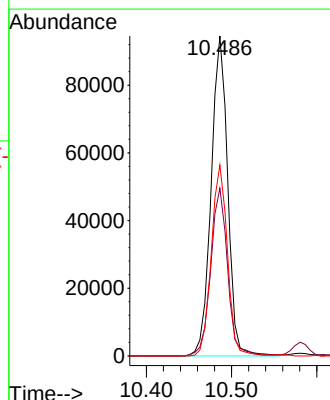
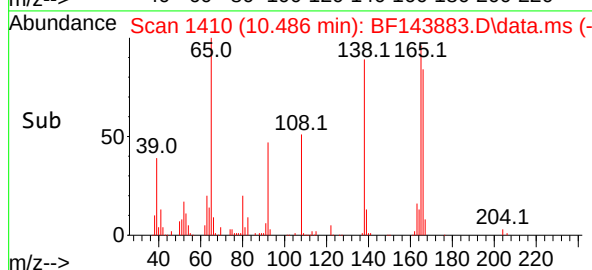
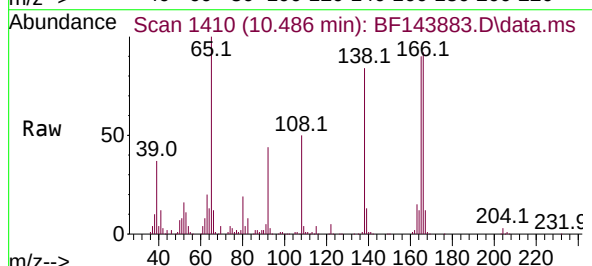
Manual Integrations
APPROVED

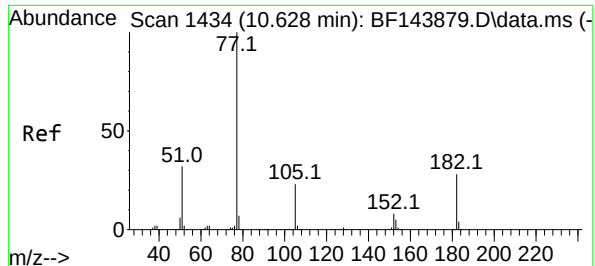
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#62
4-Nitroaniline
Concen: 37.074 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

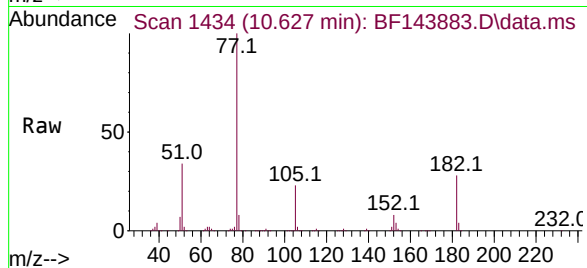
Tgt Ion: 138 Resp: 127369
Ion Ratio Lower Upper
138 100
92 52.4 33.9 73.9
108 59.6 40.2 80.2





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

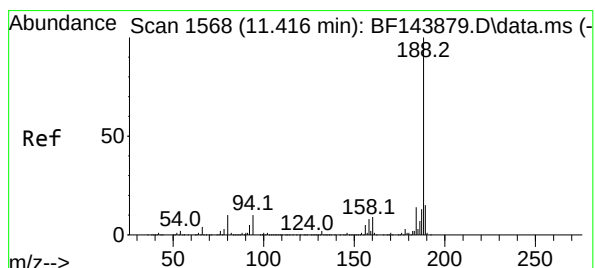
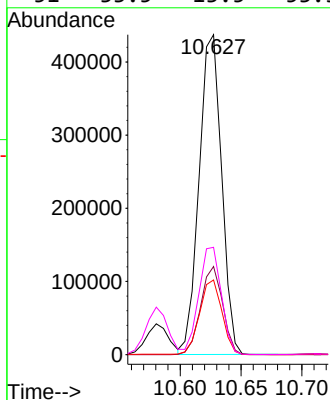
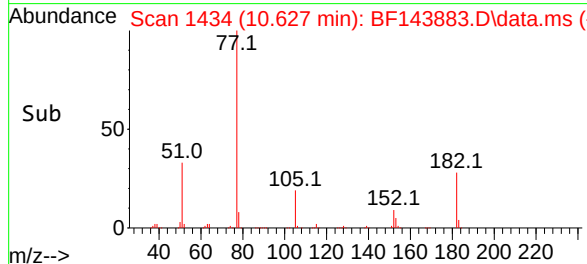
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



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

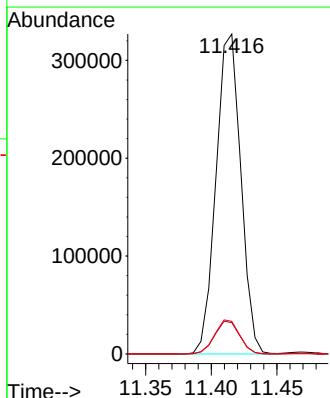
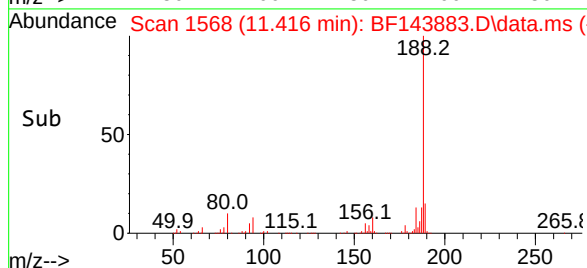
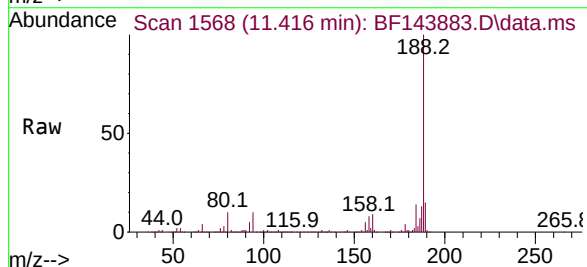
Manual Integrations
APPROVED

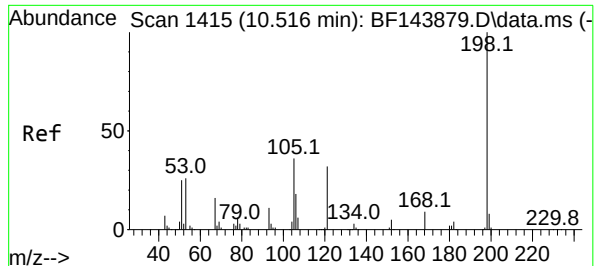
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



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

Tgt Ion:188 Resp: 431562
Ion Ratio Lower Upper
188 100
94 9.8 7.8 11.6
80 10.2 7.9 11.9





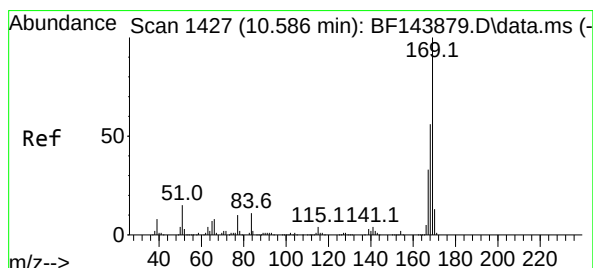
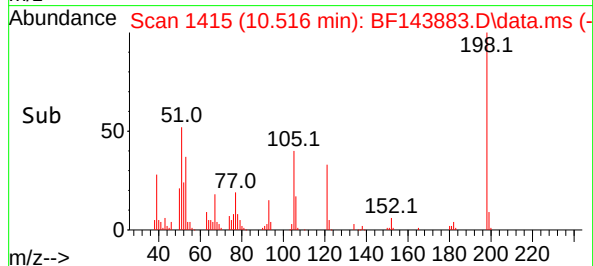
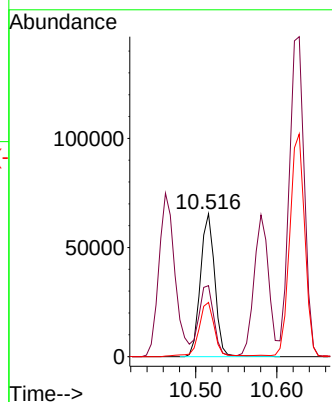
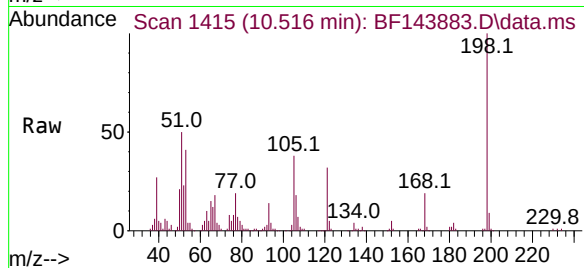
#65
4,6-Dinitro-2-methylphenol
Concen: 37.083 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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

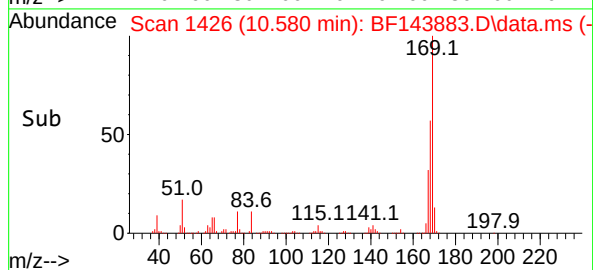
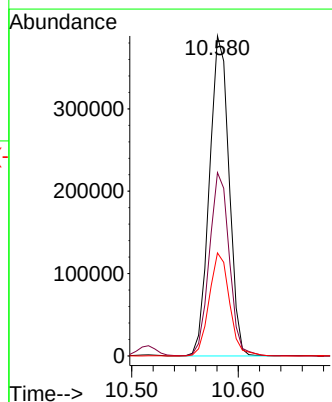
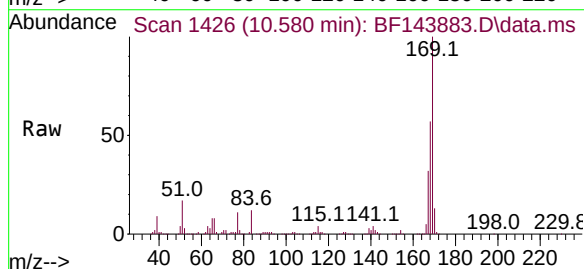
Manual Integrations
APPROVED

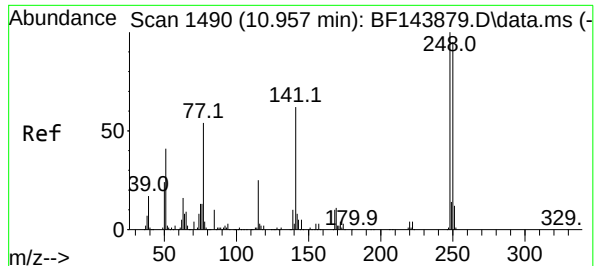
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#66
n-Nitrosodiphenylamine
Concen: 36.649 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

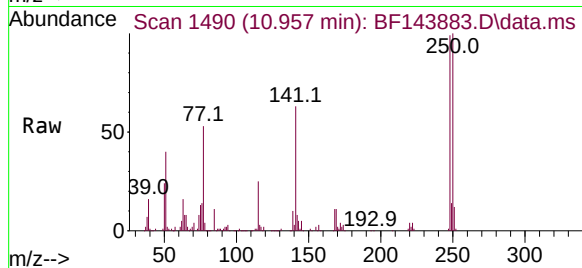
Tgt Ion:169 Resp: 496618
Ion Ratio Lower Upper
169 100
168 57.3 44.9 67.3
167 32.2 26.3 39.5





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

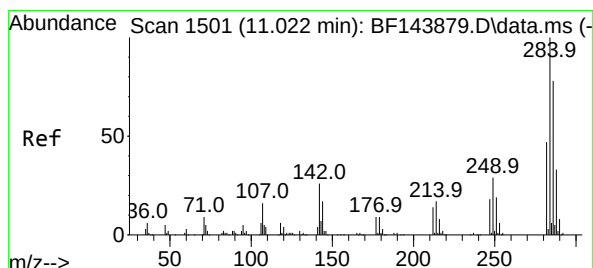
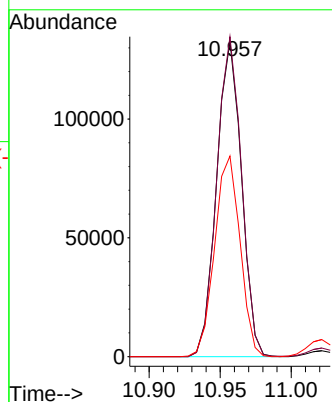
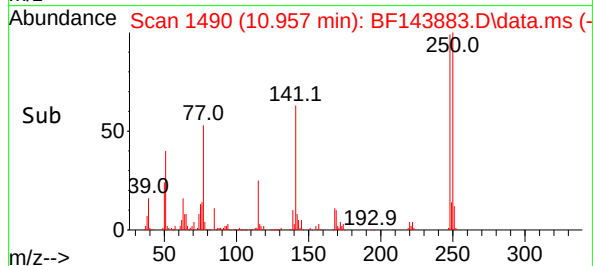
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



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

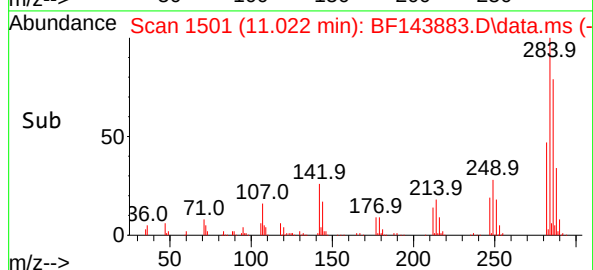
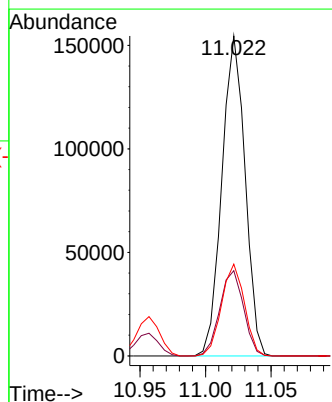
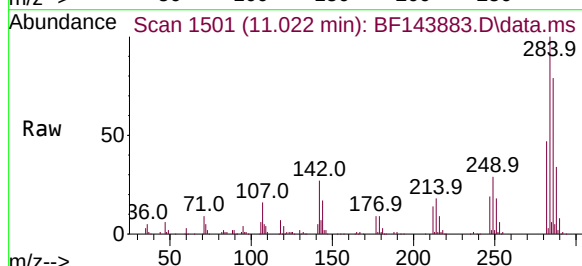
Manual Integrations
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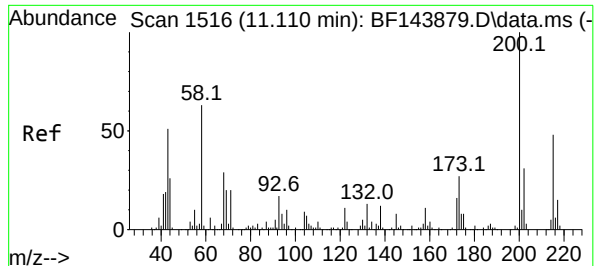
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#68
Hexachlorobenzene
Concen: 34.415 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:284 Resp: 190028
Ion Ratio Lower Upper
284 100
142 26.6 20.6 30.8
249 28.7 23.2 34.8





#69

Atrazine

Concen: 39.016 ng

RT: 11.110 min Scan# 1516

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:200 Resp: 160244

Ion Ratio Lower Upper

200 100

173 27.7 7.0 47.0

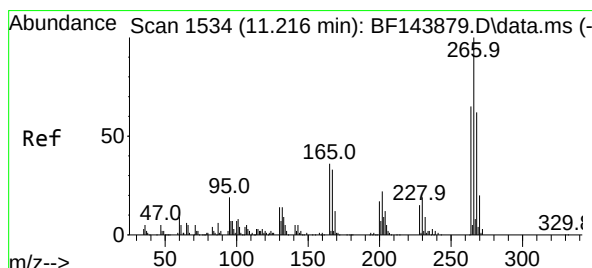
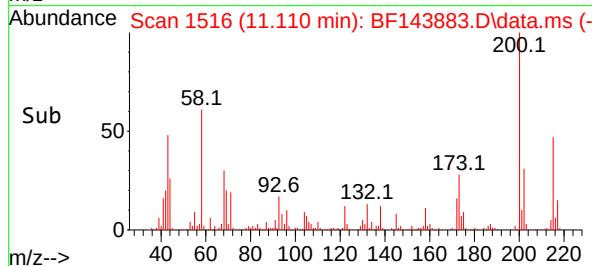
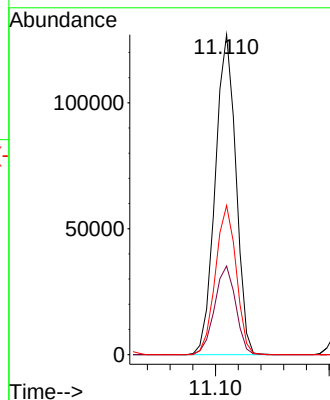
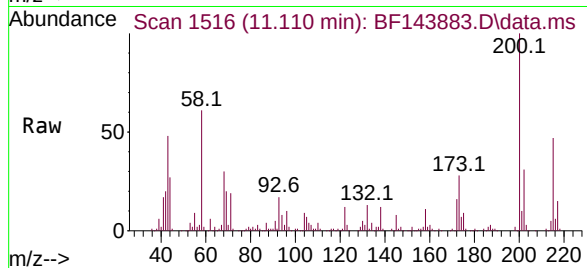
215 46.6 27.8 67.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#70

Pentachlorophenol

Concen: 33.097 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

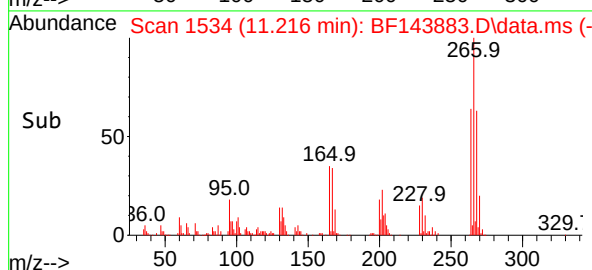
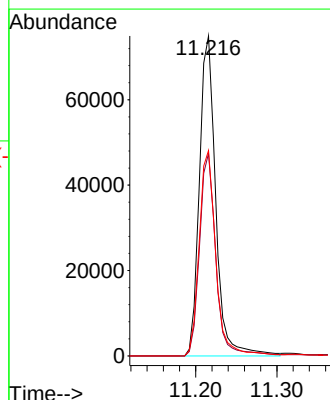
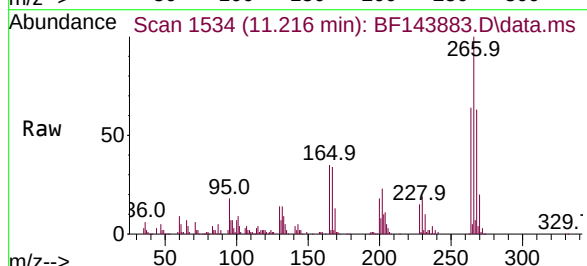
Tgt Ion:266 Resp: 104958

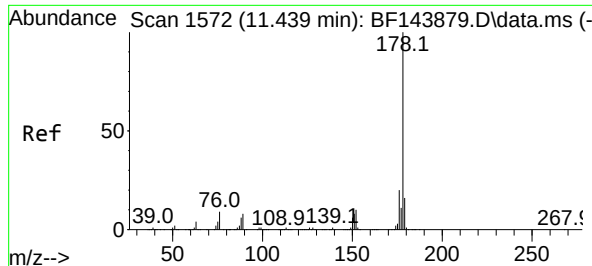
Ion Ratio Lower Upper

266 100

268 63.3 49.4 74.0

264 64.2 51.8 77.6





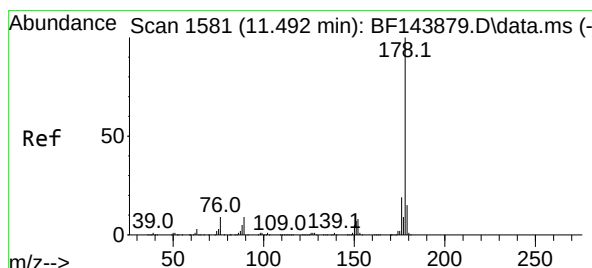
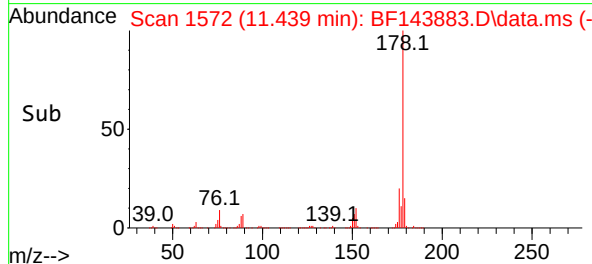
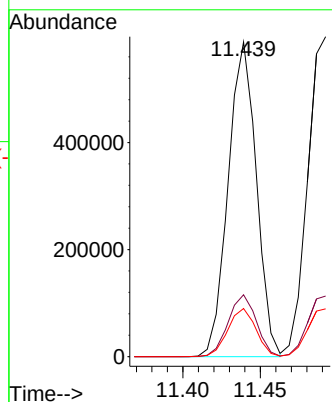
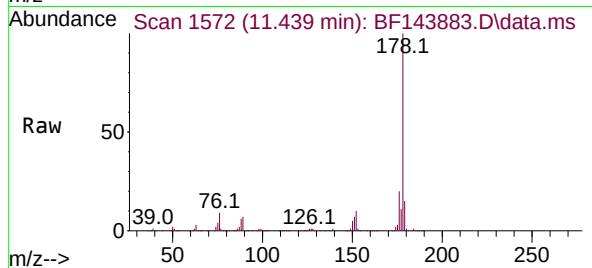
#71
Phenanthrene
Concen: 35.542 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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

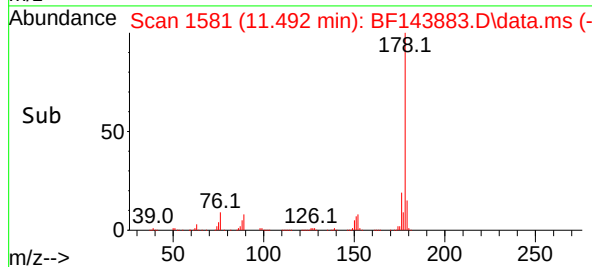
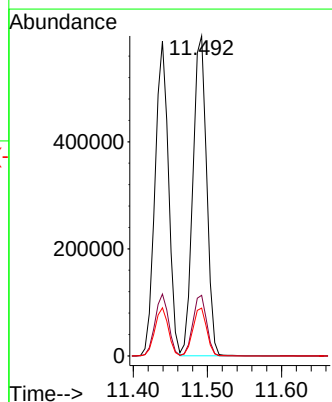
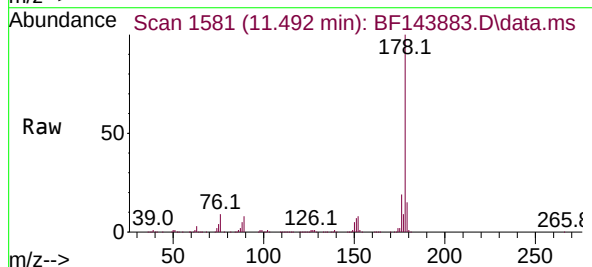
Manual Integrations
APPROVED

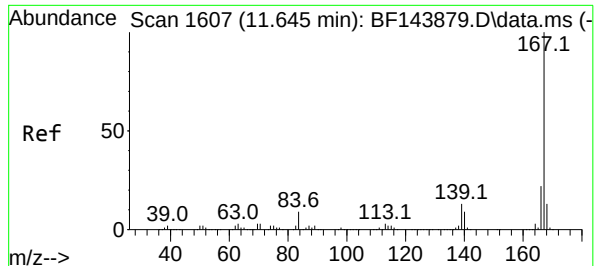
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#72
Anthracene
Concen: 36.273 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

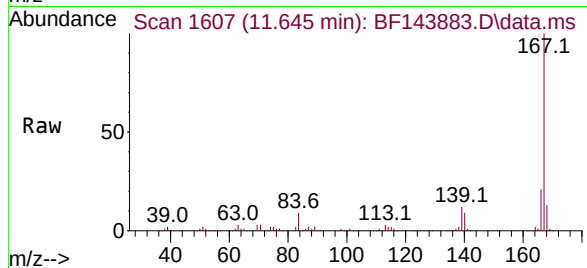
Tgt Ion:178 Resp: 766674
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 14.9 12.2 18.2





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

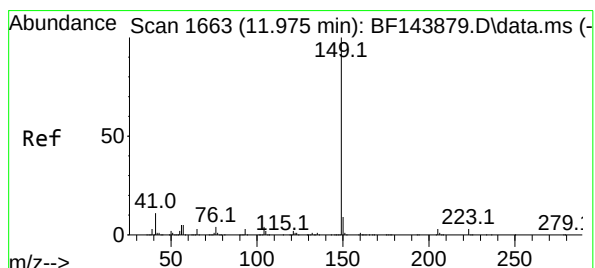
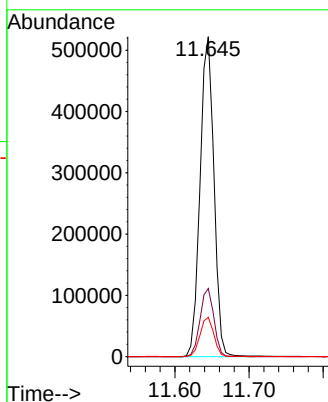
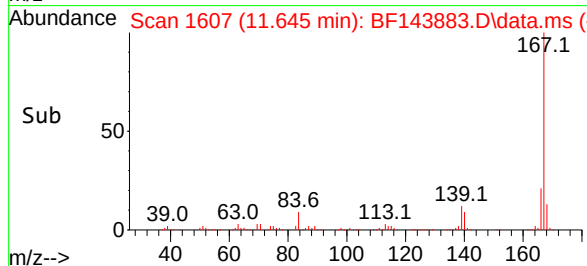
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



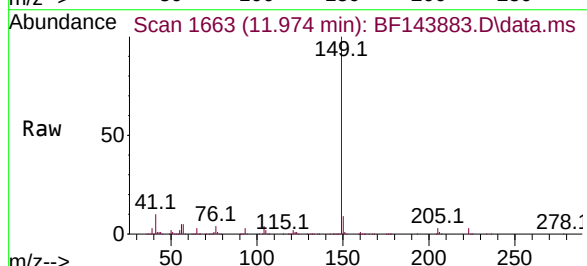
Tgt Ion:167 Resp: 678522
Ion Ratio Lower Upper
167 100
166 21.3 17.2 25.8
139 12.3 10.1 15.1

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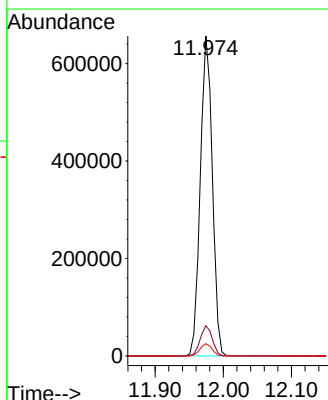
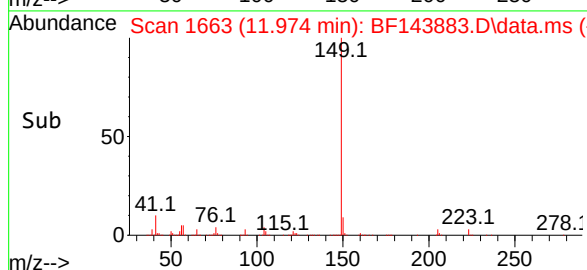
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

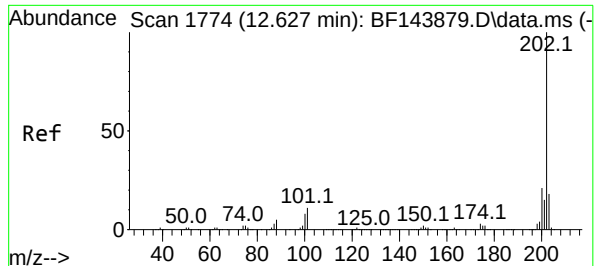


#74
Di-n-butylphthalate
Concen: 37.171 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08



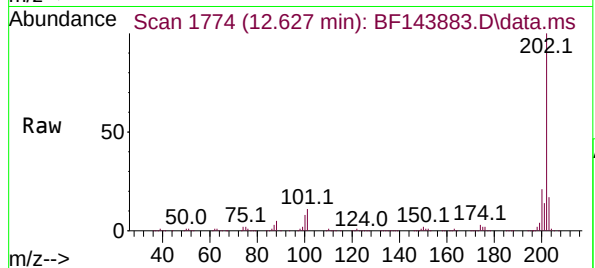
Tgt Ion:149 Resp: 806451
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 3.9 3.4 5.2





#75
Fluoranthene
Concen: 36.019 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

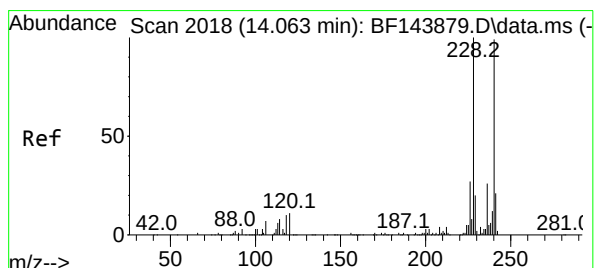
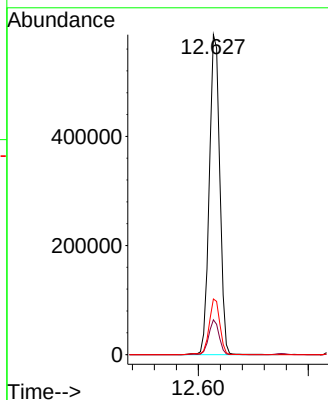
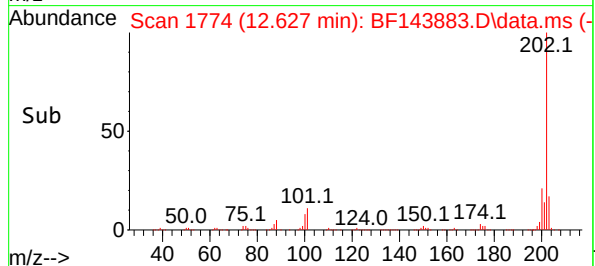
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



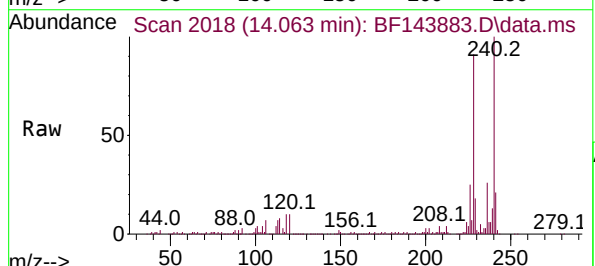
Tgt Ion:202 Resp: 778418
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.7
203 17.4 0.0 37.8

Manual Integrations
APPROVED

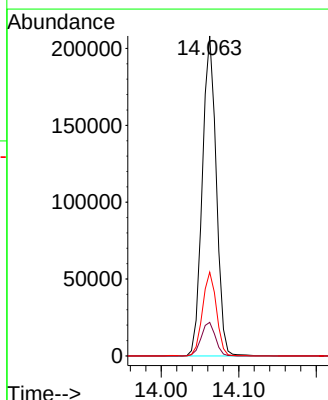
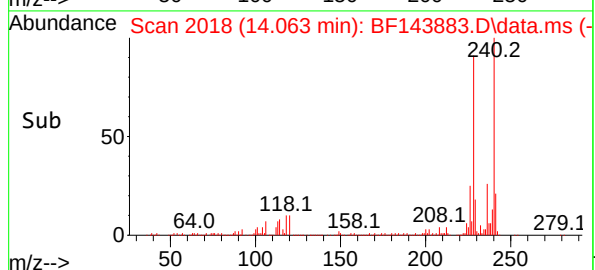
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

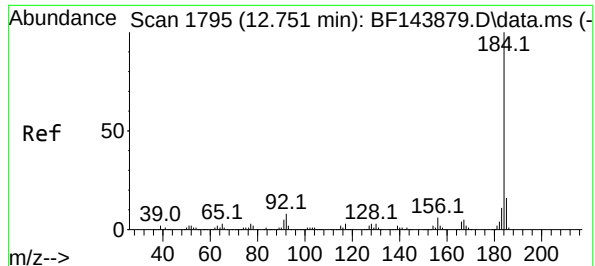


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08



Tgt Ion:240 Resp: 259802
Ion Ratio Lower Upper
240 100
120 10.5 8.6 13.0
236 26.2 21.1 31.7





#77

Benzidine

Concen: 45.411 ng

RT: 12.751 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:184 Resp: 409653

Ion Ratio Lower Upper

184 100

185 14.7 12.6 18.8

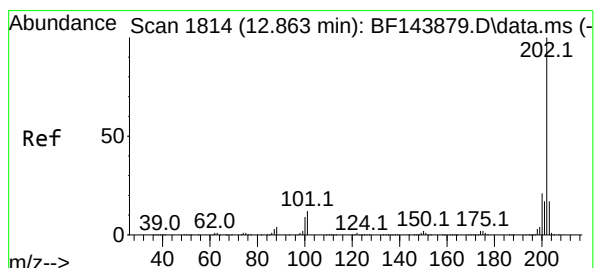
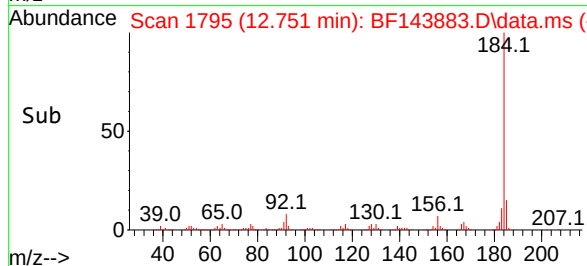
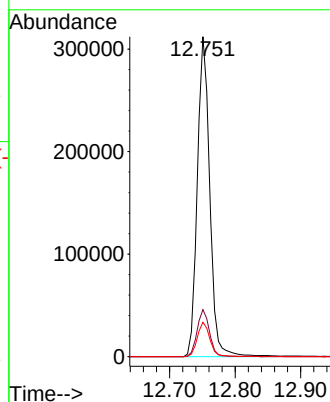
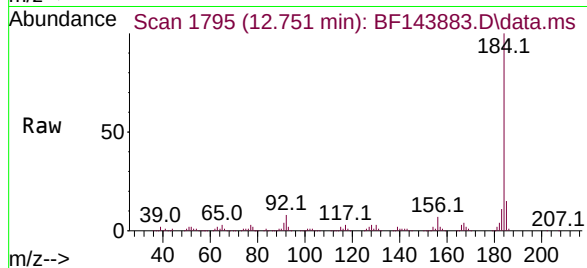
183 10.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#78

Pyrene

Concen: 36.431 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

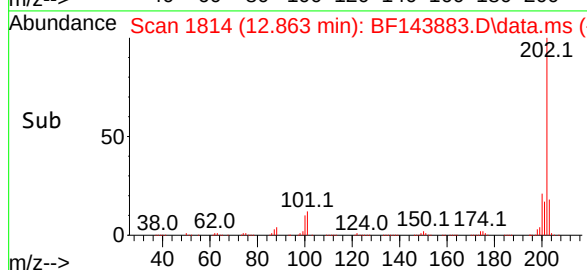
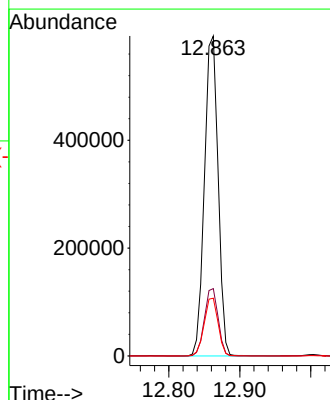
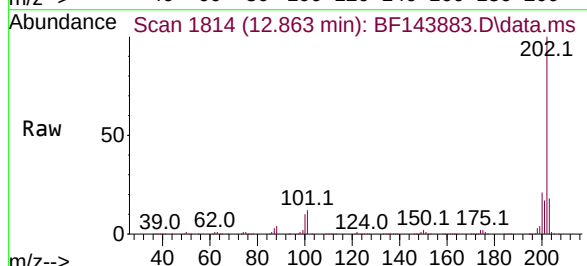
Tgt Ion:202 Resp: 789075

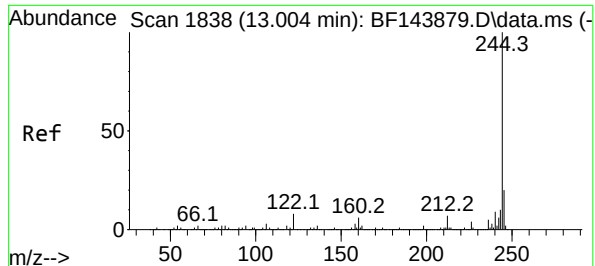
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 18.0 13.8 20.6





#79

Terphenyl-d14

Concen: 74.443 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:244 Resp: 1131636

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

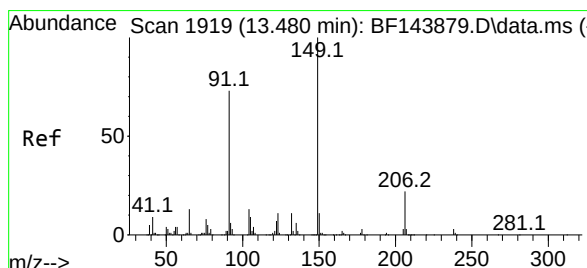
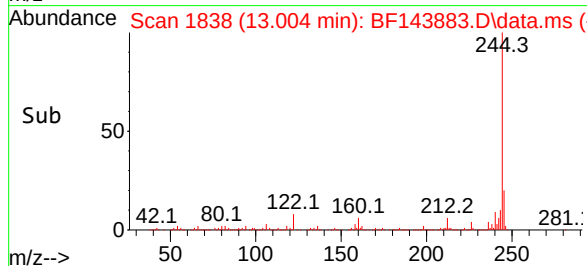
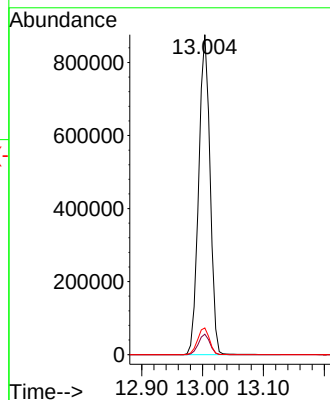
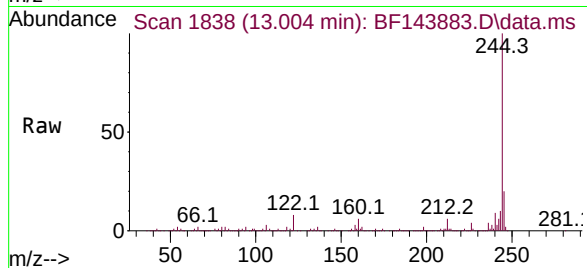
122 8.3 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#80

Butylbenzylphthalate

Concen: 38.986 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

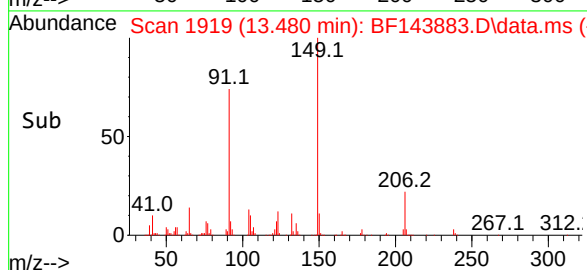
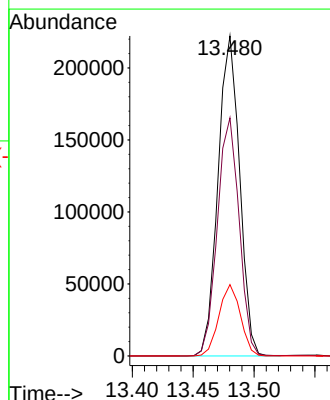
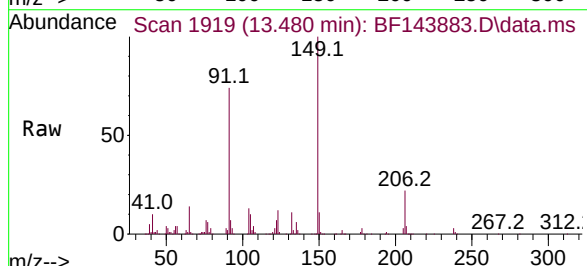
Tgt Ion:149 Resp: 274237

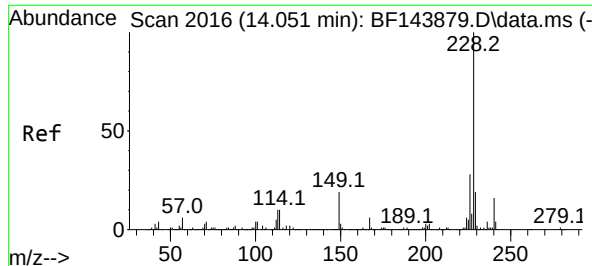
Ion Ratio Lower Upper

149 100

91 74.4 58.2 87.2

206 22.3 17.9 26.9





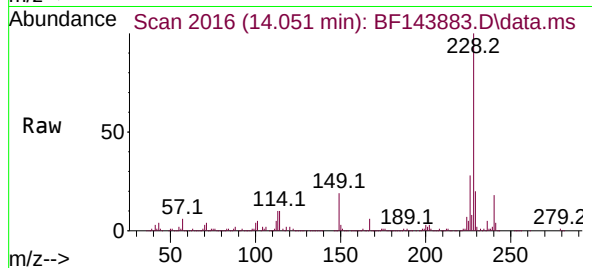
#81
Benzo(a)anthracene
Concen: 36.142 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

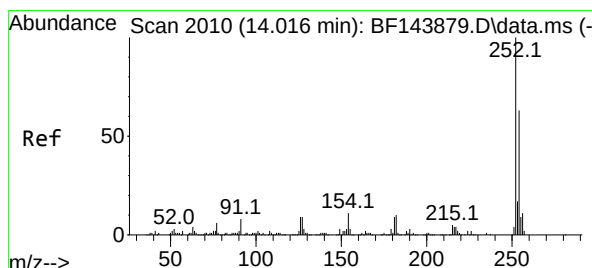
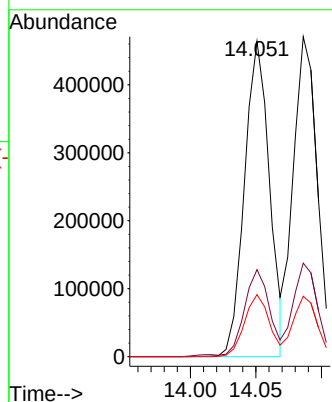
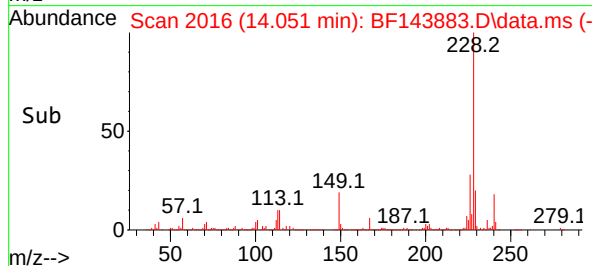
ICVBF100625



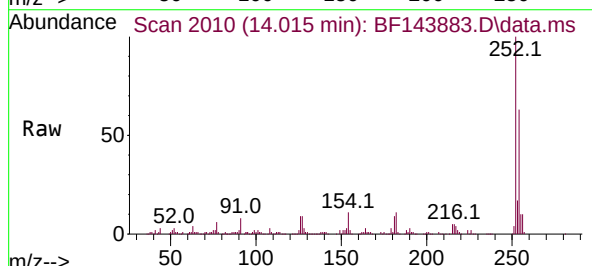
Tgt Ion:228 Resp: 614473
Ion Ratio Lower Upper
228 100
226 27.6 22.2 33.2
229 19.7 15.6 23.4

Manual Integrations
APPROVED

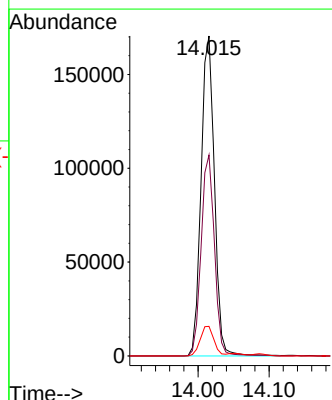
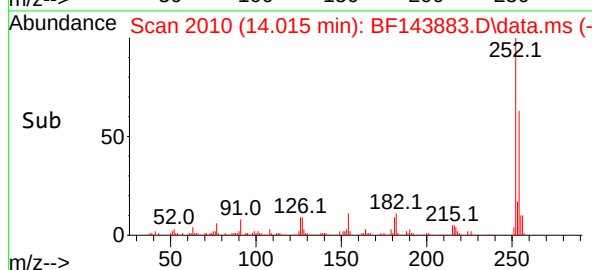
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

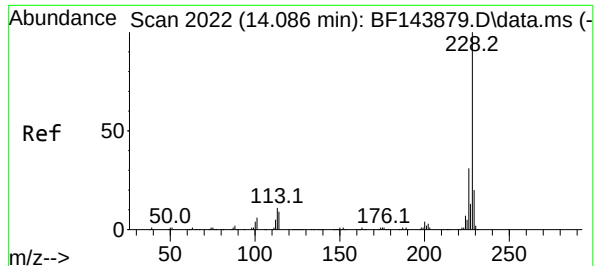


#82
3,3'-Dichlorobenzidine
Concen: 42.747 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08



Tgt Ion:252 Resp: 221480
Ion Ratio Lower Upper
252 100
254 62.8 50.6 76.0
126 9.2 7.0 10.6





#83

Chrysene

Concen: 37.792 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:228 Resp: 594668

Ion Ratio Lower Upper

228 100

226 29.2 24.4 36.6

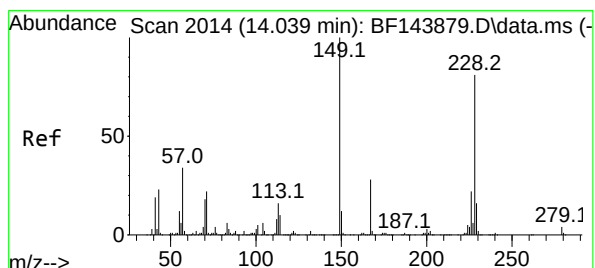
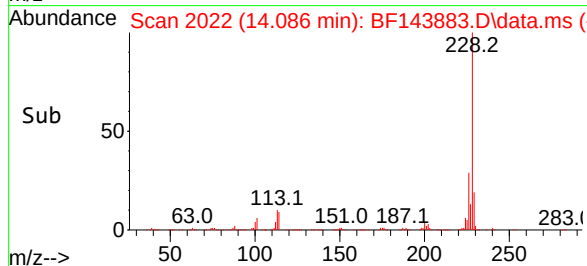
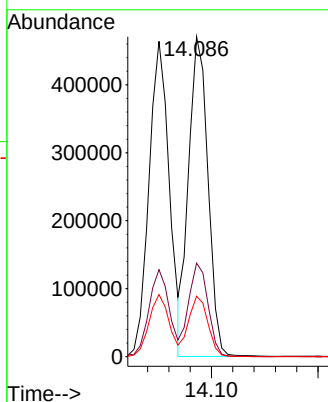
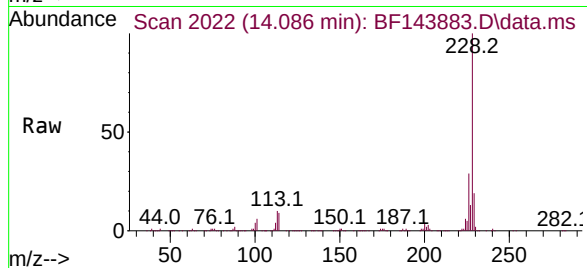
229 18.9 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.560 ng

RT: 14.039 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

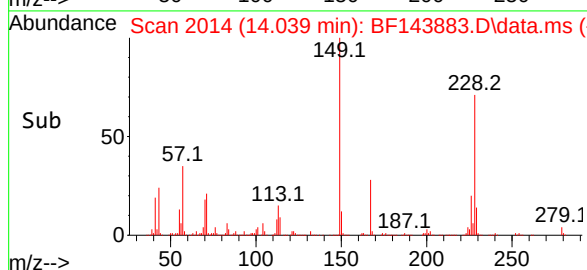
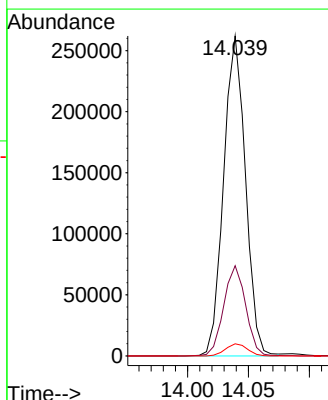
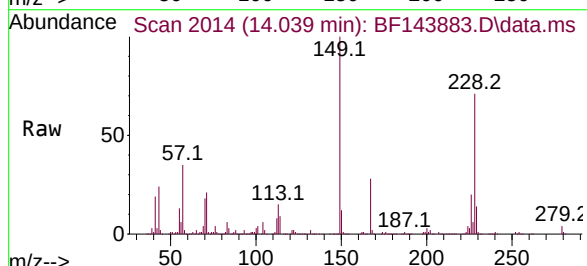
Tgt Ion:149 Resp: 326966

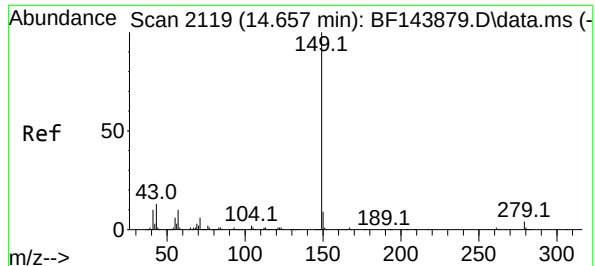
Ion Ratio Lower Upper

149 100

167 28.2 22.2 33.4

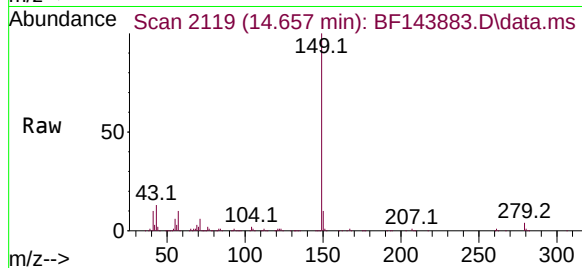
279 3.8 3.1 4.7





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

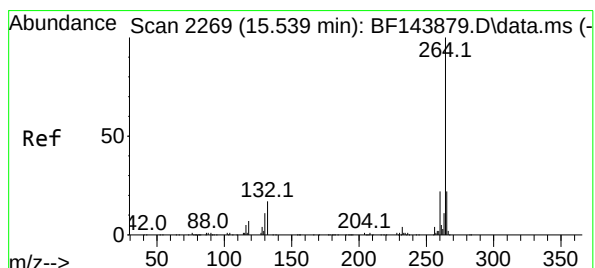
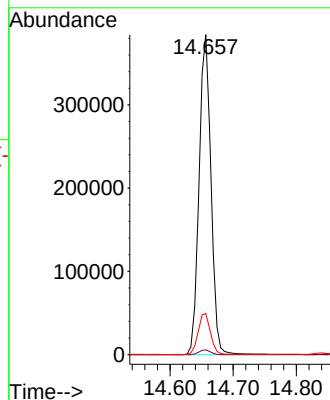
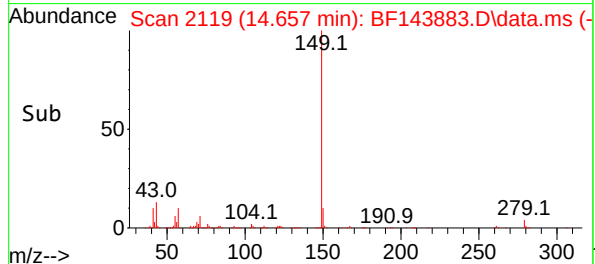
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:149 Resp: 502989
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 13.2 11.0 16.4

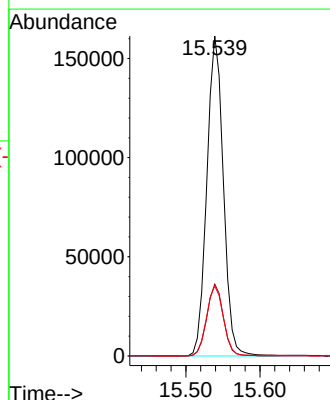
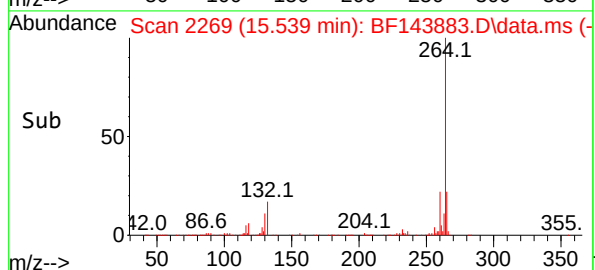
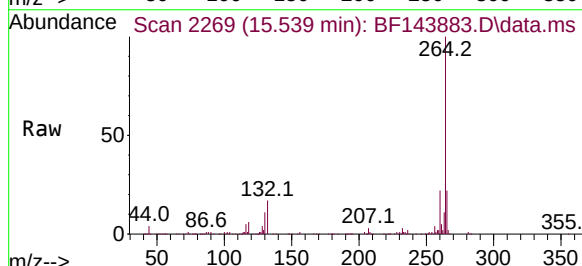
Manual Integrations
APPROVED

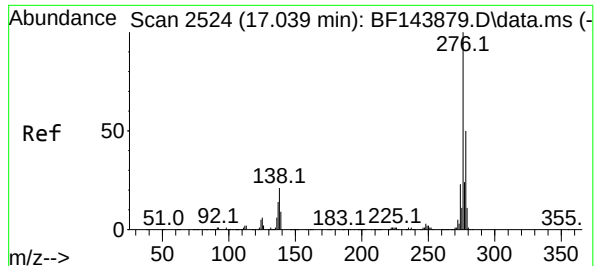
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:264 Resp: 249446
Ion Ratio Lower Upper
264 100
260 22.4 17.8 26.8
265 21.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 36.867 ng

RT: 17.033 min Scan# 2195

Delta R.T. -0.023 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:276 Resp: 563492

Ion Ratio Lower Upper

276 100

138 23.7 18.2 27.2

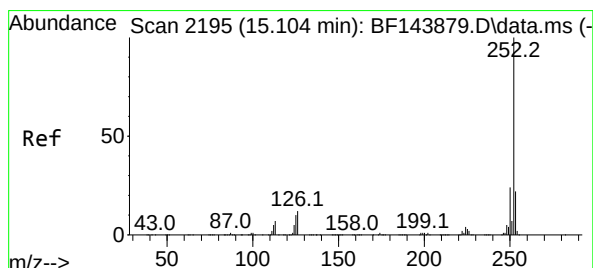
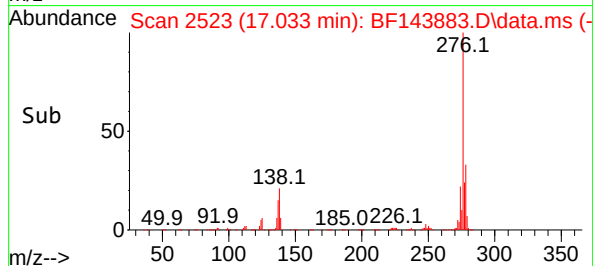
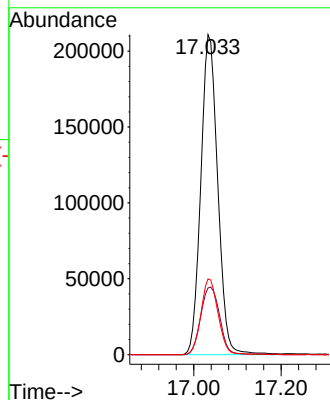
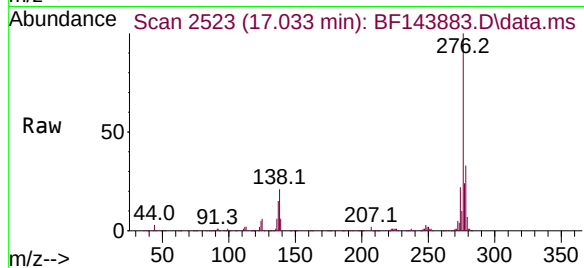
277 23.8 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#88

Benzo(b)fluoranthene

Concen: 37.533 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

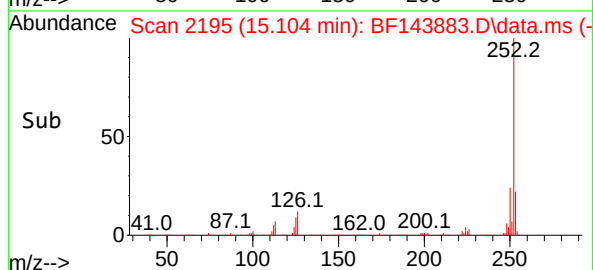
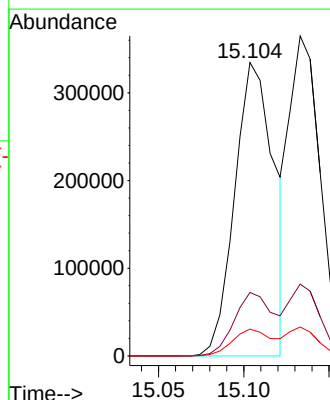
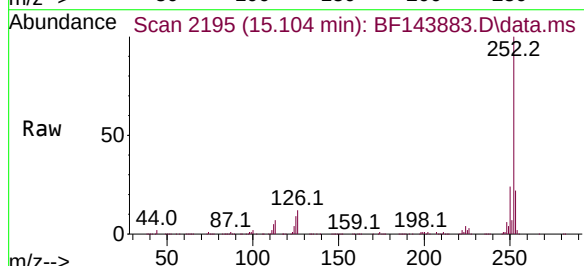
Tgt Ion:252 Resp: 537814

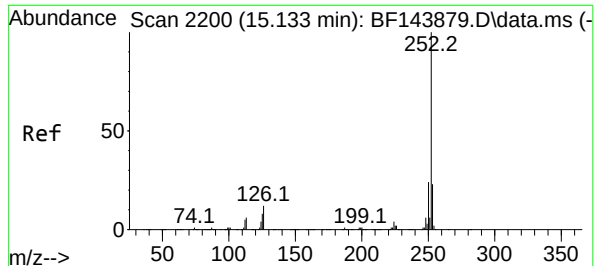
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 9.1 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 35.252 ng

RT: 15.133 min Scan# 2200

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:252 Resp: 467396

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

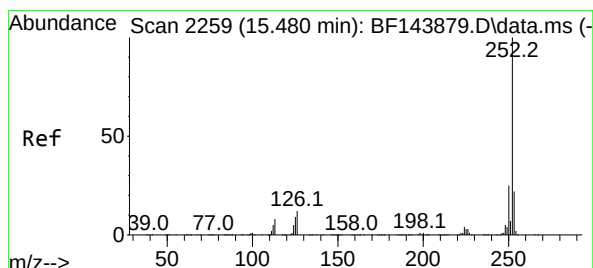
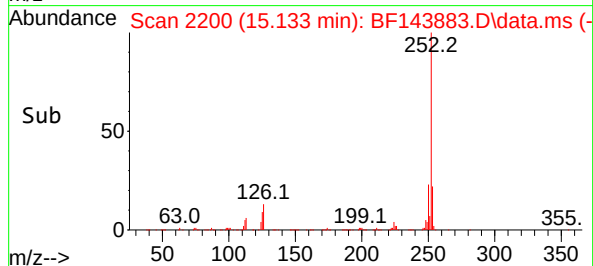
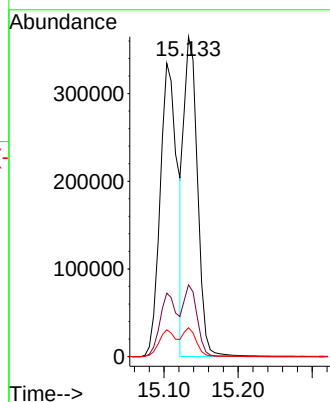
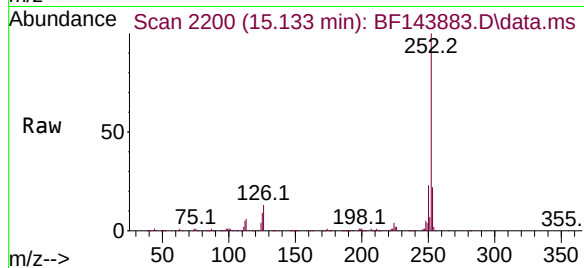
125 9.0 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#90

Benzo(a)pyrene

Concen: 37.900 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

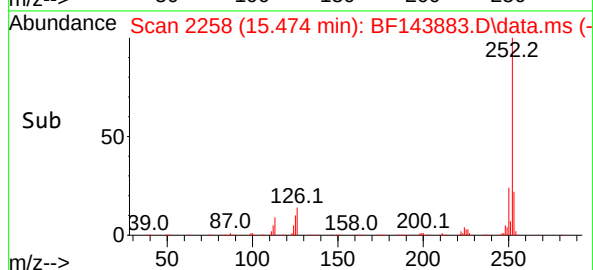
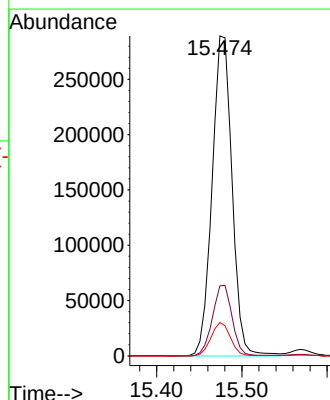
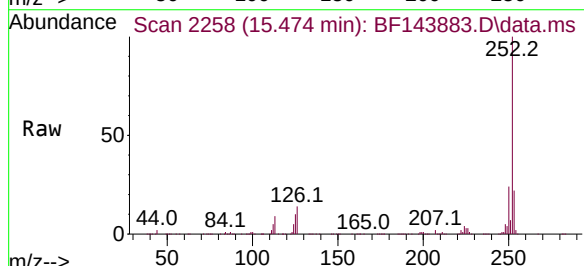
Tgt Ion:252 Resp: 470896

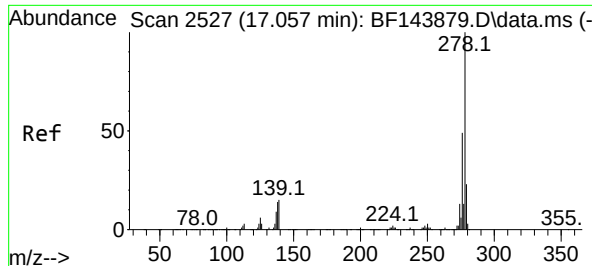
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 10.4 7.0 10.4





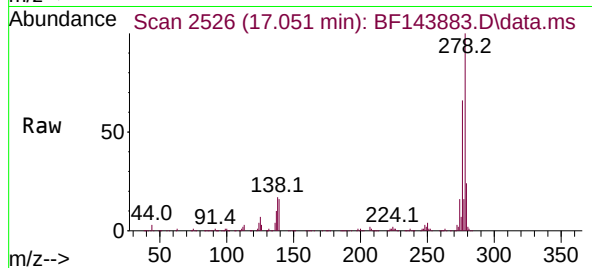
#91
Dibenzo(a,h)anthracene
Concen: 36.995 ng
RT: 17.051 min Scan# 2527
Delta R.T. -0.029 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

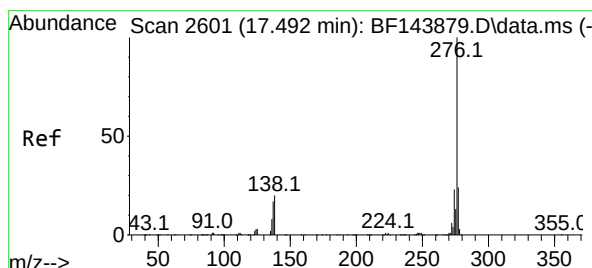
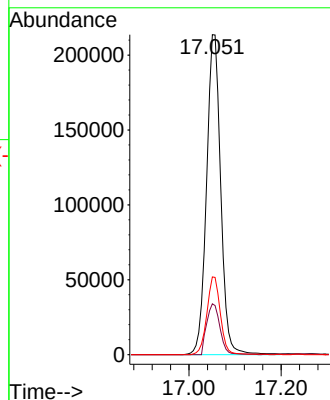
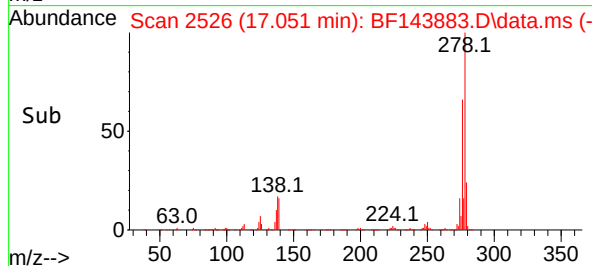
ICVBF100625



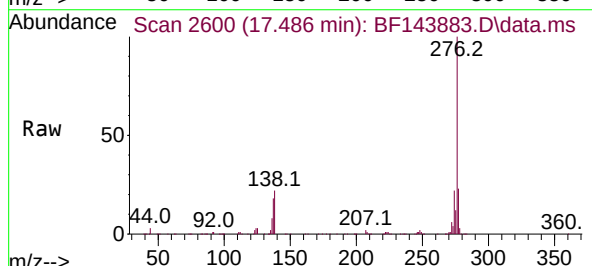
Tgt Ion:278 Resp: 454776
Ion Ratio Lower Upper
278 100
139 15.9 11.7 17.5
279 24.3 18.4 27.6

Manual Integrations
APPROVED

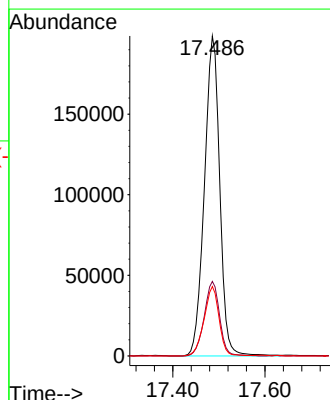
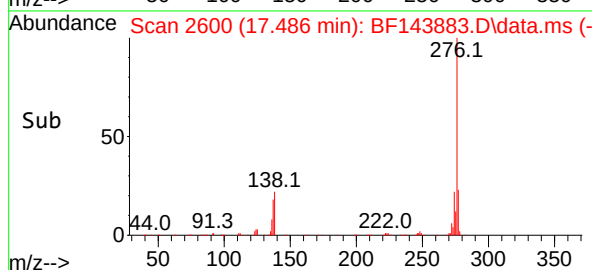
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 37.162 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.029 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08



Tgt Ion:276 Resp: 456833
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.6
138 21.7 16.1 24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
2	1,4-Dioxane	0.583	0.543	6.9	82	0.00
3	Pyridine	1.697	1.496	11.8	78	0.00
4	n-Nitrosodimethylamine	0.893	0.858	3.9	87	-0.03
5 S	2-Fluorophenol	1.259	1.179	6.4	83	0.00
6	Aniline	2.250	2.134	5.2	84	0.00
7 S	Phenol-d6	1.501	1.398	6.9	83	-0.02
8	2-Chlorophenol	1.231	1.173	4.7	83	0.00
9	Benzaldehyde	1.158	1.075	7.2	74	0.00
10 C	Phenol	1.795	1.683	6.2	84	-0.02
11	bis(2-Chloroethyl)ether	1.386	1.267	8.6	81	-0.01
12	1,3-Dichlorobenzene	1.474	1.394	5.4	84	0.00
13 C	1,4-Dichlorobenzene	1.454	1.395	4.1	86	0.00
14	1,2-Dichlorobenzene	1.392	1.380	0.9	88	0.00
15	Benzyl Alcohol	1.125	1.096	2.6	86	-0.01
16	2,2'-oxybis(1-Chloropropane	3.156	2.964	6.1	84	0.00
17	2-Methylphenol	1.017	0.976	4.0	85	0.00
18	Hexachloroethane	0.485	0.458	5.6	84	0.00
19 P	n-Nitroso-di-n-propylamine	1.028	0.941	8.5	84	-0.02
20	3+4-Methylphenols	1.179	1.176	0.3	85	-0.02
21 I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22	Acetophenone	0.423	0.399	5.7	86	-0.01
23 S	Nitrobenzene-d5	0.329	0.306	7.0	83	-0.01
24	Nitrobenzene	0.366	0.345	5.7	82	-0.01
25	Isophorone	0.694	0.613	11.7	81	-0.02
26 C	2-Nitrophenol	0.157	0.152	3.2	82	0.00
27	2,4-Dimethylphenol	0.282	0.288	-2.1	91	-0.01
28	bis(2-Chloroethoxy)methane	0.438	0.402	8.2	85	-0.01
29 C	2,4-Dichlorophenol	0.294	0.271	7.8	83	-0.01
30	1,2,4-Trichlorobenzene	0.289	0.271	6.2	85	0.00
31	Naphthalene	0.910	0.834	8.4	84	0.00
32	Benzoic acid	0.195	0.172	11.8	80	-0.06
33	4-Chloroaniline	0.341	0.358	-5.0	94	0.00
34 C	Hexachlorobutadiene	0.201	0.177	11.9	80	0.00
35	Caprolactam	0.093	0.088	5.4	86	-0.05
36 C	4-Chloro-3-methylphenol	0.282	0.254	9.9	83	-0.01
37	2-Methylnaphthalene	0.606	0.504	16.8	76	0.00
38	1-Methylnaphthalene	0.588	0.518	11.9	80	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.513	7.2	83	0.00
41 P	Hexachlorocyclopentadiene	0.229	0.281	-22.7	104	0.00
42 S	2,4,6-Tribromophenol	0.199	0.178	10.6	82	0.00
43 C	2,4,6-Trichlorophenol	0.404	0.371	8.2	79	-0.01
44	2,4,5-Trichlorophenol	0.427	0.376	11.9	78	-0.01
45 S	2-Fluorobiphenyl	1.260	1.065	15.5	83	-0.01
46	1,1'-Biphenyl	1.324	1.217	8.1	84	0.00
47	2-Chloronaphthalene	1.104	1.006	8.9	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.349	0.339	2.9	83	0.00
49	Acenaphthylene	1.552	1.585	-2.1	93	0.00
50	Dimethylphthalate	1.270	1.142	10.1	84	0.00
51	2,6-Dinitrotoluene	0.236	0.247	-4.7	90	-0.01
52 C	Acenaphthene	1.017	0.913	10.2	83	0.00
53	3-Nitroaniline	0.288	0.292	-1.4	91	-0.01
54 P	2,4-Dinitrophenol	0.118	0.107	9.3	85	-0.01
55	Dibenzofuran	1.436	1.318	8.2	84	0.00
56 P	4-Nitrophenol	0.218	0.201	7.8	82	-0.02
57	2,4-Dinitrotoluene	0.320	0.330	-3.1	86	-0.01
58	Fluorene	1.083	0.962	11.2	84	0.00
59	2,3,4,6-Tetrachlorophenol	0.302	0.291	3.6	85	-0.05
60	Diethylphthalate	1.180	1.077	8.7	84	0.00
61	4-Chlorophenyl-phenylether	0.573	0.517	9.8	83	0.00
62	4-Nitroaniline	0.277	0.257	7.2	84	-0.02
63	Azobenzene	1.233	1.136	7.9	85	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65	4,6-Dinitro-2-methylphenol	0.101	0.093	7.9	82	-0.02
66 c	n-Nitrosodiphenylamine	0.628	0.575	8.4	85	-0.01
67	4-Bromophenyl-phenylether	0.221	0.188	14.9	79	0.00
68	Hexachlorobenzene	0.256	0.220	14.1	80	0.00
69	Atrazine	0.190	0.186	2.1	93	-0.01
70 C	Pentachlorophenol	0.147	0.122	17.0	75	0.00
71	Phenanthrene	0.970	0.862	11.1	86	0.00
72	Anthracene	0.980	0.888	9.4	84	0.00
73	Carbazole	0.868	0.786	9.4	86	0.00
74	Di-n-butylphthalate	1.005	0.934	7.1	86	0.00
75 C	Fluoranthene	1.002	0.902	10.0	85	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77	Benzidine	0.694	0.788	-13.5	106	0.00
78	Pyrene	1.667	1.519	8.9	83	0.00
79 S	Terphenyl-d14	1.170	1.089	6.9	87	0.00
80	Butylbenzylphthalate	0.542	0.528	2.6	87	0.00
81	Benzo(a)anthracene	1.309	1.183	9.6	86	0.00
82	3,3'-Dichlorobenzidine	0.399	0.426	-6.8	99	0.00
83	Chrysene	1.211	1.144	5.5	90	0.00
84	Bis(2-ethylhexyl)phthalate	0.653	0.629	3.7	87	0.00
85 c	Di-n-octyl phthalate	1.072	0.968	9.7	83	0.00
86 I	Perylene-d12	1.000	1.000	0.0	99	0.00
87	Indeno(1,2,3-cd)pyrene	1.225	1.129	7.8	81	-0.02
88	Benzo(b)fluoranthene	1.149	1.078	6.2	84	-0.01
89	Benzo(k)fluoranthene	1.063	0.937	11.9	84	-0.01
90 C	Benzo(a)pyrene	0.996	0.944	5.2	85	-0.01
91	Dibenzo(a,h)anthracene	0.986	0.912	7.5	80	-0.03
92	Benzo(g,h,i)perylene	0.986	0.916	7.1	81	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	92	0.00
2	1,4-Dioxane	40.000	37.256	6.9	82	0.00
3	Pyridine	40.000	35.261	11.8	78	0.00
4	n-Nitrosodimethylamine	40.000	38.456	3.9	87	-0.03
5 S	2-Fluorophenol	80.000	74.908	6.4	83	0.00
6	Aniline	40.000	37.937	5.2	84	0.00
7 S	Phenol-d6	80.000	74.487	6.9	83	-0.02
8	2-Chlorophenol	40.000	38.116	4.7	83	0.00
9	Benzaldehyde	40.000	37.141	7.1	74	0.00
10 C	Phenol	40.000	37.501	6.2	84	-0.02
11	bis(2-Chloroethyl)ether	40.000	36.561	8.6	81	-0.01
12	1,3-Dichlorobenzene	40.000	37.828	5.4	84	0.00
13 C	1,4-Dichlorobenzene	40.000	38.392	4.0	86	0.00
14	1,2-Dichlorobenzene	40.000	39.655	0.9	88	0.00
15	Benzyl Alcohol	40.000	38.974	2.6	86	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	37.568	6.1	84	0.00
17	2-Methylphenol	40.000	38.352	4.1	85	0.00
18	Hexachloroethane	40.000	37.755	5.6	84	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.612	8.5	84	-0.02
20	3+4-Methylphenols	40.000	39.880	0.3	85	-0.02
21 I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22	Acetophenone	40.000	37.713	5.7	86	-0.01
23 S	Nitrobenzene-d5	80.000	74.330	7.1	83	-0.01
24	Nitrobenzene	40.000	37.727	5.7	82	-0.01
25	Isophorone	40.000	35.347	11.6	81	-0.02
26 C	2-Nitrophenol	40.000	38.717	3.2	82	0.00
27	2,4-Dimethylphenol	40.000	40.847	-2.1	91	-0.01
28	bis(2-Chloroethoxy)methane	40.000	36.639	8.4	85	-0.01
29 C	2,4-Dichlorophenol	40.000	36.899	7.8	83	-0.01
30	1,2,4-Trichlorobenzene	40.000	37.503	6.2	85	0.00
31	Naphthalene	40.000	36.679	8.3	84	0.00
32	Benzoic acid	40.000	35.162	12.1	80	-0.06
33	4-Chloroaniline	40.000	41.950	-4.9	94	0.00
34 C	Hexachlorobutadiene	40.000	35.201	12.0	80	0.00
35	Caprolactam	40.000	37.736	5.7	86	-0.05
36 C	4-Chloro-3-methylphenol	40.000	36.079	9.8	83	-0.01
37	2-Methylnaphthalene	40.000	33.257	16.9	76	0.00
38	1-Methylnaphthalene	40.000	35.269	11.8	80	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.122	7.2	83	0.00
41 P	Hexachlorocyclopentadiene	40.000	48.984	-22.5	104	0.00
42 S	2,4,6-Tribromophenol	80.000	71.685	10.4	82	0.00
43 C	2,4,6-Trichlorophenol	40.000	36.726	8.2	79	-0.01
44	2,4,5-Trichlorophenol	40.000	35.194	12.0	78	-0.01
45 S	2-Fluorobiphenyl	80.000	67.621	15.5	83	-0.01
46	1,1'-Biphenyl	40.000	36.770	8.1	84	0.00
47	2-Chloronaphthalene	40.000	36.454	8.9	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	38.894	2.8	83	0.00
49	Acenaphthylene	40.000	40.859	-2.1	93	0.00
50	Dimethylphthalate	40.000	35.968	10.1	84	0.00
51	2,6-Dinitrotoluene	40.000	41.967	-4.9	90	-0.01
52 C	Acenaphthene	40.000	35.913	10.2	83	0.00
53	3-Nitroaniline	40.000	40.493	-1.2	91	-0.01
54 P	2,4-Dinitrophenol	40.000	33.731	15.7	85	-0.01
55	Dibenzofuran	40.000	36.717	8.2	84	0.00
56 P	4-Nitrophenol	40.000	36.850	7.9	82	-0.02
57	2,4-Dinitrotoluene	40.000	41.169	-2.9	86	-0.01
58	Fluorene	40.000	35.527	11.2	84	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.488	3.8	85	-0.05
60	Diethylphthalate	40.000	36.501	8.7	84	0.00
61	4-Chlorophenyl-phenylether	40.000	36.113	9.7	83	0.00
62	4-Nitroaniline	40.000	37.074	7.3	84	-0.02
63	Azobenzene	40.000	36.837	7.9	85	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.083	7.3	82	-0.02
66 c	n-Nitrosodiphenylamine	40.000	36.649	8.4	85	-0.01
67	4-Bromophenyl-phenylether	40.000	33.973	15.1	79	0.00
68	Hexachlorobenzene	40.000	34.415	14.0	80	0.00
69	Atrazine	40.000	39.016	2.5	93	-0.01
70 C	Pentachlorophenol	40.000	33.097	17.3	75	0.00
71	Phenanthrene	40.000	35.542	11.1	86	0.00
72	Anthracene	40.000	36.273	9.3	84	0.00
73	Carbazole	40.000	36.246	9.4	86	0.00
74	Di-n-butylphthalate	40.000	37.171	7.1	86	0.00
75 C	Fluoranthene	40.000	36.019	10.0	85	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77	Benzidine	40.000	45.411	-13.5	106	0.00
78	Pyrene	40.000	36.431	8.9	83	0.00
79 S	Terphenyl-d14	80.000	74.443	6.9	87	0.00
80	Butylbenzylphthalate	40.000	38.986	2.5	87	0.00
81	Benzo(a)anthracene	40.000	36.142	9.6	86	0.00
82	3,3'-Dichlorobenzidine	40.000	42.747	-6.9	99	0.00
83	Chrysene	40.000	37.792	5.5	90	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.560	3.6	87	0.00
85 c	Di-n-octyl phthalate	40.000	36.116	9.7	83	0.00
86 I	Perylene-d12	20.000	20.000	0.0	99	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	36.867	7.8	81	-0.02
88	Benzo(b)fluoranthene	40.000	37.533	6.2	84	-0.01
89	Benzo(k)fluoranthene	40.000	35.252	11.9	84	-0.01
90 C	Benzo(a)pyrene	40.000	37.900	5.3	85	-0.01
91	Dibenzo(a,h)anthracene	40.000	36.995	7.5	80	-0.03
92	Benzo(g,h,i)perylene	40.000	37.162	7.1	81	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/21/2025 13:29</u>
Lab File ID:	<u>BF144009.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.299		3.2	
Benzaldehyde	1.158	1.203		3.9	
Phenol-d6	1.501	1.494		-0.5	
Phenol	1.795	1.901		5.9	20.0
bis(2-Chloroethyl)ether	1.386	1.376		-0.7	
2-Chlorophenol	1.231	1.267		2.9	
2-Methylphenol	1.017	1.009		-0.8	
2,2-oxybis(1-Chloropropane)	3.156	3.225		2.2	
Acetophenone	0.423	0.409		-3.3	
3+4-Methylphenols	1.179	1.177		-0.2	
n-Nitroso-di-n-propylamine	1.028	0.983	0.050	-4.4	
Nitrobenzene-d5	0.329	0.341		3.6	
Hexachloroethane	0.485	0.486		0.2	
Nitrobenzene	0.366	0.382		4.4	
Isophorone	0.694	0.664		-4.3	
2-Nitrophenol	0.157	0.182		15.9	20.0
2,4-Dimethylphenol	0.282	0.290		2.8	
bis(2-Chloroethoxy)methane	0.438	0.433		-1.1	
2,4-Dichlorophenol	0.294	0.295		0.3	20.0
Naphthalene	0.910	0.902		-0.9	
4-Chloroaniline	0.341	0.341		0.0	
Hexachlorobutadiene	0.201	0.197		-2.0	20.0
Caprolactam	0.093	0.095		2.2	
4-Chloro-3-methylphenol	0.282	0.281		-0.4	20.0
2-Methylnaphthalene	0.606	0.599		-1.2	
Hexachlorocyclopentadiene	0.229	0.224	0.050	-2.2	
2,4,6-Trichlorophenol	0.404	0.394		-2.5	20.0
2-Fluorobiphenyl	1.260	1.174		-6.8	
2,4,5-Trichlorophenol	0.427	0.432		1.2	
1,1-Biphenyl	1.324	1.283		-3.1	
2-Chloronaphthalene	1.104	1.099		-0.5	
2-Nitroaniline	0.349	0.372		6.6	
Dimethylphthalate	1.270	1.246		-1.9	
Acenaphthylene	1.552	1.531		-1.4	
2,6-Dinitrotoluene	0.236	0.265		12.3	
3-Nitroaniline	0.288	0.299		3.8	
Acenaphthene	1.017	0.980		-3.6	20.0
2,4-Dinitrophenol	0.118	0.105	0.050	-11.0	
4-Nitrophenol	0.218	0.197	0.050	-9.6	



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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02
 Lab Code: ACE SDG No.: Q3393
 Instrument ID: BNA_F Calibration Date/Time: 10/21/2025 13:29
 Lab File ID: BF144009.D Init. Calib. Date(s): 10/06/2025 10/06/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.413		-1.6	
2,4-Dinitrotoluene	0.320	0.350		9.4	
Diethylphthalate	1.180	1.127		-4.5	
4-Chlorophenyl-phenylether	0.573	0.561		-2.1	
Fluorene	1.083	1.053		-2.9	
4-Nitroaniline	0.277	0.278		0.4	
4,6-Dinitro-2-methylphenol	0.101	0.109		7.9	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.191		-4.0	
4-Bromophenyl-phenylether	0.221	0.213		-3.6	
Hexachlorobenzene	0.256	0.249		-2.7	
Atrazine	0.190	0.184		-3.2	
Pentachlorophenol	0.147	0.129		-12.2	20.0
Phenanthrene	0.970	0.933		-3.8	
Anthracene	0.980	0.987		0.7	
Carbazole	0.868	0.845		-2.7	
Di-n-butylphthalate	1.005	1.014		0.9	
Fluoranthene	1.002	0.960		-4.2	20.0
Pyrene	1.667	1.805		8.3	
Terphenyl-d14	1.170	1.282		9.6	
Butylbenzylphthalate	0.542	0.567		4.6	
3,3-Dichlorobenzidine	0.399	0.400		0.3	
Benzo (a) anthracene	1.309	1.372		4.8	
Chrysene	1.211	1.172		-3.2	
Bis (2-ethylhexyl) phthalate	0.653	0.671		2.8	
Di-n-octyl phthalate	1.072	1.175		9.6	20.0
Benzo (b) fluoranthene	1.149	1.144		-0.4	
Benzo (k) fluoranthene	1.063	0.968		-8.9	
Benzo (a) pyrene	0.996	1.033		3.7	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.420		15.9	
Dibenzo (a,h) anthracene	0.986	1.157		17.3	
Benzo (g,h,i) perylene	0.986	1.143		15.9	
1,2,4,5-Tetrachlorobenzene	0.553	0.559		1.1	
1,4-Dioxane	0.583	0.600		2.9	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.299		-1.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	126907	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	483648	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	263342	20.00	ng	0.00
64) Phenanthrene-d10	11.416	188	430811	20.00	ng	0.00
76) Chrysene-d12	14.063	240	235758	20.00	ng	0.00
86) Perylene-d12	15.545	264	243917	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	659598	82.54	ng	0.00
7) Phenol-d6	6.510	99	758257	79.60	ng	0.00
23) Nitrobenzene-d5	7.445	82	659772	82.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	201018	76.64	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1236786	74.52	ng	-0.01
79) Terphenyl-d14	13.004	244	1208859	87.63	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	152307	41.18	ng	95
3) Pyridine	3.404	79	433211	40.24	ng	99
4) n-Nitrosodimethylamine	3.357	42	214136	37.81	ng	96
6) Aniline	6.545	93	562479	39.41	ng	98
8) 2-Chlorophenol	6.663	128	321477	41.15	ng	99
9) Benzaldehyde	6.434	77	305342	41.55	ng	100
10) Phenol	6.522	94	482522	42.37	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	349275	39.70	ng	96
12) 1,3-Dichlorobenzene	6.822	146	371419	39.72	ng	99
13) 1,4-Dichlorobenzene	6.898	146	363777	39.44	ng	100
14) 1,2-Dichlorobenzene	7.051	146	358067	40.53	ng	99
15) Benzyl Alcohol	7.022	79	284416	39.85	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	818434	40.87	ng	100
17) 2-Methylphenol	7.134	107	256143	39.68	ng	98
18) Hexachloroethane	7.392	117	123432	40.13	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	249549	38.27	ng	99
20) 3+4-Methylphenols	7.287	107	298653	39.91	ng	# 79
22) Acetophenone	7.292	105	395279	38.65	ng	99
24) Nitrobenzene	7.463	77	369646	41.81	ng	99
25) Isophorone	7.704	82	642035	38.25	ng	98
26) 2-Nitrophenol	7.781	139	175637	46.34	ng	97
27) 2,4-Dimethylphenol	7.816	122	280851	41.19	ng	96
28) bis(2-Chloroethoxy)met...	7.910	93	419161	39.53	ng	98
29) 2,4-Dichlorophenol	8.022	162	284947	40.12	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	278910	39.93	ng	100
31) Naphthalene	8.186	128	872696	39.67	ng	99
32) Benzoic acid	7.922	122	177272	37.57	ng	97
33) 4-Chloroaniline	8.233	127	329949	39.99	ng	99
34) Hexachlorobutadiene	8.304	225	190984	39.35	ng	98
35) Caprolactam	8.604	113	91608	40.57	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	271348	39.78	ng	98
37) 2-Methylnaphthalene	8.881	142	579595	39.55	ng	99
38) 1-Methylnaphthalene	8.980	142	554429	39.00	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	294341	40.44	ng	99
41) Hexachlorocyclopentadiene	9.033	237	117733	38.99	ng	96
43) 2,4,6-Trichlorophenol	9.157	196	207739	39.06	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144009.D
 Acq On : 21 Oct 2025 13:29
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 21 13:57:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	227628	40.50	ng	99
46) 1,1'-Biphenyl	9.345	154	675634	38.75	ng	99
47) 2-Chloronaphthalene	9.369	162	579022	39.83	ng	97
48) 2-Nitroaniline	9.463	65	195755	42.59	ng	97
49) Acenaphthylene	9.786	152	806476	39.46	ng	99
50) Dimethylphthalate	9.639	163	656275	39.24	ng	99
51) 2,6-Dinitrotoluene	9.704	165	139509	44.99	ng	97
52) Acenaphthene	9.957	154	516301	38.55	ng	98
53) 3-Nitroaniline	9.875	138	157431	41.46	ng	99
54) 2,4-Dinitrophenol	9.986	184	55464	33.42	ng	92
55) Dibenzofuran	10.127	168	744098	39.36	ng	98
56) 4-Nitrophenol	10.033	139	103581	36.03	ng	98
57) 2,4-Dinitrotoluene	10.110	165	184180	43.65	ng	98
58) Fluorene	10.475	166	554334	38.86	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.245	232	157324	39.55	ng	# 97
60) Diethylphthalate	10.345	149	593454	38.20	ng	98
61) 4-Chlorophenyl-phenyle...	10.463	204	295638	39.20	ng	99
62) 4-Nitroaniline	10.492	138	146339	40.08	ng	93
63) Azobenzene	10.627	77	637557	39.26	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	93751	43.30	ng	97
66) n-Nitrosodiphenylamine	10.580	169	544516	40.25	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	183591	38.56	ng	96
68) Hexachlorobenzene	11.022	284	214871	38.98	ng	99
69) Atrazine	11.110	200	158713	38.71	ng	99
70) Pentachlorophenol	11.216	266	110842	35.01	ng	99
71) Phenanthrene	11.439	178	804054	38.50	ng	99
72) Anthracene	11.492	178	850834	40.32	ng	100
73) Carbazole	11.645	167	728491	38.98	ng	99
74) Di-n-butylphthalate	11.974	149	873478	40.33	ng	99
75) Fluoranthene	12.633	202	827067	38.34	ng	99
77) Benzidine	12.751	184	288239	35.21	ng	97
78) Pyrene	12.863	202	850887	43.29	ng	99
80) Butylbenzylphthalate	13.480	149	267401	41.89	ng	99
81) Benzo(a)anthracene	14.051	228	646917	41.93	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	188768	40.15	ng	99
83) Chrysene	14.092	228	552423	38.69	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	316468	41.13	ng	99
85) Di-n-octyl phthalate	14.657	149	554105	43.84	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	692814	46.35	ng	98
88) Benzo(b)fluoranthene	15.110	252	558030	39.83	ng	99
89) Benzo(k)fluoranthene	15.139	252	472182	36.42	ng	100
90) Benzo(a)pyrene	15.486	252	503690	41.46	ng	# 98
91) Dibenzo(a,h)anthracene	17.074	278	564523	46.96	ng	99
92) Benzo(g,h,i)perylene	17.509	276	557435	46.37	ng	98

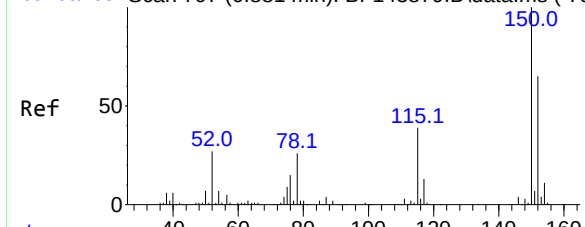
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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

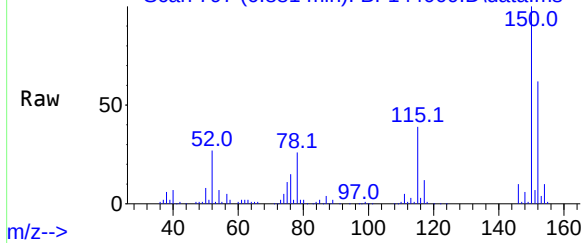


Abundance Scan 797 (6.881 min): BF143879.D\data.ms (-79)



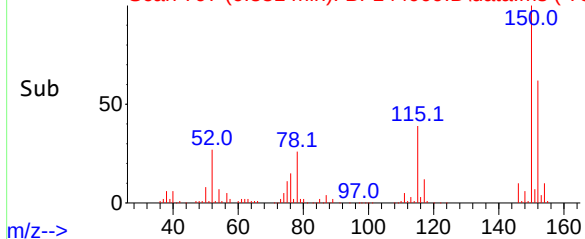
m/z-->

Abundance Scan 797 (6.881 min): BF144009.D\data.ms



m/z-->

Abundance Scan 797 (6.881 min): BF144009.D\data.ms (-78)



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.881 min Scan# 79

Delta R.T. -0.005 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 126907

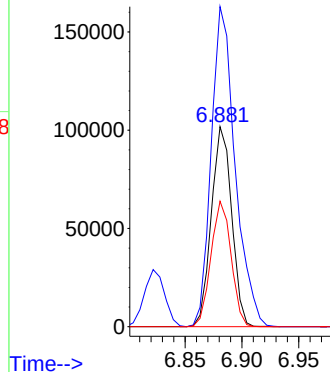
Ion Ratio Lower Upper

152 100

150 160.0 124.4 186.6

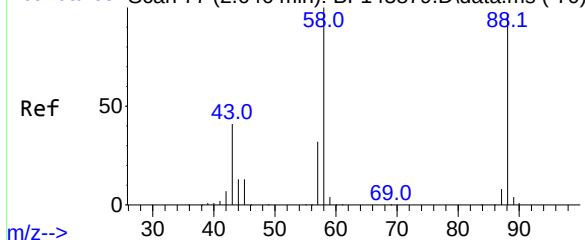
115 62.8 48.1 72.1

Abundance



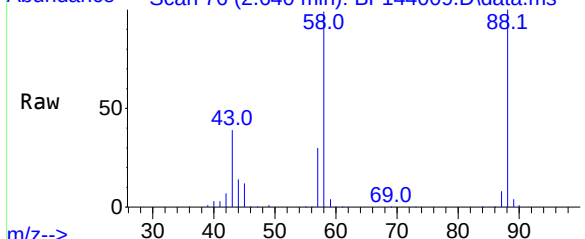
Time-->

Abundance Scan 77 (2.646 min): BF143879.D\data.ms (-70)



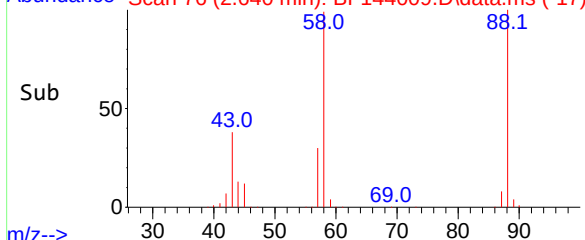
m/z-->

Abundance Scan 76 (2.640 min): BF144009.D\data.ms



m/z-->

Abundance Scan 76 (2.640 min): BF144009.D\data.ms (-17)



m/z-->

#2

1,4-Dioxane

Concen: 41.18 ng

RT: 2.640 min Scan# 76

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion: 88 Resp: 152307

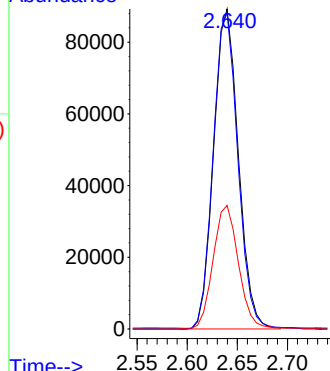
Ion Ratio Lower Upper

88 100

58 98.9 83.0 124.6

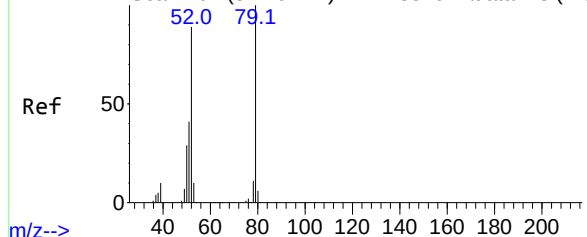
43 39.0 33.9 50.9

Abundance



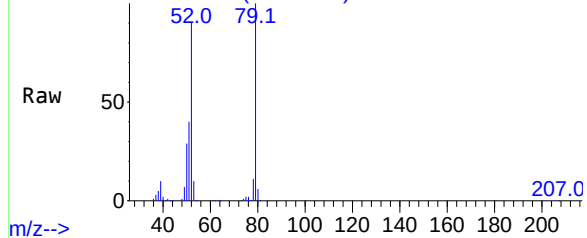
Time-->

Abundance Scan 207 (3.410 min): BF143879.D\data.ms (-20



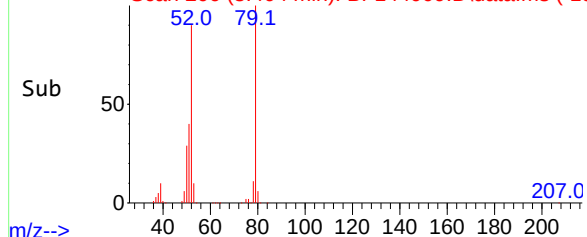
m/z-->

Abundance Scan 206 (3.404 min): BF144009.D\data.ms



m/z-->

Abundance Scan 206 (3.404 min): BF144009.D\data.ms (-19



m/z-->

#3

Pyridine

Concen: 40.24 ng

RT: 3.404 min Scan# 206

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 433211

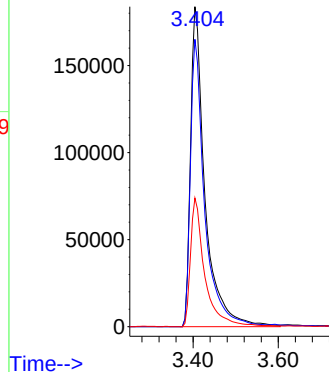
Ion Ratio Lower Upper

79 100

52 89.8 71.5 107.3

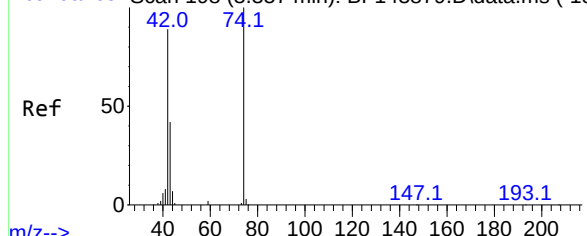
51 40.2 32.9 49.3

Abundance



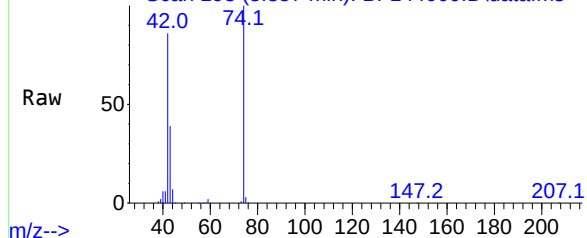
Time-->

Abundance Scan 198 (3.357 min): BF143879.D\data.ms (-18



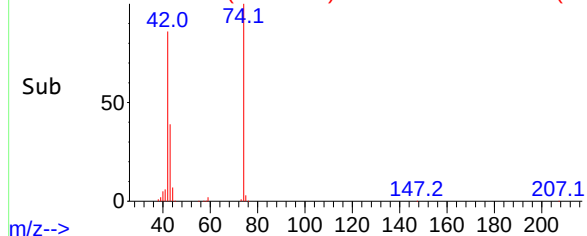
m/z-->

Abundance Scan 198 (3.357 min): BF144009.D\data.ms



m/z-->

Abundance Scan 198 (3.357 min): BF144009.D\data.ms (-18



m/z-->

#4

n-Nitrosodimethylamine

Concen: 37.81 ng

RT: 3.357 min Scan# 198

Delta R.T. -0.029 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion: 42 Resp: 214136

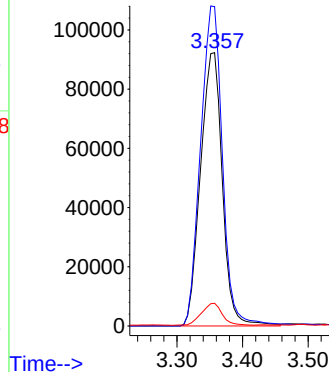
Ion Ratio Lower Upper

42 100

74 116.8 90.0 135.0

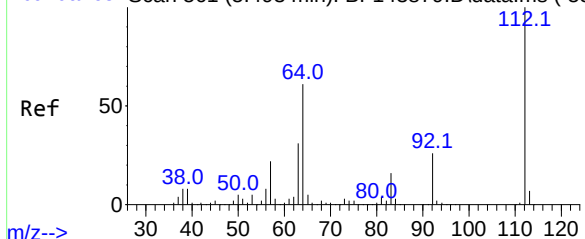
44 8.3 6.2 9.2

Abundance



Time-->

Abundance Scan 561 (5.493 min): BF143879.D\data.ms (-55



#5

2-Fluorophenol

Concen: 82.54 ng

RT: 5.492 min Scan# 5

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:112 Resp: 659598

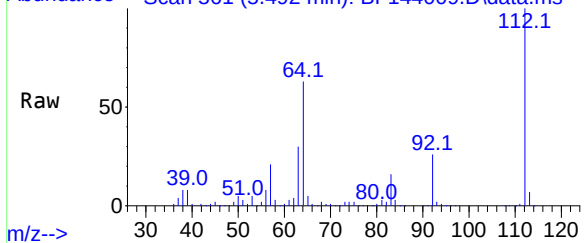
Ion Ratio Lower Upper

112 100

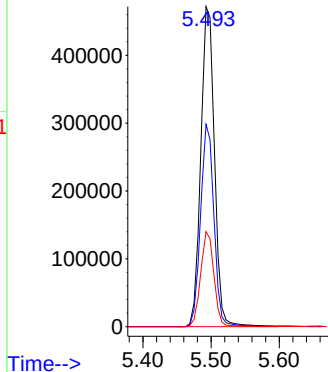
64 63.3 49.1 73.7

63 29.7 24.5 36.7

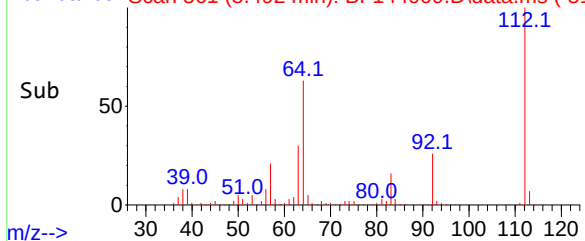
Abundance Scan 561 (5.492 min): BF144009.D\data.ms



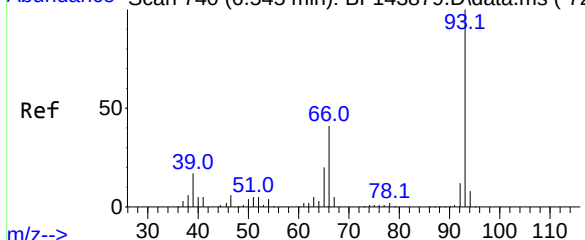
Abundance



Abundance Scan 561 (5.492 min): BF144009.D\data.ms (-51



Abundance Scan 740 (6.545 min): BF143879.D\data.ms (-72



#6

Aniline

Concen: 39.41 ng

RT: 6.545 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion: 93 Resp: 562479

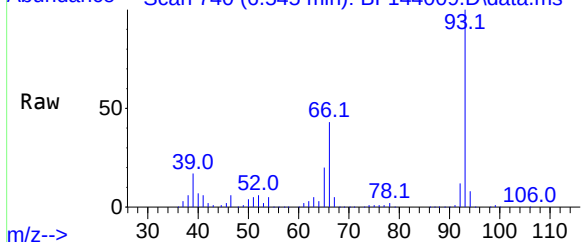
Ion Ratio Lower Upper

93 100

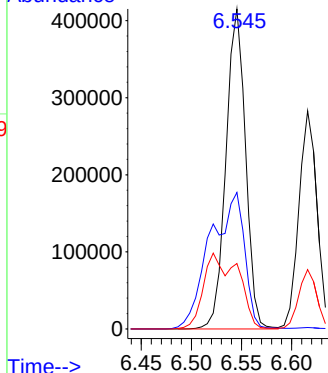
66 42.7 33.0 49.6

65 20.4 15.8 23.8

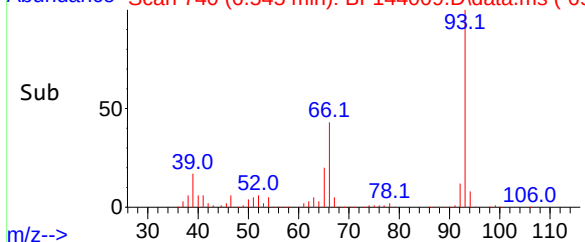
Abundance Scan 740 (6.545 min): BF144009.D\data.ms



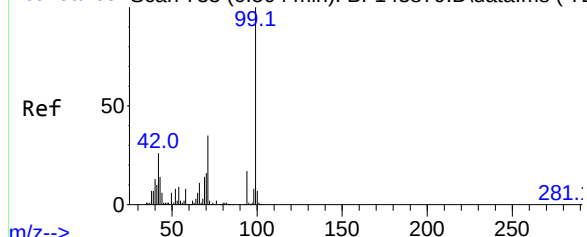
Abundance



Abundance Scan 740 (6.545 min): BF144009.D\data.ms (-69



Abundance Scan 733 (6.504 min): BF143879.D\data.ms (-72



#7

Phenol-d6

Concen: 79.60 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 99 Resp: 758257

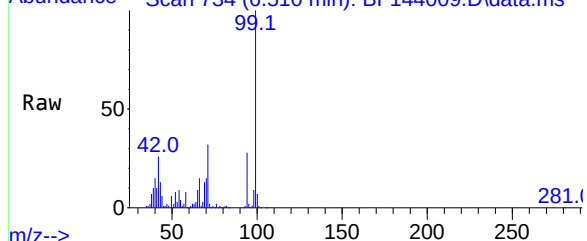
Ion Ratio Lower Upper

99 100

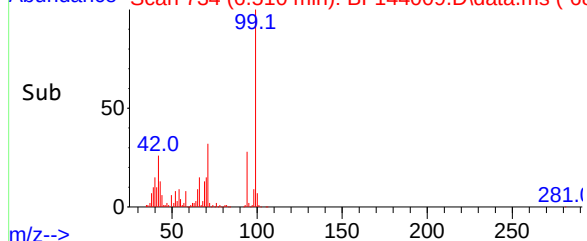
42 25.8 21.0 31.4

71 32.3 27.8 41.8

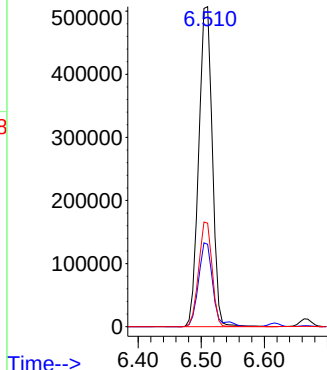
Abundance Scan 734 (6.510 min): BF144009.D\data.ms



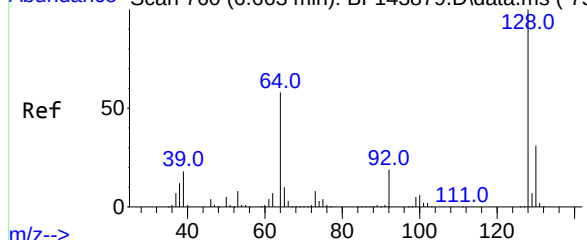
Abundance Scan 734 (6.510 min): BF144009.D\data.ms (-68



Abundance



Abundance Scan 760 (6.663 min): BF143879.D\data.ms (-75



#8

2-Chlorophenol

Concen: 41.15 ng

RT: 6.663 min Scan# 760

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion: 128 Resp: 321477

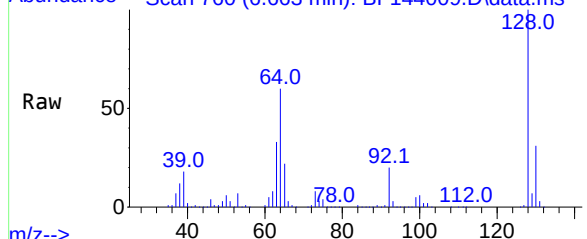
Ion Ratio Lower Upper

128 100

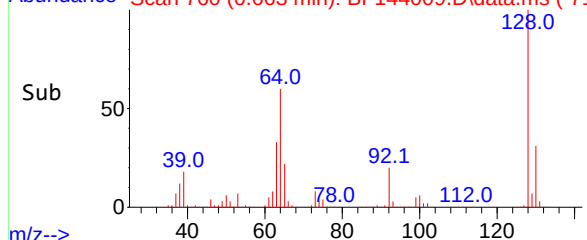
130 30.7 10.7 50.7

64 60.0 39.0 79.0

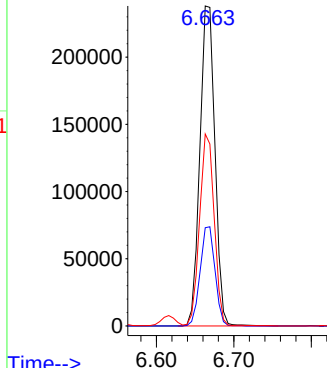
Abundance Scan 760 (6.663 min): BF144009.D\data.ms



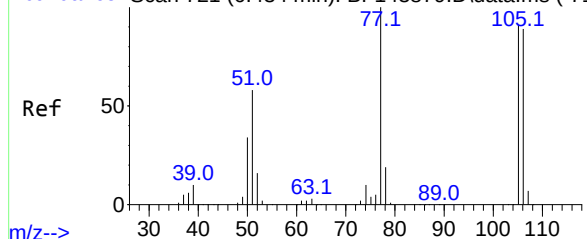
Abundance Scan 760 (6.663 min): BF144009.D\data.ms (-71



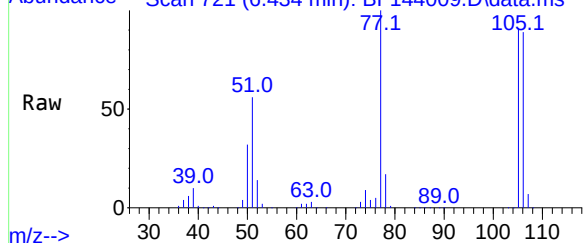
Abundance



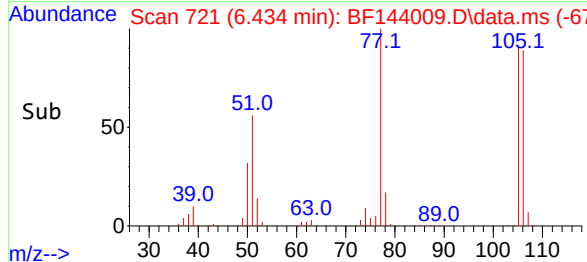
Abundance Scan 721 (6.434 min): BF143879.D\data.ms (-71



m/z--> Abundance Scan 721 (6.434 min): BF144009.D\data.ms



m/z--> Abundance Scan 721 (6.434 min): BF144009.D\data.ms (-67



m/z-->

#9

Benzaldehyde

Concen: 41.55 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 305342

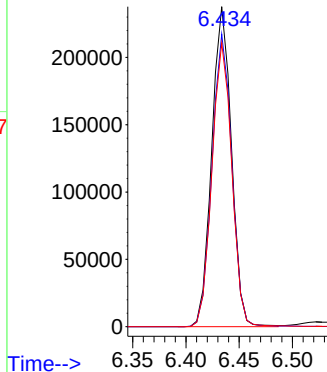
Ion Ratio Lower Upper

77 100

105 91.4 70.9 110.9

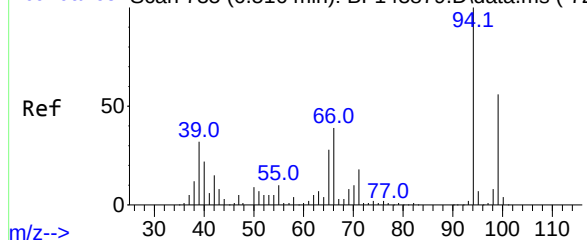
106 88.7 68.9 108.9

Abundance

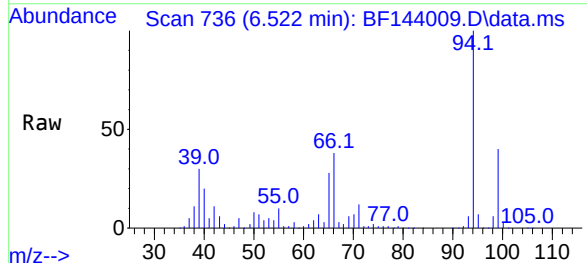


Time-->

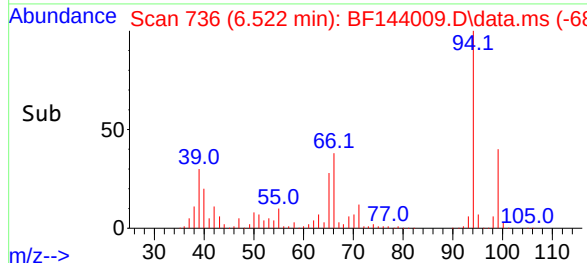
Abundance Scan 735 (6.516 min): BF143879.D\data.ms (-72



m/z--> Abundance Scan 736 (6.522 min): BF144009.D\data.ms



m/z--> Abundance Scan 736 (6.522 min): BF144009.D\data.ms (-68



m/z-->

#10

Phenol

Concen: 42.37 ng

RT: 6.522 min Scan# 736

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion: 94 Resp: 482522

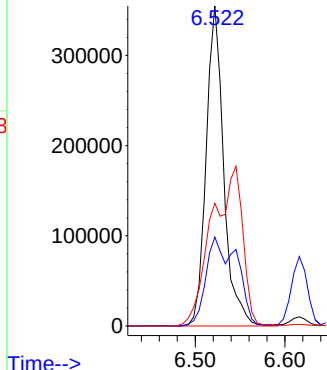
Ion Ratio Lower Upper

94 100

65 27.7 8.5 48.5

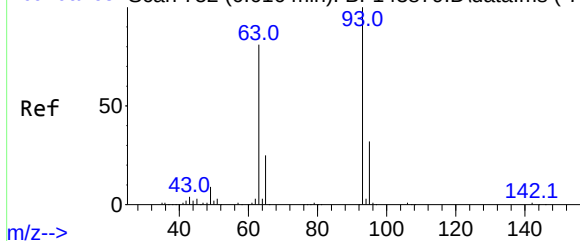
66 38.4 19.9 59.9

Abundance



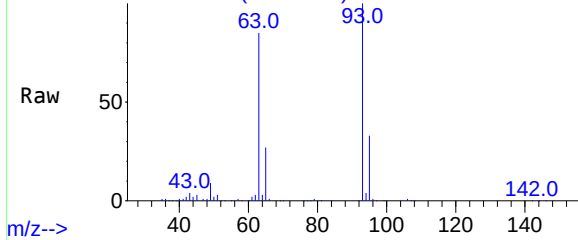
Time-->

Abundance Scan 752 (6.616 min): BF143879.D\data.ms (-74



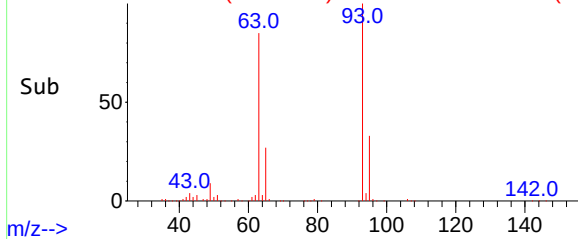
m/z-->

Abundance Scan 752 (6.616 min): BF144009.D\data.ms



m/z-->

Abundance Scan 752 (6.616 min): BF144009.D\data.ms (-70



m/z-->

#11

bis(2-Chloroethyl)ether

Concen: 39.70 ng

RT: 6.616 min Scan# 752

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 349275

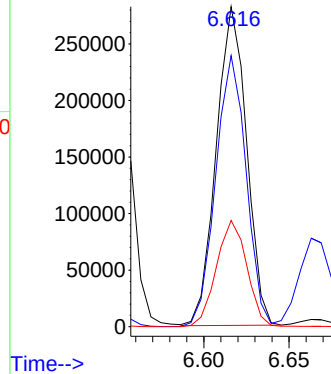
Ion Ratio Lower Upper

93 100

63 84.7 60.9 100.9

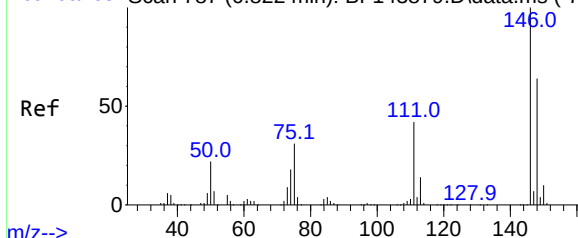
95 33.2 11.5 51.5

Abundance



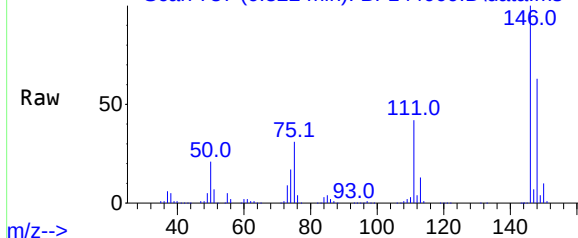
Time-->

Abundance Scan 787 (6.822 min): BF143879.D\data.ms (-78



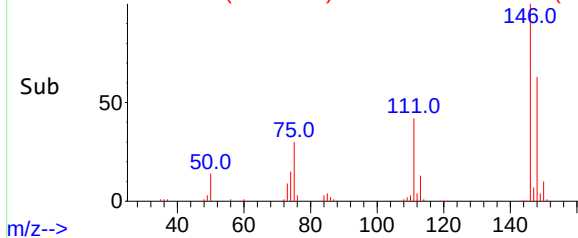
m/z-->

Abundance Scan 787 (6.822 min): BF144009.D\data.ms



m/z-->

Abundance Scan 787 (6.822 min): BF144009.D\data.ms (-73



m/z-->

#12

1,3-Dichlorobenzene

Concen: 39.72 ng

RT: 6.822 min Scan# 787

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion: 146 Resp: 371419

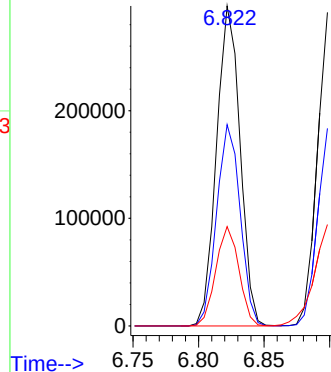
Ion Ratio Lower Upper

146 100

148 62.9 51.0 76.4

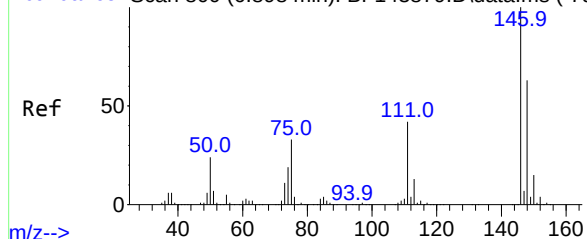
75 31.1 24.9 37.3

Abundance



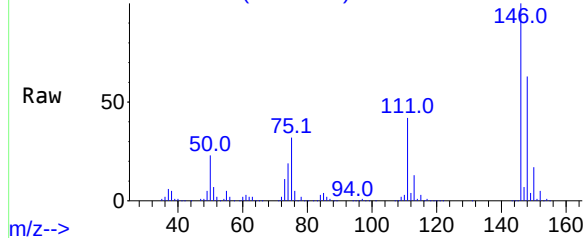
Time-->

Abundance Scan 800 (6.898 min): BF143879.D\data.ms (-79



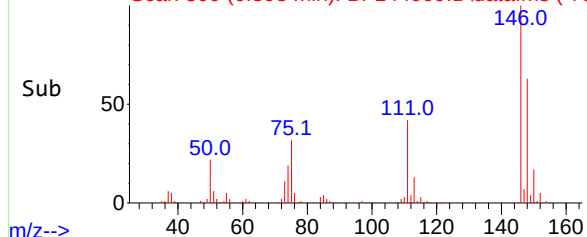
m/z-->

Abundance Scan 800 (6.898 min): BF144009.D\data.ms



m/z-->

Abundance Scan 800 (6.898 min): BF144009.D\data.ms (-75



m/z-->

#13

1,4-Dichlorobenzene

Concen: 39.44 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 363777

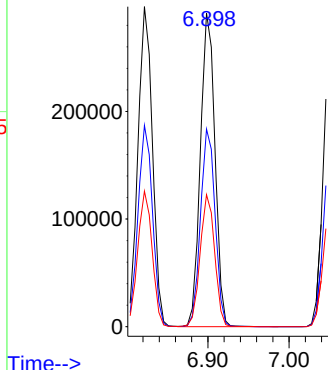
Ion Ratio Lower Upper

146 100

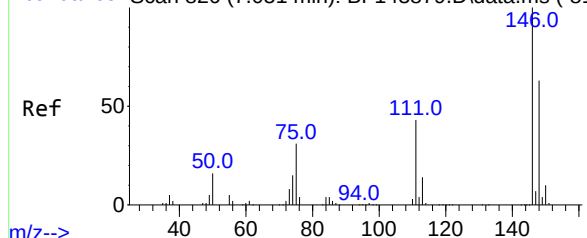
148 63.0 50.5 75.7

111 42.1 33.4 50.0

Abundance

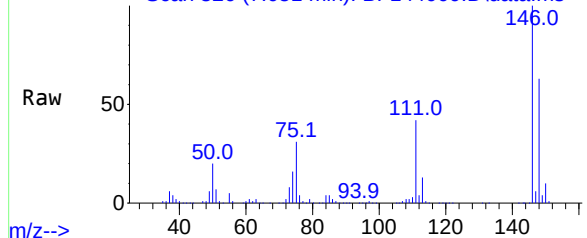


Abundance Scan 826 (7.051 min): BF143879.D\data.ms (-81



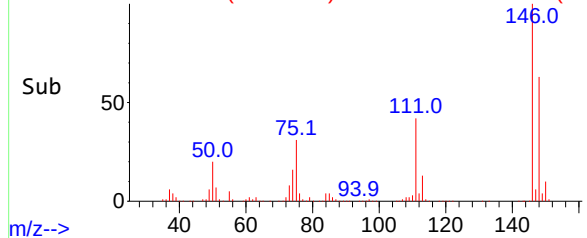
m/z-->

Abundance Scan 826 (7.051 min): BF144009.D\data.ms



m/z-->

Abundance Scan 826 (7.051 min): BF144009.D\data.ms (-77



m/z-->

#14

1,2-Dichlorobenzene

Concen: 40.53 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion:146 Resp: 358067

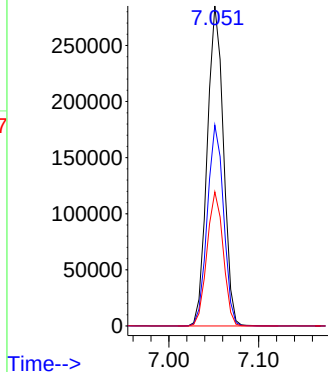
Ion Ratio Lower Upper

146 100

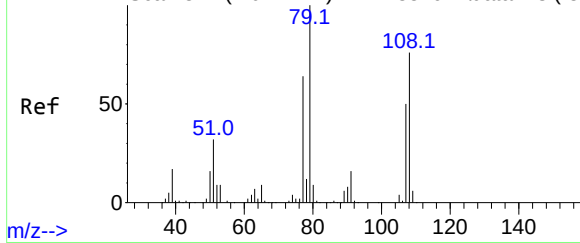
148 62.7 50.6 75.8

111 41.9 34.6 51.8

Abundance

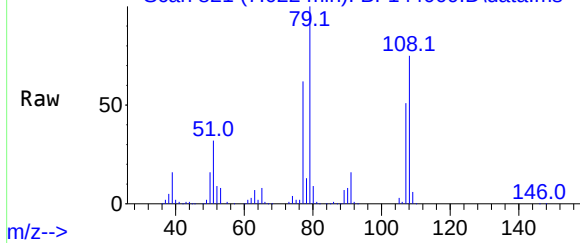


Abundance Scan 821 (7.022 min): BF143879.D\data.ms (-81



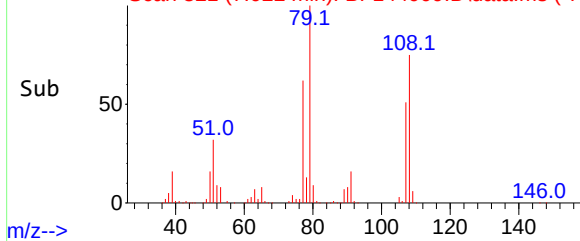
m/z-->

Abundance Scan 821 (7.022 min): BF144009.D\data.ms



m/z-->

Abundance Scan 821 (7.022 min): BF144009.D\data.ms (-77



m/z-->

#15

Benzyl Alcohol

Concen: 39.85 ng

RT: 7.022 min Scan# 821

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 284416

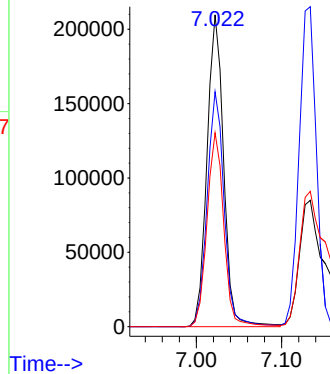
Ion Ratio Lower Upper

79 100

108 75.3 60.8 91.2

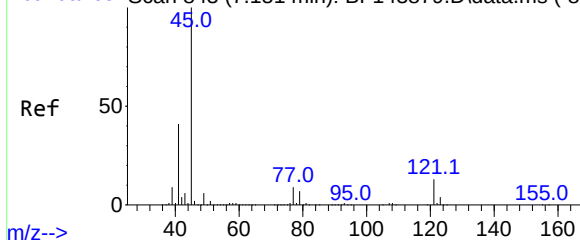
77 62.2 51.0 76.6

Abundance



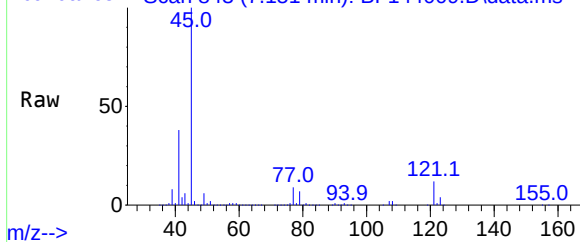
Time-->

Abundance Scan 843 (7.151 min): BF143879.D\data.ms (-83



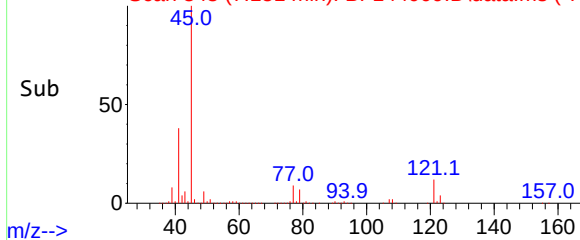
m/z-->

Abundance Scan 843 (7.151 min): BF144009.D\data.ms



m/z-->

Abundance Scan 843 (7.151 min): BF144009.D\data.ms (-79



m/z-->

#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.87 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion: 45 Resp: 818434

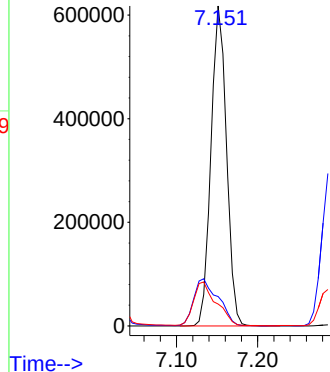
Ion Ratio Lower Upper

45 100

77 9.2 0.0 29.0

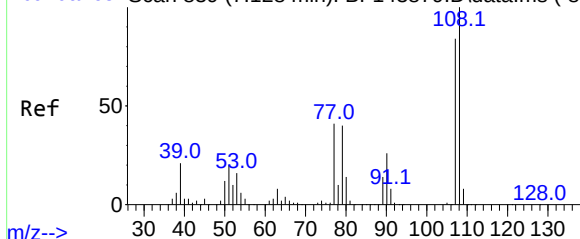
79 6.9 0.0 26.8

Abundance



Time-->

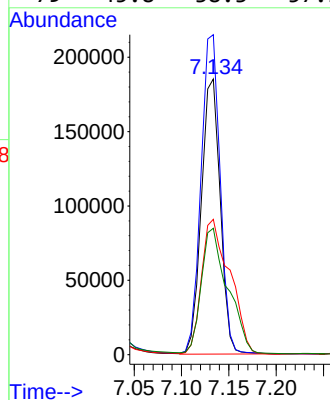
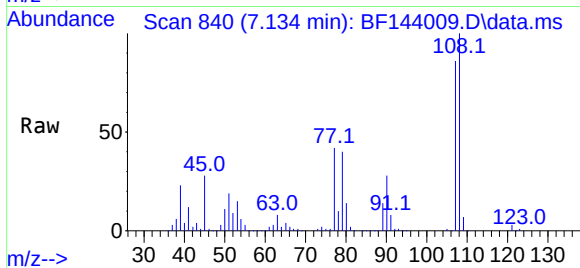
Abundance Scan 839 (7.128 min): BF143879.D\data.ms (-83



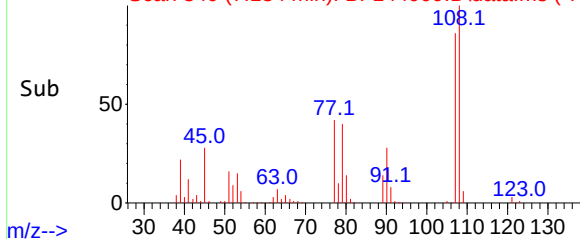
#17
2-Methylphenol
Concen: 39.68 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

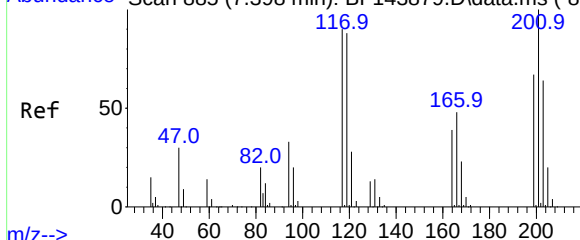
Tgt Ion:107 Resp: 256143
Ion Ratio Lower Upper
107 100
108 116.1 94.7 142.1
77 49.1 38.8 58.2
79 45.8 38.3 57.5



Abundance Scan 840 (7.134 min): BF144009.D\data.ms (-78

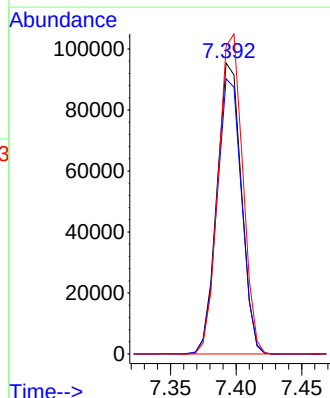
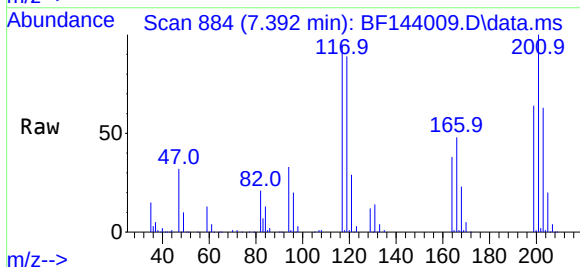


Abundance Scan 885 (7.398 min): BF143879.D\data.ms (-87

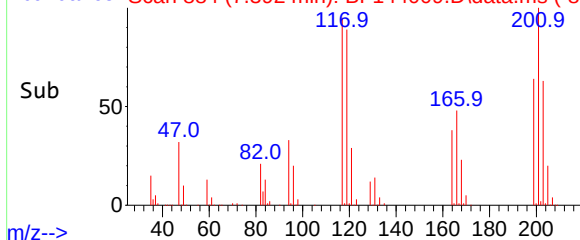


#18
Hexachloroethane
Concen: 40.13 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

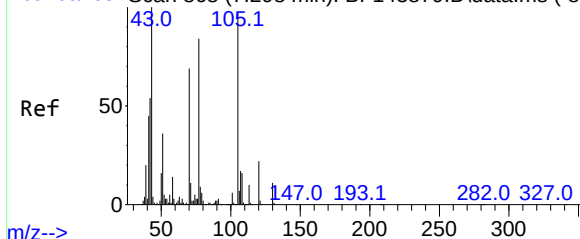
Tgt Ion:117 Resp: 123432
Ion Ratio Lower Upper
117 100
119 94.6 77.8 116.8
201 105.8 88.5 132.7



Abundance Scan 884 (7.392 min): BF144009.D\data.ms (-83



Abundance Scan 868 (7.298 min): BF143879.D\data.ms (-86



#19

n-Nitroso-di-n-propylamine

Concen: 38.27 ng

RT: 7.292 min Scan# 8

Delta R.T. -0.023 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 249549

Ion Ratio Lower Upper

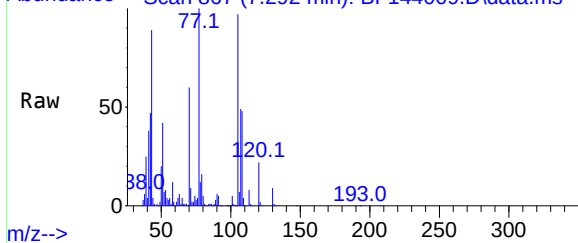
70 100

42 79.5 62.8 94.2

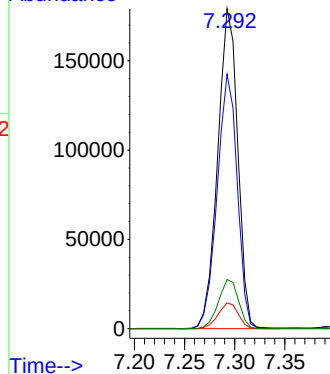
101 8.1 6.7 10.1

130 15.4 13.0 19.4

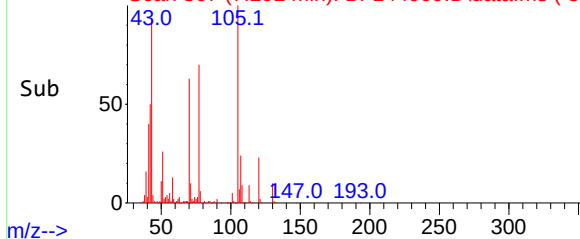
Abundance Scan 867 (7.292 min): BF144009.D\data.ms



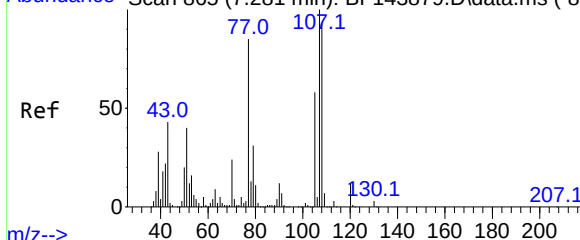
Abundance



Abundance Scan 867 (7.292 min): BF144009.D\data.ms (-82



Abundance Scan 865 (7.281 min): BF143879.D\data.ms (-85



#20

3+4-Methylphenols

Concen: 39.91 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion: 107 Resp: 298653

Ion Ratio Lower Upper

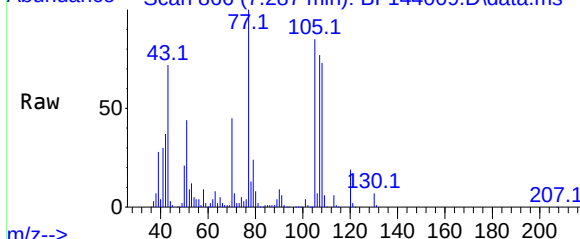
107 100

108 94.8 73.0 113.0

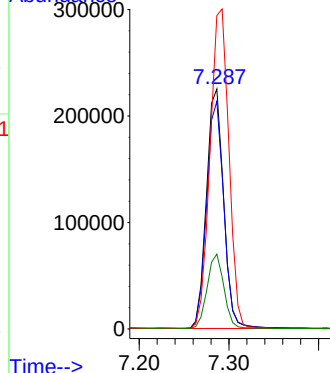
77 130.6 64.6 104.6#

79 31.2 11.5 51.5

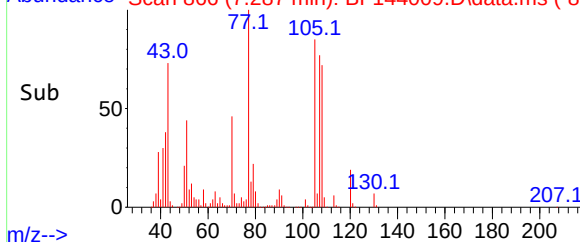
Abundance Scan 866 (7.287 min): BF144009.D\data.ms

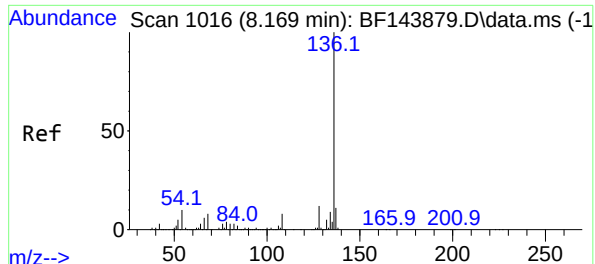


Abundance



Abundance Scan 866 (7.287 min): BF144009.D\data.ms (-81





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.163 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 483648

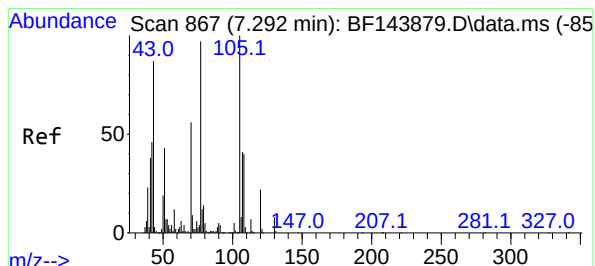
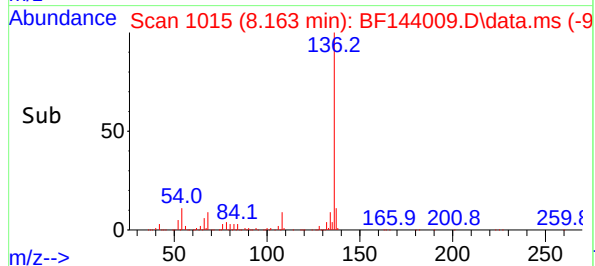
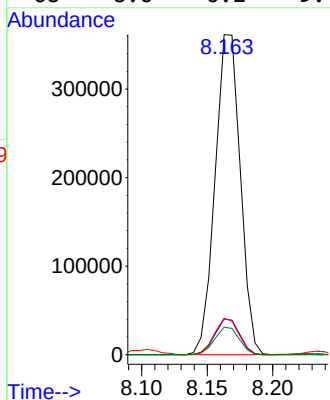
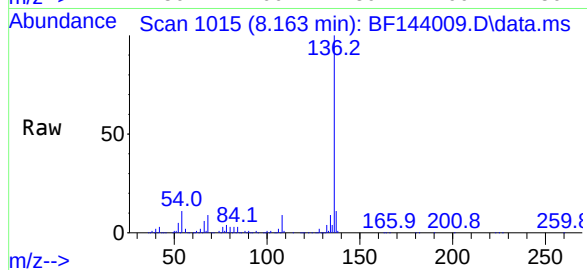
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 11.4 8.2 12.4

68 8.6 6.2 9.4



#22

Acetophenone

Concen: 38.65 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion:105 Resp: 395279

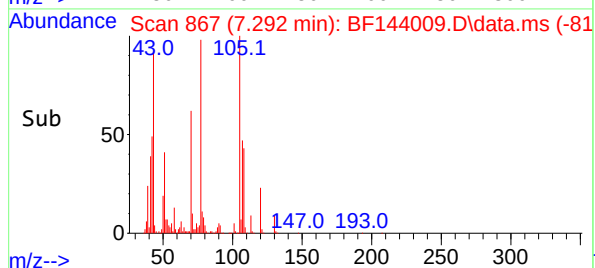
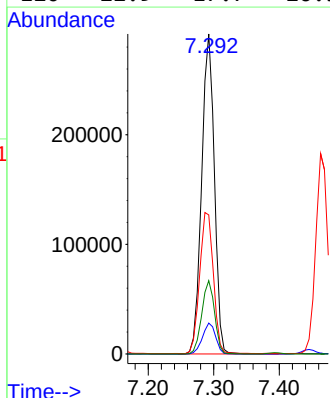
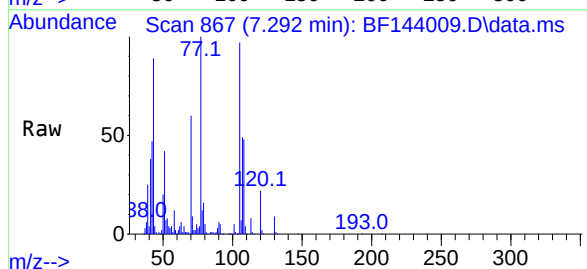
Ion Ratio Lower Upper

105 100

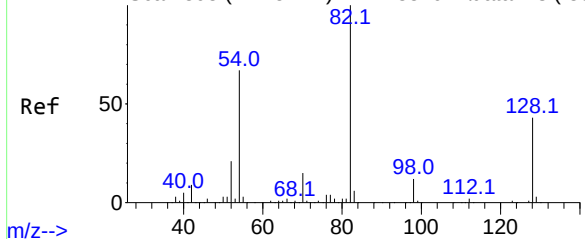
71 9.7 7.4 11.0

51 43.5 34.2 51.4

120 22.9 17.7 26.5



Abundance Scan 893 (7.445 min): BF143879.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 82.88 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

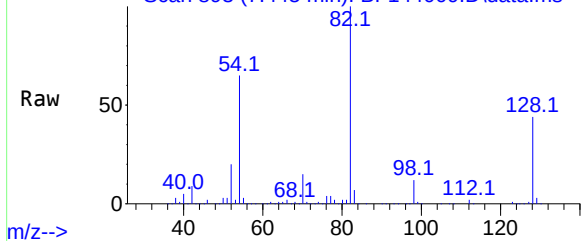
BNA_F

ClientSampleId :

SSTDCCC040

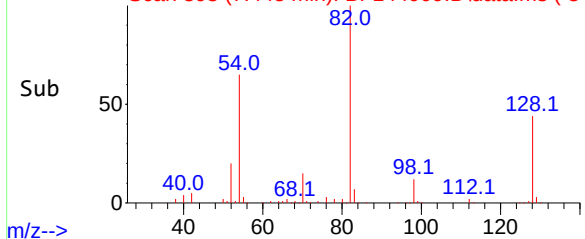
m/z-->

Abundance Scan 893 (7.445 min): BF144009.D\data.ms



m/z-->

Abundance Scan 893 (7.445 min): BF144009.D\data.ms (-84



m/z-->

Tgt Ion: 82 Resp: 659772

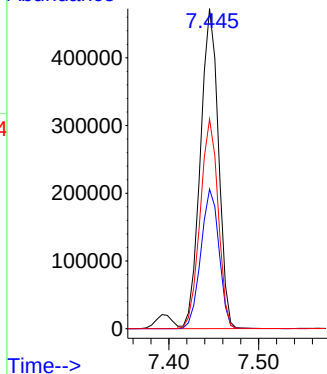
Ion Ratio Lower Upper

82 100

128 43.6 34.0 51.0

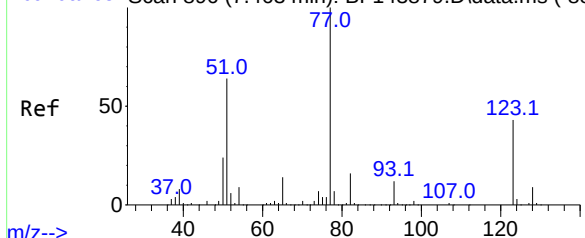
54 65.5 53.2 79.8

Abundance



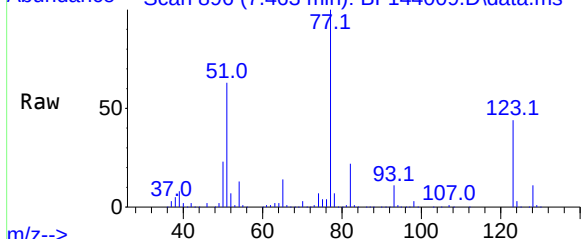
Time-->

Abundance Scan 896 (7.463 min): BF143879.D\data.ms (-88



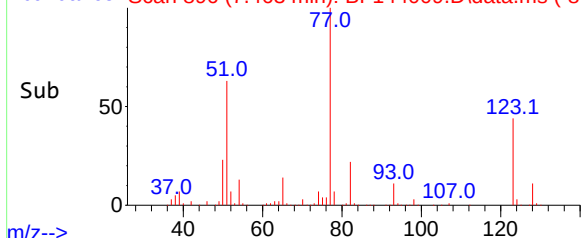
m/z-->

Abundance Scan 896 (7.463 min): BF144009.D\data.ms



m/z-->

Abundance Scan 896 (7.463 min): BF144009.D\data.ms (-84



m/z-->

#24

Nitrobenzene

Concen: 41.81 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion: 77 Resp: 369646

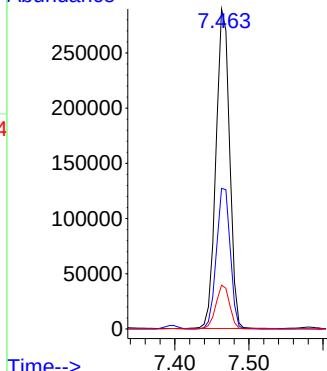
Ion Ratio Lower Upper

77 100

123 43.9 34.2 51.4

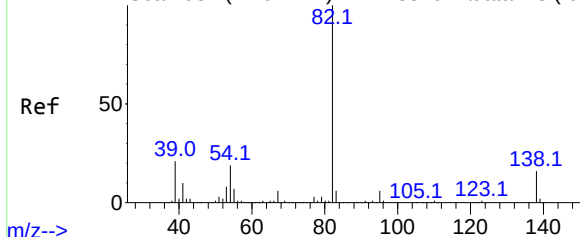
65 13.7 11.0 16.6

Abundance



Time-->

Abundance Scan 937 (7.704 min): BF143879.D\data.ms (-93



#25

Isophorone

Concen: 38.25 ng

RT: 7.704 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 642035

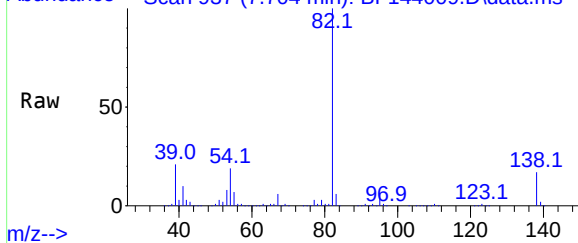
Ion Ratio Lower Upper

82 100

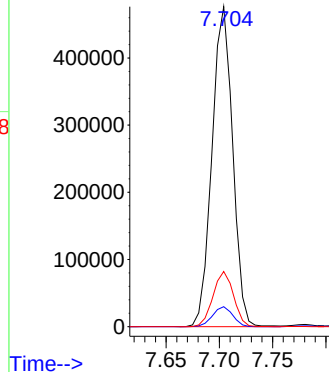
95 6.3 5.1 7.7

138 17.3 12.9 19.3

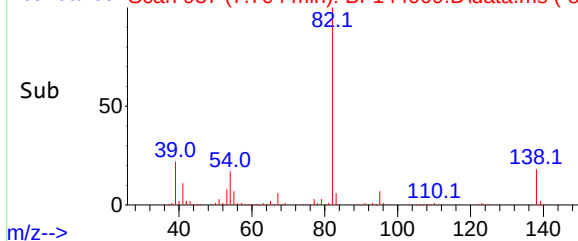
Abundance Scan 937 (7.704 min): BF144009.D\data.ms



Abundance

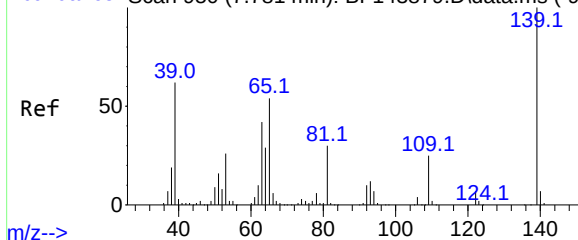


Abundance Scan 937 (7.704 min): BF144009.D\data.ms (-88



Time-->

Abundance Scan 950 (7.781 min): BF143879.D\data.ms (-94



#26

2-Nitrophenol

Concen: 46.34 ng

RT: 7.781 min Scan# 950

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion: 139 Resp: 175637

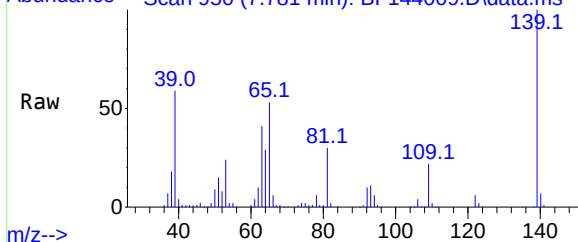
Ion Ratio Lower Upper

139 100

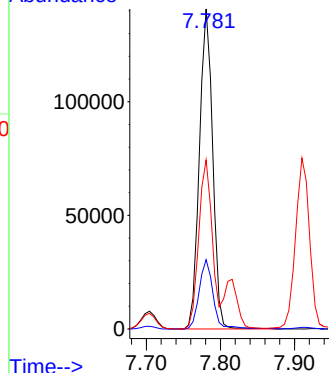
109 21.6 19.8 29.6

65 52.8 42.9 64.3

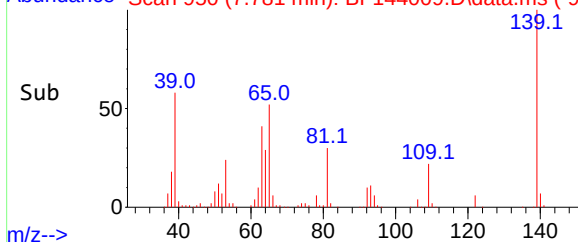
Abundance Scan 950 (7.781 min): BF144009.D\data.ms



Abundance

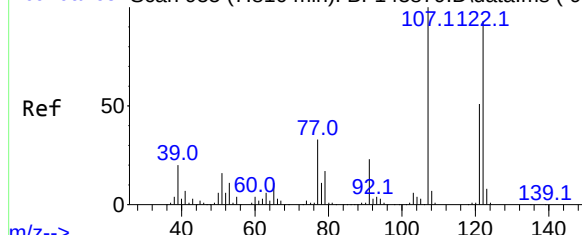


Abundance Scan 950 (7.781 min): BF144009.D\data.ms (-90



Time-->

Abundance Scan 955 (7.810 min): BF143879.D\data.ms (-94



#27

2,4-Dimethylphenol

Concen: 41.19 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 280851

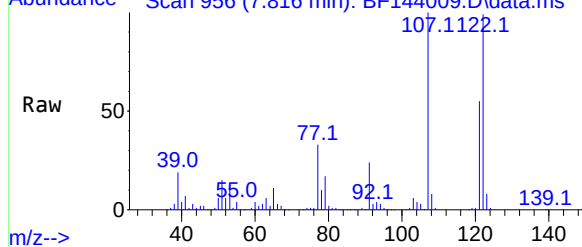
Ion Ratio Lower Upper

122 100

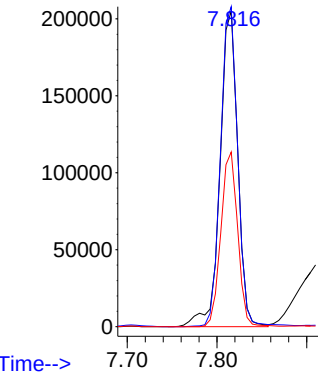
107 101.4 86.1 129.1

121 55.3 43.8 65.6

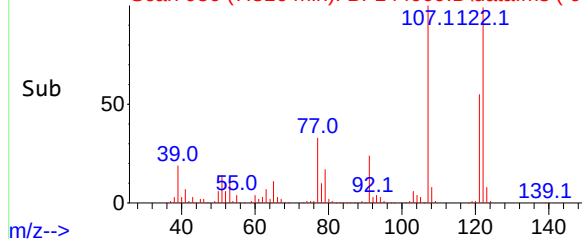
m/z--> Abundance Scan 956 (7.816 min): BF144009.D\data.ms



Abundance

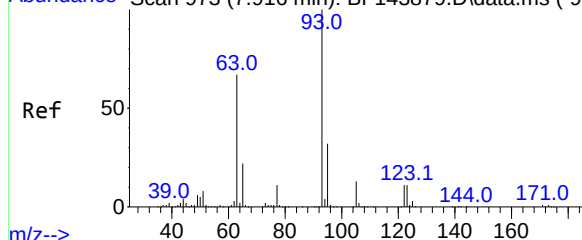


m/z--> Abundance Scan 956 (7.816 min): BF144009.D\data.ms (-90



Time-->

Abundance Scan 973 (7.916 min): BF143879.D\data.ms (-96



#28

bis(2-Chloroethoxy)methane

Concen: 39.53 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion: 93 Resp: 419161

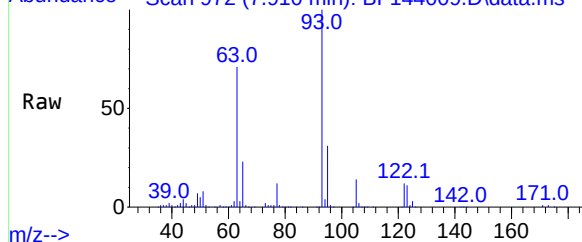
Ion Ratio Lower Upper

93 100

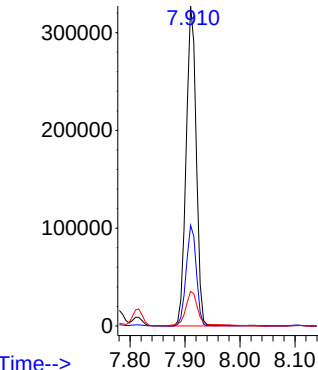
95 31.5 25.9 38.9

123 10.8 9.4 14.0

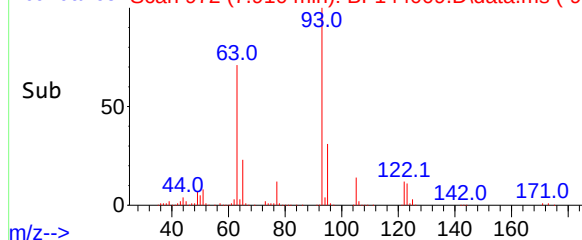
m/z--> Abundance Scan 972 (7.910 min): BF144009.D\data.ms



Abundance

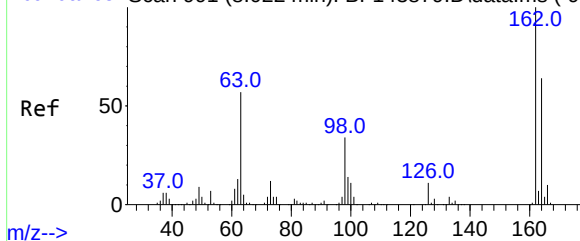


m/z--> Abundance Scan 972 (7.910 min): BF144009.D\data.ms (-92



Time-->

Abundance Scan 991 (8.022 min): BF143879.D\data.ms (-98



#29

2,4-Dichlorophenol

Concen: 40.12 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

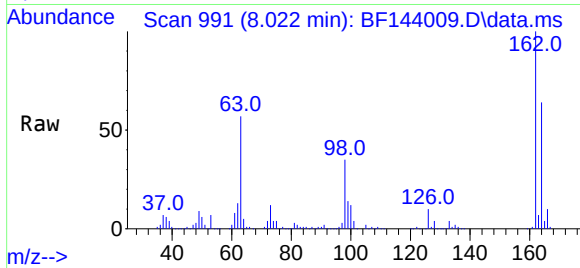
Instrument :

BNA_F

ClientSampleId :

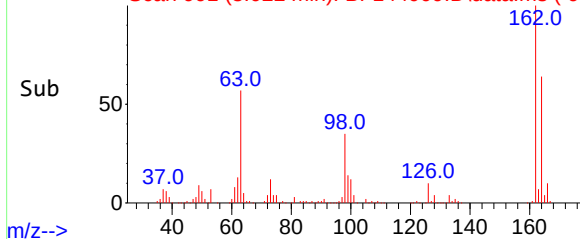
SSTDCCC040

m/z-->



m/z-->

Abundance Scan 991 (8.022 min): BF144009.D\data.ms (-94



m/z-->

Tgt Ion:162 Resp: 284947

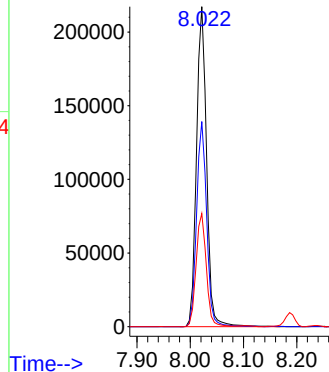
Ion Ratio Lower Upper

162 100

164 64.1 43.9 83.9

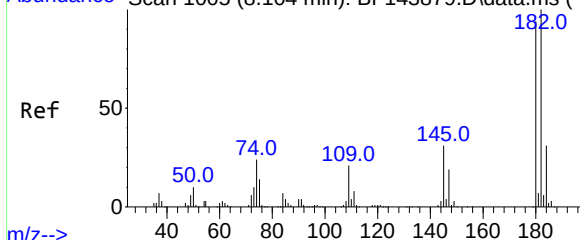
98 35.3 14.4 54.4

Abundance

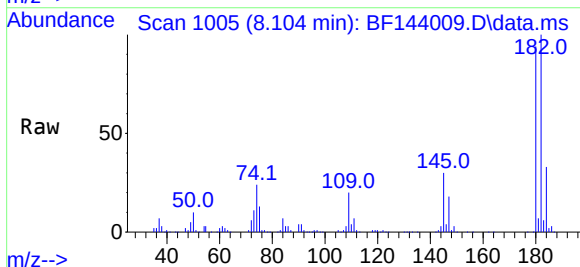


Time-->

Abundance Scan 1005 (8.104 min): BF143879.D\data.ms (-9

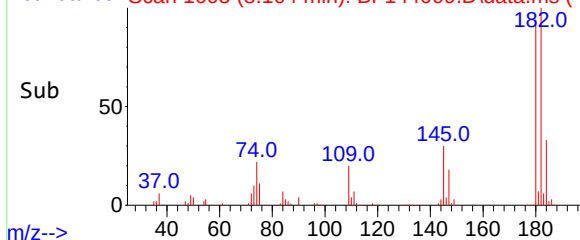


m/z-->



m/z-->

Abundance Scan 1005 (8.104 min): BF144009.D\data.ms (-9



m/z-->

#30

1,2,4-Trichlorobenzene

Concen: 39.93 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion:180 Resp: 278910

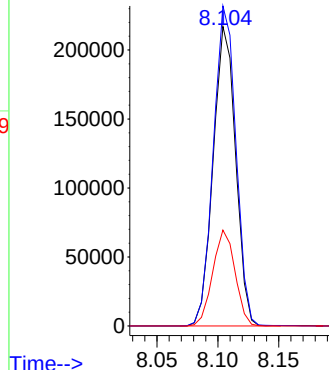
Ion Ratio Lower Upper

180 100

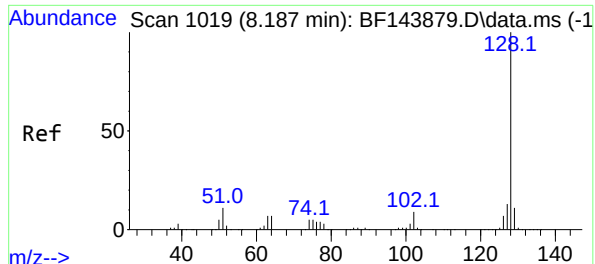
182 106.8 85.4 128.0

145 32.0 26.3 39.5

Abundance



Time-->



#31

Naphthalene

Concen: 39.67 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

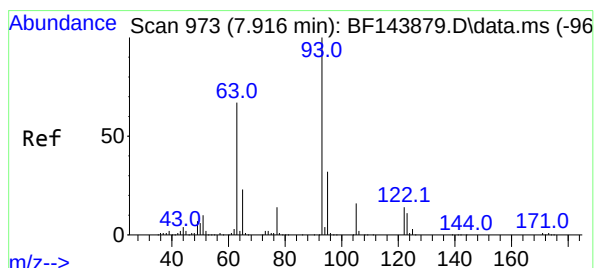
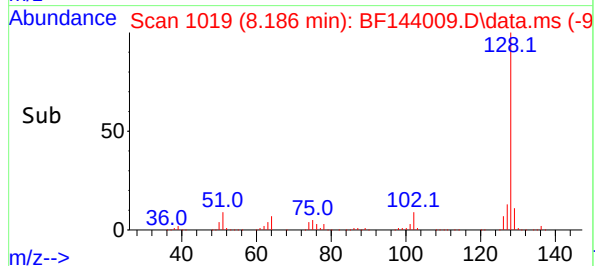
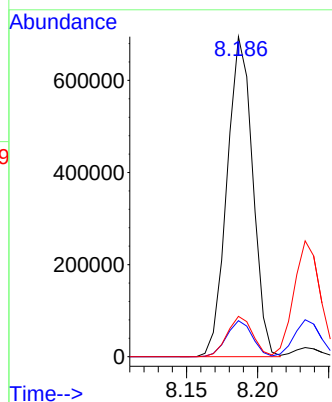
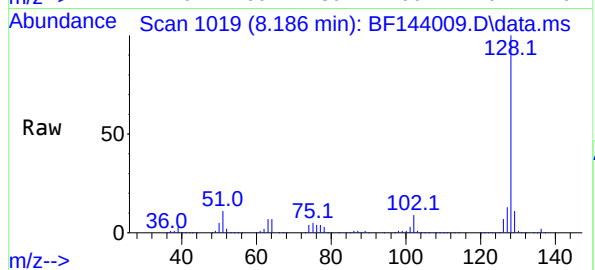
Tgt Ion:128 Resp: 872696

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

127 12.6 10.0 15.0



#32

Benzoic acid

Concen: 37.57 ng

RT: 7.922 min Scan# 974

Delta R.T. -0.041 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

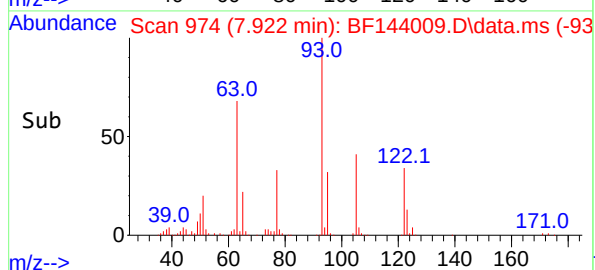
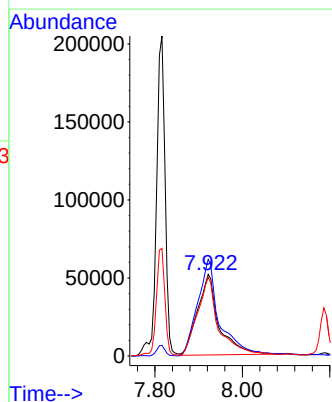
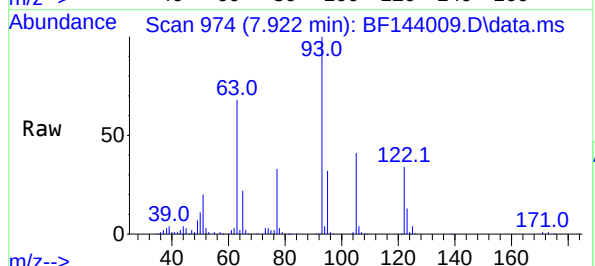
Tgt Ion:122 Resp: 177272

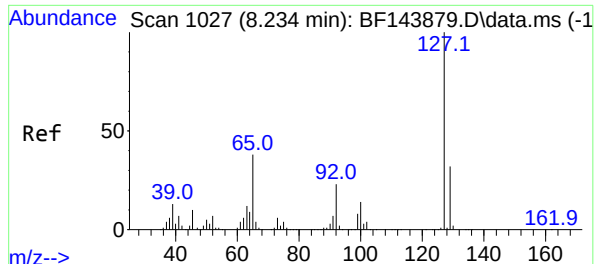
Ion Ratio Lower Upper

122 100

105 118.3 93.5 133.5

77 96.6 76.3 116.3





#33

4-Chloroaniline

Concen: 39.99 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 329949

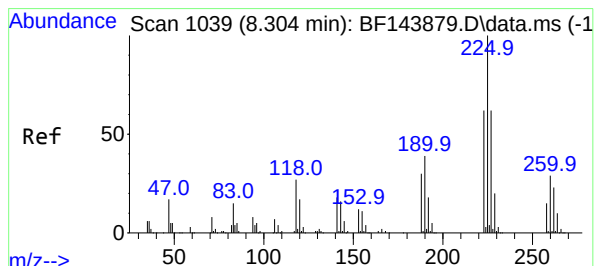
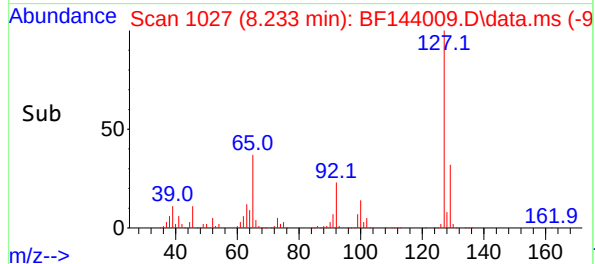
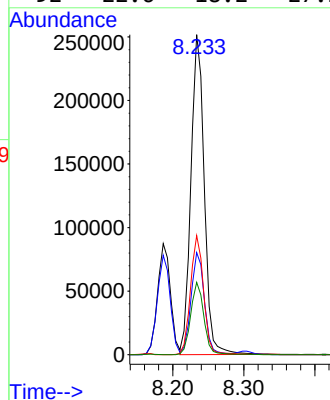
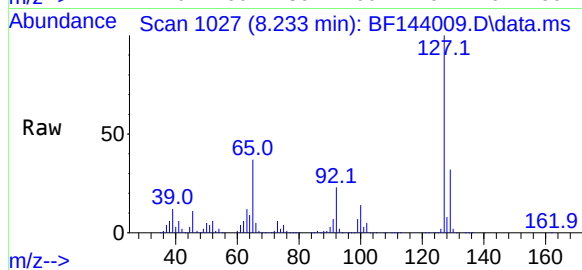
Ion Ratio Lower Upper

127 100

129 31.9 25.8 38.8

65 37.2 30.0 45.0

92 22.6 18.2 27.2



#34

Hexachlorobutadiene

Concen: 39.35 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

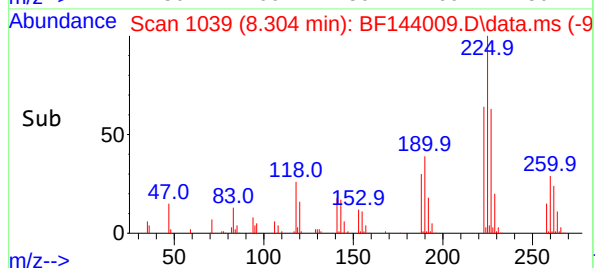
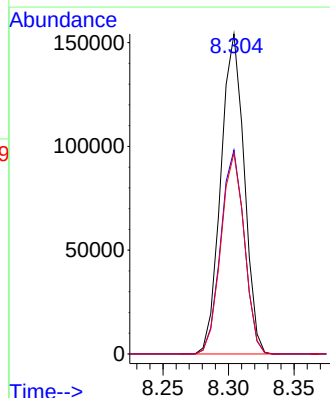
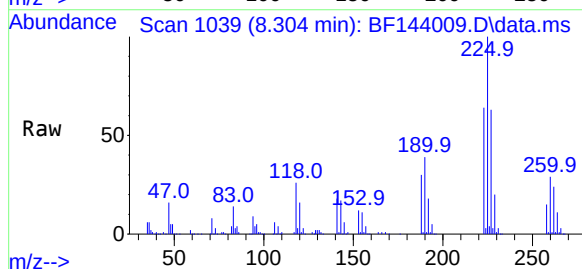
Tgt Ion:225 Resp: 190984

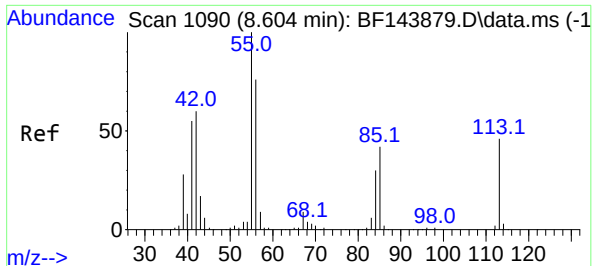
Ion Ratio Lower Upper

225 100

223 63.7 49.4 74.2

227 62.7 49.7 74.5

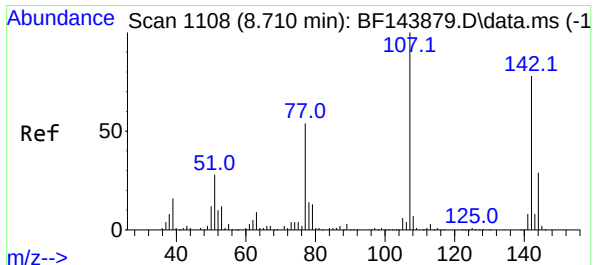
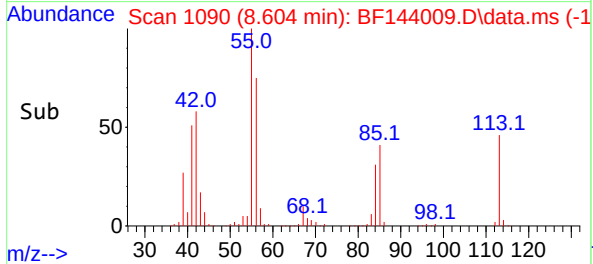
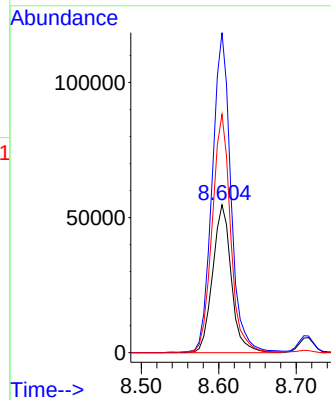
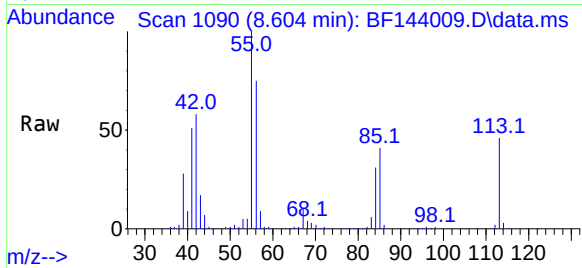




#35
Caprolactam
Concen: 40.57 ng
RT: 8.604 min Scan# 1109
Delta R.T. -0.041 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

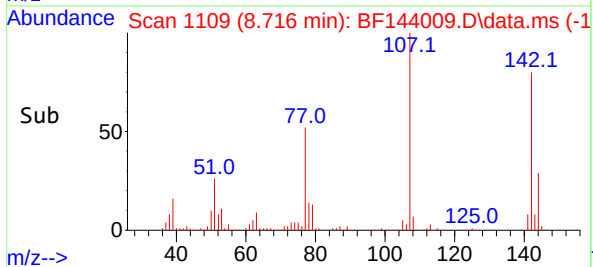
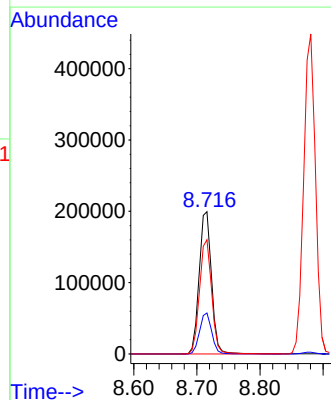
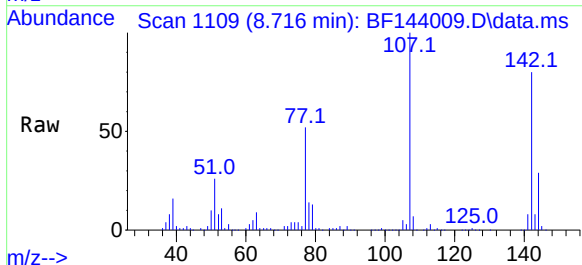
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

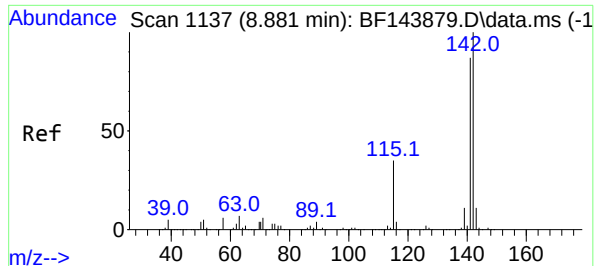
Tgt Ion:113 Resp: 91608
Ion Ratio Lower Upper
113 100
55 216.4 199.6 239.6
56 161.3 146.0 186.0



#36
4-Chloro-3-methylphenol
Concen: 39.78 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:107 Resp: 271348
Ion Ratio Lower Upper
107 100
144 28.8 23.1 34.7
142 80.4 62.6 94.0





#37

2-Methylnaphthalene

Concen: 39.55 ng

RT: 8.881 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

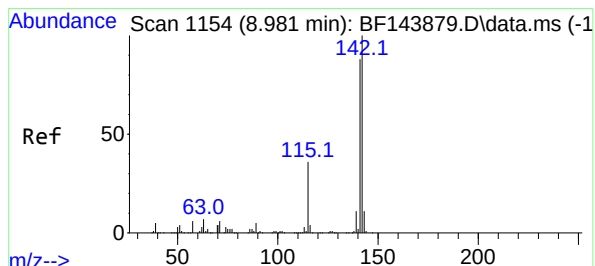
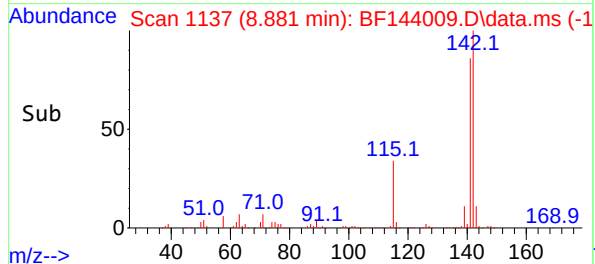
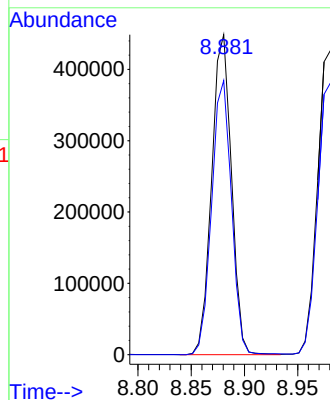
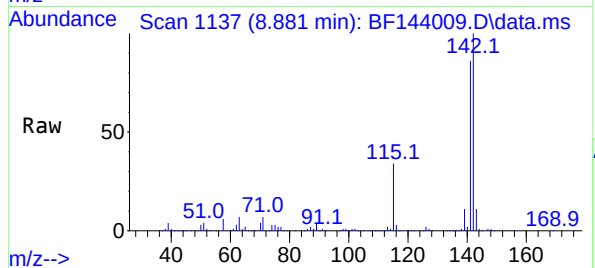
SSTDCCC040

Tgt Ion:142 Resp: 579595

Ion Ratio Lower Upper

142 100

141 85.6 69.2 103.8



#38

1-Methylnaphthalene

Concen: 39.00 ng

RT: 8.980 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF144009.D

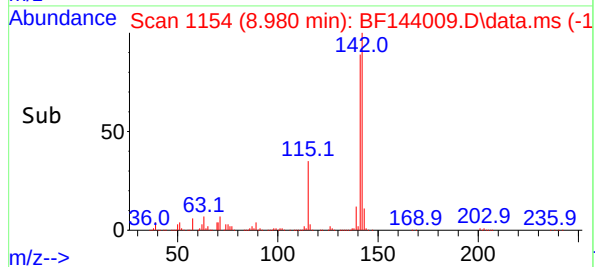
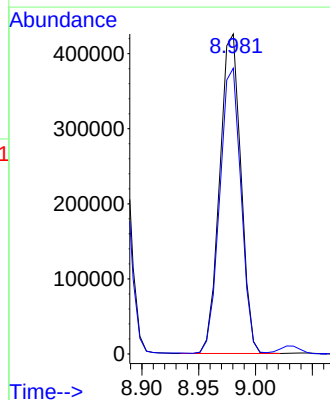
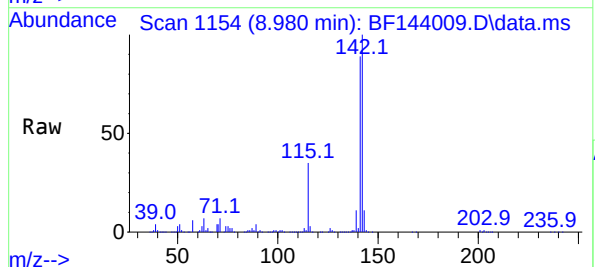
Acq: 21 Oct 2025 13:29

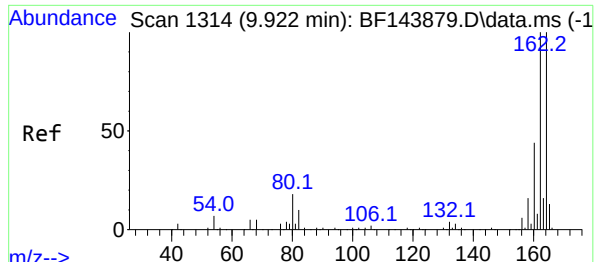
Tgt Ion:142 Resp: 554429

Ion Ratio Lower Upper

142 100

141 89.3 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.922 min Scan# 1165

Delta R.T. -0.005 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

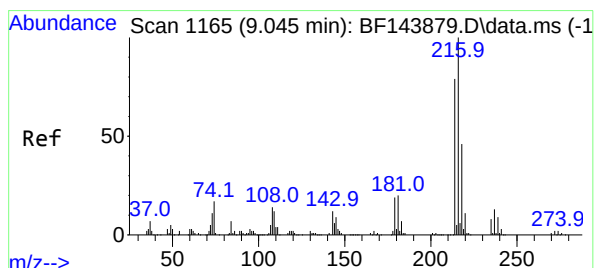
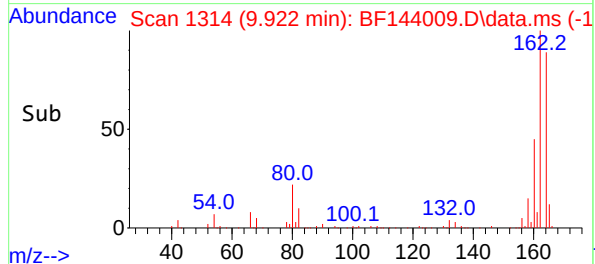
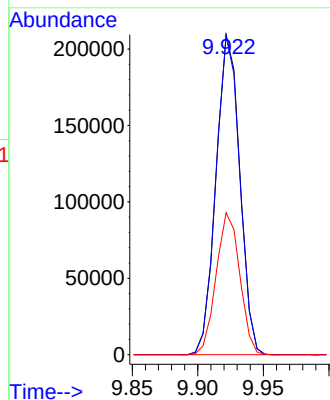
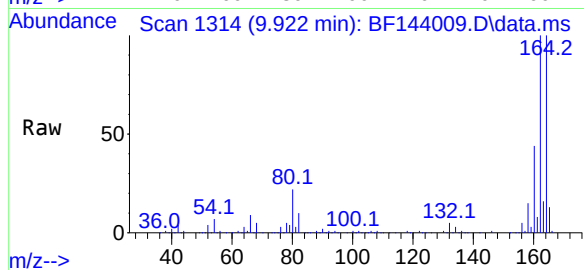
Tgt Ion:164 Resp: 263342

Ion Ratio Lower Upper

164 100

162 99.6 80.2 120.2

160 44.4 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.44 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion:216 Resp: 294341

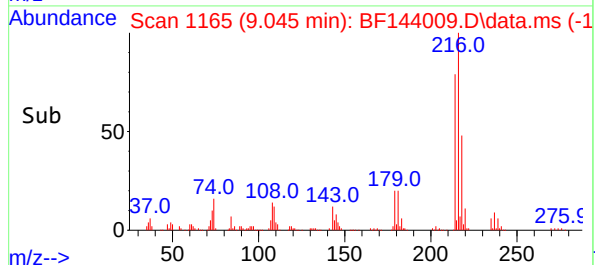
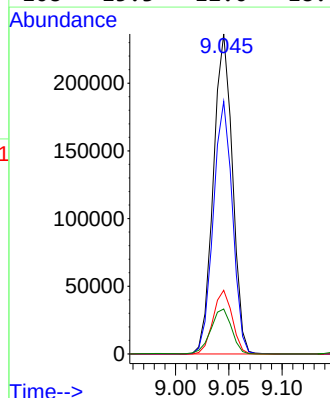
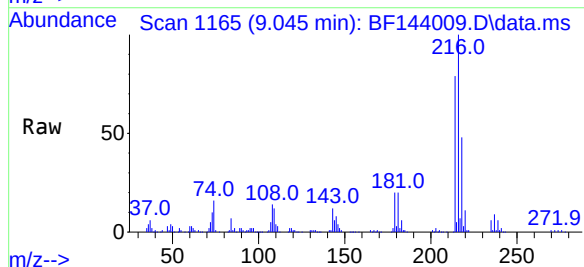
Ion Ratio Lower Upper

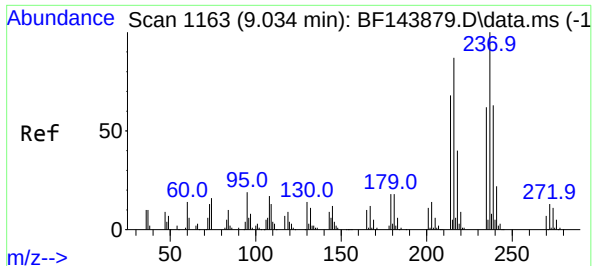
216 100

214 79.0 62.6 94.0

179 19.9 15.4 23.0

108 15.3 12.0 18.0





#41

Hexachlorocyclopentadiene

Concen: 38.99 ng

RT: 9.033 min Scan# 1163

Delta R.T. 0.000 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

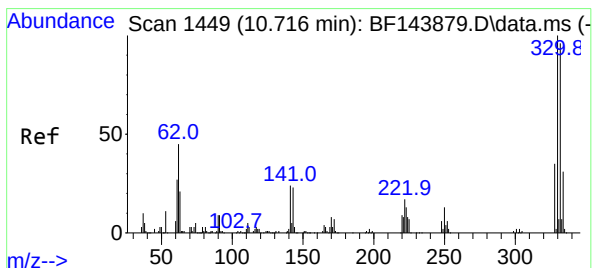
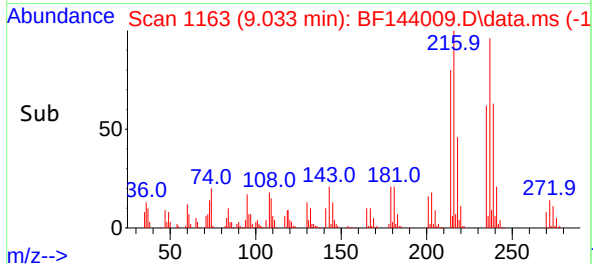
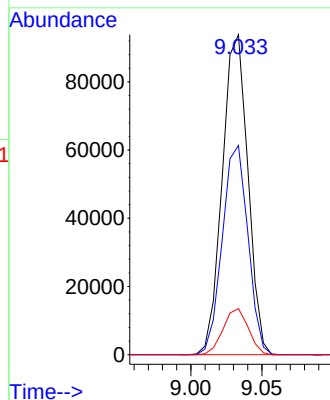
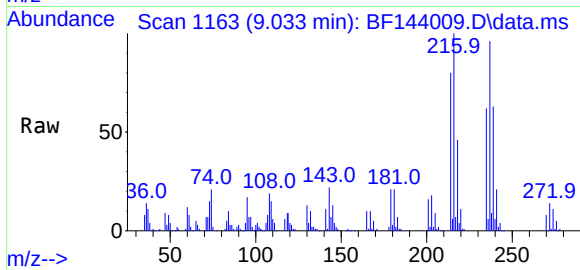
Tgt Ion:237 Resp: 117733

Ion Ratio Lower Upper

237 100

235 65.4 42.3 82.3

272 14.4 0.0 33.1



#42

2,4,6-Tribromophenol

Concen: 76.64 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

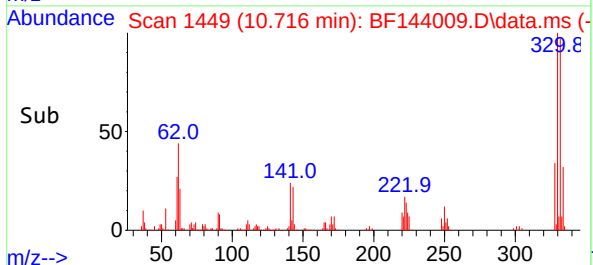
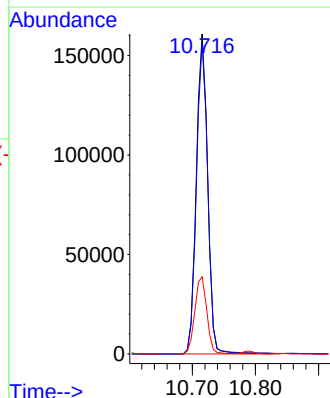
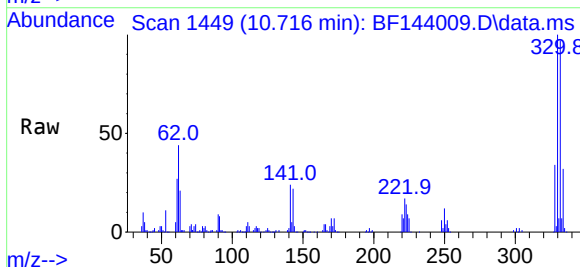
Tgt Ion:330 Resp: 201018

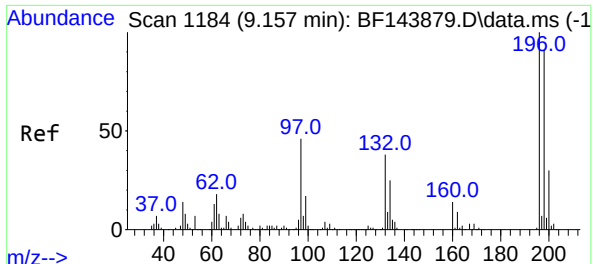
Ion Ratio Lower Upper

330 100

332 96.5 76.9 115.3

141 25.1 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 39.06 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

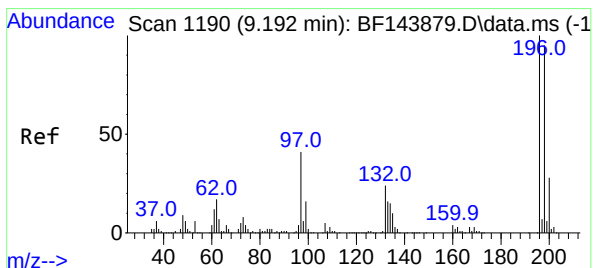
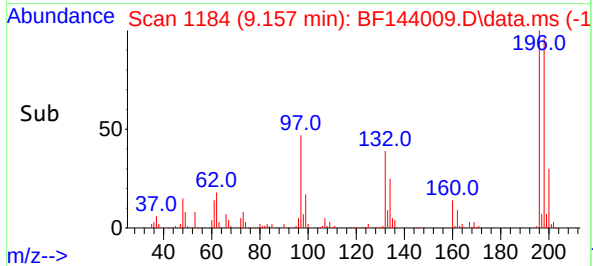
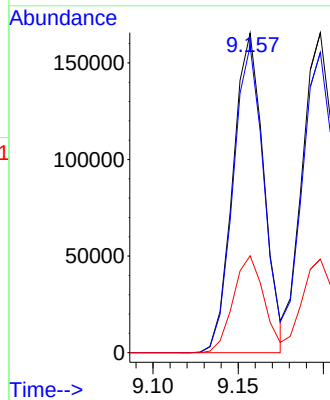
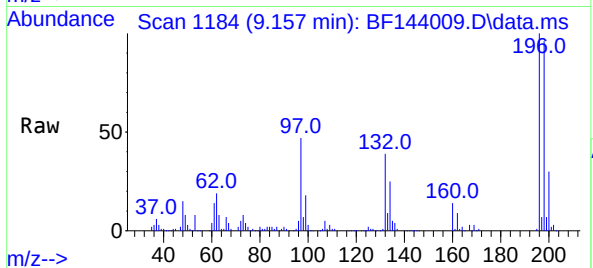
Tgt Ion:196 Resp: 207739

Ion Ratio Lower Upper

196 100

198 96.1 72.8 109.2

200 30.4 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 40.50 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion:196 Resp: 227628

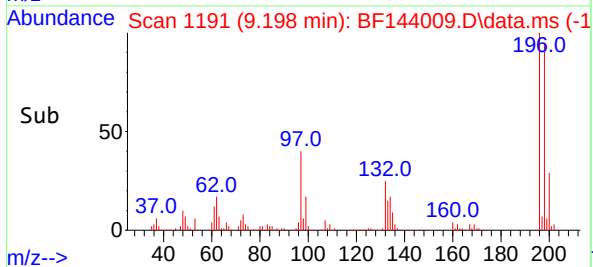
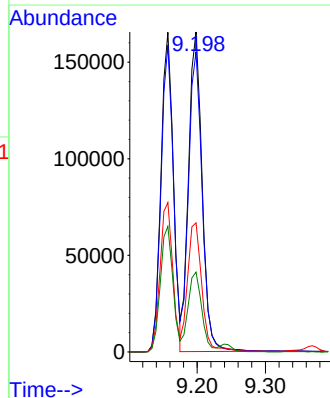
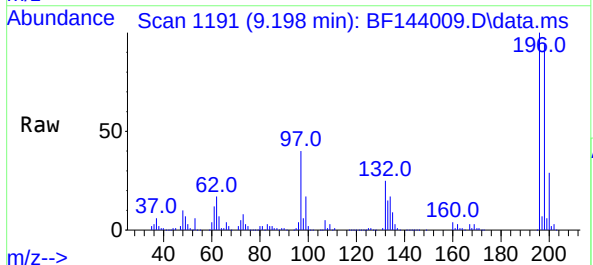
Ion Ratio Lower Upper

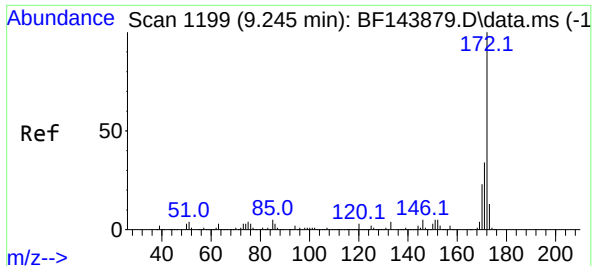
196 100

198 93.9 75.5 113.3

97 40.4 33.9 50.9

132 24.9 20.0 30.0





#45

2-Fluorobiphenyl

Concen: 74.52 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

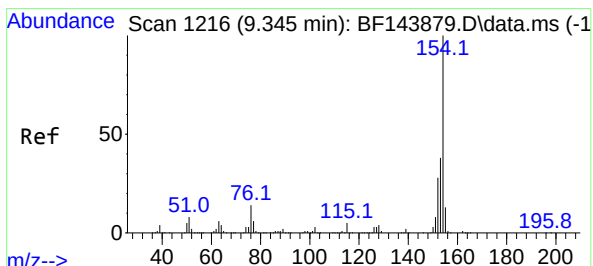
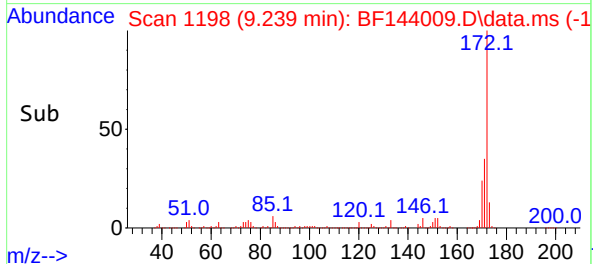
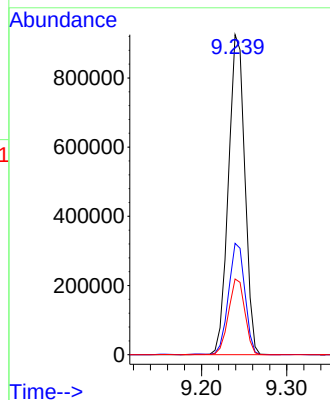
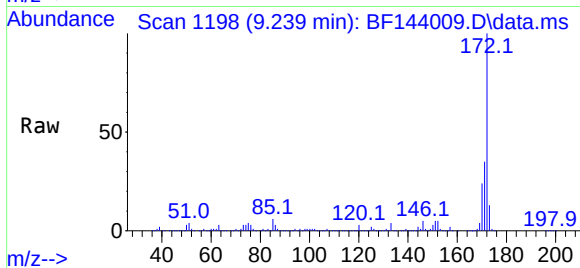
Tgt Ion:172 Resp: 1236786

Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

170 23.6 18.6 28.0



#46

1,1'-Biphenyl

Concen: 38.75 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

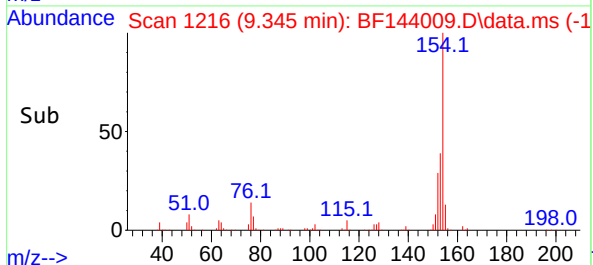
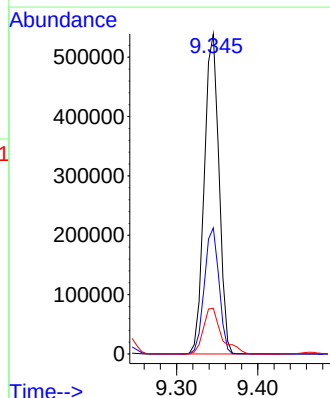
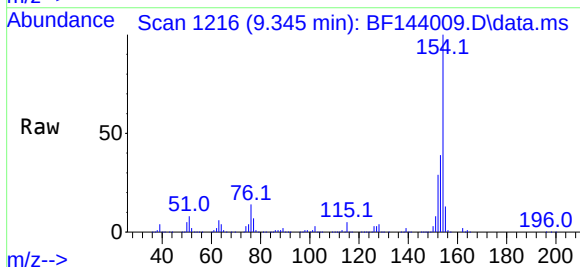
Tgt Ion:154 Resp: 675634

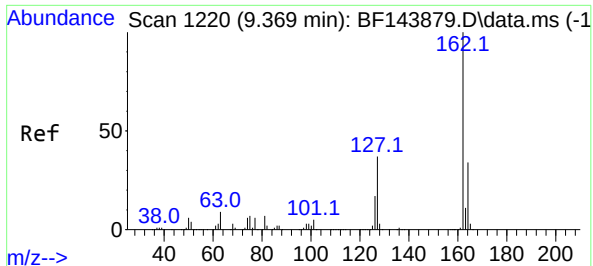
Ion Ratio Lower Upper

154 100

153 39.4 18.4 58.4

76 14.3 0.0 34.0

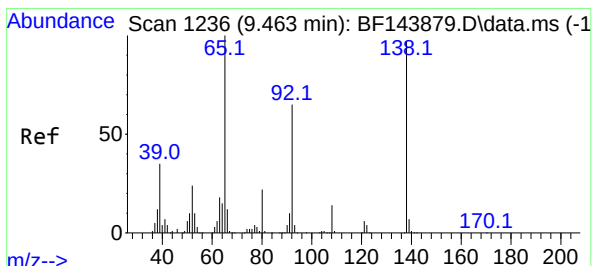
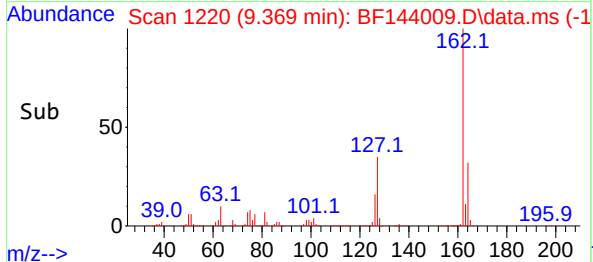
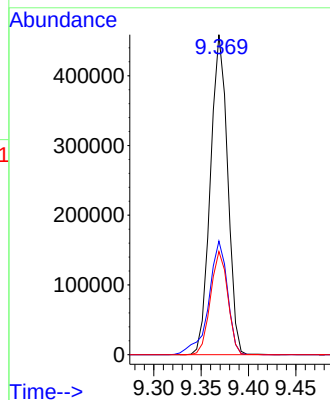
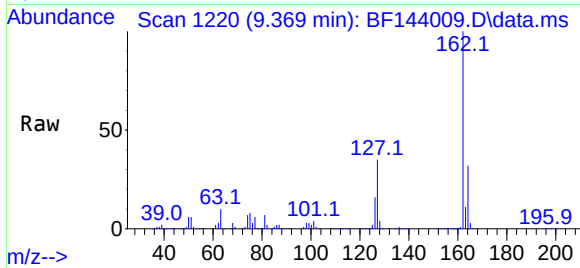




#47
2-Chloronaphthalene
Concen: 39.83 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

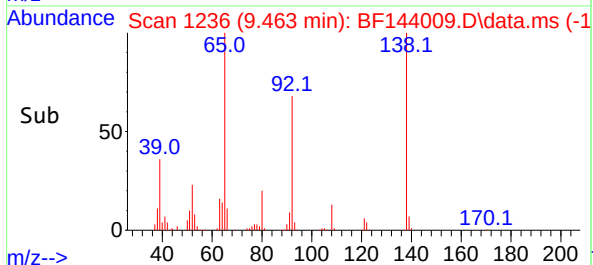
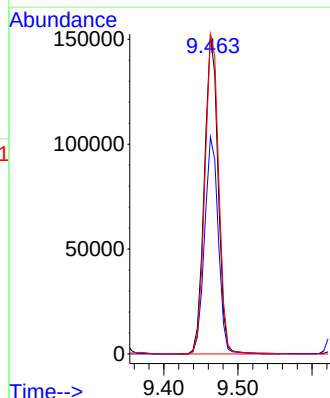
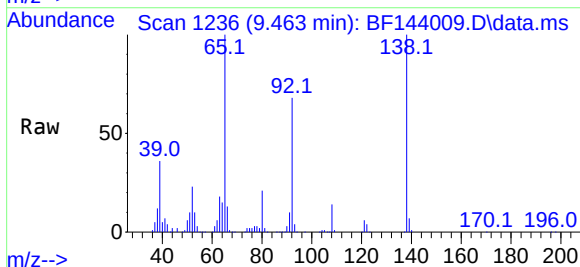
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

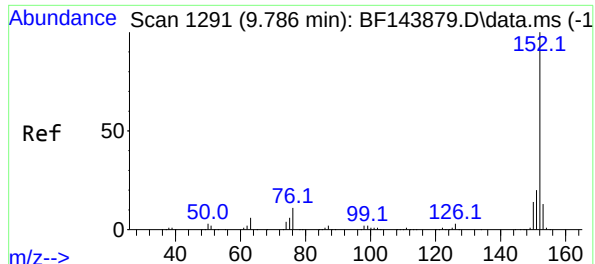
Tgt Ion:162 Resp: 579022
Ion Ratio Lower Upper
162 100
127 35.5 30.2 45.2
164 32.2 26.9 40.3



#48
2-Nitroaniline
Concen: 42.59 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion: 65 Resp: 195755
Ion Ratio Lower Upper
65 100
92 67.7 52.1 78.1
138 99.9 77.4 116.2





#49

Acenaphthylene

Concen: 39.46 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

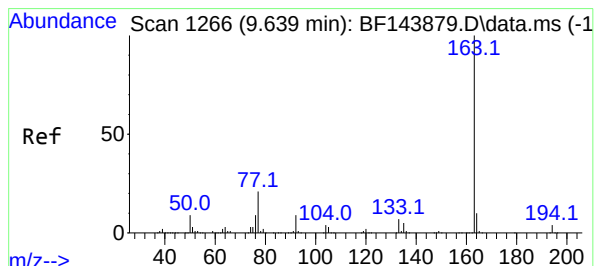
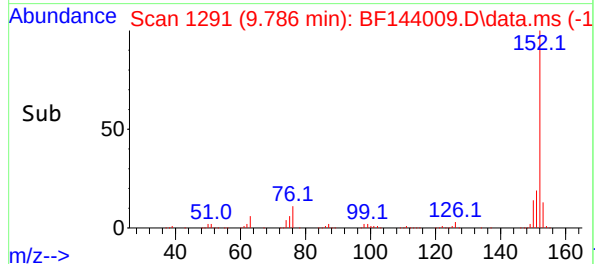
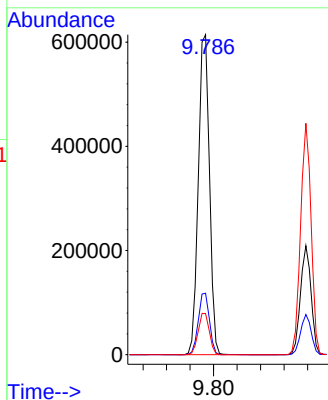
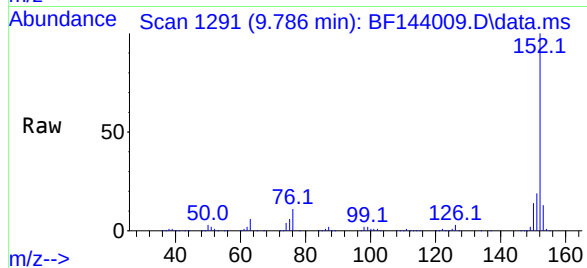
Tgt Ion:152 Resp: 806476

Ion Ratio Lower Upper

152 100

151 19.2 15.8 23.6

153 12.9 10.5 15.7



#50

Dimethylphthalate

Concen: 39.24 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

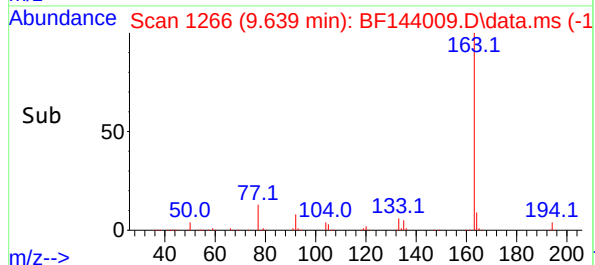
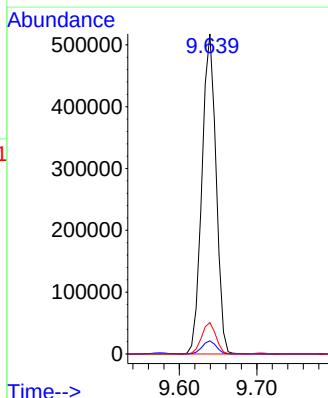
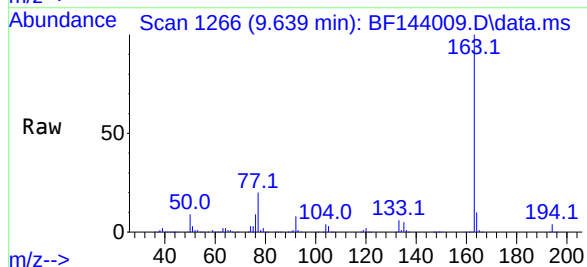
Tgt Ion:163 Resp: 656275

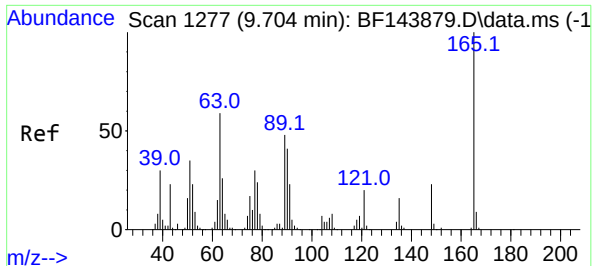
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.8 8.1 12.1

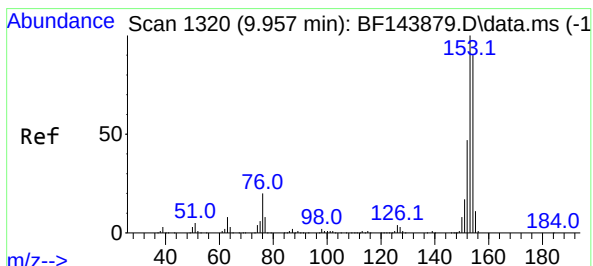
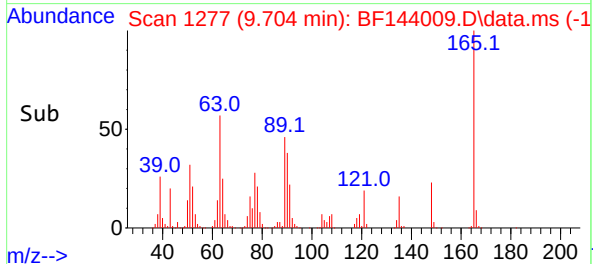
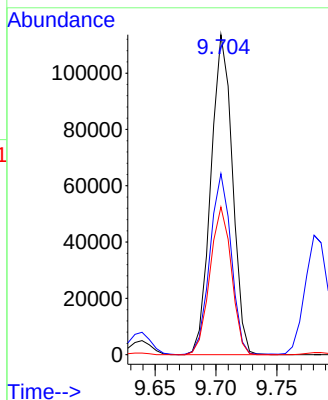
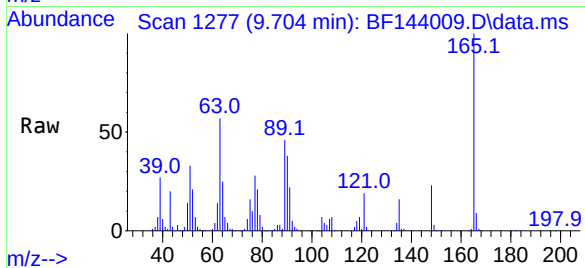




#51
2,6-Dinitrotoluene
Concen: 44.99 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

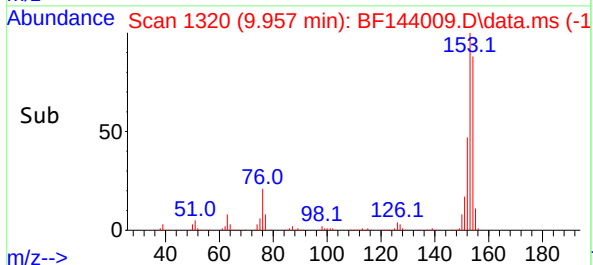
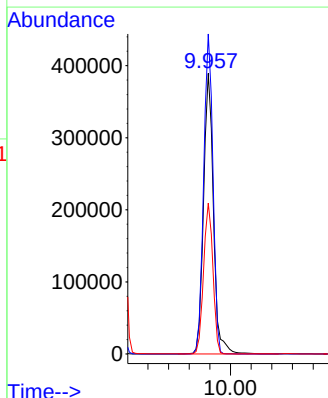
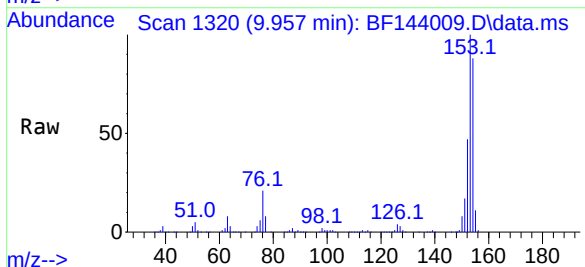
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

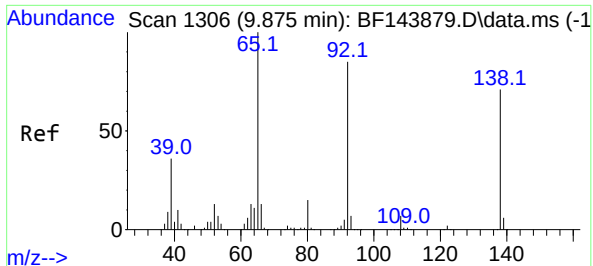
Tgt Ion:165 Resp: 139509
Ion Ratio Lower Upper
165 100
63 56.6 47.3 70.9
89 46.1 38.2 57.4



#52
Acenaphthene
Concen: 38.55 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:154 Resp: 516301
Ion Ratio Lower Upper
154 100
153 114.0 89.3 133.9
152 53.8 42.2 63.2





#53

3-Nitroaniline

Concen: 41.46 ng

RT: 9.875 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

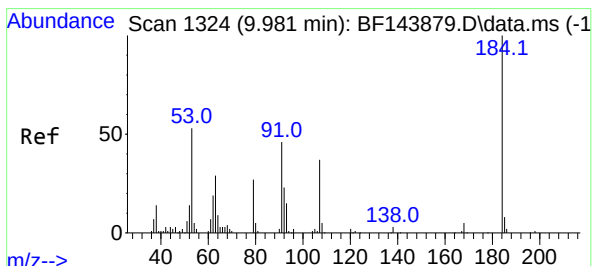
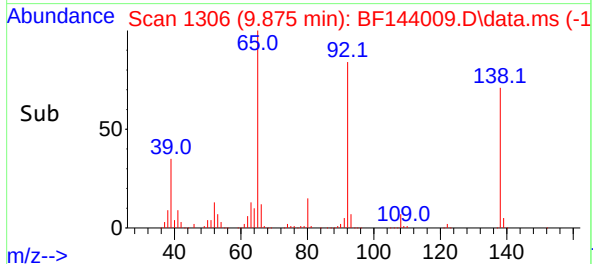
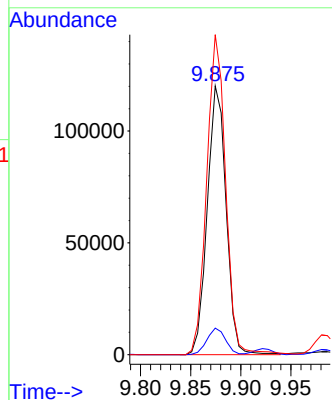
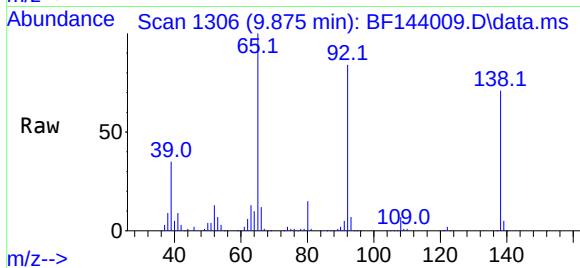
Tgt Ion:138 Resp: 157431

Ion Ratio Lower Upper

138 100

108 9.9 8.3 12.5

92 119.1 96.2 144.2



#54

2,4-Dinitrophenol

Concen: 33.42 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.000 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

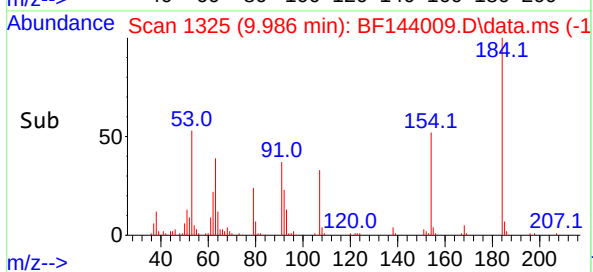
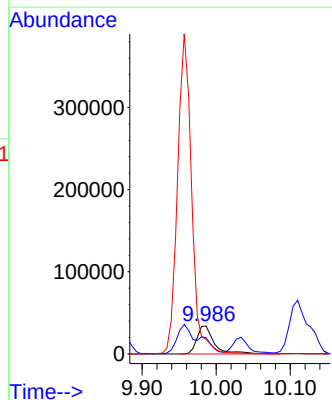
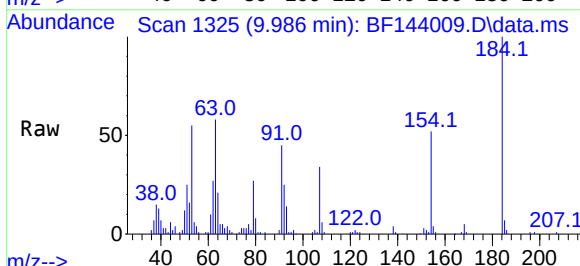
Tgt Ion:184 Resp: 55464

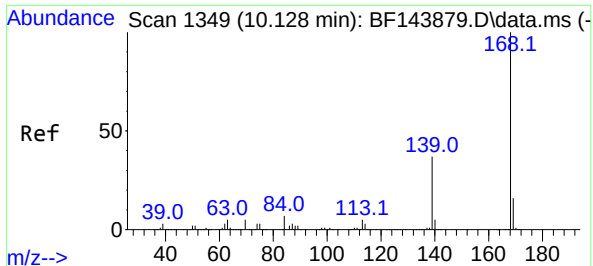
Ion Ratio Lower Upper

184 100

63 57.6 48.2 72.4

154 52.2 49.2 73.8





#55

Dibenzenofuran

Concen: 39.36 ng

RT: 10.127 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

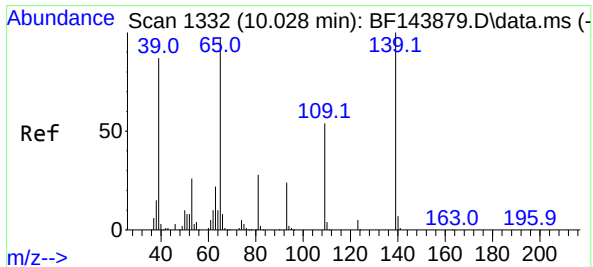
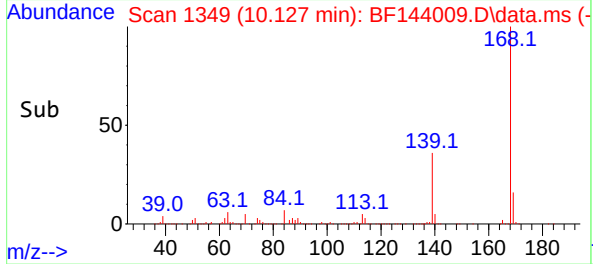
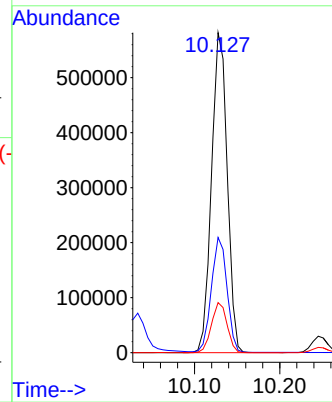
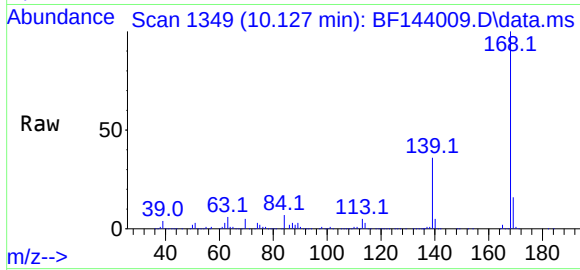
Tgt Ion:168 Resp: 744098

Ion Ratio Lower Upper

168 100

139 36.0 29.8 44.8

169 15.6 12.8 19.2



#56

4-Nitrophenol

Concen: 36.03 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

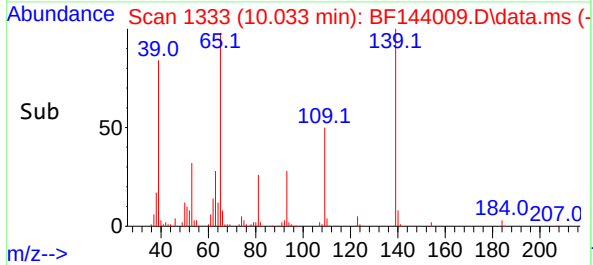
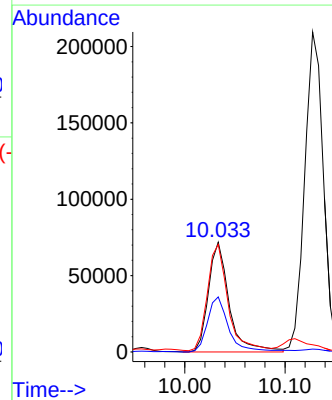
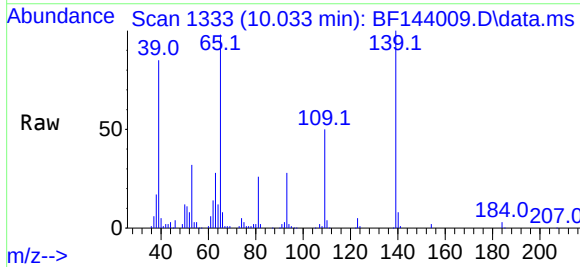
Tgt Ion:139 Resp: 103581

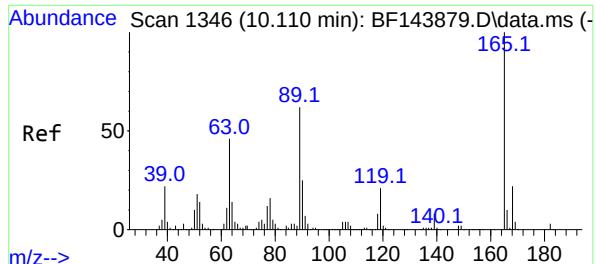
Ion Ratio Lower Upper

139 100

109 50.1 34.5 74.5

65 98.0 77.6 117.6





#57

2,4-Dinitrotoluene

Concen: 43.65 ng

RT: 10.110 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 184180

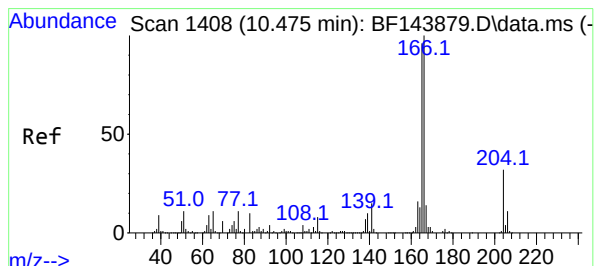
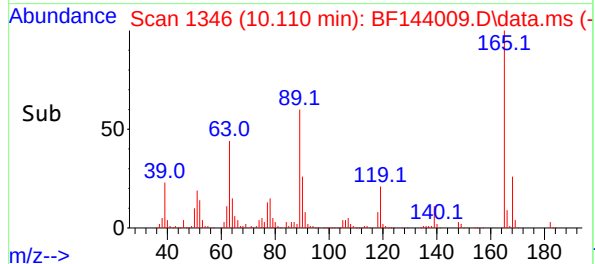
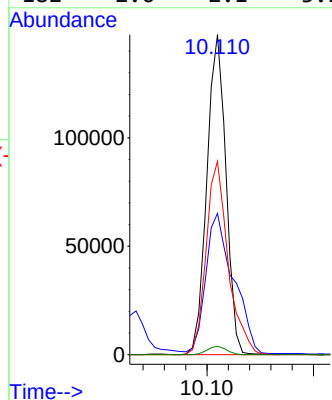
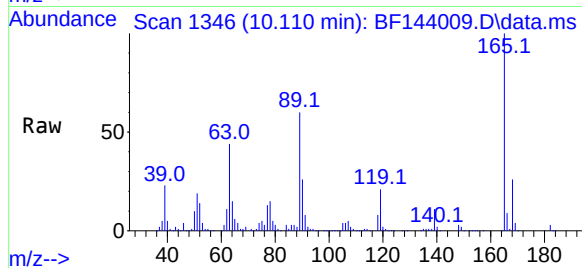
Ion Ratio Lower Upper

165 100

63 44.2 37.2 55.8

89 60.4 49.4 74.2

182 2.6 2.1 3.1



#58

Fluorene

Concen: 38.86 ng

RT: 10.475 min Scan# 1408

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

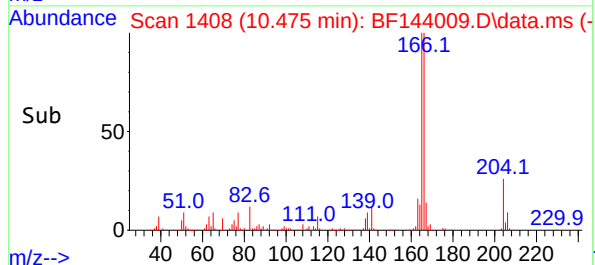
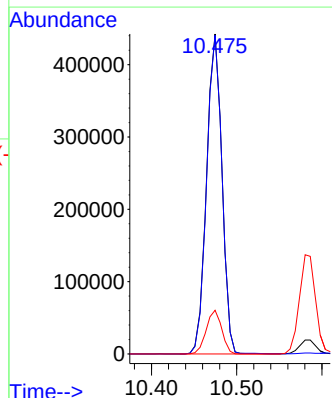
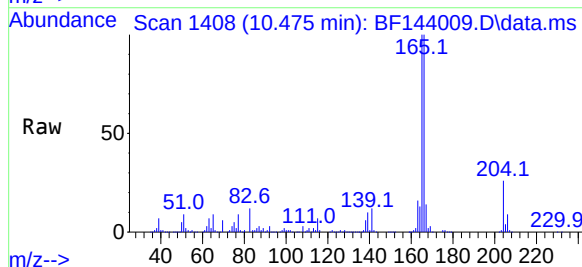
Tgt Ion:166 Resp: 554334

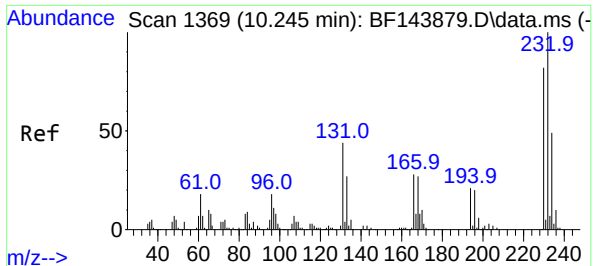
Ion Ratio Lower Upper

166 100

165 99.6 77.0 115.6

167 13.6 11.1 16.7

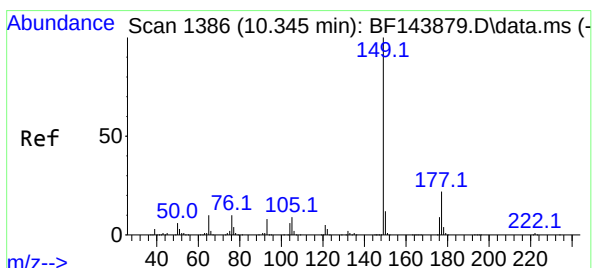
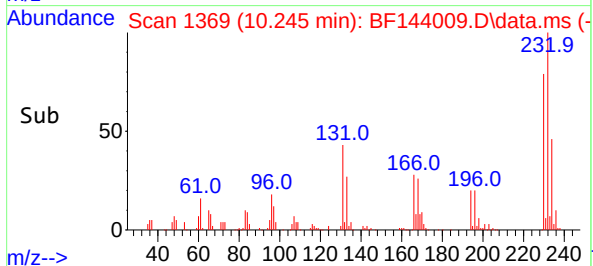
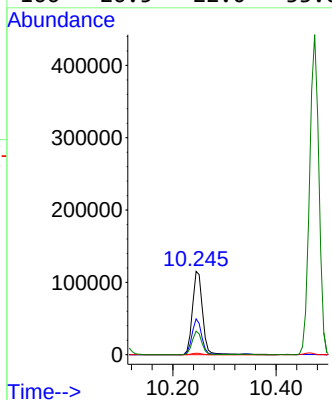
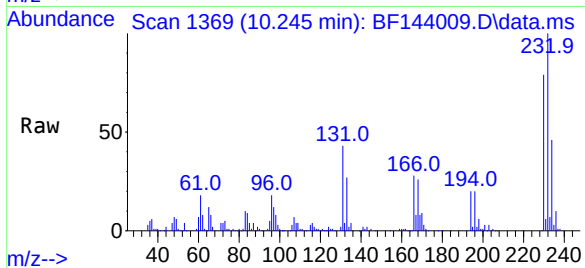




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.55 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

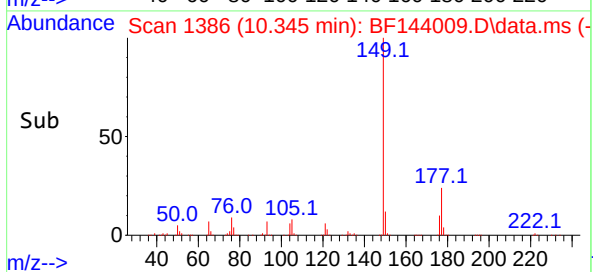
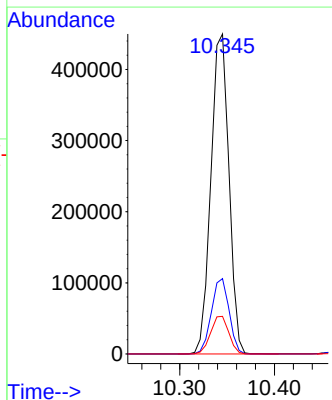
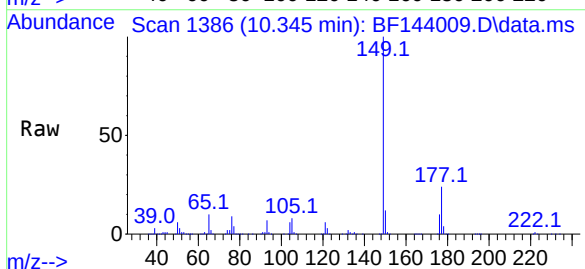
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 157324
Ion Ratio Lower Upper
232 100
131 41.1 34.9 52.3
130 1.6 1.6 2.4#
166 26.5 22.0 33.0

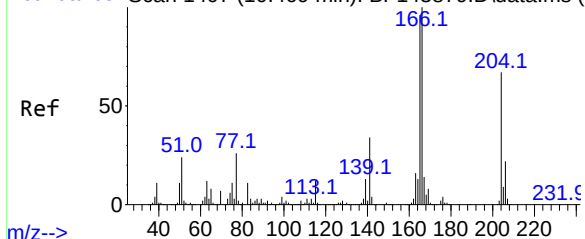


#60
Diethylphthalate
Concen: 38.20 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:149 Resp: 593454
Ion Ratio Lower Upper
149 100
177 23.6 17.9 26.9
150 11.7 9.8 14.8



Abundance Scan 1407 (10.469 min): BF143879.D\data.ms (-



#61

4-Chlorophenyl-phenylether

Concen: 39.20 ng

RT: 10.463 min Scan# 1407

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

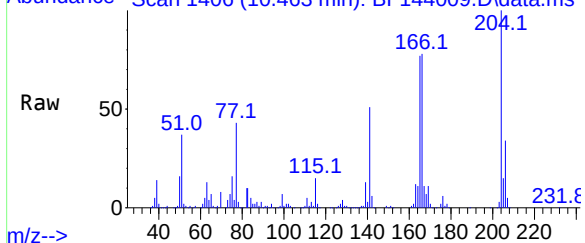
Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

m/z--> Abundance Scan 1406 (10.463 min): BF144009.D\data.ms (-



Tgt Ion:204 Resp: 295638

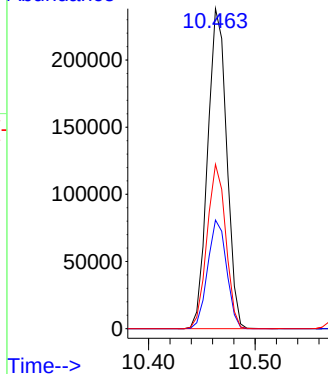
Ion Ratio Lower Upper

204 100

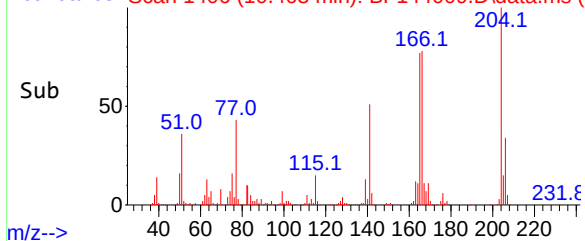
206 34.0 26.6 40.0

141 51.3 40.4 60.6

Abundance

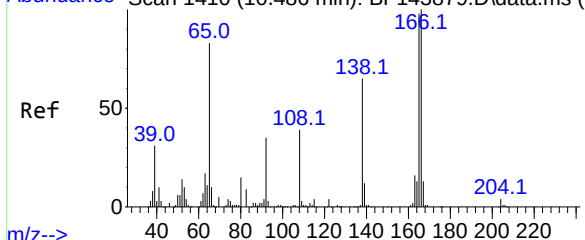


Abundance Scan 1406 (10.463 min): BF144009.D\data.ms (-



Time-->

Abundance Scan 1410 (10.486 min): BF143879.D\data.ms (-



#62

4-Nitroaniline

Concen: 40.08 ng

RT: 10.492 min Scan# 1411

Delta R.T. -0.018 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion:138 Resp: 146339

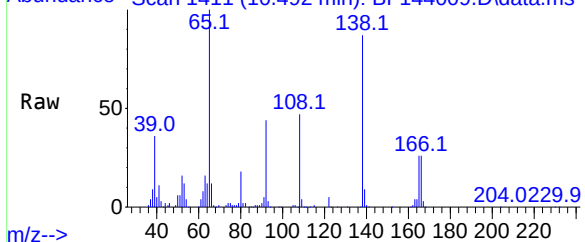
Ion Ratio Lower Upper

138 100

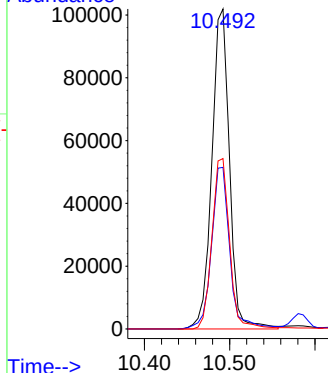
92 50.5 33.9 73.9

108 53.3 40.2 80.2

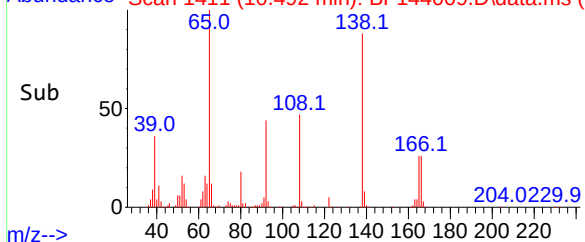
m/z--> Abundance Scan 1411 (10.492 min): BF144009.D\data.ms (-



Abundance

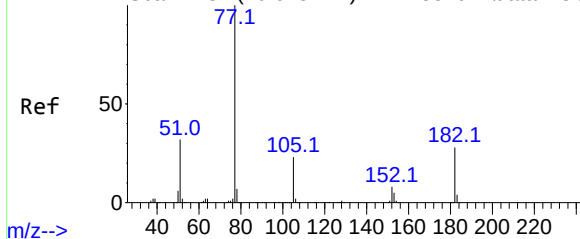


Abundance Scan 1411 (10.492 min): BF144009.D\data.ms (-



Time-->

Abundance Scan 1434 (10.628 min): BF143879.D\data.ms (-



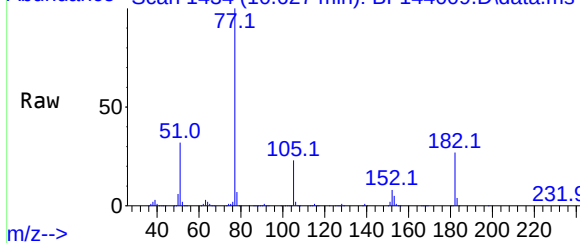
#63
Azobenzene
Concen: 39.26 ng
RT: 10.627 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

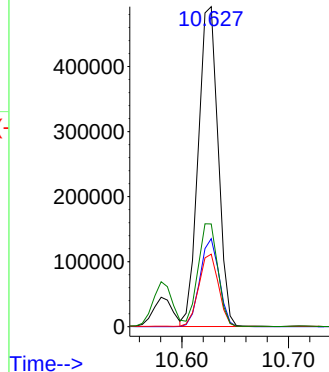
Tgt Ion: 77 Resp: 637557

Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.3	47.3
105	22.7	3.0	43.0
51	32.1	13.5	53.5

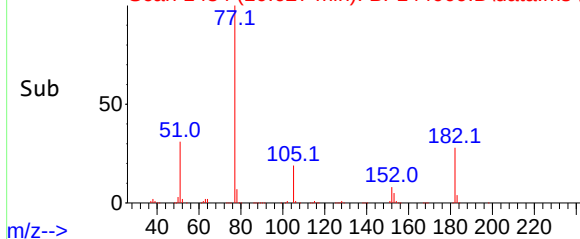
Abundance Scan 1434 (10.627 min): BF144009.D\data.ms



Abundance



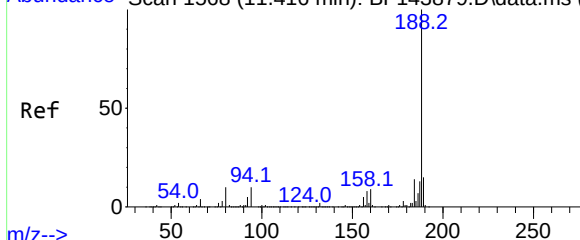
Abundance Scan 1434 (10.627 min): BF144009.D\data.ms (-



m/z-->

Time-->

Abundance Scan 1568 (11.416 min): BF143879.D\data.ms (-

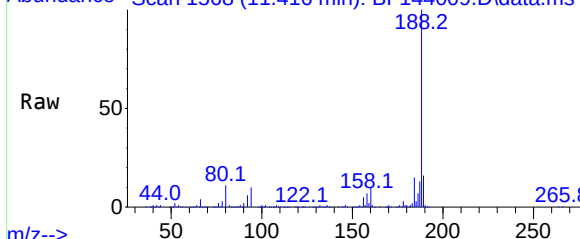


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

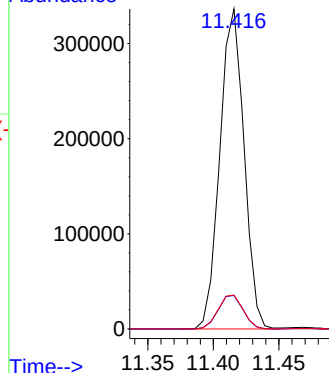
Tgt Ion: 188 Resp: 430811

Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.8	11.6
80	10.6	7.9	11.9

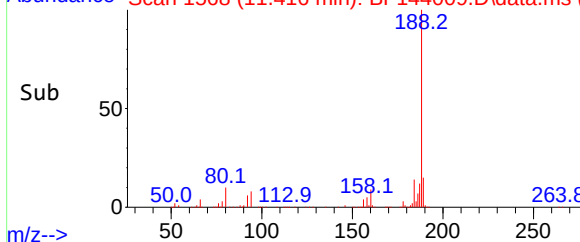
Abundance Scan 1568 (11.416 min): BF144009.D\data.ms



Abundance

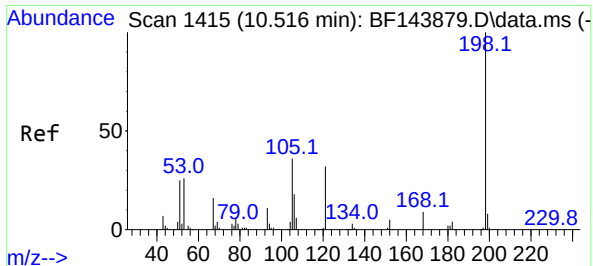


Abundance Scan 1568 (11.416 min): BF144009.D\data.ms (-



m/z-->

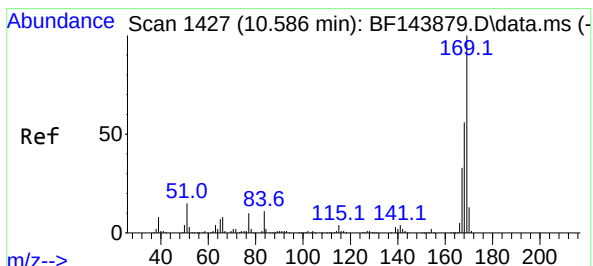
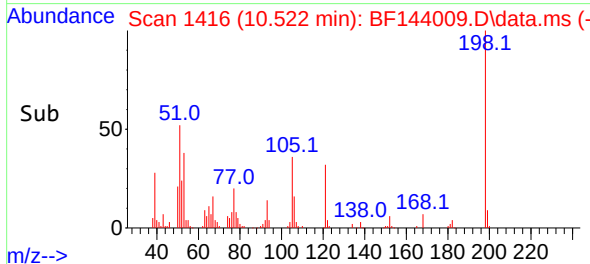
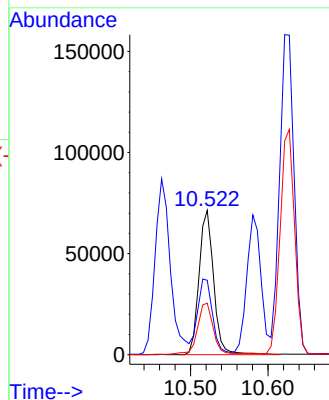
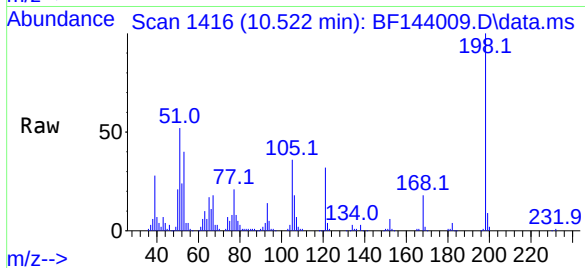
Time-->



#65
4,6-Dinitro-2-methylphenol
Concen: 43.30 ng
RT: 10.522 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

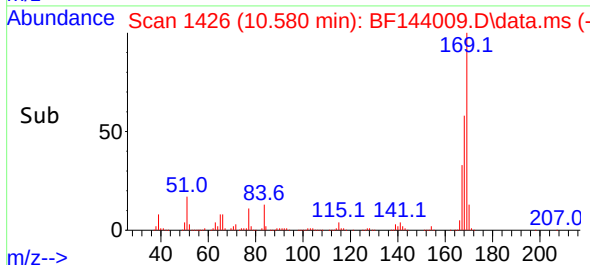
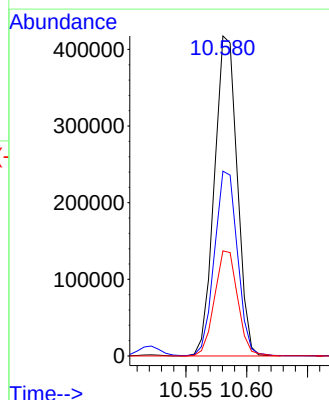
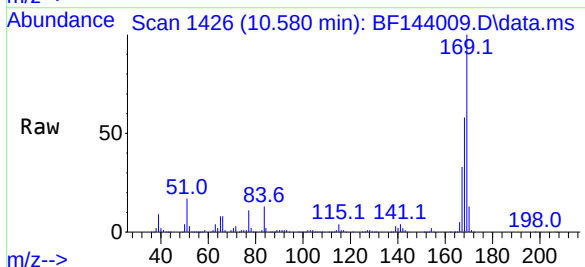
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

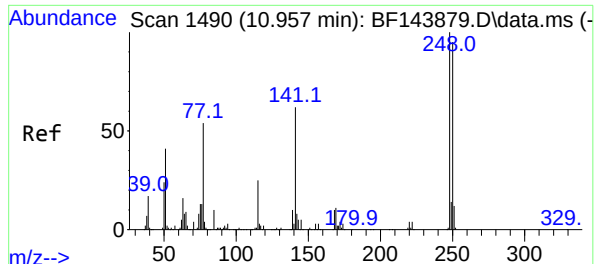
Tgt Ion:198	Resp:	93751
Ion Ratio	Lower	Upper
198	100	
51	51.6	33.8
105	35.7	17.0



#66
n-Nitrosodiphenylamine
Concen: 40.25 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:169	Resp:	544516
Ion Ratio	Lower	Upper
169	100	
168	57.8	44.9
167	32.9	26.3

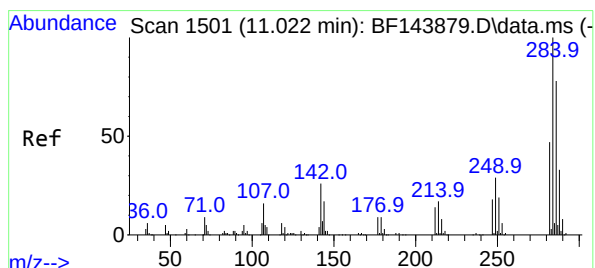
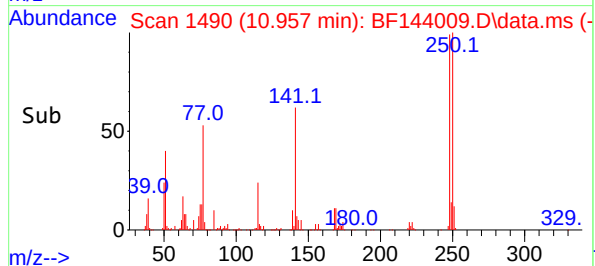
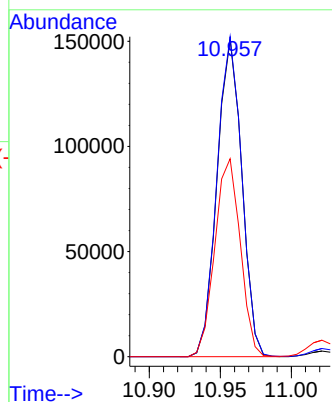
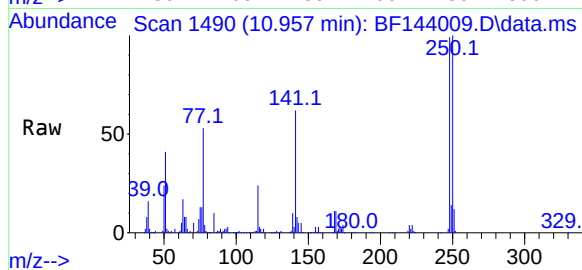




#67
4-Bromophenyl-phenylether
Concen: 38.56 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

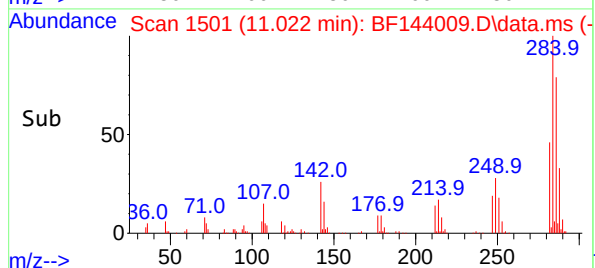
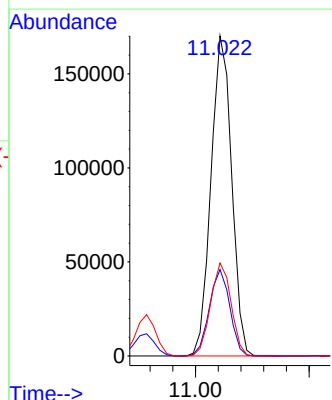
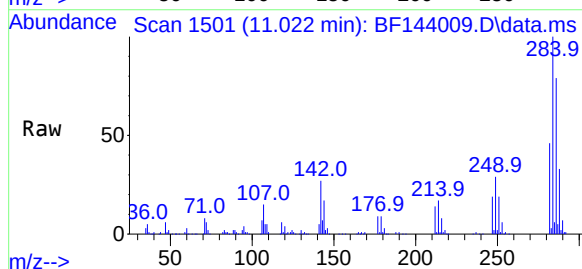
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

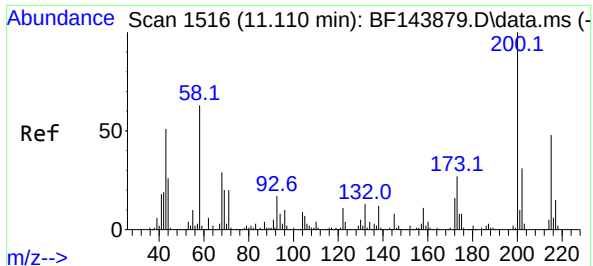
Tgt Ion:248 Resp: 183591
Ion Ratio Lower Upper
248 100
250 100.8 76.3 114.5
141 62.4 49.7 74.5



#68
Hexachlorobenzene
Concen: 38.98 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:284 Resp: 214871
Ion Ratio Lower Upper
284 100
142 27.0 20.6 30.8
249 29.1 23.2 34.8





#69

Atrazine

Concen: 38.71 ng

RT: 11.110 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

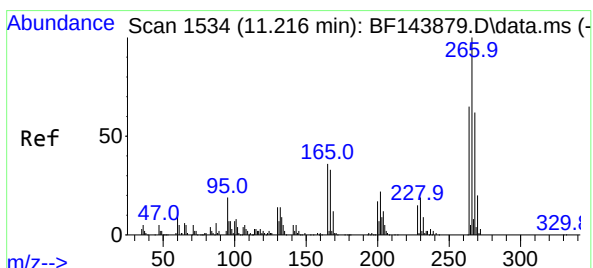
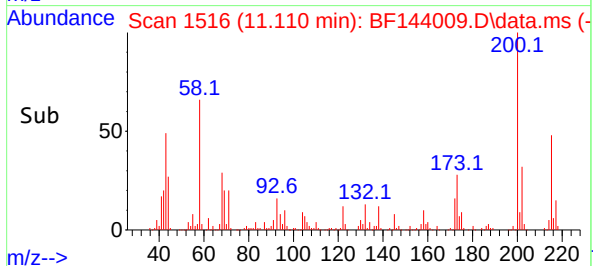
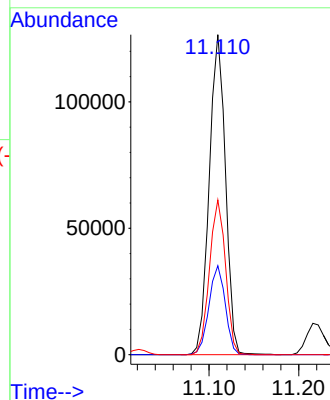
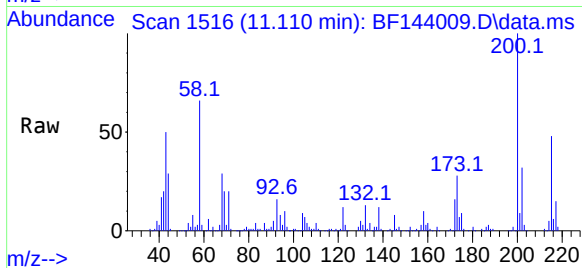
Tgt Ion:200 Resp: 158713

Ion Ratio Lower Upper

200 100

173 27.8 7.0 47.0

215 48.3 27.8 67.8



#70

Pentachlorophenol

Concen: 35.01 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

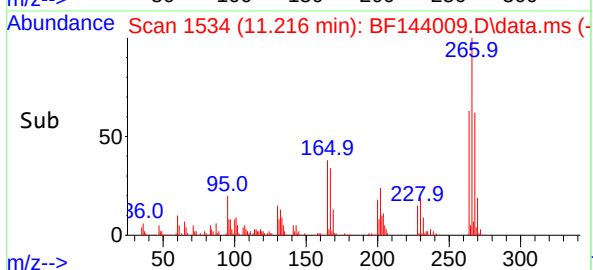
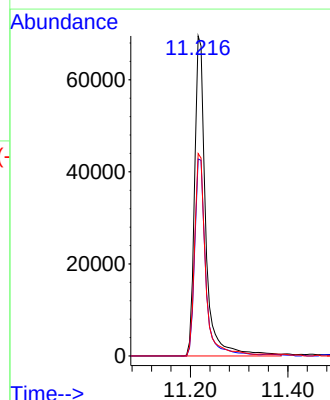
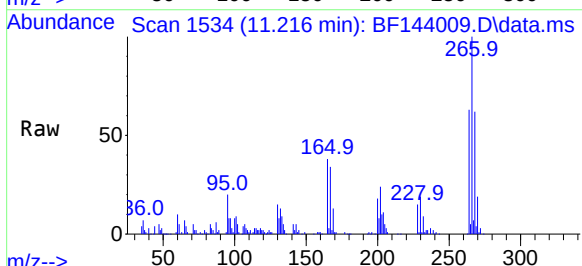
Tgt Ion:266 Resp: 110842

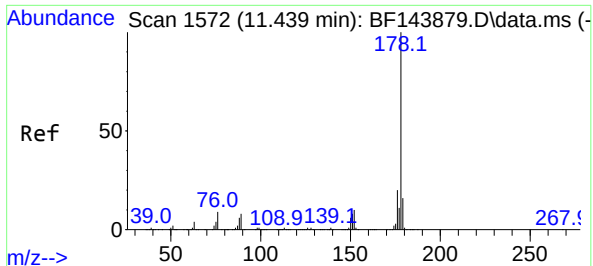
Ion Ratio Lower Upper

266 100

268 61.6 49.4 74.0

264 63.3 51.8 77.6

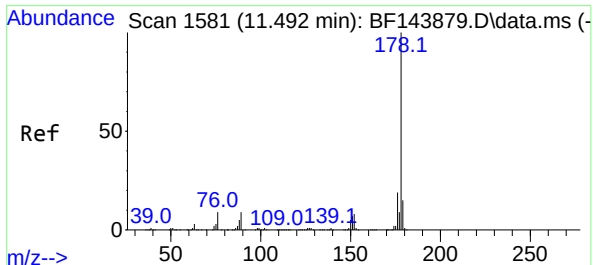
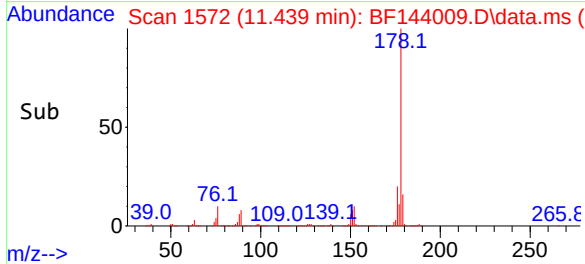
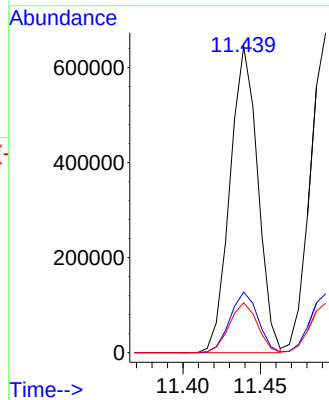
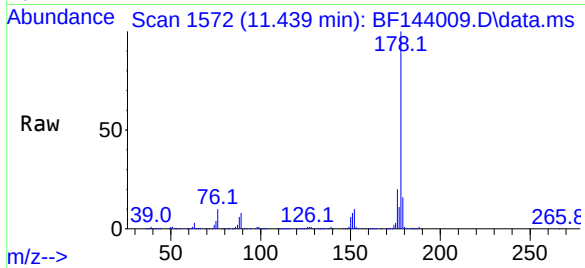




#71
Phenanthrene
Concen: 38.50 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

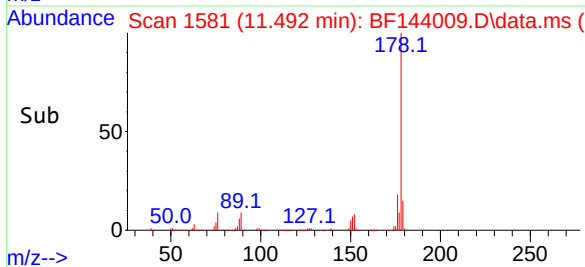
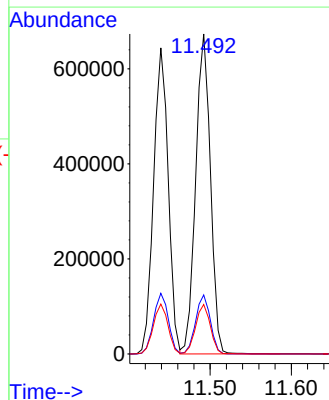
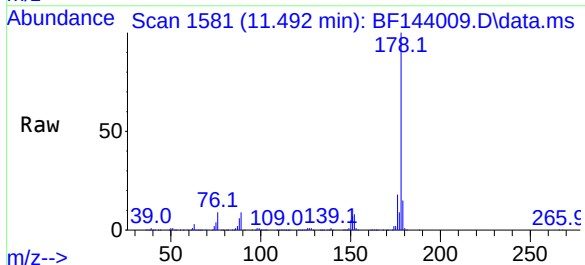
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

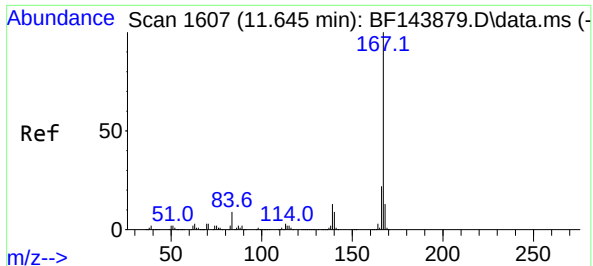
Tgt Ion:178 Resp: 804054
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 16.3 12.4 18.6



#72
Anthracene
Concen: 40.32 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:178 Resp: 850834
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.4 12.2 18.2

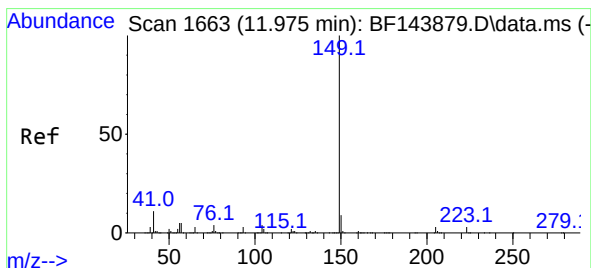
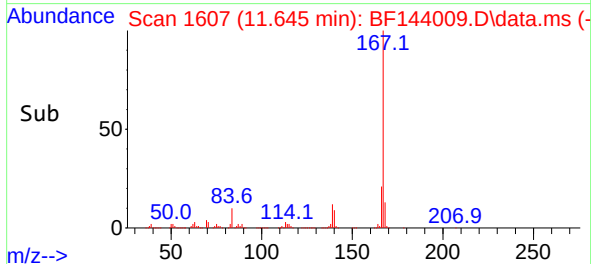
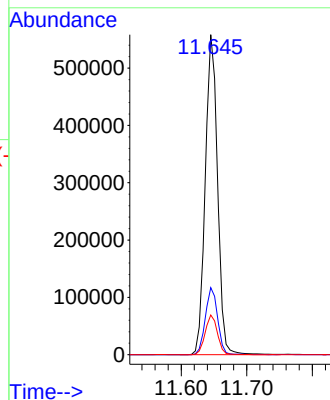
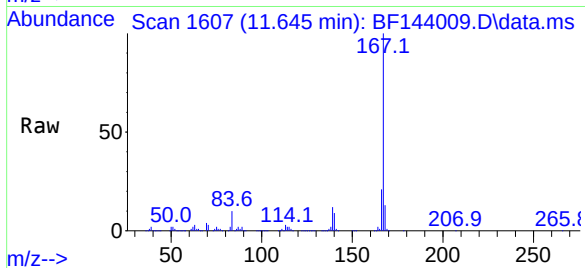




#73
Carbazole
Concen: 38.98 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

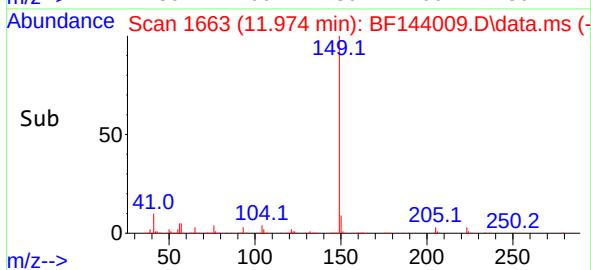
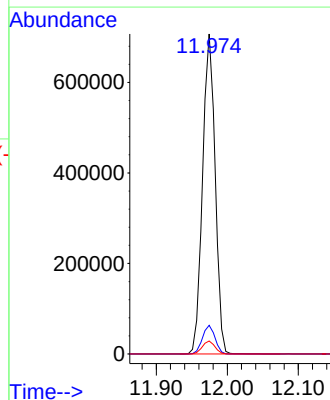
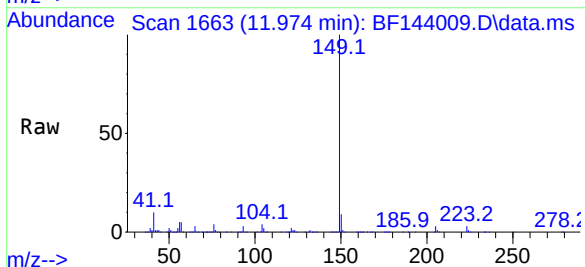
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

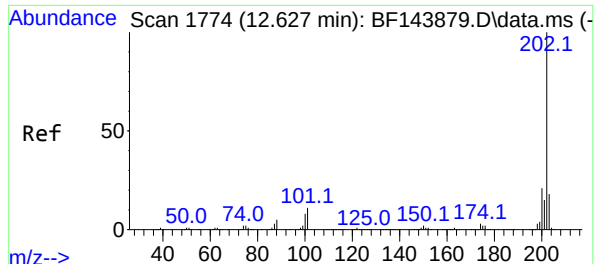
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.2	25.8
139	12.4	10.1	15.1



#74
Di-n-butylphthalate
Concen: 40.33 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.0	3.4	5.2

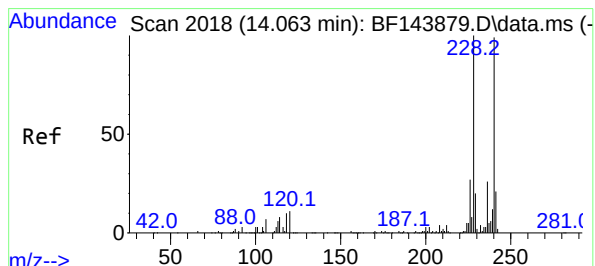
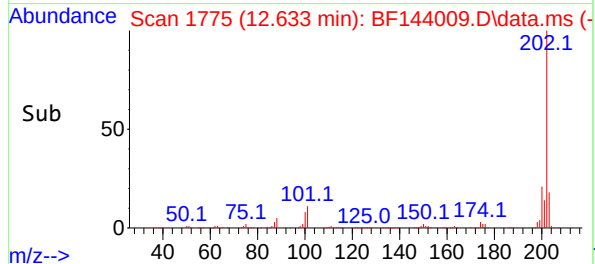
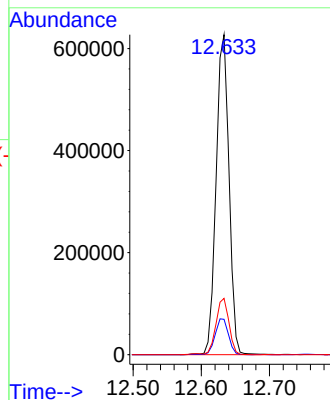
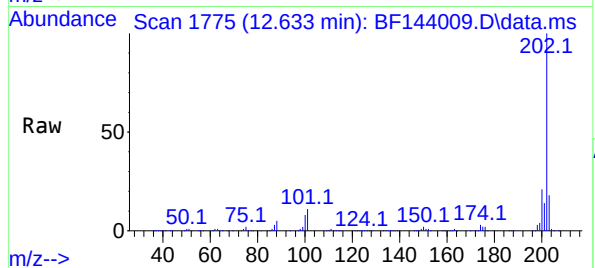




#75
Fluoranthene
Concen: 38.34 ng
RT: 12.633 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

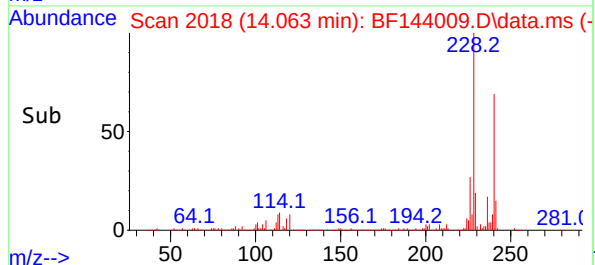
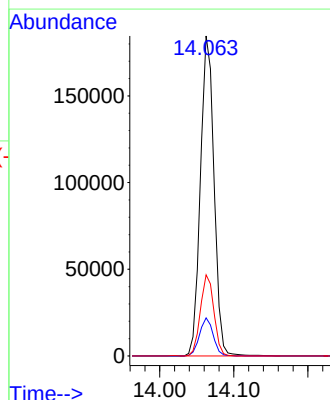
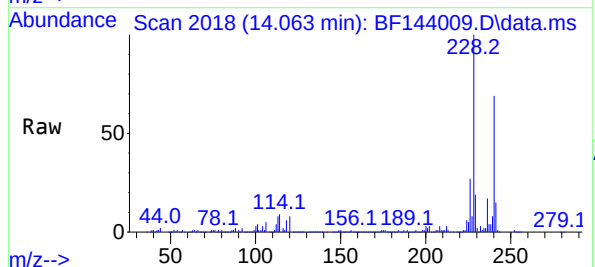
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

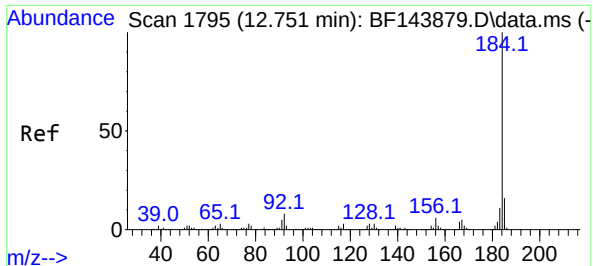
Tgt Ion:202 Resp: 827067
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.7
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

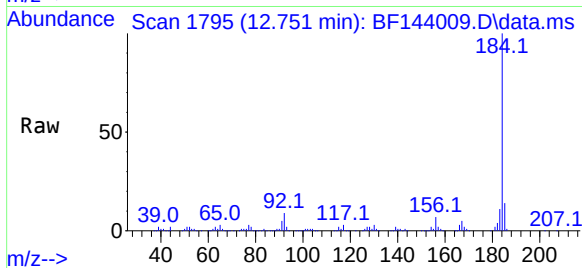
Tgt Ion:240 Resp: 235758
Ion Ratio Lower Upper
240 100
120 11.9 8.6 13.0
236 25.4 21.1 31.7



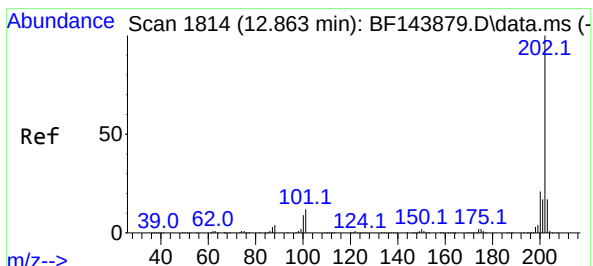
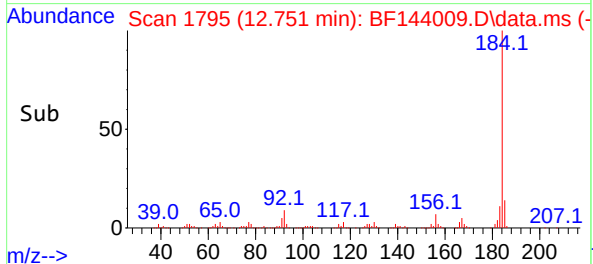
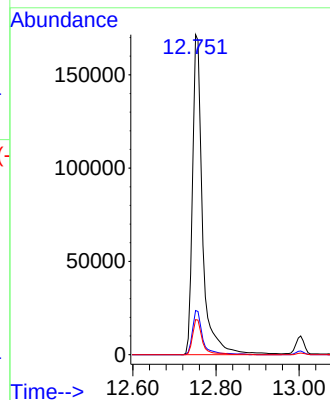


#77
Benzidine
Concen: 35.21 ng
RT: 12.751 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

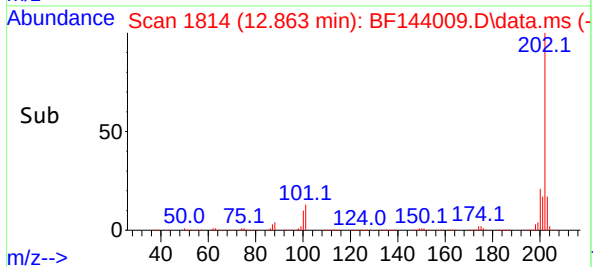
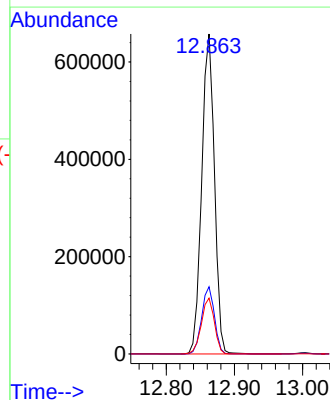
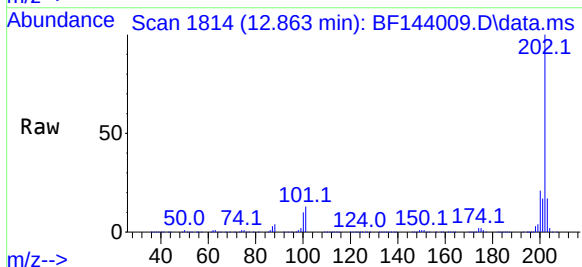


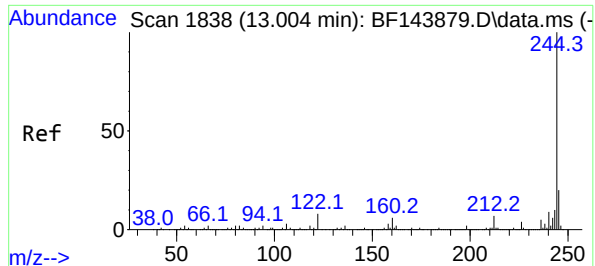
Tgt Ion:184 Resp: 288239
Ion Ratio Lower Upper
184 100
185 13.8 12.6 18.8
183 11.0 8.8 13.2



#78
Pyrene
Concen: 43.29 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:202 Resp: 850887
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 87.63 ng

RT: 13.004 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

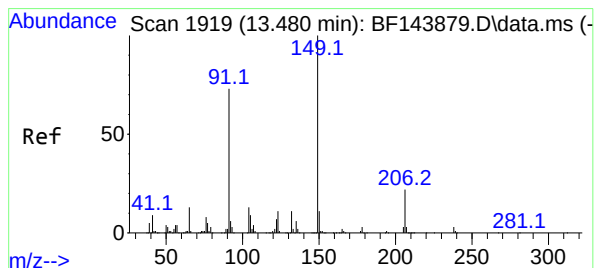
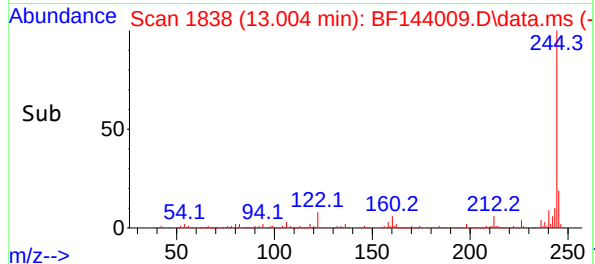
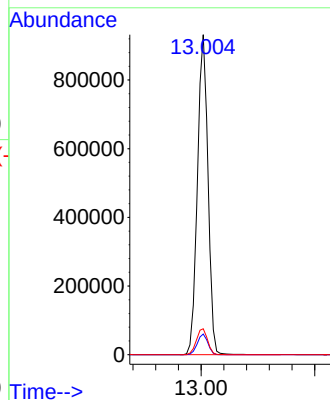
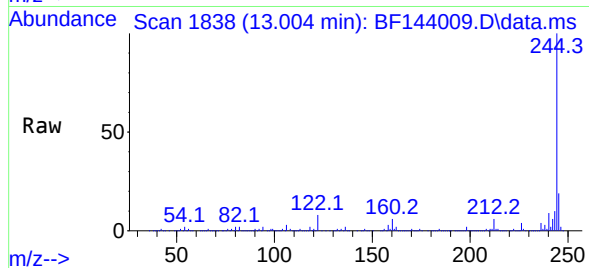
Tgt Ion:244 Resp: 1208859

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 8.1 6.4 9.6



#80

Butylbenzylphthalate

Concen: 41.89 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

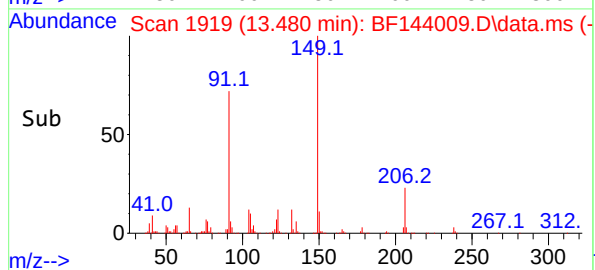
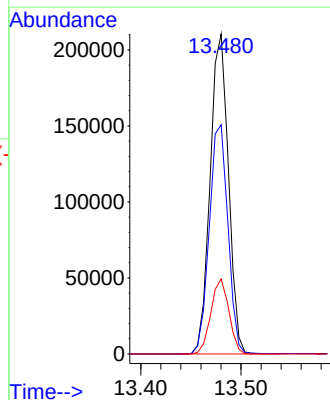
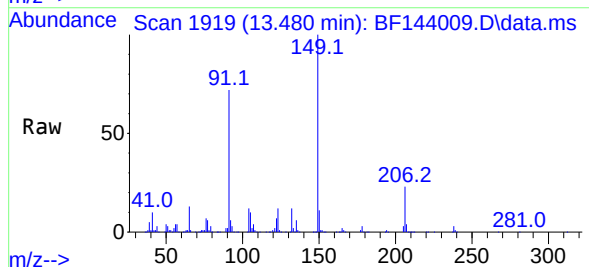
Tgt Ion:149 Resp: 267401

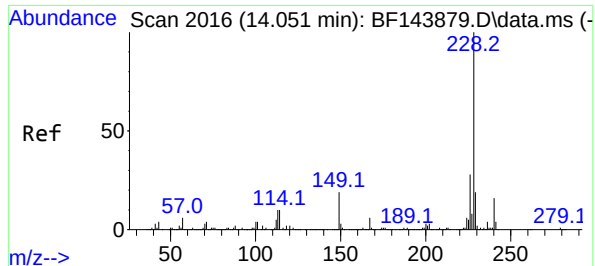
Ion Ratio Lower Upper

149 100

91 71.6 58.2 87.2

206 23.4 17.9 26.9





#81

Benzo(a)anthracene

Concen: 41.93 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

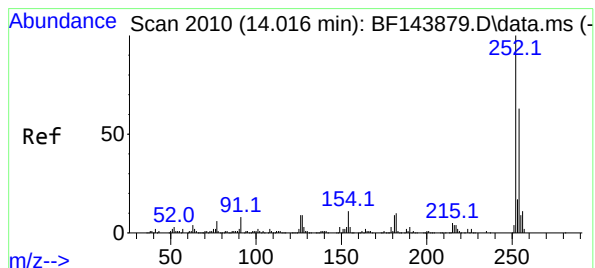
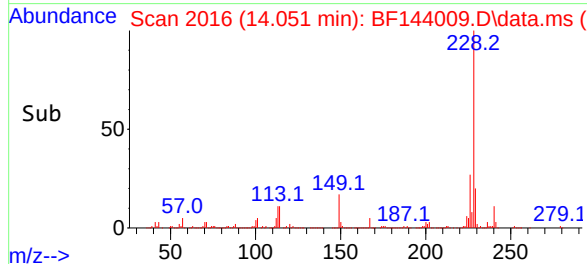
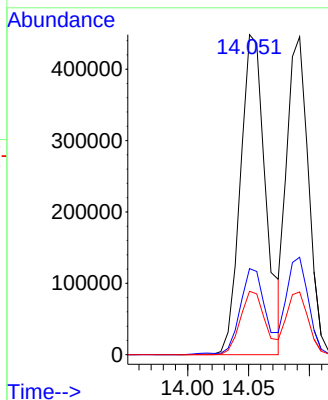
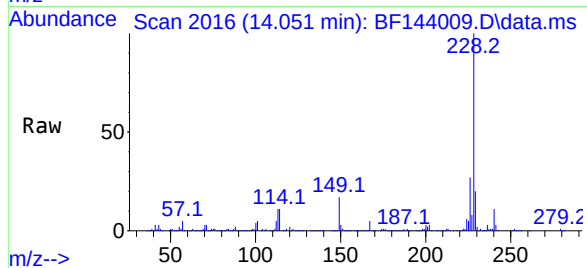
Tgt Ion:228 Resp: 646917

Ion Ratio Lower Upper

228 100

226 26.9 22.2 33.2

229 19.8 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 40.15 ng

RT: 14.015 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

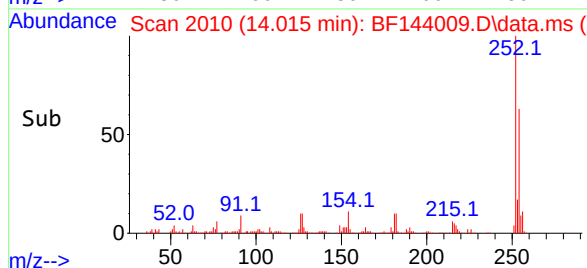
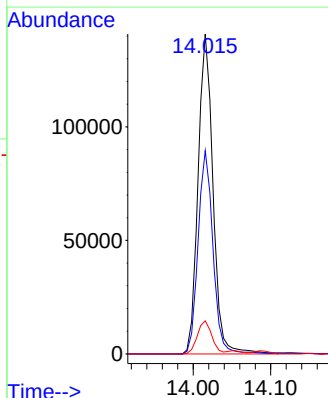
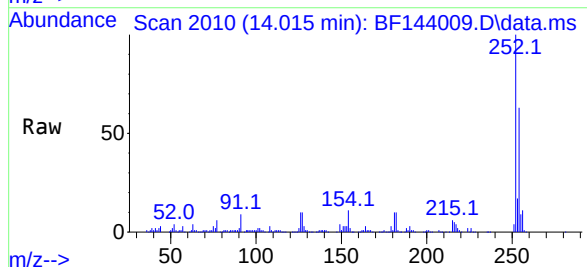
Tgt Ion:252 Resp: 188768

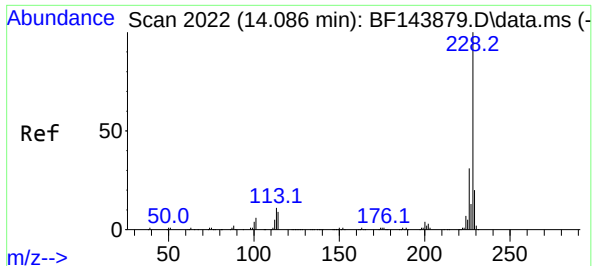
Ion Ratio Lower Upper

252 100

254 63.5 50.6 76.0

126 10.4 7.0 10.6

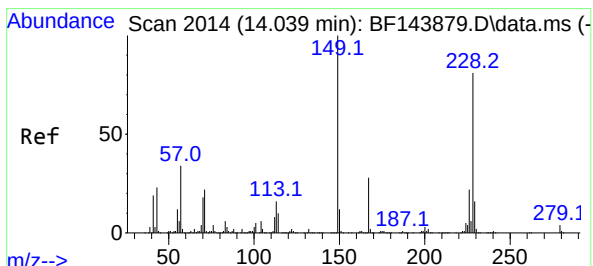
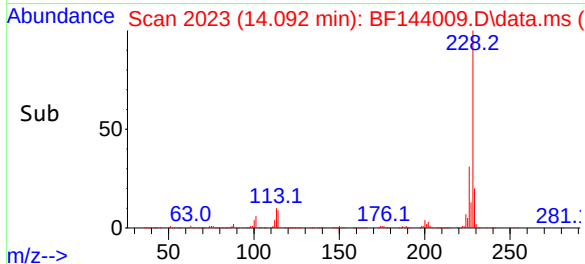
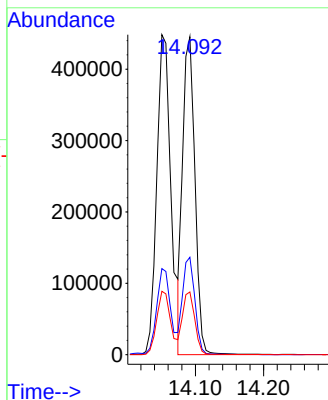
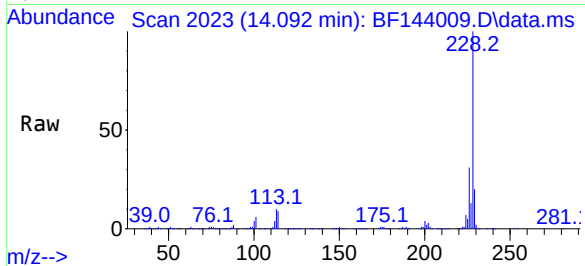




#83
Chrysene
Concen: 38.69 ng
RT: 14.092 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

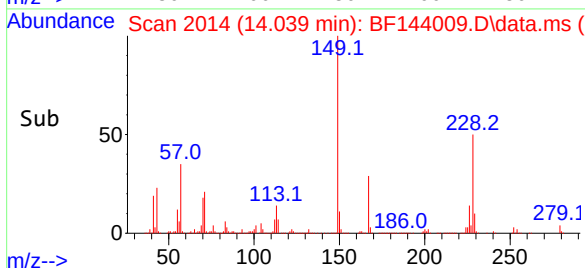
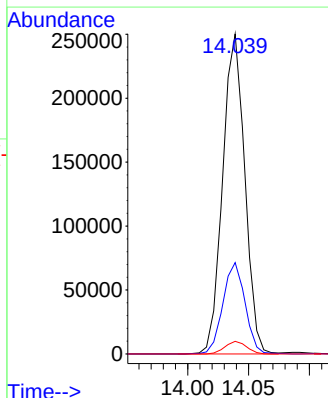
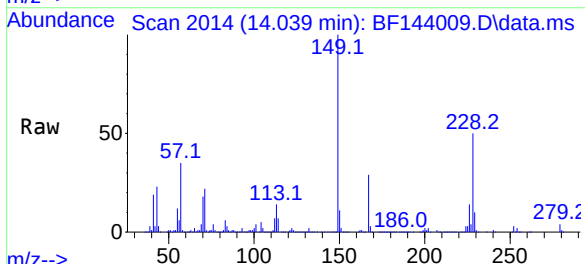
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

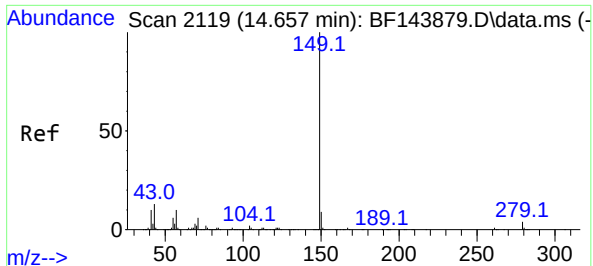
Tgt Ion:228 Resp: 552423
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 19.8 15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 41.13 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:149 Resp: 316468
Ion Ratio Lower Upper
149 100
167 28.6 22.2 33.4
279 4.0 3.1 4.7

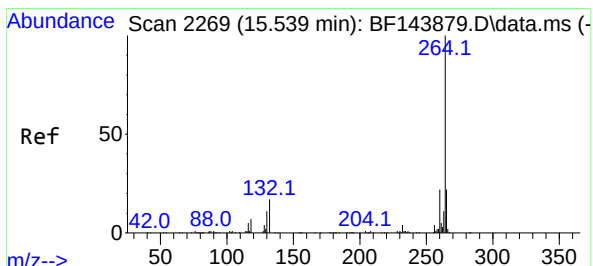
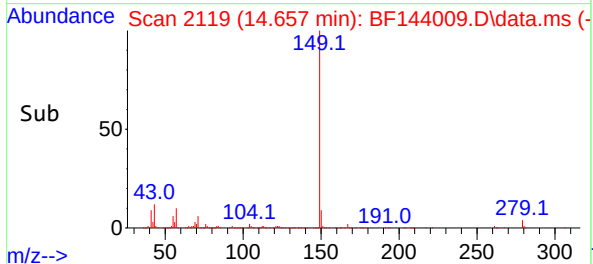
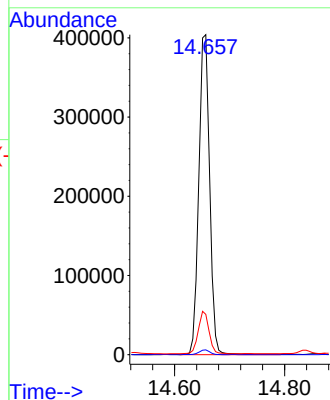
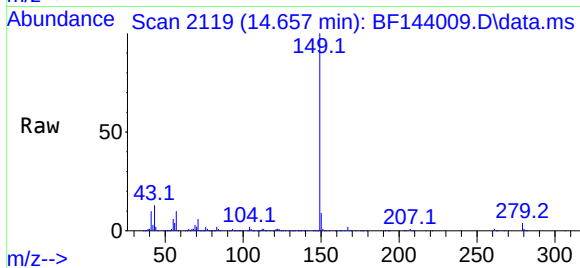




#85
Di-n-octyl phthalate
Concen: 43.84 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

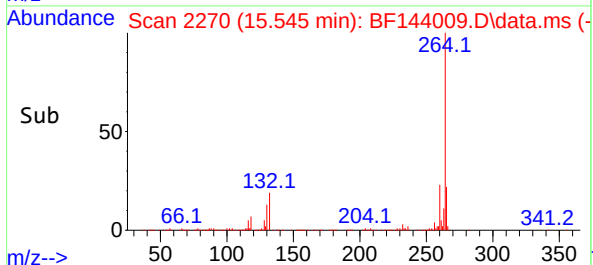
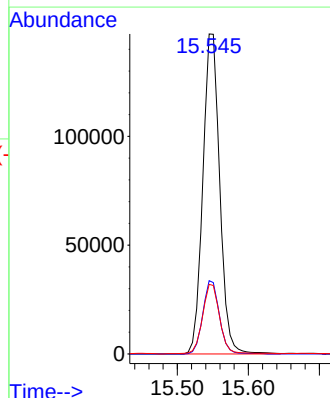
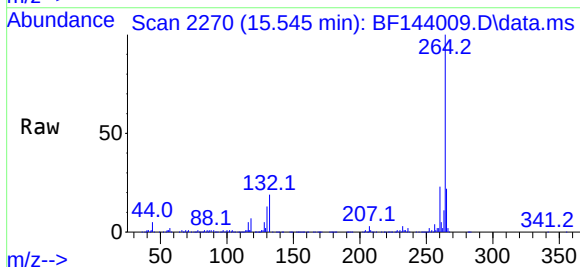
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	13.3	11.0	16.4

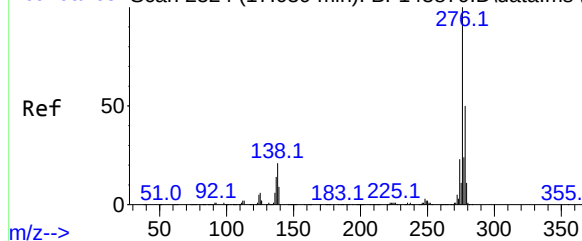


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.8	26.8
265	21.8	17.5	26.3



Abundance Scan 2524 (17.039 min): BF143879.D\data.ms (-



#87

Indeno(1,2,3-cd)pyrene

Concen: 46.35 ng

RT: 17.056 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 692814

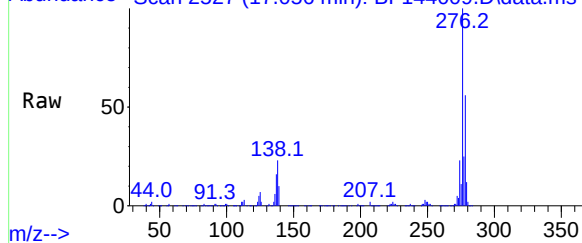
Ion Ratio Lower Upper

276 100

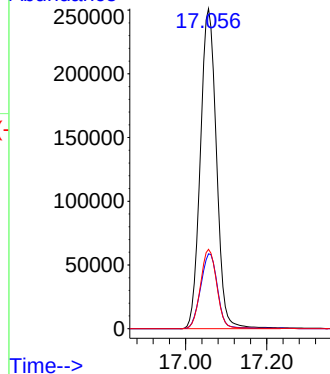
138 24.5 18.2 27.2

277 25.1 19.8 29.6

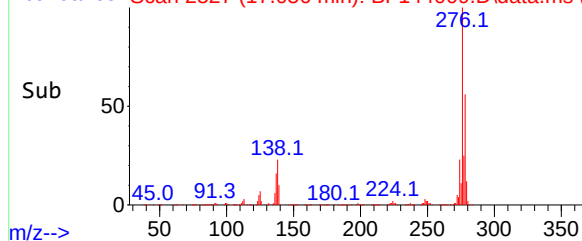
Abundance Scan 2527 (17.056 min): BF144009.D\data.ms



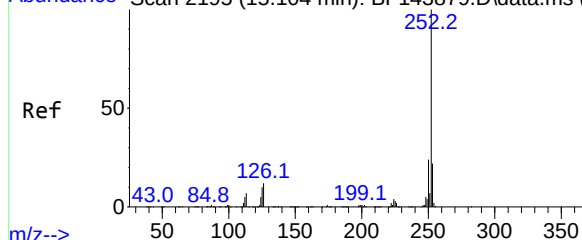
Abundance



Abundance Scan 2527 (17.056 min): BF144009.D\data.ms (-



Abundance Scan 2195 (15.104 min): BF143879.D\data.ms (-



#88

Benzo(b)fluoranthene

Concen: 39.83 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion:252 Resp: 558030

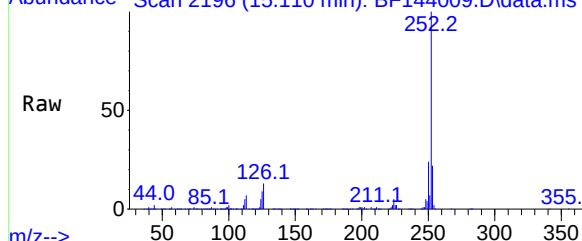
Ion Ratio Lower Upper

252 100

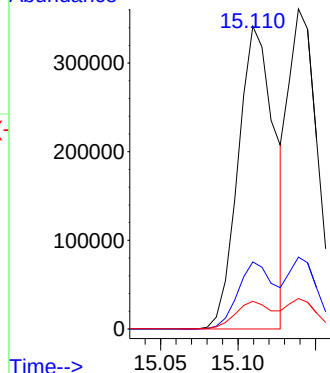
253 22.1 17.4 26.2

125 9.1 7.8 11.6

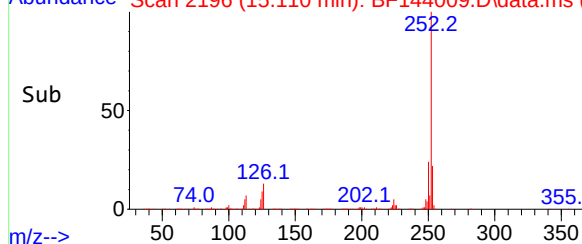
Abundance Scan 2196 (15.110 min): BF144009.D\data.ms



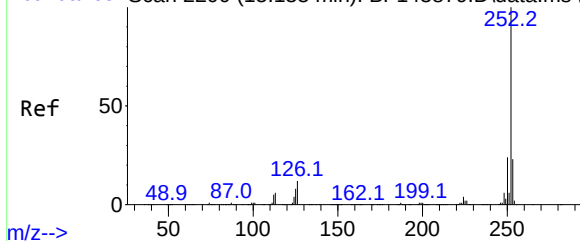
Abundance



Abundance Scan 2196 (15.110 min): BF144009.D\data.ms (-



Abundance Scan 2200 (15.133 min): BF143879.D\data.ms (-



#89

Benzo(k)fluoranthene

Concen: 36.42 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

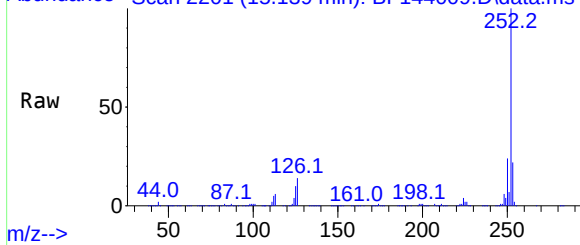
Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Abundance Scan 2201 (15.139 min): BF144009.D\data.ms



Tgt Ion:252 Resp: 472182

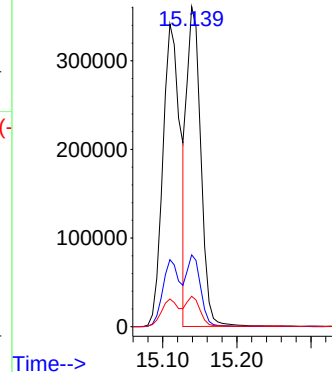
Ion Ratio Lower Upper

252 100

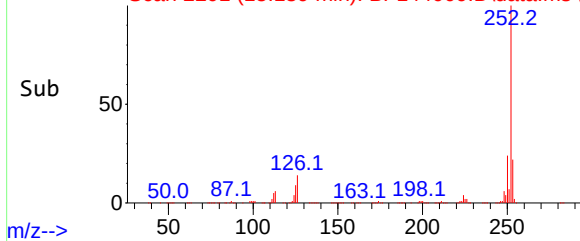
253 22.5 17.8 26.8

125 9.5 7.4 11.2

Abundance

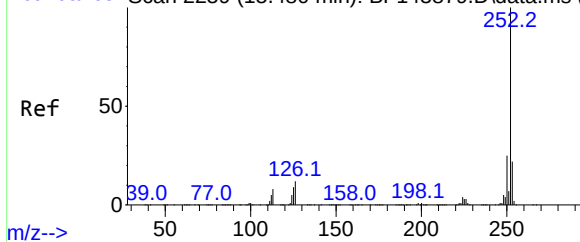


Abundance Scan 2201 (15.139 min): BF144009.D\data.ms (-



Time-->

Abundance Scan 2259 (15.480 min): BF143879.D\data.ms (-



#90

Benzo(a)pyrene

Concen: 41.46 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion:252 Resp: 503690

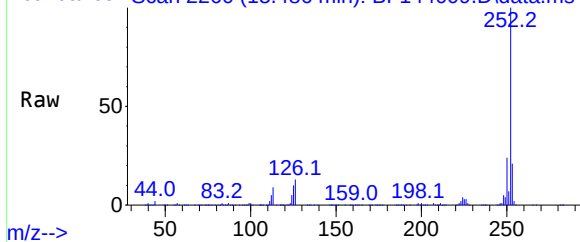
Ion Ratio Lower Upper

252 100

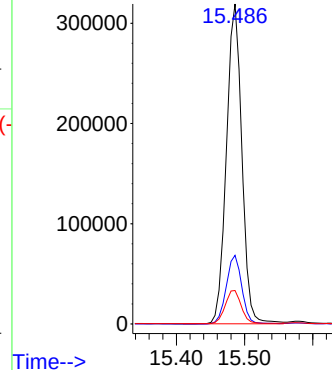
253 21.5 17.3 25.9

125 10.4 7.0 10.4#

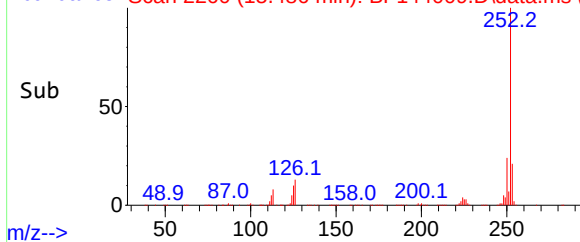
Abundance Scan 2260 (15.486 min): BF144009.D\data.ms



Abundance

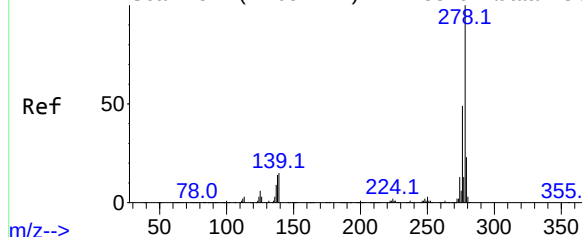


Abundance Scan 2260 (15.486 min): BF144009.D\data.ms (-



Time-->

Abundance Scan 2527 (17.057 min): BF143879.D\data.ms (-



#91

Dibenzo(a,h)anthracene

Concen: 46.96 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 564523

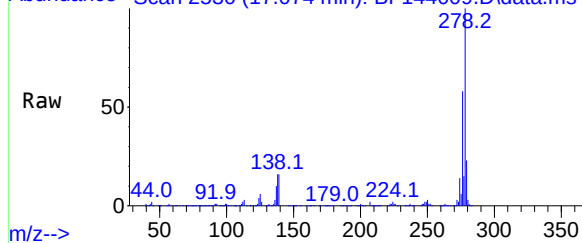
Ion Ratio Lower Upper

278 100

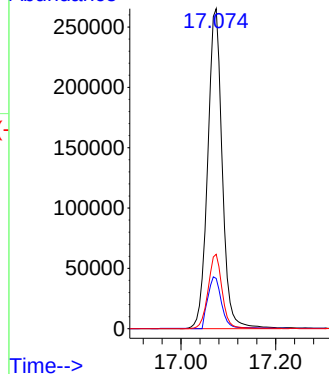
139 15.7 11.7 17.5

279 23.3 18.4 27.6

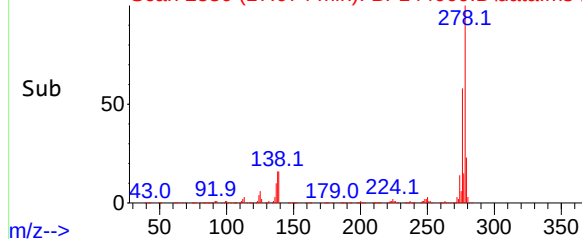
Abundance Scan 2530 (17.074 min): BF144009.D\data.ms



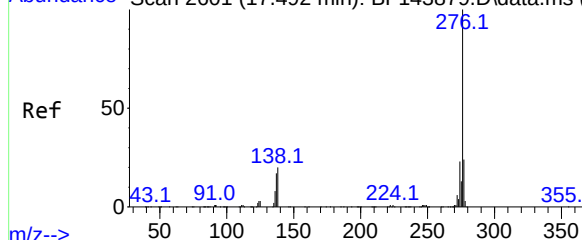
Abundance



Abundance Scan 2530 (17.074 min): BF144009.D\data.ms (-



Abundance Scan 2601 (17.492 min): BF143879.D\data.ms (-



#92

Benzo(g,h,i)perylene

Concen: 46.37 ng

RT: 17.509 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF144009.D

Acq: 21 Oct 2025 13:29

Tgt Ion:276 Resp: 557435

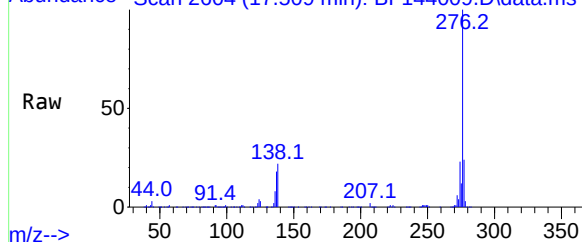
Ion Ratio Lower Upper

276 100

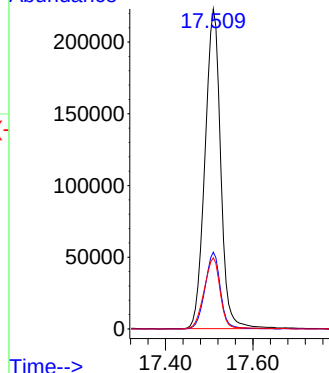
277 24.0 19.0 28.6

138 22.3 16.1 24.1

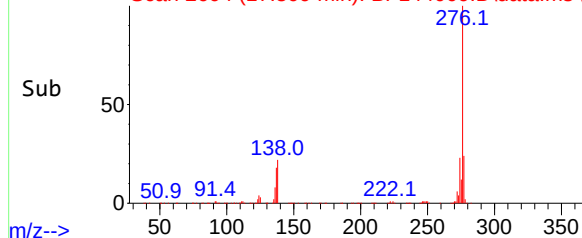
Abundance Scan 2604 (17.509 min): BF144009.D\data.ms



Abundance



Abundance Scan 2604 (17.509 min): BF144009.D\data.ms (-



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2	1,4-Dioxane	0.583	0.600	-2.9	101	0.00
3	Pyridine	1.697	1.707	-0.6	98	-0.01
4	n-Nitrosodimethylamine	0.893	0.844	5.5	95	-0.03
5 S	2-Fluorophenol	1.259	1.299	-3.2	102	0.00
6	Aniline	2.250	2.216	1.5	97	0.00
7 S	Phenol-d6	1.501	1.494	0.5	99	0.00
8	2-Chlorophenol	1.231	1.267	-2.9	100	0.00
9	Benzaldehyde	1.158	1.203	-3.9	93	0.00
10 C	Phenol	1.795	1.901	-5.9	106	-0.01
11	bis(2-Chloroethyl)ether	1.386	1.376	0.7	97	-0.01
12	1,3-Dichlorobenzene	1.474	1.463	0.7	99	0.00
13 C	1,4-Dichlorobenzene	1.454	1.433	1.4	98	0.00
14	1,2-Dichlorobenzene	1.392	1.411	-1.4	101	0.00
15	Benzyl Alcohol	1.125	1.121	0.4	98	-0.01
16	2,2'-oxybis(1-Chloropropane	3.156	3.225	-2.2	102	0.00
17	2-Methylphenol	1.017	1.009	0.8	98	0.00
18	Hexachloroethane	0.485	0.486	-0.2	99	0.00
19 P	n-Nitroso-di-n-propylamine	1.028	0.983	4.4	98	-0.02
20	3+4-Methylphenols	1.179	1.177	0.2	95	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22	Acetophenone	0.423	0.409	3.3	95	-0.01
23 S	Nitrobenzene-d5	0.329	0.341	-3.6	100	-0.01
24	Nitrobenzene	0.366	0.382	-4.4	98	-0.01
25	Isophorone	0.694	0.664	4.3	95	-0.02
26 C	2-Nitrophenol	0.157	0.182	-15.9	105	0.00
27	2,4-Dimethylphenol	0.282	0.290	-2.8	99	0.00
28	bis(2-Chloroethoxy)methane	0.438	0.433	1.1	98	-0.01
29 C	2,4-Dichlorophenol	0.294	0.295	-0.3	97	0.00
30	1,2,4-Trichlorobenzene	0.289	0.288	0.3	97	0.00
31	Naphthalene	0.910	0.902	0.9	98	0.00
32	Benzoic acid	0.195	0.183	6.2	92	-0.04
33	4-Chloroaniline	0.341	0.341	0.0	97	0.00
34 C	Hexachlorobutadiene	0.201	0.197	2.0	96	0.00
35	Caprolactam	0.093	0.095	-2.2	100	-0.04
36 C	4-Chloro-3-methylphenol	0.282	0.281	0.4	98	0.00
37	2-Methylnaphthalene	0.606	0.599	1.2	98	0.00
38	1-Methylnaphthalene	0.588	0.573	2.6	95	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.559	-1.1	96	0.00
41 P	Hexachlorocyclopentadiene	0.229	0.224	2.2	88	0.00
42 S	2,4,6-Tribromophenol	0.199	0.191	4.0	93	0.00
43 C	2,4,6-Trichlorophenol	0.404	0.394	2.5	90	0.00
44	2,4,5-Trichlorophenol	0.427	0.432	-1.2	96	0.00
45 S	2-Fluorobiphenyl	1.260	1.174	6.8	97	-0.01
46	1,1'-Biphenyl	1.324	1.283	3.1	95	0.00
47	2-Chloronaphthalene	1.104	1.099	0.5	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.349	0.372	-6.6	96	0.00
49	Acenaphthylene	1.552	1.531	1.4	96	0.00
50	Dimethylphthalate	1.270	1.246	1.9	98	0.00
51	2,6-Dinitrotoluene	0.236	0.265	-12.3	102	-0.01
52 C	Acenaphthene	1.017	0.980	3.6	94	0.00
53	3-Nitroaniline	0.288	0.299	-3.8	99	-0.01
54 P	2,4-Dinitrophenol	0.118	0.105	11.0	89	0.00
55	Dibenzofuran	1.436	1.413	1.6	96	0.00
56 P	4-Nitrophenol	0.218	0.197	9.6	85	0.00
57	2,4-Dinitrotoluene	0.320	0.350	-9.4	97	0.00
58	Fluorene	1.083	1.052	2.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	0.302	0.299	1.0	93	0.00
60	Diethylphthalate	1.180	1.127	4.5	93	0.00
61	4-Chlorophenyl-phenylether	0.573	0.561	2.1	95	0.00
62	4-Nitroaniline	0.277	0.278	-0.4	96	-0.02
63	Azobenzene	1.233	1.211	1.8	96	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65	4,6-Dinitro-2-methylphenol	0.101	0.109	-7.9	95	-0.01
66 c	n-Nitrosodiphenylamine	0.628	0.632	-0.6	93	-0.01
67	4-Bromophenyl-phenylether	0.221	0.213	3.6	89	0.00
68	Hexachlorobenzene	0.256	0.249	2.7	91	0.00
69	Atrazine	0.190	0.184	3.2	92	-0.01
70 C	Pentachlorophenol	0.147	0.129	12.2	79	0.00
71	Phenanthrene	0.970	0.933	3.8	93	0.00
72	Anthracene	0.980	0.987	-0.7	93	0.00
73	Carbazole	0.868	0.845	2.6	93	0.00
74	Di-n-butylphthalate	1.005	1.014	-0.9	93	0.00
75 C	Fluoranthene	1.002	0.960	4.2	90	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77	Benzydine	0.694	0.611	12.0	74	0.00
78	Pyrene	1.667	1.805	-8.3	90	0.00
79 S	Terphenyl-d14	1.170	1.282	-9.6	93	0.00
80	Butylbenzylphthalate	0.542	0.567	-4.6	85	0.00
81	Benzo(a)anthracene	1.309	1.372	-4.8	91	0.00
82	3,3'-Dichlorobenzidine	0.399	0.400	-0.3	84	0.00
83	Chrysene	1.211	1.172	3.2	84	0.00
84	Bis(2-ethylhexyl)phthalate	0.653	0.671	-2.8	84	0.00
85 c	Di-n-octyl phthalate	1.072	1.175	-9.6	91	0.00
86 I	Perylene-d12	1.000	1.000	0.0	97	0.00
87	Indeno(1,2,3-cd)pyrene	1.225	1.420	-15.9	99	0.00
88	Benzo(b)fluoranthene	1.149	1.144	0.4	88	0.00
89	Benzo(k)fluoranthene	1.063	0.968	8.9	85	0.00
90 C	Benzo(a)pyrene	0.996	1.033	-3.7	91	0.00
91	Dibenzo(a,h)anthracene	0.986	1.157	-17.3	100	0.00
92	Benzo(g,h,i)perylene	0.986	1.143	-15.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	102	0.00
2	1,4-Dioxane	40.000	41.185	-3.0	101	0.00
3	Pyridine	40.000	40.239	-0.6	98	-0.01
4	n-Nitrosodimethylamine	40.000	37.810	5.5	95	-0.03
5 S	2-Fluorophenol	80.000	82.536	-3.2	102	0.00
6	Aniline	40.000	39.405	1.5	97	0.00
7 S	Phenol-d6	80.000	79.601	0.5	99	0.00
8	2-Chlorophenol	40.000	41.153	-2.9	100	0.00
9	Benzaldehyde	40.000	41.553	-3.9	93	0.00
10 C	Phenol	40.000	42.370	-5.9	106	-0.01
11	bis(2-Chloroethyl)ether	40.000	39.703	0.7	97	-0.01
12	1,3-Dichlorobenzene	40.000	39.720	0.7	99	0.00
13 C	1,4-Dichlorobenzene	40.000	39.438	1.4	98	0.00
14	1,2-Dichlorobenzene	40.000	40.528	-1.3	101	0.00
15	Benzyl Alcohol	40.000	39.850	0.4	98	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	40.872	-2.2	102	0.00
17	2-Methylphenol	40.000	39.675	0.8	98	0.00
18	Hexachloroethane	40.000	40.126	-0.3	99	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.272	4.3	98	-0.02
20	3+4-Methylphenols	40.000	39.914	0.2	95	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22	Acetophenone	40.000	38.653	3.4	95	-0.01
23 S	Nitrobenzene-d5	80.000	82.879	-3.6	100	-0.01
24	Nitrobenzene	40.000	41.813	-4.5	98	-0.01
25	Isophorone	40.000	38.250	4.4	95	-0.02
26 C	2-Nitrophenol	40.000	46.340	-15.9	105	0.00
27	2,4-Dimethylphenol	40.000	41.193	-3.0	99	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.532	1.2	98	-0.01
29 C	2,4-Dichlorophenol	40.000	40.123	-0.3	97	0.00
30	1,2,4-Trichlorobenzene	40.000	39.933	0.2	97	0.00
31	Naphthalene	40.000	39.667	0.8	98	0.00
32	Benzoic acid	40.000	37.569	6.1	92	-0.04
33	4-Chloroaniline	40.000	39.987	0.0	97	0.00
34 C	Hexachlorobutadiene	40.000	39.350	1.6	96	0.00
35	Caprolactam	40.000	40.569	-1.4	100	-0.04
36 C	4-Chloro-3-methylphenol	40.000	39.776	0.6	98	0.00
37	2-Methylnaphthalene	40.000	39.549	1.1	98	0.00
38	1-Methylnaphthalene	40.000	39.003	2.5	95	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.440	-1.1	96	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.991	2.5	88	0.00
42 S	2,4,6-Tribromophenol	80.000	76.638	4.2	93	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.063	2.3	90	0.00
44	2,4,5-Trichlorophenol	40.000	40.504	-1.3	96	0.00
45 S	2-Fluorobiphenyl	80.000	74.521	6.8	97	-0.01
46	1,1'-Biphenyl	40.000	38.750	3.1	95	0.00
47	2-Chloronaphthalene	40.000	39.831	0.4	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.593	-6.5	96	0.00
49	Acenaphthylene	40.000	39.462	1.3	96	0.00
50	Dimethylphthalate	40.000	39.243	1.9	98	0.00
51	2,6-Dinitrotoluene	40.000	44.988	-12.5	102	-0.01
52 C	Acenaphthene	40.000	38.554	3.6	94	0.00
53	3-Nitroaniline	40.000	41.461	-3.7	99	-0.01
54 P	2,4-Dinitrophenol	40.000	33.421	16.4	89	0.00
55	Dibenzofuran	40.000	39.362	1.6	96	0.00
56 P	4-Nitrophenol	40.000	36.028	9.9	85	0.00
57	2,4-Dinitrotoluene	40.000	43.651	-9.1	97	0.00
58	Fluorene	40.000	38.862	2.8	97	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.546	1.1	93	0.00
60	Diethylphthalate	40.000	38.198	4.5	93	0.00
61	4-Chlorophenyl-phenylether	40.000	39.202	2.0	95	0.00
62	4-Nitroaniline	40.000	40.078	-0.2	96	-0.02
63	Azobenzene	40.000	39.265	1.8	96	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.304	-8.3	95	-0.01
66 c	n-Nitrosodiphenylamine	40.000	40.254	-0.6	93	-0.01
67	4-Bromophenyl-phenylether	40.000	38.560	3.6	89	0.00
68	Hexachlorobenzene	40.000	38.982	2.5	91	0.00
69	Atrazine	40.000	38.711	3.2	92	-0.01
70 C	Pentachlorophenol	40.000	35.013	12.5	79	0.00
71	Phenanthrene	40.000	38.498	3.8	93	0.00
72	Anthracene	40.000	40.324	-0.8	93	0.00
73	Carbazole	40.000	38.983	2.5	93	0.00
74	Di-n-butylphthalate	40.000	40.330	-0.8	93	0.00
75 C	Fluoranthene	40.000	38.337	4.2	90	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77	Benzydine	40.000	35.211	12.0	74	0.00
78	Pyrene	40.000	43.291	-8.2	90	0.00
79 S	Terphenyl-d14	80.000	87.634	-9.5	93	0.00
80	Butylbenzylphthalate	40.000	41.891	-4.7	85	0.00
81	Benzo(a)anthracene	40.000	41.931	-4.8	91	0.00
82	3,3'-Dichlorobenzidine	40.000	40.149	-0.4	84	0.00
83	Chrysene	40.000	38.688	3.3	84	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.128	-2.8	84	0.00
85 c	Di-n-octyl phthalate	40.000	43.844	-9.6	91	0.00
86 I	Perylene-d12	20.000	20.000	0.0	97	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	46.355	-15.9	99	0.00
88	Benzo(b)fluoranthene	40.000	39.827	0.4	88	0.00
89	Benzo(k)fluoranthene	40.000	36.420	8.9	85	0.00
90 C	Benzo(a)pyrene	40.000	41.459	-3.6	91	0.00
91	Dibenzo(a,h)anthracene	40.000	46.964	-17.4	100	0.00
92	Benzo(g,h,i)perylene	40.000	46.374	-15.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/22/2025 10:25</u>
Lab File ID:	<u>BF144032.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.263		0.3	
Benzaldehyde	1.158	1.176		1.6	
Phenol-d6	1.501	1.459		-2.8	
Phenol	1.795	1.838		2.4	20.0
bis(2-Chloroethyl)ether	1.386	1.342		-3.2	
2-Chlorophenol	1.231	1.205		-2.1	
2-Methylphenol	1.017	0.970		-4.6	
2,2-oxybis(1-Chloropropane)	3.156	3.068		-2.8	
Acetophenone	0.423	0.389		-8.0	
3+4-Methylphenols	1.179	1.144		-3.0	
n-Nitroso-di-n-propylamine	1.028	0.930	0.050	-9.5	
Nitrobenzene-d5	0.329	0.331		0.6	
Hexachloroethane	0.485	0.469		-3.3	
Nitrobenzene	0.366	0.366		0.0	
Isophorone	0.694	0.630		-9.2	
2-Nitrophenol	0.157	0.173		10.2	20.0
2,4-Dimethylphenol	0.282	0.273		-3.2	
bis(2-Chloroethoxy)methane	0.438	0.417		-4.8	
2,4-Dichlorophenol	0.294	0.284		-3.4	20.0
Naphthalene	0.910	0.867		-4.7	
4-Chloroaniline	0.341	0.317		-7.0	
Hexachlorobutadiene	0.201	0.185		-8.0	20.0
Caprolactam	0.093	0.078		-16.1	
4-Chloro-3-methylphenol	0.282	0.258		-8.5	20.0
2-Methylnaphthalene	0.606	0.564		-6.9	
Hexachlorocyclopentadiene	0.229	0.198	0.050	-13.5	
2,4,6-Trichlorophenol	0.404	0.385		-4.7	20.0
2-Fluorobiphenyl	1.260	1.173		-6.9	
2,4,5-Trichlorophenol	0.427	0.416		-2.6	
1,1-Biphenyl	1.324	1.285		-2.9	
2-Chloronaphthalene	1.104	1.102		-0.2	
2-Nitroaniline	0.349	0.359		2.9	
Dimethylphthalate	1.270	1.174		-7.6	
Acenaphthylene	1.552	1.488		-4.1	
2,6-Dinitrotoluene	0.236	0.245		3.8	
3-Nitroaniline	0.288	0.288		0.0	
Acenaphthene	1.017	0.988		-2.9	20.0
2,4-Dinitrophenol	0.118	0.150	0.050	27.1	
4-Nitrophenol	0.218	0.221	0.050	1.4	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02
 Lab Code: ACE SDG No.: Q3393
 Instrument ID: BNA_F Calibration Date/Time: 10/22/2025 10:25
 Lab File ID: BF144032.D Init. Calib. Date(s): 10/06/2025 10/06/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.365		-4.9	
2,4-Dinitrotoluene	0.320	0.327		2.2	
Diethylphthalate	1.180	1.076		-8.8	
4-Chlorophenyl-phenylether	0.573	0.537		-6.3	
Fluorene	1.083	1.034		-4.5	
4-Nitroaniline	0.277	0.251		-9.4	
4,6-Dinitro-2-methylphenol	0.101	0.105		4.0	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.170		-14.6	
4-Bromophenyl-phenylether	0.221	0.208		-5.9	
Hexachlorobenzene	0.256	0.236		-7.8	
Atrazine	0.190	0.170		-10.5	
Pentachlorophenol	0.147	0.133		-9.5	20.0
Phenanthrene	0.970	0.937		-3.4	
Anthracene	0.980	0.950		-3.1	
Carbazole	0.868	0.813		-6.3	
Di-n-butylphthalate	1.005	0.932		-7.3	
Fluoranthene	1.002	0.880		-12.2	20.0
Pyrene	1.667	1.786		7.1	
Terphenyl-d14	1.170	1.232		5.3	
Butylbenzylphthalate	0.542	0.552		1.8	
3,3-Dichlorobenzidine	0.399	0.405		1.5	
Benzo (a) anthracene	1.309	1.289		-1.5	
Chrysene	1.211	1.219		0.7	
Bis (2-ethylhexyl) phthalate	0.653	0.682		4.4	
Di-n-octyl phthalate	1.072	1.265		18.0	20.0
Benzo (b) fluoranthene	1.149	0.981		-14.6	
Benzo (k) fluoranthene	1.063	0.999		-6.0	
Benzo (a) pyrene	0.996	0.976		-2.0	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.460		19.2	
Dibenzo (a,h) anthracene	0.986	1.180		19.7	
Benzo (g,h,i) perylene	0.986	1.193		21.0	
1,2,4,5-Tetrachlorobenzene	0.553	0.552		-0.2	
1,4-Dioxane	0.583	0.579		-0.7	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.272		-9.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	112960	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	428129	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	220935	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	348267	20.000	ng	0.00
76) Chrysene-d12	14.063	240	176671	20.000	ng	0.00
86) Perylene-d12	15.545	264	208587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	570670	80.225	ng	0.00
7) Phenol-d6	6.510	99	659248	77.752	ng	0.00
23) Nitrobenzene-d5	7.445	82	567360	80.513	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	150622	68.447	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1036678	74.454	ng	-0.01
79) Terphenyl-d14	12.998	244	870415	84.202	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	130914	39.771	ng	95
3) Pyridine	3.404	79	371739	38.793	ng	96
4) n-Nitrosodimethylamine	3.346	42	184996	36.698	ng	97
6) Aniline	6.545	93	482545	37.979	ng	100
8) 2-Chlorophenol	6.669	128	272303	39.162	ng	98
9) Benzaldehyde	6.434	77	265748	40.630	ng	100
10) Phenol	6.522	94	415210	40.961	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	303201	38.721	ng	98
12) 1,3-Dichlorobenzene	6.822	146	317188	38.108	ng	99
13) 1,4-Dichlorobenzene	6.898	146	320620	39.051	ng	100
14) 1,2-Dichlorobenzene	7.051	146	309073	39.302	ng	100
15) Benzyl Alcohol	7.022	79	242449	38.164	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	693138	38.888	ng	98
17) 2-Methylphenol	7.134	107	219189	38.143	ng	99
18) Hexachloroethane	7.392	117	105913	38.681	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	210181	36.214	ng	99
20) 3+4-Methylphenols	7.287	107	258547	38.820	ng	# 77
22) Acetophenone	7.292	105	333187	36.806	ng	97
24) Nitrobenzene	7.463	77	313733	40.091	ng	98
25) Isophorone	7.704	82	539108	36.283	ng	98
26) 2-Nitrophenol	7.781	139	147965	44.102	ng	98
27) 2,4-Dimethylphenol	7.816	122	234021	38.775	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	357265	38.064	ng	99
29) 2,4-Dichlorophenol	8.022	162	242803	38.622	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	235631	38.111	ng	98
31) Naphthalene	8.187	128	742491	38.125	ng	100
32) Benzoic acid	7.922	122	139736	33.454	ng	96
33) 4-Chloroaniline	8.234	127	271142	37.121	ng	99
34) Hexachlorobutadiene	8.304	225	158191	36.820	ng	96
35) Caprolactam	8.598	113	67146	33.592	ng	95
36) 4-Chloro-3-methylphenol	8.716	107	221009	36.599	ng	97
37) 2-Methylnaphthalene	8.881	142	482790	37.215	ng	98
38) 1-Methylnaphthalene	8.981	142	463512	36.835	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	243860	39.935	ng	98
41) Hexachlorocyclopentadiene	9.034	237	87446	34.519	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	169935	38.088	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144032.D
 Acq On : 22 Oct 2025 10:25
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 22 10:45:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	183803	38.983	ng	99
46) 1,1'-Biphenyl	9.345	154	567757	38.813	ng	98
47) 2-Chloronaphthalene	9.369	162	486843	39.918	ng	96
48) 2-Nitroaniline	9.463	65	158514	41.110	ng	99
49) Acenaphthylene	9.781	152	657637	38.355	ng	100
50) Dimethylphthalate	9.639	163	518815	36.978	ng	99
51) 2,6-Dinitrotoluene	9.704	165	108407	41.669	ng	99
52) Acenaphthene	9.957	154	436481	38.850	ng	99
53) 3-Nitroaniline	9.875	138	127187	39.926	ng	99
54) 2,4-Dinitrophenol	9.986	184	66301	44.671	ng	93
55) Dibenzofuran	10.128	168	603282	38.039	ng	99
56) 4-Nitrophenol	10.033	139	97764	40.532	ng	96
57) 2,4-Dinitrotoluene	10.110	165	144342	40.776	ng	100
58) Fluorene	10.475	166	456971	38.186	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	120098	35.983	ng	# 98
60) Diethylphthalate	10.339	149	475428	36.475	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	237125	37.479	ng	96
62) 4-Nitroaniline	10.486	138	111123	36.275	ng	96
63) Azobenzene	10.622	77	511202	37.526	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	73177	41.812	ng	97
66) n-Nitrosodiphenylamine	10.580	169	440289	40.263	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	145024	37.679	ng	98
68) Hexachlorobenzene	11.022	284	164539	36.926	ng	98
69) Atrazine	11.110	200	118727	35.821	ng	98
70) Pentachlorophenol	11.222	266	92458	36.128	ng	97
71) Phenanthrene	11.439	178	652589	38.651	ng	99
72) Anthracene	11.492	178	661923	38.807	ng	100
73) Carbazole	11.645	167	566341	37.489	ng	99
74) Di-n-butylphthalate	11.975	149	649289	37.085	ng	99
75) Fluoranthene	12.627	202	612645	35.129	ng	98
77) Benzidine	12.757	184	196752	32.073	ng	99
78) Pyrene	12.863	202	631120	42.849	ng	100
80) Butylbenzylphthalate	13.474	149	194973	40.760	ng	99
81) Benzo(a)anthracene	14.051	228	455394	39.389	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	143273	40.664	ng	99
83) Chrysene	14.086	228	430745	40.255	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	241084	41.810	ng	99
85) Di-n-octyl phthalate	14.651	149	447041	47.203	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	609064	47.654	ng	97
88) Benzo(b)fluoranthene	15.110	252	409111	34.144	ng	100
89) Benzo(k)fluoranthene	15.139	252	416554	37.571	ng	98
90) Benzo(a)pyrene	15.480	252	406966	39.171	ng	# 97
91) Dibenzo(a,h)anthracene	17.068	278	492066	47.870	ng	97
92) Benzo(g,h,i)perylene	17.509	276	497793	48.426	ng	97

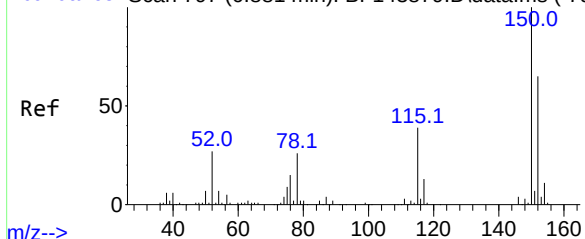
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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



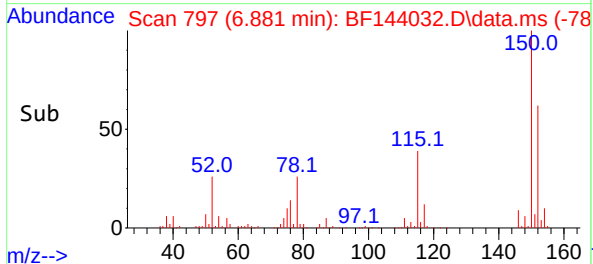
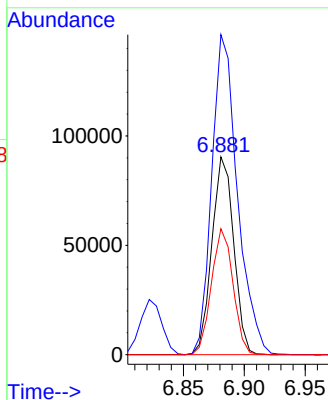
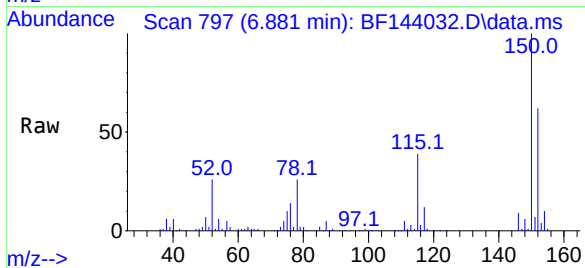
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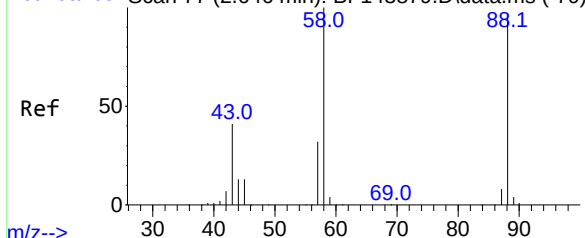
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 112960
Ion Ratio Lower Upper
152 100
150 161.7 124.4 186.6
115 63.7 48.1 72.1

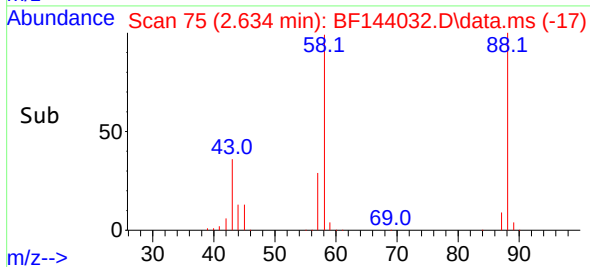
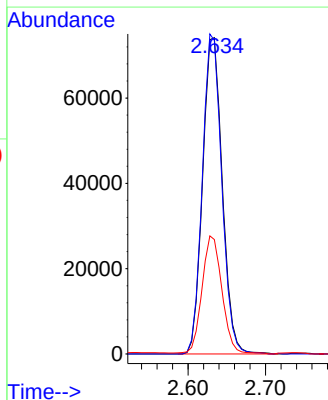
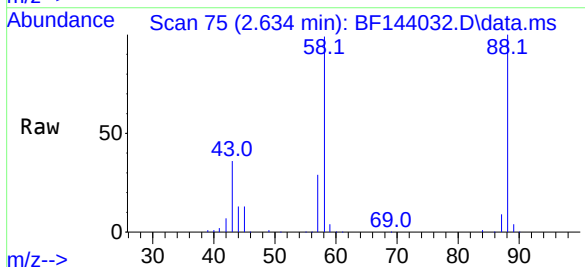


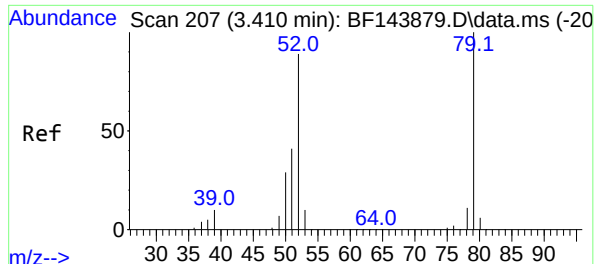
Abundance Scan 77 (2.646 min): BF143879.D\data.ms (-70)



#2
1,4-Dioxane
Concen: 39.771 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 88 Resp: 130914
Ion Ratio Lower Upper
88 100
58 99.5 83.0 124.6
43 38.0 33.9 50.9

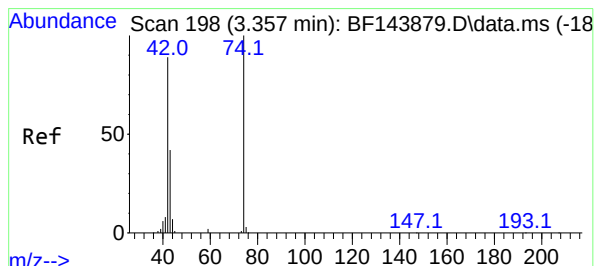
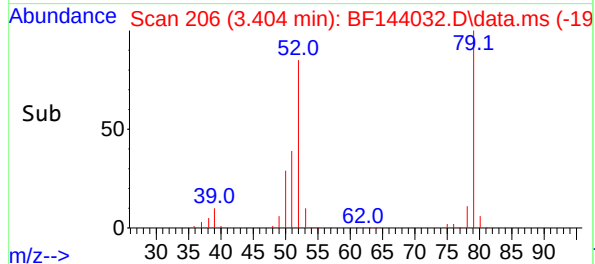
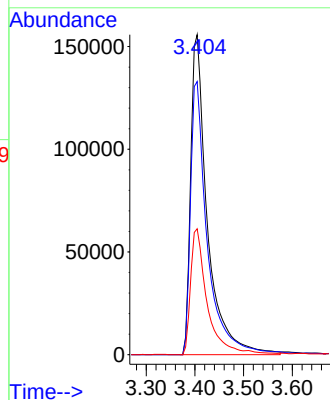
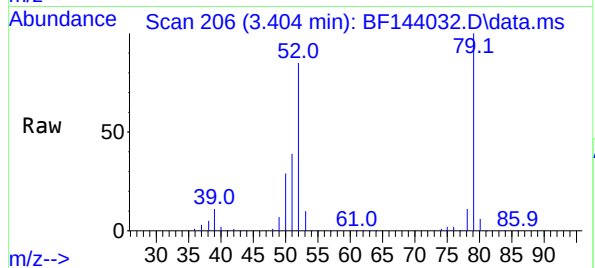




#3
Pyridine
Concen: 38.793 ng
RT: 3.404 min Scan# 207
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

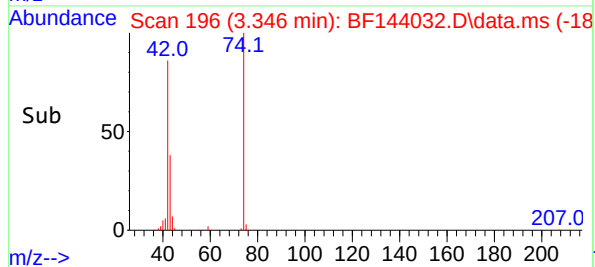
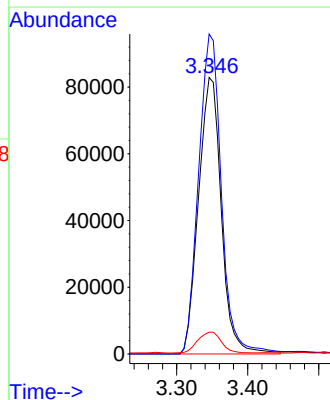
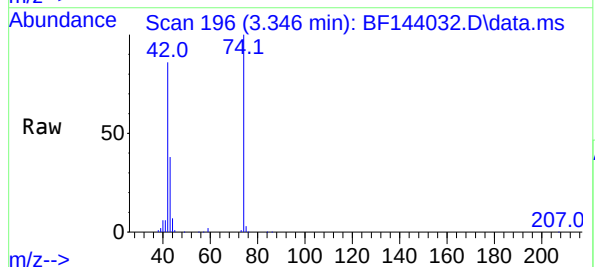
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

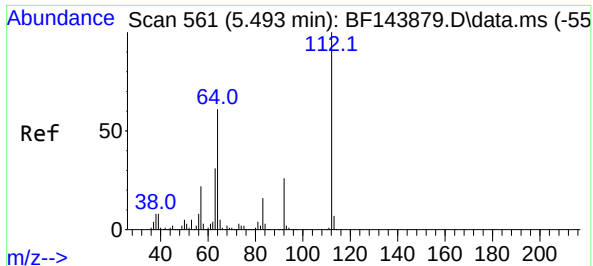
Tgt Ion: 79 Resp: 371739
Ion Ratio Lower Upper
79 100
52 85.3 71.5 107.3
51 39.3 32.9 49.3



#4
n-Nitrosodimethylamine
Concen: 36.698 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.041 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 42 Resp: 184996
Ion Ratio Lower Upper
42 100
74 115.8 90.0 135.0
44 7.9 6.2 9.2

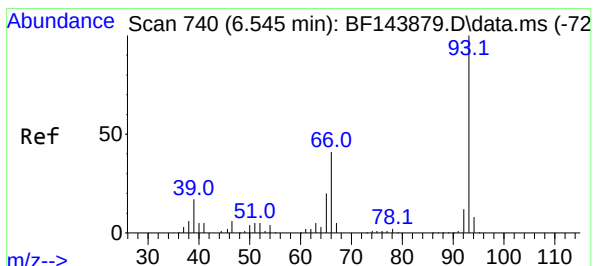
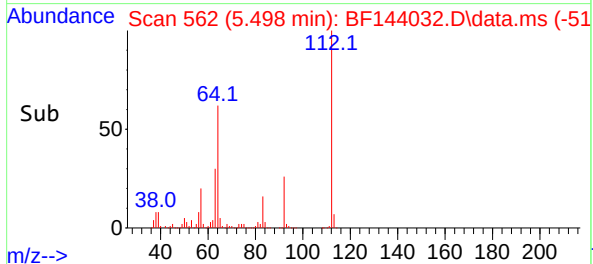
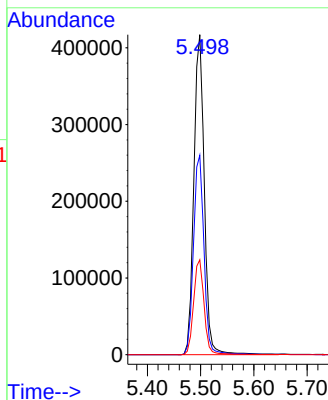
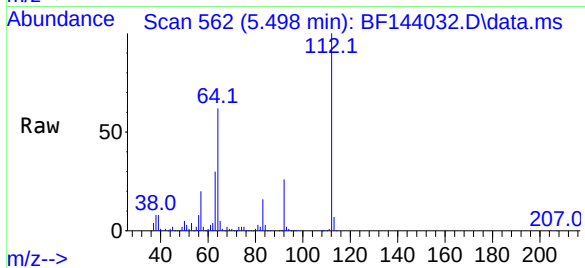




#5
2-Fluorophenol
Concen: 80.225 ng
RT: 5.498 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

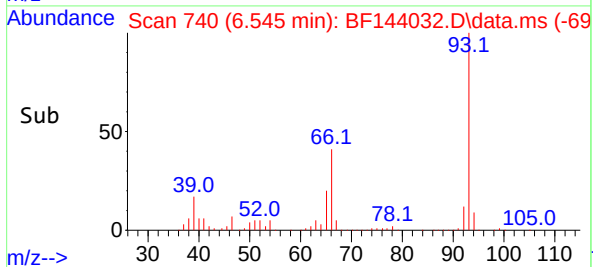
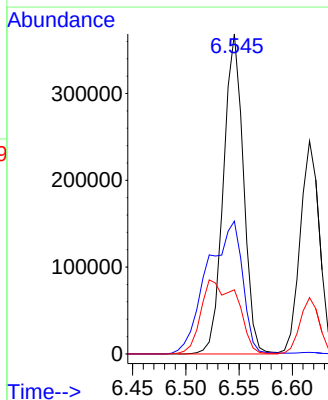
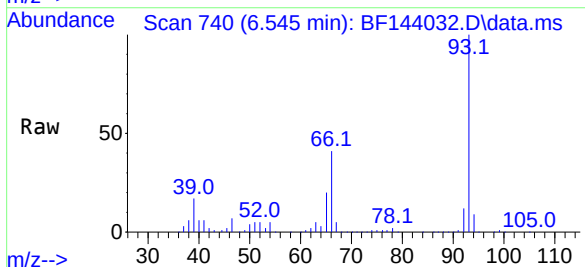
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 570670
Ion Ratio Lower Upper
112 100
64 62.3 49.1 73.7
63 29.6 24.5 36.7

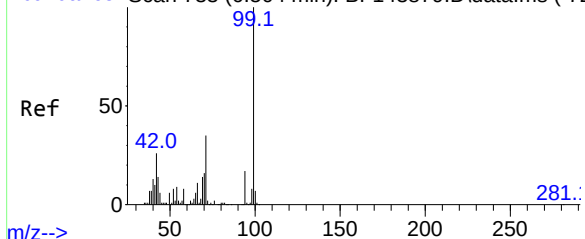


#6
Aniline
Concen: 37.979 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 93 Resp: 482545
Ion Ratio Lower Upper
93 100
66 41.5 33.0 49.6
65 20.1 15.8 23.8



Abundance Scan 733 (6.504 min): BF143879.D\data.ms (-72



#7

Phenol-d6

Concen: 77.752 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

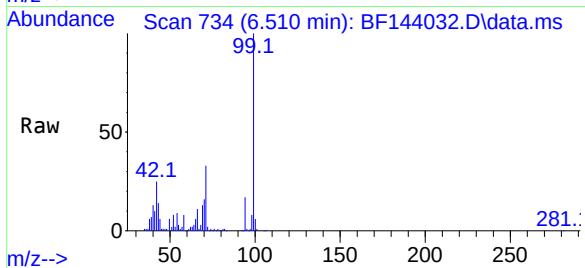
Tgt Ion: 99 Resp: 659248

Ion Ratio Lower Upper

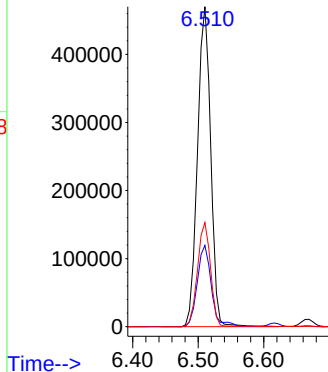
99 100

42 25.4 21.0 31.4

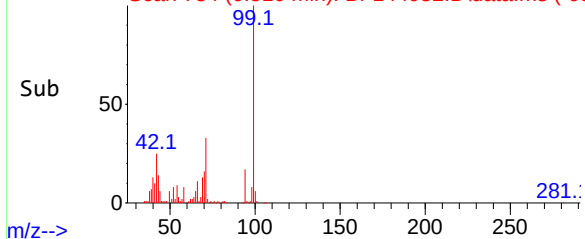
71 32.6 27.8 41.8



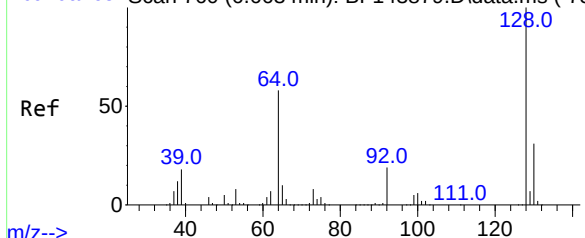
Abundance



Abundance Scan 734 (6.510 min): BF144032.D\data.ms (-68



Abundance Scan 760 (6.663 min): BF143879.D\data.ms (-75



#8

2-Chlorophenol

Concen: 39.162 ng

RT: 6.669 min Scan# 761

Delta R.T. 0.000 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

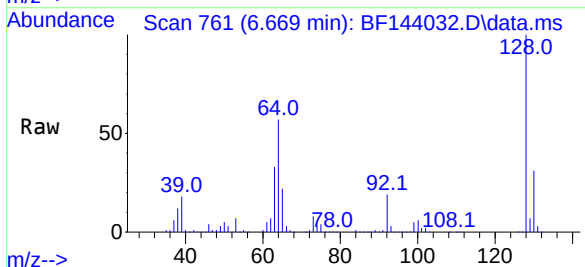
Tgt Ion: 128 Resp: 272303

Ion Ratio Lower Upper

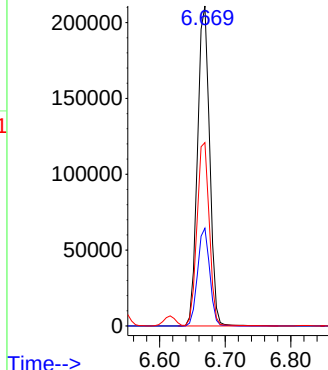
128 100

130 30.6 10.7 50.7

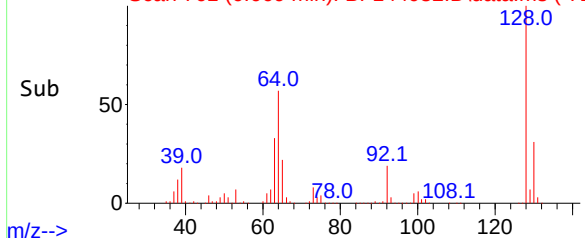
64 57.3 39.0 79.0



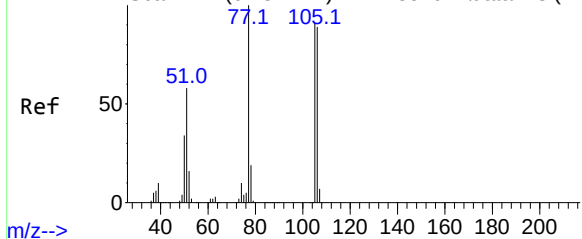
Abundance



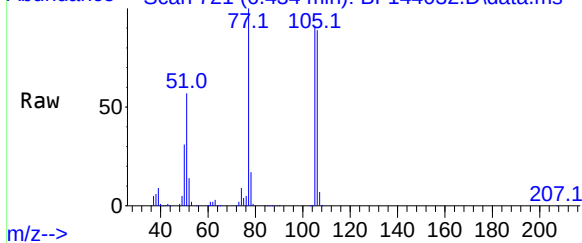
Abundance Scan 761 (6.669 min): BF144032.D\data.ms (-71



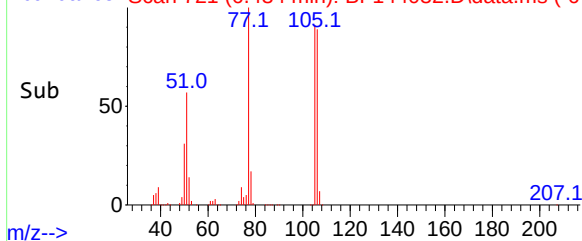
Abundance Scan 721 (6.434 min): BF143879.D\data.ms (-71



m/z--> Abundance Scan 721 (6.434 min): BF144032.D\data.ms



m/z--> Abundance Scan 721 (6.434 min): BF144032.D\data.ms (-67



#9

Benzaldehyde

Concen: 40.630 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 265748

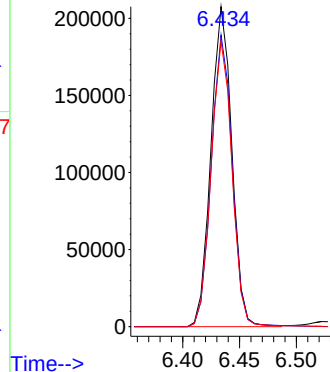
Ion Ratio Lower Upper

77 100

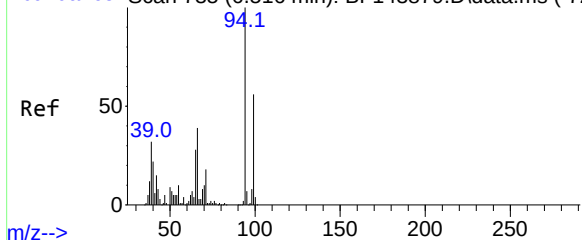
105 91.1 70.9 110.9

106 89.3 68.9 108.9

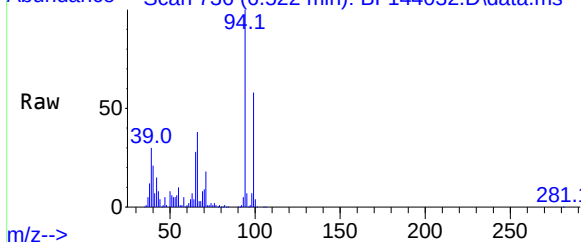
Abundance



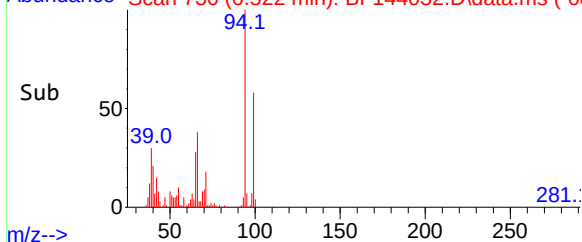
Abundance Scan 735 (6.516 min): BF143879.D\data.ms (-72



m/z--> Abundance Scan 736 (6.522 min): BF144032.D\data.ms



m/z--> Abundance Scan 736 (6.522 min): BF144032.D\data.ms (-68



#10

Phenol

Concen: 40.961 ng

RT: 6.522 min Scan# 736

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Tgt Ion: 94 Resp: 415210

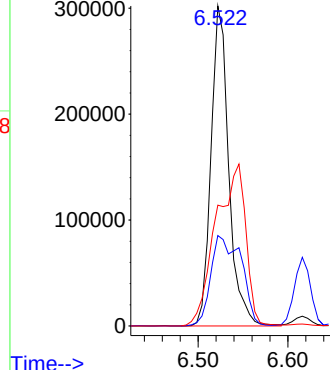
Ion Ratio Lower Upper

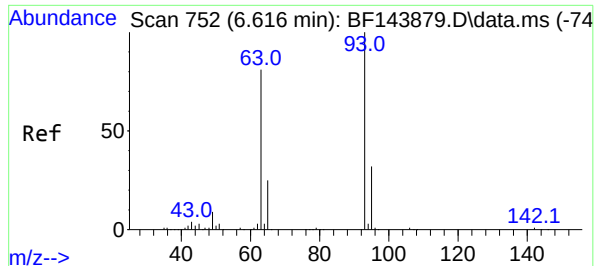
94 100

65 28.2 8.5 48.5

66 37.8 19.9 59.9

Abundance





#11

bis(2-Chloroethyl)ether

Concen: 38.721 ng

RT: 6.616 min Scan# 752

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

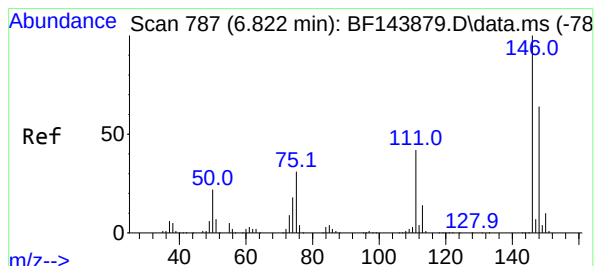
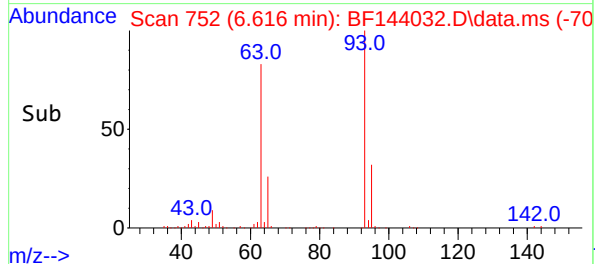
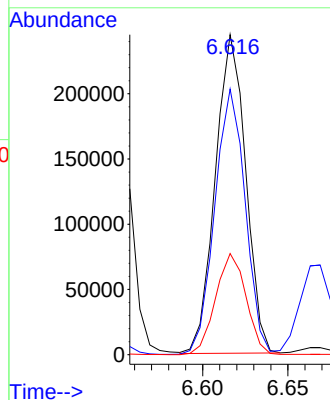
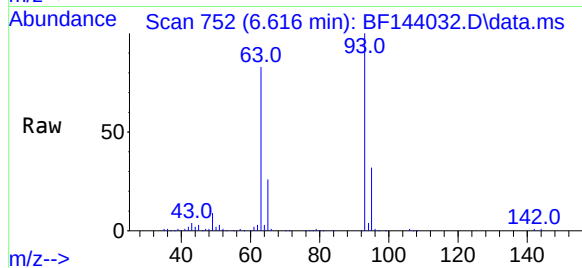
Tgt Ion: 93 Resp: 303201

Ion Ratio Lower Upper

93 100

63 83.0 60.9 100.9

95 31.6 11.5 51.5



#12

1,3-Dichlorobenzene

Concen: 38.108 ng

RT: 6.822 min Scan# 787

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

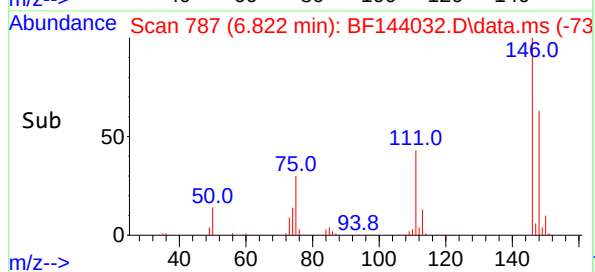
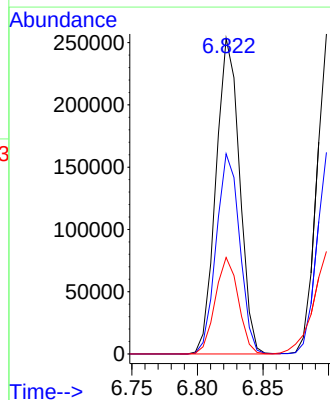
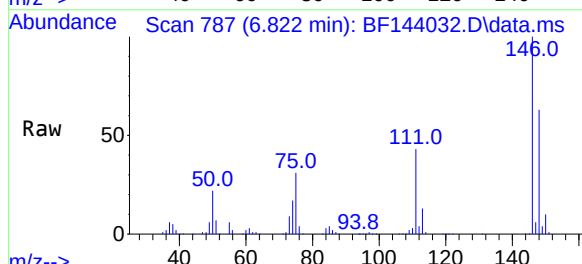
Tgt Ion:146 Resp: 317188

Ion Ratio Lower Upper

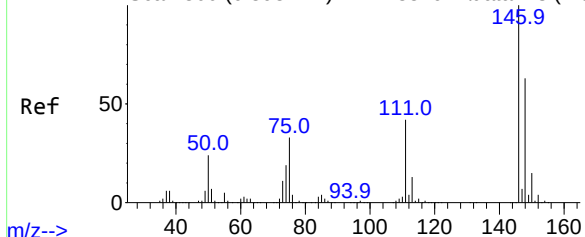
146 100

148 63.4 51.0 76.4

75 30.6 24.9 37.3



Abundance Scan 800 (6.898 min): BF143879.D\data.ms (-79



#13

1,4-Dichlorobenzene

Concen: 39.051 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

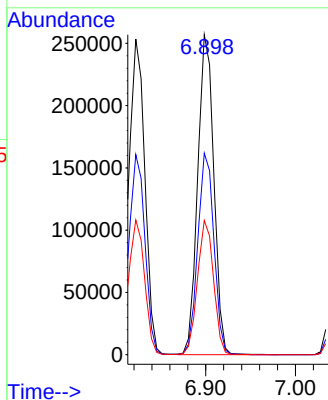
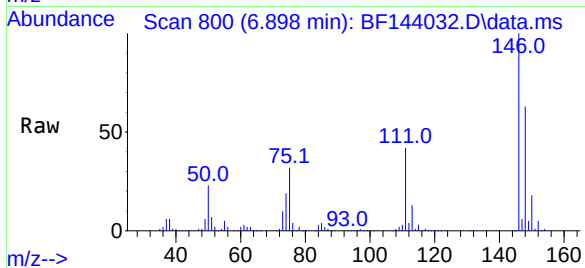
Tgt Ion:146 Resp: 320620

Ion Ratio Lower Upper

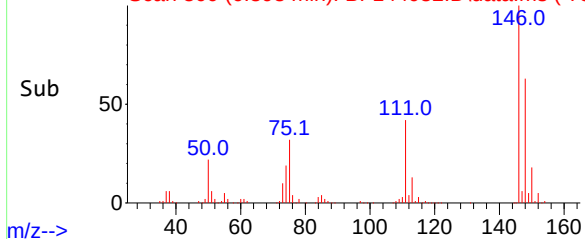
146 100

148 63.0 50.5 75.7

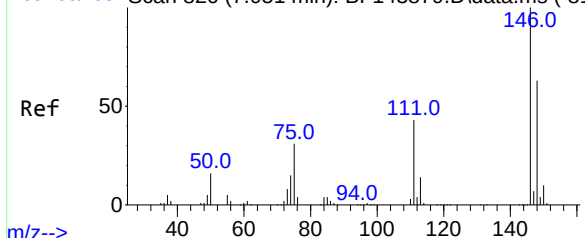
111 42.0 33.4 50.0



Abundance Scan 800 (6.898 min): BF144032.D\data.ms (-75



Abundance Scan 826 (7.051 min): BF143879.D\data.ms (-81



#14

1,2-Dichlorobenzene

Concen: 39.302 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

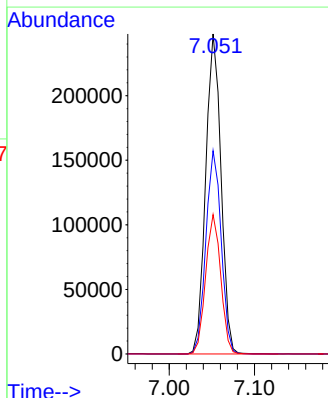
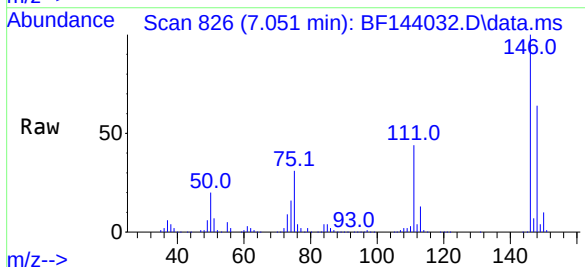
Tgt Ion:146 Resp: 309073

Ion Ratio Lower Upper

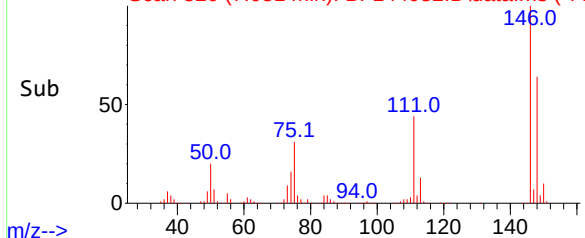
146 100

148 63.5 50.6 75.8

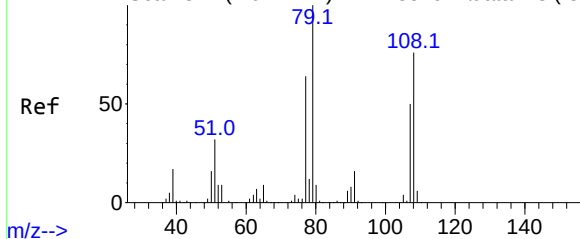
111 43.5 34.6 51.8



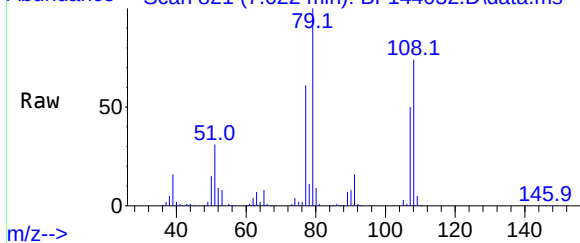
Abundance Scan 826 (7.051 min): BF144032.D\data.ms (-77



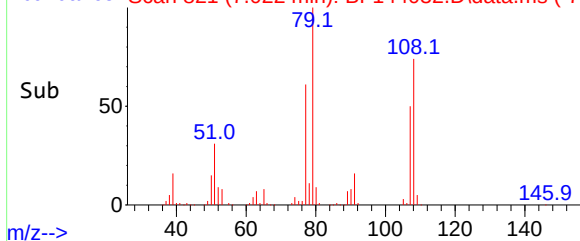
Abundance Scan 821 (7.022 min): BF143879.D\data.ms (-81



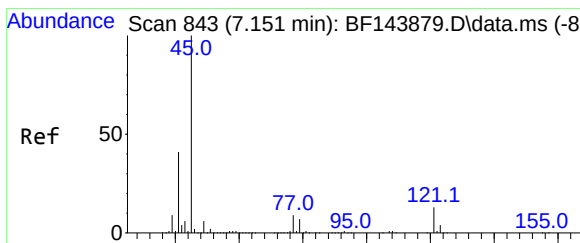
m/z--> Abundance Scan 821 (7.022 min): BF144032.D\data.ms



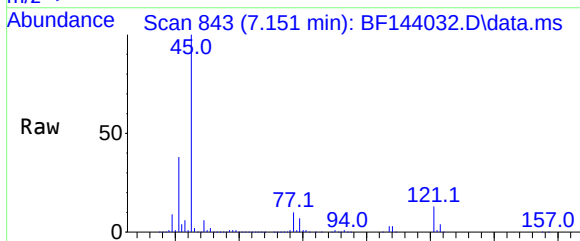
m/z--> Abundance Scan 821 (7.022 min): BF144032.D\data.ms (-77



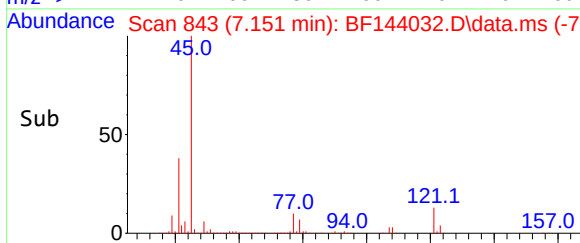
m/z--> Abundance Scan 843 (7.151 min): BF143879.D\data.ms (-83



m/z--> Abundance Scan 843 (7.151 min): BF144032.D\data.ms



m/z--> Abundance Scan 843 (7.151 min): BF144032.D\data.ms (-79



m/z--> Abundance

#15

Benzyl Alcohol

Concen: 38.164 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 242449

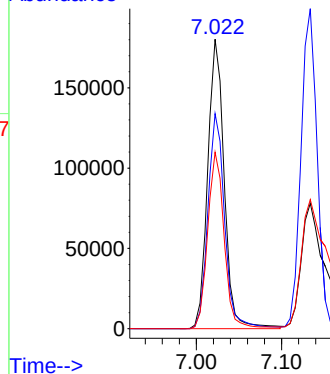
Ion Ratio Lower Upper

79 100

108 74.3 60.8 91.2

77 61.0 51.0 76.6

Abundance



Time-->

#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.888 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Tgt Ion: 45 Resp: 693138

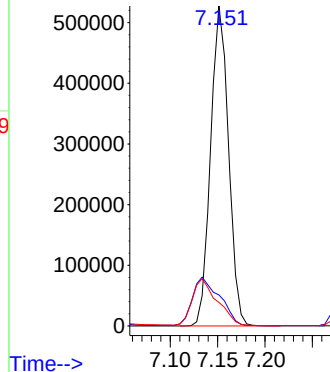
Ion Ratio Lower Upper

45 100

77 9.7 0.0 29.0

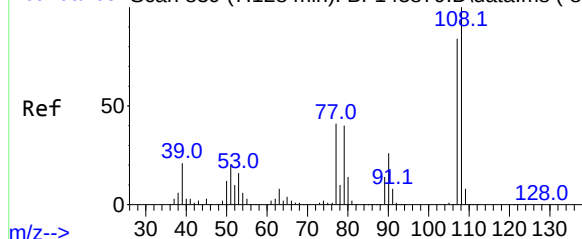
79 7.3 0.0 26.8

Abundance



Time-->

Abundance Scan 839 (7.128 min): BF143879.D\data.ms (-83



#17

2-Methylphenol

Concen: 38.143 ng

RT: 7.134 min Scan# 84

Delta R.T. 0.000 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

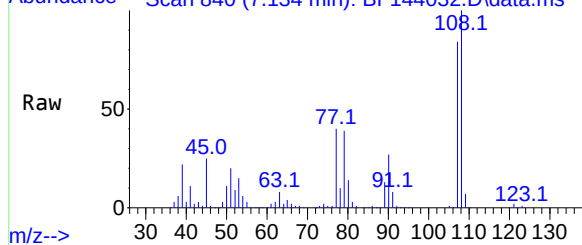
Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Abundance Scan 840 (7.134 min): BF144032.D\data.ms



Tgt Ion:107 Resp: 219189

Ion Ratio Lower Upper

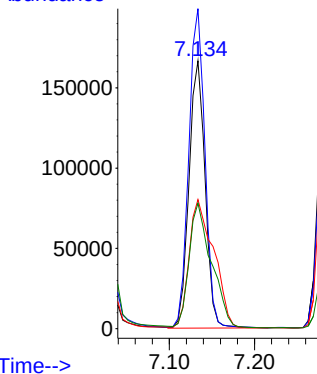
107 100

108 119.5 94.7 142.1

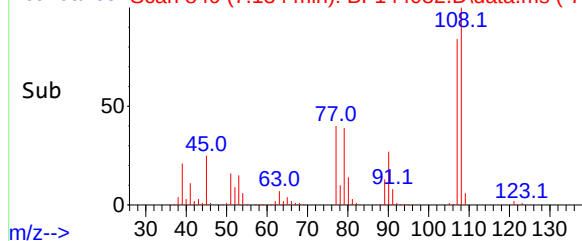
77 48.2 38.8 58.2

79 46.9 38.3 57.5

Abundance

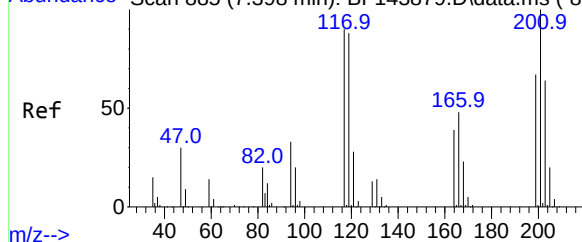


Abundance Scan 840 (7.134 min): BF144032.D\data.ms (-78



Time-->

Abundance Scan 885 (7.398 min): BF143879.D\data.ms (-87



#18

Hexachloroethane

Concen: 38.681 ng

RT: 7.392 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Tgt Ion:117 Resp: 105913

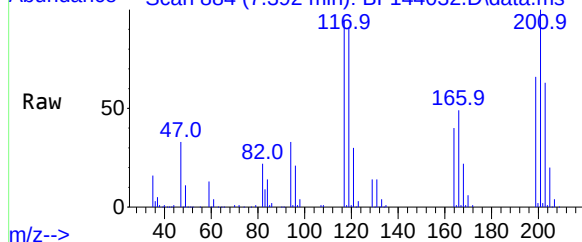
Ion Ratio Lower Upper

117 100

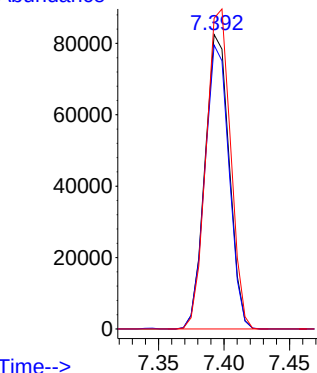
119 96.4 77.8 116.8

201 105.5 88.5 132.7

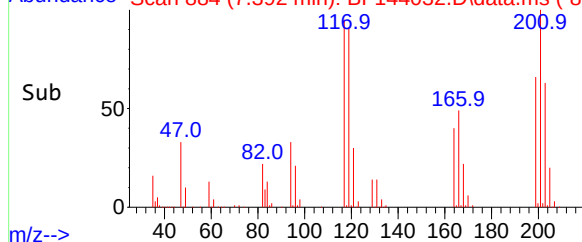
Abundance Scan 884 (7.392 min): BF144032.D\data.ms



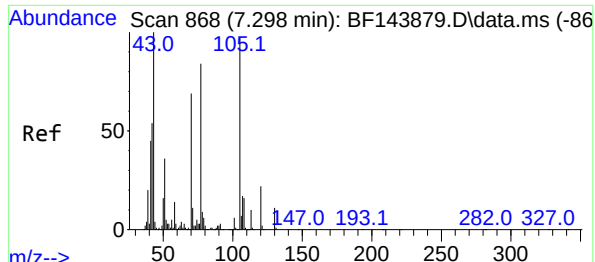
Abundance



Abundance Scan 884 (7.392 min): BF144032.D\data.ms (-83



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 36.214 ng

RT: 7.292 min Scan# 868

Delta R.T. -0.023 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 210181

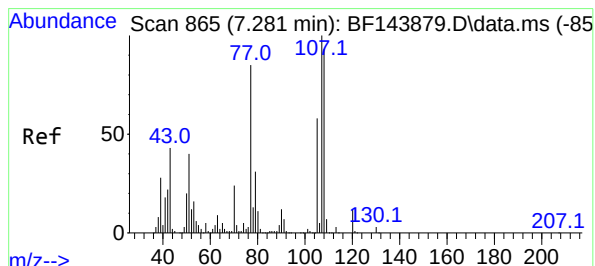
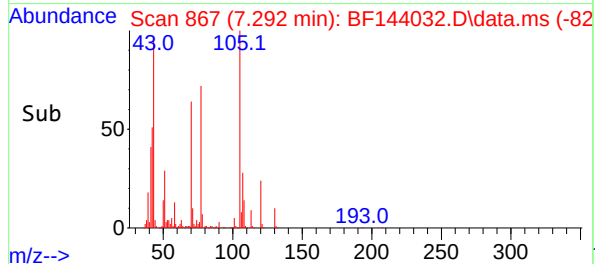
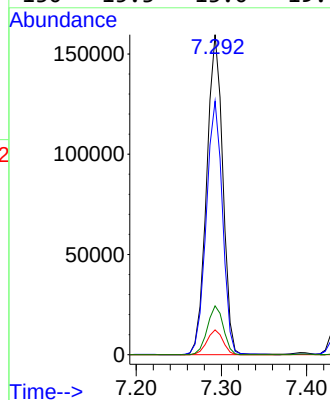
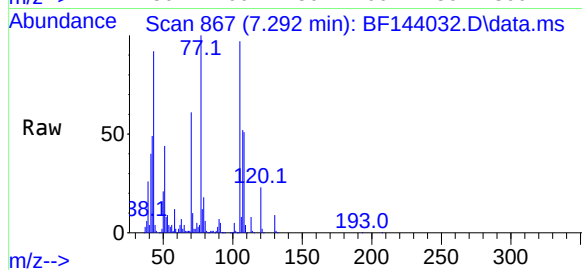
Ion Ratio Lower Upper

70 100

42 79.2 62.8 94.2

101 7.7 6.7 10.1

130 15.3 13.0 19.4



#20

3+4-Methylphenols

Concen: 38.820 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Tgt Ion: 107 Resp: 258547

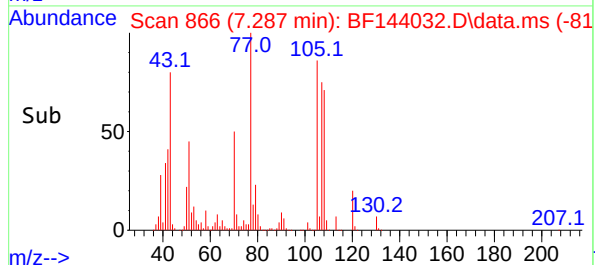
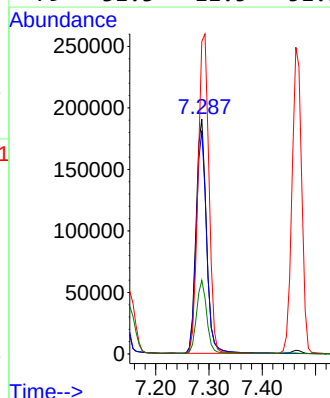
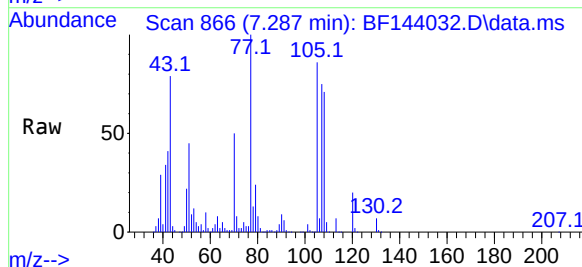
Ion Ratio Lower Upper

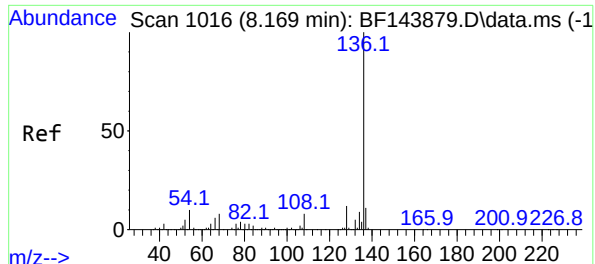
107 100

108 95.1 73.0 113.0

77 133.0 64.6 104.6#

79 31.3 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 428129

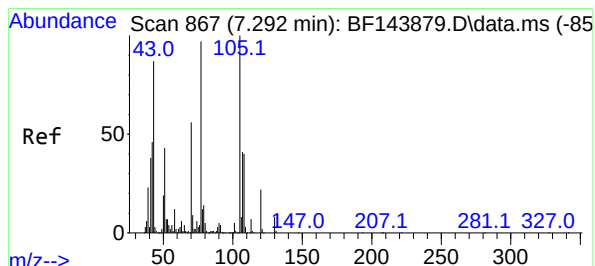
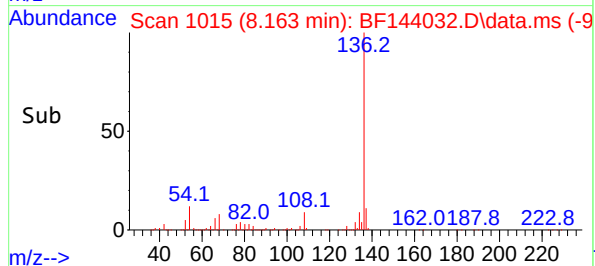
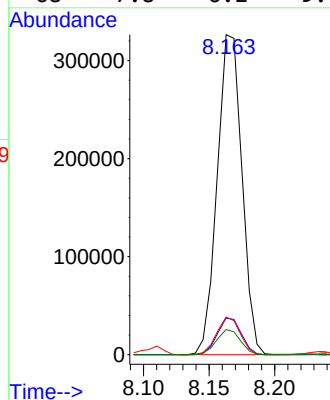
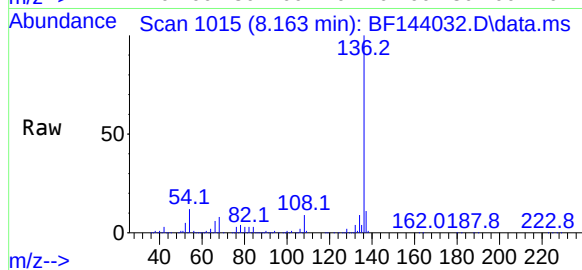
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 11.7 8.2 12.4

68 7.8 6.2 9.4



#22

Acetophenone

Concen: 36.806 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Tgt Ion:105 Resp: 333187

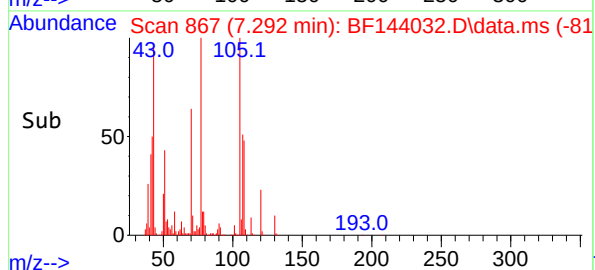
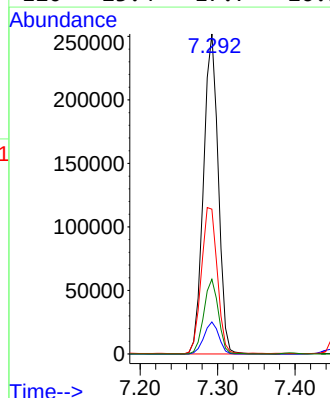
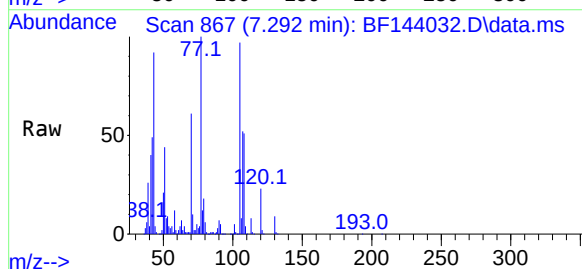
Ion Ratio Lower Upper

105 100

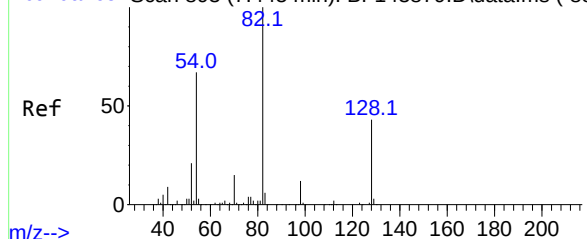
71 10.0 7.4 11.0

51 45.3 34.2 51.4

120 23.4 17.7 26.5



Abundance Scan 893 (7.445 min): BF143879.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 80.513 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

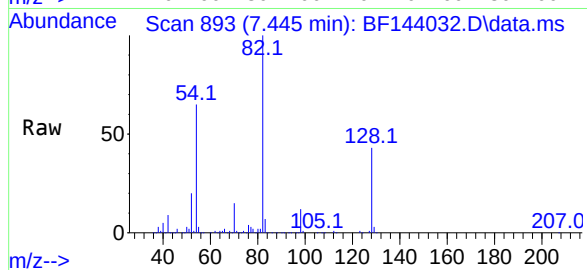
Tgt Ion: 82 Resp: 567360

Ion Ratio Lower Upper

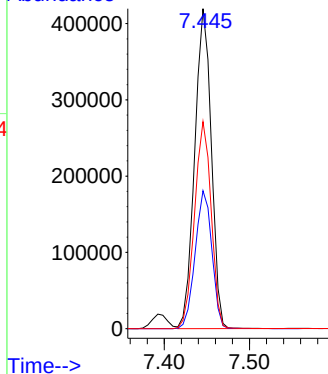
82 100

128 43.1 34.0 51.0

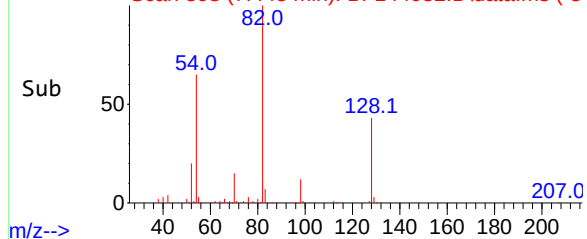
54 64.7 53.2 79.8



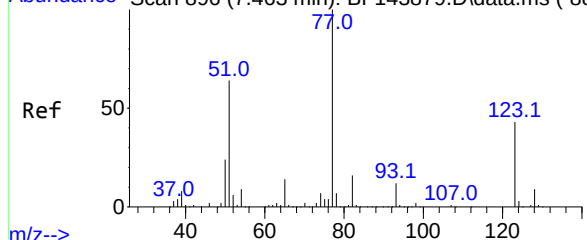
Abundance



Abundance Scan 893 (7.445 min): BF144032.D\data.ms (-84



Abundance Scan 896 (7.463 min): BF143879.D\data.ms (-88



#24

Nitrobenzene

Concen: 40.091 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

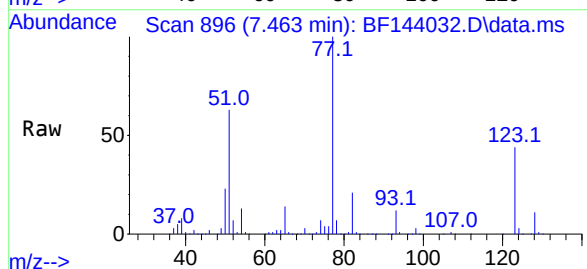
Tgt Ion: 77 Resp: 313733

Ion Ratio Lower Upper

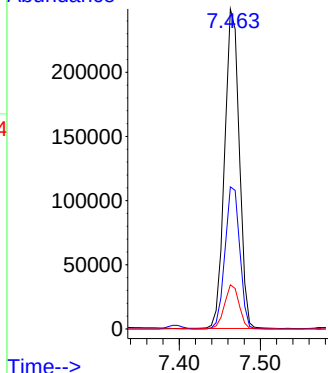
77 100

123 44.4 34.2 51.4

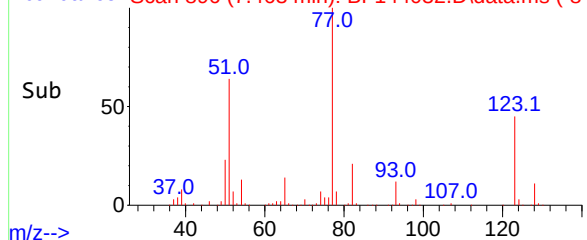
65 13.8 11.0 16.6



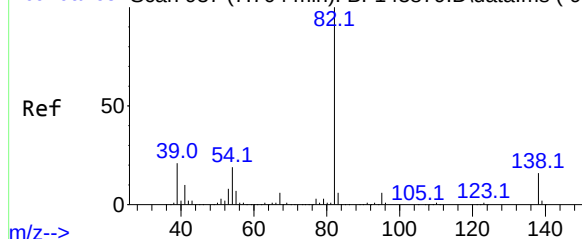
Abundance



Abundance Scan 896 (7.463 min): BF144032.D\data.ms (-84



Abundance Scan 937 (7.704 min): BF143879.D\data.ms (-93



#25

Isophorone

Concen: 36.283 ng

RT: 7.704 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

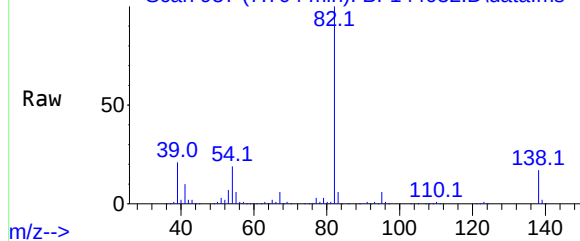
BNA_F

ClientSampleId :

SSTDCCC040

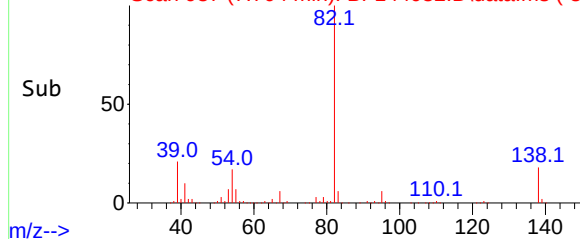
m/z-->

Abundance Scan 937 (7.704 min): BF144032.D\data.ms



m/z-->

Abundance Scan 937 (7.704 min): BF144032.D\data.ms (-88



m/z-->

Tgt Ion: 82 Resp: 539108

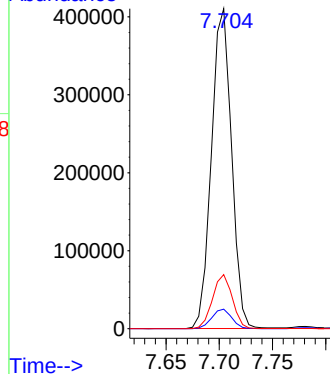
Ion Ratio Lower Upper

82 100

95 6.1 5.1 7.7

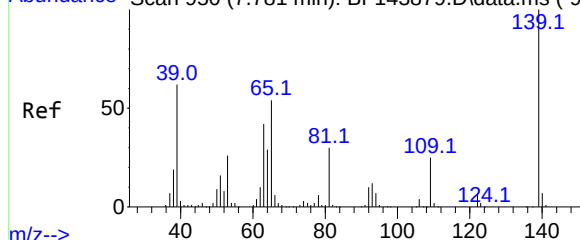
138 16.9 12.9 19.3

Abundance



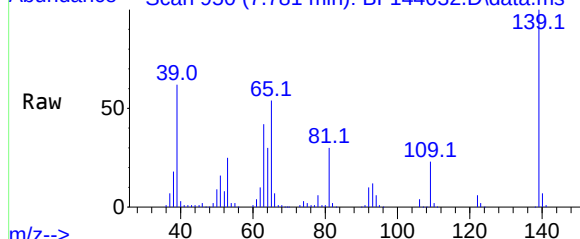
Time-->

Abundance Scan 950 (7.781 min): BF143879.D\data.ms (-94



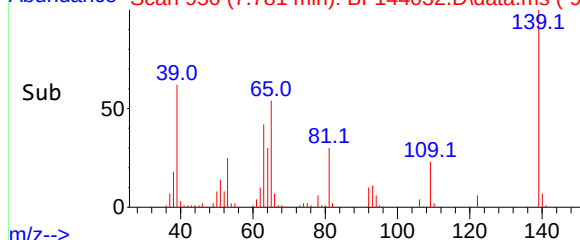
m/z-->

Abundance Scan 950 (7.781 min): BF144032.D\data.ms



m/z-->

Abundance Scan 950 (7.781 min): BF144032.D\data.ms (-90



m/z-->

#26

2-Nitrophenol

Concen: 44.102 ng

RT: 7.781 min Scan# 950

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Tgt Ion: 139 Resp: 147965

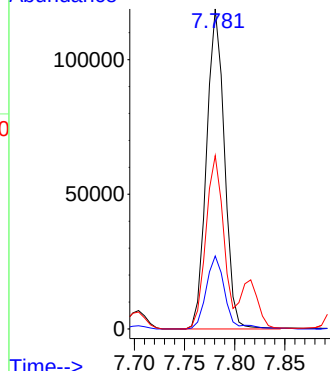
Ion Ratio Lower Upper

139 100

109 22.8 19.8 29.6

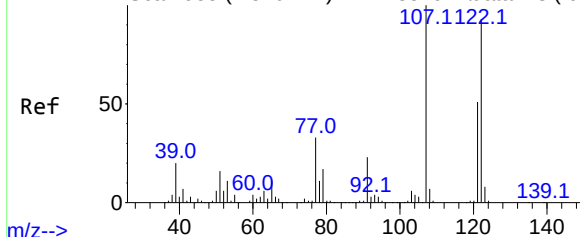
65 54.1 42.9 64.3

Abundance



Time-->

Abundance Scan 955 (7.810 min): BF143879.D\data.ms (-94



#27

2,4-Dimethylphenol

Concen: 38.775 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 234021

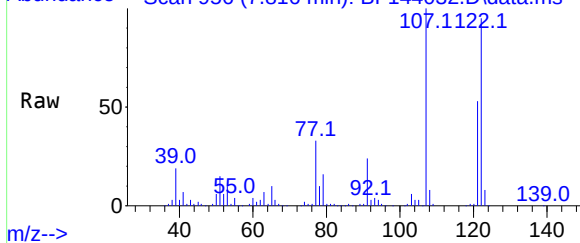
Ion Ratio Lower Upper

122 100

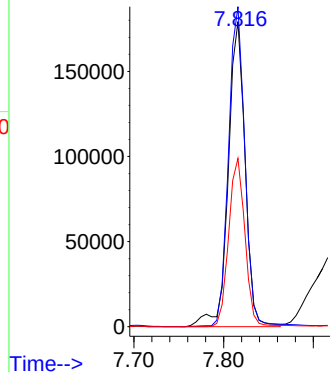
107 104.9 86.1 129.1

121 55.1 43.8 65.6

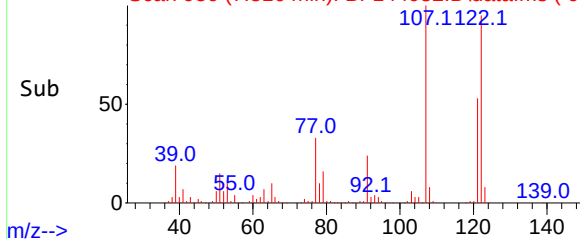
Abundance Scan 956 (7.816 min): BF144032.D\data.ms



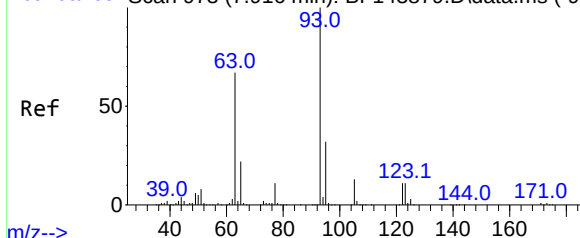
Abundance



Abundance Scan 956 (7.816 min): BF144032.D\data.ms (-90



Abundance Scan 973 (7.916 min): BF143879.D\data.ms (-96



#28

bis(2-Chloroethoxy)methane

Concen: 38.064 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Tgt Ion: 93 Resp: 357265

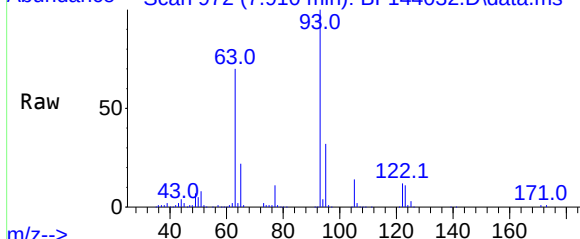
Ion Ratio Lower Upper

93 100

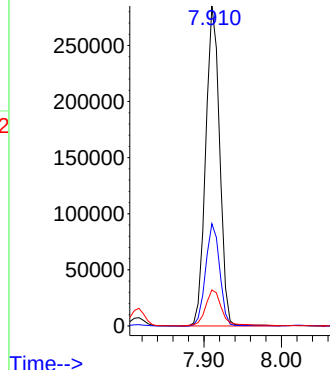
95 32.0 25.9 38.9

123 11.2 9.4 14.0

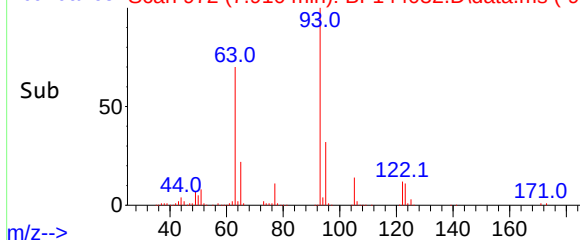
Abundance Scan 972 (7.910 min): BF144032.D\data.ms



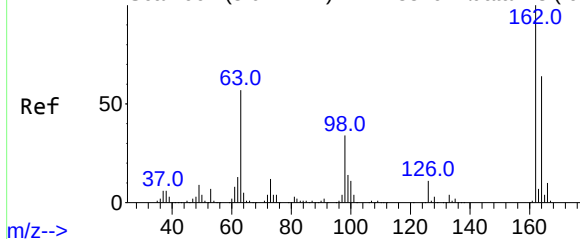
Abundance



Abundance Scan 972 (7.910 min): BF144032.D\data.ms (-92



Abundance Scan 991 (8.022 min): BF143879.D\data.ms (-98



#29

2,4-Dichlorophenol

Concen: 38.622 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

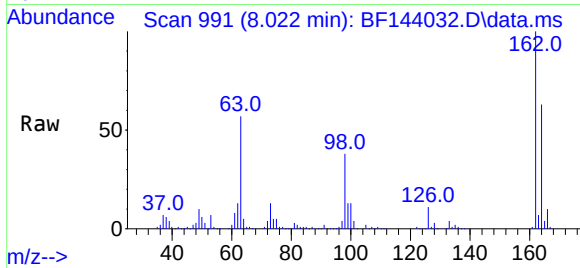
Instrument :

BNA_F

ClientSampleId :

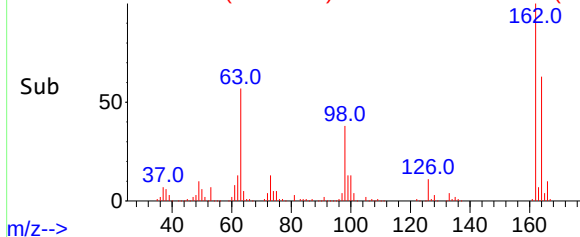
SSTDCCC040

m/z-->



m/z-->

Abundance Scan 991 (8.022 min): BF144032.D\data.ms (-94



m/z-->

Tgt Ion:162 Resp: 242803

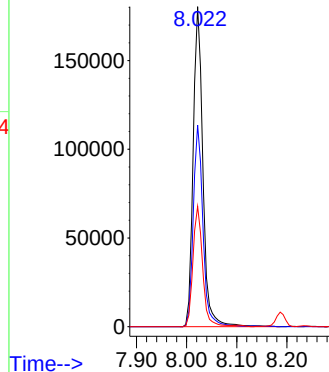
Ion Ratio Lower Upper

162 100

164 63.0 43.9 83.9

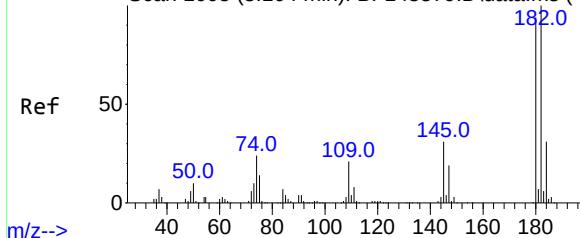
98 37.6 14.4 54.4

Abundance

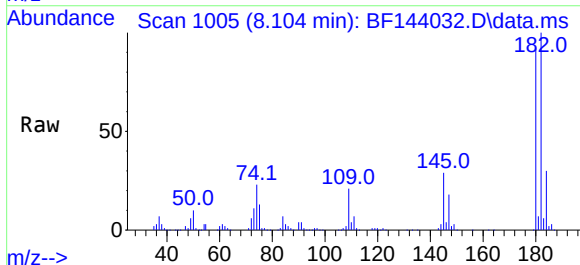


Time-->

Abundance Scan 1005 (8.104 min): BF143879.D\data.ms (-9

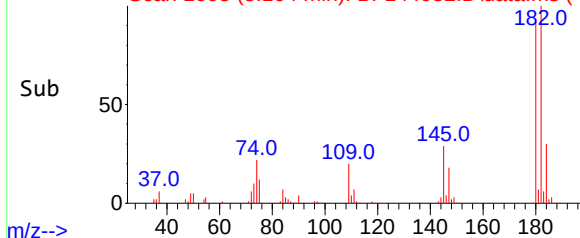


m/z-->



m/z-->

Abundance Scan 1005 (8.104 min): BF144032.D\data.ms (-9



m/z-->

#30

1,2,4-Trichlorobenzene

Concen: 38.111 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Tgt Ion:180 Resp: 235631

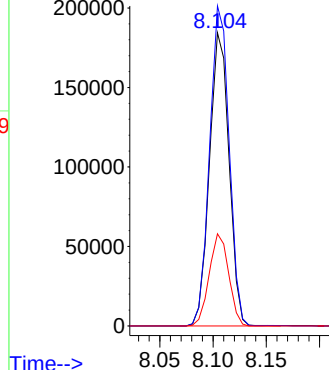
Ion Ratio Lower Upper

180 100

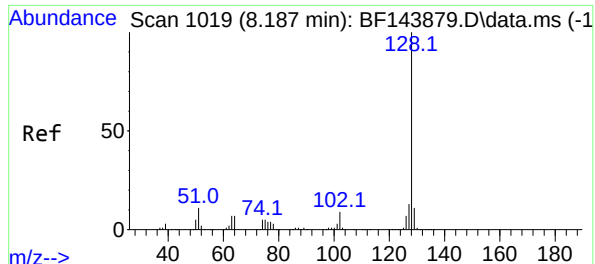
182 109.2 85.4 128.0

145 31.4 26.3 39.5

Abundance



Time-->



#31

Naphthalene

Concen: 38.125 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

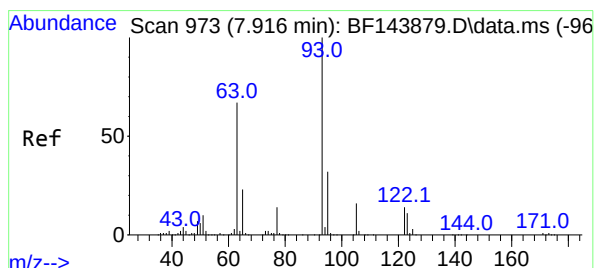
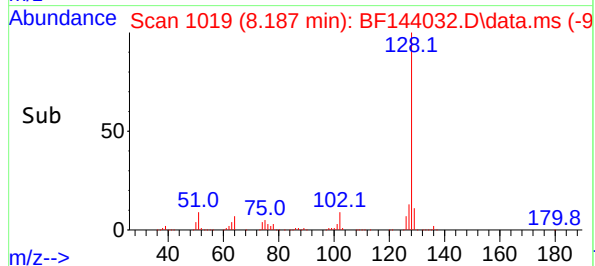
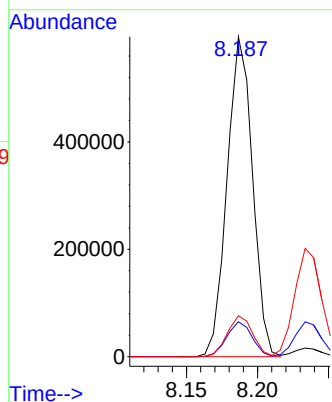
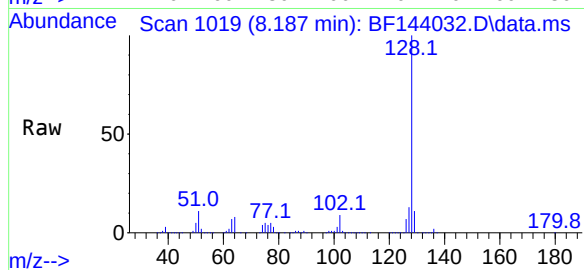
Tgt Ion:128 Resp: 742491

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 12.8 10.0 15.0



#32

Benzoic acid

Concen: 33.454 ng

RT: 7.922 min Scan# 974

Delta R.T. -0.041 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

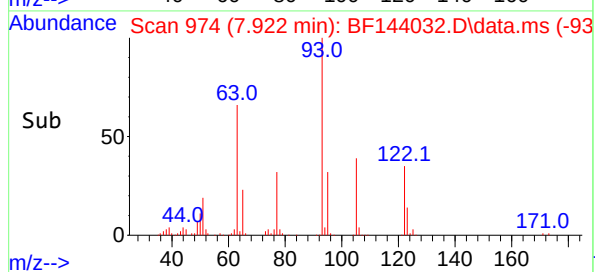
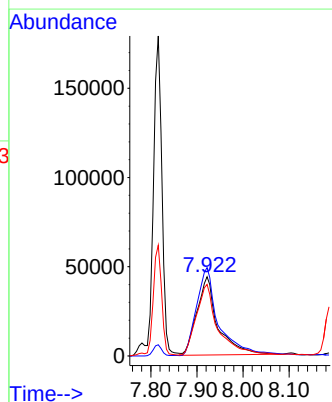
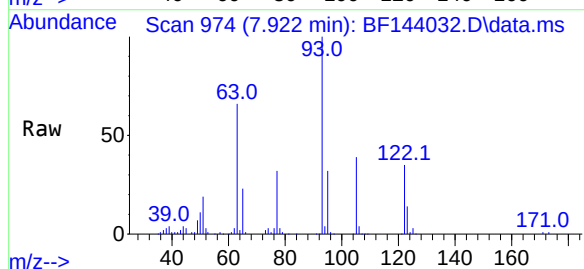
Tgt Ion:122 Resp: 139736

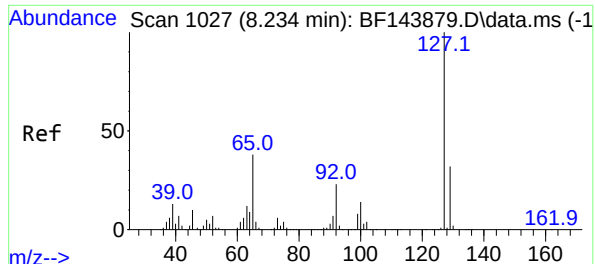
Ion Ratio Lower Upper

122 100

105 111.6 93.5 133.5

77 90.3 76.3 116.3





#33

4-Chloroaniline

Concen: 37.121 ng

RT: 8.234 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 271142

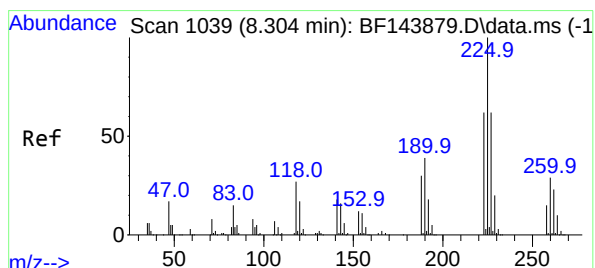
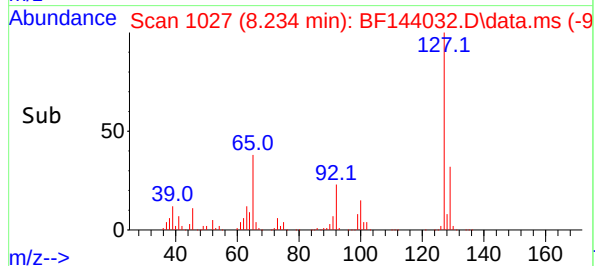
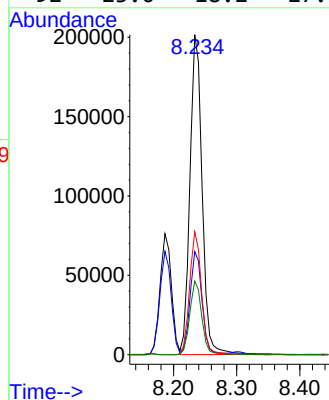
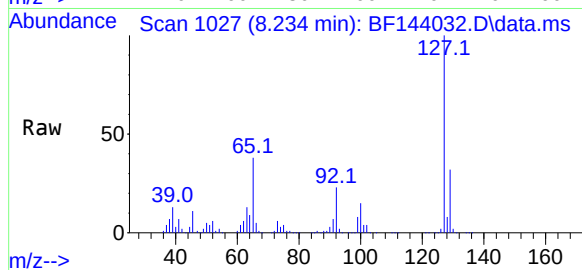
Ion Ratio Lower Upper

127 100

129 32.2 25.8 38.8

65 38.5 30.0 45.0

92 23.0 18.2 27.2



#34

Hexachlorobutadiene

Concen: 36.820 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

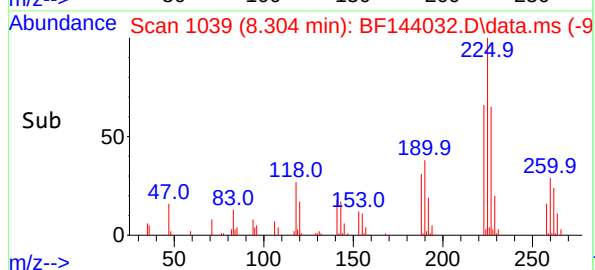
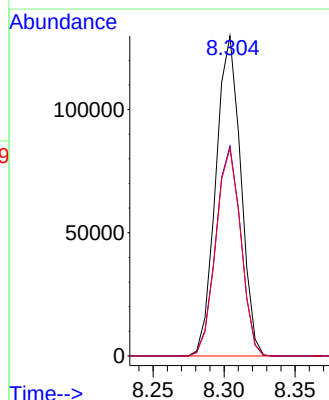
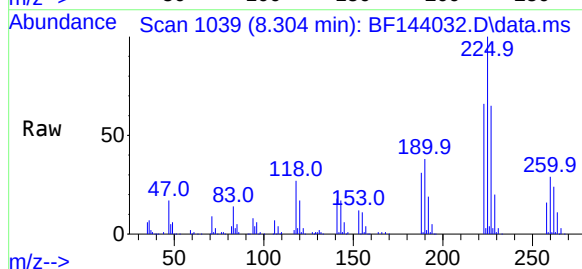
Tgt Ion:225 Resp: 158191

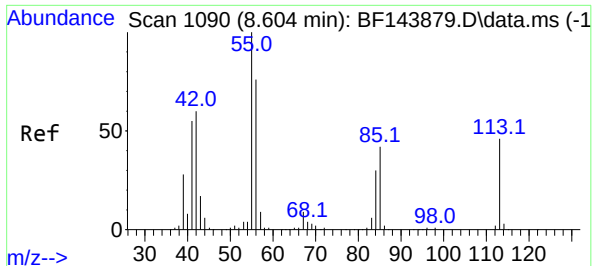
Ion Ratio Lower Upper

225 100

223 65.5 49.4 74.2

227 64.9 49.7 74.5

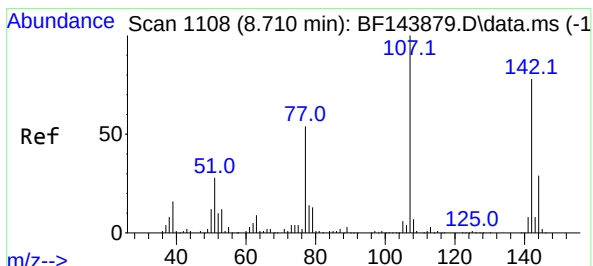
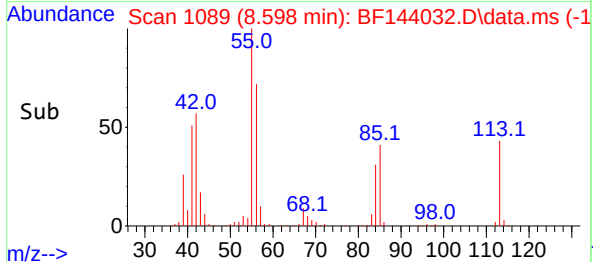
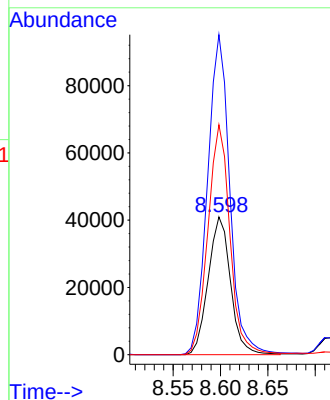
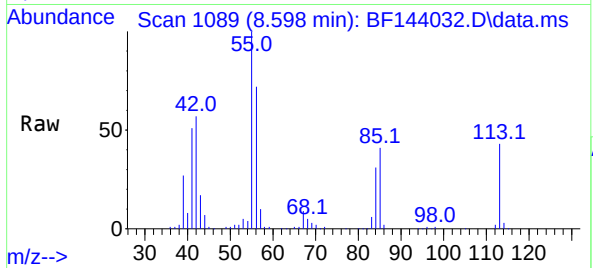




#35
Caprolactam
Concen: 33.592 ng
RT: 8.598 min Scan# 1090
Delta R.T. -0.047 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

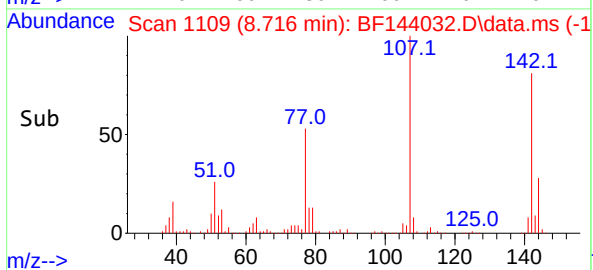
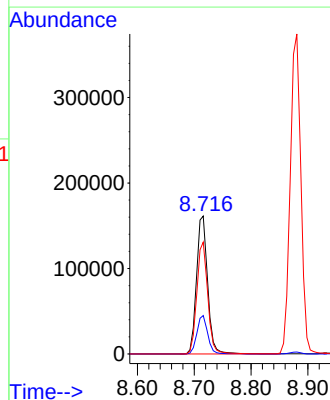
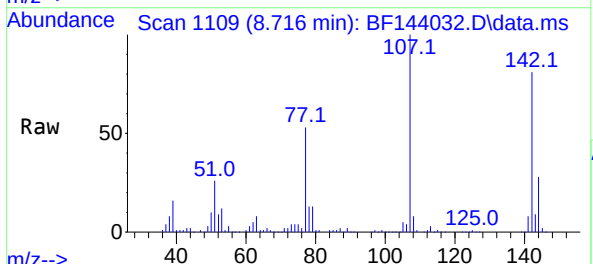
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

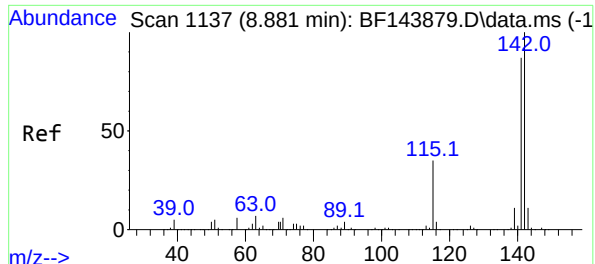
Tgt Ion:113 Resp: 67146
Ion Ratio Lower Upper
113 100
55 232.4 199.6 239.6
56 166.9 146.0 186.0



#36
4-Chloro-3-methylphenol
Concen: 36.599 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:107 Resp: 221009
Ion Ratio Lower Upper
107 100
144 27.8 23.1 34.7
142 81.1 62.6 94.0





#37

2-Methylnaphthalene

Concen: 37.215 ng

RT: 8.881 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

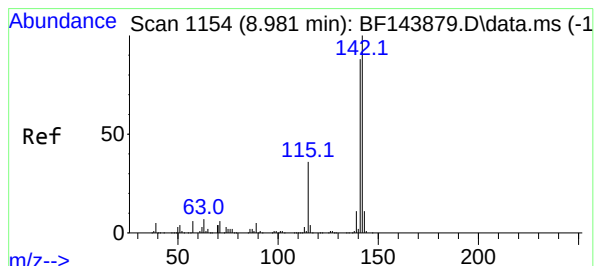
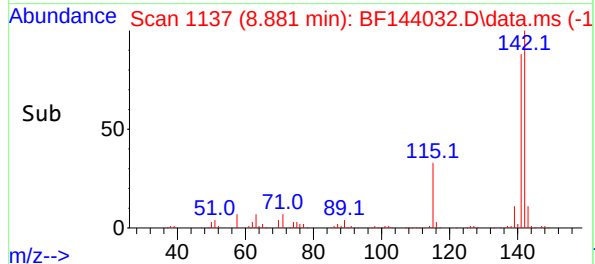
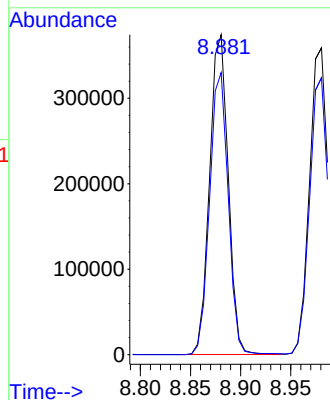
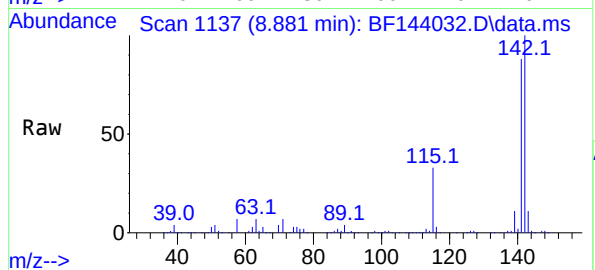
SSTDCCC040

Tgt Ion:142 Resp: 482790

Ion Ratio Lower Upper

142 100

141 88.1 69.2 103.8



#38

1-Methylnaphthalene

Concen: 36.835 ng

RT: 8.981 min Scan# 1154

Delta R.T. -0.005 min

Lab File: BF144032.D

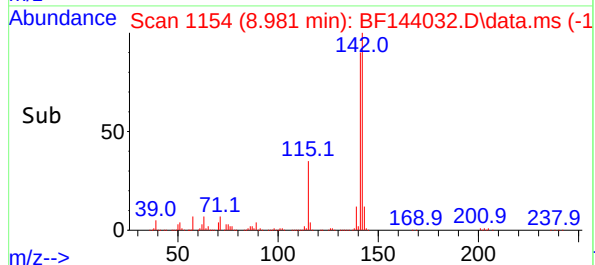
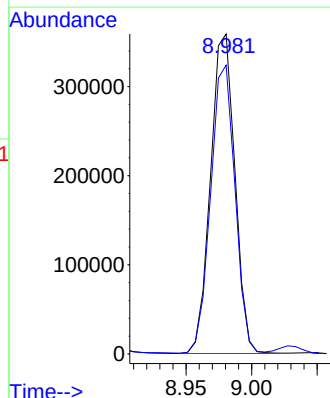
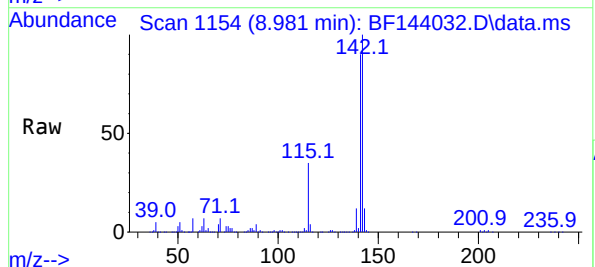
Acq: 22 Oct 2025 10:25

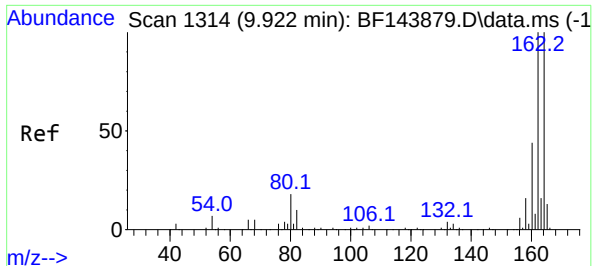
Tgt Ion:142 Resp: 463512

Ion Ratio Lower Upper

142 100

141 90.2 70.8 106.2

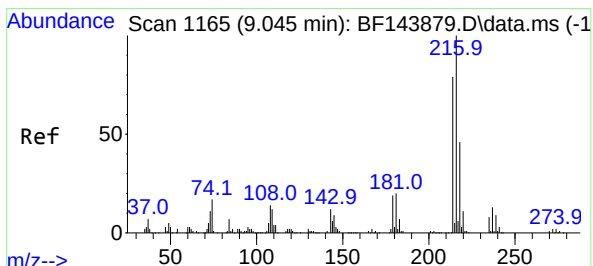
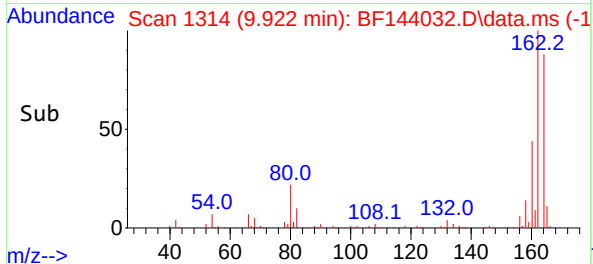
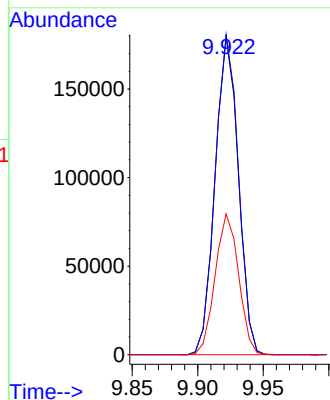
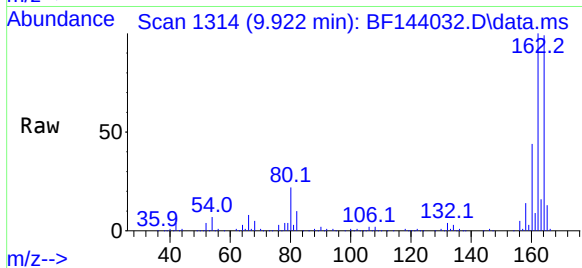




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 111
Delta R.T. -0.005 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

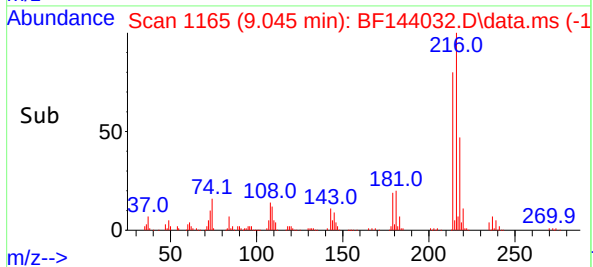
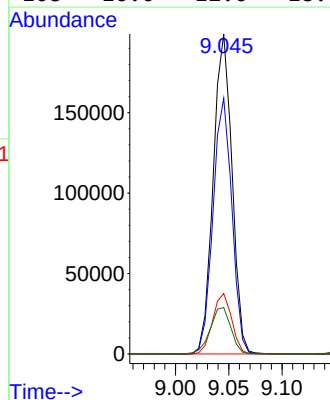
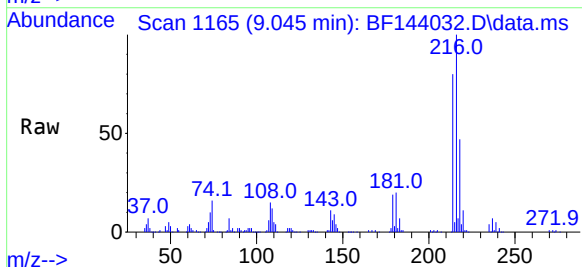
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

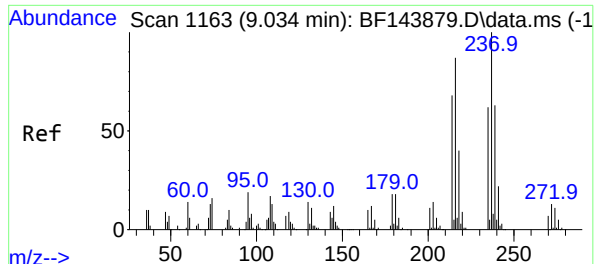
Tgt Ion:164 Resp: 220935
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.2
160 44.4 35.4 53.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.935 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:216 Resp: 243860
Ion Ratio Lower Upper
216 100
214 80.1 62.6 94.0
179 19.1 15.4 23.0
108 16.0 12.0 18.0





#41

Hexachlorocyclopentadiene

Concen: 34.519 ng

RT: 9.034 min Scan# 1163

Delta R.T. 0.000 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

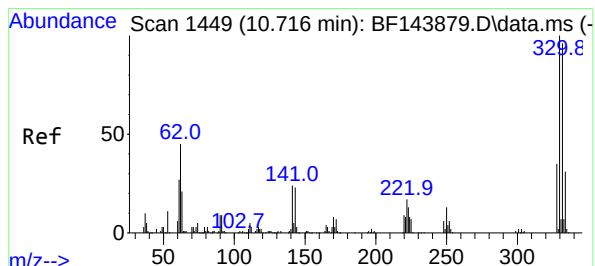
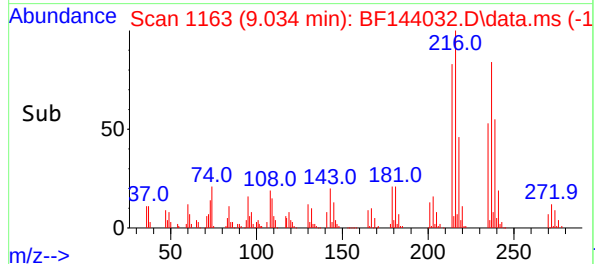
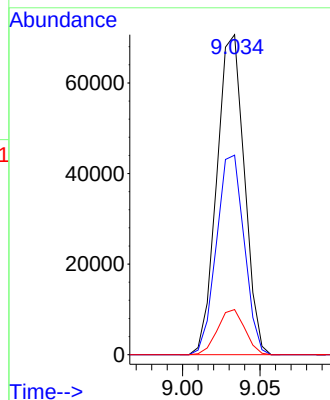
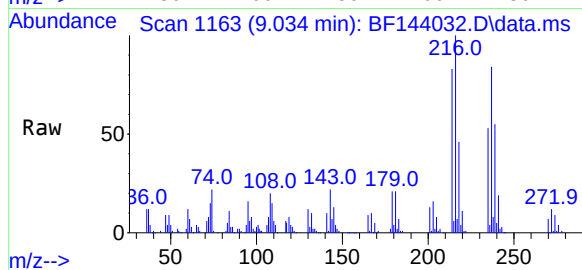
Tgt Ion:237 Resp: 87446

Ion Ratio Lower Upper

237 100

235 62.3 42.3 82.3

272 14.1 0.0 33.1



#42

2,4,6-Tribromophenol

Concen: 68.447 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

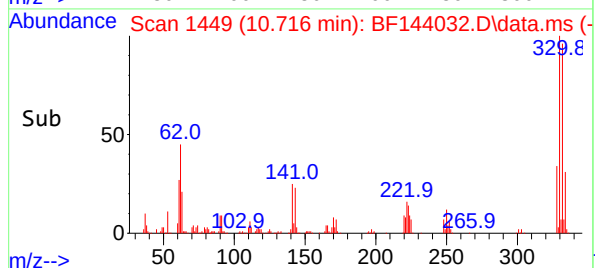
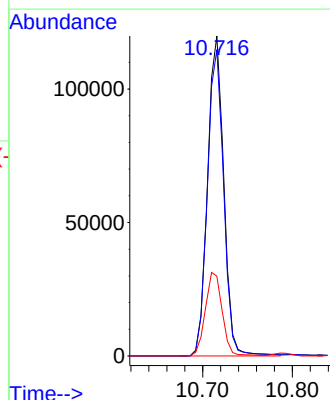
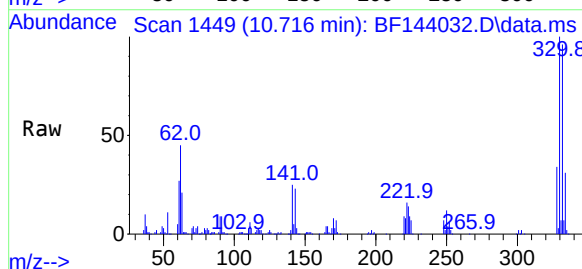
Tgt Ion:330 Resp: 150622

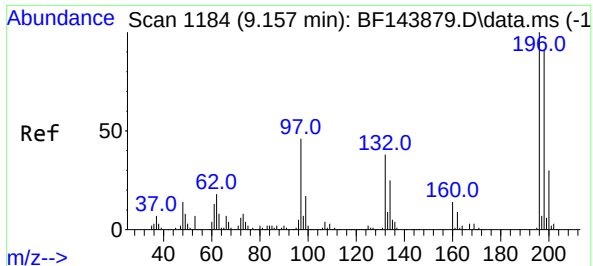
Ion Ratio Lower Upper

330 100

332 95.6 76.9 115.3

141 27.1 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 38.088 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

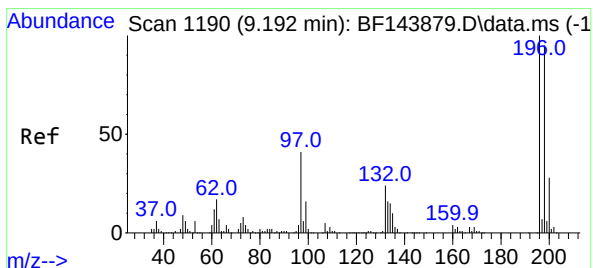
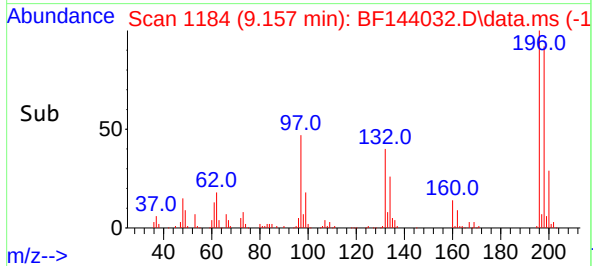
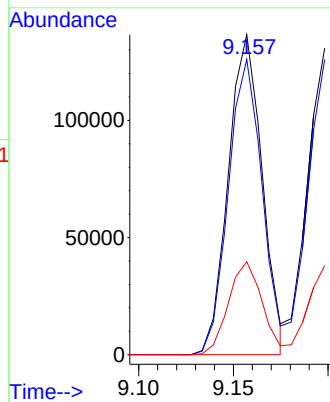
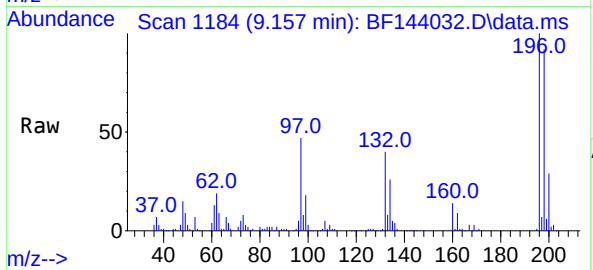
Tgt Ion:196 Resp: 169935

Ion Ratio Lower Upper

196 100

198 92.3 72.8 109.2

200 29.0 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 38.983 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Tgt Ion:196 Resp: 183803

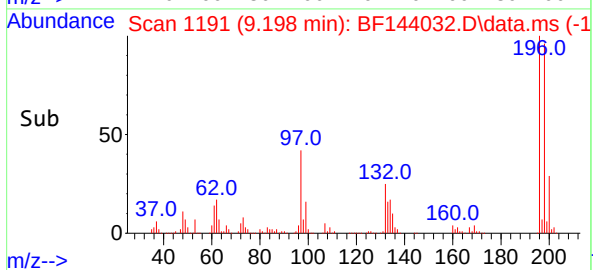
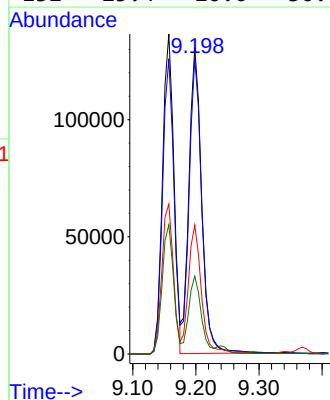
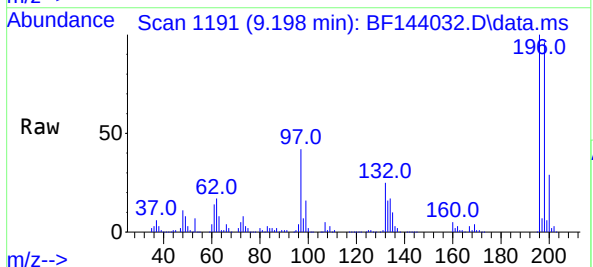
Ion Ratio Lower Upper

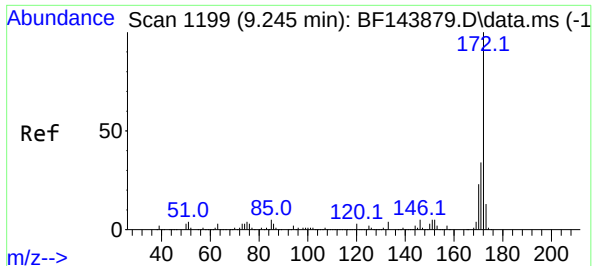
196 100

198 96.3 75.5 113.3

97 42.0 33.9 50.9

132 25.4 20.0 30.0





#45

2-Fluorobiphenyl

Concen: 74.454 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

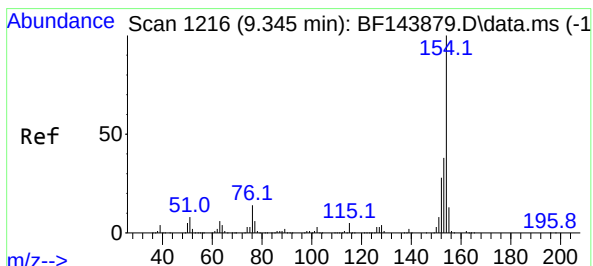
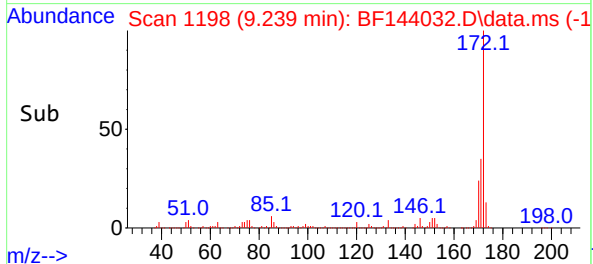
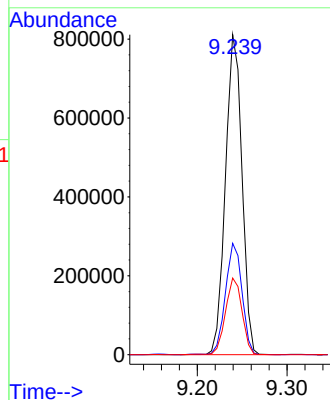
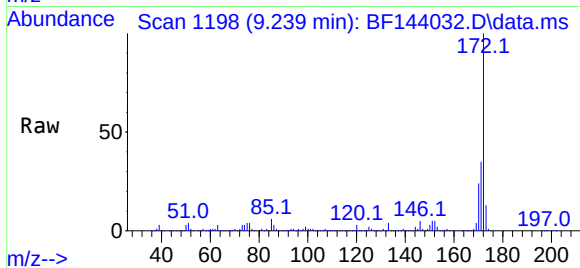
Tgt Ion:172 Resp: 1036678

Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

170 23.9 18.6 28.0



#46

1,1'-Biphenyl

Concen: 38.813 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

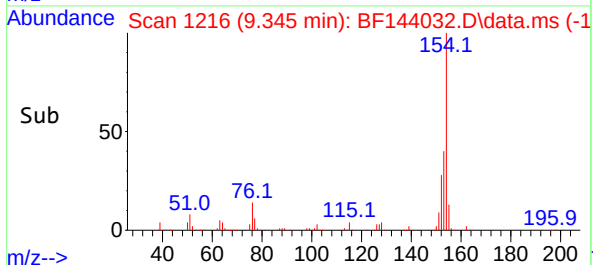
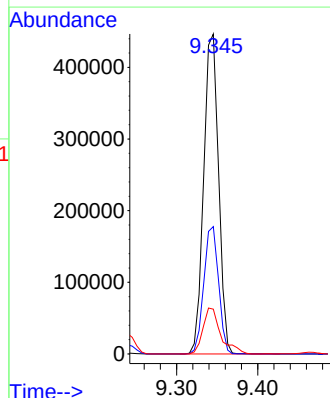
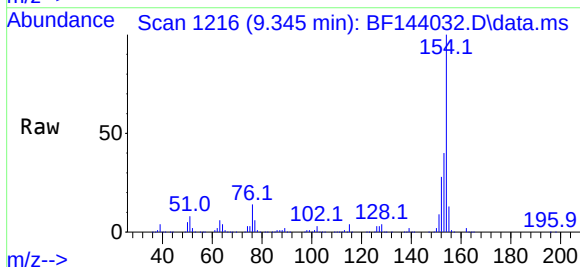
Tgt Ion:154 Resp: 567757

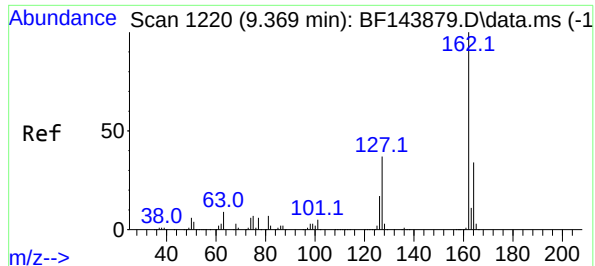
Ion Ratio Lower Upper

154 100

153 39.8 18.4 58.4

76 14.0 0.0 34.0





#47

2-Chloronaphthalene

Concen: 39.918 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

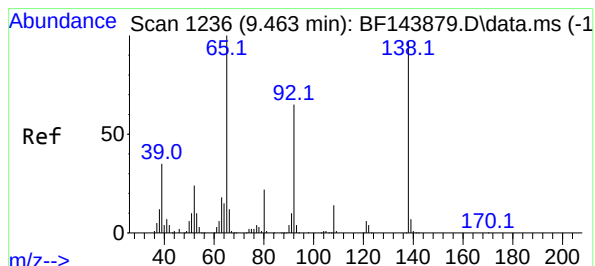
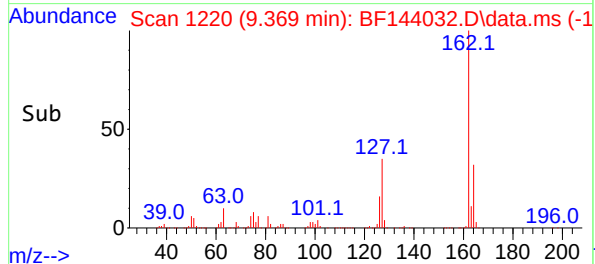
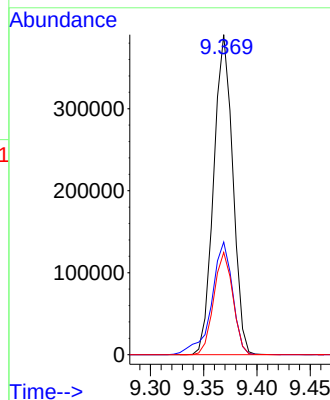
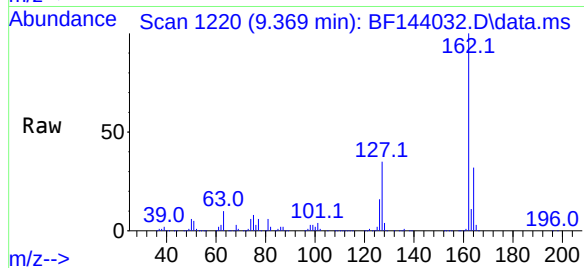
Tgt Ion:162 Resp: 486843

Ion Ratio Lower Upper

162 100

127 35.2 30.2 45.2

164 31.9 26.9 40.3



#48

2-Nitroaniline

Concen: 41.110 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

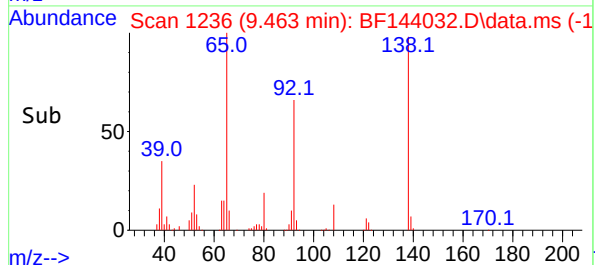
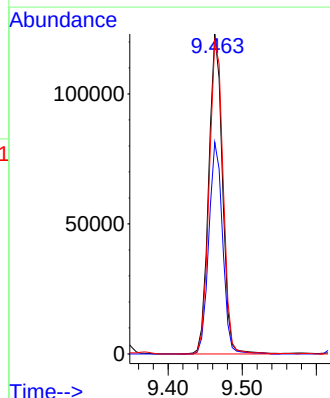
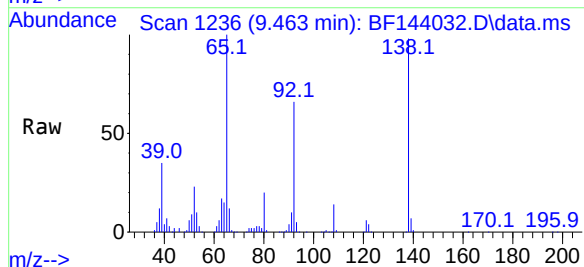
Tgt Ion: 65 Resp: 158514

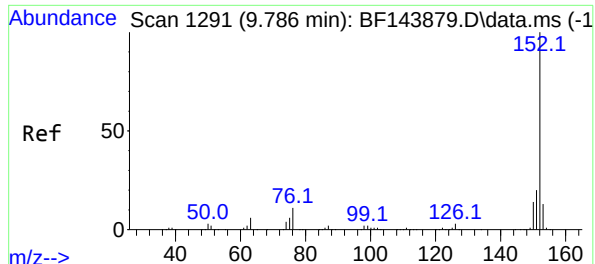
Ion Ratio Lower Upper

65 100

92 66.1 52.1 78.1

138 97.9 77.4 116.2





#49

Acenaphthylene

Concen: 38.355 ng

RT: 9.781 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

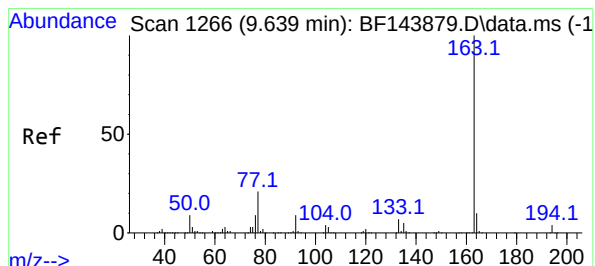
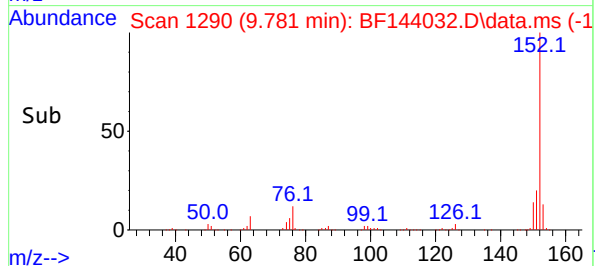
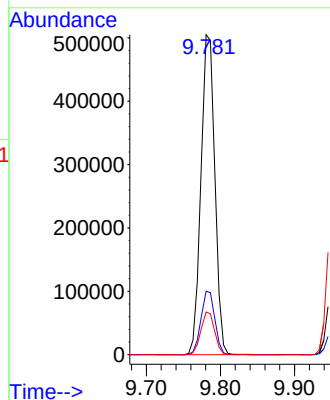
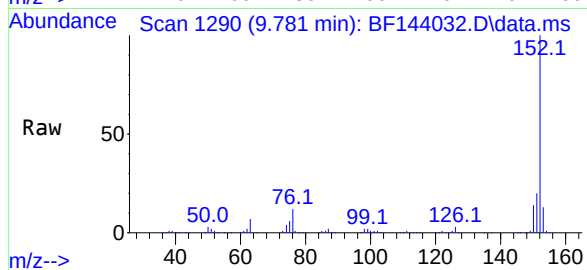
Tgt Ion:152 Resp: 657637

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.6

153 13.3 10.5 15.7



#50

Dimethylphthalate

Concen: 36.978 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

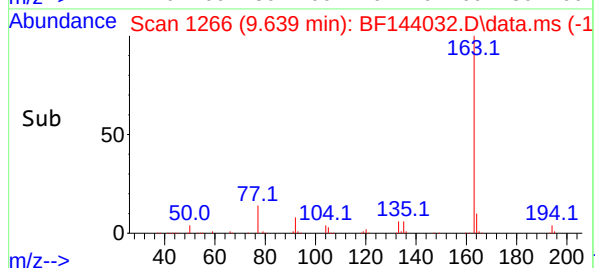
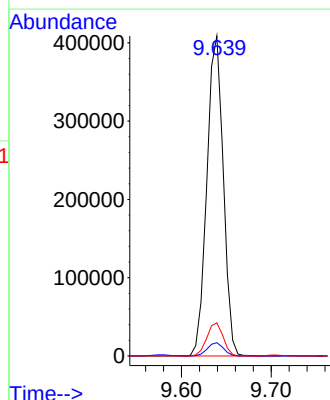
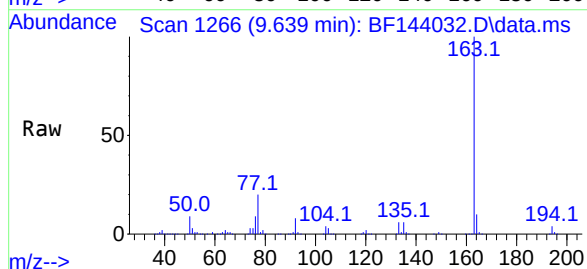
Tgt Ion:163 Resp: 518815

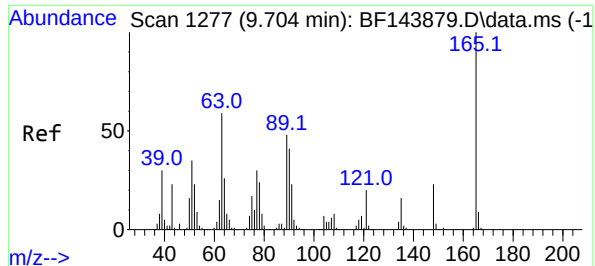
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.4 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 41.669 ng

RT: 9.704 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

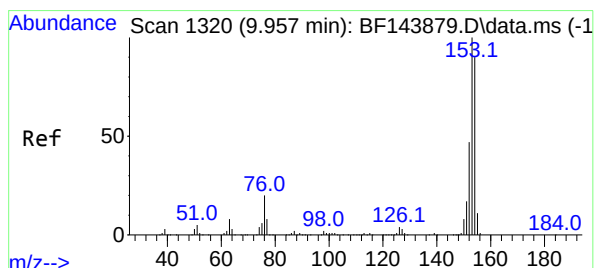
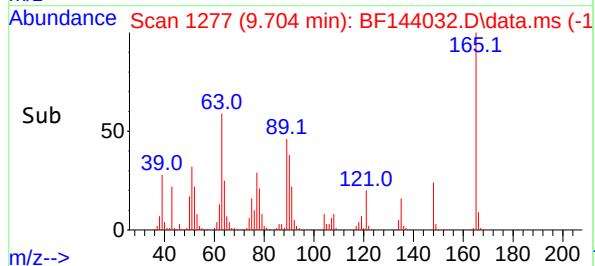
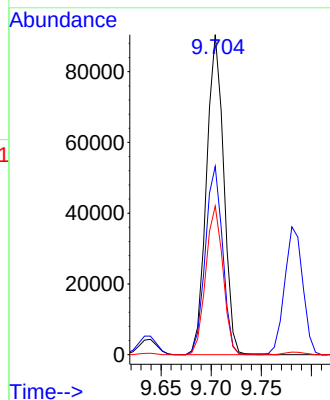
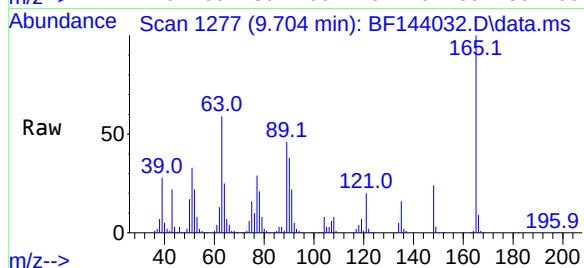
Tgt Ion:165 Resp: 108407

Ion Ratio Lower Upper

165 100

63 58.9 47.3 70.9

89 46.4 38.2 57.4



#52

Acenaphthene

Concen: 38.850 ng

RT: 9.957 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

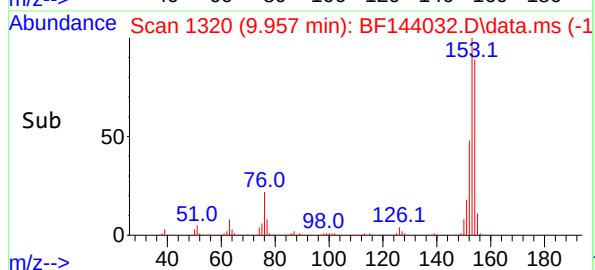
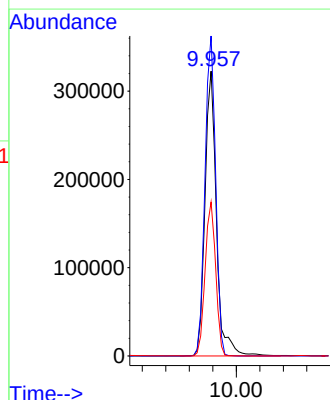
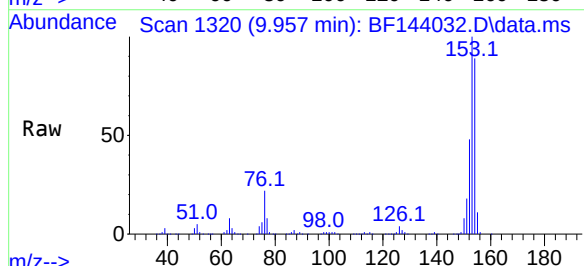
Tgt Ion:154 Resp: 436481

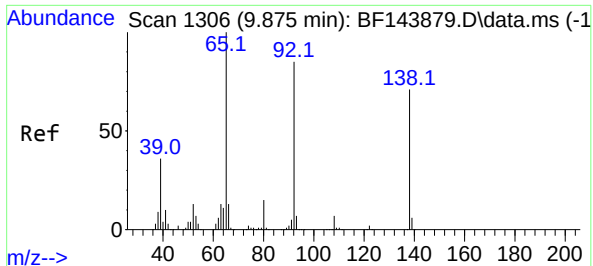
Ion Ratio Lower Upper

154 100

153 112.4 89.3 133.9

152 54.1 42.2 63.2

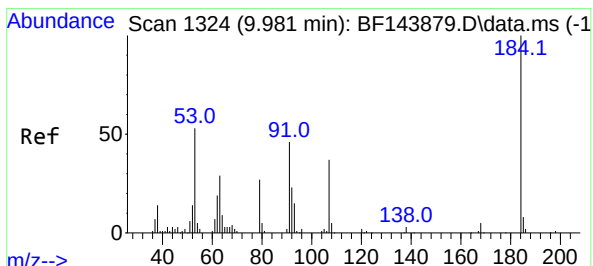
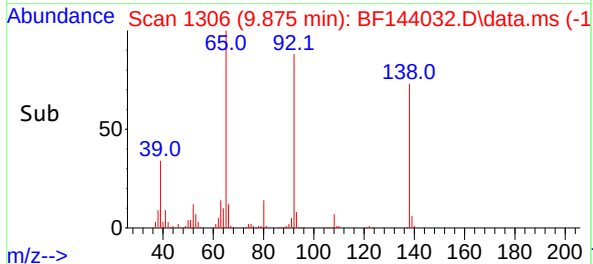
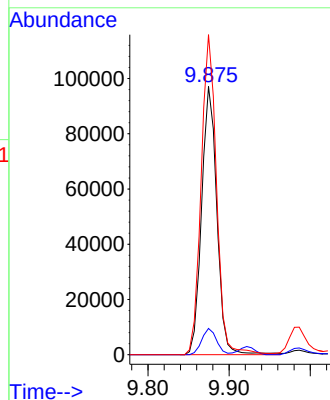
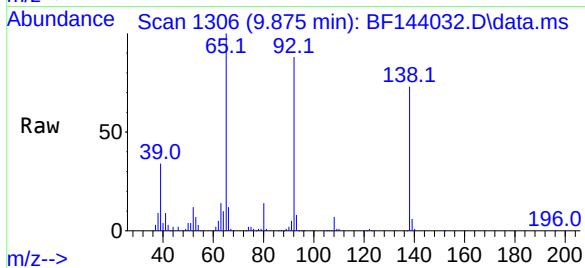




#53
3-Nitroaniline
Concen: 39.926 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

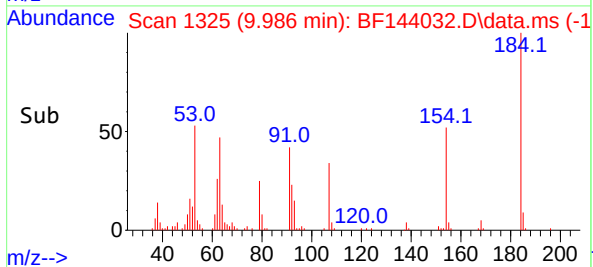
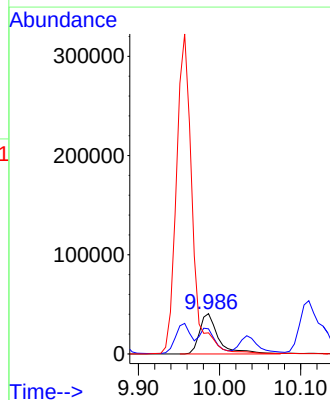
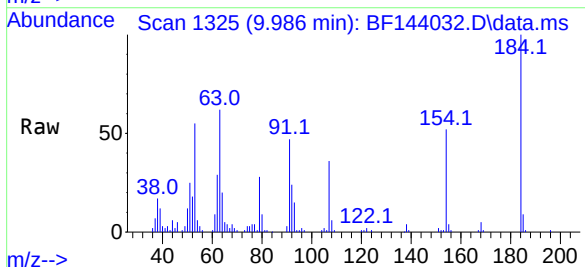
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

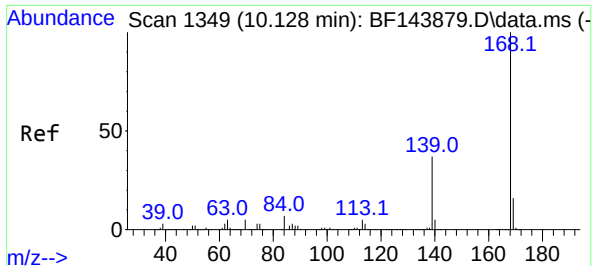
Tgt Ion:138 Resp: 127187
Ion Ratio Lower Upper
138 100
108 9.8 8.3 12.5
92 119.4 96.2 144.2



#54
2,4-Dinitrophenol
Concen: 44.671 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:184 Resp: 66301
Ion Ratio Lower Upper
184 100
63 62.2 48.2 72.4
154 52.3 49.2 73.8





#55

Dibenzofuran

Concen: 38.039 ng

RT: 10.128 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

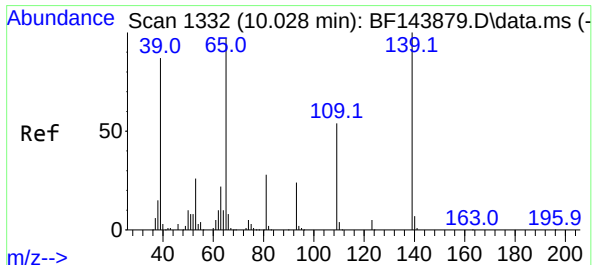
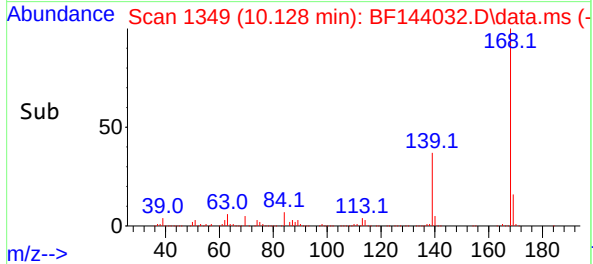
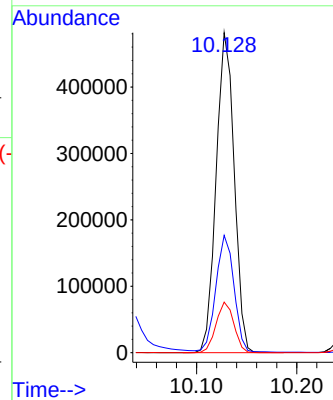
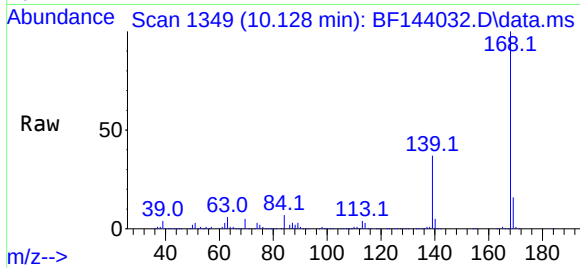
Tgt Ion:168 Resp: 603282

Ion Ratio Lower Upper

168 100

139 36.7 29.8 44.8

169 15.8 12.8 19.2



#56

4-Nitrophenol

Concen: 40.532 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

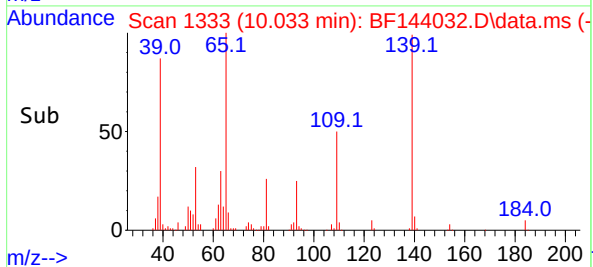
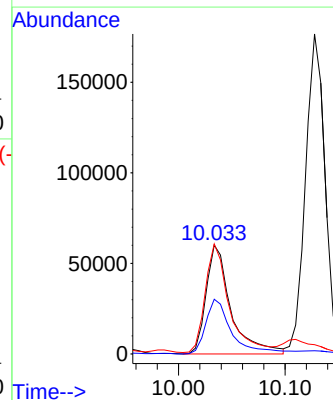
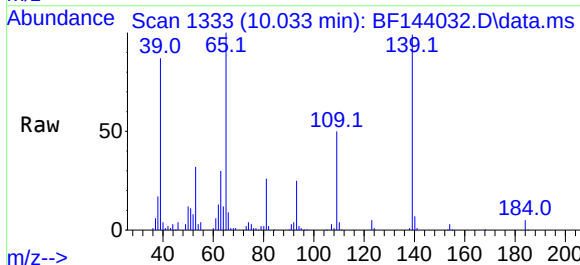
Tgt Ion:139 Resp: 97764

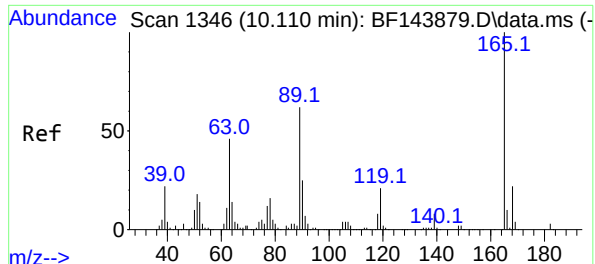
Ion Ratio Lower Upper

139 100

109 50.3 34.5 74.5

65 101.2 77.6 117.6





#57

2,4-Dinitrotoluene

Concen: 40.776 ng

RT: 10.110 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 144342

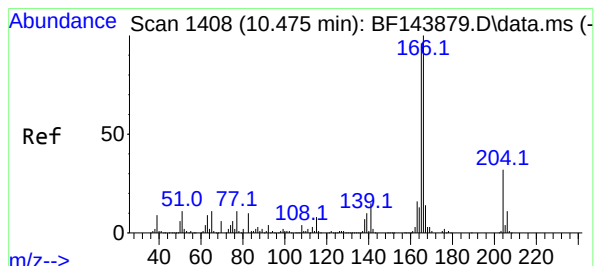
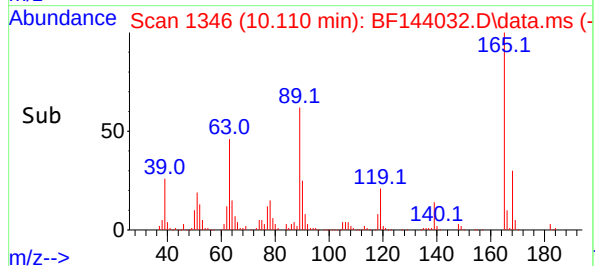
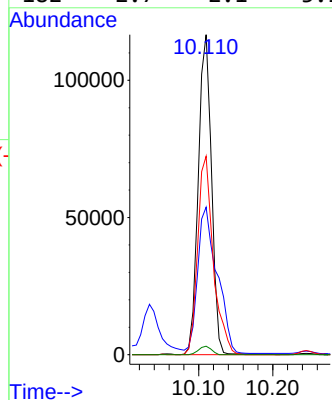
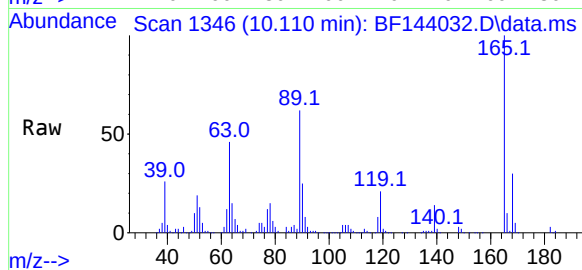
Ion Ratio Lower Upper

165 100

63 46.1 37.2 55.8

89 62.0 49.4 74.2

182 2.7 2.1 3.1



#58

Fluorene

Concen: 38.186 ng

RT: 10.475 min Scan# 1408

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

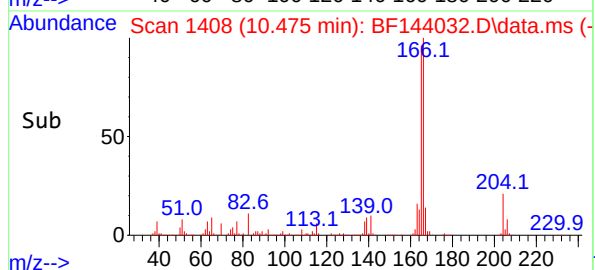
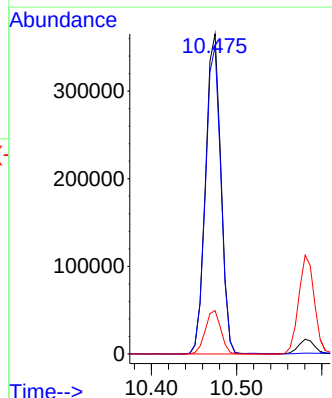
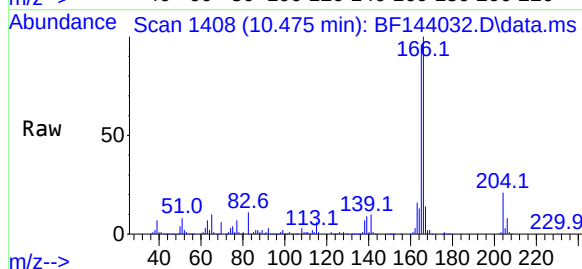
Tgt Ion:166 Resp: 456971

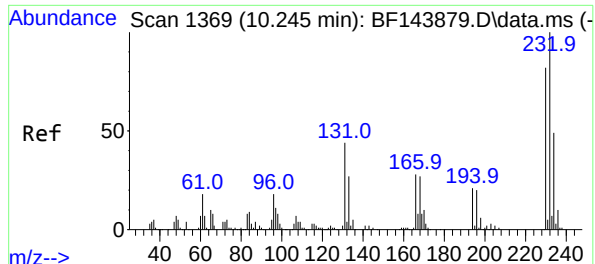
Ion Ratio Lower Upper

166 100

165 96.2 77.0 115.6

167 13.5 11.1 16.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 35.983 ng

RT: 10.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:232 Resp: 120098

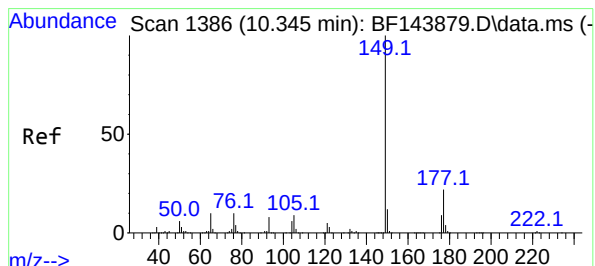
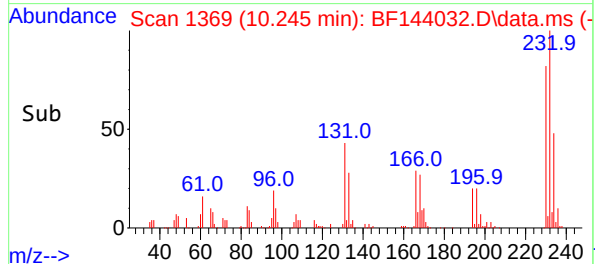
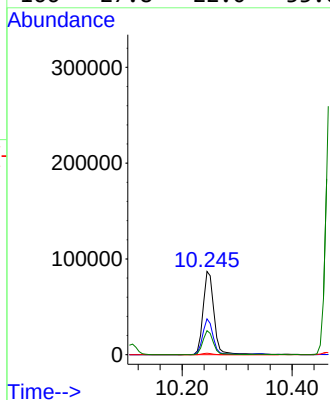
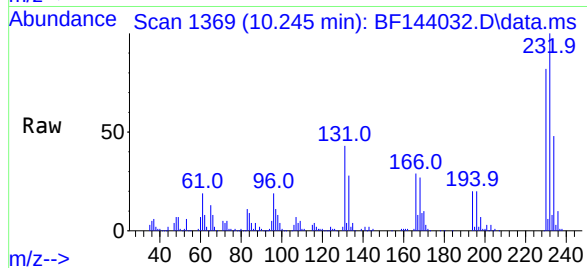
Ion Ratio Lower Upper

232 100

131 41.3 34.9 52.3

130 1.5 1.6 2.4#

166 27.8 22.0 33.0



#60

Diethylphthalate

Concen: 36.475 ng

RT: 10.339 min Scan# 1385

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

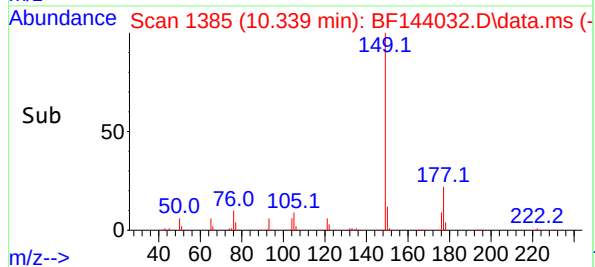
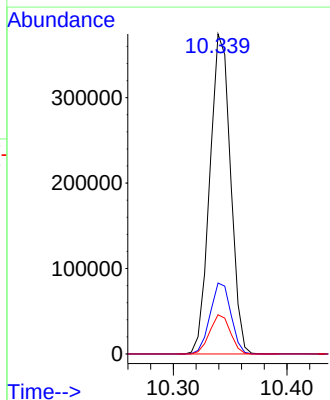
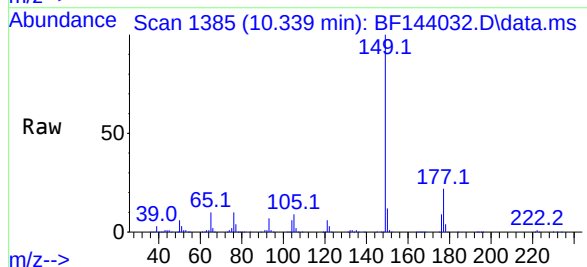
Tgt Ion:149 Resp: 475428

Ion Ratio Lower Upper

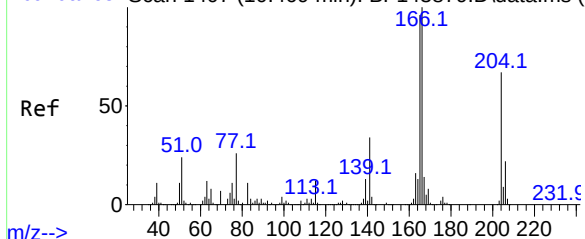
149 100

177 22.2 17.9 26.9

150 12.2 9.8 14.8



Abundance Scan 1407 (10.469 min): BF143879.D\data.ms (-

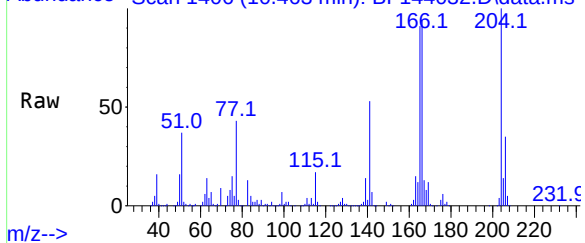


#61
4-Chlorophenyl-phenylether
Concen: 37.479 ng
RT: 10.463 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

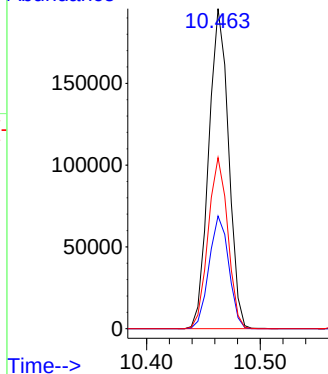
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 204 Resp: 237125
Ion Ratio Lower Upper
204 100
206 35.2 26.6 40.0
141 53.4 40.4 60.6

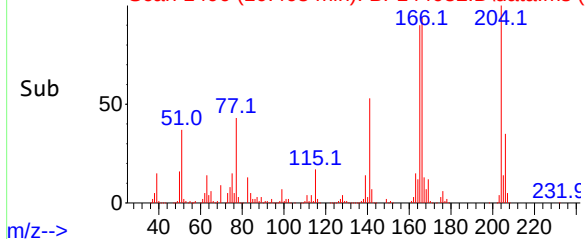
Abundance Scan 1406 (10.463 min): BF144032.D\data.ms (-



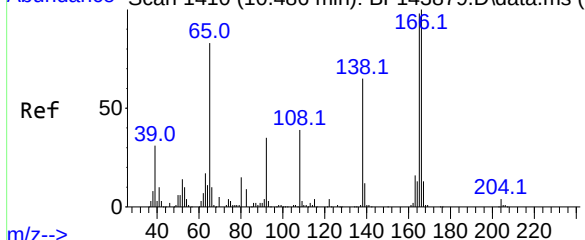
Abundance



Abundance Scan 1406 (10.463 min): BF144032.D\data.ms (-



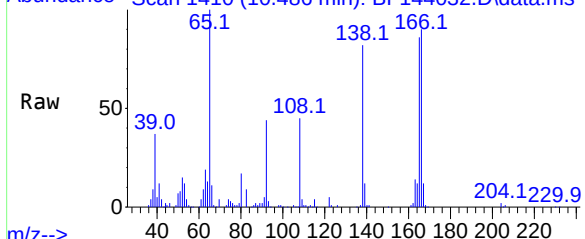
Abundance Scan 1410 (10.486 min): BF143879.D\data.ms (-



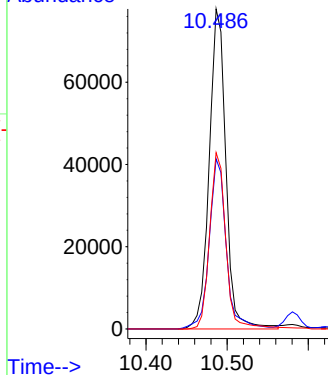
#62
4-Nitroaniline
Concen: 36.275 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 138 Resp: 111123
Ion Ratio Lower Upper
138 100
92 53.2 33.9 73.9
108 55.1 40.2 80.2

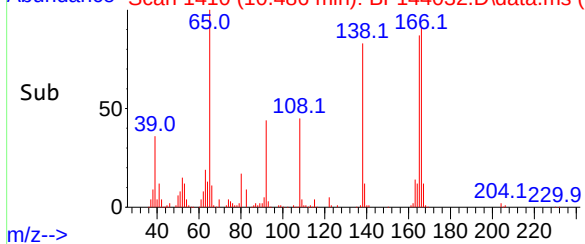
Abundance Scan 1410 (10.486 min): BF144032.D\data.ms (-

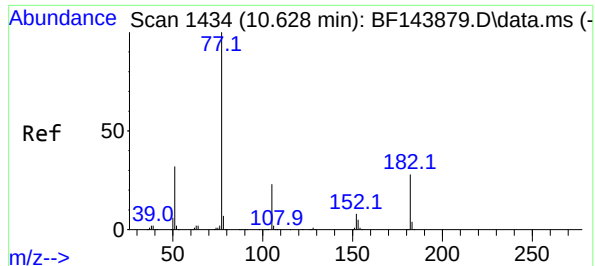


Abundance



Abundance Scan 1410 (10.486 min): BF144032.D\data.ms (-



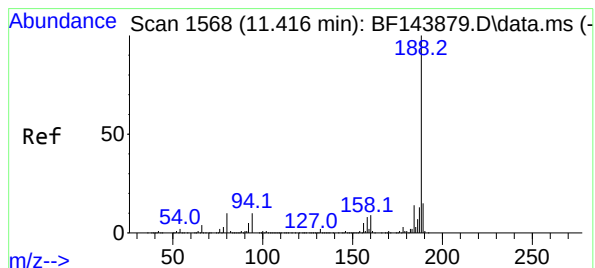
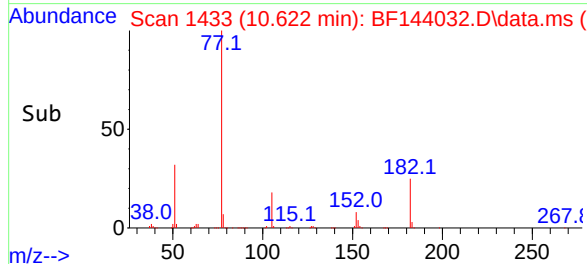
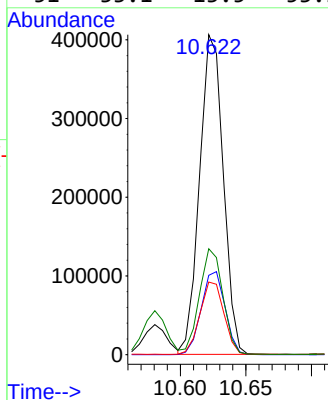
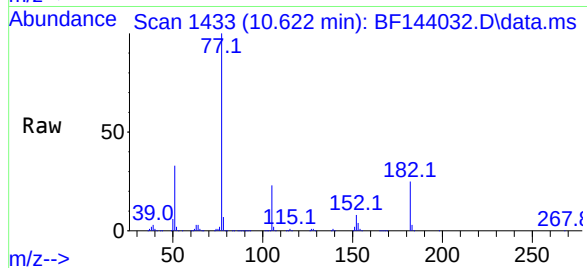


#63
Azobenzene
Concen: 37.526 ng
RT: 10.622 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 511202

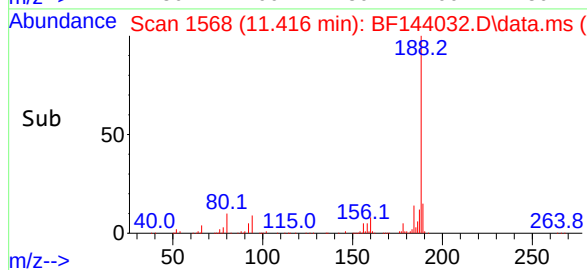
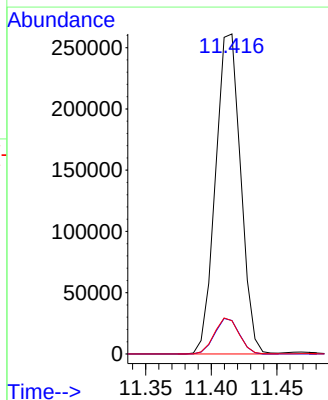
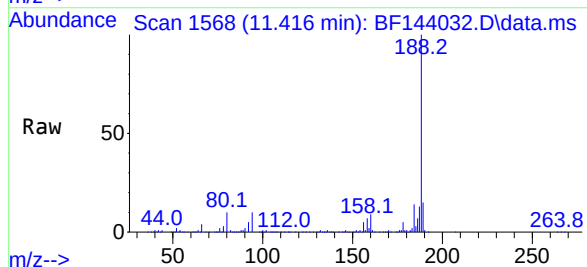
Ion	Ratio	Lower	Upper
77	100		
182	24.8	7.3	47.3
105	22.7	3.0	43.0
51	33.1	13.5	53.5

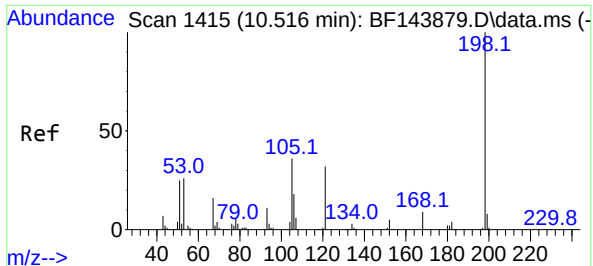


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 188 Resp: 348267

Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.8	11.6
80	10.4	7.9	11.9

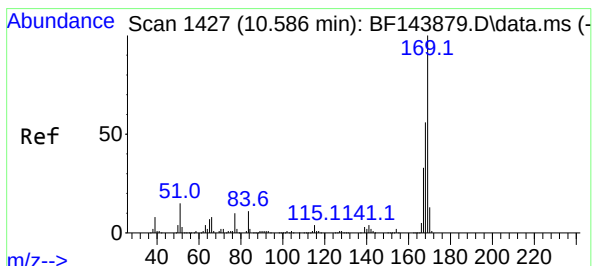
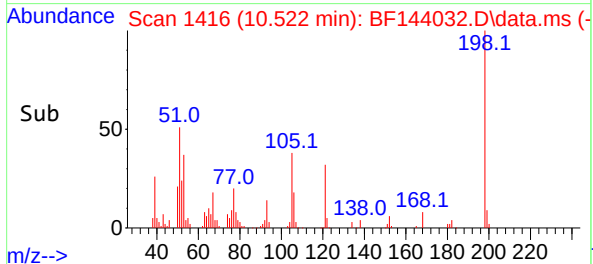
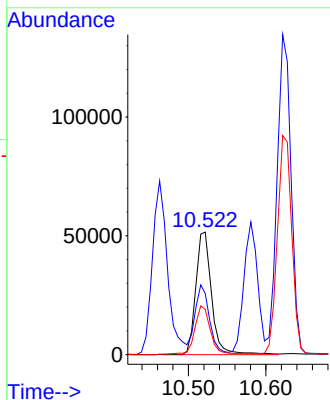
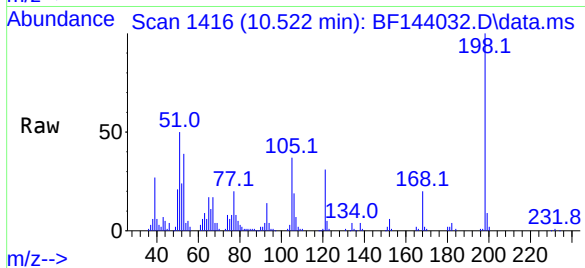




#65
4,6-Dinitro-2-methylphenol
Concen: 41.812 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

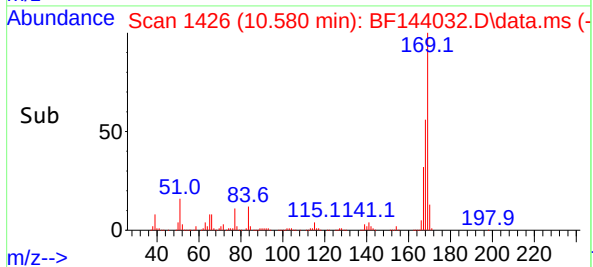
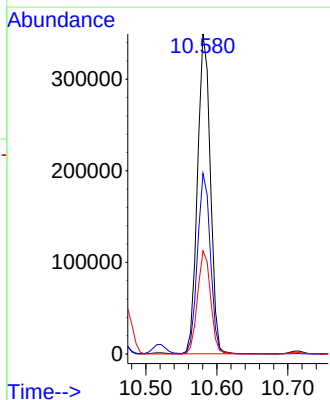
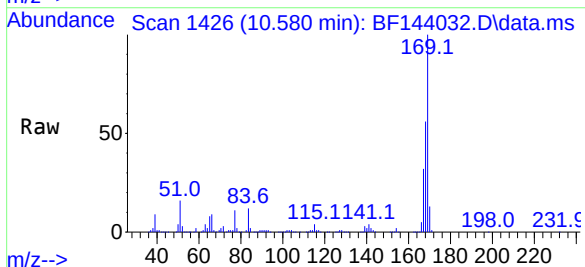
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

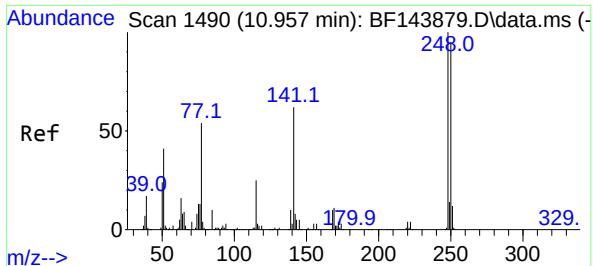
Tgt Ion:198 Resp: 73177
Ion Ratio Lower Upper
198 100
51 49.9 33.8 73.8
105 36.8 17.0 57.0



#66
n-Nitrosodiphenylamine
Concen: 40.263 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:169 Resp: 440289
Ion Ratio Lower Upper
169 100
168 56.4 44.9 67.3
167 32.2 26.3 39.5

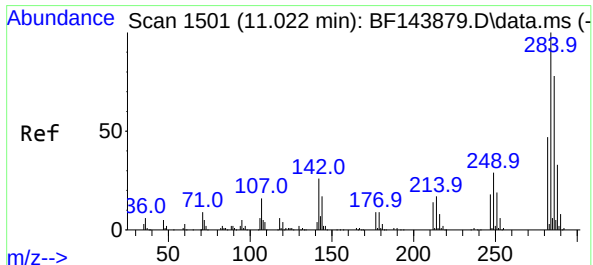
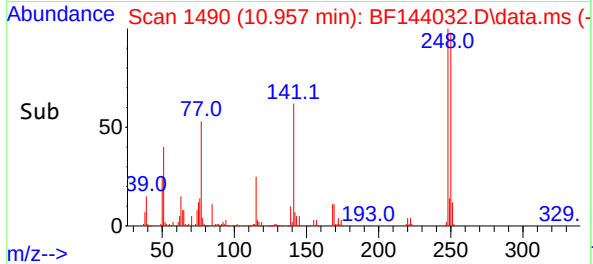
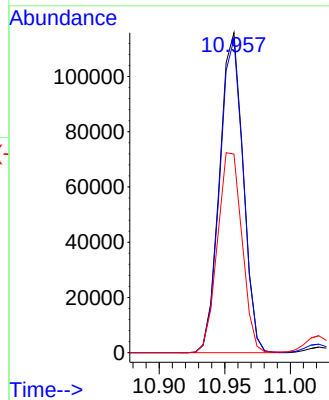
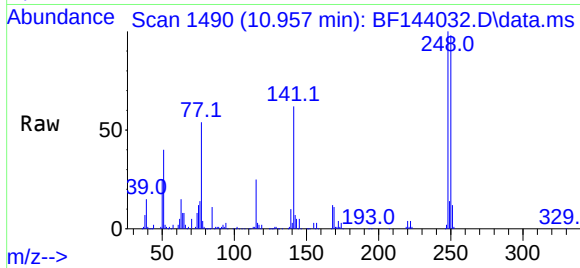




#67
4-Bromophenyl-phenylether
Concen: 37.679 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

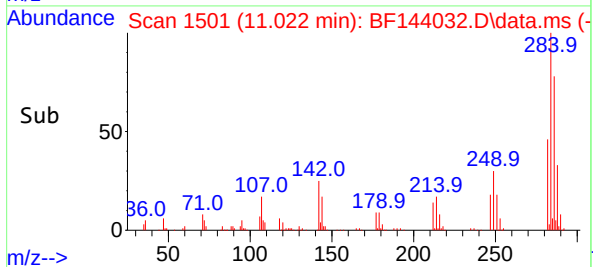
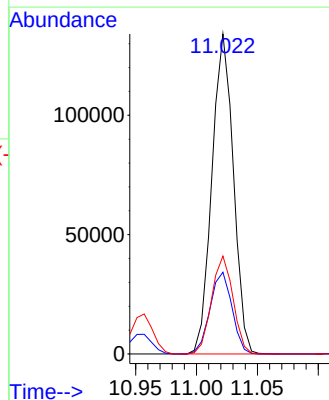
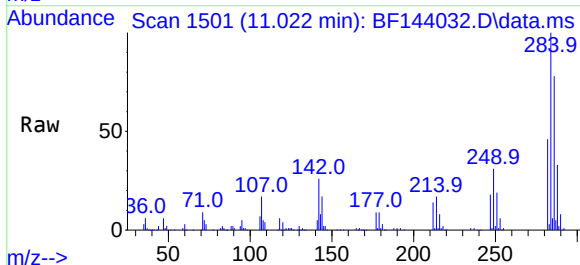
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

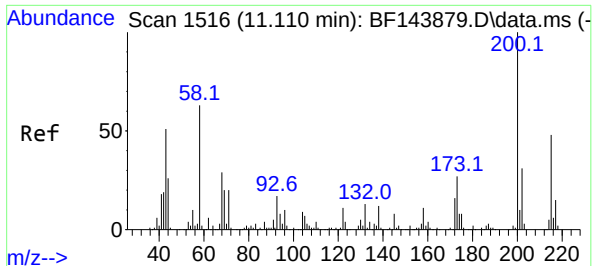
Tgt Ion:248 Resp: 145024
Ion Ratio Lower Upper
248 100
250 98.1 76.3 114.5
141 62.1 49.7 74.5



#68
Hexachlorobenzene
Concen: 36.926 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:284 Resp: 164539
Ion Ratio Lower Upper
284 100
142 25.6 20.6 30.8
249 30.6 23.2 34.8





#69

Atrazine

Concen: 35.821 ng

RT: 11.110 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

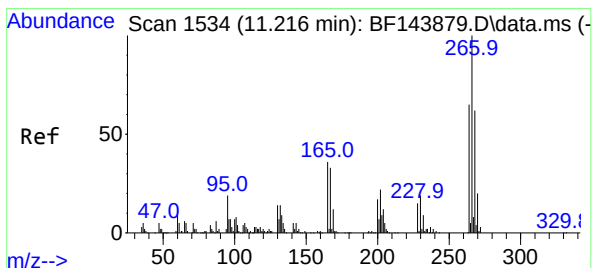
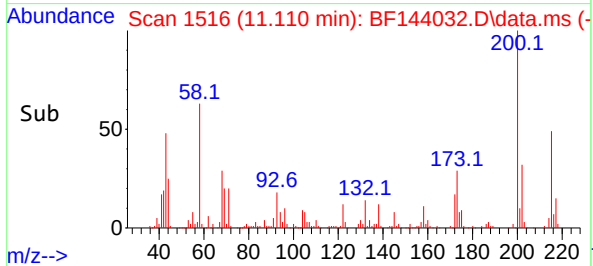
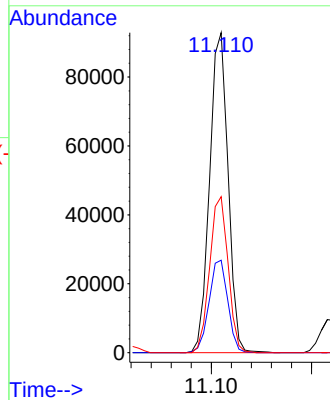
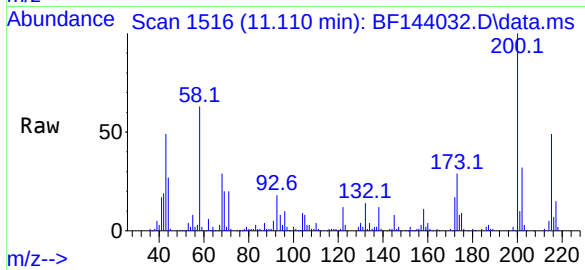
Tgt Ion:200 Resp: 118727

Ion Ratio Lower Upper

200 100

173 28.9 7.0 47.0

215 48.7 27.8 67.8



#70

Pentachlorophenol

Concen: 36.128 ng

RT: 11.222 min Scan# 1535

Delta R.T. 0.000 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

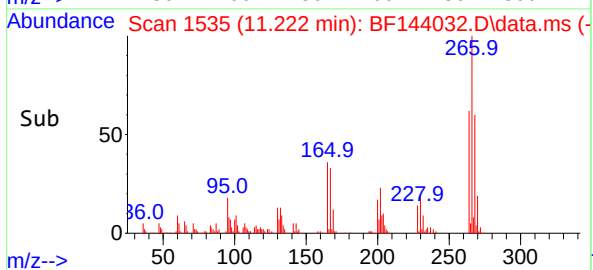
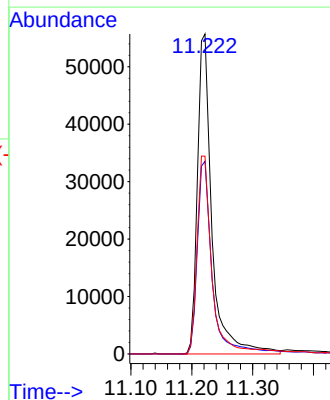
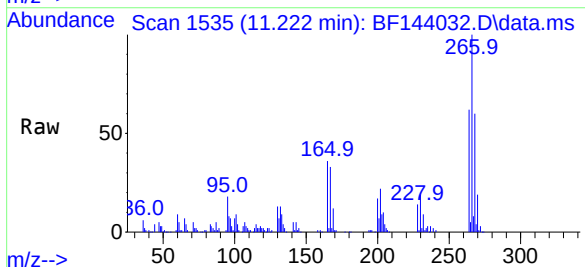
Tgt Ion:266 Resp: 92458

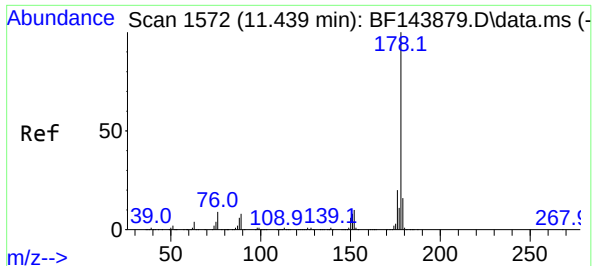
Ion Ratio Lower Upper

266 100

268 60.2 49.4 74.0

264 61.8 51.8 77.6

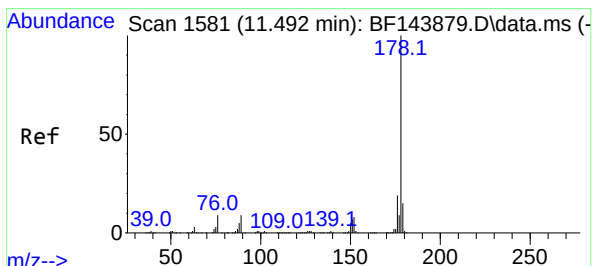
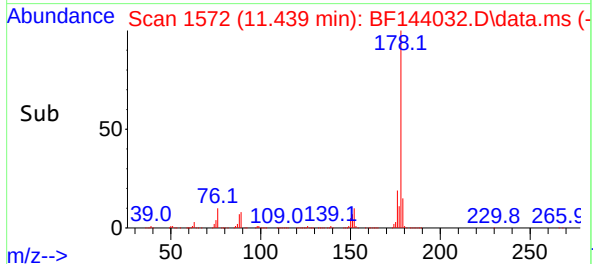
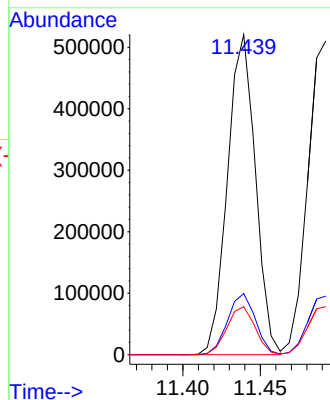
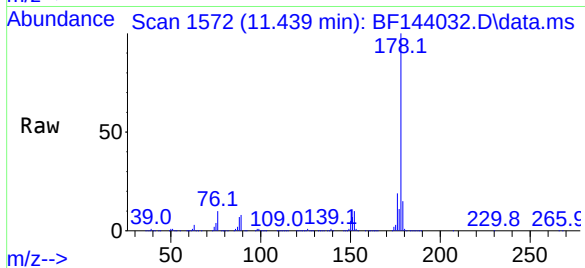




#71
Phenanthrene
Concen: 38.651 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

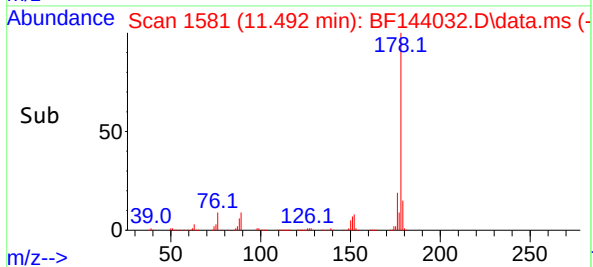
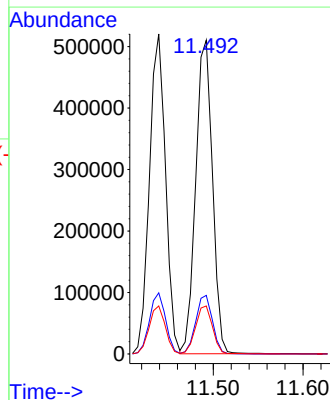
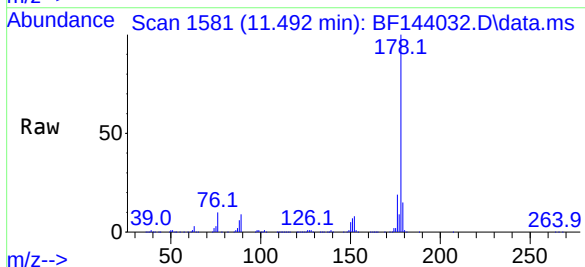
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

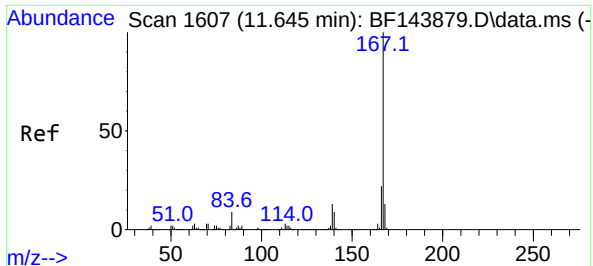
Tgt Ion:178 Resp: 652589
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.0 12.4 18.6



#72
Anthracene
Concen: 38.807 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:178 Resp: 661923
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.3 12.2 18.2

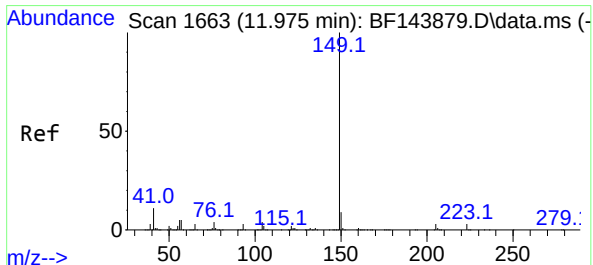
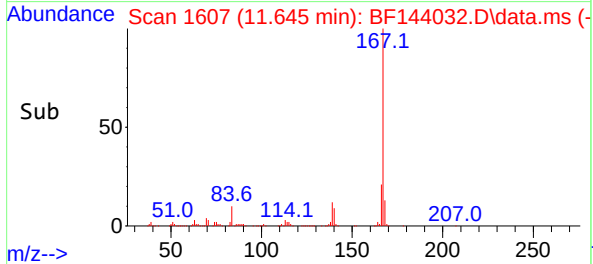
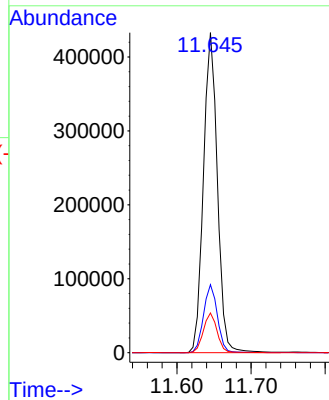
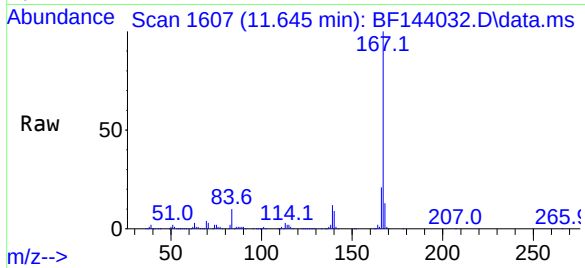




#73
Carbazole
Concen: 37.489 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

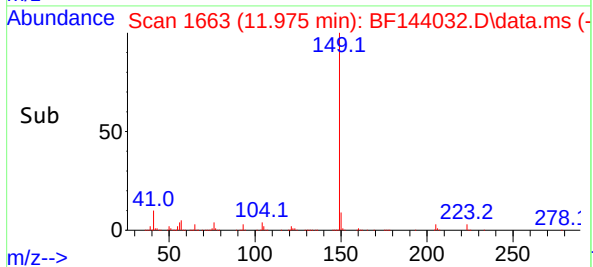
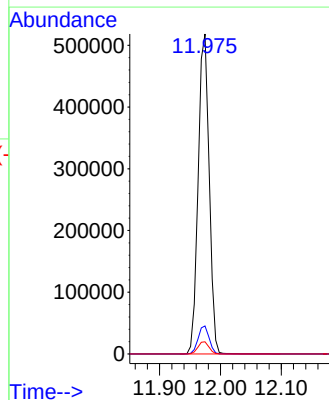
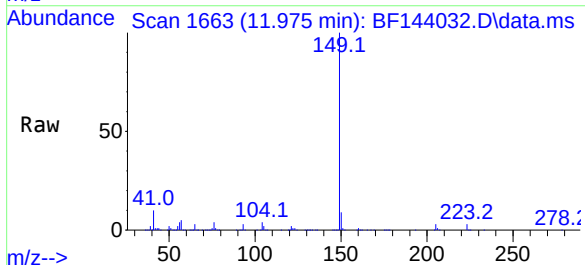
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

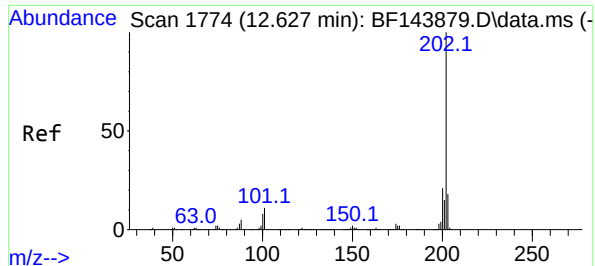
Tgt Ion:167	Resp: 566341
Ion Ratio	Lower Upper
167	100
166	21.2 17.2 25.8
139	12.4 10.1 15.1



#74
Di-n-butylphthalate
Concen: 37.085 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:149	Resp: 649289
Ion Ratio	Lower Upper
149	100
150	8.8 7.4 11.2
104	3.8 3.4 5.2

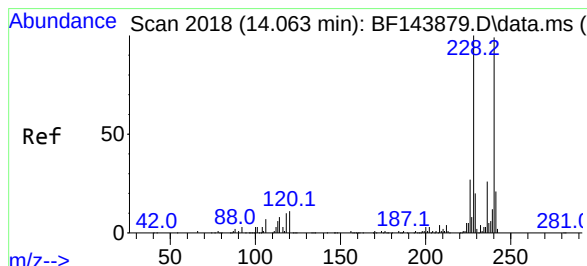
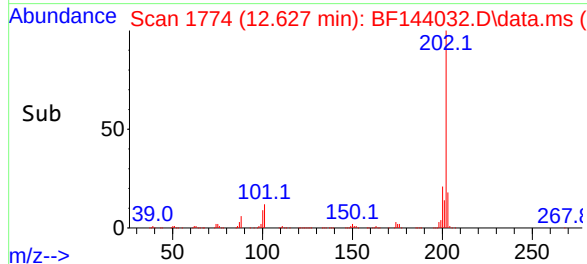
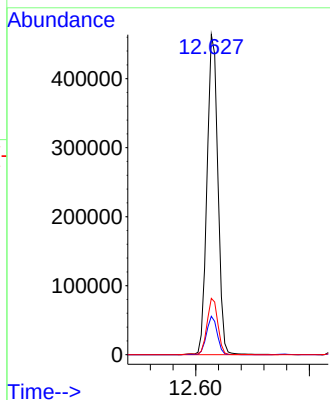
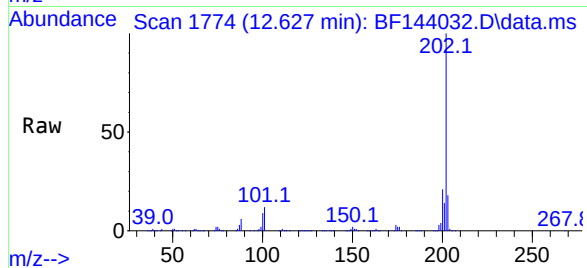




#75
Fluoranthene
Concen: 35.129 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

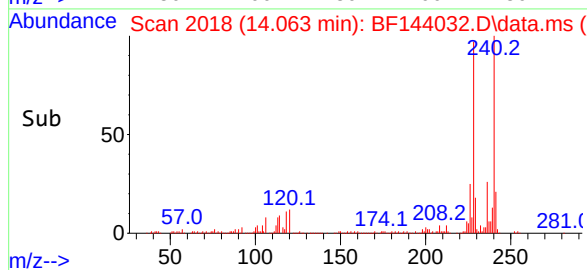
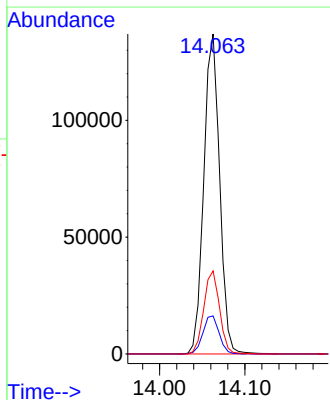
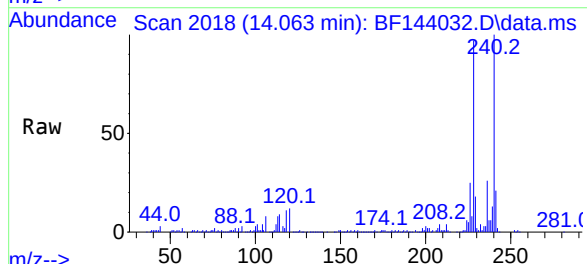
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

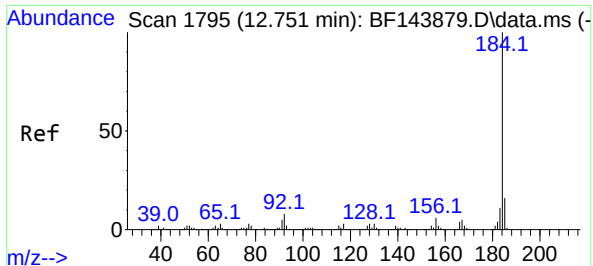
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	30.7
203	17.6	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.6	13.0
236	25.9	21.1	31.7

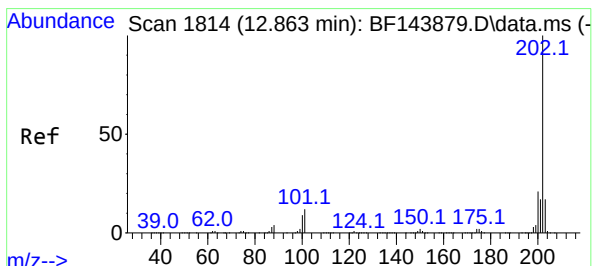
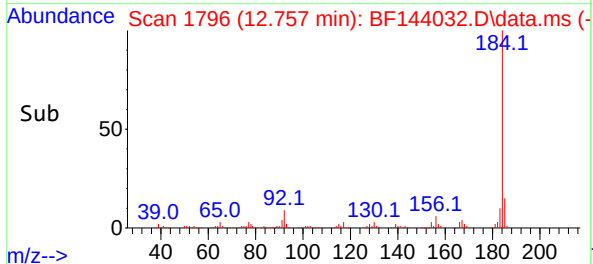
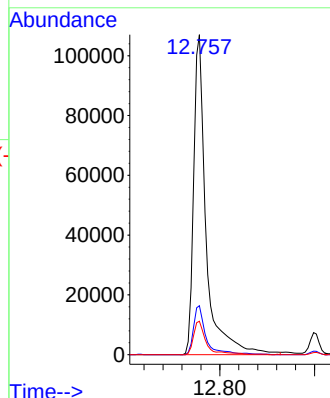
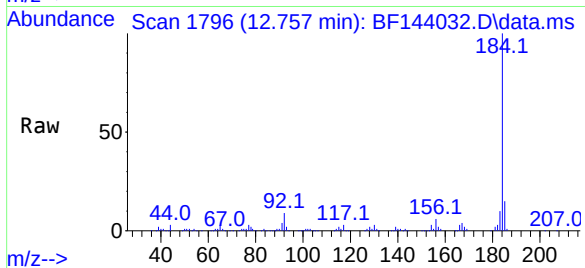




#77
Benzidine
Concen: 32.073 ng
RT: 12.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

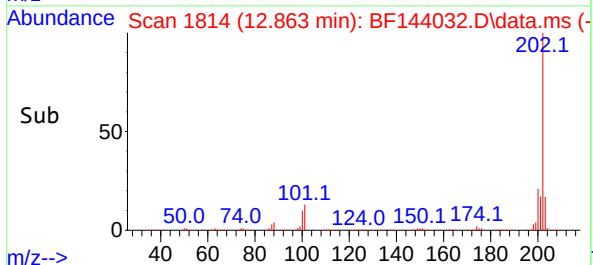
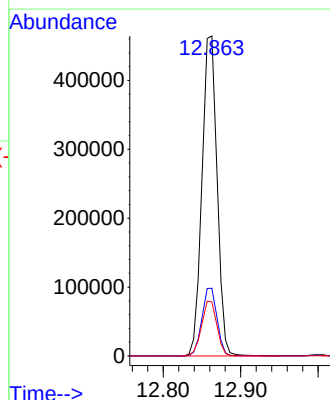
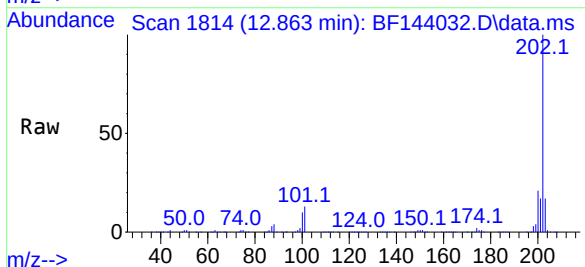
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

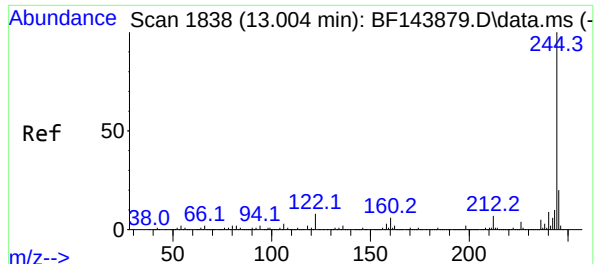
Tgt Ion:184 Resp: 196752
Ion Ratio Lower Upper
184 100
185 15.3 12.6 18.8
183 10.5 8.8 13.2



#78
Pyrene
Concen: 42.849 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:202 Resp: 631120
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 16.9 13.8 20.6





#79

Terphenyl-d14

Concen: 84.202 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

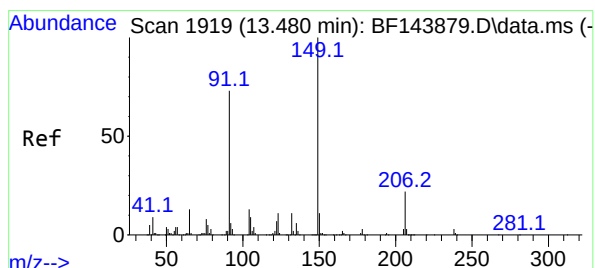
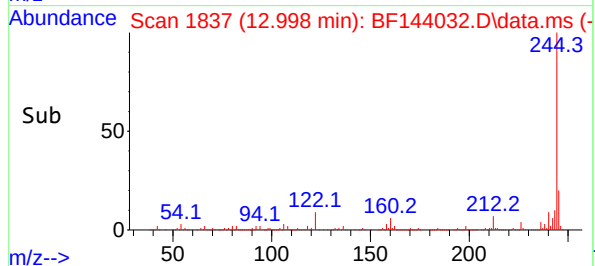
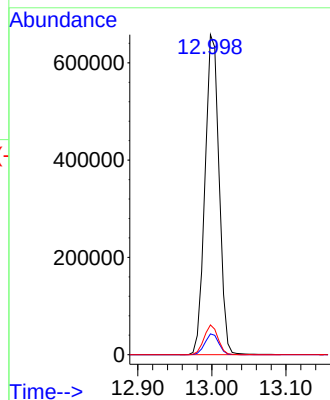
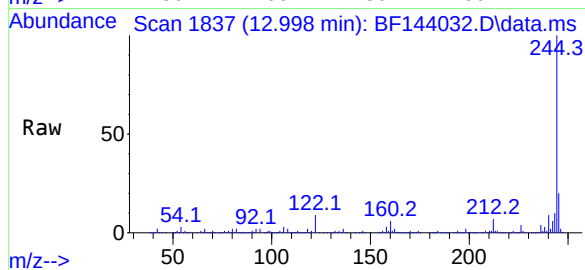
Tgt Ion:244 Resp: 870415

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.3 6.4 9.6



#80

Butylbenzylphthalate

Concen: 40.760 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

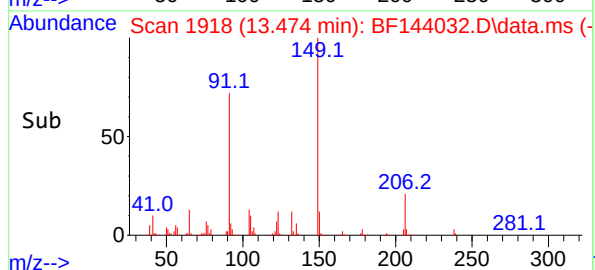
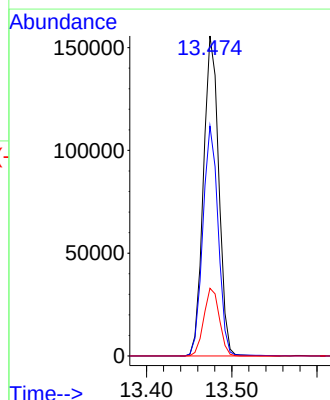
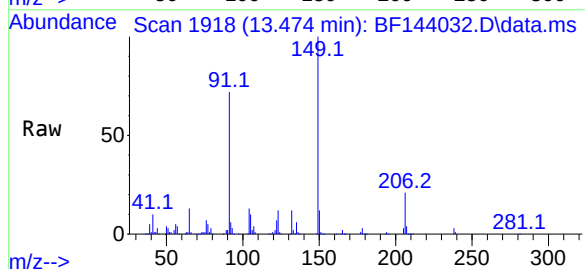
Tgt Ion:149 Resp: 194973

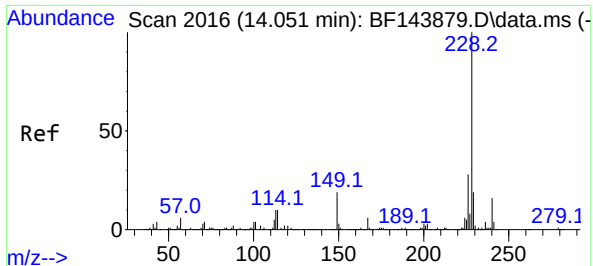
Ion Ratio Lower Upper

149 100

91 71.9 58.2 87.2

206 21.2 17.9 26.9





#81

Benzo(a)anthracene

Concen: 39.389 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

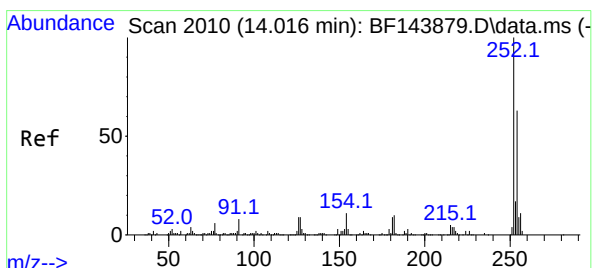
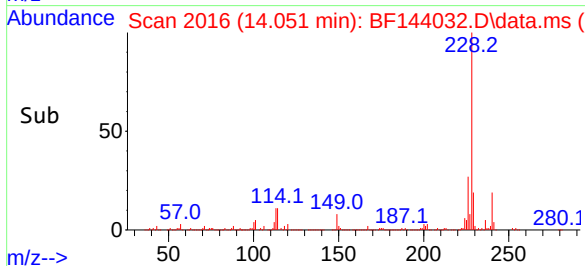
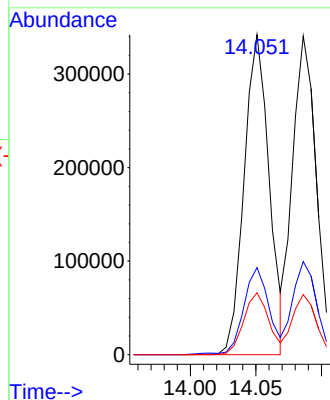
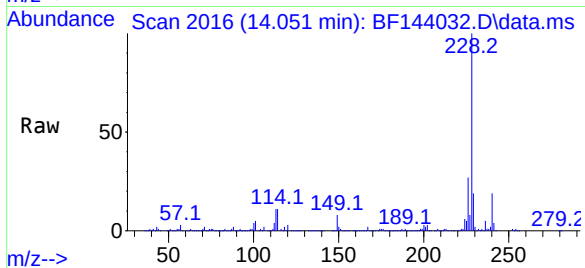
Tgt Ion:228 Resp: 455394

Ion Ratio Lower Upper

228 100

226 27.2 22.2 33.2

229 19.4 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 40.664 ng

RT: 14.016 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

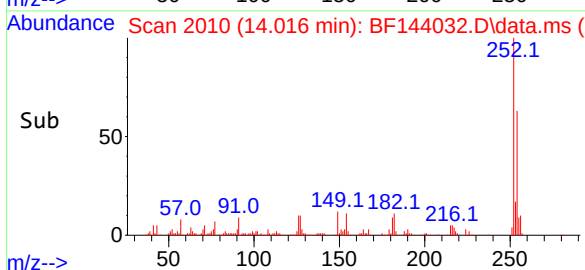
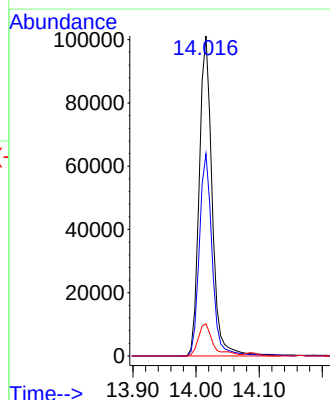
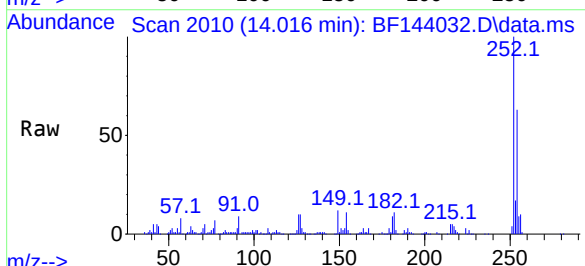
Tgt Ion:252 Resp: 143273

Ion Ratio Lower Upper

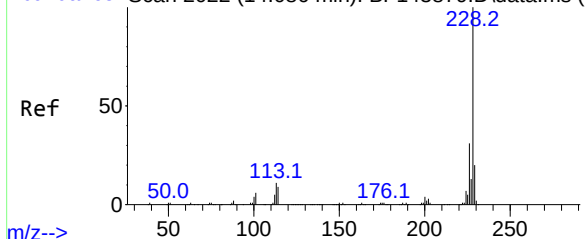
252 100

254 63.1 50.6 76.0

126 10.0 7.0 10.6



Abundance Scan 2022 (14.086 min): BF143879.D\data.ms (-



#83

Chrysene

Concen: 40.255 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 430745

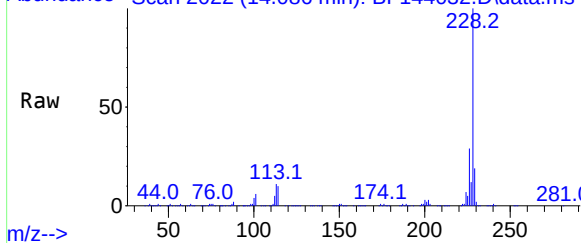
Ion Ratio Lower Upper

228 100

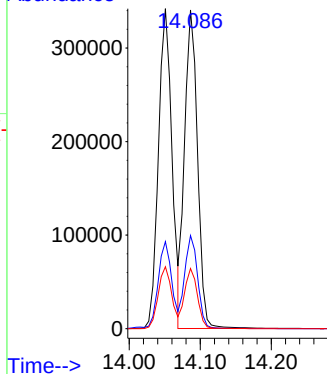
226 29.2 24.4 36.6

229 18.8 15.9 23.9

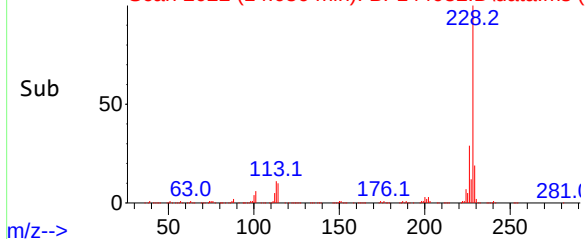
Abundance Scan 2022 (14.086 min): BF144032.D\data.ms



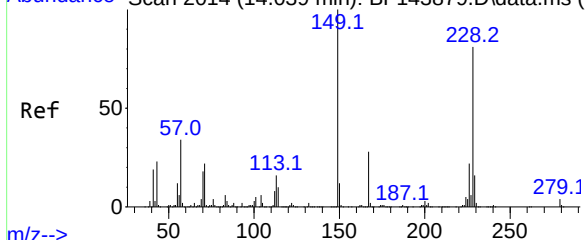
Abundance



Abundance Scan 2022 (14.086 min): BF144032.D\data.ms (-



Abundance Scan 2014 (14.039 min): BF143879.D\data.ms (-



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.810 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Tgt Ion:149 Resp: 241084

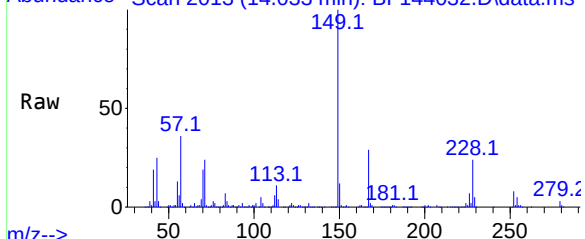
Ion Ratio Lower Upper

149 100

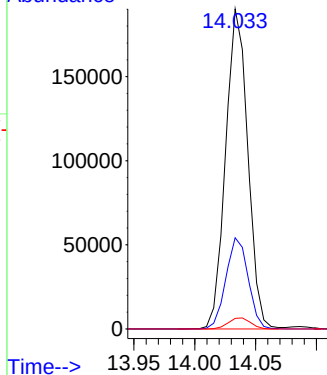
167 28.5 22.2 33.4

279 3.3 3.1 4.7

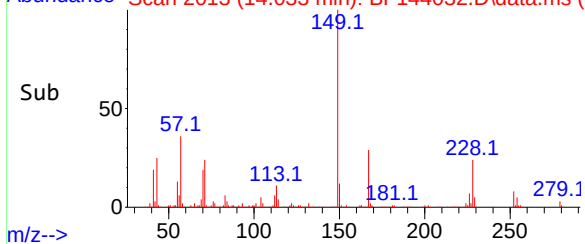
Abundance Scan 2013 (14.033 min): BF144032.D\data.ms

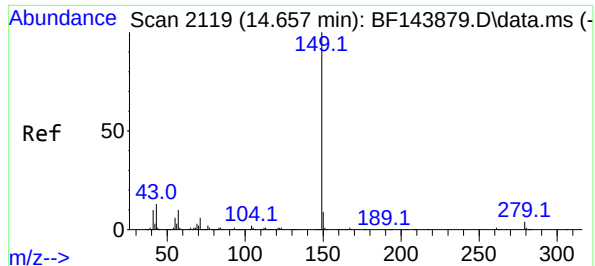


Abundance



Abundance Scan 2013 (14.033 min): BF144032.D\data.ms (-





#85

Di-n-octyl phthalate

Concen: 47.203 ng

RT: 14.651 min Scan# 2119

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

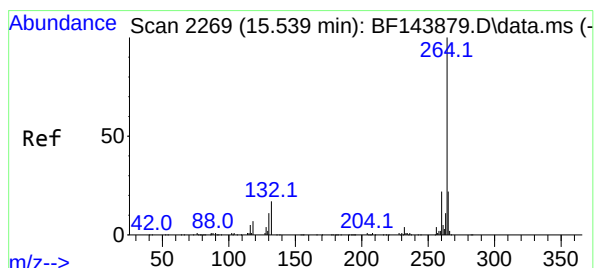
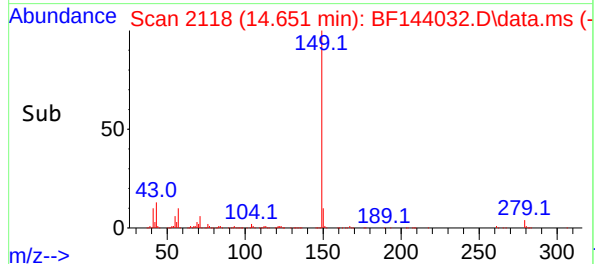
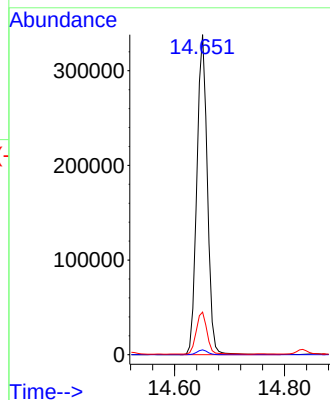
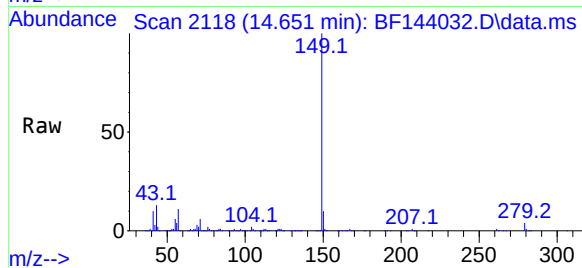
Tgt Ion:149 Resp: 447041

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 13.5 11.0 16.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

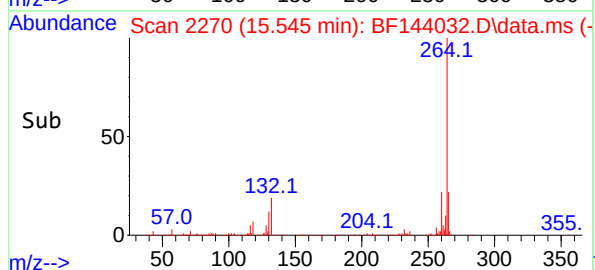
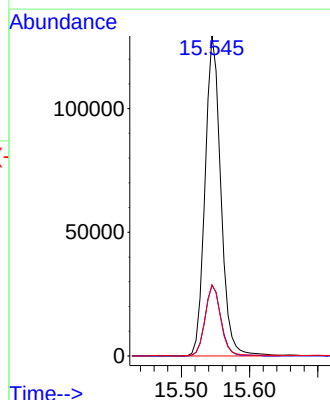
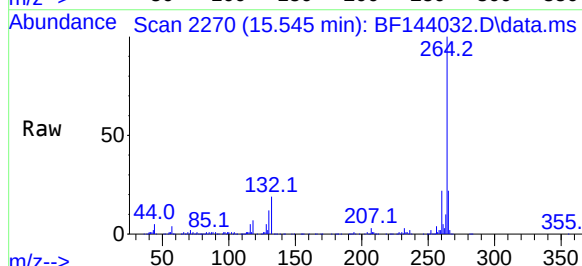
Tgt Ion:264 Resp: 208587

Ion Ratio Lower Upper

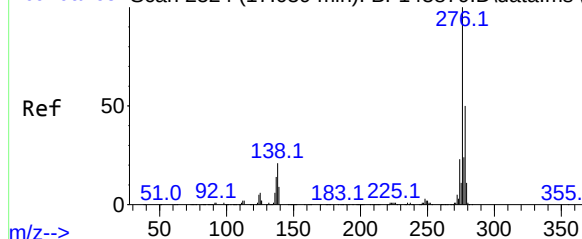
264 100

260 22.2 17.8 26.8

265 22.2 17.5 26.3



Abundance Scan 2524 (17.039 min): BF143879.D\data.ms (-



#87

Indeno(1,2,3-cd)pyrene

Concen: 47.654 ng

RT: 17.057 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 609064

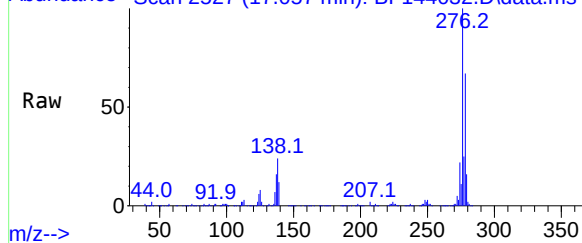
Ion Ratio Lower Upper

276 100

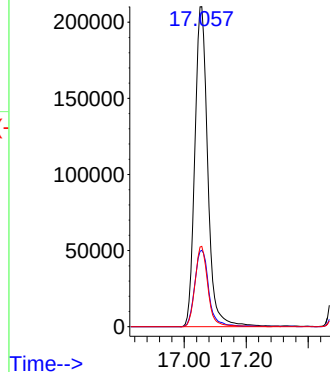
138 25.8 18.2 27.2

277 24.8 19.8 29.6

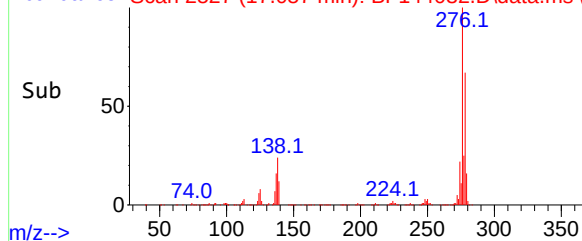
Abundance Scan 2527 (17.057 min): BF144032.D\data.ms



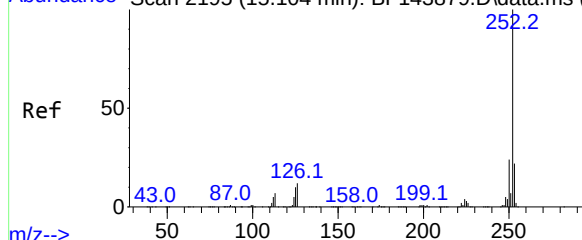
Abundance



Abundance Scan 2527 (17.057 min): BF144032.D\data.ms (-



Abundance Scan 2195 (15.104 min): BF143879.D\data.ms (-



#88

Benzo(b)fluoranthene

Concen: 34.144 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Tgt Ion:252 Resp: 409111

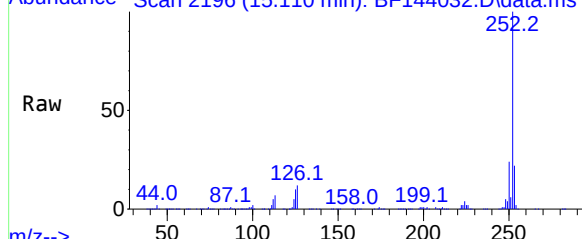
Ion Ratio Lower Upper

252 100

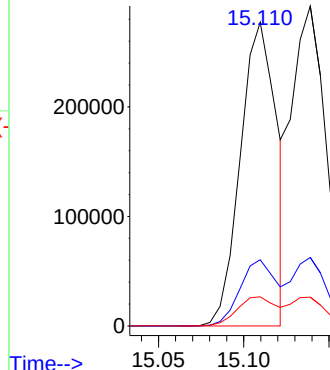
253 21.8 17.4 26.2

125 9.6 7.8 11.6

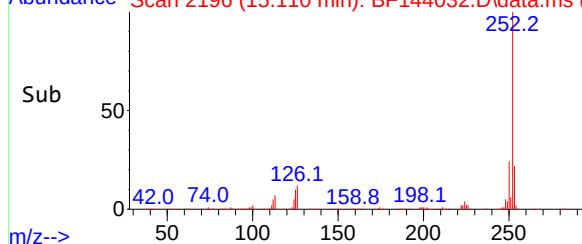
Abundance Scan 2196 (15.110 min): BF144032.D\data.ms

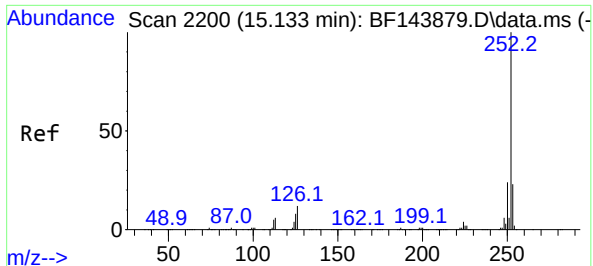


Abundance



Abundance Scan 2196 (15.110 min): BF144032.D\data.ms (-





#89

Benzo(k)fluoranthene

Concen: 37.571 ng

RT: 15.139 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

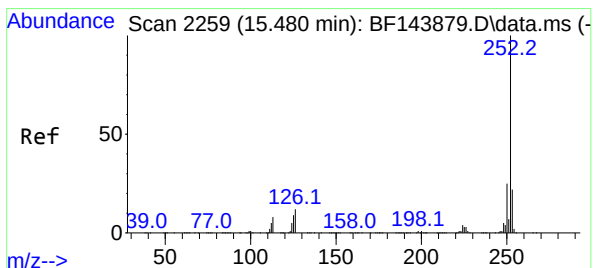
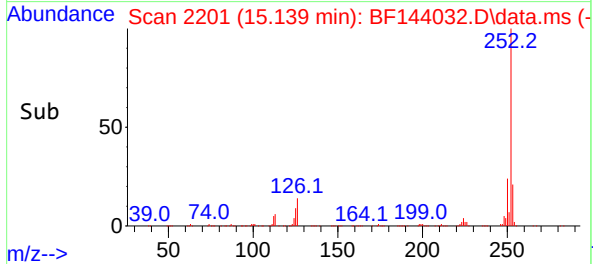
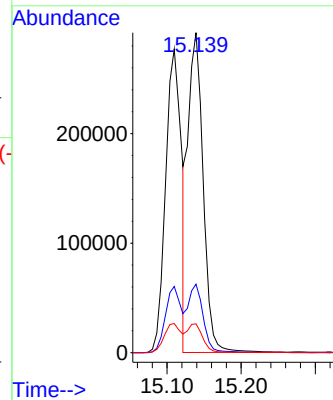
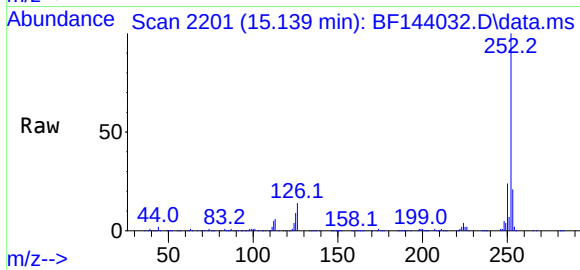
Tgt Ion:252 Resp: 416554

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 9.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 39.171 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

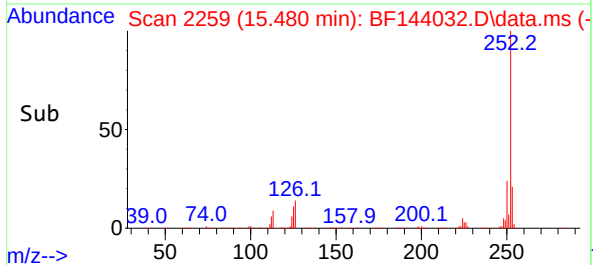
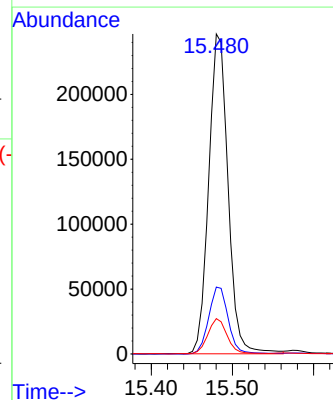
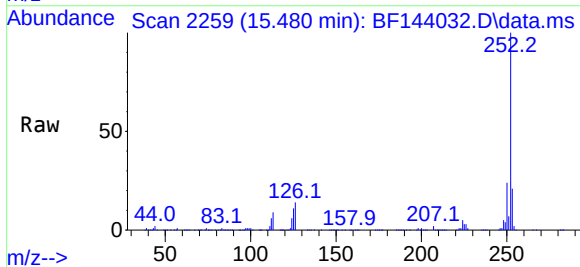
Tgt Ion:252 Resp: 406966

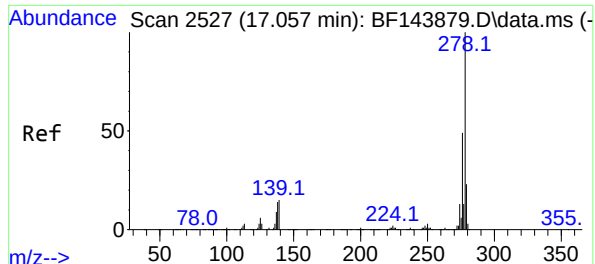
Ion Ratio Lower Upper

252 100

253 20.9 17.3 25.9

125 11.1 7.0 10.4#





#91

Dibenzo(a,h)anthracene

Concen: 47.870 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

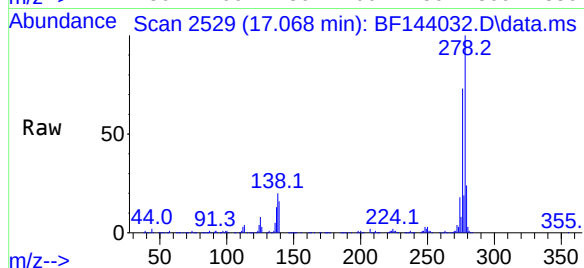
Tgt Ion:278 Resp: 492066

Ion Ratio Lower Upper

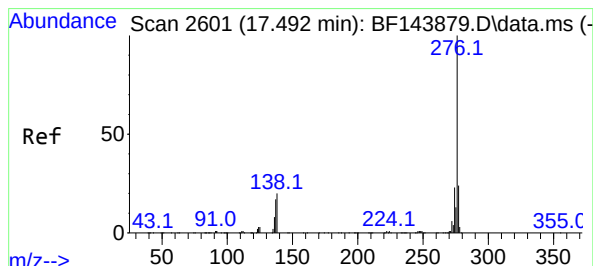
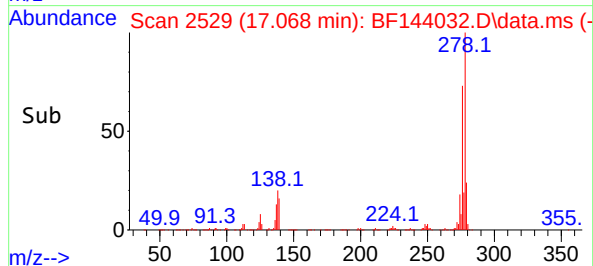
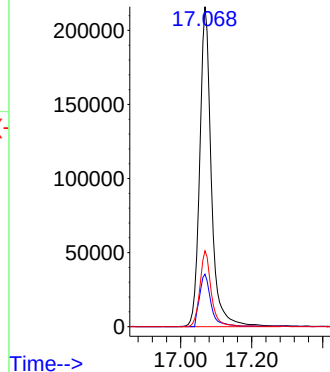
278 100

139 16.4 11.7 17.5

279 23.7 18.4 27.6



Abundance



#92

Benzo(g,h,i)perylene

Concen: 48.426 ng

RT: 17.509 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF144032.D

Acq: 22 Oct 2025 10:25

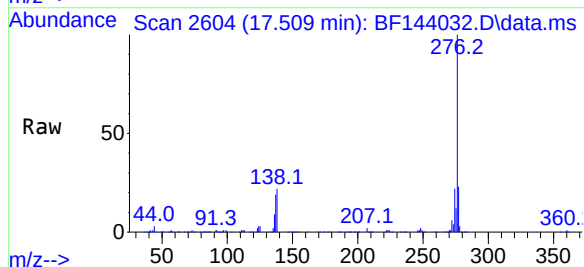
Tgt Ion:276 Resp: 497793

Ion Ratio Lower Upper

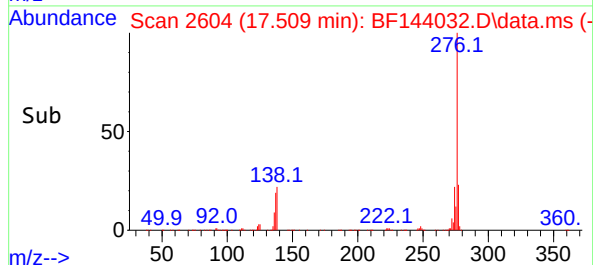
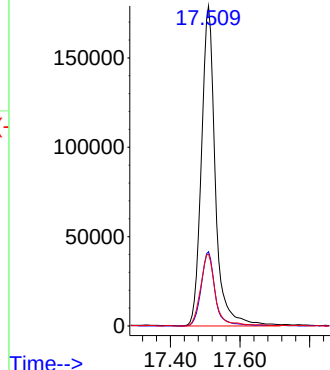
276 100

277 23.2 19.0 28.6

138 22.5 16.1 24.1



Abundance



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
2	1,4-Dioxane	0.583	0.579	0.7	87	-0.01
3	Pyridine	1.697	1.645	3.1	84	-0.01
4	n-Nitrosodimethylamine	0.893	0.819	8.3	82	-0.04
5 S	2-Fluorophenol	1.259	1.263	-0.3	88	0.00
6	Aniline	2.250	2.136	5.1	83	0.00
7 S	Phenol-d6	1.501	1.459	2.8	86	0.00
8	2-Chlorophenol	1.231	1.205	2.1	85	0.00
9	Benzaldehyde	1.158	1.176	-1.6	81	0.00
10 C	Phenol	1.795	1.838	-2.4	91	-0.01
11	bis(2-Chloroethyl)ether	1.386	1.342	3.2	84	-0.01
12	1,3-Dichlorobenzene	1.474	1.404	4.7	84	0.00
13 C	1,4-Dichlorobenzene	1.454	1.419	2.4	86	0.00
14	1,2-Dichlorobenzene	1.392	1.368	1.7	87	0.00
15	Benzyl Alcohol	1.125	1.073	4.6	83	-0.01
16	2,2'-oxybis(1-Chloropropane	3.156	3.068	2.8	86	0.00
17	2-Methylphenol	1.017	0.970	4.6	84	0.00
18	Hexachloroethane	0.485	0.469	3.3	85	0.00
19 P	n-Nitroso-di-n-propylamine	1.028	0.930	9.5	83	-0.02
20	3+4-Methylphenols	1.179	1.144	3.0	82	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22	Acetophenone	0.423	0.389	8.0	80	-0.01
23 S	Nitrobenzene-d5	0.329	0.331	-0.6	86	-0.01
24	Nitrobenzene	0.366	0.366	0.0	84	-0.01
25	Isophorone	0.694	0.630	9.2	80	-0.02
26 C	2-Nitrophenol	0.157	0.173	-10.2	89	0.00
27	2,4-Dimethylphenol	0.282	0.273	3.2	83	0.00
28	bis(2-Chloroethoxy)methane	0.438	0.417	4.8	84	-0.01
29 C	2,4-Dichlorophenol	0.294	0.284	3.4	82	0.00
30	1,2,4-Trichlorobenzene	0.289	0.275	4.8	82	0.00
31	Naphthalene	0.910	0.867	4.7	83	0.00
32	Benzoic acid	0.195	0.163	16.4	73	-0.04
33	4-Chloroaniline	0.341	0.317	7.0	80	0.00
34 C	Hexachlorobutadiene	0.201	0.185	8.0	80	0.00
35	Caprolactam	0.093	0.078	16.1	73	-0.05
36 C	4-Chloro-3-methylphenol	0.282	0.258	8.5	80	0.00
37	2-Methylnaphthalene	0.606	0.564	6.9	82	0.00
38	1-Methylnaphthalene	0.588	0.541	8.0	80	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	85	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.552	0.2	80	0.00
41 P	Hexachlorocyclopentadiene	0.229	0.198	13.5	65	0.00
42 S	2,4,6-Tribromophenol	0.199	0.170	14.6	70	0.00
43 C	2,4,6-Trichlorophenol	0.404	0.385	4.7	73	0.00
44	2,4,5-Trichlorophenol	0.427	0.416	2.6	78	0.00
45 S	2-Fluorobiphenyl	1.260	1.173	6.9	81	-0.01
46	1,1'-Biphenyl	1.324	1.285	2.9	79	0.00
47	2-Chloronaphthalene	1.104	1.102	0.2	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.349	0.359	-2.9	78	0.00
49	Acenaphthylene	1.552	1.488	4.1	78	0.00
50	Dimethylphthalate	1.270	1.174	7.6	77	0.00
51	2,6-Dinitrotoluene	0.236	0.245	-3.8	80	-0.01
52 C	Acenaphthene	1.017	0.988	2.9	80	0.00
53	3-Nitroaniline	0.288	0.288	0.0	80	-0.01
54 P	2,4-Dinitrophenol	0.118	0.150	-27.1#	107	0.00
55	Dibenzofuran	1.436	1.365	4.9	78	0.00
56 P	4-Nitrophenol	0.218	0.221	-1.4	80	0.00
57	2,4-Dinitrotoluene	0.320	0.327	-2.2	76	0.00
58	Fluorene	1.083	1.034	4.5	80	0.00
59	2,3,4,6-Tetrachlorophenol	0.302	0.272	9.9	71	0.00
60	Diethylphthalate	1.180	1.076	8.8	75	-0.01
61	4-Chlorophenyl-phenylether	0.573	0.537	6.3	76	0.00
62	4-Nitroaniline	0.277	0.251	9.4	73	-0.02
63	Azobenzene	1.233	1.157	6.2	77	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	78	0.00
65	4,6-Dinitro-2-methylphenol	0.101	0.105	-4.0	74	-0.01
66 c	n-Nitrosodiphenylamine	0.628	0.632	-0.6	75	-0.01
67	4-Bromophenyl-phenylether	0.221	0.208	5.9	71	0.00
68	Hexachlorobenzene	0.256	0.236	7.8	69	0.00
69	Atrazine	0.190	0.170	10.5	69	-0.01
70 C	Pentachlorophenol	0.147	0.133	9.5	66	0.00
71	Phenanthrene	0.970	0.937	3.4	75	0.00
72	Anthracene	0.980	0.950	3.1	73	0.00
73	Carbazole	0.868	0.813	6.3	72	0.00
74	Di-n-butylphthalate	1.005	0.932	7.3	69	0.00
75 C	Fluoranthene	1.002	0.880	12.2	67	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	69	0.00
77	Benzydine	0.694	0.557	19.7	51	0.00
78	Pyrene	1.667	1.786	-7.1	67	0.00
79 S	Terphenyl-d14	1.170	1.232	-5.3	67	-0.01
80	Butylbenzylphthalate	0.542	0.552	-1.8	62	0.00
81	Benzo(a)anthracene	1.309	1.289	1.5	64	0.00
82	3,3'-Dichlorobenzidine	0.399	0.405	-1.5	64	0.00
83	Chrysene	1.211	1.219	-0.7	65	0.00
84	Bis(2-ethylhexyl)phthalate	0.653	0.682	-4.4	64	0.00
85 c	Di-n-octyl phthalate	1.072	1.265	-18.0	74	0.00
86 I	Perylene-d12	1.000	1.000	0.0	83	0.00
87	Indeno(1,2,3-cd)pyrene	1.225	1.460	-19.2	87	0.00
88	Benzo(b)fluoranthene	1.149	0.981	14.6	64	0.00
89	Benzo(k)fluoranthene	1.063	0.999	6.0	75	0.00
90 C	Benzo(a)pyrene	0.996	0.976	2.0	74	0.00
91	Dibenzo(a,h)anthracene	0.986	1.180	-19.7	87	-0.01
92	Benzo(g,h,i)perylene	0.986	1.193	-21.0	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	91	0.00
2	1,4-Dioxane	40.000	39.771	0.6	87	-0.01
3	Pyridine	40.000	38.793	3.0	84	-0.01
4	n-Nitrosodimethylamine	40.000	36.698	8.3	82	-0.04
5 S	2-Fluorophenol	80.000	80.225	-0.3	88	0.00
6	Aniline	40.000	37.979	5.1	83	0.00
7 S	Phenol-d6	80.000	77.752	2.8	86	0.00
8	2-Chlorophenol	40.000	39.162	2.1	85	0.00
9	Benzaldehyde	40.000	40.630	-1.6	81	0.00
10 C	Phenol	40.000	40.961	-2.4	91	-0.01
11	bis(2-Chloroethyl)ether	40.000	38.721	3.2	84	-0.01
12	1,3-Dichlorobenzene	40.000	38.108	4.7	84	0.00
13 C	1,4-Dichlorobenzene	40.000	39.051	2.4	86	0.00
14	1,2-Dichlorobenzene	40.000	39.302	1.7	87	0.00
15	Benzyl Alcohol	40.000	38.164	4.6	83	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	38.888	2.8	86	0.00
17	2-Methylphenol	40.000	38.143	4.6	84	0.00
18	Hexachloroethane	40.000	38.681	3.3	85	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.214	9.5	83	-0.02
20	3+4-Methylphenols	40.000	38.820	2.9	82	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22	Acetophenone	40.000	36.806	8.0	80	-0.01
23 S	Nitrobenzene-d5	80.000	80.513	-0.6	86	-0.01
24	Nitrobenzene	40.000	40.091	-0.2	84	-0.01
25	Isophorone	40.000	36.283	9.3	80	-0.02
26 C	2-Nitrophenol	40.000	44.102	-10.3	89	0.00
27	2,4-Dimethylphenol	40.000	38.775	3.1	83	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.064	4.8	84	-0.01
29 C	2,4-Dichlorophenol	40.000	38.622	3.4	82	0.00
30	1,2,4-Trichlorobenzene	40.000	38.111	4.7	82	0.00
31	Naphthalene	40.000	38.125	4.7	83	0.00
32	Benzoic acid	40.000	33.454	16.4	73	-0.04
33	4-Chloroaniline	40.000	37.121	7.2	80	0.00
34 C	Hexachlorobutadiene	40.000	36.820	7.9	80	0.00
35	Caprolactam	40.000	33.592	16.0	73	-0.05
36 C	4-Chloro-3-methylphenol	40.000	36.599	8.5	80	0.00
37	2-Methylnaphthalene	40.000	37.215	7.0	82	0.00
38	1-Methylnaphthalene	40.000	36.835	7.9	80	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	85	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.935	0.2	80	0.00
41 P	Hexachlorocyclopentadiene	40.000	34.519	13.7	65	0.00
42 S	2,4,6-Tribromophenol	80.000	68.447	14.4	70	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.088	4.8	73	0.00
44	2,4,5-Trichlorophenol	40.000	38.983	2.5	78	0.00
45 S	2-Fluorobiphenyl	80.000	74.454	6.9	81	-0.01
46	1,1'-Biphenyl	40.000	38.813	3.0	79	0.00
47	2-Chloronaphthalene	40.000	39.918	0.2	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.110	-2.8	78	0.00
49	Acenaphthylene	40.000	38.355	4.1	78	0.00
50	Dimethylphthalate	40.000	36.978	7.6	77	0.00
51	2,6-Dinitrotoluene	40.000	41.669	-4.2	80	-0.01
52 C	Acenaphthene	40.000	38.850	2.9	80	0.00
53	3-Nitroaniline	40.000	39.926	0.2	80	-0.01
54 P	2,4-Dinitrophenol	40.000	44.671	-11.7	107	0.00
55	Dibenzofuran	40.000	38.039	4.9	78	0.00
56 P	4-Nitrophenol	40.000	40.532	-1.3	80	0.00
57	2,4-Dinitrotoluene	40.000	40.776	-1.9	76	0.00
58	Fluorene	40.000	38.186	4.5	80	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	35.983	10.0	71	0.00
60	Diethylphthalate	40.000	36.475	8.8	75	-0.01
61	4-Chlorophenyl-phenylether	40.000	37.479	6.3	76	0.00
62	4-Nitroaniline	40.000	36.275	9.3	73	-0.02
63	Azobenzene	40.000	37.526	6.2	77	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	78	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.812	-4.5	74	-0.01
66 c	n-Nitrosodiphenylamine	40.000	40.263	-0.7	75	-0.01
67	4-Bromophenyl-phenylether	40.000	37.679	5.8	71	0.00
68	Hexachlorobenzene	40.000	36.926	7.7	69	0.00
69	Atrazine	40.000	35.821	10.4	69	-0.01
70 C	Pentachlorophenol	40.000	36.128	9.7	66	0.00
71	Phenanthrene	40.000	38.651	3.4	75	0.00
72	Anthracene	40.000	38.807	3.0	73	0.00
73	Carbazole	40.000	37.489	6.3	72	0.00
74	Di-n-butylphthalate	40.000	37.085	7.3	69	0.00
75 C	Fluoranthene	40.000	35.129	12.2	67	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	69	0.00
77	Benzydine	40.000	32.073	19.8	51	0.00
78	Pyrene	40.000	42.849	-7.1	67	0.00
79 S	Terphenyl-d14	80.000	84.202	-5.3	67	-0.01
80	Butylbenzylphthalate	40.000	40.760	-1.9	62	0.00
81	Benzo(a)anthracene	40.000	39.389	1.5	64	0.00
82	3,3'-Dichlorobenzidine	40.000	40.664	-1.7	64	0.00
83	Chrysene	40.000	40.255	-0.6	65	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.810	-4.5	64	0.00
85 c	Di-n-octyl phthalate	40.000	47.203	-18.0	74	0.00
86 I	Perylene-d12	20.000	20.000	0.0	83	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	47.654	-19.1	87	0.00
88	Benzo(b)fluoranthene	40.000	34.144	14.6	64	0.00
89	Benzo(k)fluoranthene	40.000	37.571	6.1	75	0.00
90 C	Benzo(a)pyrene	40.000	39.171	2.1	74	0.00
91	Dibenzo(a,h)anthracene	40.000	47.870	-19.7	87	-0.01
92	Benzo(g,h,i)perylene	40.000	48.426	-21.1	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



QC SAMPLE DATA

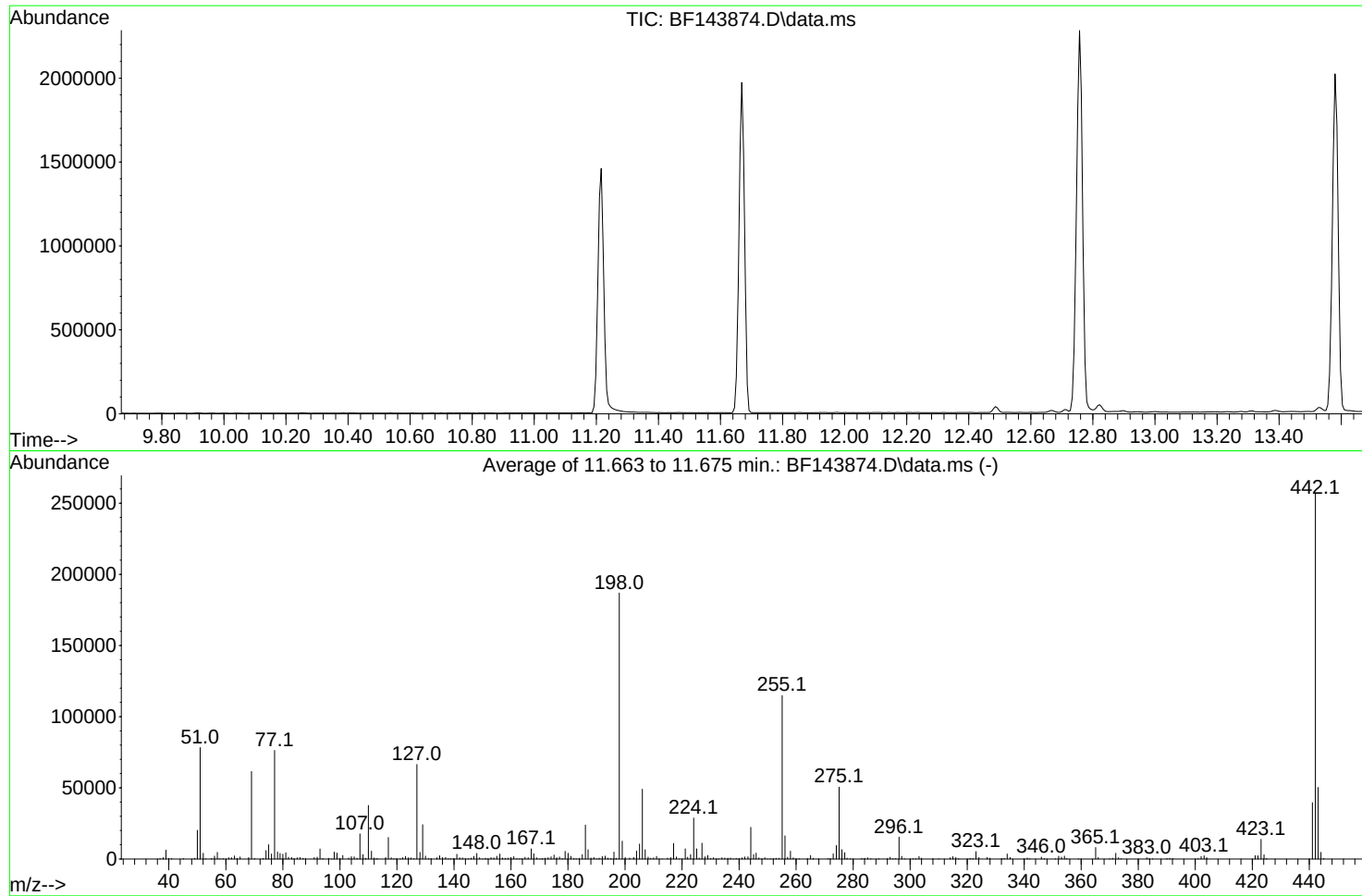
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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



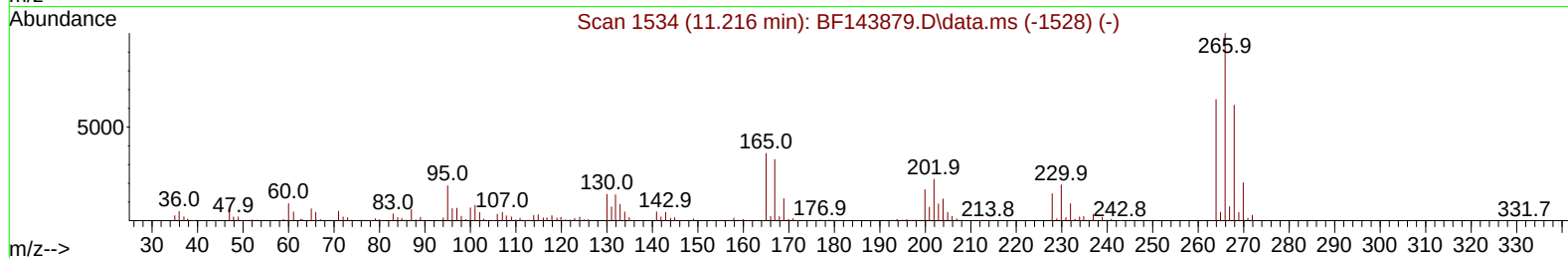
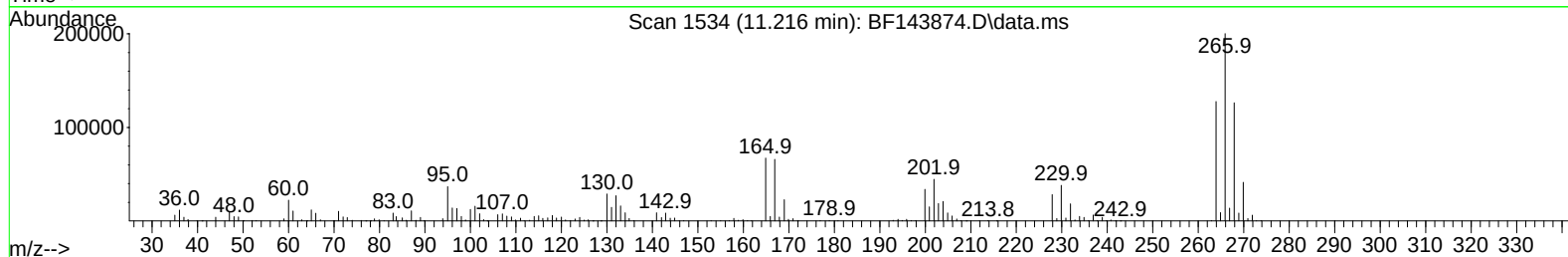
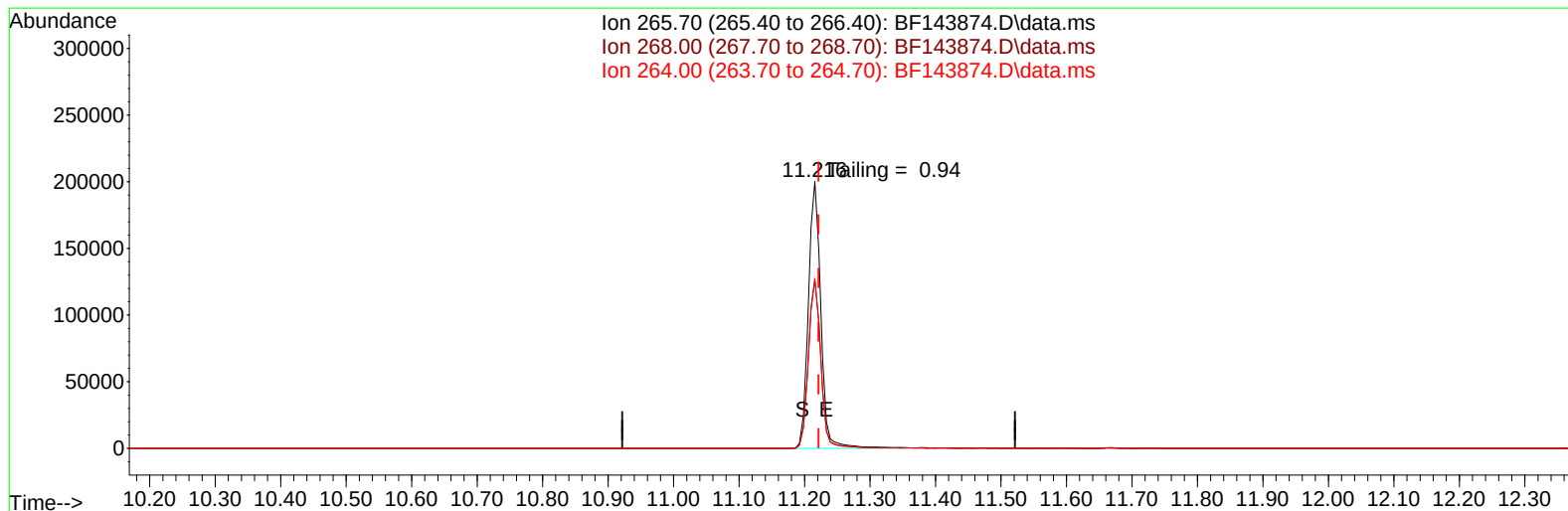
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.6	971	PASS
69	69	100	100	100.0	61475	PASS
70	69	0.00	2	0.4	240	PASS
197	198	0.00	2	0.3	472	PASS
198	198	100	100	100.0	186859	PASS
199	198	5	9	6.7	12573	PASS
365	198	1	100	4.3	8075	PASS
441	443	0.01	150	78.8	39600	PASS
442	442	100	100	100.0	256555	PASS
443	442	15	24	19.6	50245	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 06 15:36:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



TIC: BF143874.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 36564.81 ng

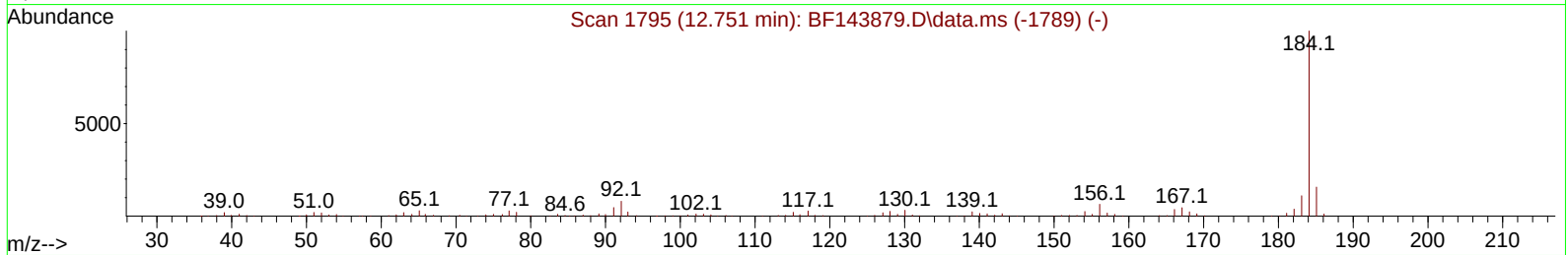
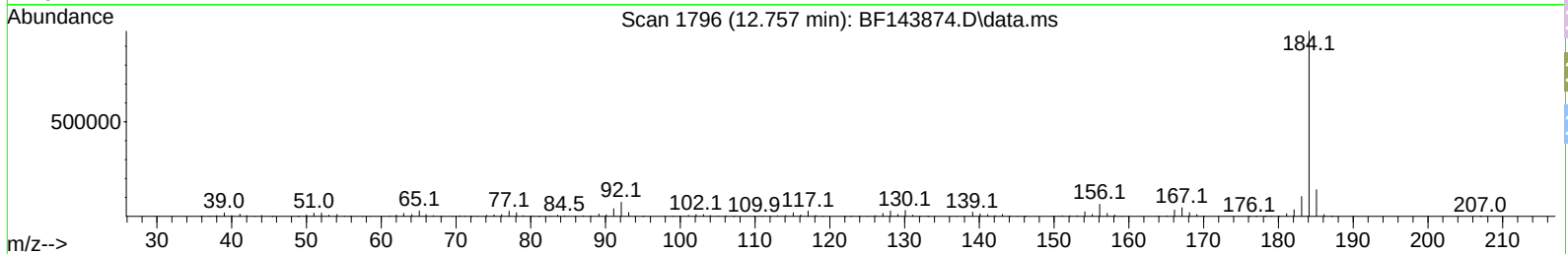
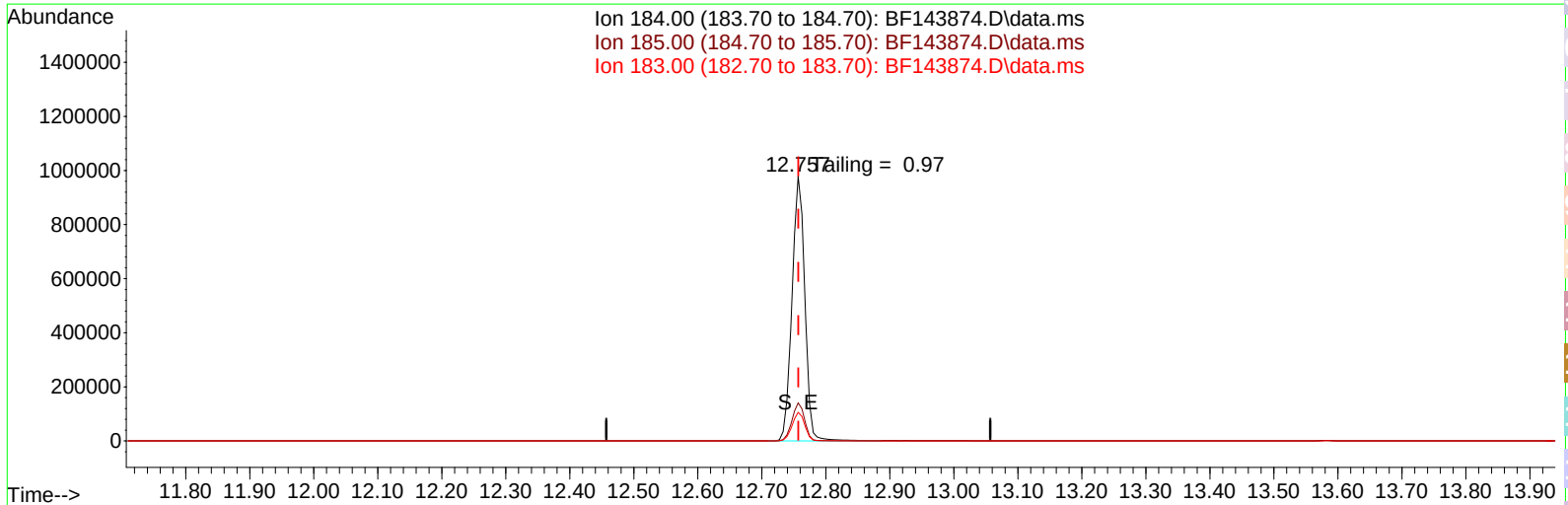
response 265194

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	63.10
264.00	64.70	63.76
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 06 15:36:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



TIC: BF143874.D\data.ms

(77) Benzidine

12.757min (-0.000) 0.00 ng

response 1371993

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.38
183.00	11.00	10.78
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

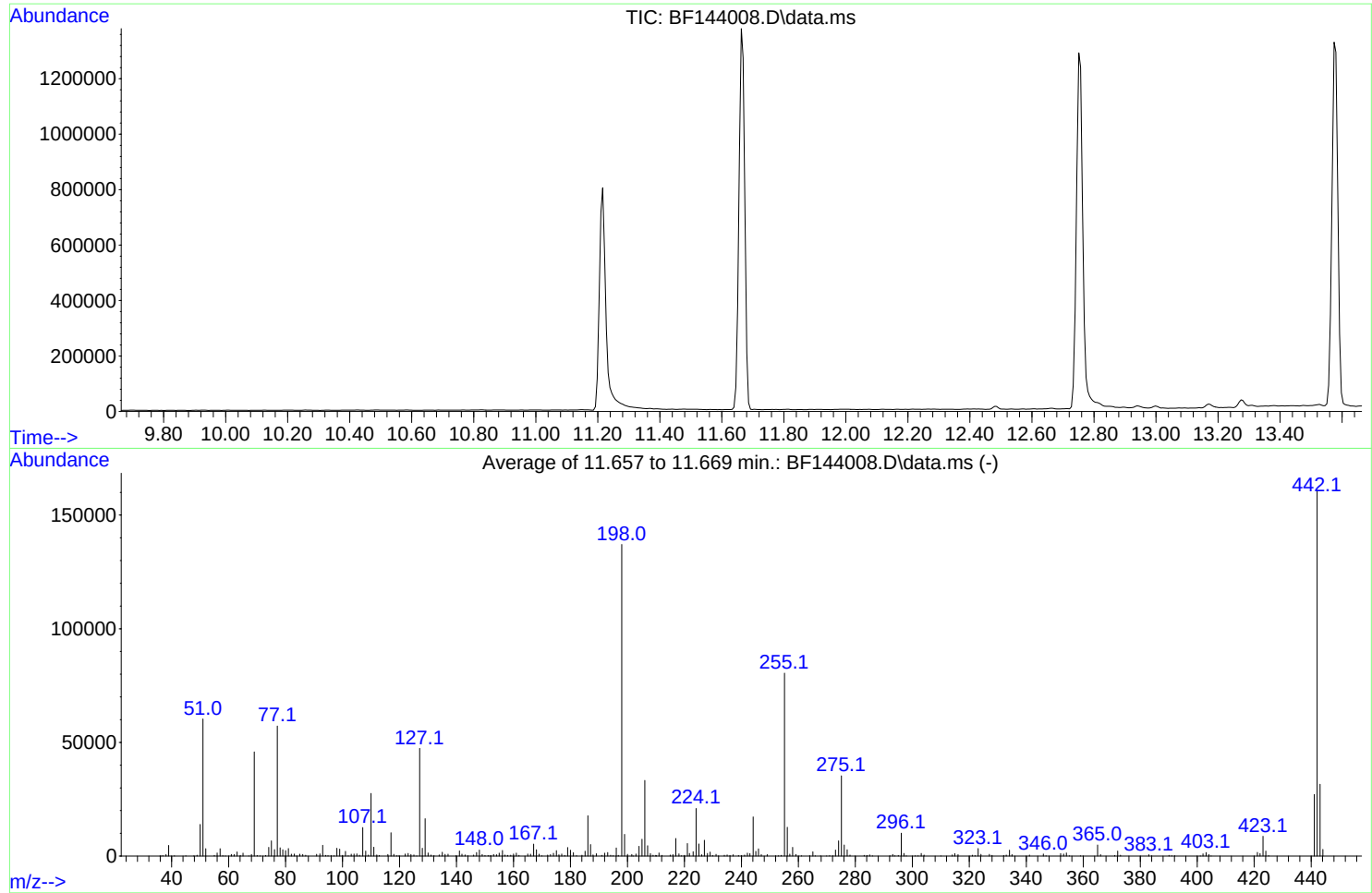
Date	Instrument Name	DFTPP Data File
10/6/2025	BNA_F	<u>BF143874.D</u>
Compound Name	Response	Retention Time
DDT	503395	13.58
DDD	4048	13.31
DDE	763	12.945
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
4811	508206	0.95

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144008.D
Acq On : 21 Oct 2025 12:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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



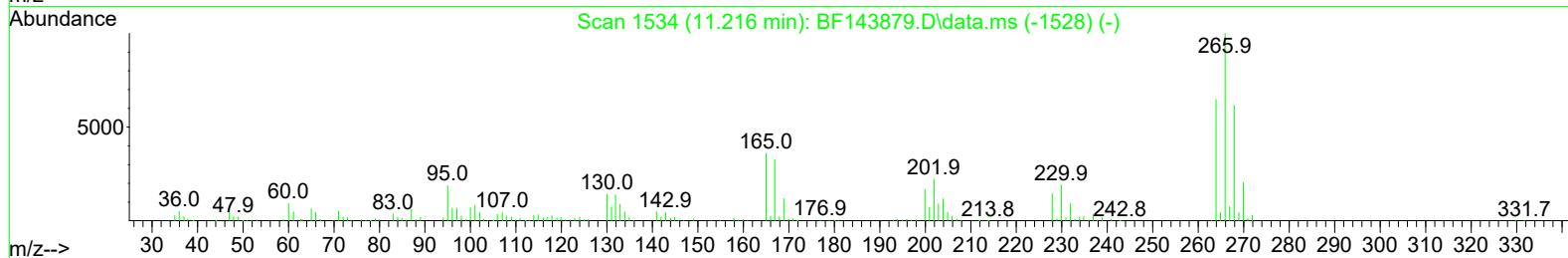
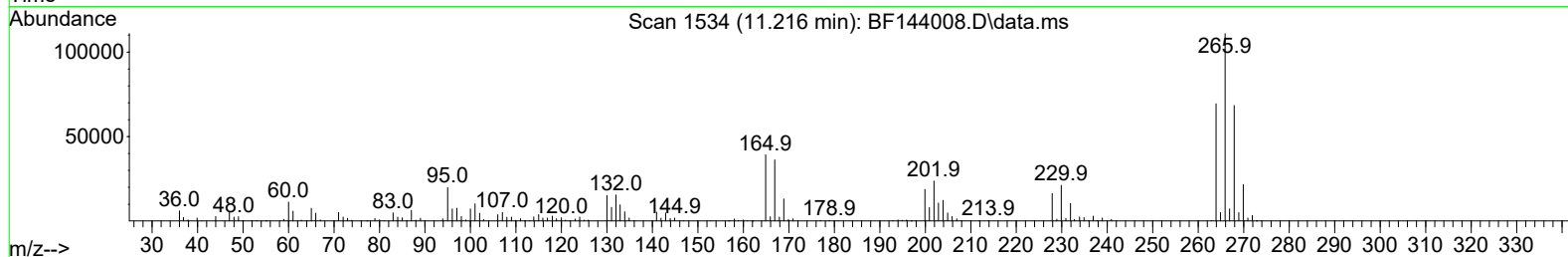
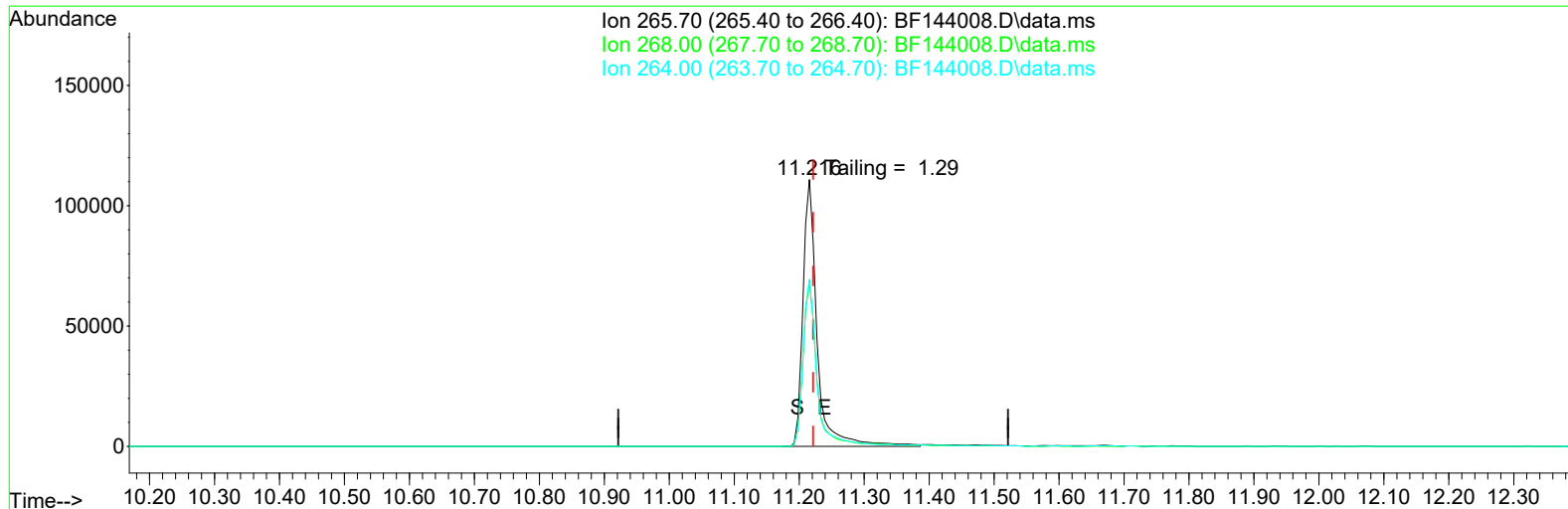
AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.6	715	PASS
69	69	100	100	100.0	45819	PASS
70	69	0.00	2	0.5	248	PASS
197	198	0.00	2	0.2	322	PASS
198	198	100	100	100.0	137115	PASS
199	198	5	9	7.0	9565	PASS
365	198	1	100	3.6	4896	PASS
441	443	0.01	150	85.7	27087	PASS
442	442	100	100	100.0	160408	PASS
443	442	15	24	19.7	31611	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144008.D
Acq On : 21 Oct 2025 12:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 21 13:56:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



TIC: BF144008.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 31834.77 ng

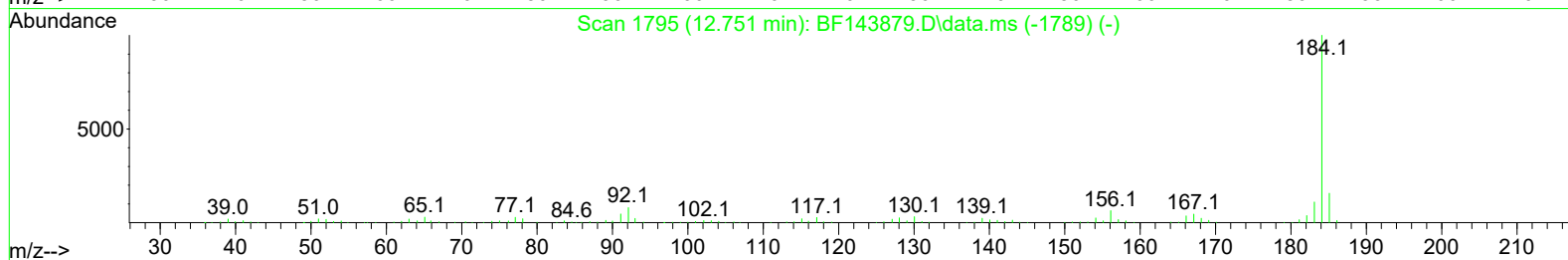
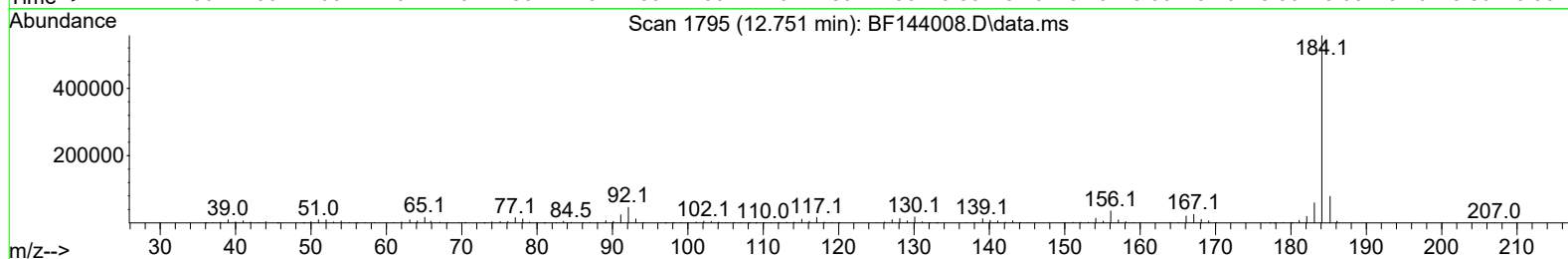
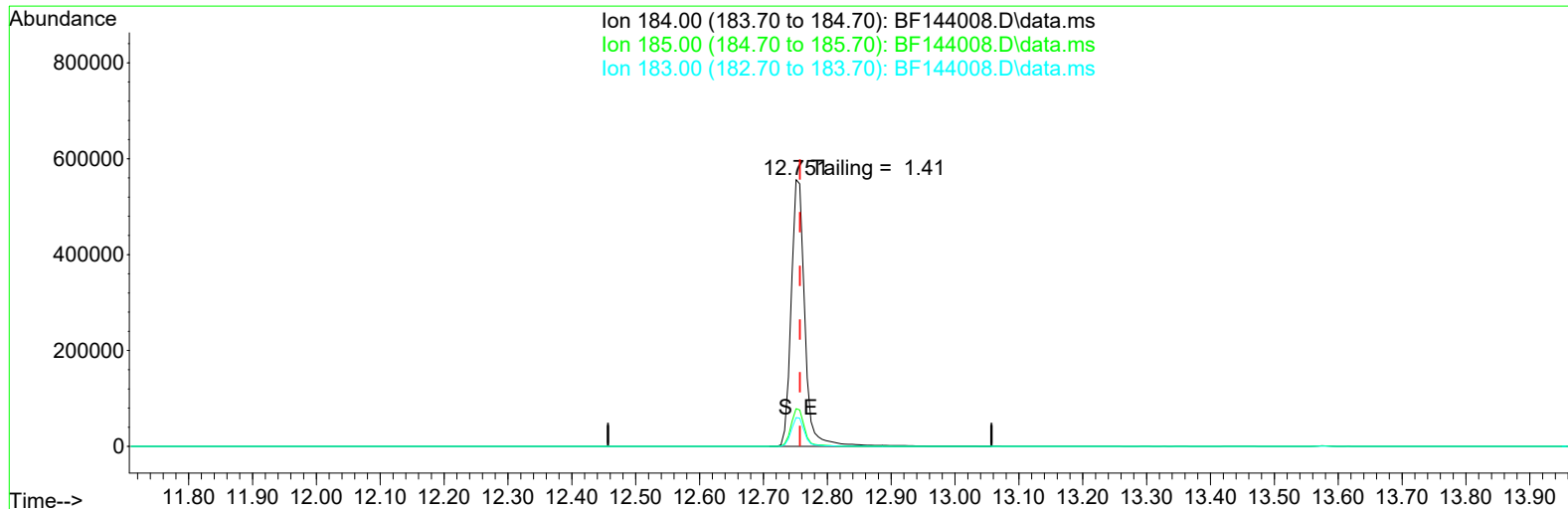
response 169131

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	61.71
264.00	64.70	62.61
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144008.D
Acq On : 21 Oct 2025 12:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 21 13:56:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



TIC: BF144008.D\data.ms

(77) Benzidine

12.751min (-0.006) 0.00 ng

response 827233

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.17
183.00	11.00	10.79
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

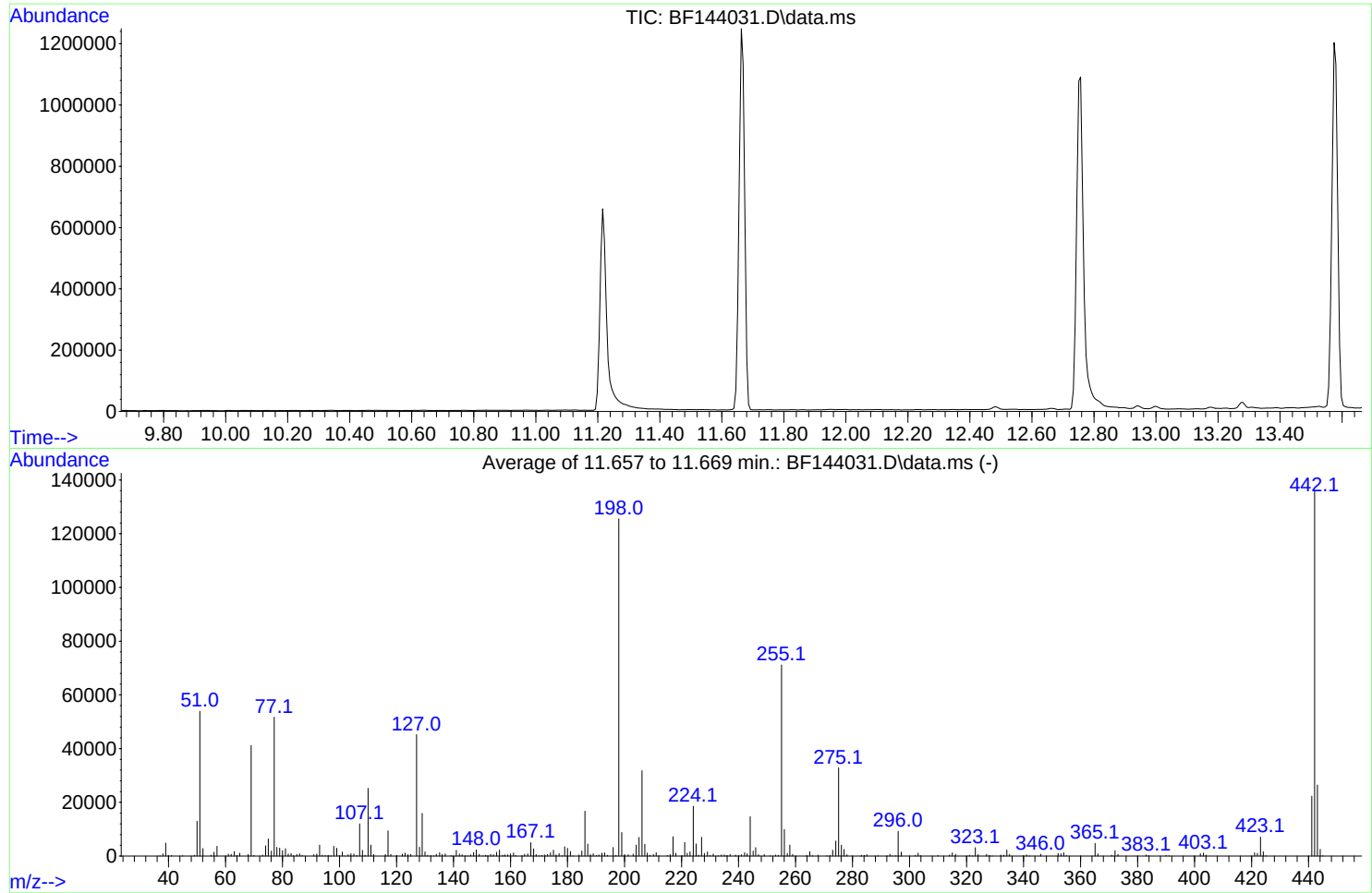
Date	Instrument Name	DFTPP Data File
10/21/2025	BNA_F	<u>BF144008.D</u>
Compound Name	Response	Retention Time
DDT	371363	13.58
DDD	9829	13.274
DDE	2408	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12237	383600	3.19

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144031.D
Acq On : 22 Oct 2025 09:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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



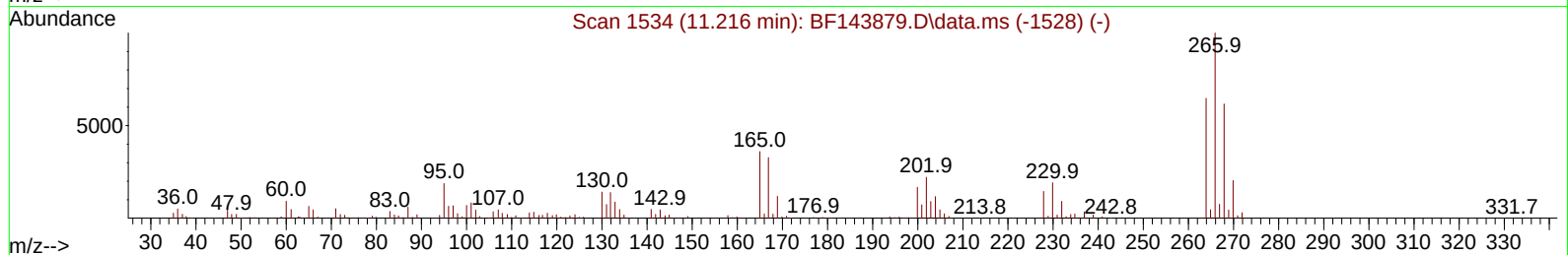
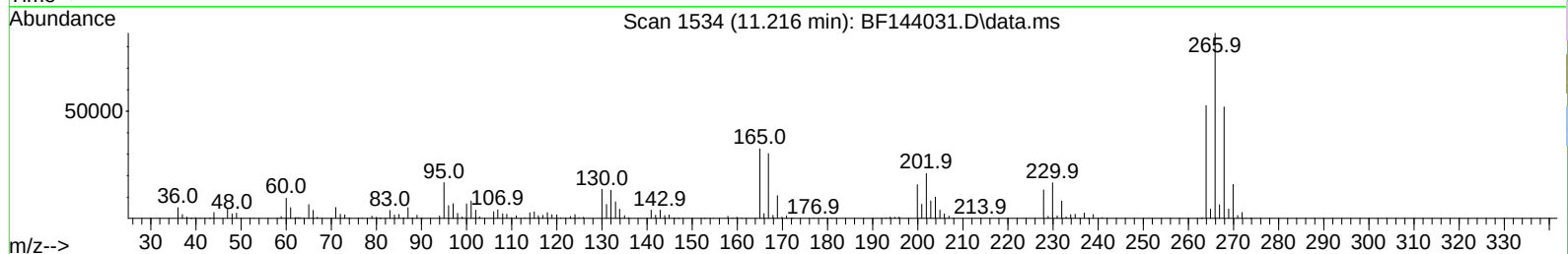
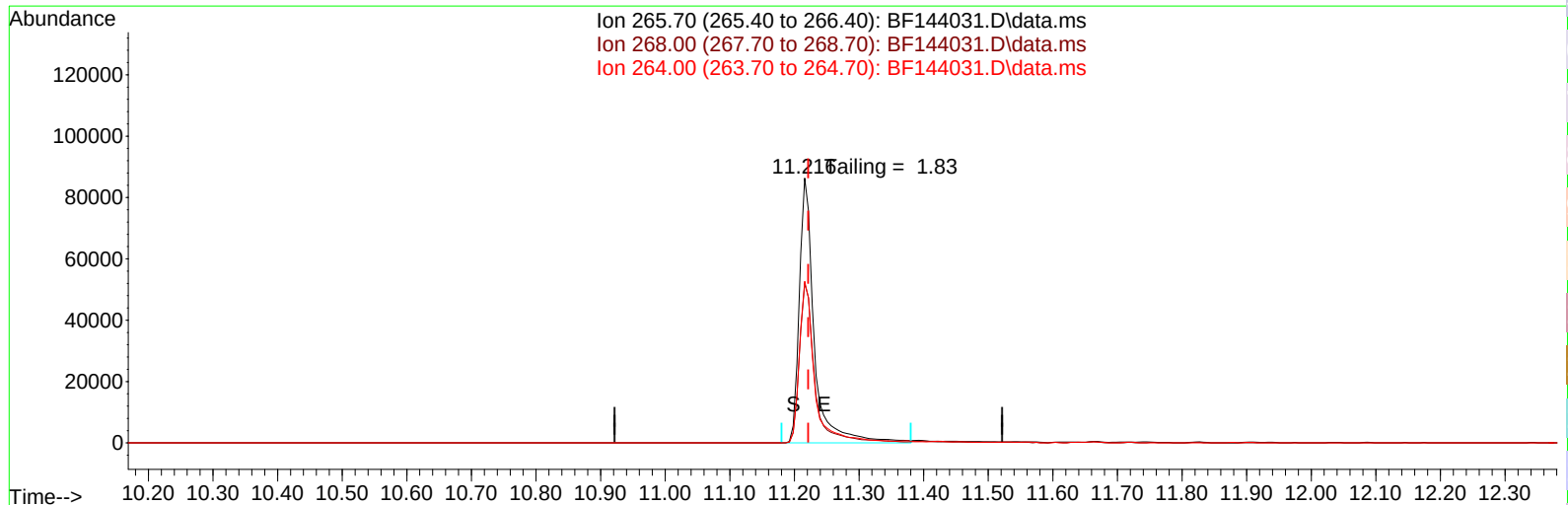
AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.5	610	PASS
69	69	100	100	100.0	41155	PASS
70	69	0.00	2	0.6	235	PASS
197	198	0.00	2	0.2	273	PASS
198	198	100	100	100.0	125584	PASS
199	198	5	9	7.0	8799	PASS
365	198	1	100	3.8	4712	PASS
441	443	0.01	150	84.6	22367	PASS
442	442	100	100	100.0	135728	PASS
443	442	15	24	19.5	26434	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144031.D
Acq On : 22 Oct 2025 09:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 22 12:25:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



TIC: BF144031.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 25307.30 ng

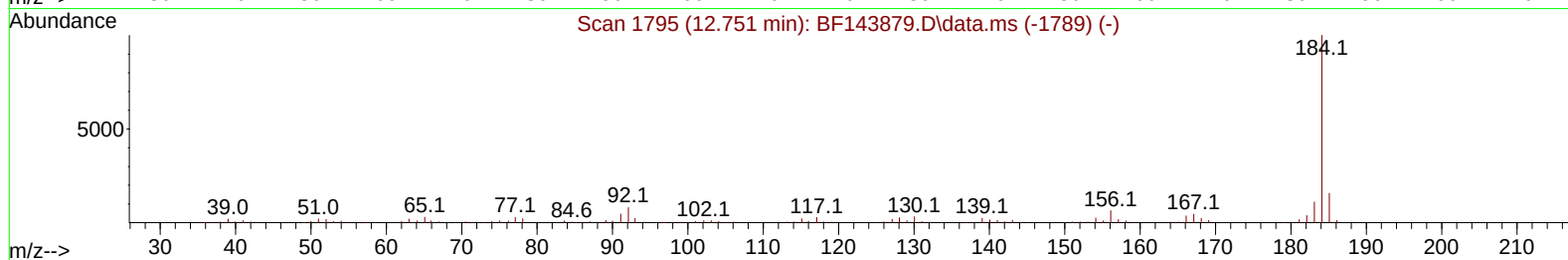
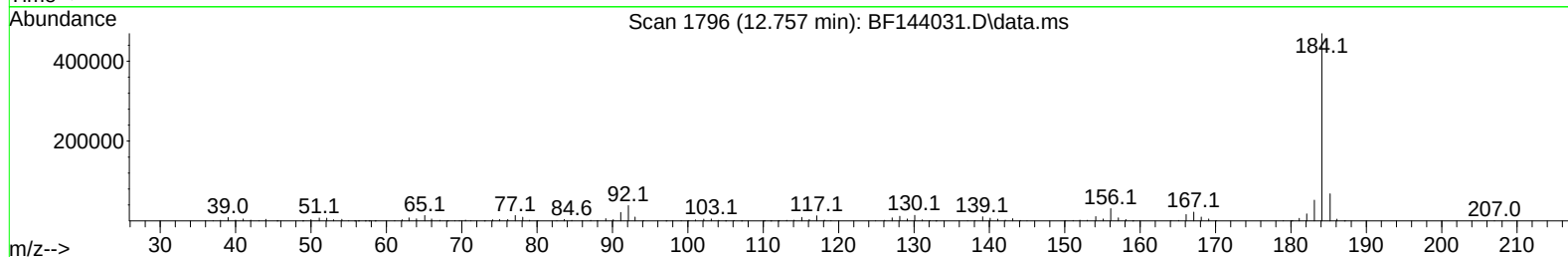
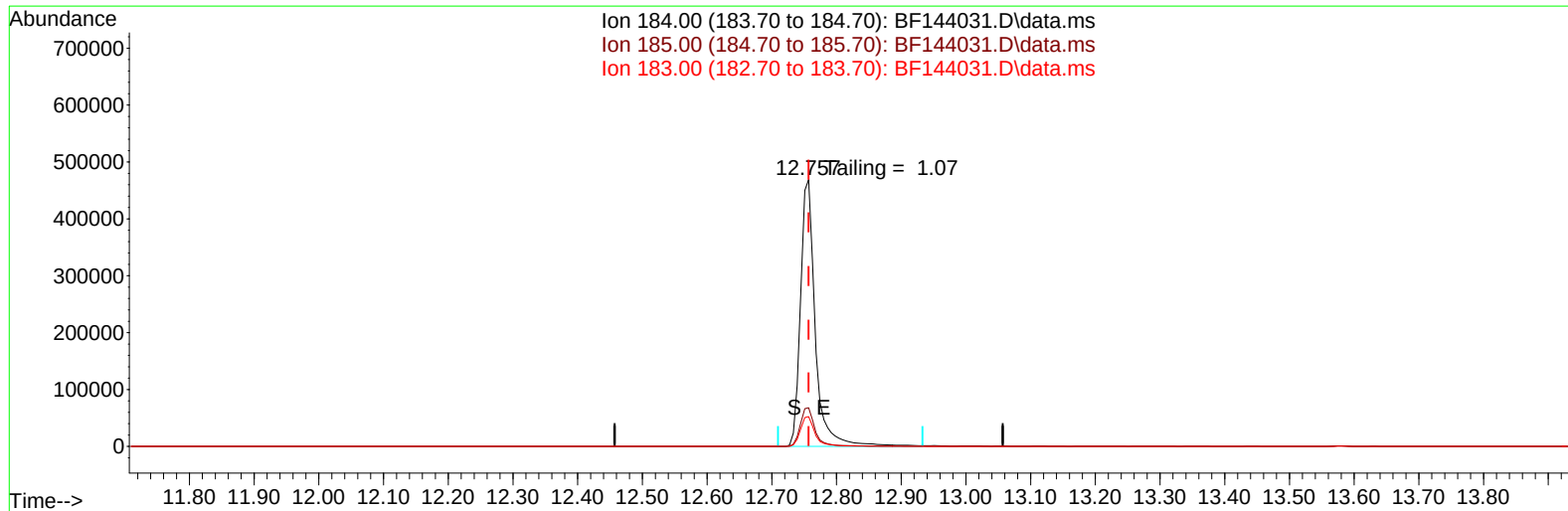
response 139659

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	60.26
264.00	64.70	61.03
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144031.D
Acq On : 22 Oct 2025 09:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 22 12:25:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



TIC: BF144031.D\data.ms

(77) Benzidine

12.757min (-0.000) 0.00 ng

response 749496

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.47
183.00	11.00	11.14
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/22/2025	BNA_F	<u>BF144031.D</u>
Compound Name	Response	Retention Time
DDT	316043	13.574
DDD	8713	13.28
DDE	2730	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
11443	327486	3.49

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PB170180BL
 Lab Sample ID: PB170180BL
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.02 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/21/25

Date Collected:
 Date Received:
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 100
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	330	U	1	160	330	ug/Kg	10/22/25 10:54	PB170180
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/22/25 10:54	PB170180
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/22/25 10:54	PB170180
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/22/25 10:54	PB170180
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/22/25 10:54	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/22/25 10:54	PB170180
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/22/25 10:54	PB170180
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/22/25 10:54	PB170180
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	1	47.4	79.9	ug/Kg	10/22/25 10:54	PB170180
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/22/25 10:54	PB170180
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/22/25 10:54	PB170180
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/22/25 10:54	PB170180
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/22/25 10:54	PB170180
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/22/25 10:54	PB170180
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/22/25 10:54	PB170180
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/22/25 10:54	PB170180
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/22/25 10:54	PB170180
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/22/25 10:54	PB170180
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/22/25 10:54	PB170180
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/22/25 10:54	PB170180
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/22/25 10:54	PB170180
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/22/25 10:54	PB170180
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/22/25 10:54	PB170180
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/22/25 10:54	PB170180
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/22/25 10:54	PB170180
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/22/25 10:54	PB170180
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/22/25 10:54	PB170180
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/22/25 10:54	PB170180
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/22/25 10:54	PB170180
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/22/25 10:54	PB170180
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/22/25 10:54	PB170180
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/22/25 10:54	PB170180
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/22/25 10:54	PB170180
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/22/25 10:54	PB170180
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/22/25 10:54	PB170180
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/22/25 10:54	PB170180
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/22/25 10:54	PB170180
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/22/25 10:54	PB170180
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/22/25 10:54	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/22/25 10:54	PB170180

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PB170180BL
 Lab Sample ID: PB170180BL
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.02 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/21/2015

Date Collected:
 Date Received:
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 100
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	170	U	1	32.9	170	ug/Kg	10/22/25 10:54	PB170180
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/22/25 10:54	PB170180
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/22/25 10:54	PB170180
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/22/25 10:54	PB170180
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/22/25 10:54	PB170180
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/22/25 10:54	PB170180
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/22/25 10:54	PB170180
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/22/25 10:54	PB170180
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/22/25 10:54	PB170180
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/22/25 10:54	PB170180
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/22/25 10:54	PB170180
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/22/25 10:54	PB170180
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/22/25 10:54	PB170180
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/22/25 10:54	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/22/25 10:54	PB170180
117-84-0	Di-n-octyl phthalate	330	U	1	86.7	330	ug/Kg	10/22/25 10:54	PB170180
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/22/25 10:54	PB170180
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/22/25 10:54	PB170180
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/22/25 10:54	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/22/25 10:54	PB170180
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/22/25 10:54	PB170180
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/22/25 10:54	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/22/25 10:54	PB170180
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/22/25 10:54	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/22/25 10:54	PB170180

SURROGATES

367-12-4	2-Fluorophenol	130		18 - 112	86%	SPK: 150
13127-88-3	Phenol-d6	128		15 - 107	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.5		18 - 107	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.5		20 - 109	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		10 - 116	91%	SPK: 150
1718-51-0	Terphenyl-d14	102		10 - 105	102%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	133000
1146-65-2	Naphthalene-d8	516000
15067-26-2	Acenaphthene-d10	278000
1517-22-2	Phenanthrene-d10	478000
1719-03-5	Chrysene-d12	256000
1520-96-3	Perylene-d12	255000

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170180BL		SDG No.:	Q3393
Lab Sample ID:	PB170180BL		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144033.D
Acq On : 22 Oct 2025 10:54
Operator : RC/JU
Sample : PB170180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Quant Time: Oct 22 12:19:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	133448	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	515654	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	278111	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	477973	20.000	ng	0.00
76) Chrysene-d12	14.063	240	255711	20.000	ng	0.00
86) Perylene-d12	15.551	264	254526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1090224	129.733	ng	0.01
7) Phenol-d6	6.510	99	1280999	127.886	ng	0.00
23) Nitrobenzene-d5	7.445	82	827633	97.512	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	376350	135.864	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1515939	86.491	ng	-0.01
79) Terphenyl-d14	13.004	244	1526595	102.032	ng	0.00

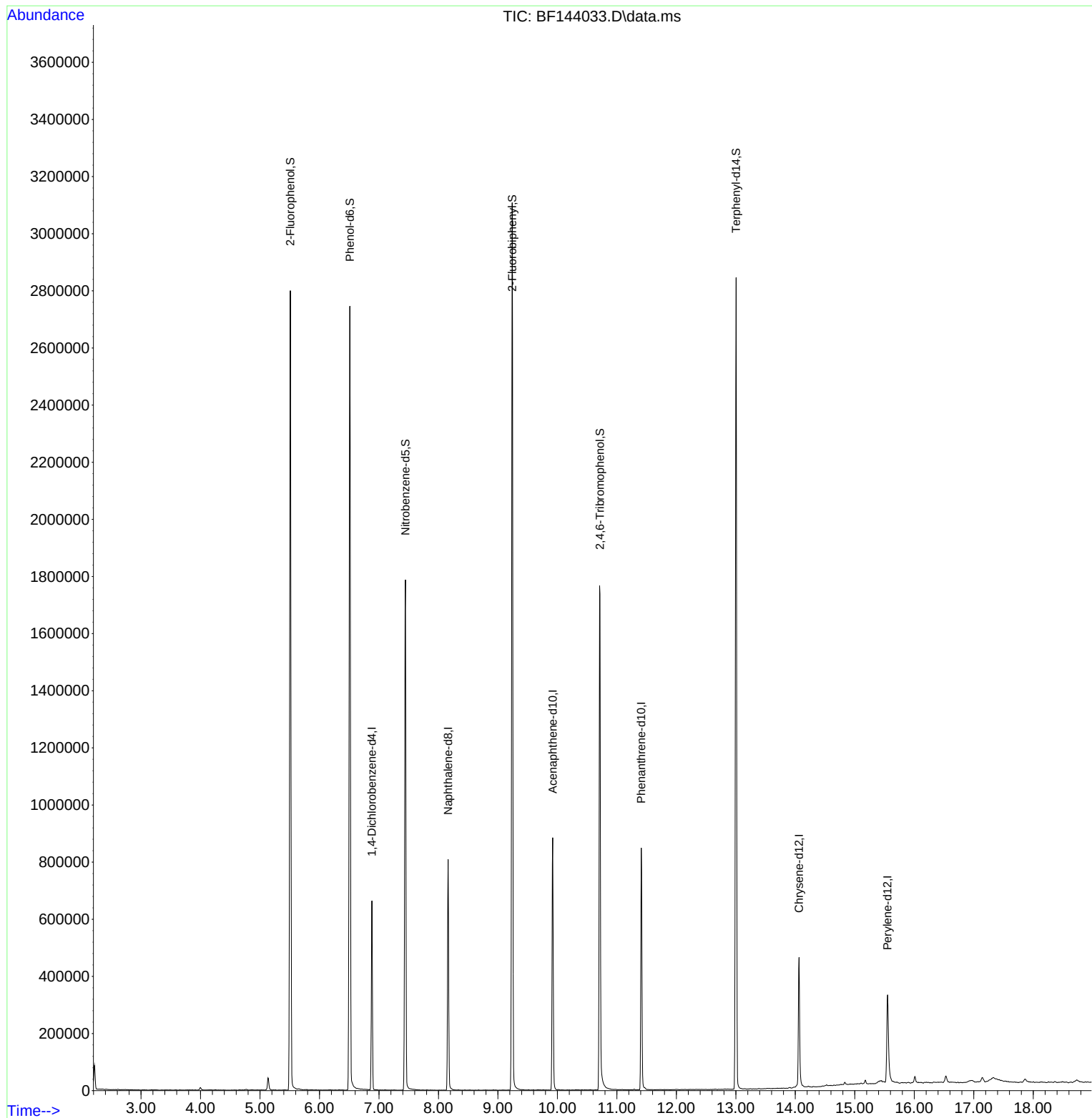
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144033.D
Acq On : 22 Oct 2025 10:54
Operator : RC/JU
Sample : PB170180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Quant Time: Oct 22 12:19:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



Abundance Scan 797 (6.881 min): BF143879.D\data.ms (-79

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.881 min Scan# 79

Delta R.T. -0.005 min

Lab File: BF144033.D

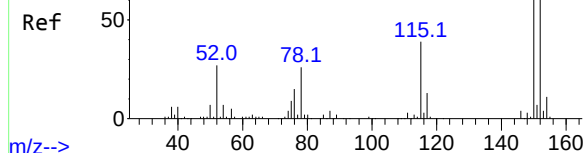
Acq: 22 Oct 2025 10:54

Instrument :

BNA_F

ClientSampleId :

PB170180BL



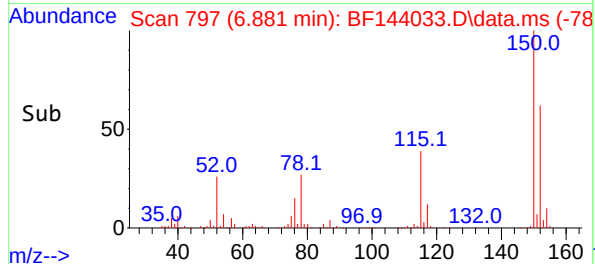
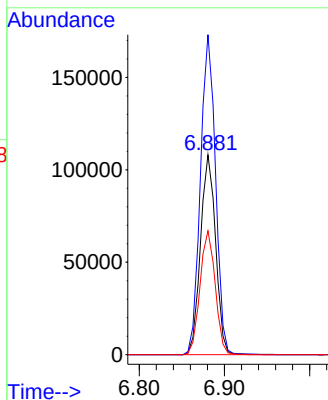
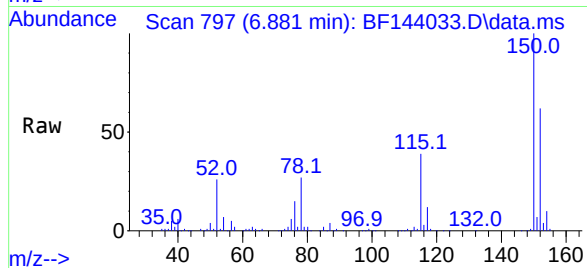
Tgt Ion:152 Resp: 133448

Ion Ratio Lower Upper

152 100

150 160.1 124.4 186.6

115 62.0 48.1 72.1



Abundance Scan 561 (5.493 min): BF143879.D\data.ms (-55

#5

2-Fluorophenol

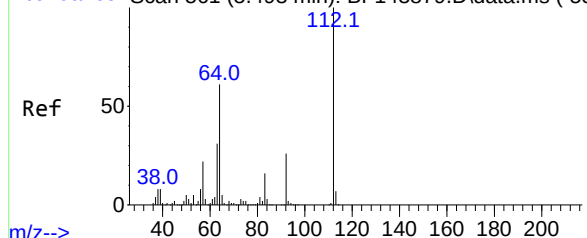
Concen: 129.733 ng

RT: 5.510 min Scan# 564

Delta R.T. 0.012 min

Lab File: BF144033.D

Acq: 22 Oct 2025 10:54



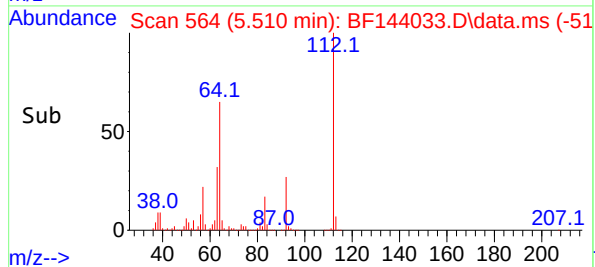
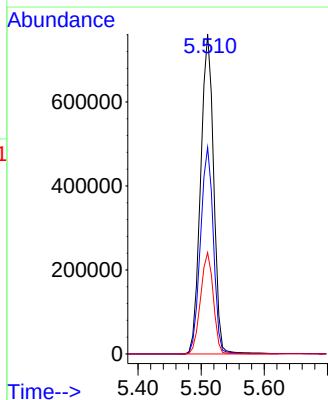
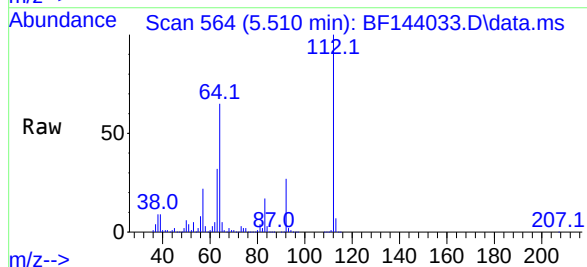
Tgt Ion:112 Resp: 1090224

Ion Ratio Lower Upper

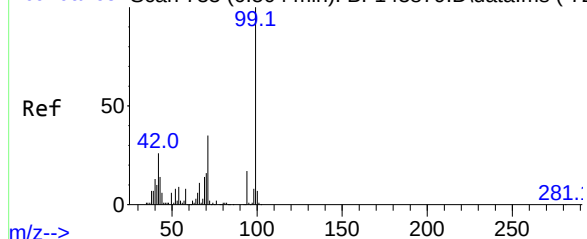
112 100

64 64.6 49.1 73.7

63 31.6 24.5 36.7



Abundance Scan 733 (6.504 min): BF143879.D\data.ms (-72



#7

Phenol-d6

Concen: 127.886 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144033.D

Acq: 22 Oct 2025 10:54

Instrument :

BNA_F

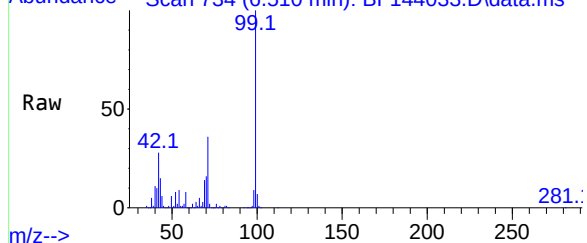
ClientSampleId :

PB170180BL

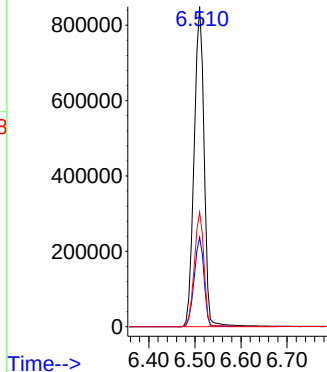
Tgt Ion: 99 Resp: 1280999

Ion	Ratio	Lower	Upper
99	100		
42	27.9	21.0	31.4
71	35.8	27.8	41.8

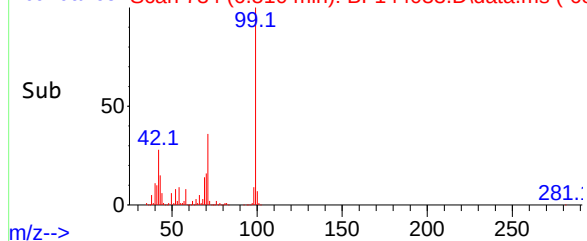
Abundance Scan 734 (6.510 min): BF144033.D\data.ms



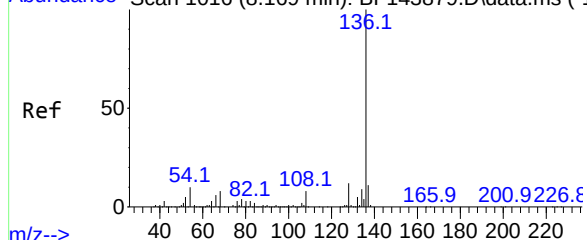
Abundance



Abundance Scan 734 (6.510 min): BF144033.D\data.ms (-68



Abundance Scan 1016 (8.169 min): BF143879.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1015

Delta R.T. -0.006 min

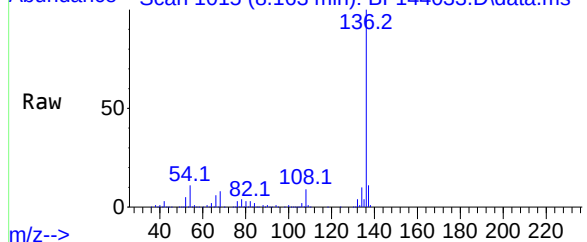
Lab File: BF144033.D

Acq: 22 Oct 2025 10:54

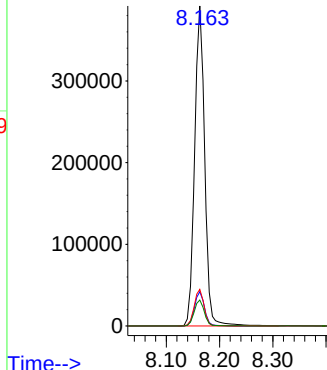
Tgt Ion: 136 Resp: 515654

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	11.5	8.2	12.4
68	8.1	6.2	9.4

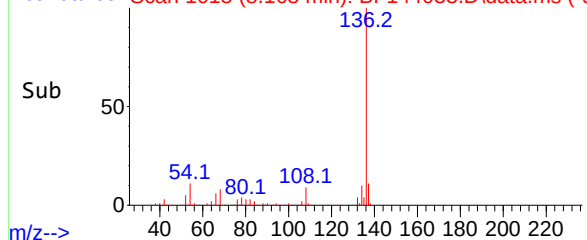
Abundance Scan 1015 (8.163 min): BF144033.D\data.ms



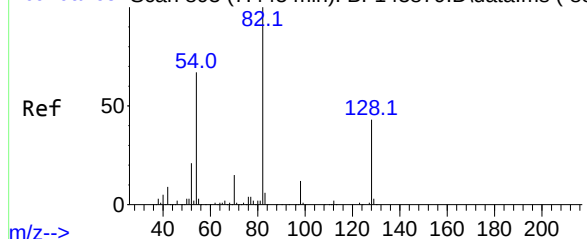
Abundance



Abundance Scan 1015 (8.163 min): BF144033.D\data.ms (-9



Abundance Scan 893 (7.445 min): BF143879.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 97.512 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF144033.D

Acq: 22 Oct 2025 10:54

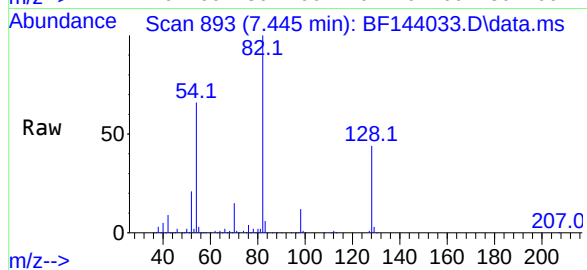
Instrument :

BNA_F

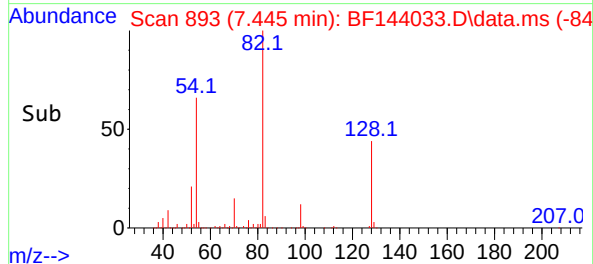
ClientSampleId :

PB170180BL

m/z-->



m/z-->



m/z-->

Tgt Ion: 82 Resp: 827633

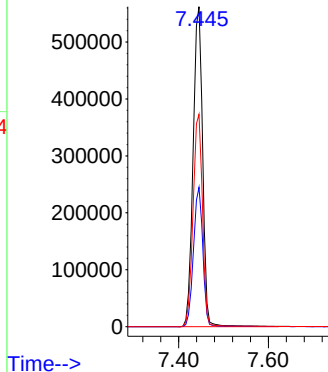
Ion Ratio Lower Upper

82 100

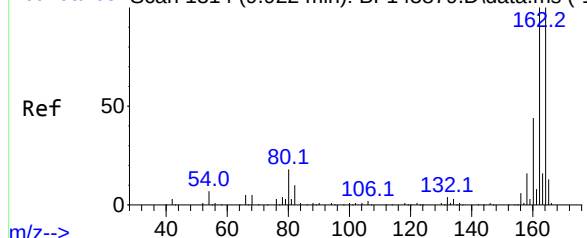
128 43.5 34.0 51.0

54 66.3 53.2 79.8

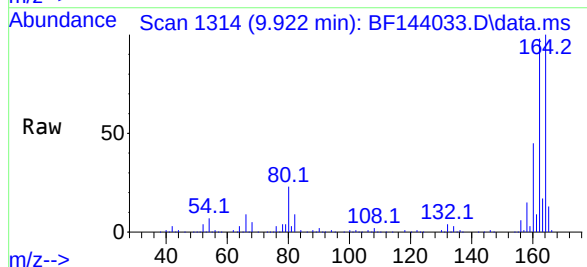
Abundance



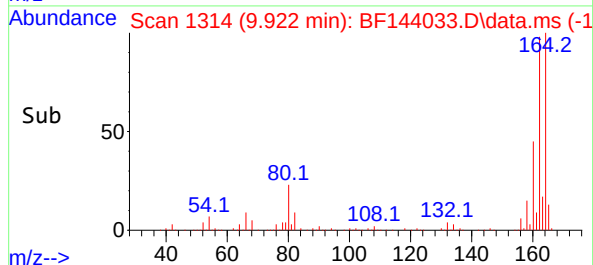
Abundance Scan 1314 (9.922 min): BF143879.D\data.ms (-1



m/z-->



m/z-->



m/z-->

#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF144033.D

Acq: 22 Oct 2025 10:54

Tgt Ion: 164 Resp: 278111

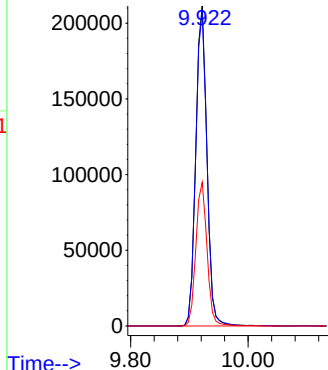
Ion Ratio Lower Upper

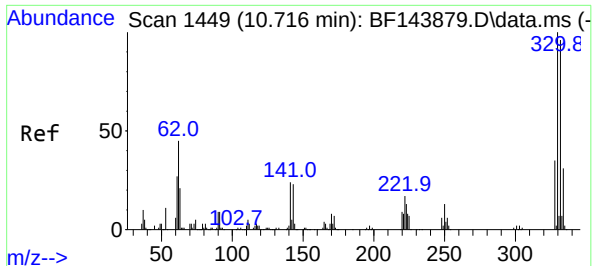
164 100

162 98.3 80.2 120.2

160 44.9 35.4 53.0

Abundance

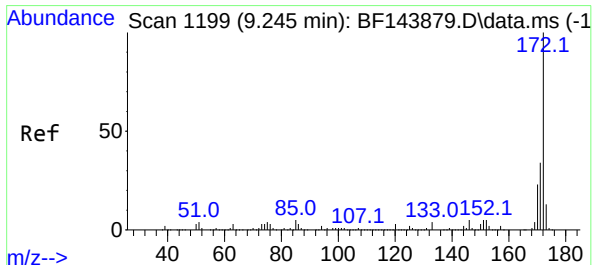
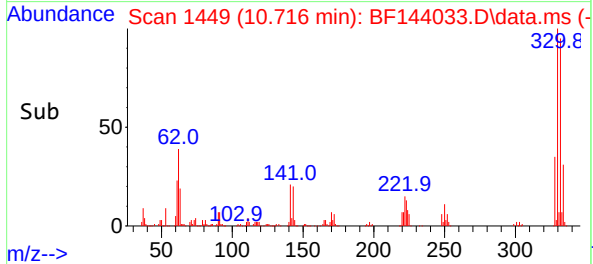
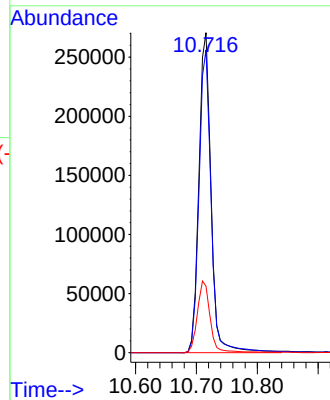
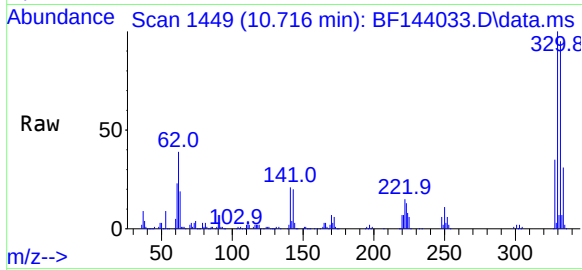




#42
2,4,6-Tribromophenol
Concen: 135.864 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

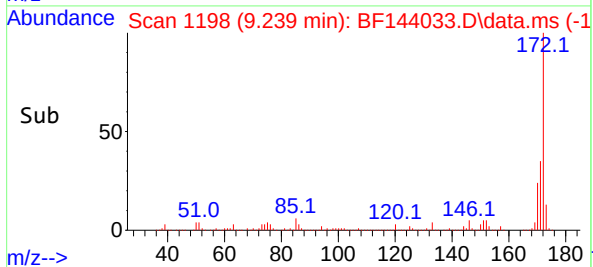
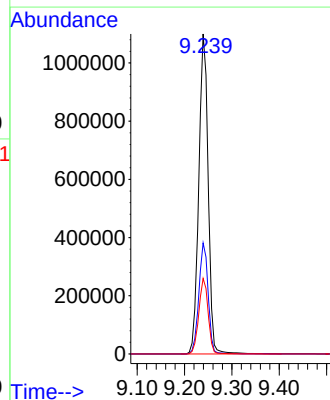
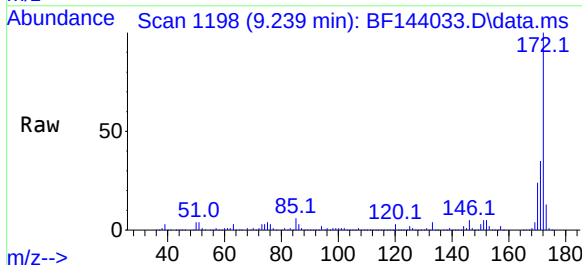
Instrument :
BNA_F
ClientSampleId :
PB170180BL

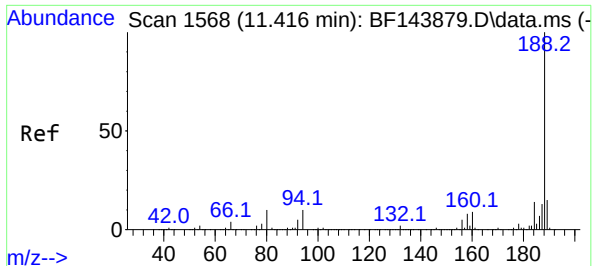
Tgt Ion:330 Resp: 376350
Ion Ratio Lower Upper
330 100
332 95.1 76.9 115.3
141 23.6 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 86.491 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Tgt Ion:172 Resp: 1515939
Ion Ratio Lower Upper
172 100
171 34.7 27.4 41.0
170 23.6 18.6 28.0

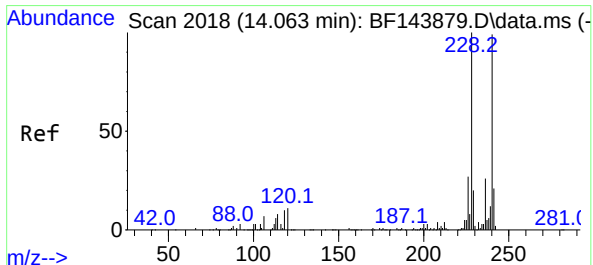
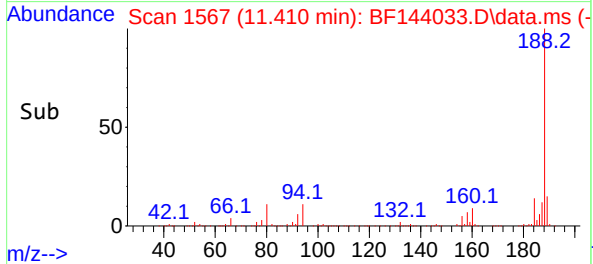
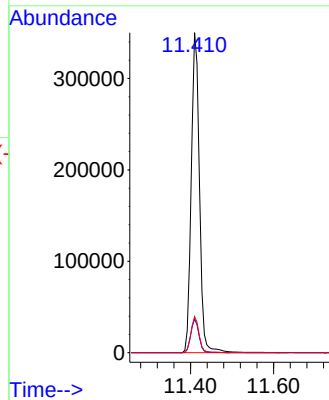
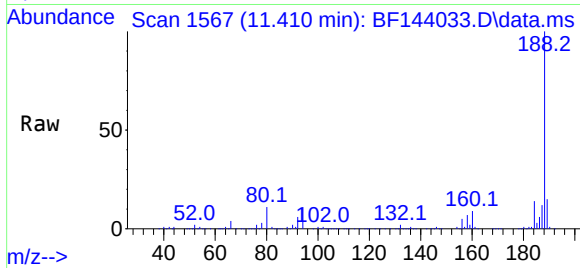




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

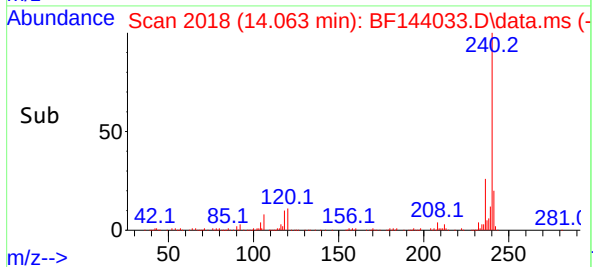
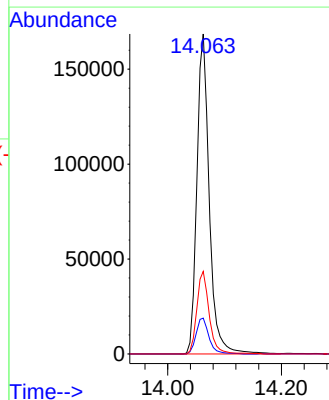
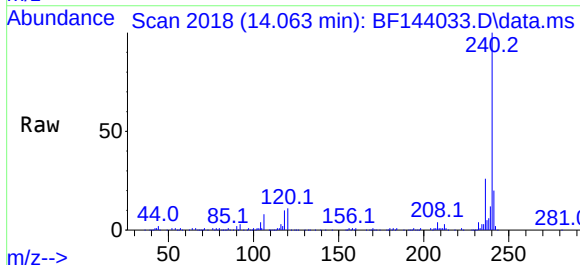
Instrument :
BNA_F
ClientSampleId :
PB170180BL

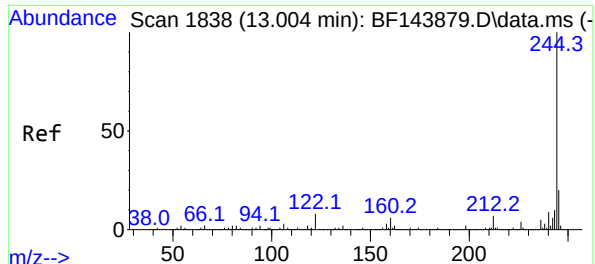
Tgt Ion:188 Resp: 477973
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.3 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Tgt Ion:240 Resp: 255711
Ion Ratio Lower Upper
240 100
120 11.2 8.6 13.0
236 25.8 21.1 31.7





#79

Terphenyl-d14

Concen: 102.032 ng

RT: 13.004 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144033.D

Acq: 22 Oct 2025 10:54

Instrument :

BNA_F

ClientSampleId :

PB170180BL

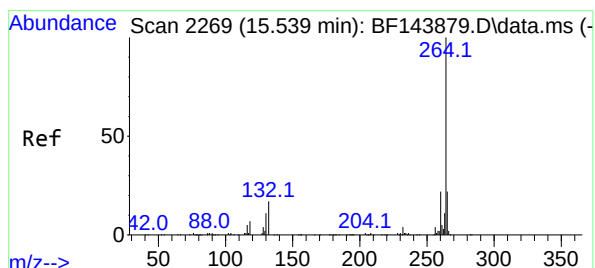
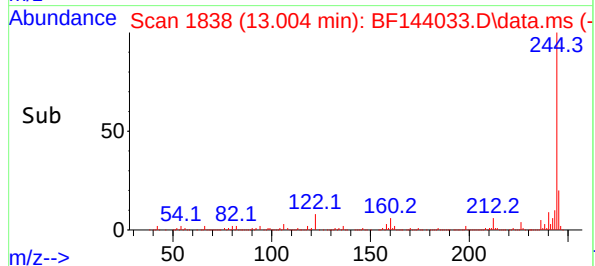
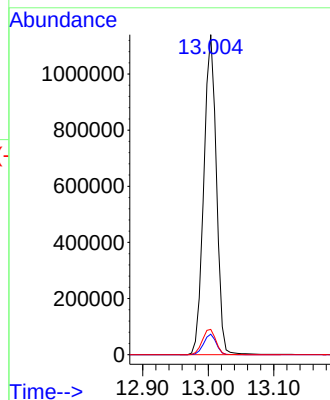
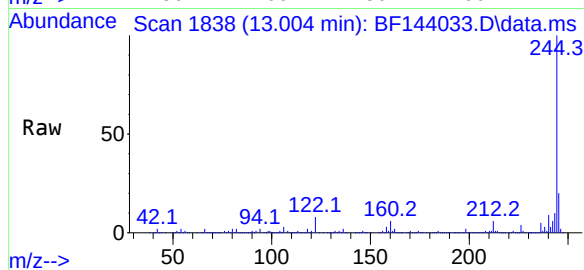
Tgt Ion:244 Resp: 1526595

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 7.9 6.4 9.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF144033.D

Acq: 22 Oct 2025 10:54

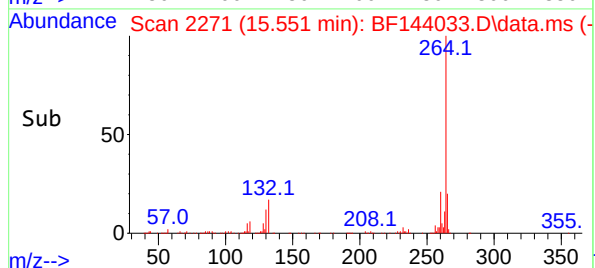
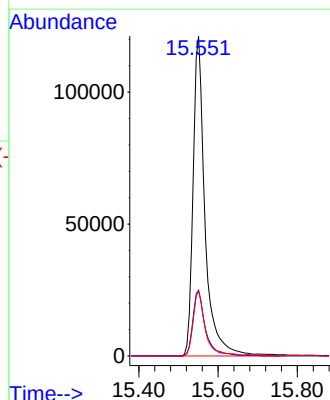
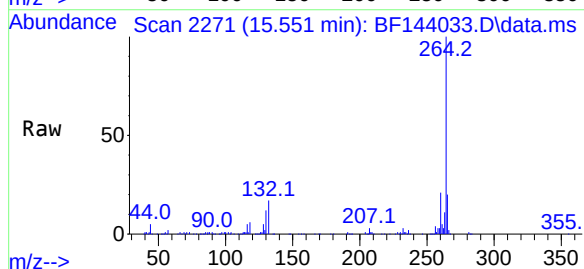
Tgt Ion:264 Resp: 254526

Ion Ratio Lower Upper

264 100

260 20.5 17.8 26.8

265 20.4 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144033.D
Acq On : 22 Oct 2025 10:54
Operator : RC/JU
Sample : PB170180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

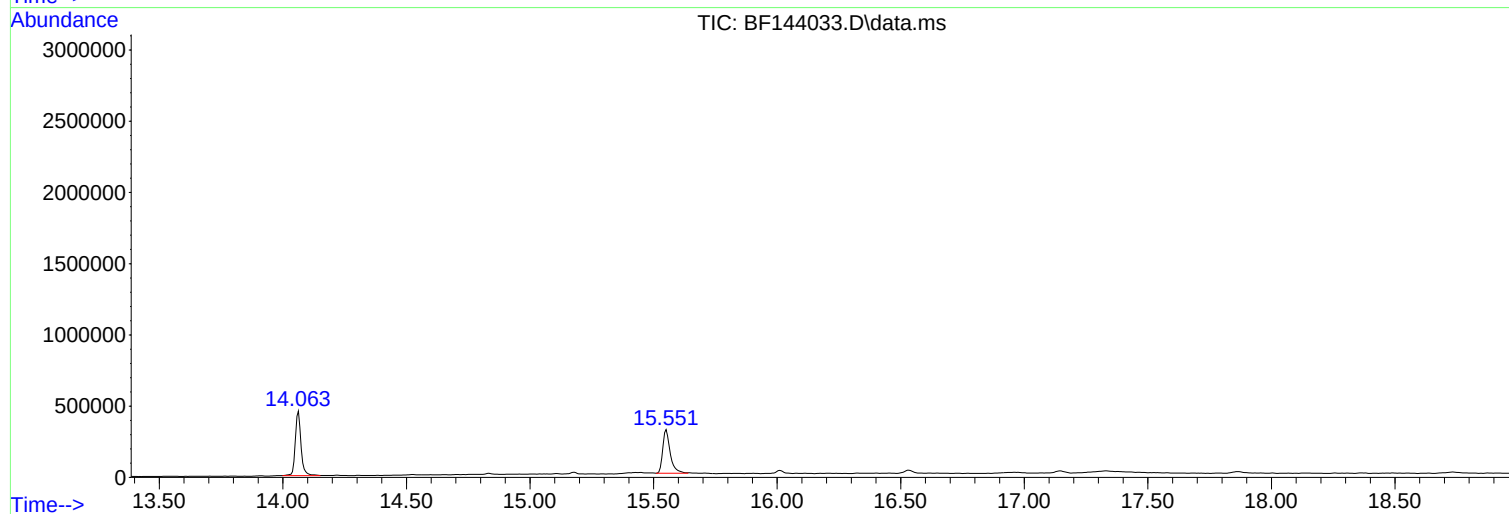
Signal : TIC: BF144033.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.134	491	500	512	rBV	42555	75666	1.78%	0.282%
2	5.510	557	564	569	rBV	2798614	3929297	92.63%	14.654%
3	6.510	727	734	739	rBV	2744335	4017647	94.71%	14.983%
4	6.881	792	797	802	rBV	661520	811019	19.12%	3.025%
5	7.445	886	893	898	rBV	1786968	2582645	60.88%	9.632%
6	8.163	1009	1015	1035	rBV	807533	1058043	24.94%	3.946%
7	9.239	1191	1198	1221	rBV	3106944	4241901	100.00%	15.820%
8	9.922	1308	1314	1326	rBV	883868	1167215	27.52%	4.353%
9	10.710	1443	1448	1477	rBV	1765309	2615350	61.66%	9.754%
10	11.410	1562	1567	1575	rBV	846774	1137378	26.81%	4.242%
11	13.004	1832	1838	1843	rBV	2840763	3816236	89.97%	14.232%
12	14.063	2007	2018	2033	rBV	454107	721567	17.01%	2.691%
13	15.551	2264	2271	2286	rBV	306273	639998	15.09%	2.387%

Sum of corrected areas: 26813962

Instrument :
BNA_F
ClientSampleId :
PB170180BL

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144033.D
Acq On : 22 Oct 2025 10:54
Operator : RC/JU
Sample : PB170180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170180BL

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

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

No Library Search Compounds Detected

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144033.D
Acq On : 22 Oct 2025 10:54
Operator : RC/JU
Sample : PB170180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170180BL

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

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

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



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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170180BS
Lab Sample ID: PB170180BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	880		1	160	330	ug/Kg	10/22/25 11:23	PB170180
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	10/22/25 11:23	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	24.3	170	ug/Kg	10/22/25 11:23	PB170180
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/22/25 11:23	PB170180
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/22/25 11:23	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	37.5	170	ug/Kg	10/22/25 11:23	PB170180
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/22/25 11:23	PB170180
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	10/22/25 11:23	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/22/25 11:23	PB170180
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/22/25 11:23	PB170180
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/22/25 11:23	PB170180
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	10/22/25 11:23	PB170180
88-75-5	2-Nitrophenol	1800		1	58.1	170	ug/Kg	10/22/25 11:23	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	64.7	170	ug/Kg	10/22/25 11:23	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/22/25 11:23	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	28.3	170	ug/Kg	10/22/25 11:23	PB170180
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/22/25 11:23	PB170180
106-47-8	4-Chloroaniline	780		1	35.4	170	ug/Kg	10/22/25 11:23	PB170180
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/22/25 11:23	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	28.7	170	ug/Kg	10/22/25 11:23	PB170180
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/22/25 11:23	PB170180
77-47-4	Hexachlorocyclopentadiene	3300	E	1	120	330	ug/Kg	10/22/25 11:23	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	10/22/25 11:23	PB170180
95-95-4	2,4,5-Trichlorophenol	1400		1	29.1	170	ug/Kg	10/22/25 11:23	PB170180
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/22/25 11:23	PB170180
91-58-7	2-Chloronaphthalene	1500		1	22.5	170	ug/Kg	10/22/25 11:23	PB170180
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/22/25 11:23	PB170180
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/22/25 11:23	PB170180
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/22/25 11:23	PB170180
606-20-2	2,6-Dinitrotoluene	1800		1	33.6	170	ug/Kg	10/22/25 11:23	PB170180
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/22/25 11:23	PB170180
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/22/25 11:23	PB170180
51-28-5	2,4-Dinitrophenol	2600		1	230	330	ug/Kg	10/22/25 11:23	PB170180
100-02-7	4-Nitrophenol	2600		1	110	330	ug/Kg	10/22/25 11:23	PB170180
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	10/22/25 11:23	PB170180
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/22/25 11:23	PB170180
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/22/25 11:23	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/22/25 11:23	PB170180
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
100-01-6	4-Nitroaniline	1500		1	64.1	170	ug/Kg	10/22/25 11:23	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/22/25 11:23	PB170180



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Fax : 908 789 8922

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170180BS
Lab Sample ID: PB170180BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500	1	32.9		170	ug/Kg	10/22/25 11:23	PB170180
101-55-3	4-Bromophenyl-phenylether	1500	1	27.8		170	ug/Kg	10/22/25 11:23	PB170180
118-74-1	Hexachlorobenzene	1400	1	25.3		170	ug/Kg	10/22/25 11:23	PB170180
1912-24-9	Atrazine	1600	1	34.0		170	ug/Kg	10/22/25 11:23	PB170180
87-86-5	Pentachlorophenol	2400	1	51.2		330	ug/Kg	10/22/25 11:23	PB170180
85-01-8	Phenanthrene	1500	1	20.9		170	ug/Kg	10/22/25 11:23	PB170180
120-12-7	Anthracene	1500	1	33.3		170	ug/Kg	10/22/25 11:23	PB170180
86-74-8	Carbazole	1500	1	31.2		170	ug/Kg	10/22/25 11:23	PB170180
84-74-2	Di-n-butylphthalate	1500	1	47.9		170	ug/Kg	10/22/25 11:23	PB170180
206-44-0	Fluoranthene	1400	1	30.0		170	ug/Kg	10/22/25 11:23	PB170180
129-00-0	Pyrene	1600	1	36.0		170	ug/Kg	10/22/25 11:23	PB170180
85-68-7	Butylbenzylphthalate	1700	1	71.3		170	ug/Kg	10/22/25 11:23	PB170180
91-94-1	3,3-Dichlorobenzidine	1100	1	36.7		330	ug/Kg	10/22/25 11:23	PB170180
56-55-3	Benzo(a)anthracene	1500	1	23.0		170	ug/Kg	10/22/25 11:23	PB170180
218-01-9	Chrysene	1600	1	19.9		170	ug/Kg	10/22/25 11:23	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1600	1	59.1		170	ug/Kg	10/22/25 11:23	PB170180
117-84-0	Di-n-octyl phthalate	1600	1	86.7		330	ug/Kg	10/22/25 11:23	PB170180
205-99-2	Benzo(b)fluoranthene	1400	1	19.0		170	ug/Kg	10/22/25 11:23	PB170180
207-08-9	Benzo(k)fluoranthene	1400	1	22.4		170	ug/Kg	10/22/25 11:23	PB170180
50-32-8	Benzo(a)pyrene	1600	1	29.5		170	ug/Kg	10/22/25 11:23	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1900	1	29.1		170	ug/Kg	10/22/25 11:23	PB170180
53-70-3	Dibenzo(a,h)anthracene	1900	1	27.4		170	ug/Kg	10/22/25 11:23	PB170180
191-24-2	Benzo(g,h,i)perylene	1900	1	25.7		170	ug/Kg	10/22/25 11:23	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1600	1	25.6		170	ug/Kg	10/22/25 11:23	PB170180
123-91-1	1,4-Dioxane	1300	1	45.2		170	ug/Kg	10/22/25 11:23	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1500	1	27.4		170	ug/Kg	10/22/25 11:23	PB170180

SURROGATES

367-12-4	2-Fluorophenol	116		18 - 112	78%	SPK: 150
13127-88-3	Phenol-d6	118		15 - 107	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.1		18 - 107	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.6		20 - 109	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	95.9		10 - 105	96%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	120000
1146-65-2	Naphthalene-d8	460000
15067-26-2	Acenaphthene-d10	247000
1517-22-2	Phenanthrene-d10	410000
1719-03-5	Chrysene-d12	219000
1520-96-3	Perylene-d12	214000

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: PB170180BS
 Lab Sample ID: PB170180BS
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/21/25

Date Collected:
 Date Received:
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 100
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144034.D
 Acq On : 22 Oct 2025 11:23
 Operator : RC/JU
 Sample : PB170180BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

Quant Time: Oct 22 12:19:49 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 06 15:29:47 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	119718	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	459704	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	246572	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	409864	20.000	ng	0.00
76) Chrysene-d12	14.062	240	219056	20.000	ng	0.00
86) Perylene-d12	15.545	264	213561	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	877798	116.435	ng	0.01
7) Phenol-d6	6.510	99	1064752	118.488	ng	0.00
23) Nitrobenzene-d5	7.445	82	658921	87.083	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	311869	126.987	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1236577	79.576	ng	-0.01
79) Terphenyl-d14	13.004	244	1229329	95.912	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.734	88	135824	38.933	ng	96
3) Pyridine	3.493	79	383553	37.766	ng	97
4) n-Nitrosodimethylamine	3.446	42	231413	43.315	ng	96
6) Aniline	6.545	93	463085	34.390	ng	97
8) 2-Chlorophenol	6.669	128	323383	43.882	ng	98
9) Benzaldehyde	6.434	77	184183	26.570	ng	100
10) Phenol	6.528	94	465127	43.295	ng	96
11) bis(2-Chloroethyl)ether	6.616	93	363582	43.811	ng	98
12) 1,3-Dichlorobenzene	6.822	146	385966	43.754	ng	98
13) 1,4-Dichlorobenzene	6.898	146	391013	44.937	ng	99
14) 1,2-Dichlorobenzene	7.051	146	376415	45.163	ng	99
15) Benzyl Alcohol	7.022	79	308936	45.884	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	836420	44.278	ng	99
17) 2-Methylphenol	7.134	107	270072	44.345	ng	98
18) Hexachloroethane	7.392	117	129818	44.736	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	259383	42.169	ng	95
20) 3+4-Methylphenols	7.286	107	299684	42.457	ng	# 74
22) Acetophenone	7.292	105	465580	47.899	ng	98
24) Nitrobenzene	7.463	77	380006	45.224	ng	98
25) Isophorone	7.704	82	695716	43.606	ng	98
26) 2-Nitrophenol	7.781	139	191765	53.231	ng	95
27) 2,4-Dimethylphenol	7.816	122	311248	48.029	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	446575	44.311	ng	99
29) 2,4-Dichlorophenol	8.022	162	293698	43.509	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	300150	45.212	ng	98
31) Naphthalene	8.186	128	900753	43.074	ng	99
32) Benzoic acid	7.945	122	210289	46.887	ng	95
33) 4-Chloroaniline	8.233	127	184345	23.505	ng	98
34) Hexachlorobutadiene	8.304	225	201469	43.672	ng	99
35) Caprolactam	8.604	113	98243m	45.773	ng	
36) 4-Chloro-3-methylphenol	8.716	107	281138	43.358	ng	99
37) 2-Methylnaphthalene	8.880	142	553486	39.734	ng	100
38) 1-Methylnaphthalene	8.980	142	561229	41.537	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	327097	47.997	ng	98
41) Hexachlorocyclopentadiene	9.033	237	280053	99.056	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	221755	44.535	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144034.D
 Acq On : 22 Oct 2025 11:23
 Operator : RC/JU
 Sample : PB170180BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

Quant Time: Oct 22 12:19:49 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 06 15:29:47 2025

Response via : Initial Calibration

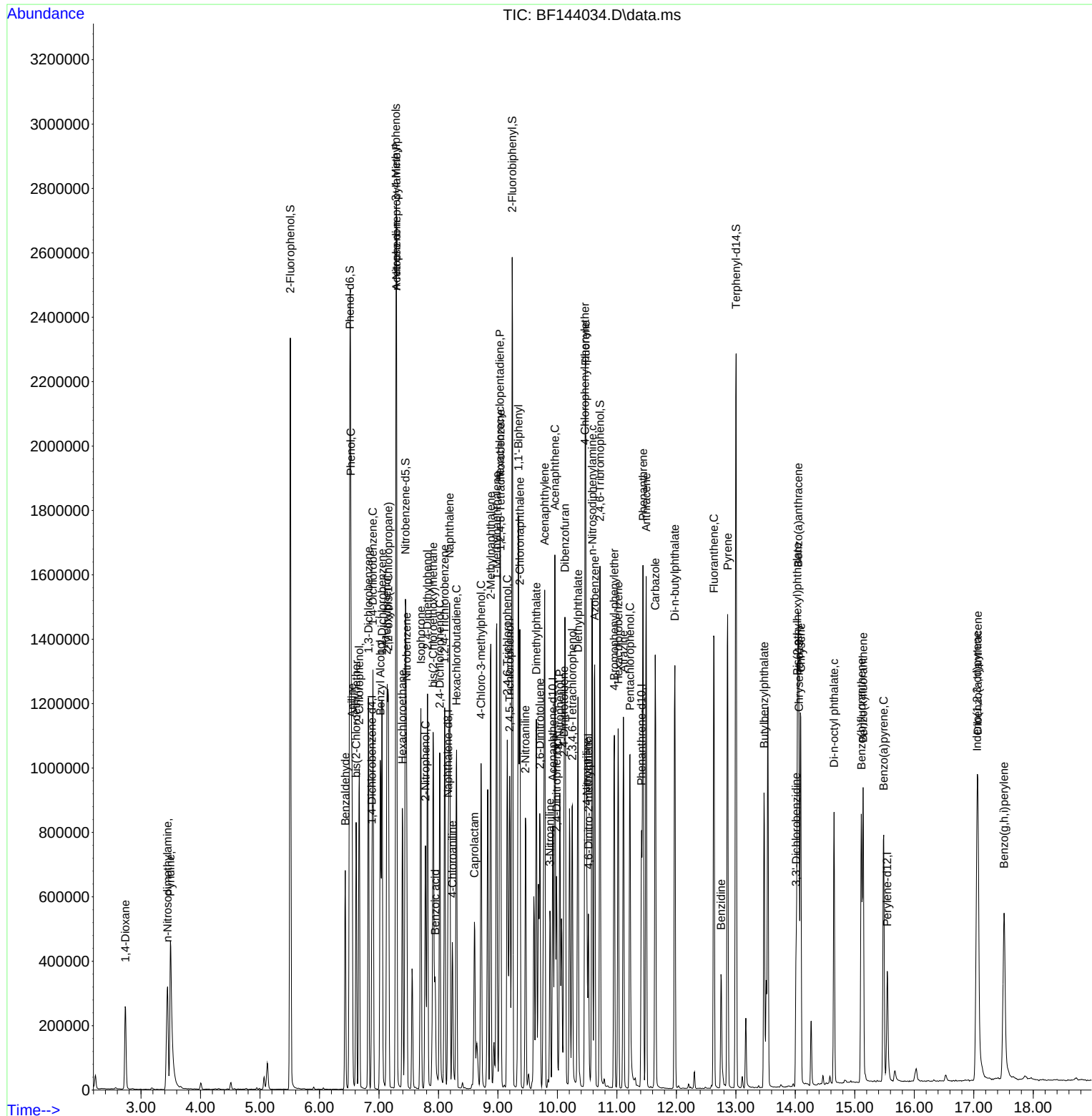
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	229126	43.543	ng	99
46) 1,1'-Biphenyl	9.345	154	773525	47.382	ng	98
47) 2-Chloronaphthalene	9.369	162	601901	44.221	ng	97
48) 2-Nitroaniline	9.463	65	208448	48.439	ng	100
49) Acenaphthylene	9.786	152	948248	49.554	ng	100
50) Dimethylphthalate	9.645	163	695536	44.420	ng	100
51) 2,6-Dinitrotoluene	9.704	165	153515	52.872	ng	97
52) Acenaphthene	9.957	154	575664	45.911	ng	98
53) 3-Nitroaniline	9.875	138	114553	32.221	ng	96
54) 2,4-Dinitrophenol	9.986	184	140703	78.686	ng	# 90
55) Dibenzofuran	10.127	168	770168	43.513	ng	99
56) 4-Nitrophenol	10.039	139	213879	79.453	ng	98
57) 2,4-Dinitrotoluene	10.110	165	203059	51.399	ng	99
58) Fluorene	10.474	166	592420	44.357	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	170373	45.739	ng	98
60) Diethylphthalate	10.345	149	647831	44.534	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	311202	44.073	ng	98
62) 4-Nitroaniline	10.492	138	149396	43.698	ng	96
63) Azobenzene	10.627	77	689787	45.371	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	108273	52.568	ng	98
66) n-Nitrosodiphenylamine	10.586	169	596101	46.319	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	198082	43.730	ng	99
68) Hexachlorobenzene	11.022	284	227930	43.465	ng	99
69) Atrazine	11.110	200	184072	47.190	ng	98
70) Pentachlorophenol	11.222	266	217677	72.275	ng	99
71) Phenanthrene	11.439	178	880155	44.295	ng	99
72) Anthracene	11.492	178	890556	44.364	ng	99
73) Carbazole	11.645	167	790245	44.449	ng	99
74) Di-n-butylphthalate	11.974	149	920963	44.696	ng	100
75) Fluoranthene	12.633	202	869646	42.371	ng	99
77) Benzidine	12.751	184	232839	30.612	ng	98
78) Pyrene	12.863	202	895799	49.051	ng	99
80) Butylbenzylphthalate	13.474	149	296852	50.051	ng	96
81) Benzo(a)anthracene	14.051	228	656992	45.831	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	141998	32.504	ng	99
83) Chrysene	14.092	228	620817	46.792	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	348458	48.738	ng	99
85) Di-n-octyl phthalate	14.651	149	556634	47.402	ng	100
87) Indeno(1,2,3-cd)pyrene	17.056	276	740956	56.623	ng	98
88) Benzo(b)fluoranthene	15.109	252	500371	40.788	ng	99
89) Benzo(k)fluoranthene	15.139	252	466903	41.132	ng	100
90) Benzo(a)pyrene	15.486	252	516671	48.572	ng	97
91) Dibenzo(a,h)anthracene	17.068	278	593880	56.429	ng	99
92) Benzo(g,h,i)perylene	17.509	276	602133	57.212	ng	97

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

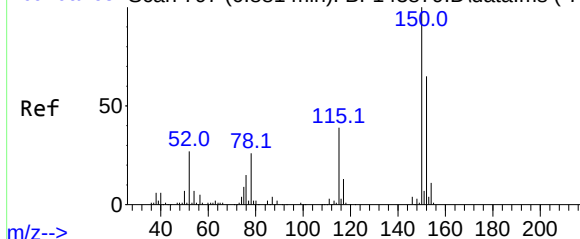
Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



Abundance Scan 797 (6.881 min): BF143879.D\data.ms (-79)



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

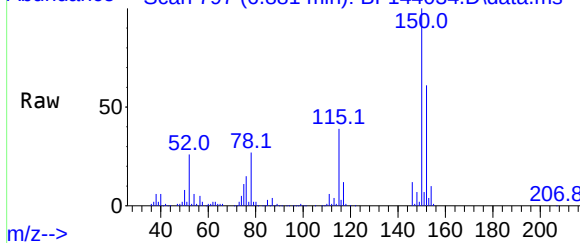
Instrument :

BNA_F

ClientSampleId :

PB170180BS

Abundance Scan 797 (6.881 min): BF144034.D\data.ms

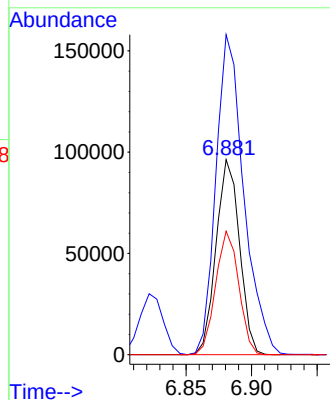
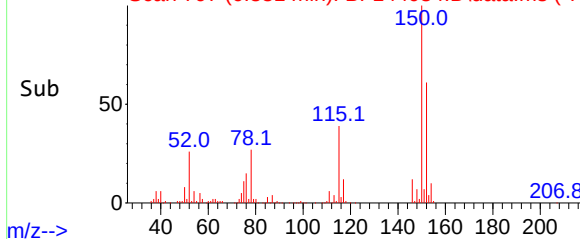


Tgt Ion:152 Resp: 119718
Ion Ratio Lower Upper
152 100
150 164.1 124.4 186.6
115 63.3 48.1 72.1

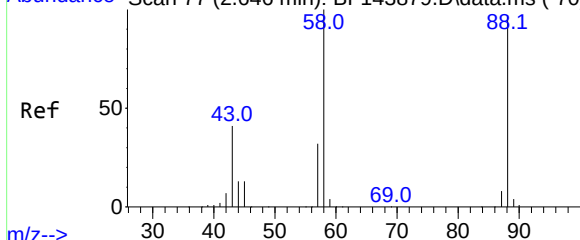
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

Abundance Scan 797 (6.881 min): BF144034.D\data.ms (-78)



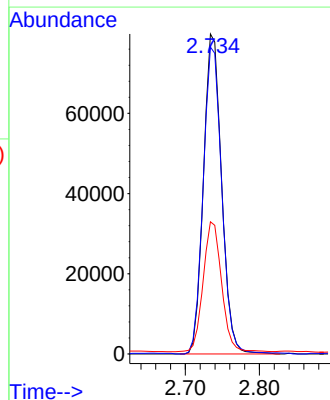
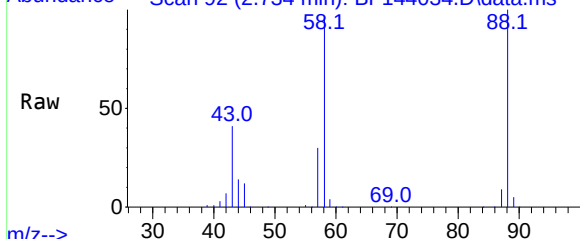
Abundance Scan 77 (2.646 min): BF143879.D\data.ms (-70)



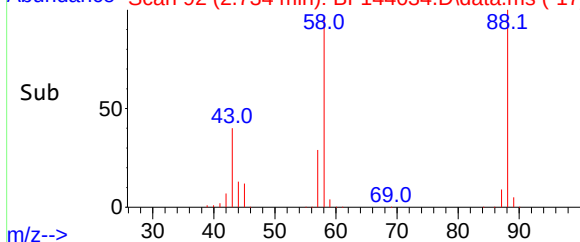
#2
1,4-Dioxane
Concen: 38.933 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.088 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 88 Resp: 135824
Ion Ratio Lower Upper
88 100
58 98.7 83.0 124.6
43 41.3 33.9 50.9

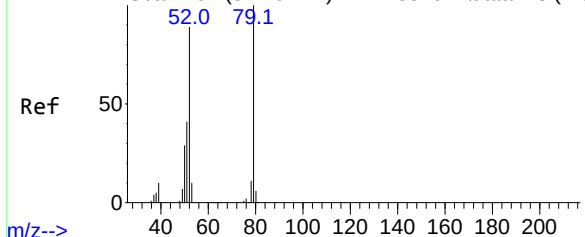
Abundance Scan 92 (2.734 min): BF144034.D\data.ms



Abundance Scan 92 (2.734 min): BF144034.D\data.ms (-17)



Abundance Scan 207 (3.410 min): BF143879.D\data.ms (-20)



#3

Pyridine

Concen: 37.766 ng

RT: 3.493 min Scan# 213

Delta R.T. 0.076 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

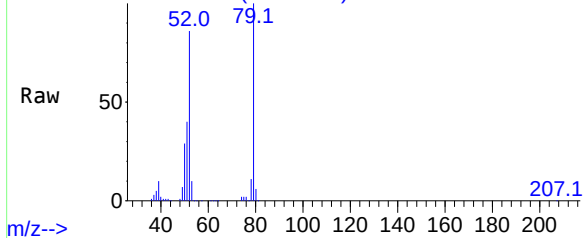
BNA_F

ClientSampleId :

PB170180BS

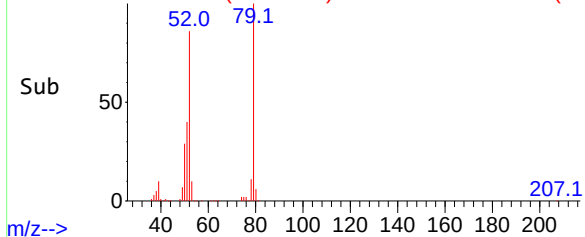
m/z-->

Abundance Scan 221 (3.493 min): BF144034.D\data.ms



m/z-->

Abundance Scan 221 (3.493 min): BF144034.D\data.ms (-19)



m/z-->

Tgt Ion: 79 Resp: 38355

Ion Ratio Lower Upper

79 100

52 85.5 71.5 107.3

51 39.9 32.9 49.3

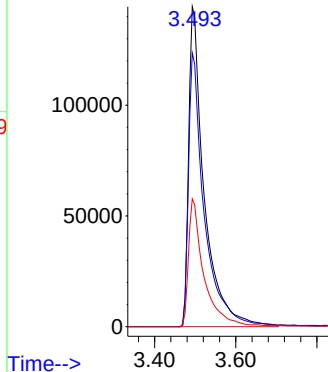
Manual Integrations

APPROVED

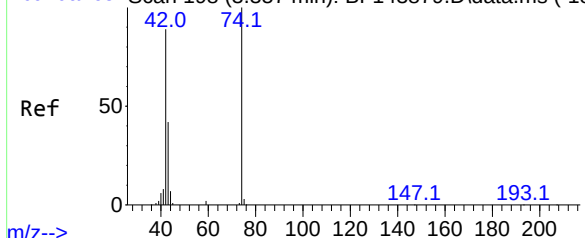
Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

Abundance

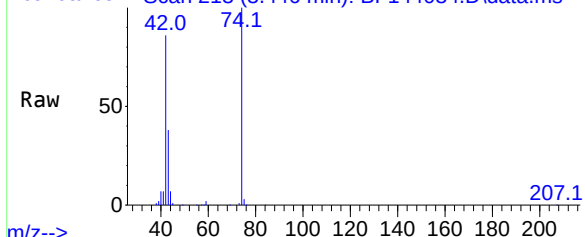


Abundance Scan 198 (3.357 min): BF143879.D\data.ms (-18)



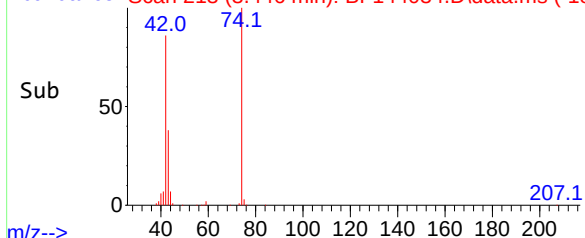
m/z-->

Abundance Scan 213 (3.446 min): BF144034.D\data.ms



m/z-->

Abundance Scan 213 (3.446 min): BF144034.D\data.ms (-18)



m/z-->

#4

n-Nitrosodimethylamine

Concen: 43.315 ng

RT: 3.446 min Scan# 213

Delta R.T. 0.059 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion: 42 Resp: 231413

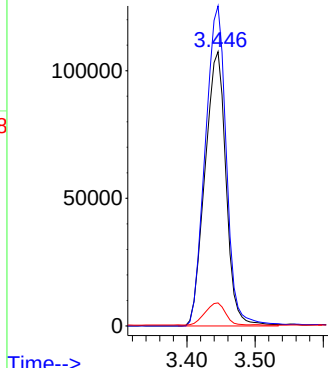
Ion Ratio Lower Upper

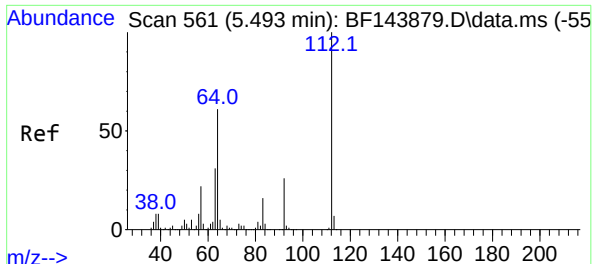
42 100

74 116.7 90.0 135.0

44 8.4 6.2 9.2

Abundance





#5

2-Fluorophenol

Concen: 116.435 ng

RT: 5.510 min Scan# 50

Delta R.T. 0.012 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:112 Resp: 877798

Ion Ratio Lower Upper

112 100

64 64.5 49.1 73.7

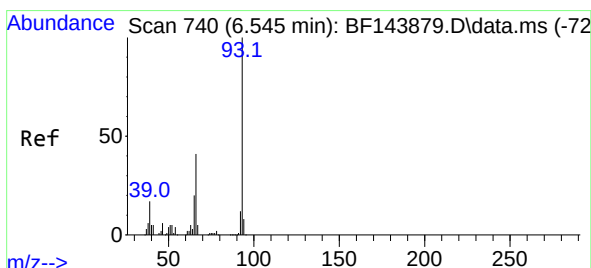
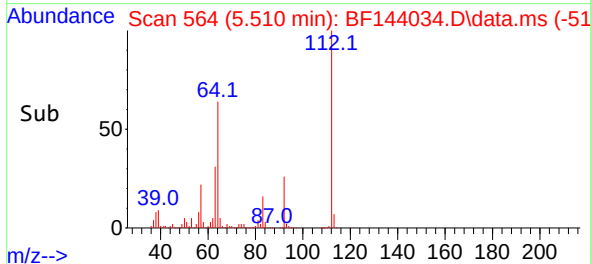
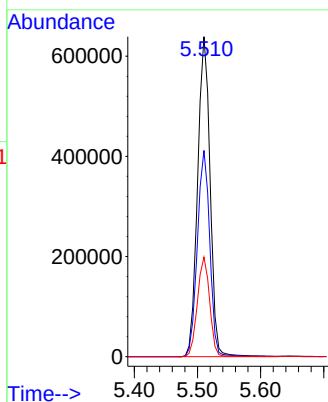
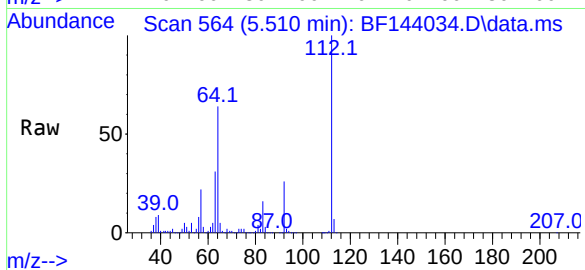
63 31.1 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#6

Aniline

Concen: 34.390 ng

RT: 6.545 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

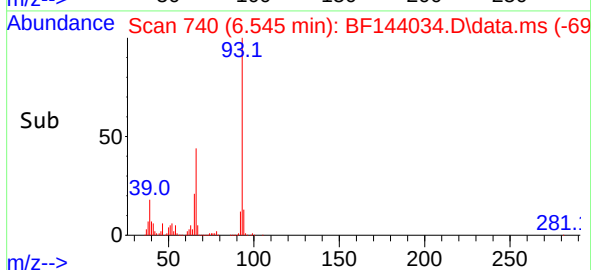
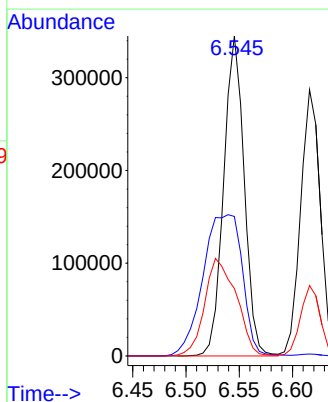
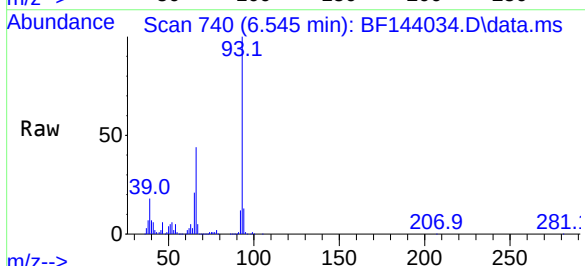
Tgt Ion: 93 Resp: 463085

Ion Ratio Lower Upper

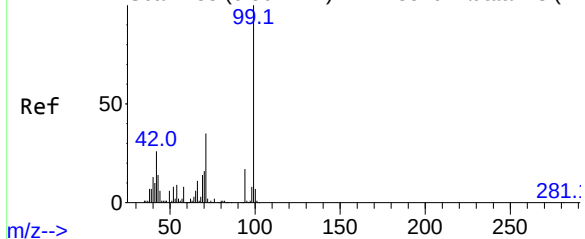
93 100

66 43.6 33.0 49.6

65 21.1 15.8 23.8



Abundance Scan 733 (6.504 min): BF143879.D\data.ms (-72



#7

Phenol-d6

Concen: 118.488 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion: 99 Resp: 106475

Ion Ratio Lower Upper

99 100

42 26.8 21.0 31.4

71 33.8 27.8 41.8

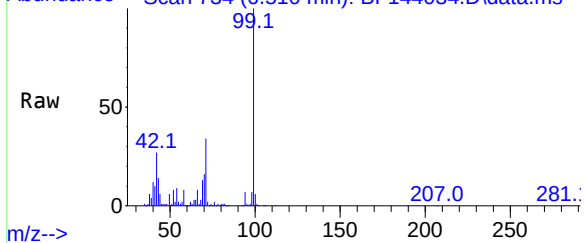
Manual Integrations

APPROVED

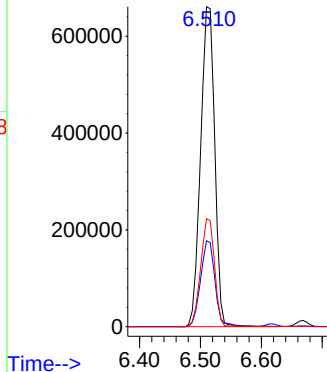
Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

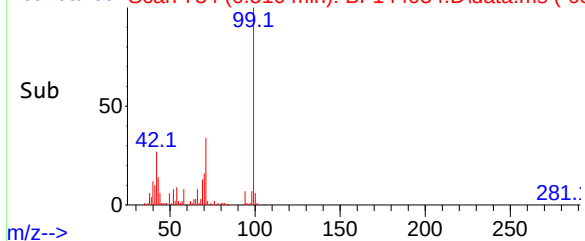
Abundance Scan 734 (6.510 min): BF144034.D\data.ms



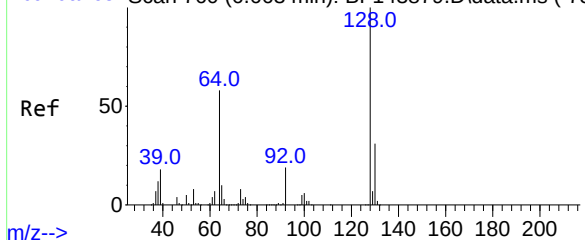
Abundance



Abundance Scan 734 (6.510 min): BF144034.D\data.ms (-68



Abundance Scan 760 (6.663 min): BF143879.D\data.ms (-75



#8

2-Chlorophenol

Concen: 43.882 ng

RT: 6.669 min Scan# 761

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:128 Resp: 323383

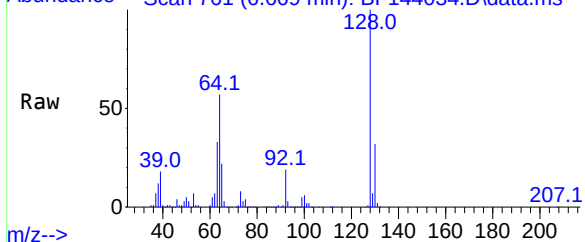
Ion Ratio Lower Upper

128 100

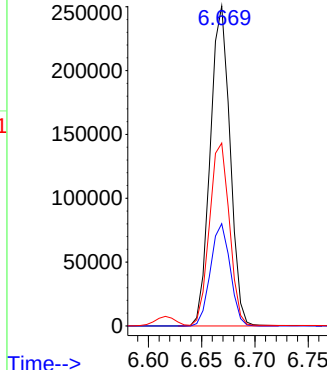
130 31.9 10.7 50.7

64 57.2 39.0 79.0

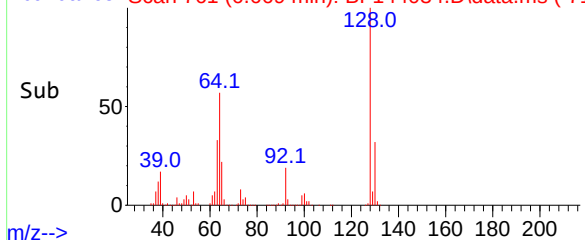
Abundance Scan 761 (6.669 min): BF144034.D\data.ms



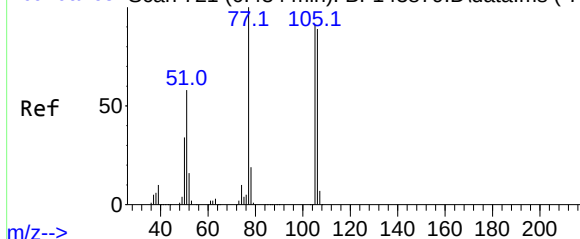
Abundance



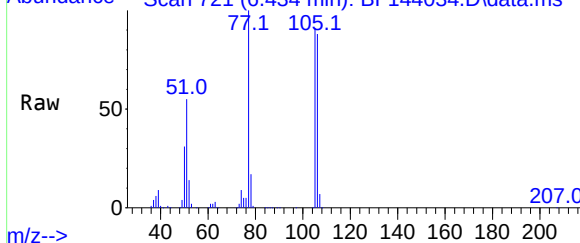
Abundance Scan 761 (6.669 min): BF144034.D\data.ms (-71



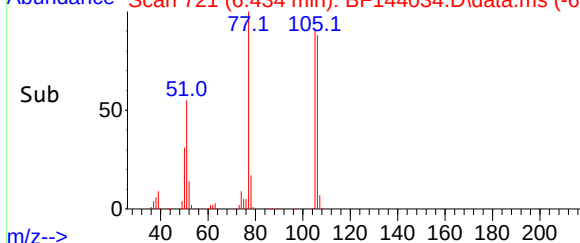
Abundance Scan 721 (6.434 min): BF143879.D\data.ms (-71



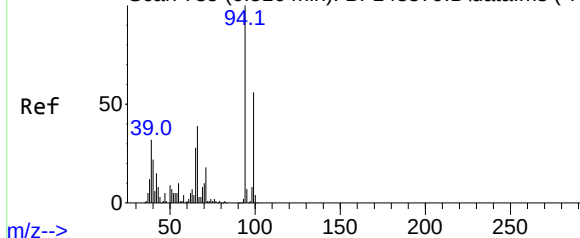
m/z--> Abundance Scan 721 (6.434 min): BF144034.D\data.ms



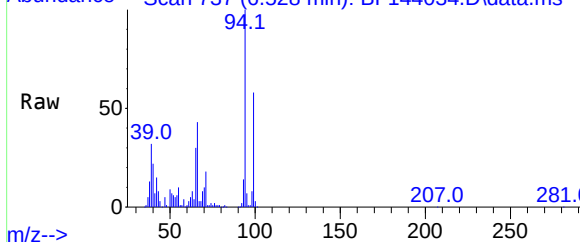
m/z--> Abundance Scan 721 (6.434 min): BF144034.D\data.ms (-67



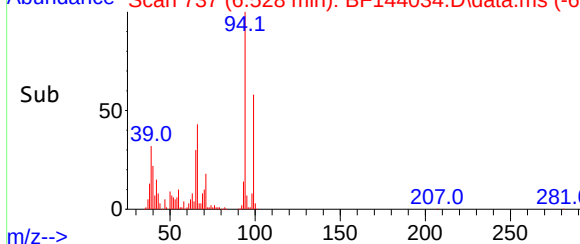
Abundance Scan 735 (6.516 min): BF143879.D\data.ms (-72



m/z--> Abundance Scan 737 (6.528 min): BF144034.D\data.ms



m/z--> Abundance Scan 737 (6.528 min): BF144034.D\data.ms (-68



m/z-->

#9

Benzaldehyde

Concen: 26.570 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion: 77 Resp: 18418

Ion Ratio Lower Upper

77 100

105 90.7 70.9 110.9

106 88.4 68.9 108.9

Instrument :

BNA_F

ClientSampleId :

PB170180BS

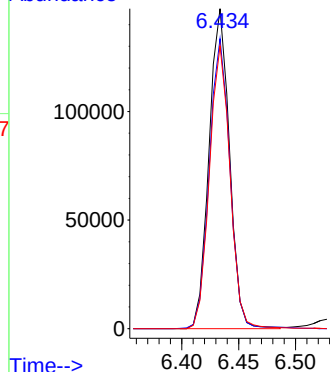
Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

Abundance



#10

Phenol

Concen: 43.295 ng

RT: 6.528 min Scan# 737

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion: 94 Resp: 465127

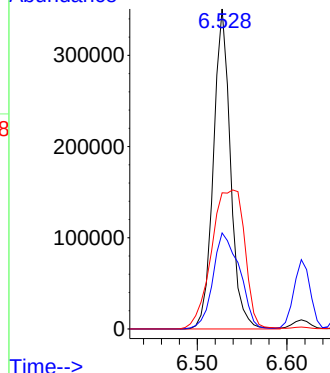
Ion Ratio Lower Upper

94 100

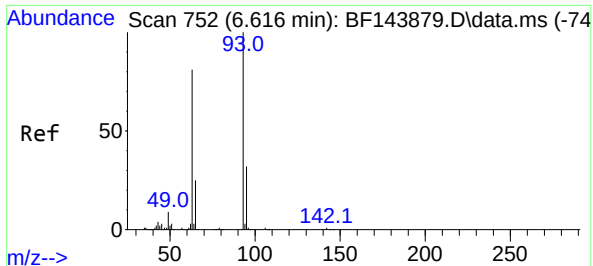
65 30.0 8.5 48.5

66 42.5 19.9 59.9

Abundance



Time-->



#11

bis(2-Chloroethyl)ether

Concen: 43.811 ng

RT: 6.616 min Scan# 752

Delta R.T. -0.012 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion: 93 Resp: 36358

Ion Ratio Lower Upper

93 100

63 82.9 60.9 100.9

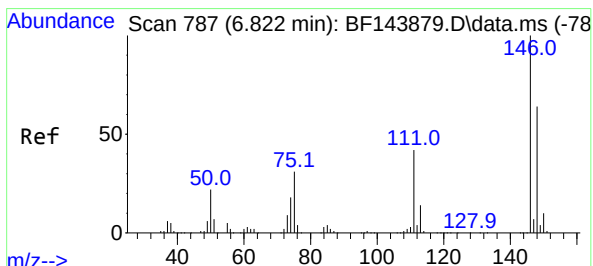
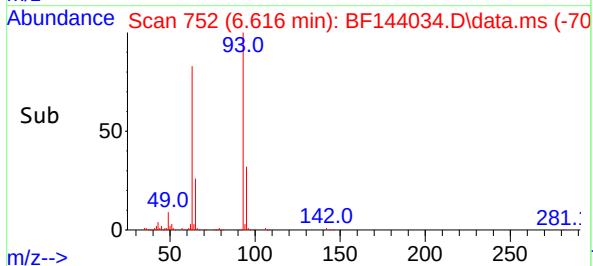
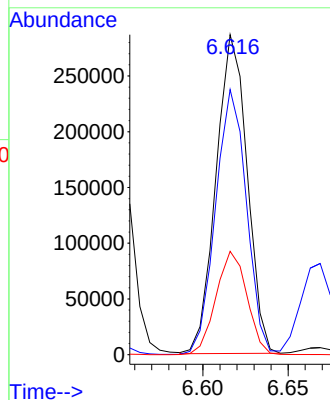
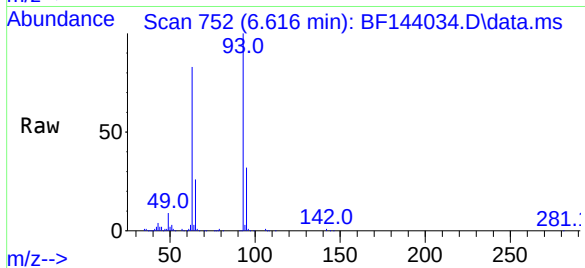
95 32.3 11.5 51.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#12

1,3-Dichlorobenzene

Concen: 43.754 ng

RT: 6.822 min Scan# 787

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

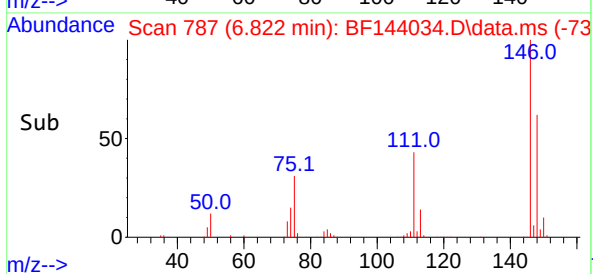
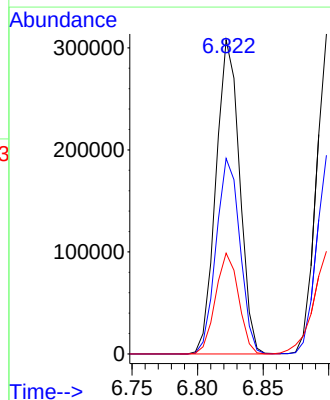
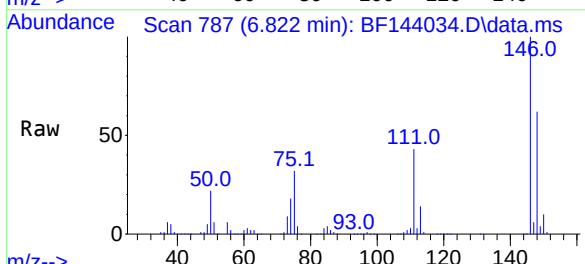
Tgt Ion:146 Resp: 385966

Ion Ratio Lower Upper

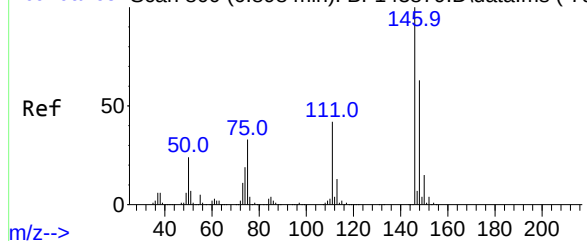
146 100

148 62.3 51.0 76.4

75 32.1 24.9 37.3



Abundance Scan 800 (6.898 min): BF143879.D\data.ms (-79



#13

1,4-Dichlorobenzene

Concen: 44.937 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:146 Resp: 39101

Ion Ratio Lower Upper

146 100

148 62.1 50.5 75.7

111 41.0 33.4 50.0

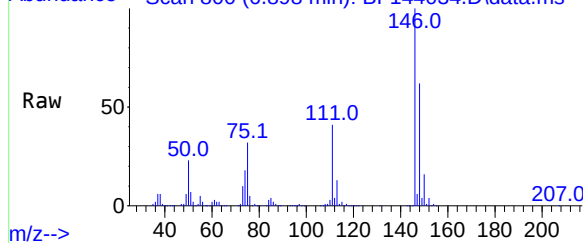
Manual Integrations

APPROVED

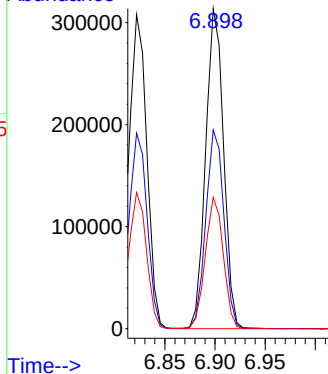
Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

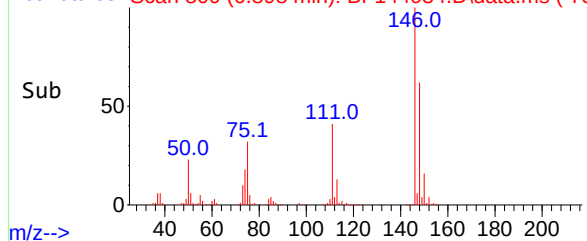
Abundance Scan 800 (6.898 min): BF144034.D\data.ms



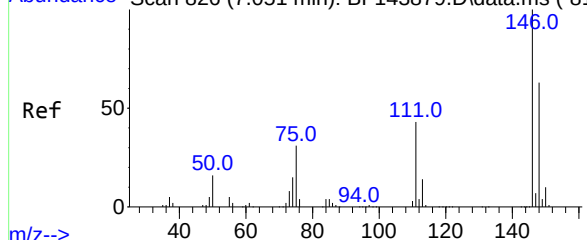
Abundance



Abundance Scan 800 (6.898 min): BF144034.D\data.ms (-75



Abundance Scan 826 (7.051 min): BF143879.D\data.ms (-81



#14

1,2-Dichlorobenzene

Concen: 45.163 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:146 Resp: 376415

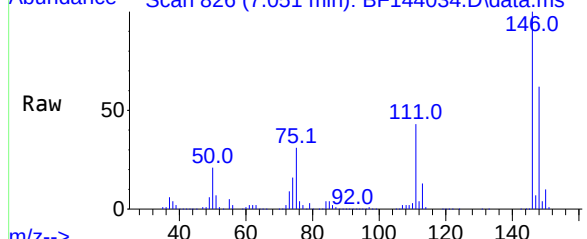
Ion Ratio Lower Upper

146 100

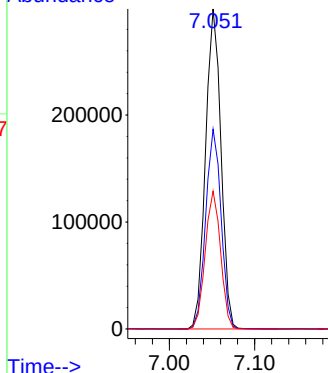
148 62.4 50.6 75.8

111 43.0 34.6 51.8

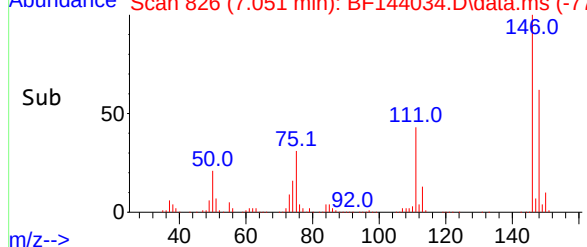
Abundance Scan 826 (7.051 min): BF144034.D\data.ms



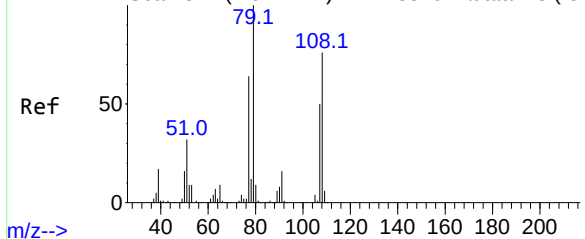
Abundance



Abundance Scan 826 (7.051 min): BF144034.D\data.ms (-77



Abundance Scan 821 (7.022 min): BF143879.D\data.ms (-81



#15

Benzyl Alcohol

Concen: 45.884 ng

RT: 7.022 min Scan# 821

Delta R.T. -0.012 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

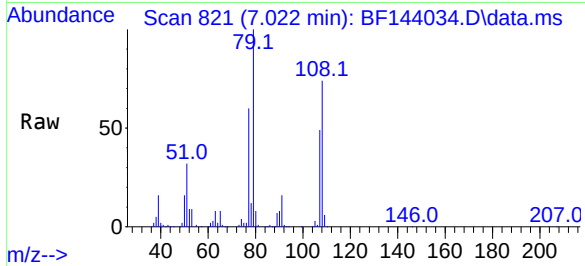
Instrument :

BNA_F

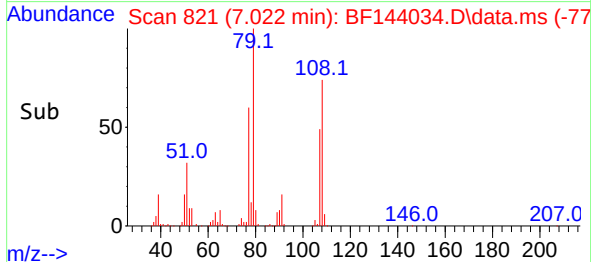
ClientSampleId :

PB170180BS

m/z-->



m/z-->



m/z-->

Tgt Ion: 79 Resp: 308930

Ion Ratio Lower Upper

79 100

108 74.3 60.8 91.2

77 60.2 51.0 76.6

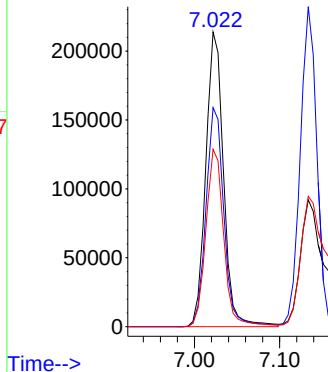
Manual Integrations

APPROVED

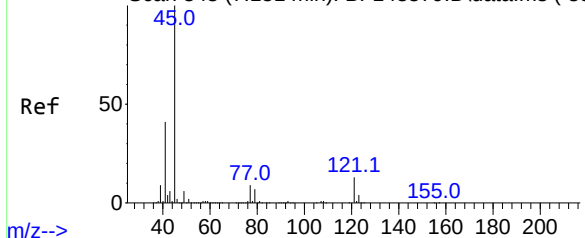
Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

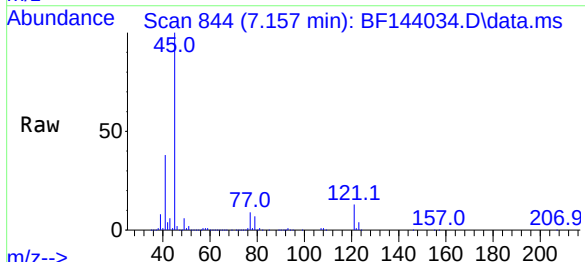
Abundance



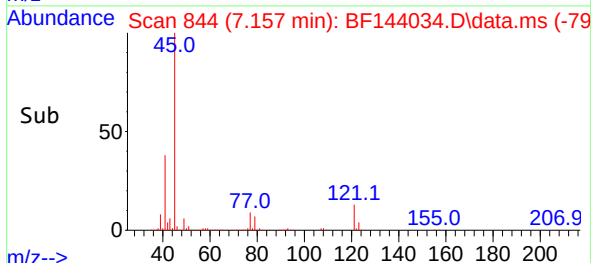
Abundance Scan 843 (7.151 min): BF143879.D\data.ms (-83



m/z-->



m/z-->



m/z-->

#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.278 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion: 45 Resp: 836420

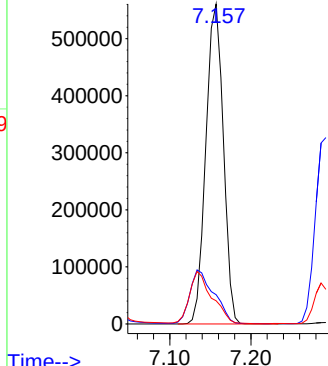
Ion Ratio Lower Upper

45 100

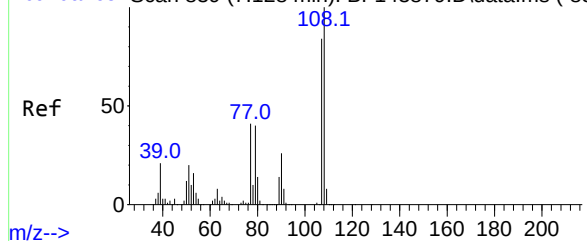
77 9.1 0.0 29.0

79 7.3 0.0 26.8

Abundance

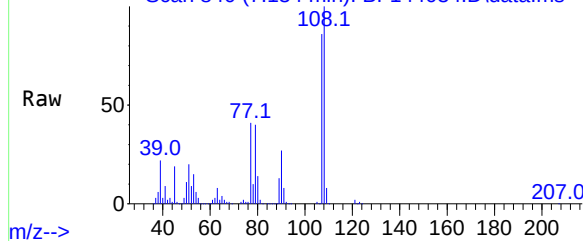


Abundance Scan 839 (7.128 min): BF143879.D\data.ms (-83



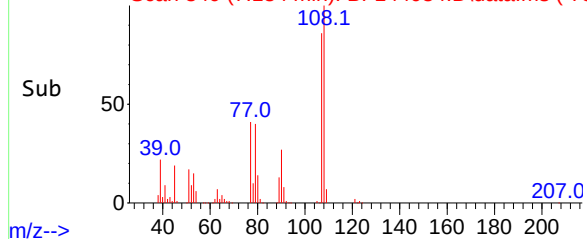
m/z-->

Abundance Scan 840 (7.134 min): BF144034.D\data.ms



m/z-->

Abundance Scan 840 (7.134 min): BF144034.D\data.ms (-78



m/z-->

#17

2-Methylphenol

Concen: 44.345 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:107 Resp: 270072

Ion Ratio Lower Upper

107 100

108 116.1 94.7 142.1

77 47.3 38.8 58.2

79 46.0 38.3 57.5

Instrument :

BNA_F

ClientSampleId :

PB170180BS

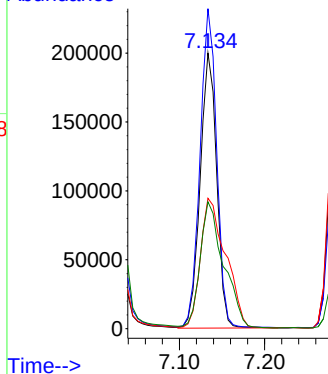
Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

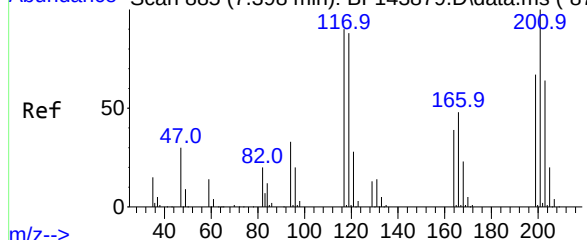
Supervised By :Jagrut Upadhyay 10/23/2025

Abundance



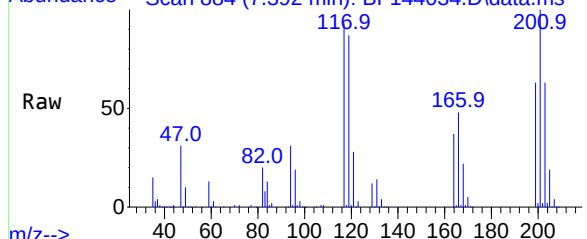
Time-->

Abundance Scan 885 (7.398 min): BF143879.D\data.ms (-87



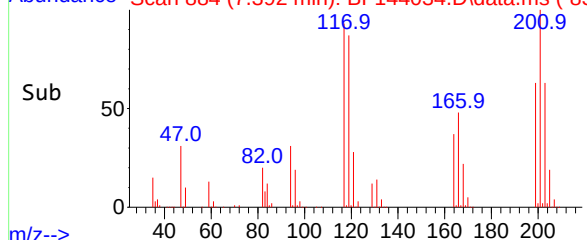
m/z-->

Abundance Scan 884 (7.392 min): BF144034.D\data.ms



m/z-->

Abundance Scan 884 (7.392 min): BF144034.D\data.ms (-83



m/z-->

#18

Hexachloroethane

Concen: 44.736 ng

RT: 7.392 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:117 Resp: 129818

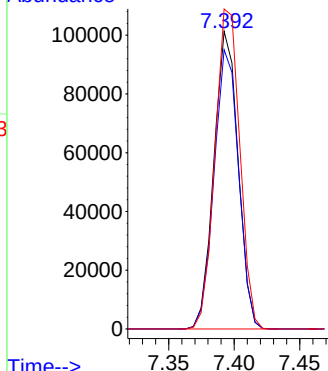
Ion Ratio Lower Upper

117 100

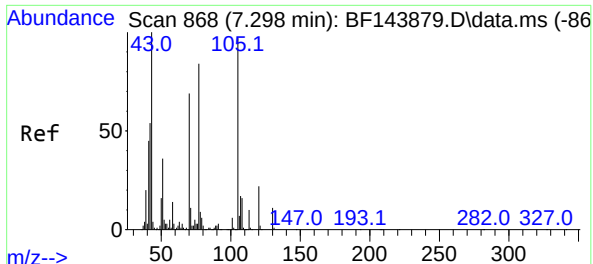
119 93.8 77.8 116.8

201 107.5 88.5 132.7

Abundance



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 42.169 ng

RT: 7.292 min Scan# 868

Delta R.T. -0.024 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion: 70 Resp: 25938

Ion Ratio Lower Upper

70 100

42 83.3 62.8 94.2

101 8.2 6.7 10.1

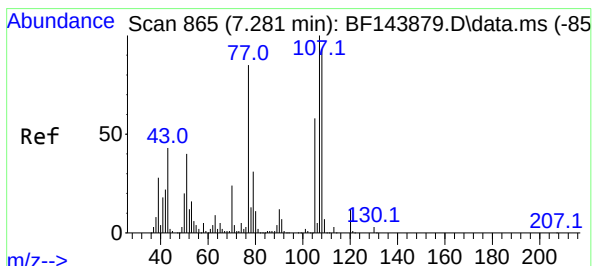
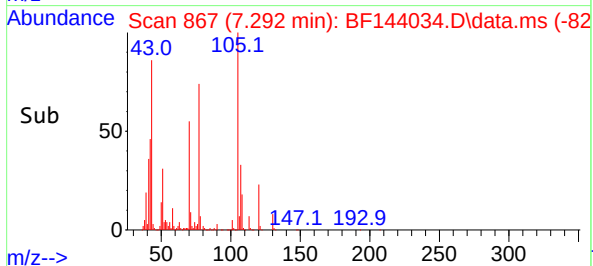
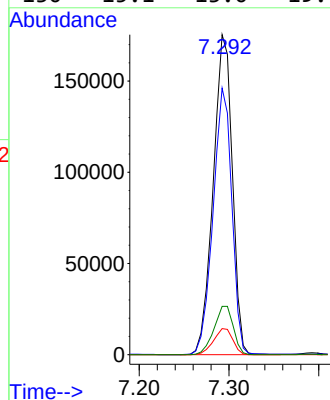
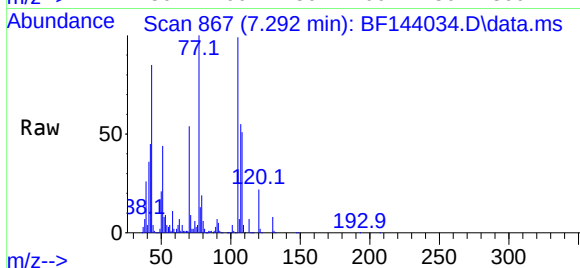
130 15.1 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#20

3+4-Methylphenols

Concen: 42.457 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.012 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:107 Resp: 299684

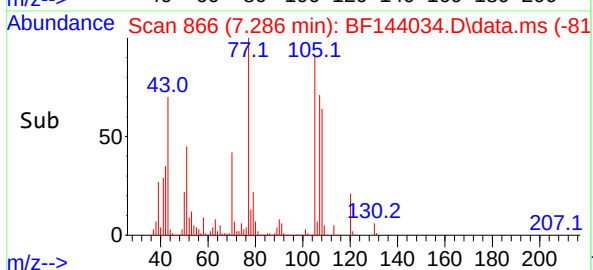
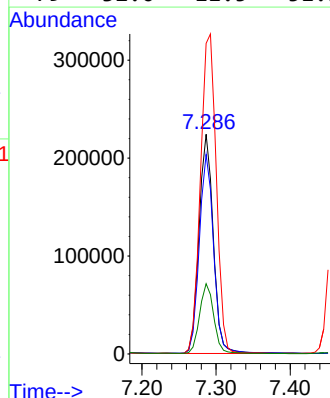
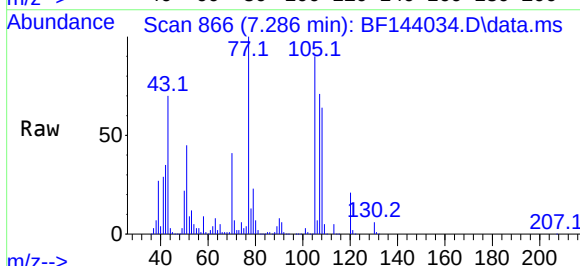
Ion Ratio Lower Upper

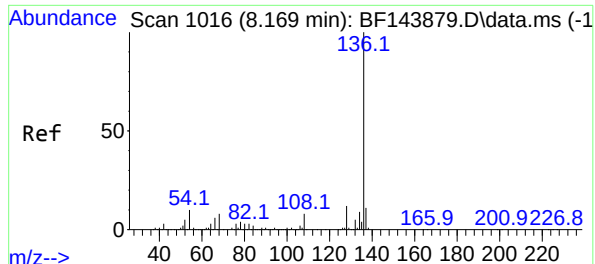
107 100

108 90.8 73.0 113.0

77 141.4 64.6 104.6#

79 32.0 11.5 51.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:136 Resp: 459704

Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 11.5 8.2 12.4

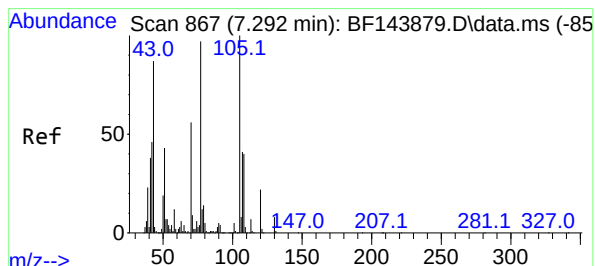
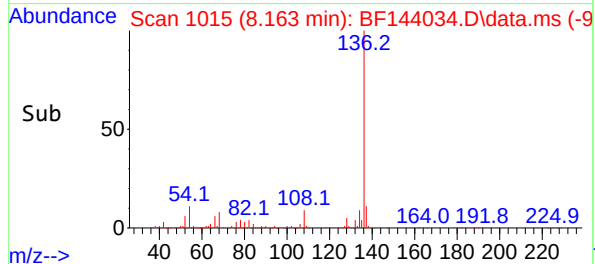
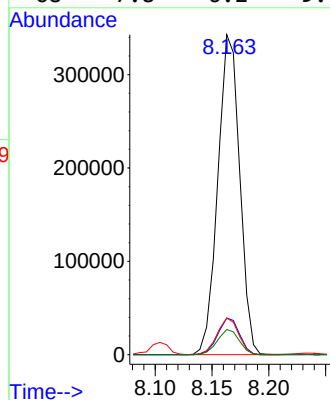
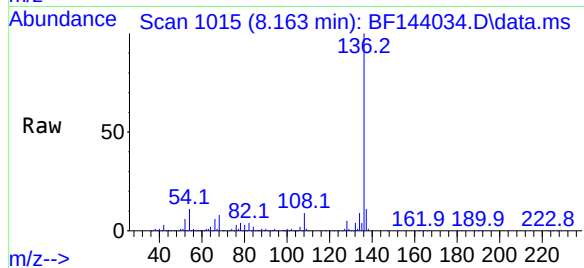
68 7.8 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#22

Acetophenone

Concen: 47.899 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:105 Resp: 465580

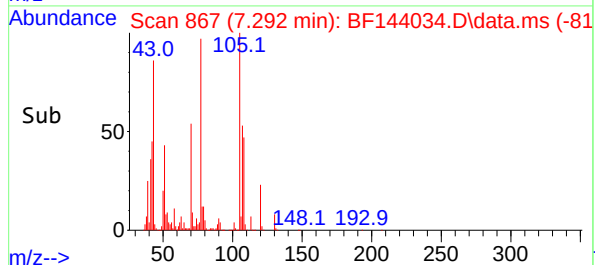
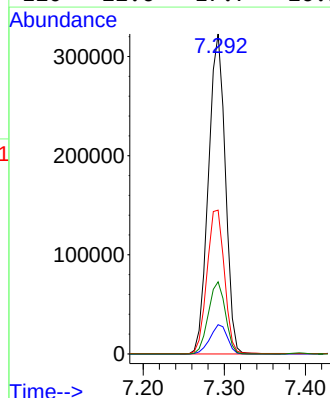
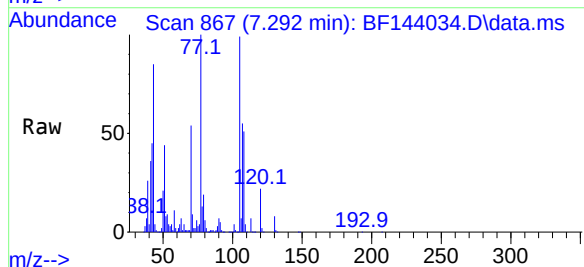
Ion Ratio Lower Upper

105 100

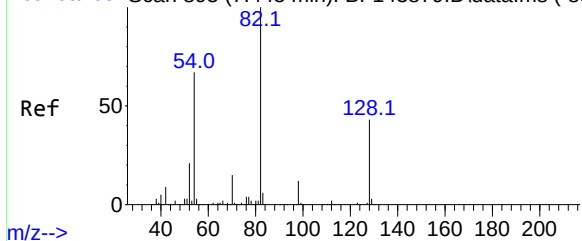
71 9.1 7.4 11.0

51 45.0 34.2 51.4

120 22.6 17.7 26.5



Abundance Scan 893 (7.445 min): BF143879.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 87.083 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion: 82 Resp: 65892

Ion Ratio Lower Upper

82 100

128 42.7 34.0 51.0

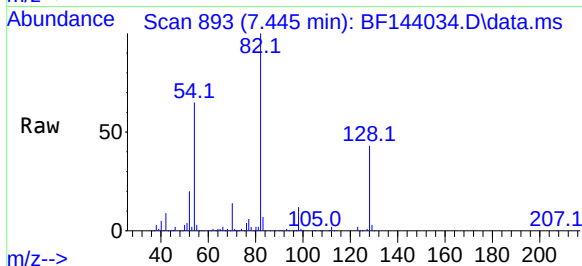
54 64.7 53.2 79.8

Manual Integrations

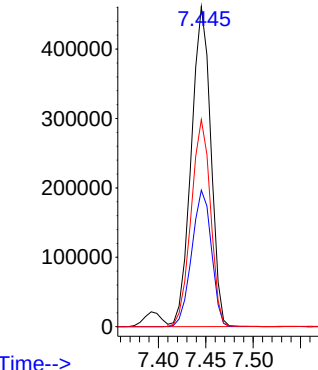
APPROVED

Reviewed By :Rahul Chavli 10/23/2025

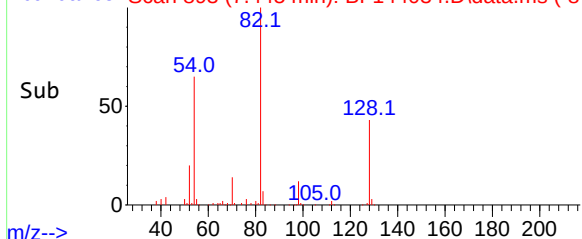
Supervised By :Jagrut Upadhyay 10/23/2025



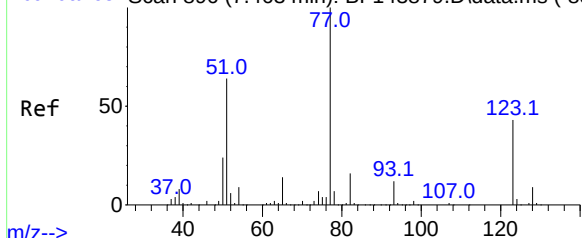
Abundance



Abundance Scan 893 (7.445 min): BF144034.D\data.ms (-84



Abundance Scan 896 (7.463 min): BF143879.D\data.ms (-88



#24

Nitrobenzene

Concen: 45.224 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

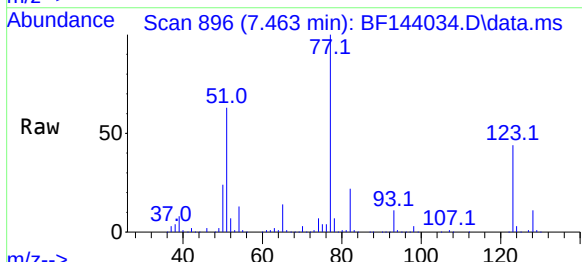
Tgt Ion: 77 Resp: 380006

Ion Ratio Lower Upper

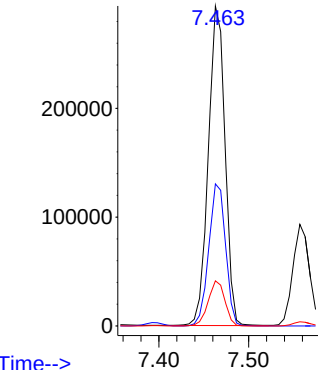
77 100

123 44.4 34.2 51.4

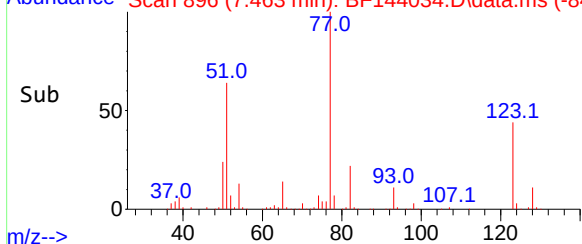
65 14.1 11.0 16.6



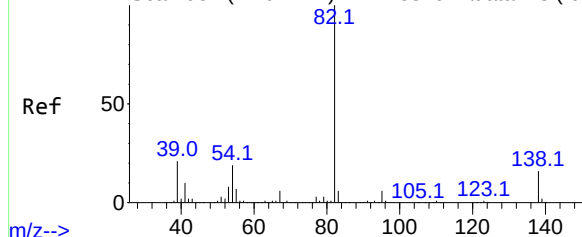
Abundance



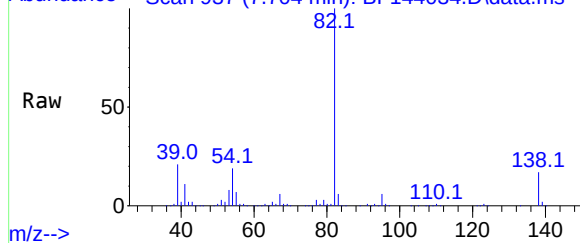
Abundance Scan 896 (7.463 min): BF144034.D\data.ms (-84



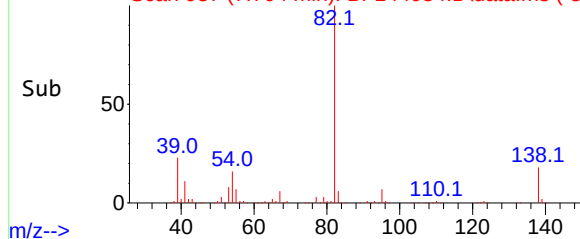
Abundance Scan 937 (7.704 min): BF143879.D\data.ms (-93



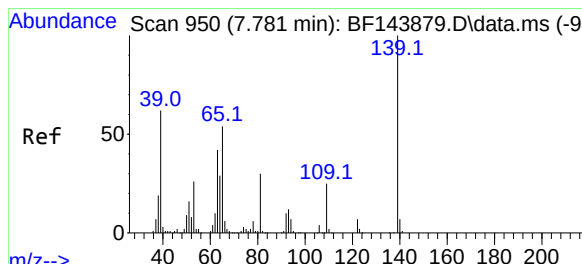
m/z--> Abundance Scan 937 (7.704 min): BF144034.D\data.ms



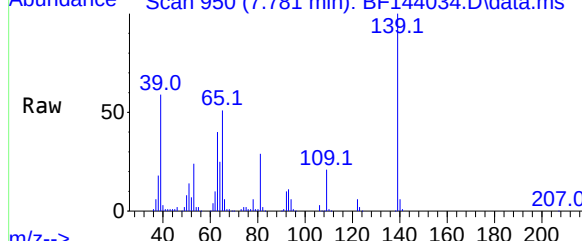
Abundance Scan 937 (7.704 min): BF144034.D\data.ms (-88



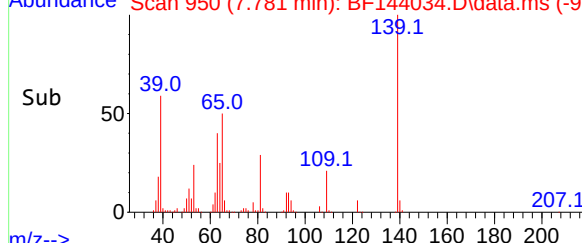
m/z--> Abundance Scan 950 (7.781 min): BF143879.D\data.ms (-94



m/z--> Abundance Scan 950 (7.781 min): BF144034.D\data.ms



Abundance Scan 950 (7.781 min): BF144034.D\data.ms (-90



m/z--> Abundance

#25

Isophorone

Concen: 43.606 ng

RT: 7.704 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion: 82 Resp: 695710

Ion Ratio Lower Upper

82 100

95 6.5 5.1 7.7

138 17.1 12.9 19.3

Instrument :

BNA_F

ClientSampleId :

PB170180BS

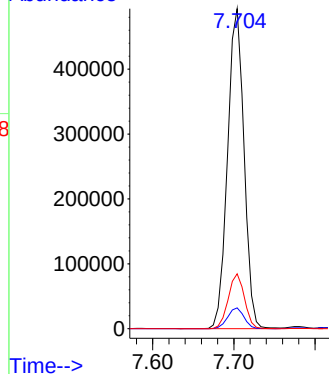
Manual Integrations

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Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

Abundance



#26

2-Nitrophenol

Concen: 53.231 ng

RT: 7.781 min Scan# 950

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:139 Resp: 191765

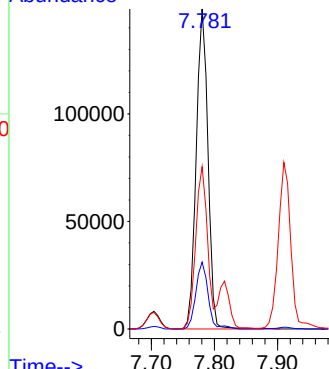
Ion Ratio Lower Upper

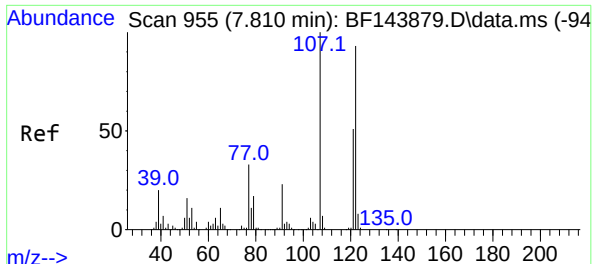
139 100

109 20.9 19.8 29.6

65 50.7 42.9 64.3

Abundance





#27

2,4-Dimethylphenol

Concen: 48.029 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

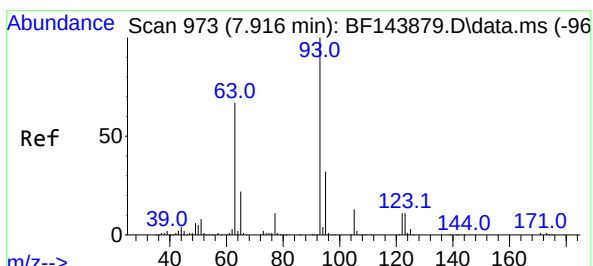
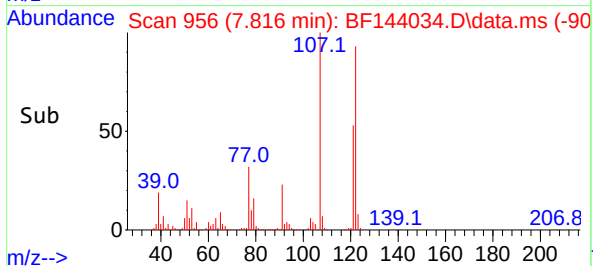
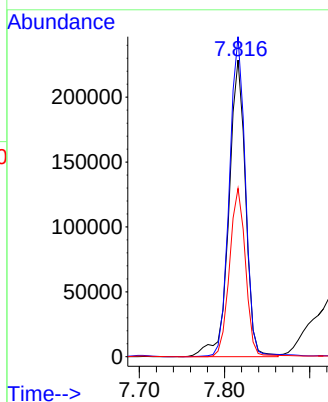
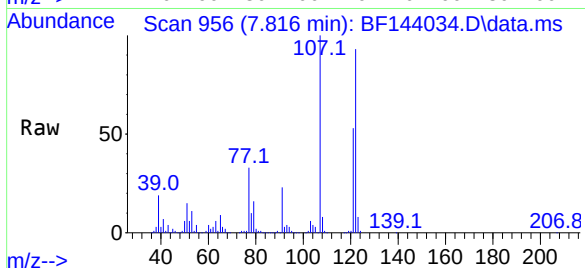
Tgt Ion:122 Resp: 31124

Ion	Ratio	Lower	Upper
122	100		
107	107.9	86.1	129.1
121	56.8	43.8	65.6

Manual Integrations
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Supervised By :Jagrut Upadhyay 10/23/2025



#28

bis(2-Chloroethoxy)methane

Concen: 44.311 ng

RT: 7.910 min Scan# 972

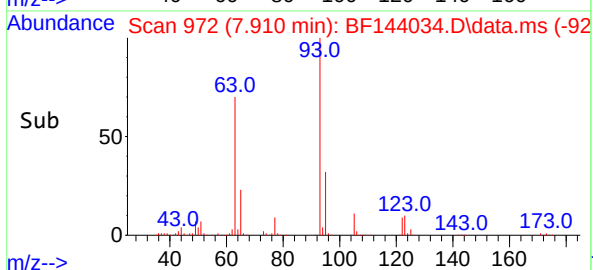
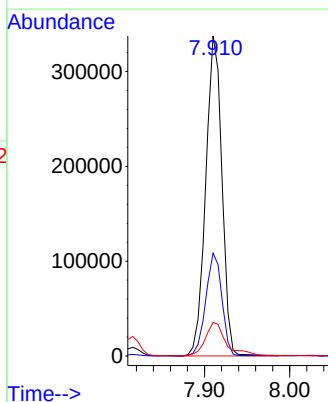
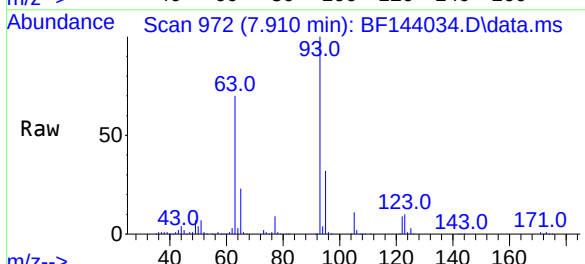
Delta R.T. -0.012 min

Lab File: BF144034.D

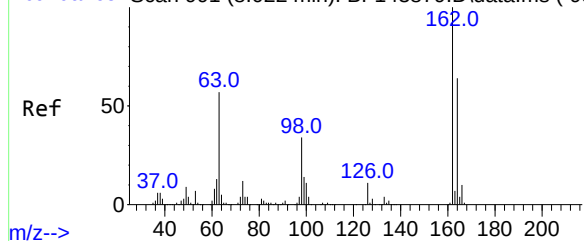
Acq: 22 Oct 2025 11:23

Tgt Ion: 93 Resp: 446575

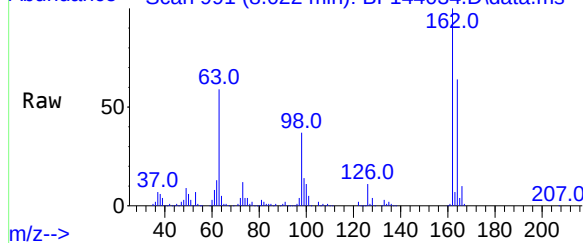
Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.9	38.9
123	10.5	9.4	14.0



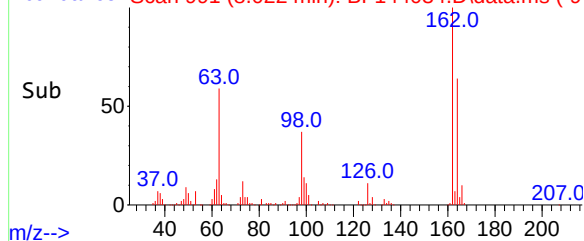
Abundance Scan 991 (8.022 min): BF143879.D\data.ms (-98



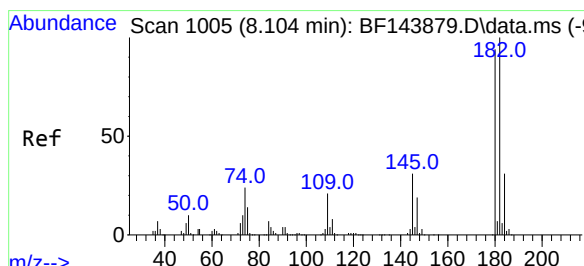
m/z--> Abundance Scan 991 (8.022 min): BF144034.D\data.ms



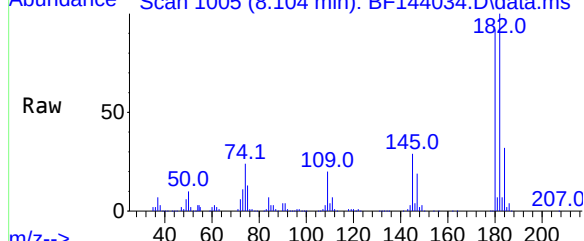
m/z--> Abundance Scan 991 (8.022 min): BF144034.D\data.ms (-94



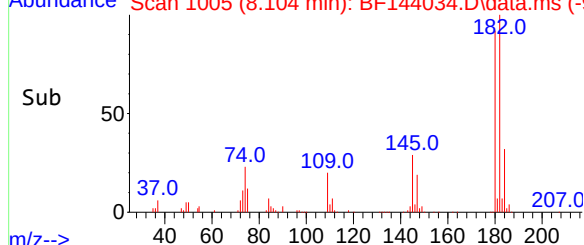
m/z--> Abundance Scan 1005 (8.104 min): BF143879.D\data.ms (-9



m/z--> Abundance Scan 1005 (8.104 min): BF144034.D\data.ms



m/z--> Abundance Scan 1005 (8.104 min): BF144034.D\data.ms (-9



m/z--> Abundance Scan 1005 (8.104 min): BF144034.D\data.ms (-9

#29

2,4-Dichlorophenol

Concen: 43.509 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:162 Resp: 293698

Ion Ratio Lower Upper

162 100

164 63.7 43.9 83.9

98 36.7 14.4 54.4

Instrument :

BNA_F

ClientSampleId :

PB170180BS

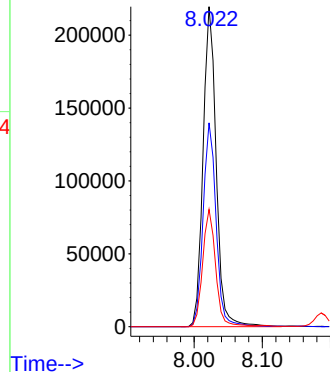
Manual Integrations

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Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

Abundance



Time-->

#30

1,2,4-Trichlorobenzene

Concen: 45.212 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:180 Resp: 300150

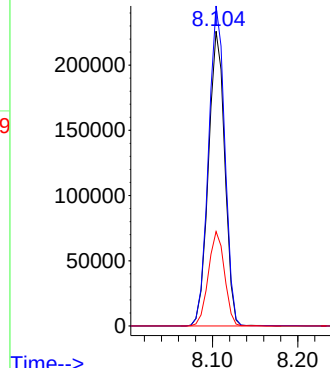
Ion Ratio Lower Upper

180 100

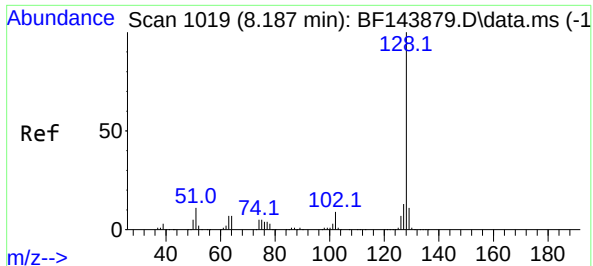
182 108.6 85.4 128.0

145 32.0 26.3 39.5

Abundance



Time-->



#31

Naphthalene

Concen: 43.074 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:128 Resp: 90075

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

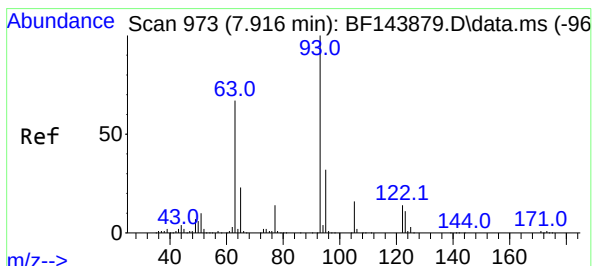
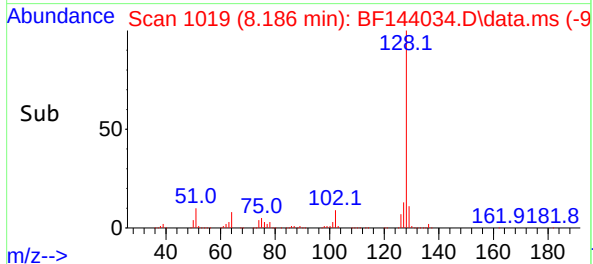
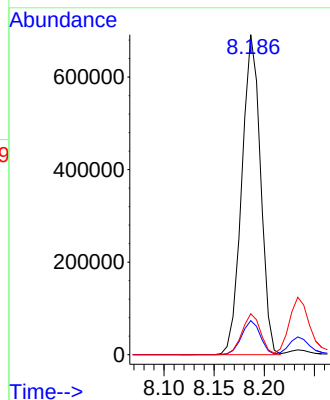
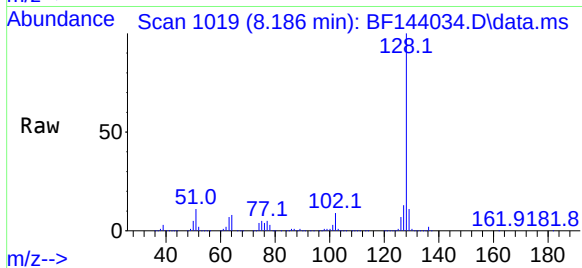
127 12.8 10.0 15.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#32

Benzoic acid

Concen: 46.887 ng

RT: 7.945 min Scan# 978

Delta R.T. -0.018 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

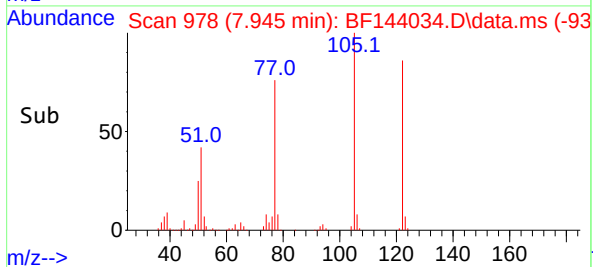
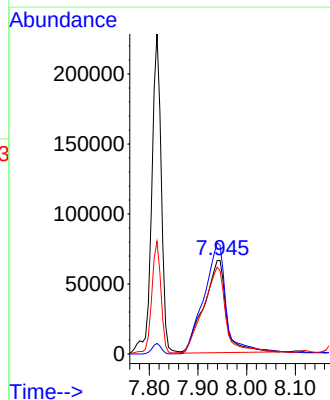
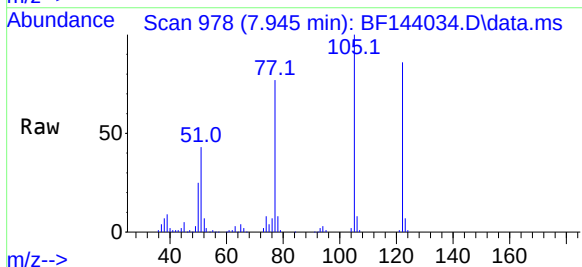
Tgt Ion:122 Resp: 210289

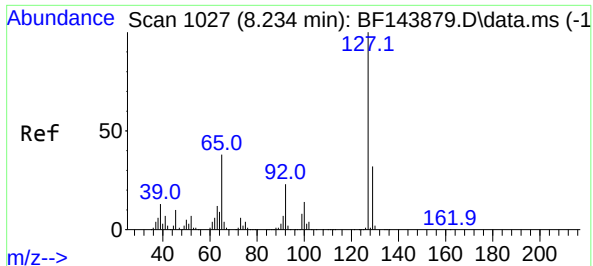
Ion Ratio Lower Upper

122 100

105 116.2 93.5 133.5

77 89.2 76.3 116.3





#33

4-Chloroaniline

Concen: 23.505 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:127 Resp: 18434

Ion Ratio Lower Upper

127 100

129 31.0 25.8 38.8

65 36.2 30.0 45.0

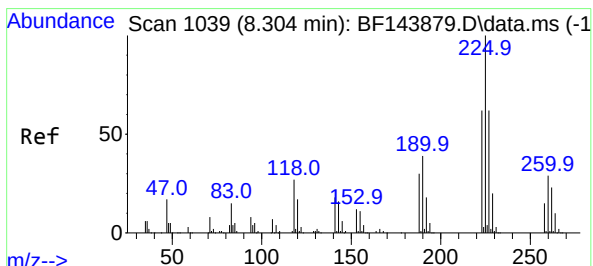
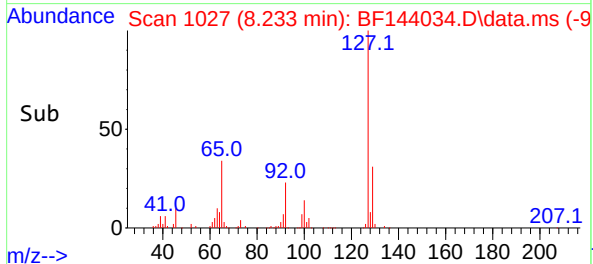
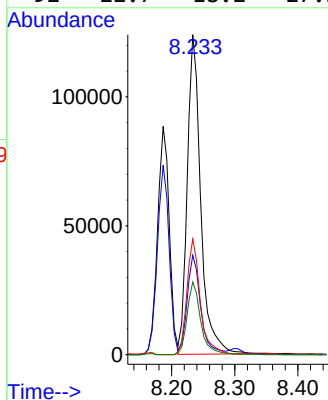
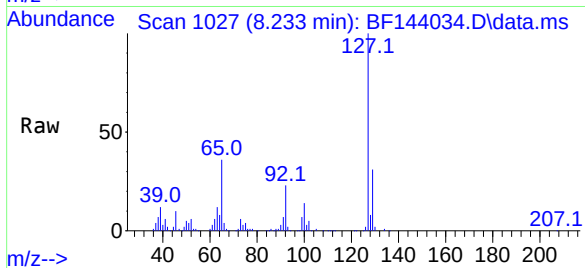
92 22.7 18.2 27.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/23/2025



#34

Hexachlorobutadiene

Concen: 43.672 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

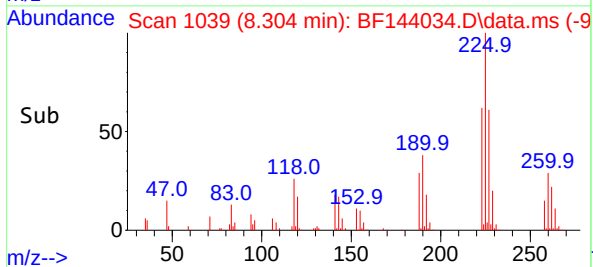
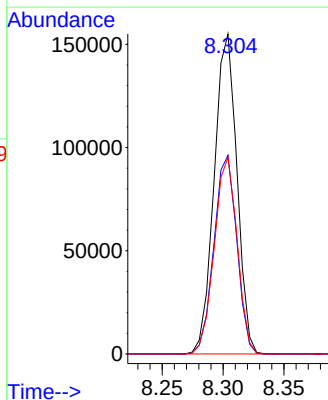
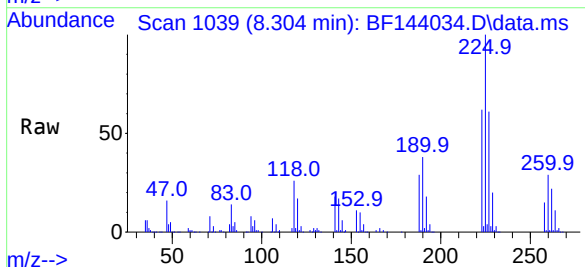
Tgt Ion:225 Resp: 201469

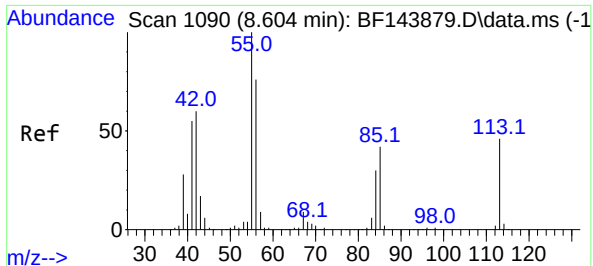
Ion Ratio Lower Upper

225 100

223 62.1 49.4 74.2

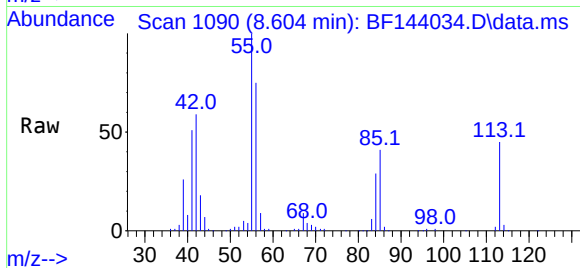
227 61.5 49.7 74.5





#35
Caprolactam
Concen: 45.773 ng m
RT: 8.604 min Scan# 1090
Delta R.T. -0.041 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

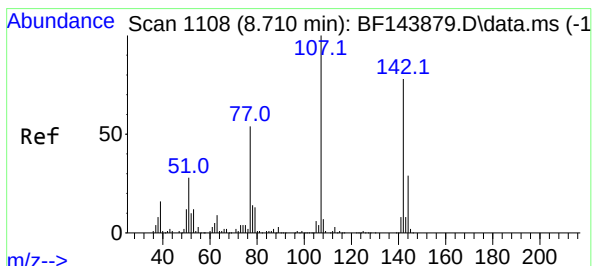
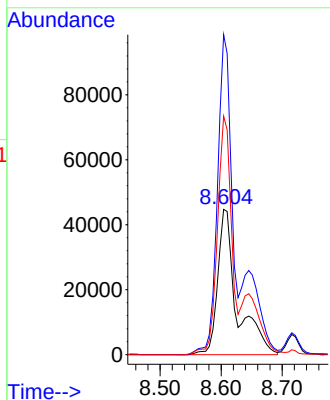
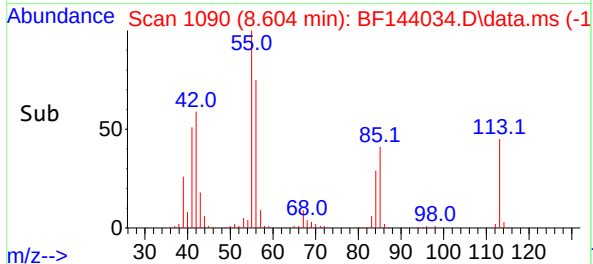
Instrument :
BNA_F
ClientSampleId :
PB170180BS



Tgt Ion:113 Resp: 9824
Ion Ratio Lower Upper
113 100
55 220.2 199.6 239.6
56 164.1 146.0 186.0

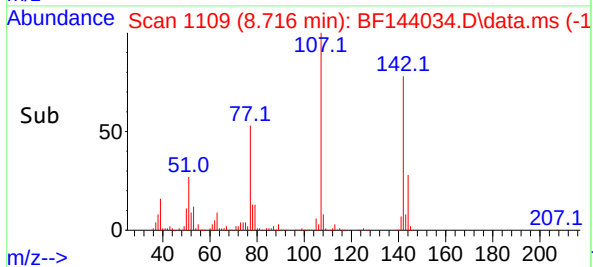
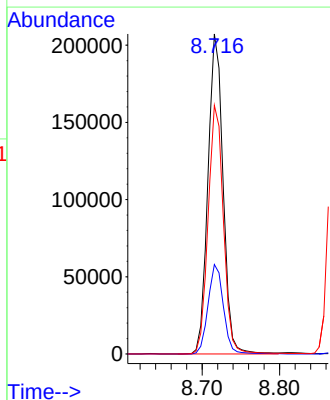
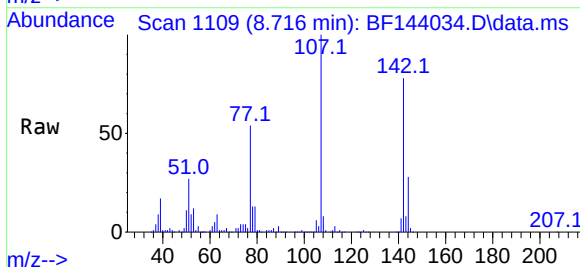
Manual Integrations
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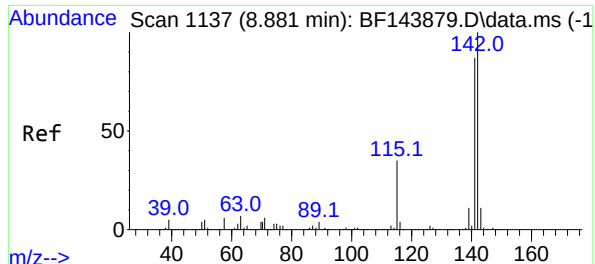
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#36
4-Chloro-3-methylphenol
Concen: 43.358 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:107 Resp: 281138
Ion Ratio Lower Upper
107 100
144 28.0 23.1 34.7
142 77.7 62.6 94.0





#37

2-Methylnaphthalene

Concen: 39.734 ng

RT: 8.880 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:142 Resp: 55348

Ion Ratio Lower Upper

142 100

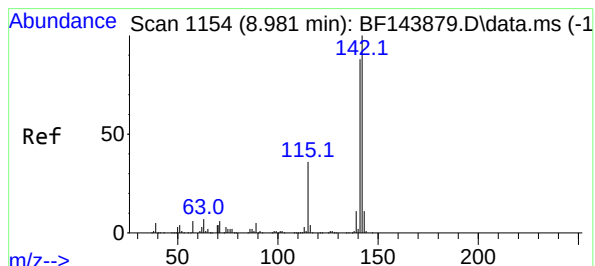
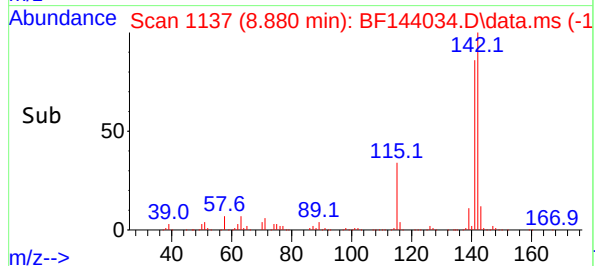
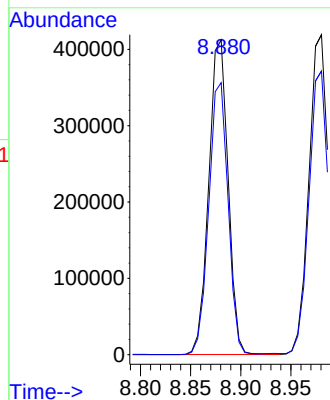
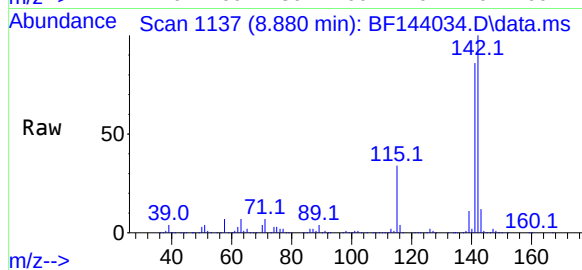
141 86.4 69.2 103.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#38

1-Methylnaphthalene

Concen: 41.537 ng

RT: 8.980 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF144034.D

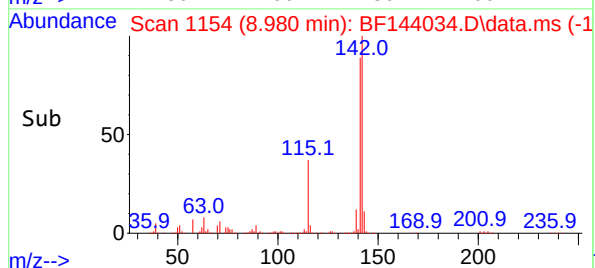
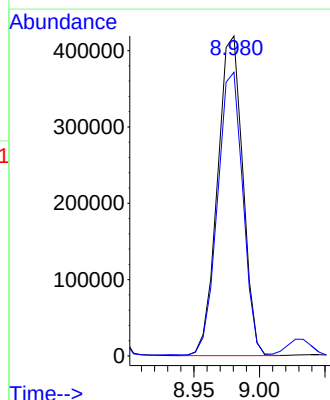
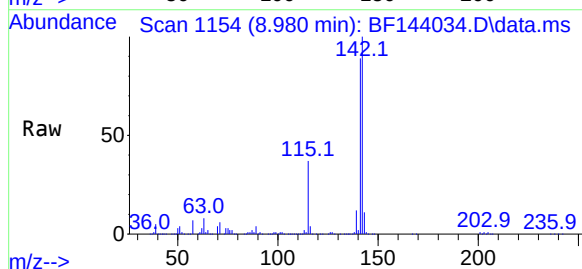
Acq: 22 Oct 2025 11:23

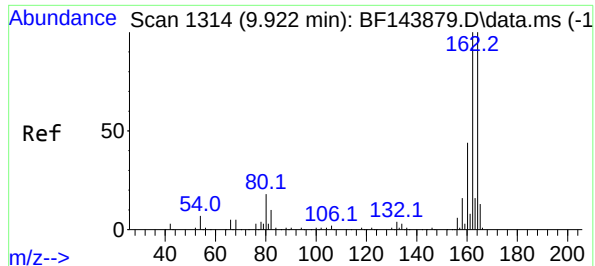
Tgt Ion:142 Resp: 561229

Ion Ratio Lower Upper

142 100

141 88.7 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:164 Resp: 246572

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.2

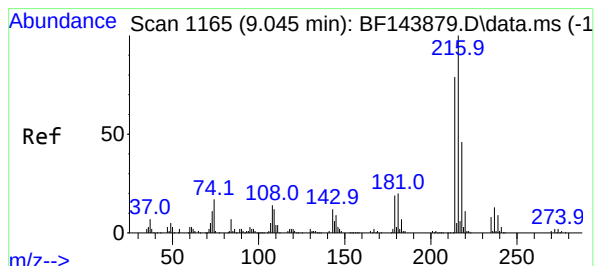
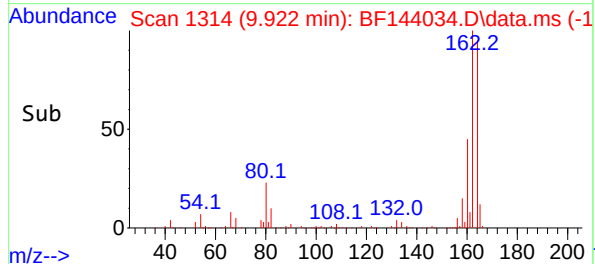
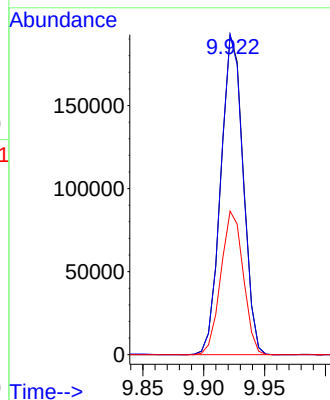
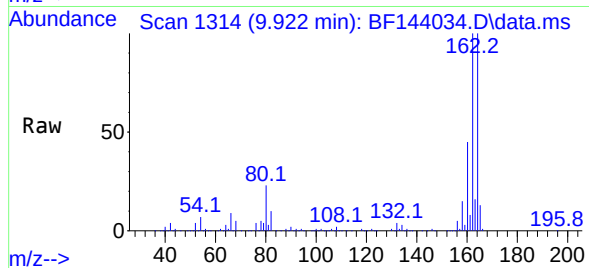
160 44.8 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.997 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:216 Resp: 327097

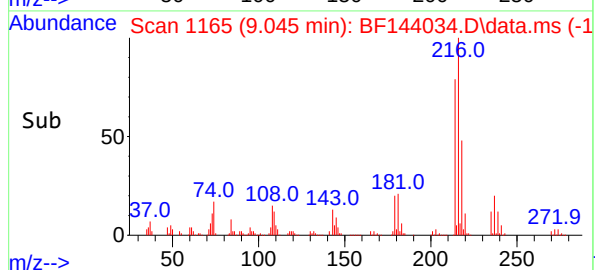
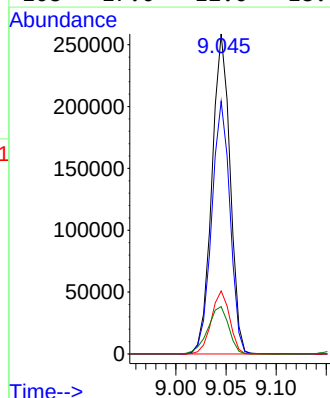
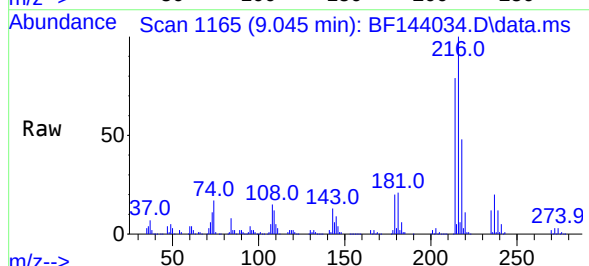
Ion Ratio Lower Upper

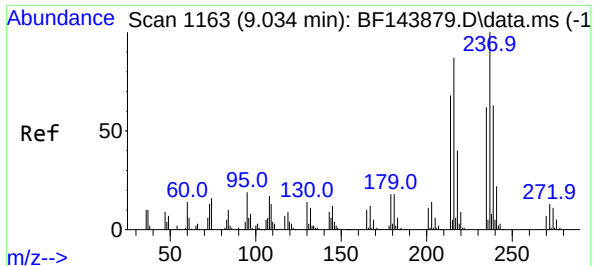
216 100

214 79.3 62.6 94.0

179 19.8 15.4 23.0

108 17.0 12.0 18.0





#41

Hexachlorocyclopentadiene

Concen: 99.056 ng

RT: 9.033 min Scan# 1163

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:237 Resp: 28005

Ion Ratio Lower Upper

237 100

235 62.1 42.3 82.3

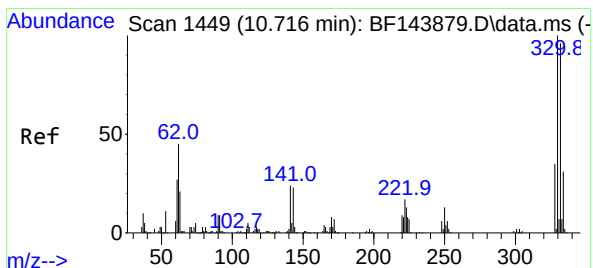
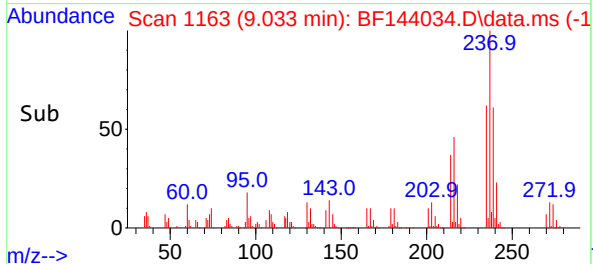
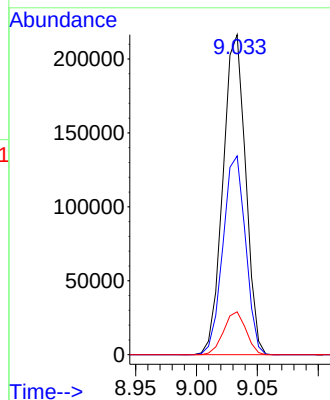
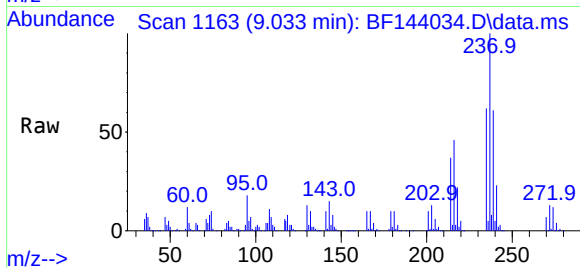
272 13.4 0.0 33.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#42

2,4,6-Tribromophenol

Concen: 126.987 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

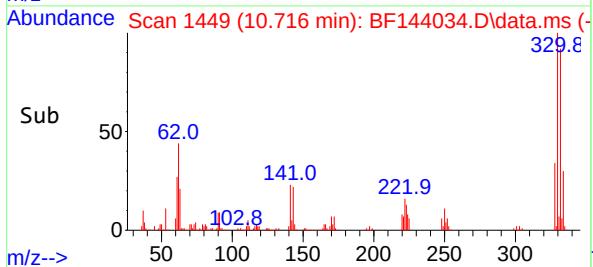
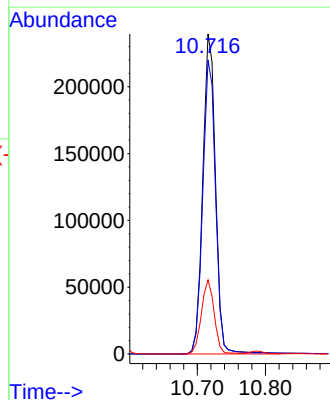
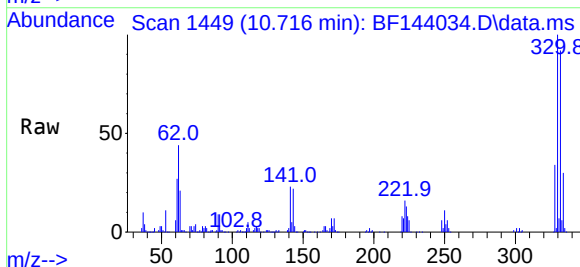
Tgt Ion:330 Resp: 311869

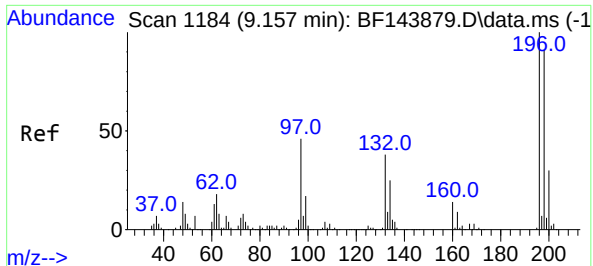
Ion Ratio Lower Upper

330 100

332 92.5 76.9 115.3

141 23.2 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 44.535 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:196 Resp: 22175

Ion Ratio Lower Upper

196 100

198 92.6 72.8 109.2

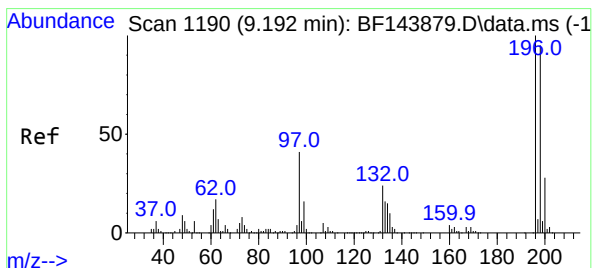
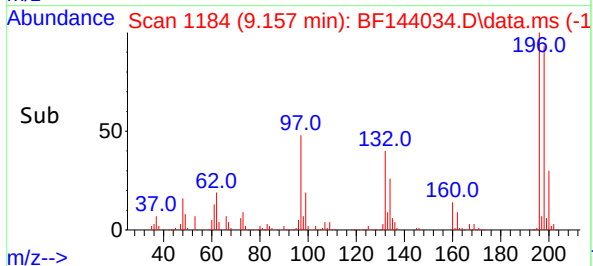
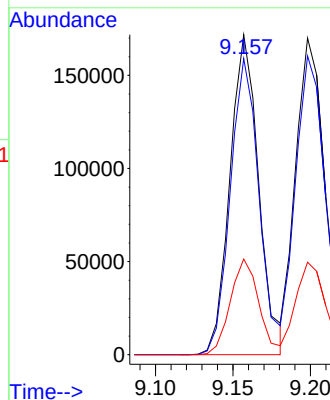
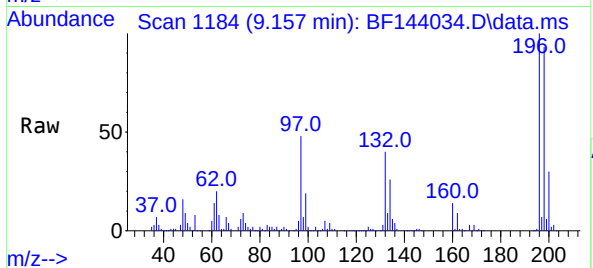
200 29.9 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#44

2,4,5-Trichlorophenol

Concen: 43.543 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:196 Resp: 229126

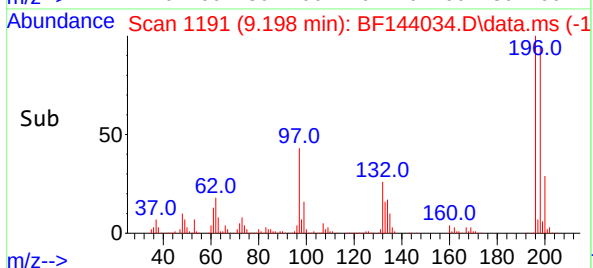
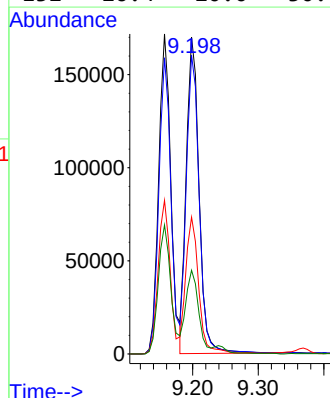
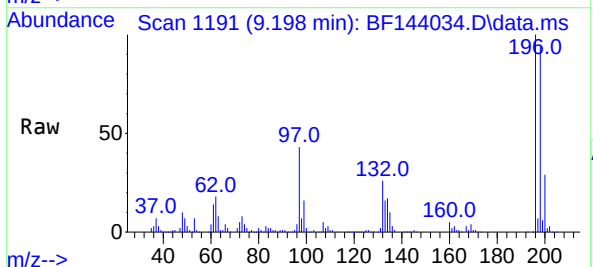
Ion Ratio Lower Upper

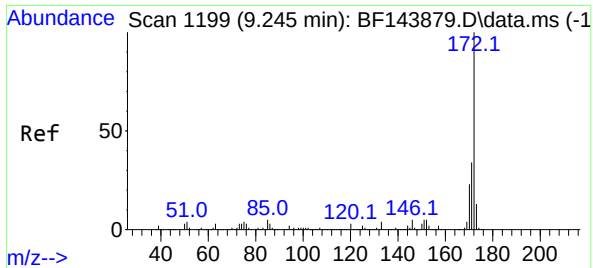
196 100

198 94.4 75.5 113.3

97 43.2 33.9 50.9

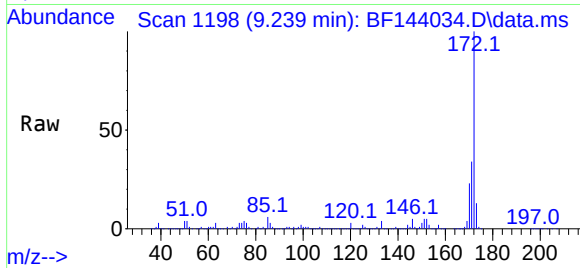
132 26.4 20.0 30.0





#45
2-Fluorobiphenyl
Concen: 79.576 ng
RT: 9.239 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

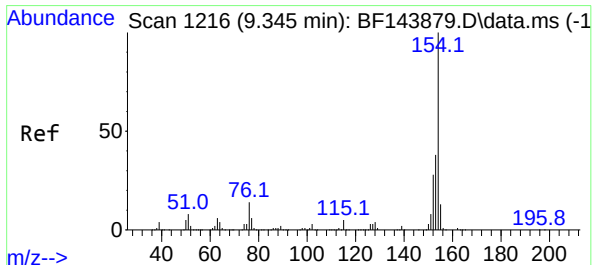
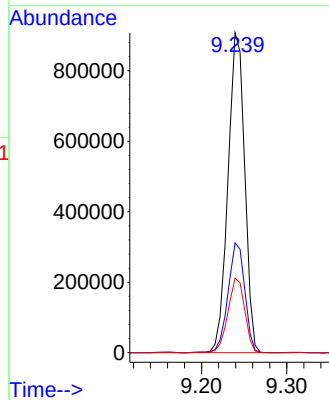
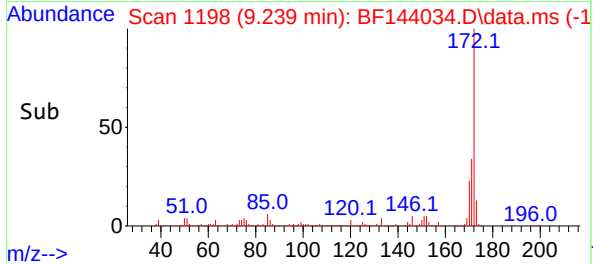
Instrument :
BNA_F
ClientSampleId :
PB170180BS



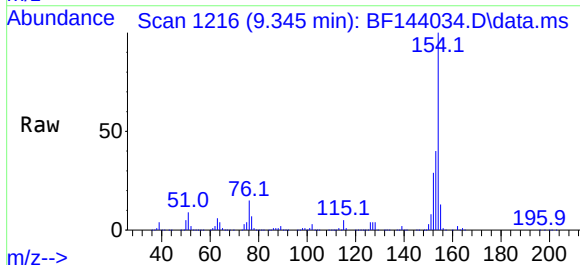
Tgt Ion:172 Resp: 123657
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.0
170 23.3 18.6 28.0

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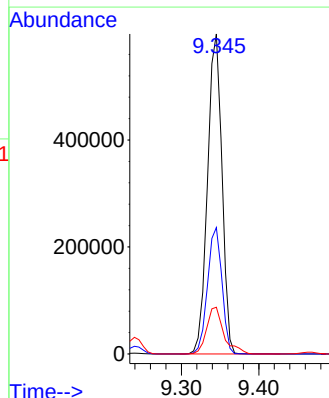
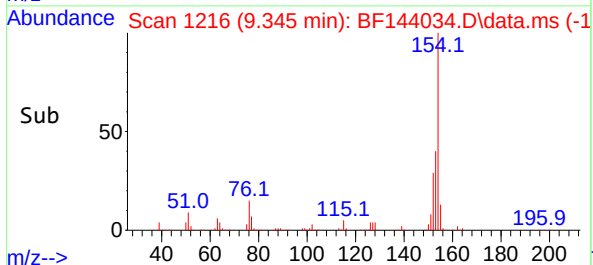
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

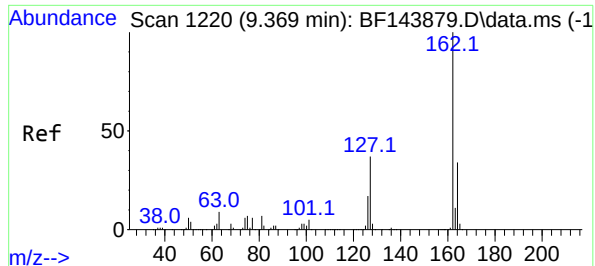


#46
1,1'-Biphenyl
Concen: 47.382 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23



Tgt Ion:154 Resp: 773525
Ion Ratio Lower Upper
154 100
153 39.5 18.4 58.4
76 14.6 0.0 34.0





#47

2-Chloronaphthalene

Concen: 44.221 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

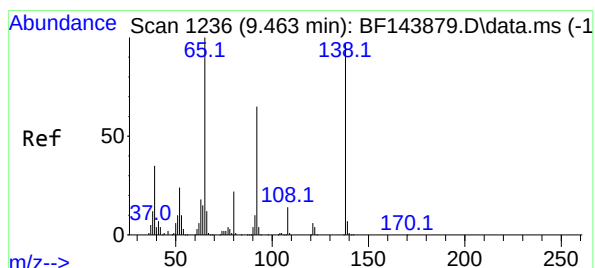
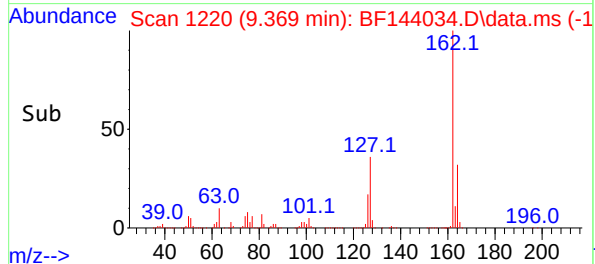
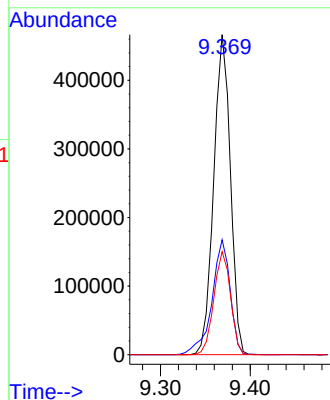
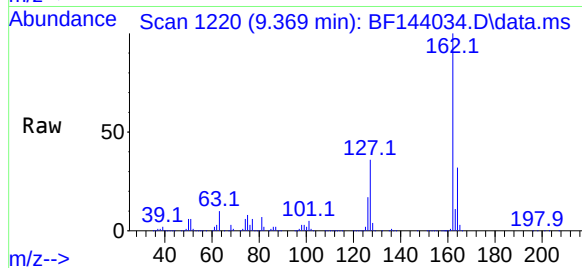
PB170180BS

Tgt Ion:	162	Resp:	60190
Ion Ratio	Lower	Upper	
162	100		
127	35.9	30.2	45.2
164	32.2	26.9	40.3

Manual Integrations
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Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#48

2-Nitroaniline

Concen: 48.439 ng

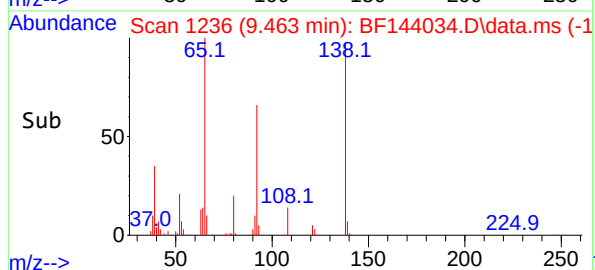
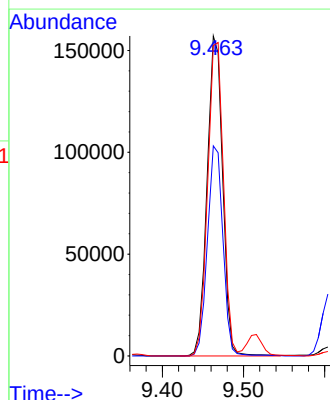
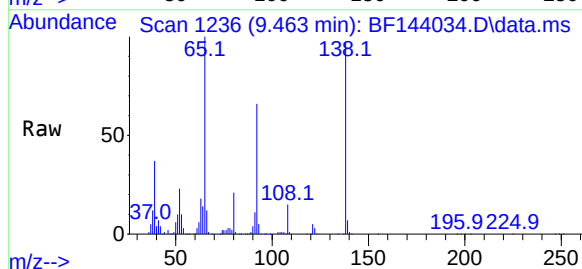
RT: 9.463 min Scan# 1236

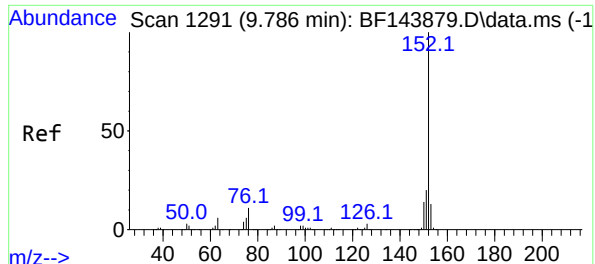
Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:	65	Resp:	208448
Ion Ratio	Lower	Upper	
65	100		
92	65.6	52.1	78.1
138	97.0	77.4	116.2





#49

Acenaphthylene

Concen: 49.554 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:152 Resp: 94824

Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.6

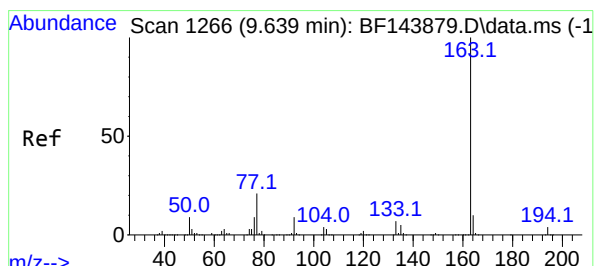
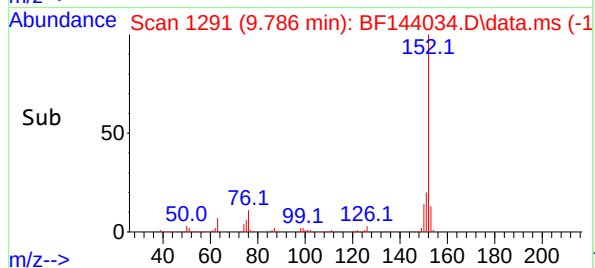
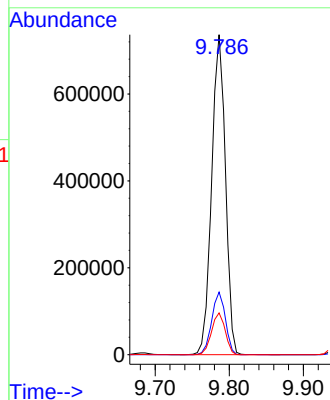
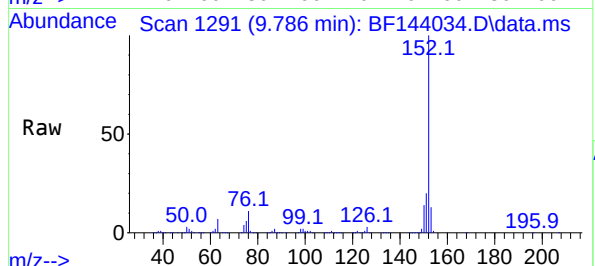
153 13.0 10.5 15.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#50

Dimethylphthalate

Concen: 44.420 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

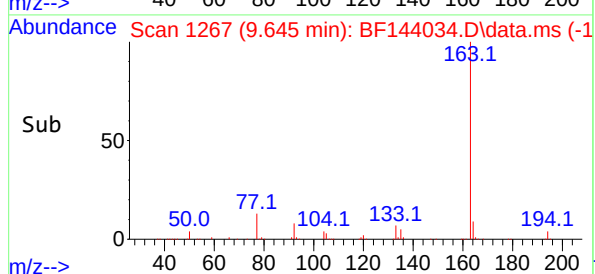
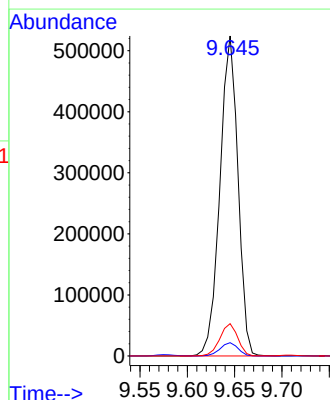
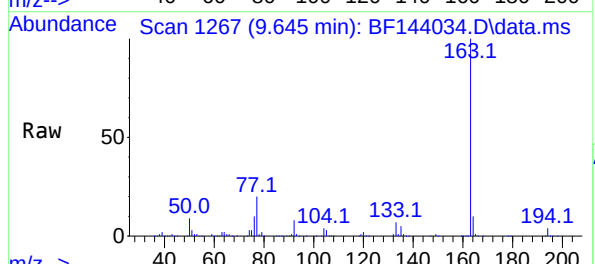
Tgt Ion:163 Resp: 695536

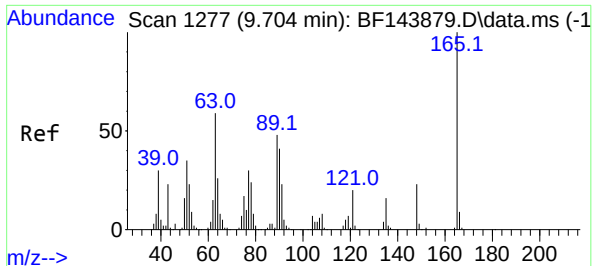
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.1 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 52.872 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

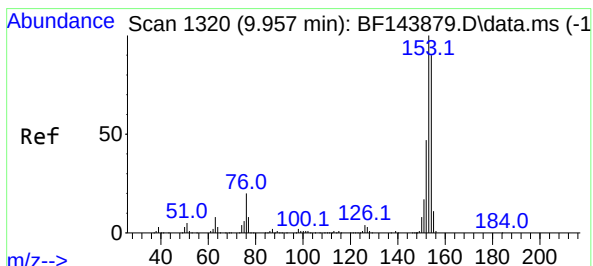
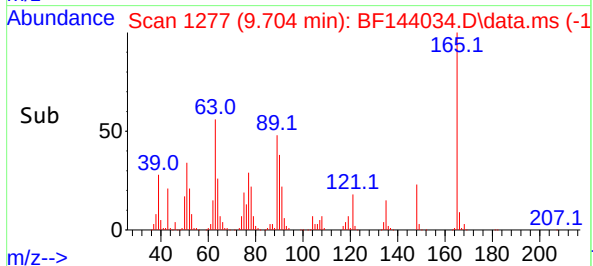
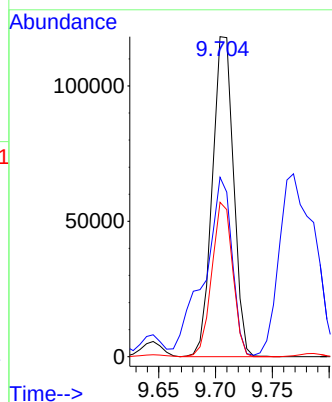
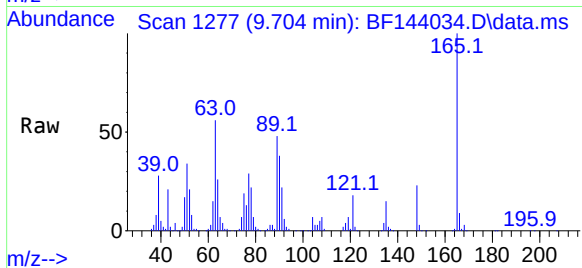
ClientSampleId :

PB170180BS

Tgt Ion	Ratio	Lower	Upper
165	100		
63	56.0	47.3	70.9
89	48.3	38.2	57.4

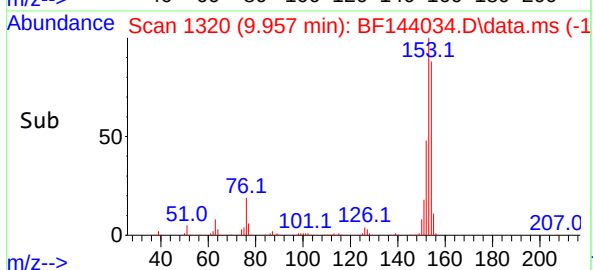
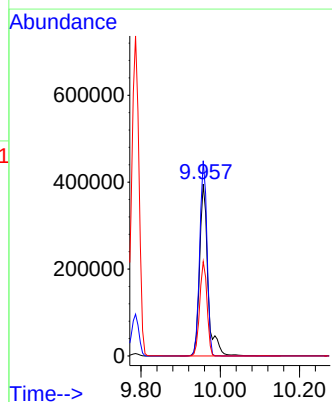
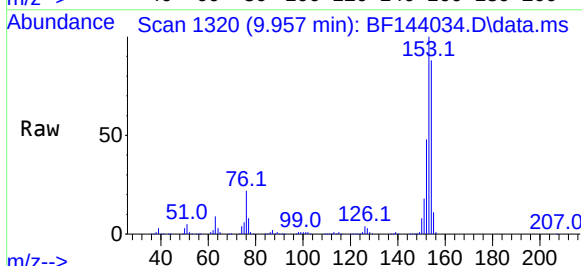
Manual Integrations
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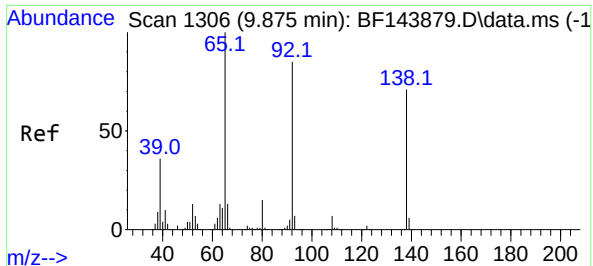
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#52
Acenaphthene
Concen: 45.911 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.3	133.9
152	54.8	42.2	63.2





#53

3-Nitroaniline

Concen: 32.221 ng

RT: 9.875 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:138 Resp: 11455

Ion Ratio Lower Upper

138 100

108 10.4 8.3 12.5

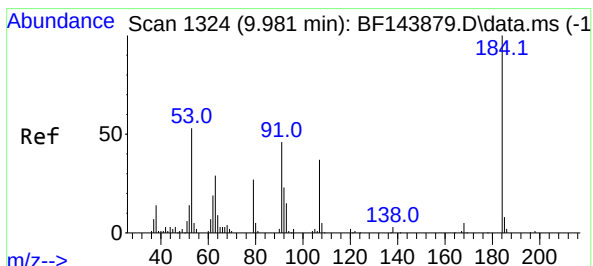
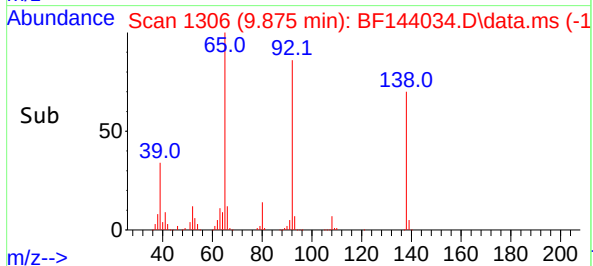
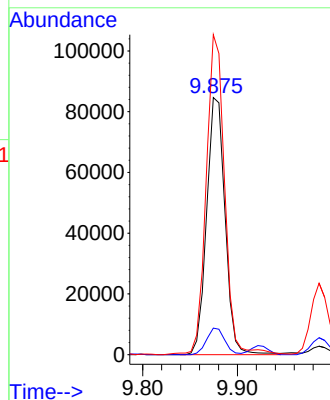
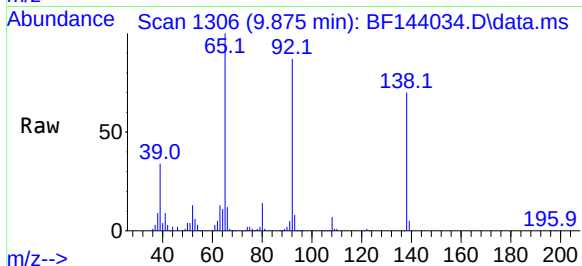
92 124.5 96.2 144.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#54

2,4-Dinitrophenol

Concen: 78.686 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

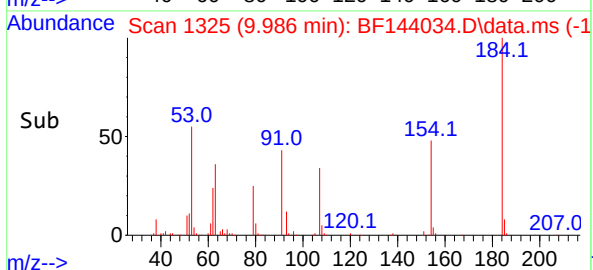
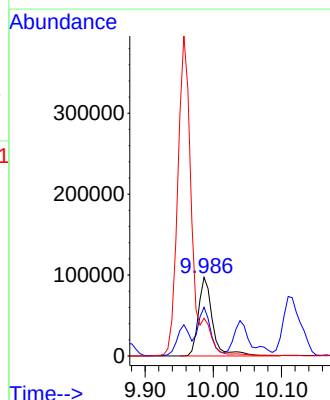
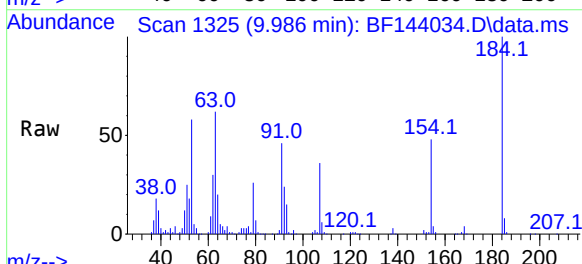
Tgt Ion:184 Resp: 140703

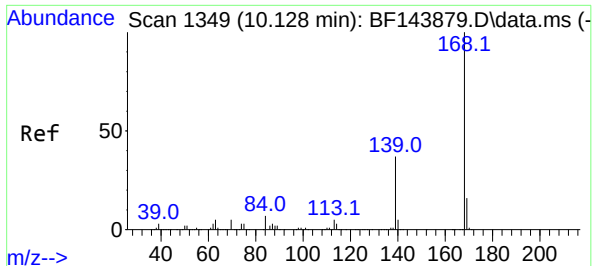
Ion Ratio Lower Upper

184 100

63 62.0 48.2 72.4

154 47.9 49.2 73.8#





#55

Dibenzofuran

Concen: 43.513 ng

RT: 10.127 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:168 Resp: 770168

Ion Ratio Lower Upper

168 100

139 37.1 29.8 44.8

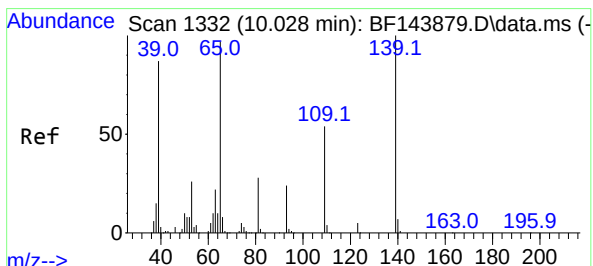
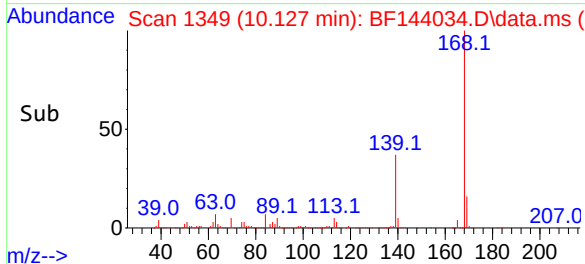
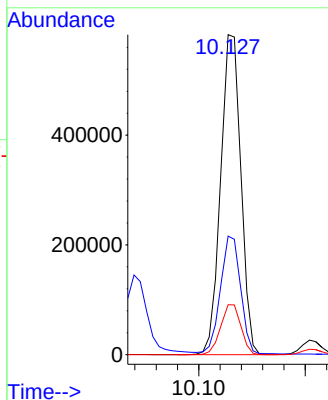
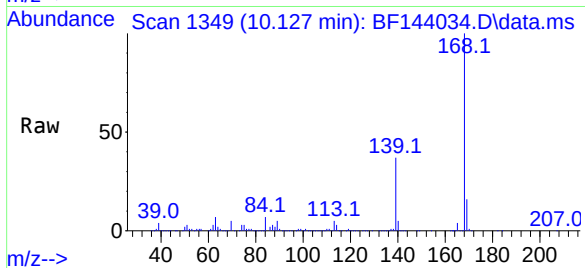
169 15.6 12.8 19.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#56

4-Nitrophenol

Concen: 79.453 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

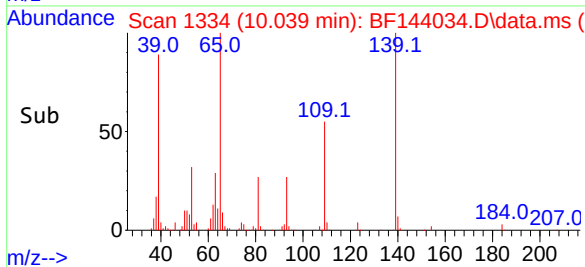
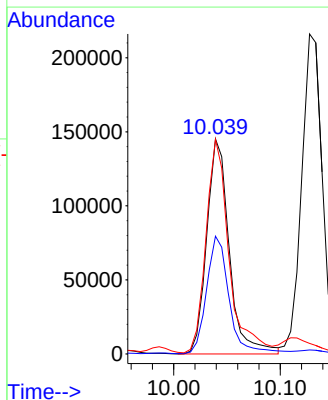
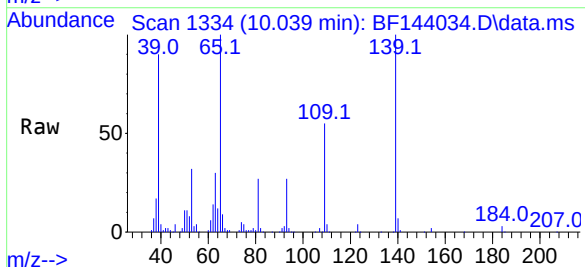
Tgt Ion:139 Resp: 213879

Ion Ratio Lower Upper

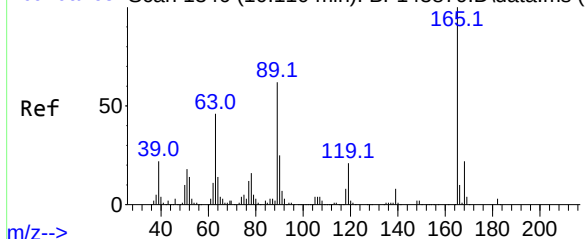
139 100

109 54.8 34.5 74.5

65 99.9 77.6 117.6



Abundance Scan 1346 (10.110 min): BF143879.D\data.ms (-



#57
2,4-Dinitrotoluene
Concen: 51.399 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

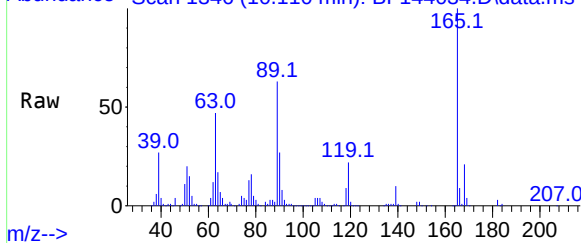
Instrument :

BNA_F

ClientSampleId :

PB170180BS

Abundance Scan 1346 (10.110 min): BF144034.D\data.ms



Tgt Ion:165 Resp: 203059
Ion Ratio Lower Upper
165 100
63 47.3 37.2 55.8
89 63.0 49.4 74.2
182 2.6 2.1 3.1

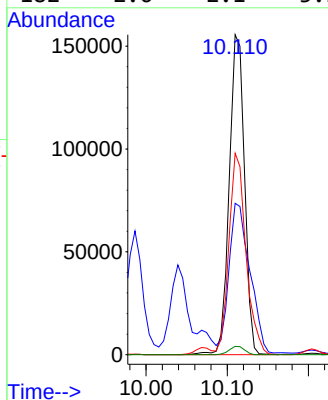
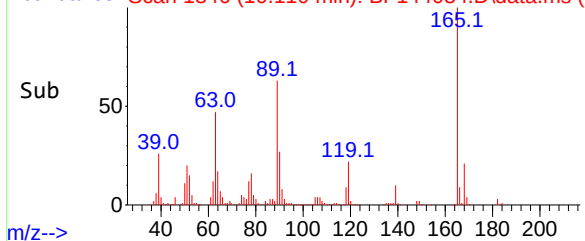
Manual Integrations

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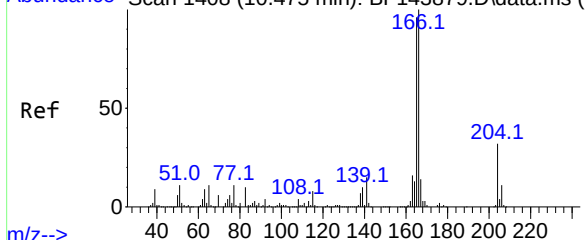
Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

Abundance Scan 1346 (10.110 min): BF144034.D\data.ms (-

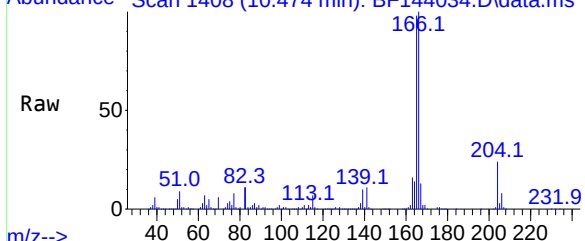


Abundance Scan 1408 (10.475 min): BF143879.D\data.ms (-



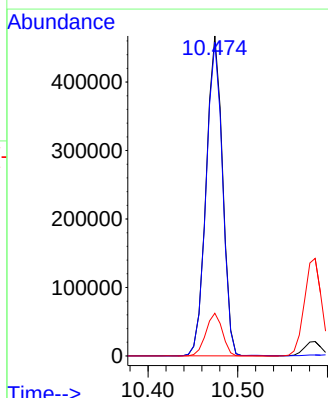
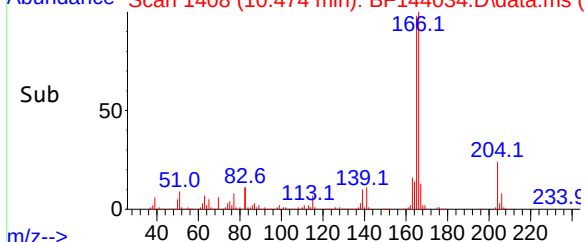
#58
Fluorene
Concen: 44.357 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

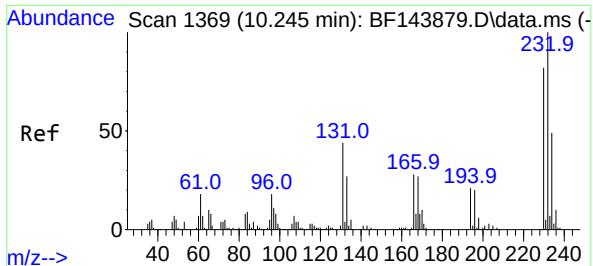
Abundance Scan 1408 (10.474 min): BF144034.D\data.ms



Tgt Ion:166 Resp: 592420
Ion Ratio Lower Upper
166 100
165 98.0 77.0 115.6
167 13.4 11.1 16.7

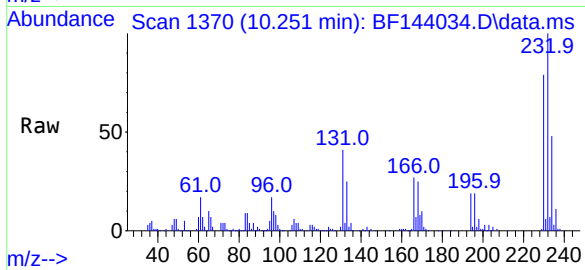
Abundance Scan 1408 (10.474 min): BF144034.D\data.ms (-





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.739 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

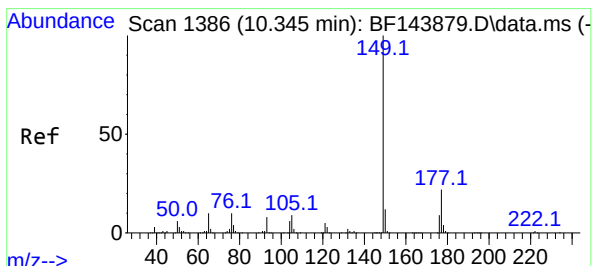
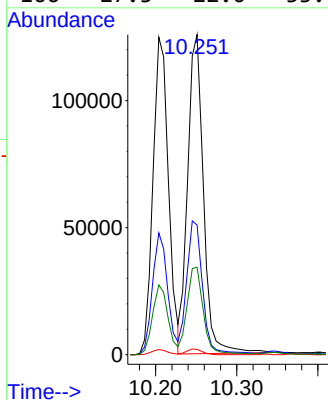
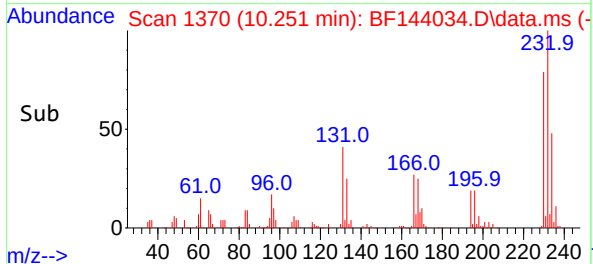
Instrument :
BNA_F
ClientSampleId :
PB170180BS



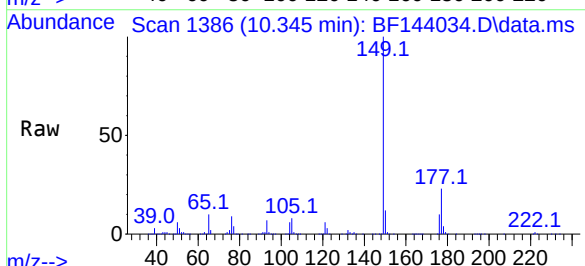
Tgt Ion:232 Resp: 17037
Ion Ratio Lower Upper
232 100
131 42.0 34.9 52.3
130 1.7 1.6 2.4
166 27.3 22.0 33.0

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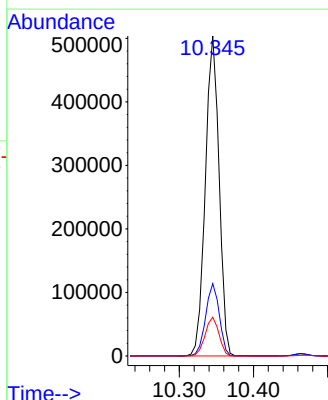
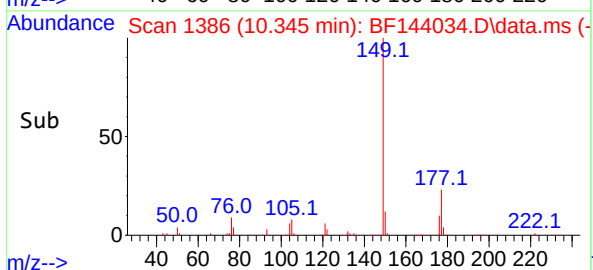
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



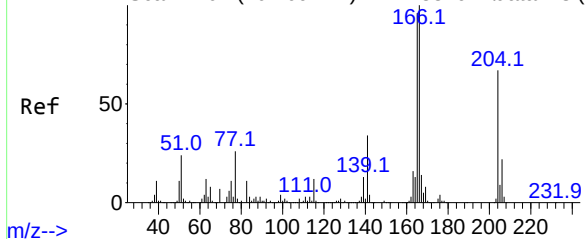
#60
Diethylphthalate
Concen: 44.534 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23



Tgt Ion:149 Resp: 647831
Ion Ratio Lower Upper
149 100
177 22.6 17.9 26.9
150 12.1 9.8 14.8



Abundance Scan 1407 (10.469 min): BF143879.D\data.ms (-



#61
4-Chlorophenyl-phenylether
Concen: 44.073 ng
RT: 10.463 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

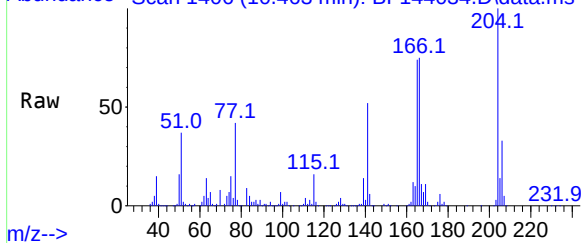
Instrument :

BNA_F

ClientSampleId :

PB170180BS

Abundance Scan 1406 (10.463 min): BF144034.D\data.ms (-

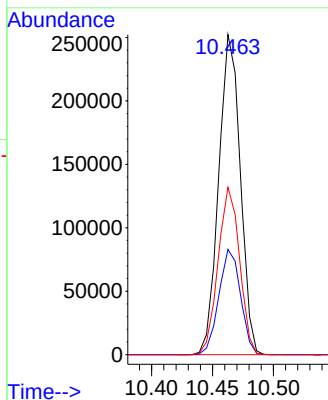
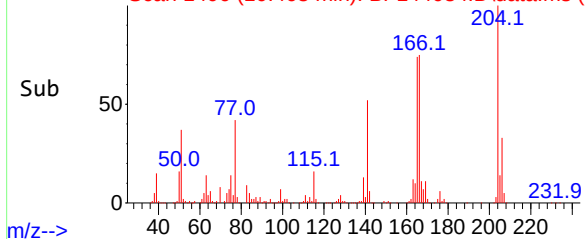


Tgt Ion:204 Resp: 31120
Ion Ratio Lower Upper
204 100
206 32.9 26.6 40.0
141 52.3 40.4 60.6

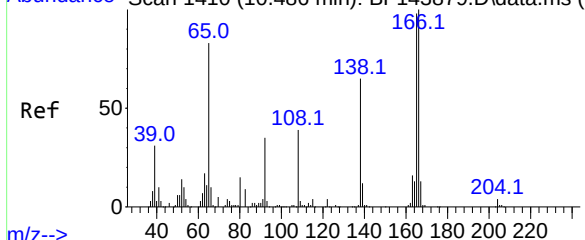
Manual Integrations
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Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

Abundance Scan 1406 (10.463 min): BF144034.D\data.ms (-



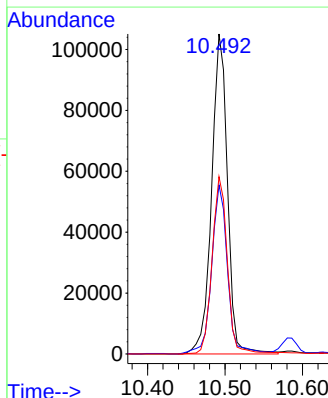
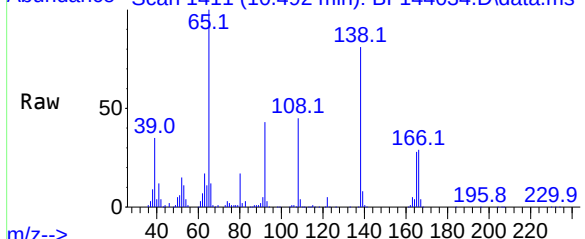
Abundance Scan 1410 (10.486 min): BF143879.D\data.ms (-



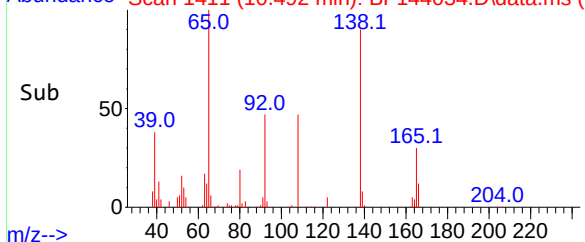
#62
4-Nitroaniline
Concen: 43.698 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.018 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:138 Resp: 149396
Ion Ratio Lower Upper
138 100
92 52.8 33.9 73.9
108 55.4 40.2 80.2

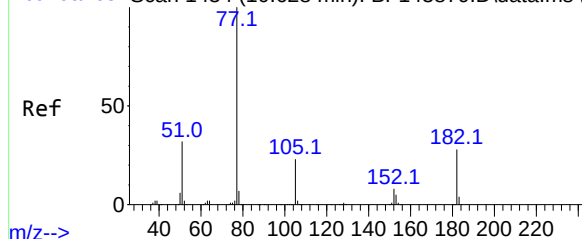
Abundance Scan 1411 (10.492 min): BF144034.D\data.ms (-



Abundance Scan 1411 (10.492 min): BF144034.D\data.ms (-



Abundance Scan 1434 (10.628 min): BF143879.D\data.ms (-



#63
Azobenzene
Concen: 45.371 ng
RT: 10.627 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

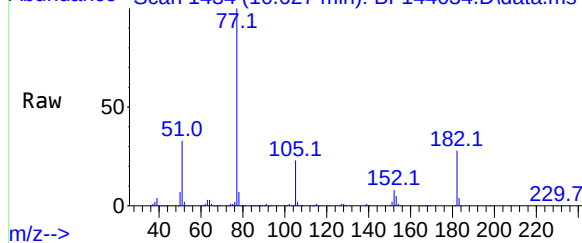
Instrument :

BNA_F

ClientSampleId :

PB170180BS

Abundance Scan 1434 (10.627 min): BF144034.D\data.ms



Tgt Ion: 77 Resp: 68978
Ion Ratio Lower Upper
77 100
182 27.7 7.3 47.3
105 23.4 3.0 43.0
51 33.4 13.5 53.5

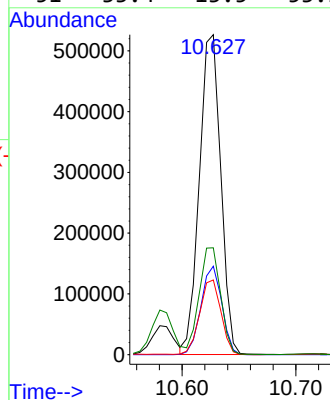
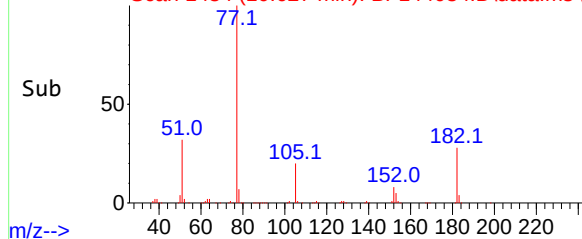
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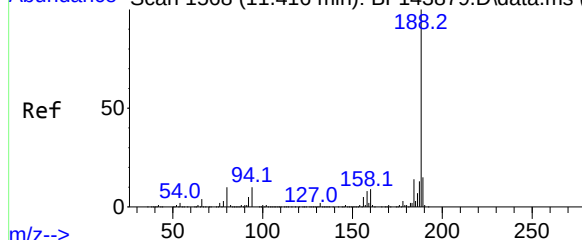
Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

Abundance Scan 1434 (10.627 min): BF144034.D\data.ms (-

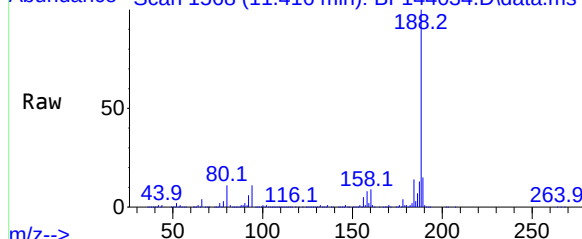


Abundance Scan 1568 (11.416 min): BF143879.D\data.ms (-



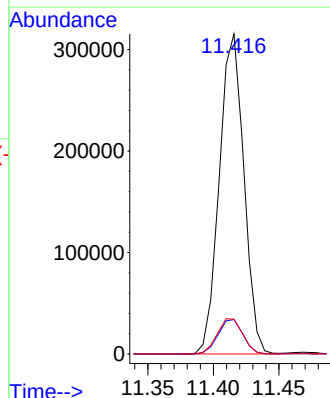
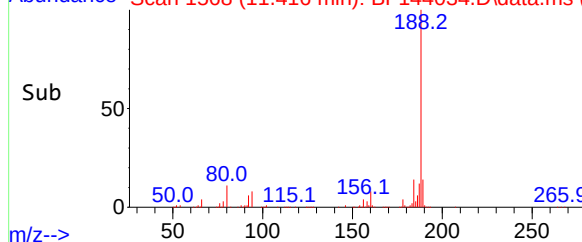
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

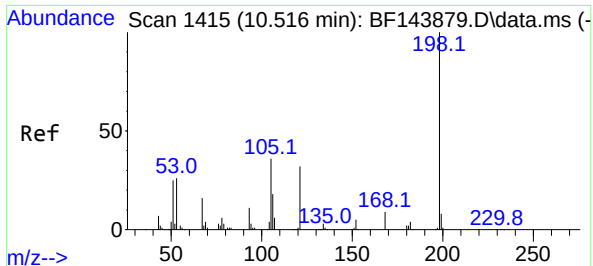
Abundance Scan 1568 (11.416 min): BF144034.D\data.ms



Tgt Ion:188 Resp: 409864
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 10.9 7.9 11.9

Abundance Scan 1568 (11.416 min): BF144034.D\data.ms (-





#65

4,6-Dinitro-2-methylphenol

Concen: 52.568 ng

RT: 10.522 min Scan# 1416

Delta R.T. -0.012 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:198 Resp: 10827

Ion Ratio Lower Upper

198 100

51 52.3 33.8 73.8

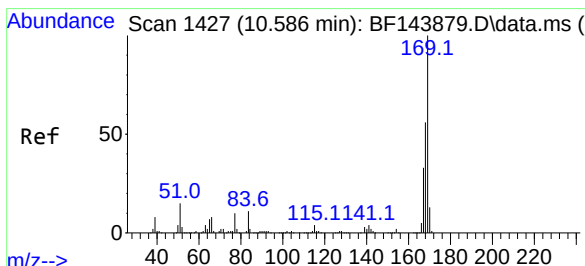
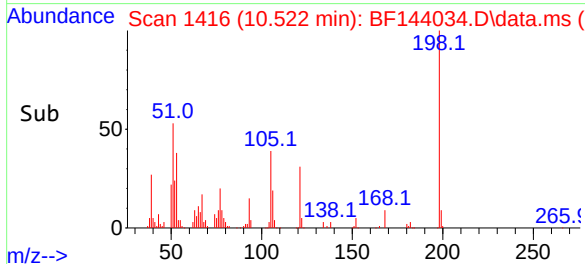
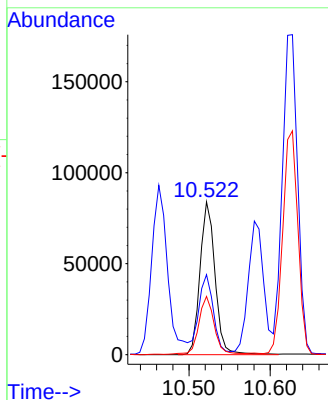
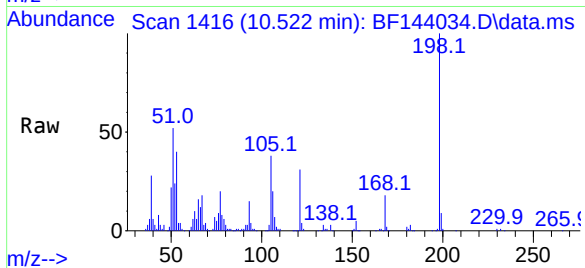
105 38.1 17.0 57.0

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#66

n-Nitrosodiphenylamine

Concen: 46.319 ng

RT: 10.586 min Scan# 1427

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

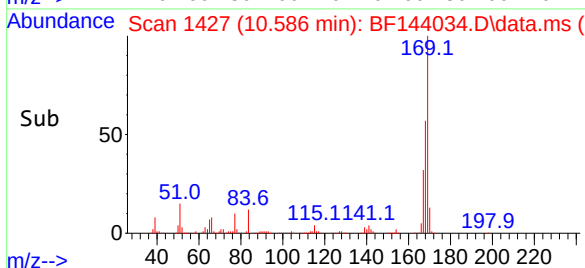
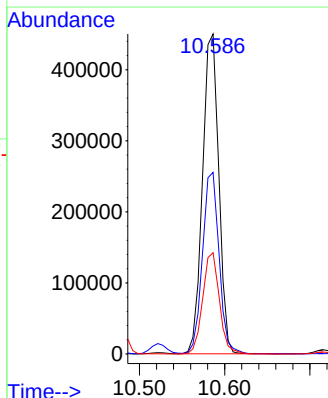
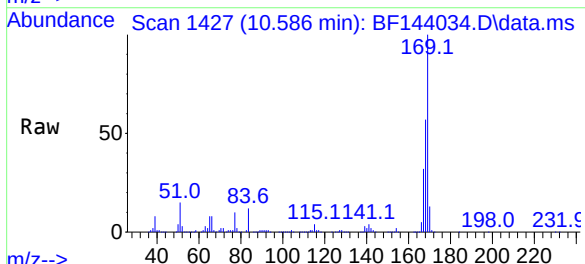
Tgt Ion:169 Resp: 596101

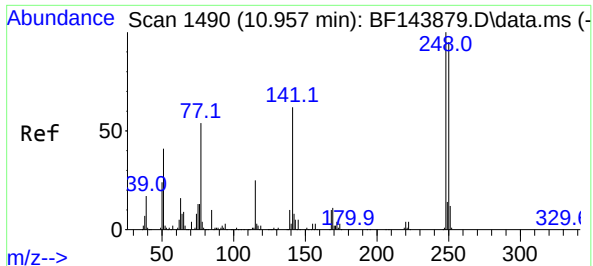
Ion Ratio Lower Upper

169 100

168 56.8 44.9 67.3

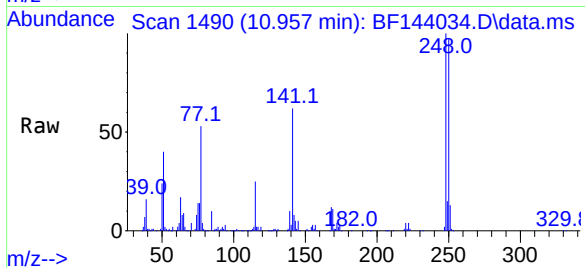
167 31.6 26.3 39.5





#67
4-Bromophenyl-phenylether
Concen: 43.730 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

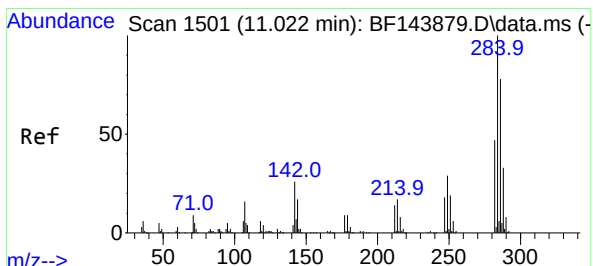
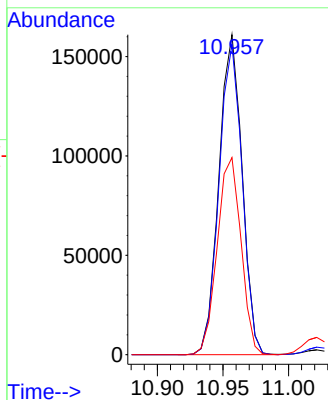
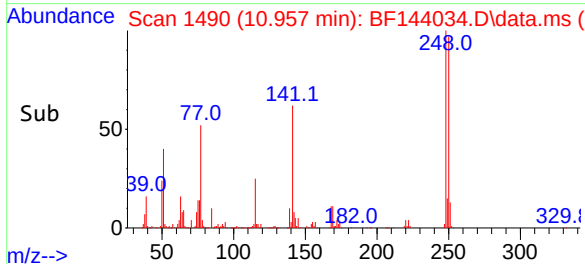
Instrument :
BNA_F
ClientSampleId :
PB170180BS



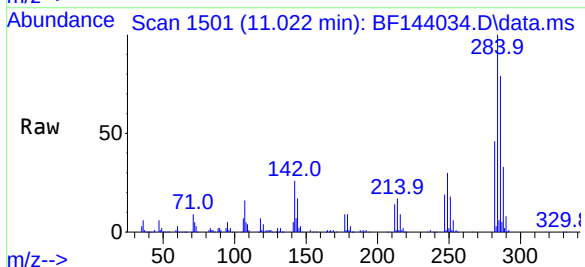
Tgt Ion:248 Resp: 19808
Ion Ratio Lower Upper
248 100
250 97.0 76.3 114.5
141 61.6 49.7 74.5

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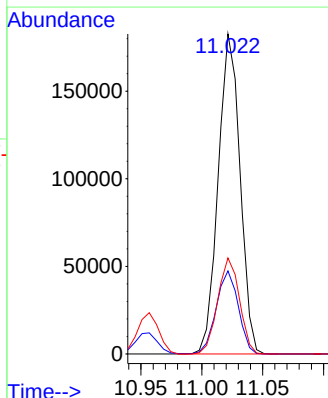
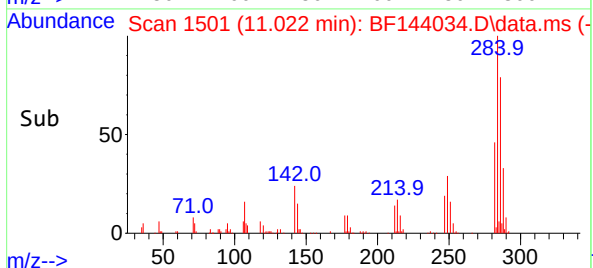
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

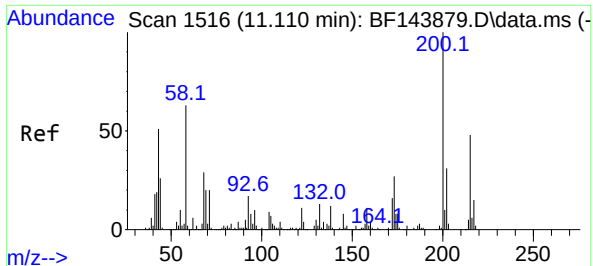


#68
Hexachlorobenzene
Concen: 43.465 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23



Tgt Ion:284 Resp: 227930
Ion Ratio Lower Upper
284 100
142 25.9 20.6 30.8
249 30.0 23.2 34.8





#69

Atrazine

Concen: 47.190 ng

RT: 11.110 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:200 Resp: 184072

Ion Ratio Lower Upper

200 100

173 27.9 7.0 47.0

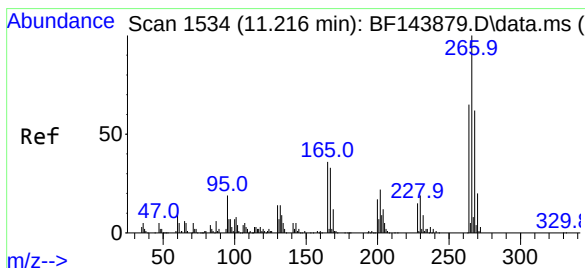
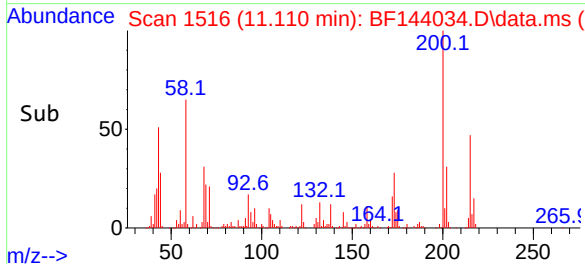
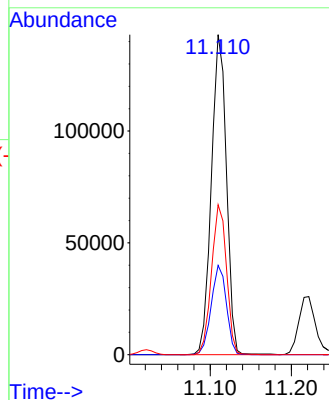
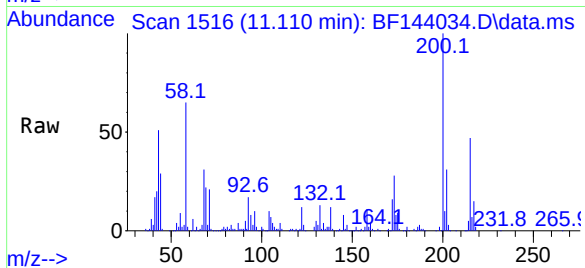
215 46.8 27.8 67.8

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Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#70

Pentachlorophenol

Concen: 72.275 ng

RT: 11.222 min Scan# 1535

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

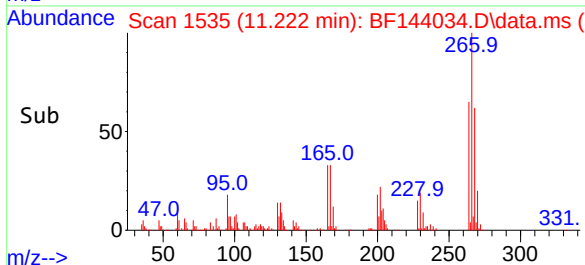
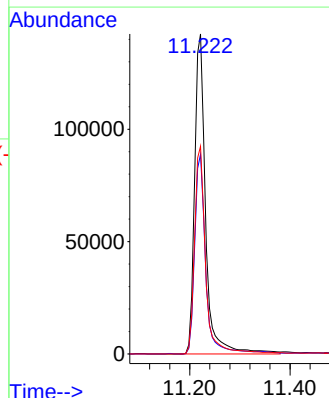
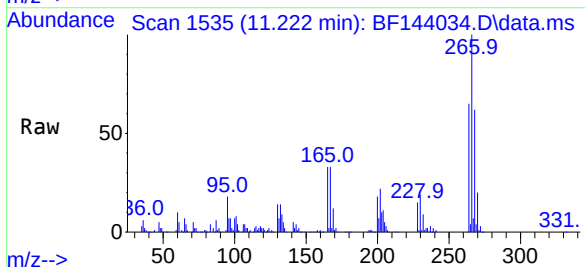
Tgt Ion:266 Resp: 217677

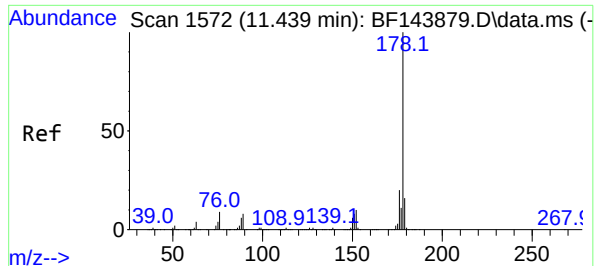
Ion Ratio Lower Upper

266 100

268 62.4 49.4 74.0

264 64.9 51.8 77.6





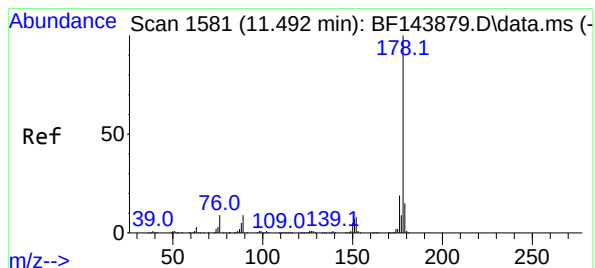
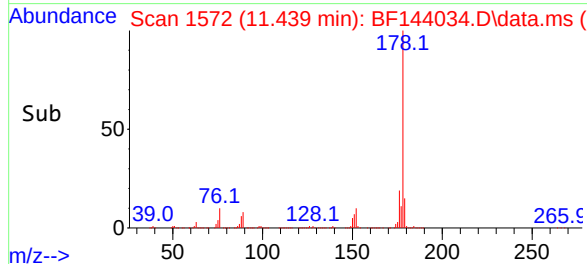
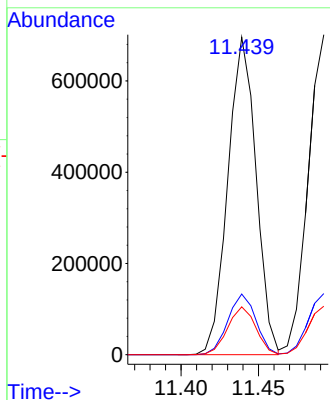
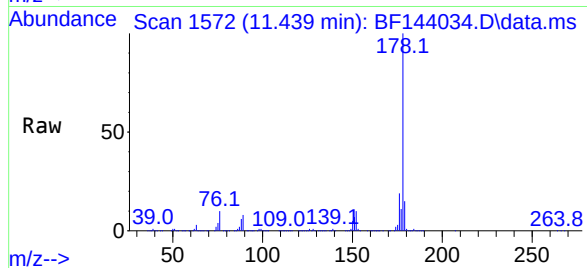
#71
Phenanthrene
Concen: 44.295 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Instrument :
BNA_F
ClientSampleId :
PB170180BS

Tgt Ion:178 Resp: 88015
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.1 12.4 18.6

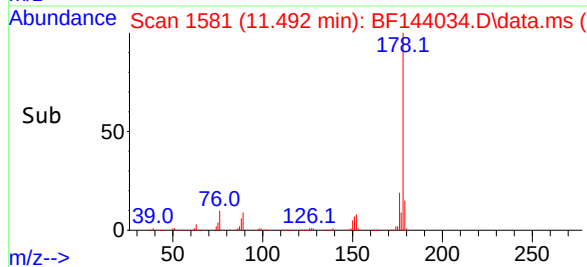
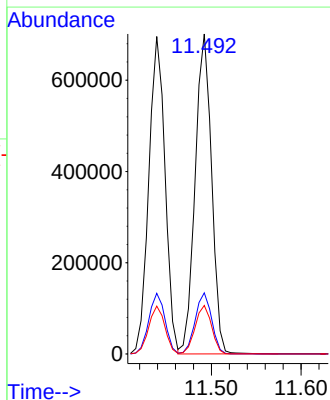
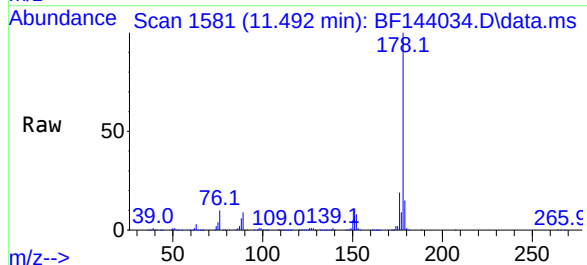
Manual Integrations
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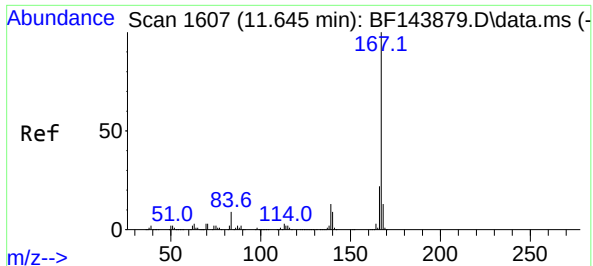
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#72
Anthracene
Concen: 44.364 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

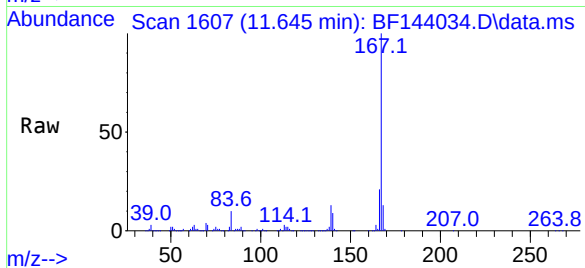
Tgt Ion:178 Resp: 890556
Ion Ratio Lower Upper
178 100
176 19.1 14.9 22.3
179 15.2 12.2 18.2





#73
Carbazole
Concen: 44.449 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

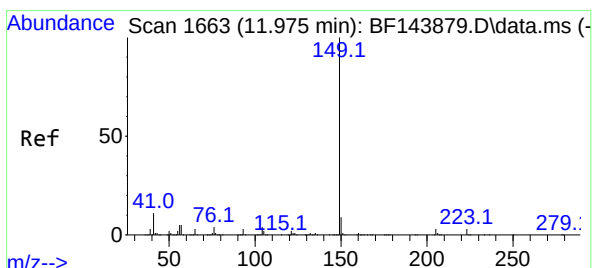
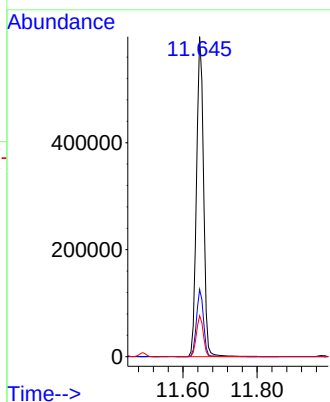
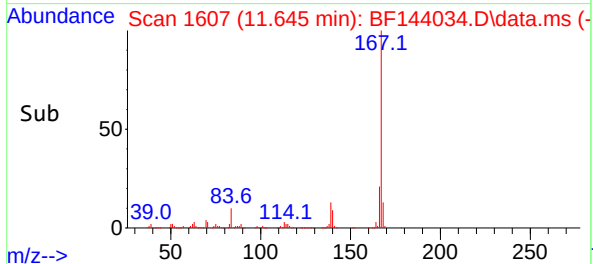
Instrument :
BNA_F
ClientSampleId :
PB170180BS



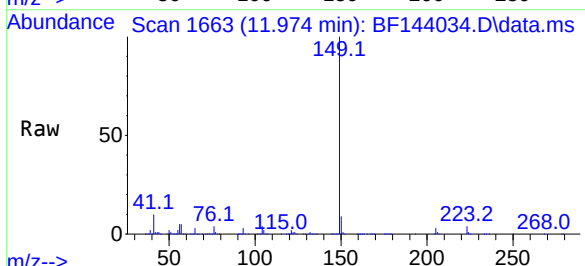
Tgt Ion:167 Resp: 790245
Ion Ratio Lower Upper
167 100
166 21.0 17.2 25.8
139 12.8 10.1 15.1

Manual Integrations
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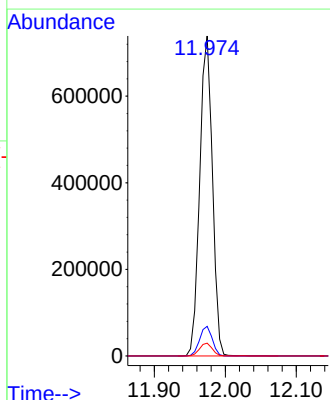
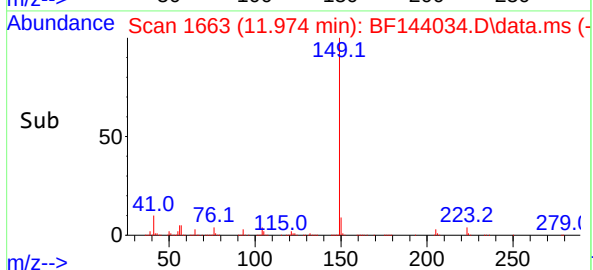
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

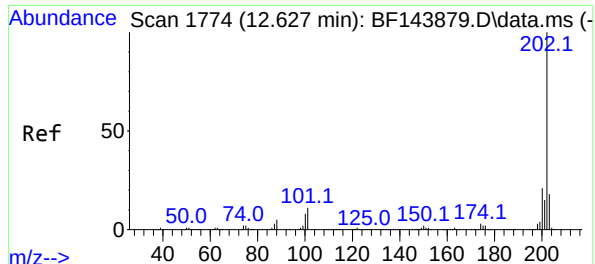


#74
Di-n-butylphthalate
Concen: 44.696 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23



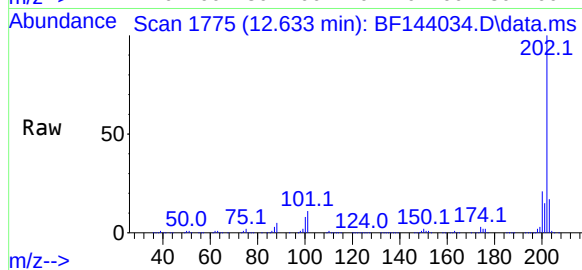
Tgt Ion:149 Resp: 920963
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.0 3.4 5.2





#75
Fluoranthene
Concen: 42.371 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

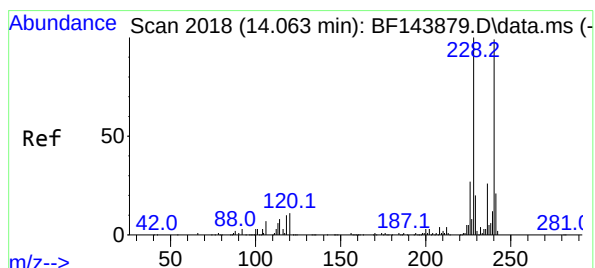
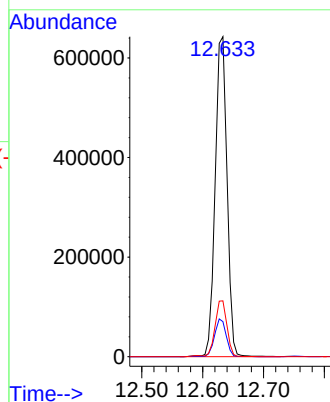
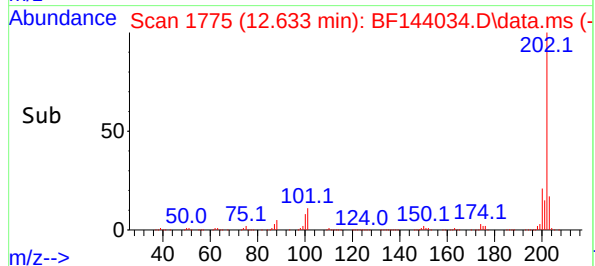
Instrument :
BNA_F
ClientSampleId :
PB170180BS



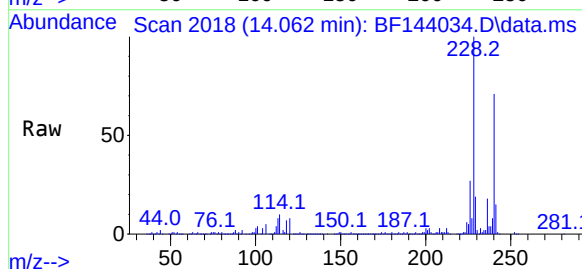
Tgt Ion:202 Resp: 869640
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.7
203 17.5 0.0 37.8

Manual Integrations
APPROVED

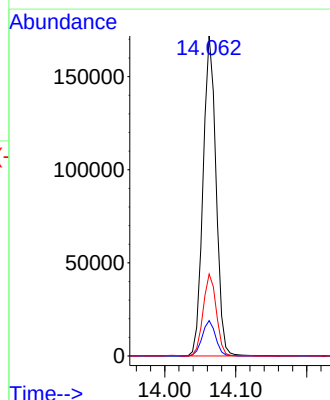
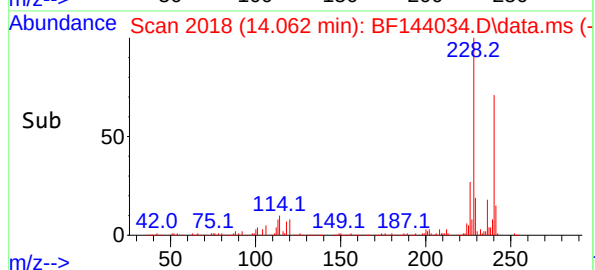
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

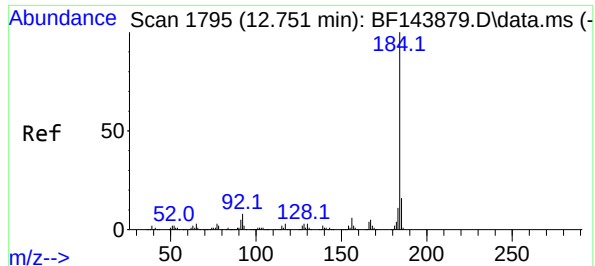


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23



Tgt Ion:240 Resp: 219056
Ion Ratio Lower Upper
240 100
120 11.1 8.6 13.0
236 25.6 21.1 31.7





#77

Benzidine

Concen: 30.612 ng

RT: 12.751 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:184 Resp: 232839

Ion Ratio Lower Upper

184 100

185 14.9 12.6 18.8

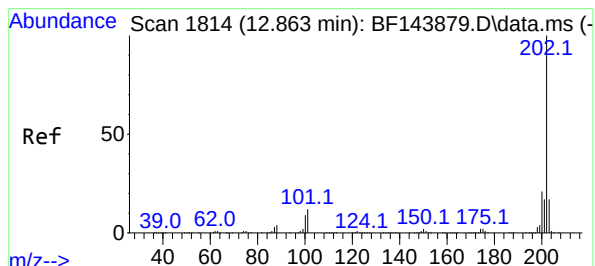
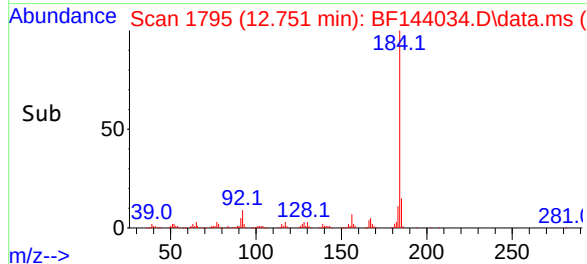
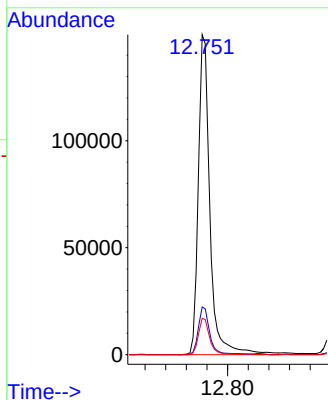
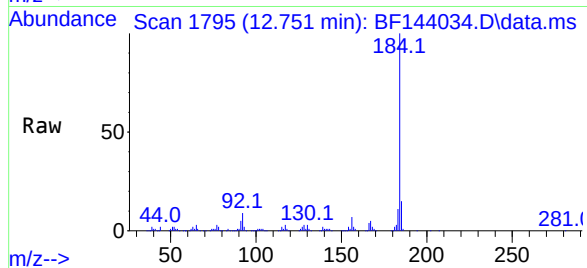
183 11.4 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#78

Pyrene

Concen: 49.051 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

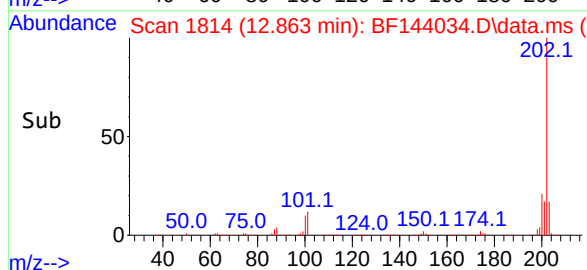
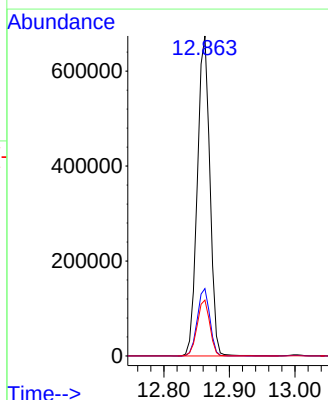
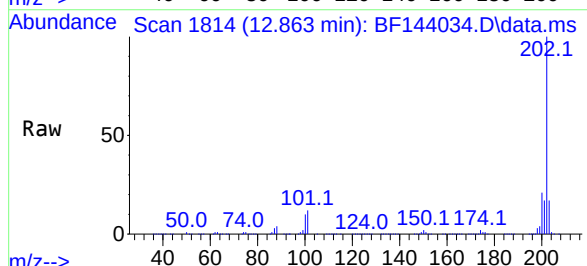
Tgt Ion:202 Resp: 895799

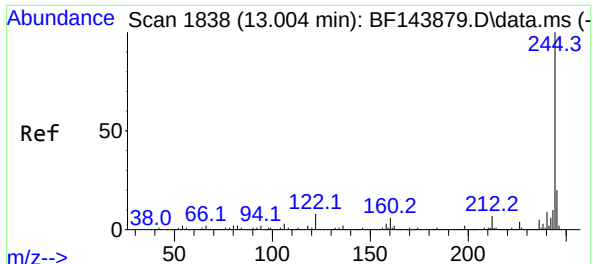
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.6

203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 95.912 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:244 Resp: 1229329

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

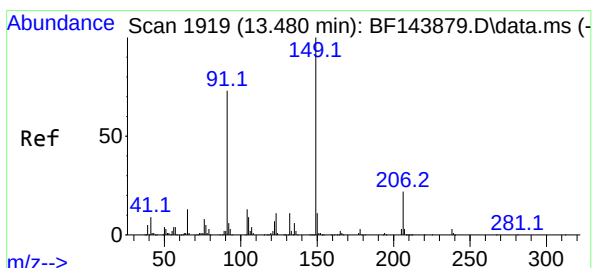
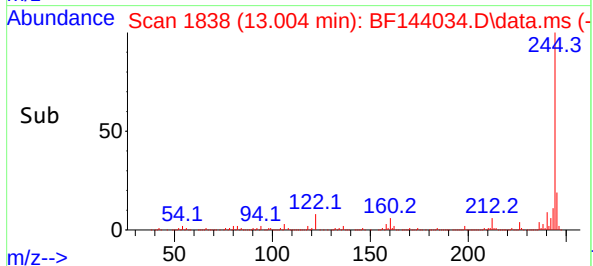
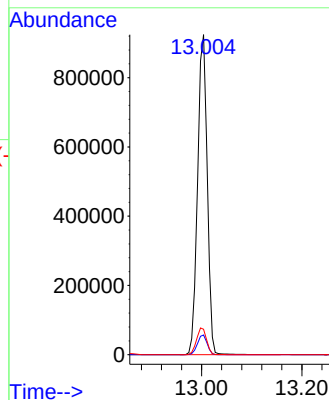
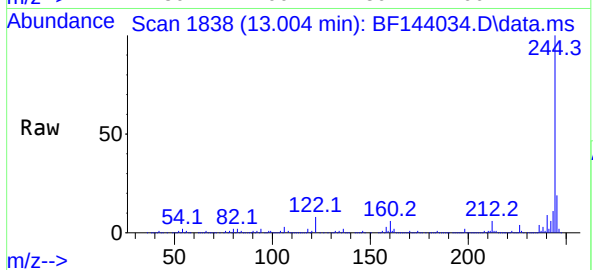
122 8.0 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#80

Butylbenzylphthalate

Concen: 50.051 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

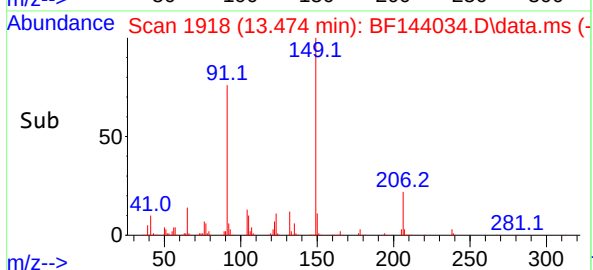
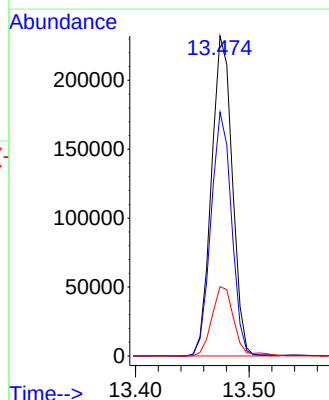
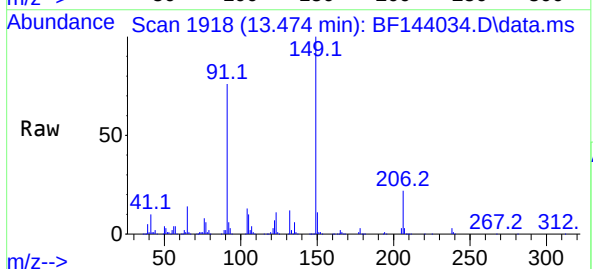
Tgt Ion:149 Resp: 296852

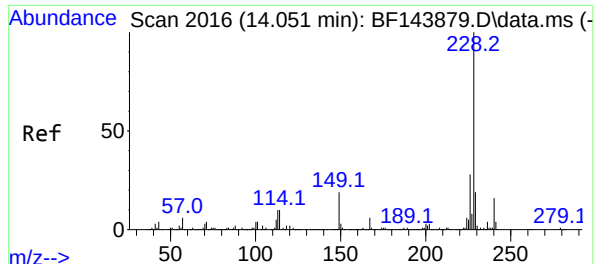
Ion Ratio Lower Upper

149 100

91 76.2 58.2 87.2

206 21.7 17.9 26.9





#81

Benzo(a)anthracene

Concen: 45.831 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:228 Resp: 656992

Ion Ratio Lower Upper

228 100

226 27.1 22.2 33.2

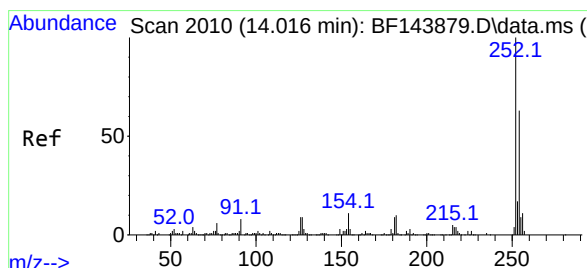
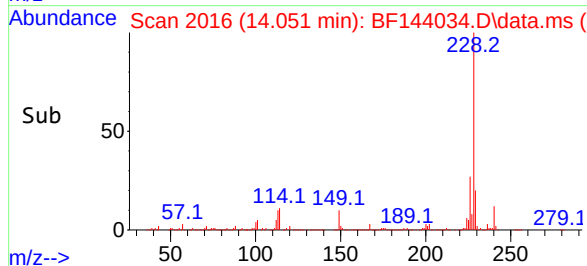
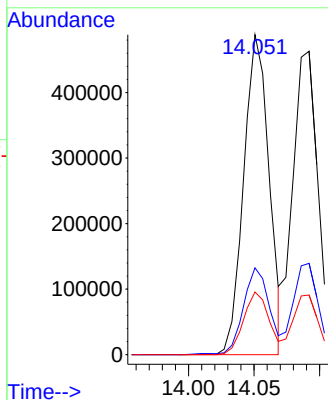
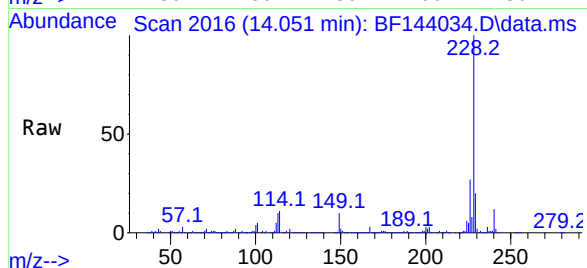
229 19.6 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#82

3,3'-Dichlorobenzidine

Concen: 32.504 ng

RT: 14.015 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

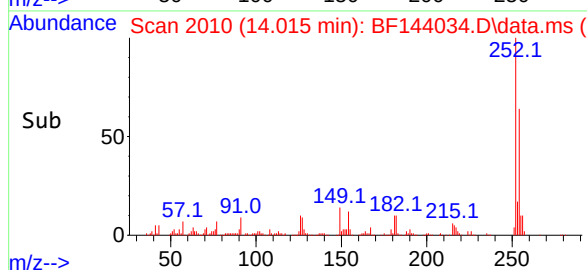
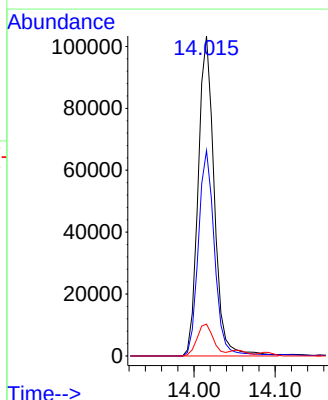
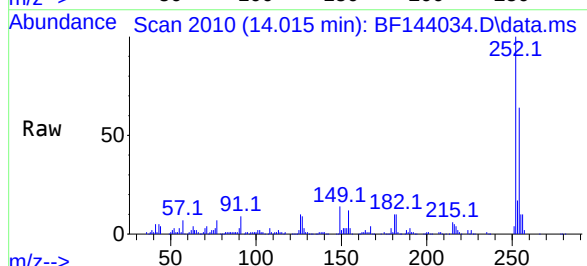
Tgt Ion:252 Resp: 141998

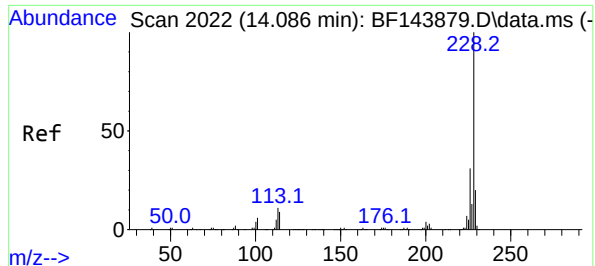
Ion Ratio Lower Upper

252 100

254 64.2 50.6 76.0

126 10.0 7.0 10.6





#83

Chrysene

Concen: 46.792 ng

RT: 14.092 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:228 Resp: 62081

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

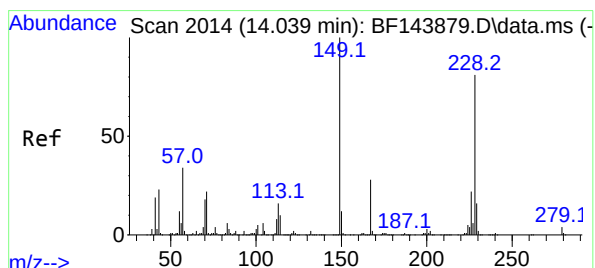
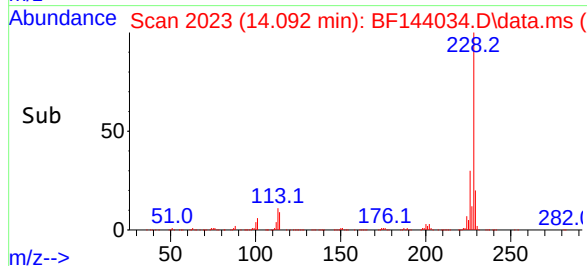
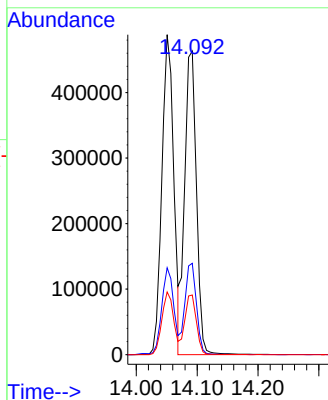
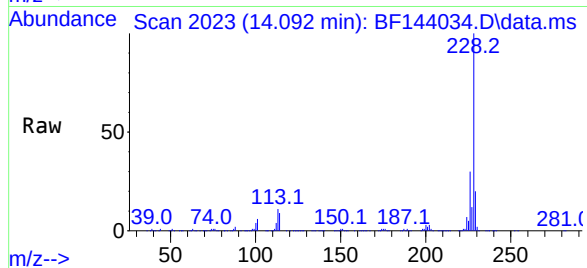
229 19.7 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.738 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

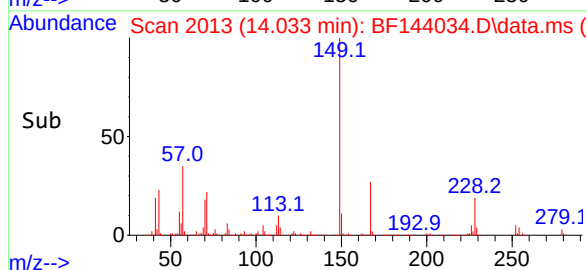
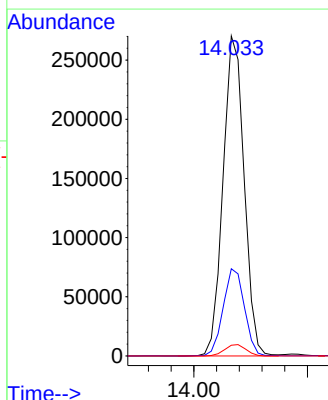
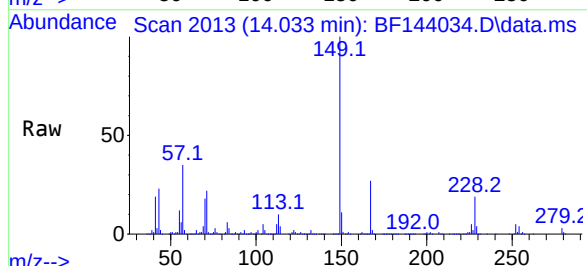
Tgt Ion:149 Resp: 348458

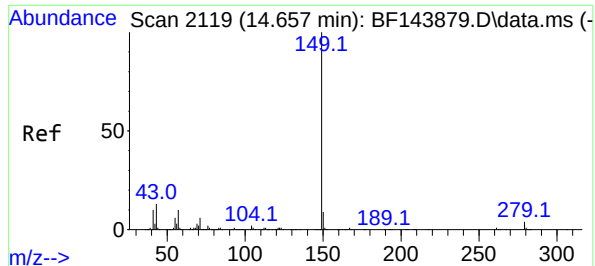
Ion Ratio Lower Upper

149 100

167 27.3 22.2 33.4

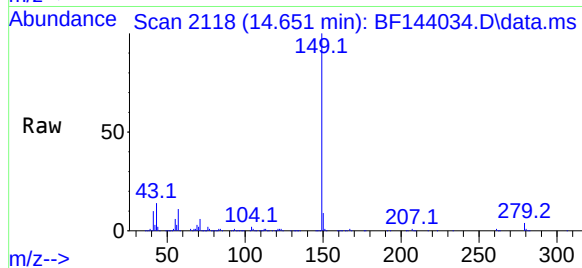
279 3.4 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 47.402 ng
RT: 14.651 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

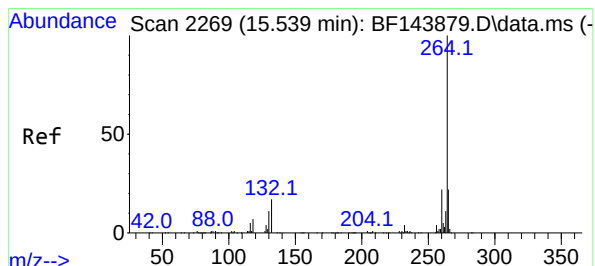
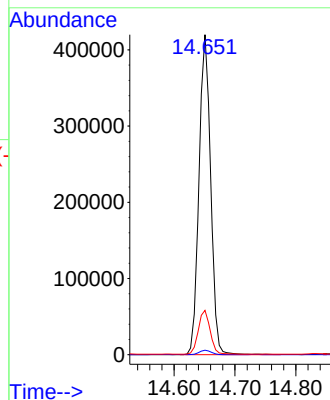
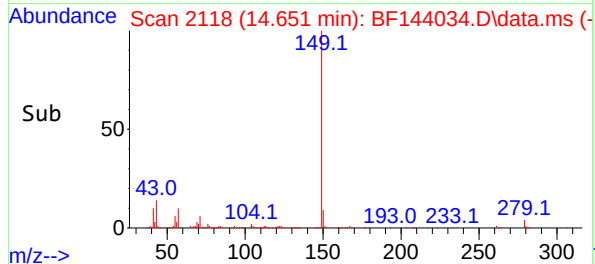
Instrument :
BNA_F
ClientSampleId :
PB170180BS



Tgt Ion:149 Resp: 556634
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 13.8 11.0 16.4

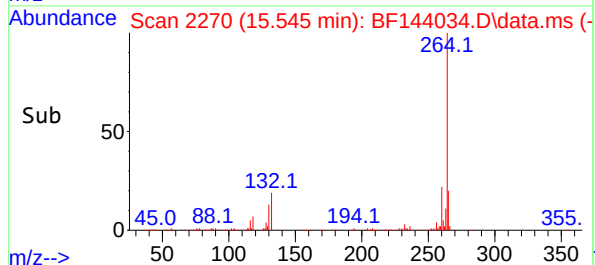
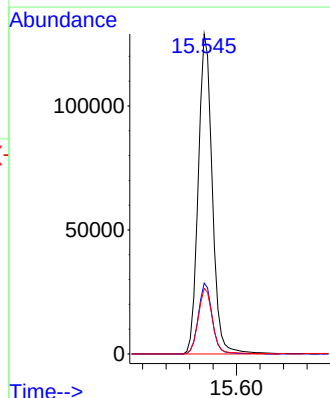
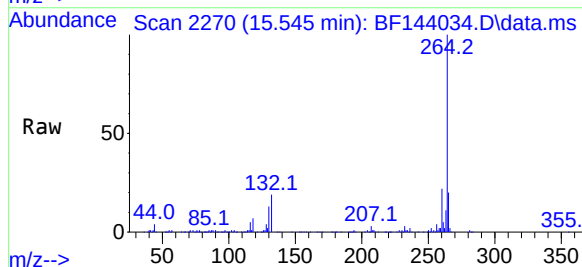
Manual Integrations
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Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

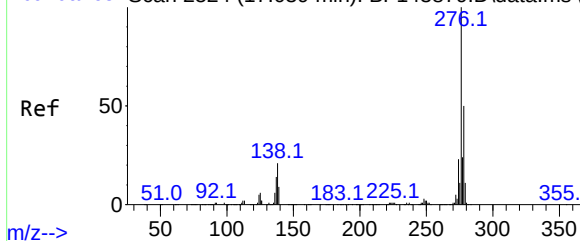


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:264 Resp: 213561
Ion Ratio Lower Upper
264 100
260 22.1 17.8 26.8
265 20.5 17.5 26.3



Abundance Scan 2524 (17.039 min): BF143879.D\data.ms (-



#87

Indeno(1,2,3-cd)pyrene

Concen: 56.623 ng

RT: 17.056 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:276 Resp: 740950

Ion Ratio Lower Upper

276 100

138 25.0 18.2 27.2

277 24.8 19.8 29.6

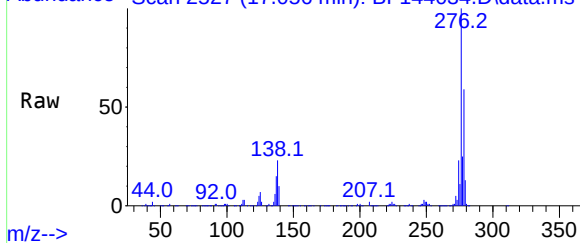
Manual Integrations

APPROVED

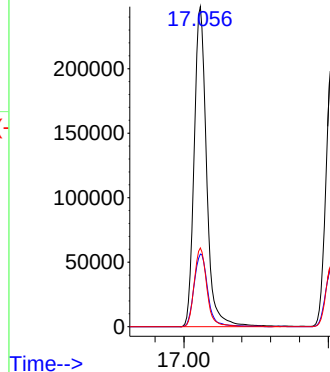
Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025

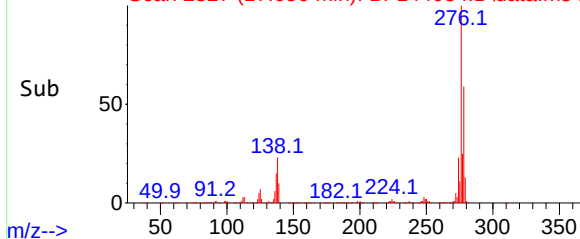
Abundance Scan 2527 (17.056 min): BF144034.D\data.ms



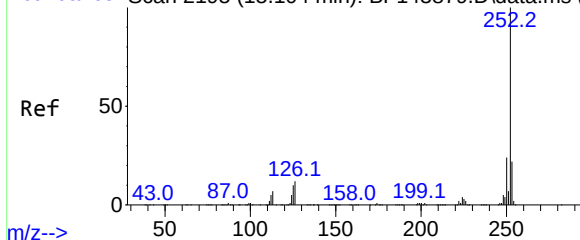
Abundance



Abundance Scan 2527 (17.056 min): BF144034.D\data.ms (-



Abundance Scan 2195 (15.104 min): BF143879.D\data.ms (-



#88

Benzo(b)fluoranthene

Concen: 40.788 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Tgt Ion:252 Resp: 500371

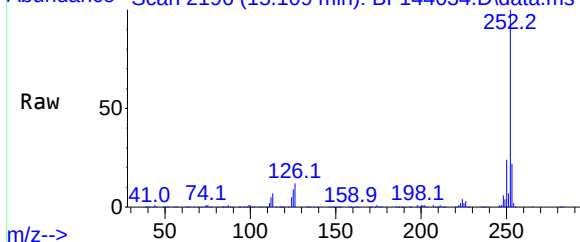
Ion Ratio Lower Upper

252 100

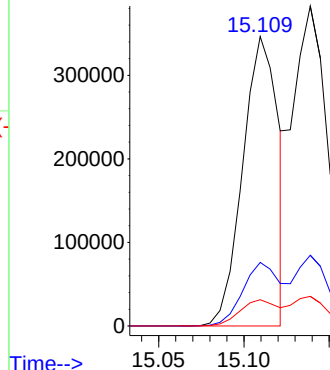
253 21.9 17.4 26.2

125 9.1 7.8 11.6

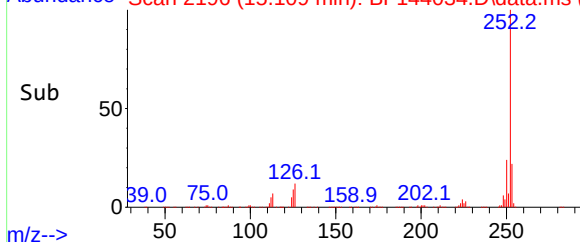
Abundance Scan 2196 (15.109 min): BF144034.D\data.ms

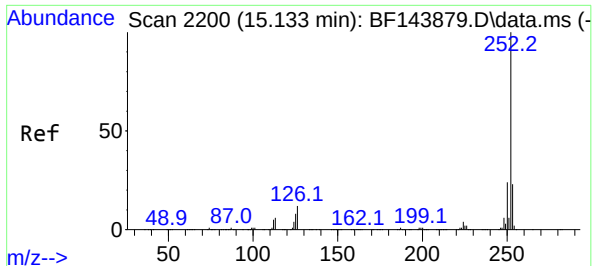


Abundance



Abundance Scan 2196 (15.109 min): BF144034.D\data.ms (-





#89

Benzo(k)fluoranthene

Concen: 41.132 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB170180BS

Tgt Ion:252 Resp: 46690

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

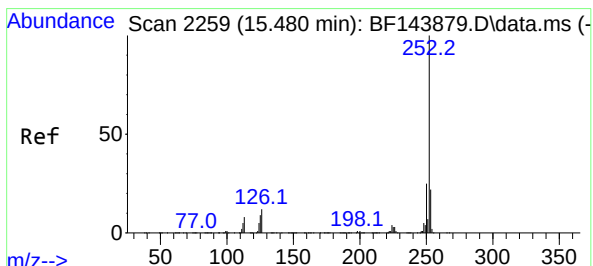
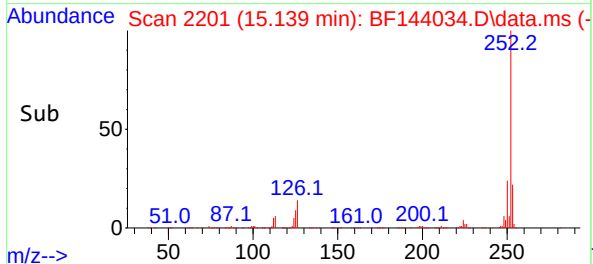
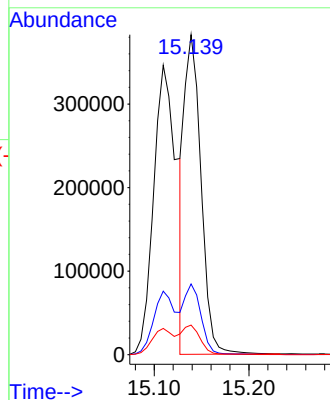
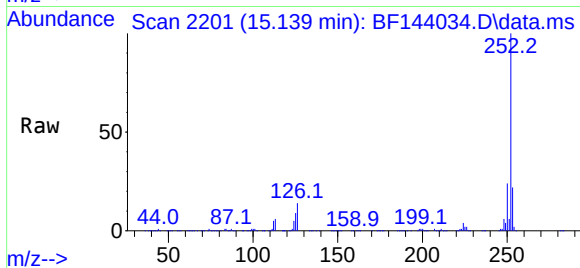
125 9.2 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/23/2025

Supervised By :Jagrut Upadhyay 10/23/2025



#90

Benzo(a)pyrene

Concen: 48.572 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF144034.D

Acq: 22 Oct 2025 11:23

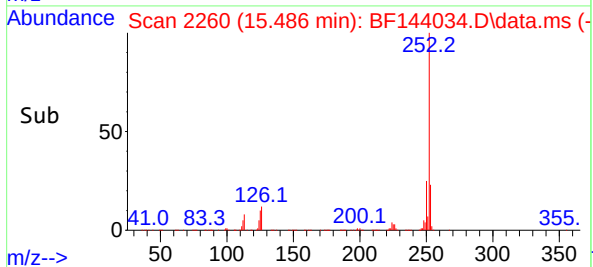
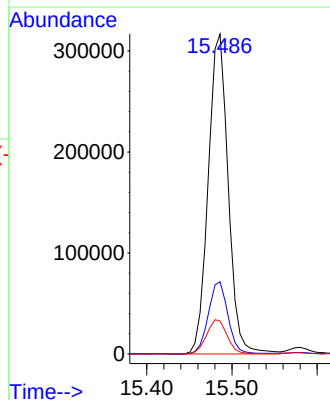
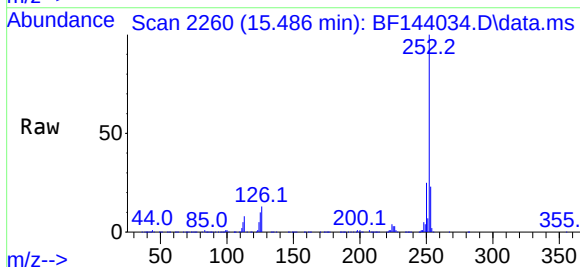
Tgt Ion:252 Resp: 516671

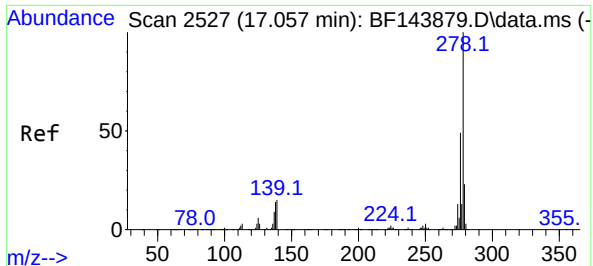
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

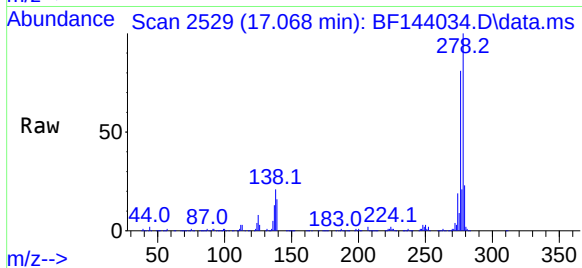
125 10.3 7.0 10.4





#91
Dibenzo(a,h)anthracene
Concen: 56.429 ng
RT: 17.068 min Scan# 2527
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

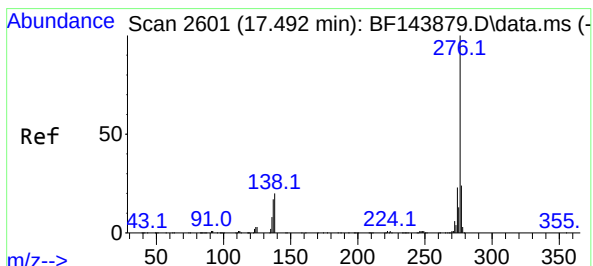
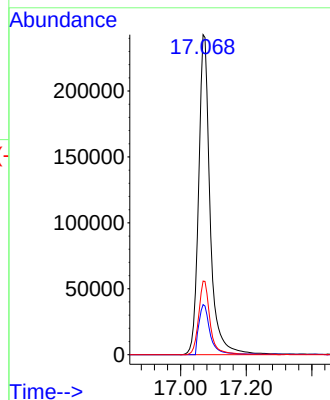
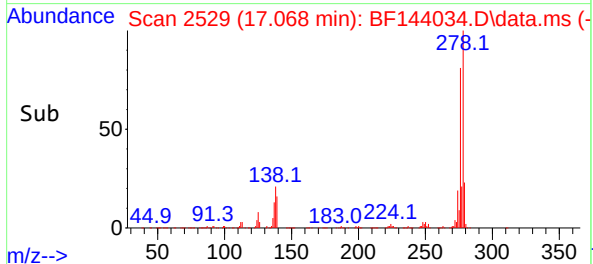
Instrument :
BNA_F
ClientSampleId :
PB170180BS



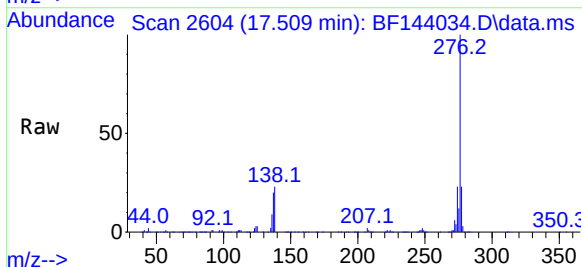
Tgt Ion:278 Resp: 593880
Ion Ratio Lower Upper
278 100
139 15.7 11.7 17.5
279 23.0 18.4 27.6

Manual Integrations
APPROVED

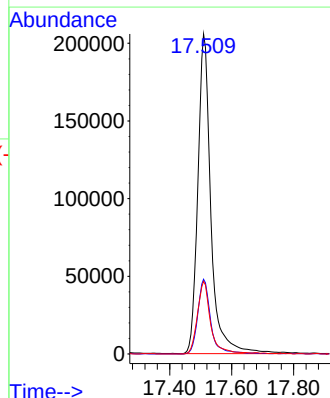
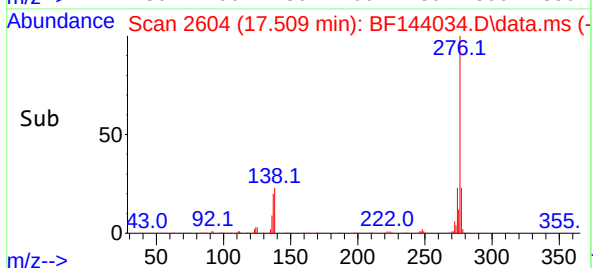
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#92
Benzo(g,h,i)perylene
Concen: 57.212 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23



Tgt Ion:276 Resp: 602133
Ion Ratio Lower Upper
276 100
277 23.4 19.0 28.6
138 22.7 16.1 24.1



Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: 41-LBMS
 Lab Sample ID: Q3402-07MS
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 50.01 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
 Date Received: 10/20/25
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 65.9
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	840		1	140	300	ug/Kg	10/21/25 19:28	PB170180
108-95-2	Phenol	1500		1	20.1	150	ug/Kg	10/21/25 19:28	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	22.1	150	ug/Kg	10/21/25 19:28	PB170180
95-57-8	2-Chlorophenol	1500		1	22.2	150	ug/Kg	10/21/25 19:28	PB170180
95-48-7	2-Methylphenol	1400		1	27.2	150	ug/Kg	10/21/25 19:28	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	34.1	150	ug/Kg	10/21/25 19:28	PB170180
98-86-2	Acetophenone	1600		1	26.9	150	ug/Kg	10/21/25 19:28	PB170180
65794-96-9	3+4-Methylphenols	1400		1	37.4	300	ug/Kg	10/21/25 19:28	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	43.1	72.8	ug/Kg	10/21/25 19:28	PB170180
67-72-1	Hexachloroethane	1400		1	16.0	150	ug/Kg	10/21/25 19:28	PB170180
98-95-3	Nitrobenzene	1500		1	16.7	150	ug/Kg	10/21/25 19:28	PB170180
78-59-1	Isophorone	1400		1	29.9	150	ug/Kg	10/21/25 19:28	PB170180
88-75-5	2-Nitrophenol	1700		1	53.0	150	ug/Kg	10/21/25 19:28	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	59.0	150	ug/Kg	10/21/25 19:28	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	28.0	150	ug/Kg	10/21/25 19:28	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	25.8	150	ug/Kg	10/21/25 19:28	PB170180
91-20-3	Naphthalene	1500		1	20.7	150	ug/Kg	10/21/25 19:28	PB170180
106-47-8	4-Chloroaniline	550		1	32.2	150	ug/Kg	10/21/25 19:28	PB170180
87-68-3	Hexachlorobutadiene	1400		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
105-60-2	Caprolactam	1500		1	47.4	300	ug/Kg	10/21/25 19:28	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	26.1	150	ug/Kg	10/21/25 19:28	PB170180
91-57-6	2-Methylnaphthalene	1300		1	23.3	150	ug/Kg	10/21/25 19:28	PB170180
77-47-4	Hexachlorocyclopentadiene	3200	E	1	110	300	ug/Kg	10/21/25 19:28	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	18.0	150	ug/Kg	10/21/25 19:28	PB170180
95-95-4	2,4,5-Trichlorophenol	1500		1	26.5	150	ug/Kg	10/21/25 19:28	PB170180
92-52-4	1,1-Biphenyl	1700		1	19.8	150	ug/Kg	10/21/25 19:28	PB170180
91-58-7	2-Chloronaphthalene	1600		1	20.5	150	ug/Kg	10/21/25 19:28	PB170180
88-74-4	2-Nitroaniline	1700		1	43.8	150	ug/Kg	10/21/25 19:28	PB170180
131-11-3	Dimethylphthalate	1600		1	24.7	150	ug/Kg	10/21/25 19:28	PB170180
208-96-8	Acenaphthylene	1700		1	26.3	150	ug/Kg	10/21/25 19:28	PB170180
606-20-2	2,6-Dinitrotoluene	1800		1	30.6	150	ug/Kg	10/21/25 19:28	PB170180
99-09-2	3-Nitroaniline	1100		1	41.9	150	ug/Kg	10/21/25 19:28	PB170180
83-32-9	Acenaphthene	1500		1	19.4	150	ug/Kg	10/21/25 19:28	PB170180
51-28-5	2,4-Dinitrophenol	2300		1	210	300	ug/Kg	10/21/25 19:28	PB170180
100-02-7	4-Nitrophenol	2600	E	1	97.4	300	ug/Kg	10/21/25 19:28	PB170180
132-64-9	Dibenzofuran	1500		1	20.7	150	ug/Kg	10/21/25 19:28	PB170180
121-14-2	2,4-Dinitrotoluene	1700		1	45.6	150	ug/Kg	10/21/25 19:28	PB170180
84-66-2	Diethylphthalate	1500		1	25.8	150	ug/Kg	10/21/25 19:28	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1400		1	24.3	150	ug/Kg	10/21/25 19:28	PB170180
86-73-7	Fluorene	1500		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
100-01-6	4-Nitroaniline	1400		1	58.4	150	ug/Kg	10/21/25 19:28	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1700		1	93.8	300	ug/Kg	10/21/25 19:28	PB170180

Report of Analysis

Client: AECOM
 Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
 Client Sample ID: 41-LBMS
 Lab Sample ID: Q3402-07MS
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 50.01 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
 Date Received: 10/20/25
 SDG No.: Q3393
 Matrix: SOIL
 % Solid: 65.9
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1700		1	29.9	150	ug/Kg	10/21/25 19:28	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	25.3	150	ug/Kg	10/21/25 19:28	PB170180
118-74-1	Hexachlorobenzene	1500		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
1912-24-9	Atrazine	1600		1	30.9	150	ug/Kg	10/21/25 19:28	PB170180
87-86-5	Pentachlorophenol	2500	E	1	46.7	300	ug/Kg	10/21/25 19:28	PB170180
85-01-8	Phenanthrene	1600		1	19.0	150	ug/Kg	10/21/25 19:28	PB170180
120-12-7	Anthracene	1600		1	30.3	150	ug/Kg	10/21/25 19:28	PB170180
86-74-8	Carbazole	1500		1	28.4	150	ug/Kg	10/21/25 19:28	PB170180
84-74-2	Di-n-butylphthalate	1600		1	43.6	150	ug/Kg	10/21/25 19:28	PB170180
206-44-0	Fluoranthene	1600		1	27.3	150	ug/Kg	10/21/25 19:28	PB170180
129-00-0	Pyrene	1200		1	32.8	150	ug/Kg	10/21/25 19:28	PB170180
85-68-7	Butylbenzylphthalate	1500		1	65.0	150	ug/Kg	10/21/25 19:28	PB170180
91-94-1	3,3-Dichlorobenzidine	1400		1	33.4	300	ug/Kg	10/21/25 19:28	PB170180
56-55-3	Benzo(a)anthracene	1600		1	20.9	150	ug/Kg	10/21/25 19:28	PB170180
218-01-9	Chrysene	1600		1	18.1	150	ug/Kg	10/21/25 19:28	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1800		1	53.9	150	ug/Kg	10/21/25 19:28	PB170180
117-84-0	Di-n-octyl phthalate	2100		1	79.0	300	ug/Kg	10/21/25 19:28	PB170180
205-99-2	Benzo(b)fluoranthene	1500		1	17.3	150	ug/Kg	10/21/25 19:28	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	20.4	150	ug/Kg	10/21/25 19:28	PB170180
50-32-8	Benzo(a)pyrene	1600		1	26.9	150	ug/Kg	10/21/25 19:28	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	26.5	150	ug/Kg	10/21/25 19:28	PB170180
53-70-3	Dibenzo(a,h)anthracene	1500		1	24.9	150	ug/Kg	10/21/25 19:28	PB170180
191-24-2	Benzo(g,h,i)perylene	1400		1	23.4	150	ug/Kg	10/21/25 19:28	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	23.3	150	ug/Kg	10/21/25 19:28	PB170180
123-91-1	1,4-Dioxane	1400		1	41.1	150	ug/Kg	10/21/25 19:28	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1400		1	24.9	150	ug/Kg	10/21/25 19:28	PB170180

SURROGATES

367-12-4	2-Fluorophenol	95.0		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	93.4		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.3		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.5		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.3		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	33.9		10 - 105	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	97900
1146-65-2	Naphthalene-d8	362000
15067-26-2	Acenaphthene-d10	172000
1517-22-2	Phenanthrene-d10	252000
1719-03-5	Chrysene-d12	216000
1520-96-3	Perylene-d12	288000

Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMS	SDG No.:	Q3393
Lab Sample ID:	Q3402-07MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.9
Sample Wt/Vol:	50.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144021.D
 Acq On : 21 Oct 2025 19:28
 Operator : RC/JU
 Sample : Q3402-07MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 41-LBMS

Quant Time: Oct 22 11:11:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	97883	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	362327	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	171519	20.00	ng	0.00
64) Phenanthrene-d10	11.416	188	251833	20.00	ng	0.00
76) Chrysene-d12	14.063	240	215570	20.00	ng	0.00
86) Perylene-d12	15.545	264	288346	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	585874	95.05	ng	0.00
7) Phenol-d6	6.510	99	686364	93.42	ng	0.00
23) Nitrobenzene-d5	7.445	82	377645	63.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	128593	75.27	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	502594	46.50	ng	-0.01
79) Terphenyl-d14	12.998	244	427888	33.92	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	129896	45.54	ng	95
3) Pyridine	3.446	79	354264	42.66	ng	98
4) n-Nitrosodimethylamine	3.393	42	211667	48.46	ng	96
6) Aniline	6.545	93	389317	35.36	ng	99
8) 2-Chlorophenol	6.669	128	291589	48.39	ng	96
9) Benzaldehyde	6.434	77	156751	27.66	ng	97
10) Phenol	6.522	94	435371	49.57	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	326113	48.06	ng	97
12) 1,3-Dichlorobenzene	6.822	146	349785	48.50	ng	99
13) 1,4-Dichlorobenzene	6.898	146	360908	50.73	ng	99
14) 1,2-Dichlorobenzene	7.051	146	339575	49.83	ng	99
15) Benzyl Alcohol	7.022	79	273254	49.64	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	749548	48.53	ng	100
17) 2-Methylphenol	7.134	107	232802	46.75	ng	99
18) Hexachloroethane	7.392	117	112145	47.27	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	226038	44.95	ng	98
20) 3+4-Methylphenols	7.287	107	274080	47.49	ng	# 68
22) Acetophenone	7.292	105	407740	53.22	ng	99
24) Nitrobenzene	7.463	77	334164	50.46	ng	95
25) Isophorone	7.698	82	596412	47.43	ng	99
26) 2-Nitrophenol	7.781	139	156979	55.29	ng	99
27) 2,4-Dimethylphenol	7.816	122	277081	54.25	ng	95
28) bis(2-Chloroethoxy)met...	7.910	93	390627	49.18	ng	98
29) 2,4-Dichlorophenol	8.022	162	251894	47.35	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	265404	50.72	ng	99
31) Naphthalene	8.187	128	789939	47.93	ng	99
32) Benzoic acid	7.928	122	183795	51.99	ng	97
33) 4-Chloroaniline	8.234	127	112990	18.28	ng	97
34) Hexachlorobutadiene	8.304	225	173151	47.62	ng	99
35) Caprolactam	8.598	113	80902	47.82	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	228368	44.69	ng	99
37) 2-Methylnaphthalene	8.875	142	467991	42.63	ng	99
38) 1-Methylnaphthalene	8.975	142	470146	44.15	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	272902	57.57	ng	98
41) Hexachlorocyclopentadiene	9.034	237	205343	104.41	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	175339	50.62	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144021.D
 Acq On : 21 Oct 2025 19:28
 Operator : RC/JU
 Sample : Q3402-07MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 41-LBMS

Quant Time: Oct 22 11:11:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

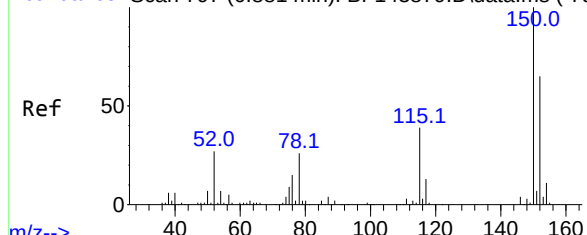
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	181781	49.66	ng	99
46) 1,1'-Biphenyl	9.339	154	649183	57.17	ng	98
47) 2-Chloronaphthalene	9.369	162	490643	51.82	ng	96
48) 2-Nitroaniline	9.463	65	163271	54.54	ng	98
49) Acenaphthylene	9.786	152	760218	57.11	ng	99
50) Dimethylphthalate	9.639	163	567160	52.07	ng	99
51) 2,6-Dinitrotoluene	9.704	165	117859	58.35	ng	95
52) Acenaphthene	9.957	154	443420	50.84	ng	98
53) 3-Nitroaniline	9.875	138	88035	35.60	ng	98
54) 2,4-Dinitrophenol	9.981	184	94795	76.43	ng	94
55) Dibenzofuran	10.128	168	595679	48.38	ng	99
56) 4-Nitrophenol	10.033	139	159580	85.22	ng	98
57) 2,4-Dinitrotoluene	10.110	165	153965	56.03	ng	96
58) Fluorene	10.475	166	453015	48.76	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	119888	46.27	ng	99
60) Diethylphthalate	10.339	149	504158	49.82	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	233202	47.48	ng	99
62) 4-Nitroaniline	10.486	138	109876	46.20	ng	91
63) Azobenzene	10.622	77	549618	51.97	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	72380	57.19	ng	98
66) n-Nitrosodiphenylamine	10.580	169	438535	55.46	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	137013	49.23	ng	96
68) Hexachlorobenzene	11.022	284	154149	47.84	ng	99
69) Atrazine	11.110	200	128608	53.66	ng	98
70) Pentachlorophenol	11.216	266	154905	83.71	ng	98
71) Phenanthrene	11.439	178	626490	51.31	ng	100
72) Anthracene	11.492	178	630911	51.15	ng	99
73) Carbazole	11.645	167	553053	50.63	ng	98
74) Di-n-butylphthalate	11.975	149	682358	53.90	ng	99
75) Fluoranthene	12.627	202	667503	52.93	ng	98
77) Benzidine	12.751	184	313101	41.83	ng	97
78) Pyrene	12.863	202	692293	38.52	ng	99
80) Butylbenzylphthalate	13.474	149	286154	49.03	ng	100
81) Benzo(a)anthracene	14.051	228	739023	52.39	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	200747	46.70	ng	98
83) Chrysene	14.092	228	700802	53.68	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	410102	58.29	ng	99
85) Di-n-octyl phthalate	14.651	149	785742	67.99	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	861279	48.75	ng	98
88) Benzo(b)fluoranthene	15.110	252	829420	50.08	ng	100
89) Benzo(k)fluoranthene	15.139	252	726742	47.42	ng	99
90) Benzo(a)pyrene	15.486	252	758262	52.80	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	686996	48.35	ng	98
92) Benzo(g,h,i)perylene	17.509	276	661800	46.57	ng	98

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

Instrument :
BNA_F
ClientSampleId :
41-LBMS

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

Abundance Scan 797 (6.881 min): BF143879.D\data.ms (-79)



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.881 min Scan# 79

Delta R.T. -0.005 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

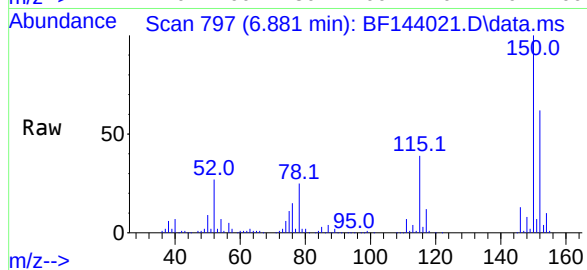
Tgt Ion:152 Resp: 97883

Ion Ratio Lower Upper

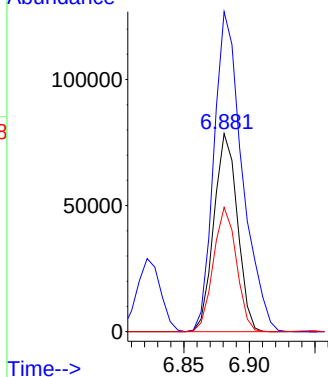
152 100

150 161.5 124.4 186.6

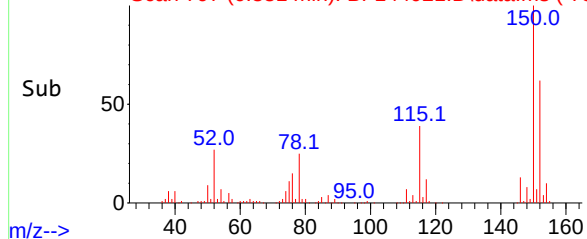
115 62.7 48.1 72.1



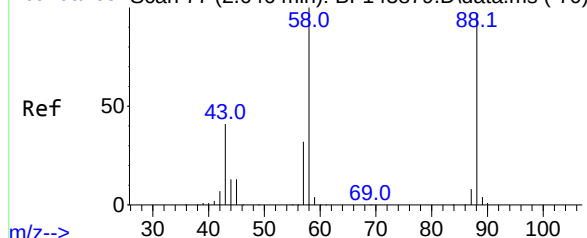
Abundance



Abundance Scan 797 (6.881 min): BF144021.D\data.ms (-78)



Abundance Scan 77 (2.646 min): BF143879.D\data.ms (-70)



#2

1,4-Dioxane

Concen: 45.54 ng

RT: 2.681 min Scan# 83

Delta R.T. 0.035 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

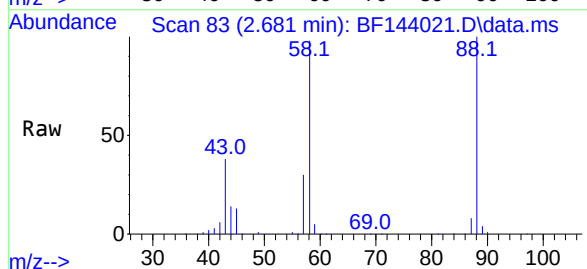
Tgt Ion: 88 Resp: 129896

Ion Ratio Lower Upper

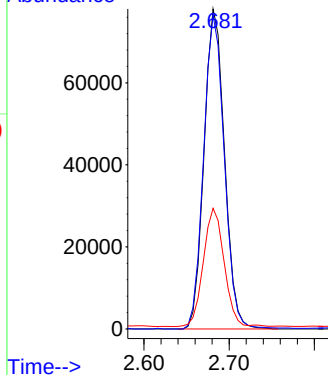
88 100

58 99.6 83.0 124.6

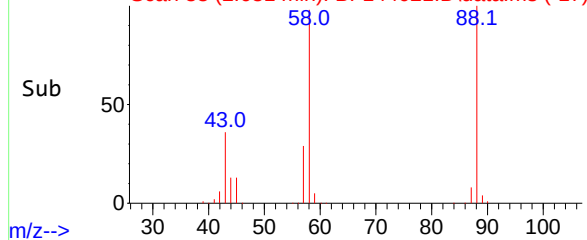
43 37.7 33.9 50.9



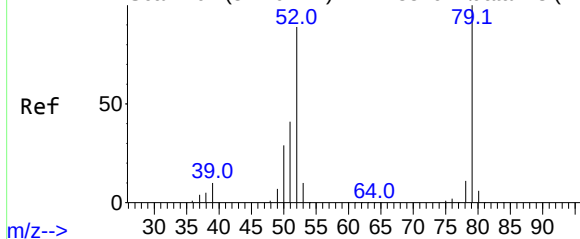
Abundance



Abundance Scan 83 (2.681 min): BF144021.D\data.ms (-17)



Abundance Scan 207 (3.410 min): BF143879.D\data.ms (-20



#3

Pyridine

Concen: 42.66 ng

RT: 3.446 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

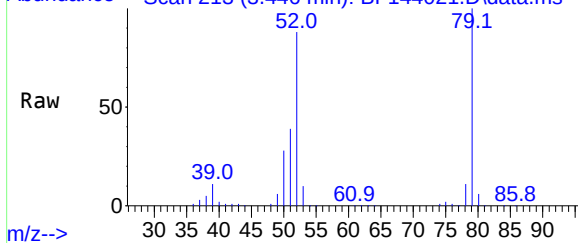
ClientSampleId :

41-LBMS

Tgt Ion: 79 Resp: 354264

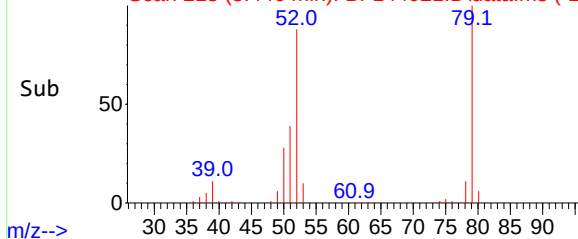
Ion	Ratio	Lower	Upper
79	100		
52	87.6	71.5	107.3
51	39.2	32.9	49.3

Abundance Scan 213 (3.446 min): BF144021.D\data.ms



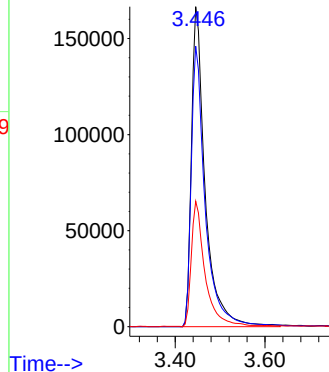
m/z-->

Abundance Scan 213 (3.446 min): BF144021.D\data.ms (-19



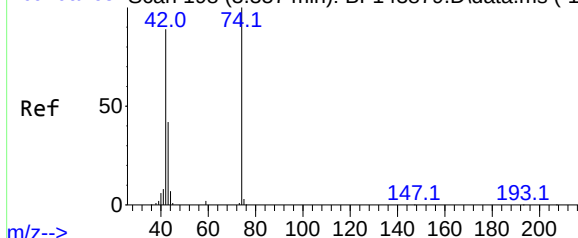
m/z-->

Abundance



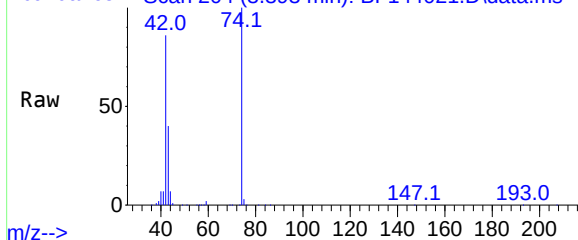
Time-->

Abundance Scan 198 (3.357 min): BF143879.D\data.ms (-18



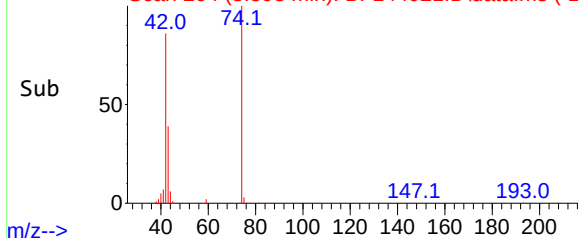
m/z-->

Abundance Scan 204 (3.393 min): BF144021.D\data.ms



m/z-->

Abundance Scan 204 (3.393 min): BF144021.D\data.ms (-18



m/z-->

#4

n-Nitrosodimethylamine

Concen: 48.46 ng

RT: 3.393 min Scan# 204

Delta R.T. 0.006 min

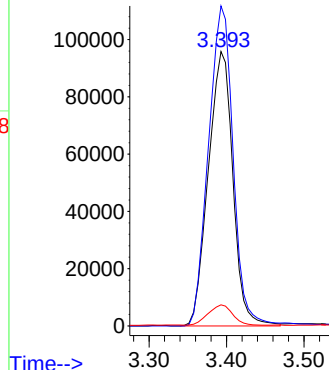
Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion: 42 Resp: 211667

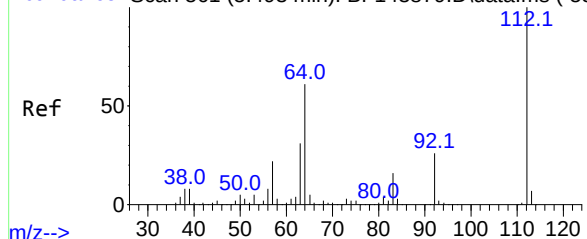
Ion	Ratio	Lower	Upper
42	100		
74	116.6	90.0	135.0
44	7.7	6.2	9.2

Abundance



Time-->

Abundance Scan 561 (5.493 min): BF143879.D\data.ms (-55



#5

2-Fluorophenol

Concen: 95.05 ng

RT: 5.504 min Scan# 5

Delta R.T. 0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion:112 Resp: 585874

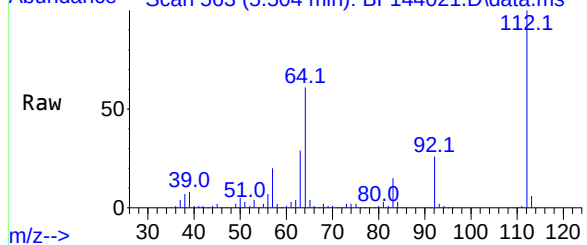
Ion Ratio Lower Upper

112 100

64 60.9 49.1 73.7

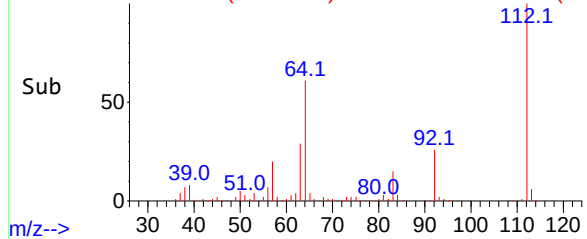
63 28.7 24.5 36.7

Abundance Scan 563 (5.504 min): BF144021.D\data.ms



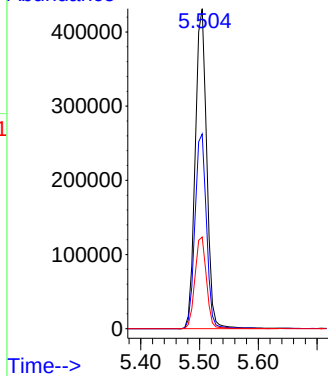
m/z-->

Abundance Scan 563 (5.504 min): BF144021.D\data.ms (-51



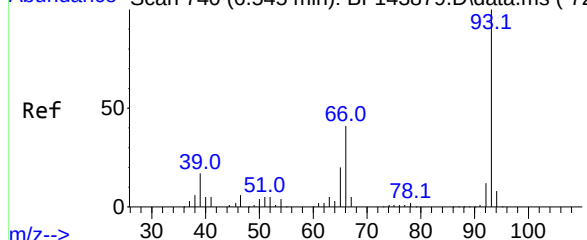
m/z-->

Abundance



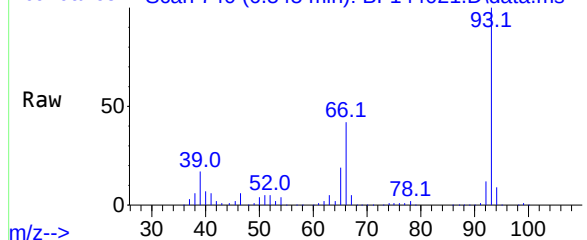
Time-->

Abundance Scan 740 (6.545 min): BF143879.D\data.ms (-72



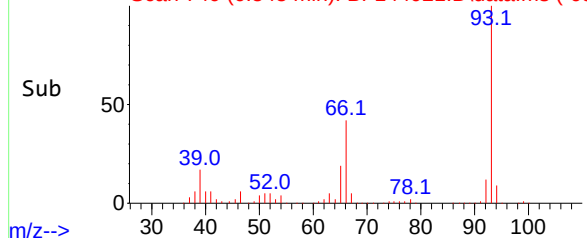
m/z-->

Abundance Scan 740 (6.545 min): BF144021.D\data.ms



m/z-->

Abundance Scan 740 (6.545 min): BF144021.D\data.ms (-69



m/z-->

#6

Aniline

Concen: 35.36 ng

RT: 6.545 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion: 93 Resp: 389317

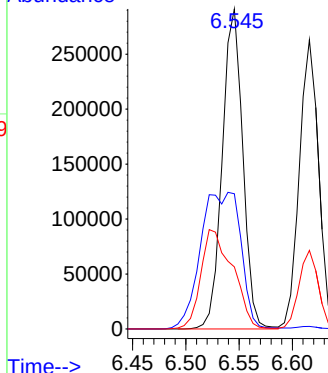
Ion Ratio Lower Upper

93 100

66 42.3 33.0 49.6

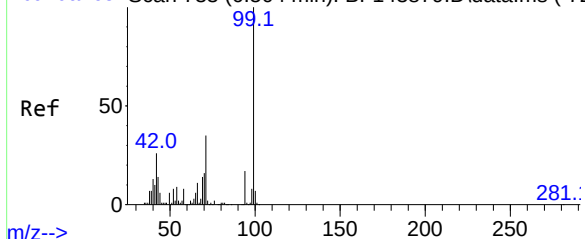
65 19.4 15.8 23.8

Abundance



Time-->

Abundance Scan 733 (6.504 min): BF143879.D\data.ms (-72



#7

Phenol-d6

Concen: 93.42 ng

RT: 6.510 min Scan# 711

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion: 99 Resp: 686364

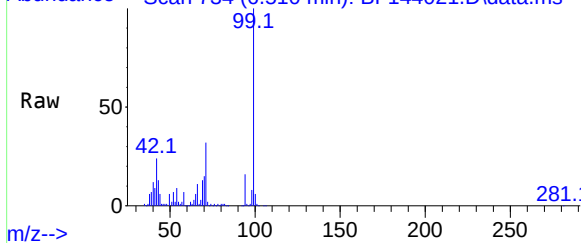
Ion Ratio Lower Upper

99 100

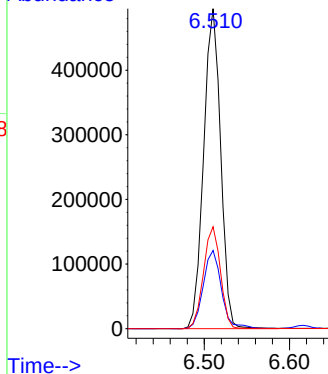
42 24.5 21.0 31.4

71 31.9 27.8 41.8

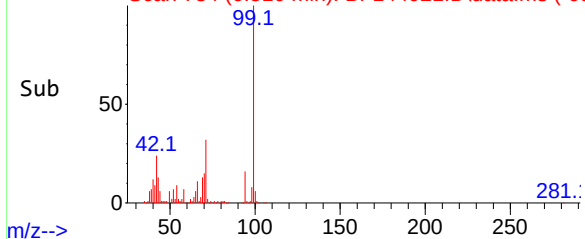
Abundance Scan 734 (6.510 min): BF144021.D\data.ms



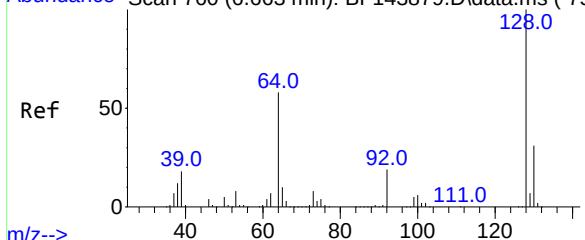
Abundance



Abundance Scan 734 (6.510 min): BF144021.D\data.ms (-68



Abundance Scan 760 (6.663 min): BF143879.D\data.ms (-75



#8

2-Chlorophenol

Concen: 48.39 ng

RT: 6.669 min Scan# 761

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion: 128 Resp: 291589

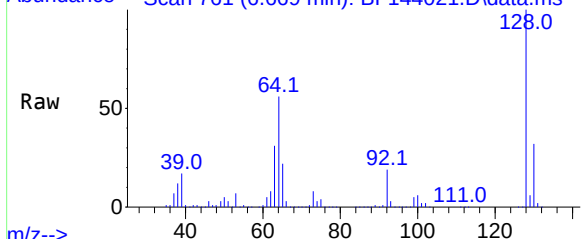
Ion Ratio Lower Upper

128 100

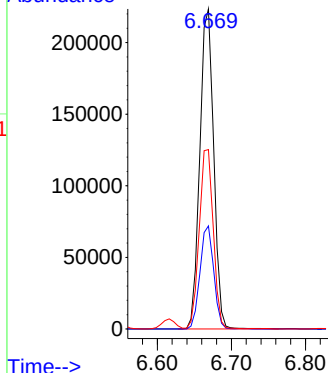
130 32.2 10.7 50.7

64 56.0 39.0 79.0

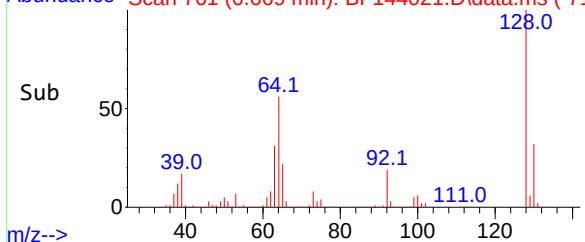
Abundance Scan 761 (6.669 min): BF144021.D\data.ms



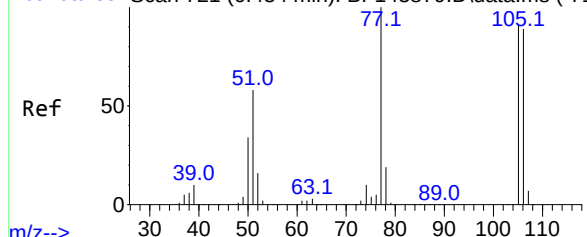
Abundance



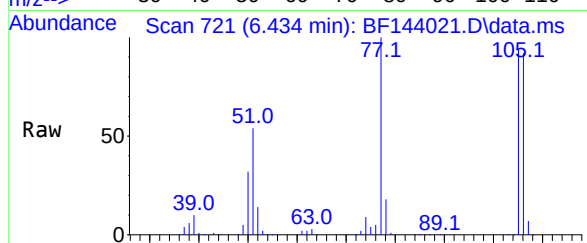
Abundance Scan 761 (6.669 min): BF144021.D\data.ms (-71



Abundance Scan 721 (6.434 min): BF143879.D\data.ms (-71

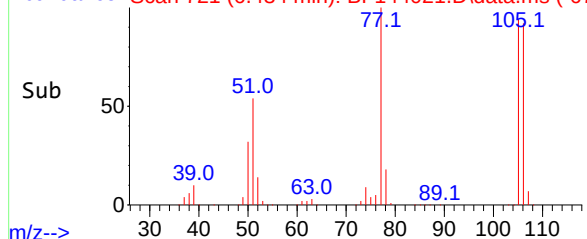


m/z-->



m/z-->

Abundance Scan 721 (6.434 min): BF144021.D\data.ms (-67



m/z-->

#9

Benzaldehyde

Concen: 27.66 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion: 77 Resp: 156751

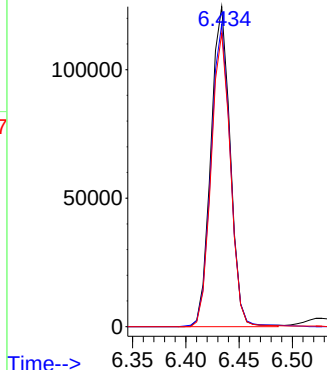
Ion Ratio Lower Upper

77 100

105 94.5 70.9 110.9

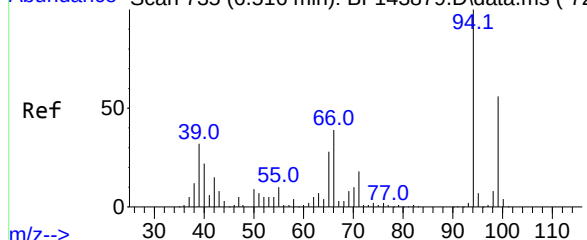
106 91.7 68.9 108.9

Abundance

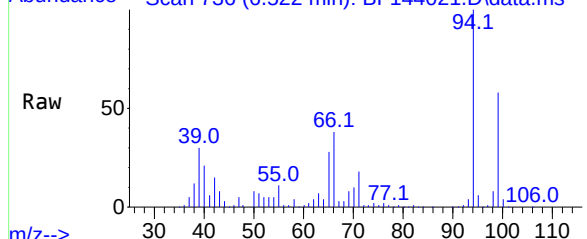


Time-->

Abundance Scan 735 (6.516 min): BF143879.D\data.ms (-72

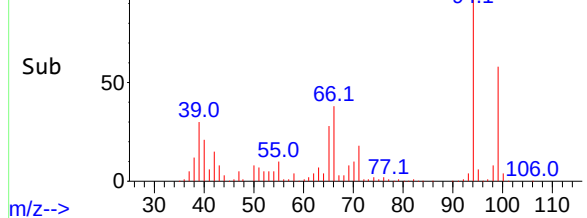


m/z-->



m/z-->

Abundance Scan 736 (6.522 min): BF144021.D\data.ms (-68



m/z-->

#10

Phenol

Concen: 49.57 ng

RT: 6.522 min Scan# 736

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion: 94 Resp: 435371

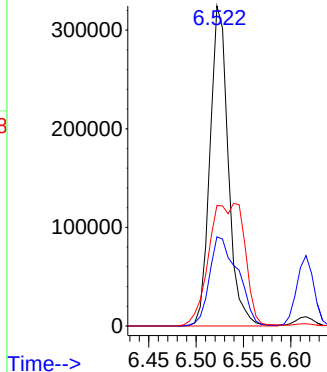
Ion Ratio Lower Upper

94 100

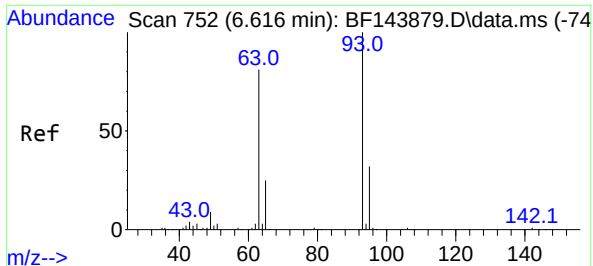
65 27.9 8.5 48.5

66 37.6 19.9 59.9

Abundance



Time-->



#11

bis(2-Chloroethyl)ether

Concen: 48.06 ng

RT: 6.616 min Scan# 752

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

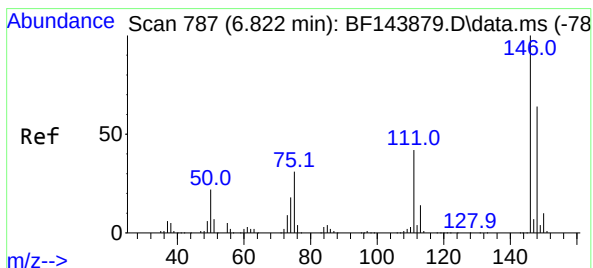
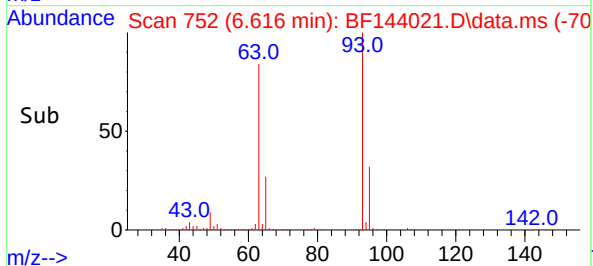
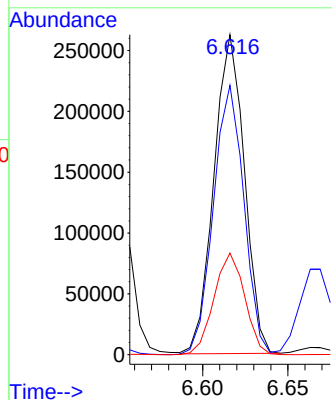
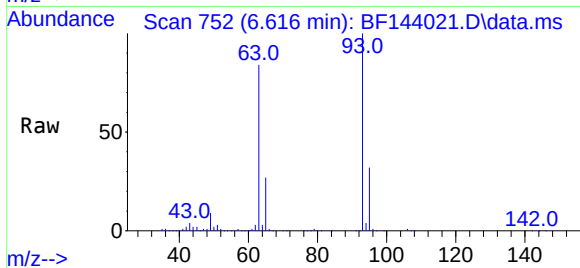
Tgt Ion: 93 Resp: 326113

Ion Ratio Lower Upper

93 100

63 84.2 60.9 100.9

95 31.8 11.5 51.5



#12

1,3-Dichlorobenzene

Concen: 48.50 ng

RT: 6.822 min Scan# 787

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

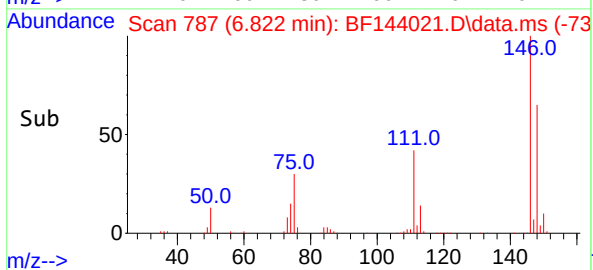
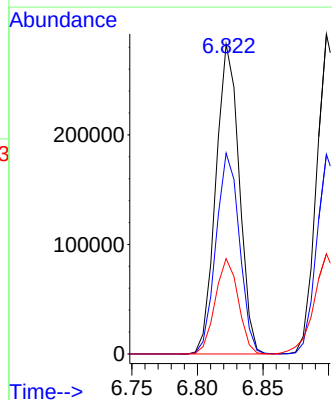
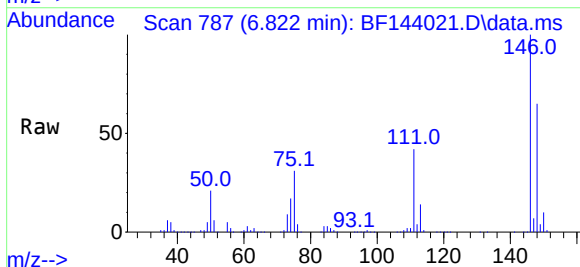
Tgt Ion: 146 Resp: 349785

Ion Ratio Lower Upper

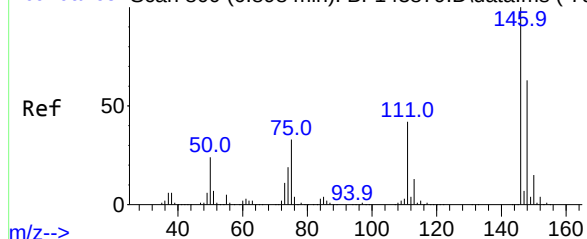
146 100

148 64.8 51.0 76.4

75 30.8 24.9 37.3

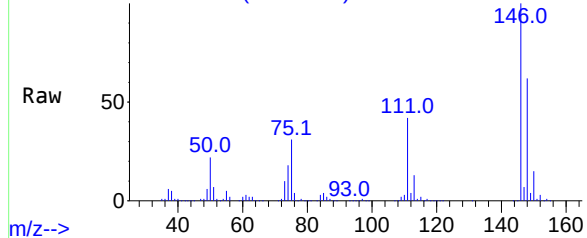


Abundance Scan 800 (6.898 min): BF143879.D\data.ms (-79



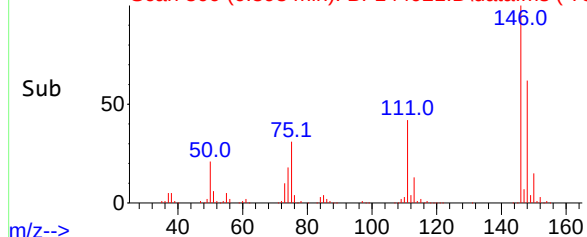
m/z-->

Abundance Scan 800 (6.898 min): BF144021.D\data.ms



m/z-->

Abundance Scan 800 (6.898 min): BF144021.D\data.ms (-75



m/z-->

#13

1,4-Dichlorobenzene

Concen: 50.73 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion:146 Resp: 360908

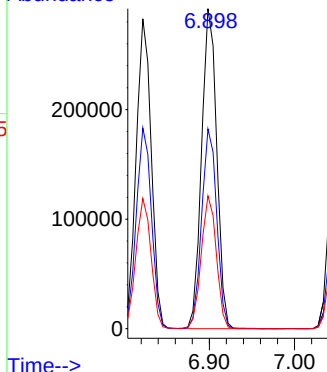
Ion Ratio Lower Upper

146 100

148 62.4 50.5 75.7

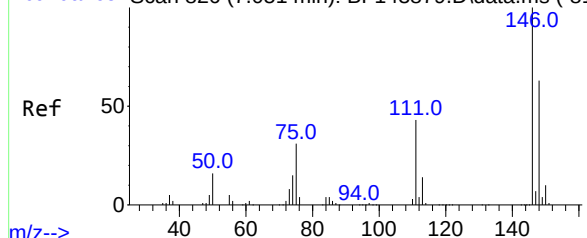
111 41.5 33.4 50.0

Abundance



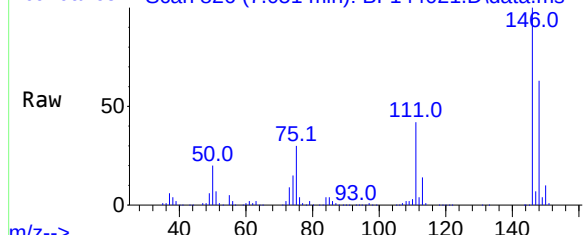
Time-->

Abundance Scan 826 (7.051 min): BF143879.D\data.ms (-81



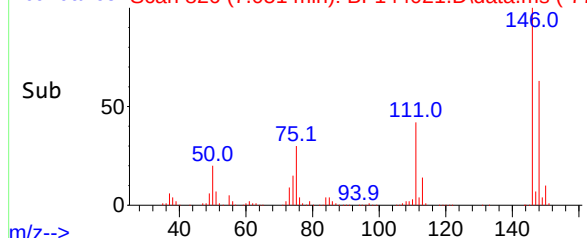
m/z-->

Abundance Scan 826 (7.051 min): BF144021.D\data.ms



m/z-->

Abundance Scan 826 (7.051 min): BF144021.D\data.ms (-77



m/z-->

#14

1,2-Dichlorobenzene

Concen: 49.83 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion:146 Resp: 339575

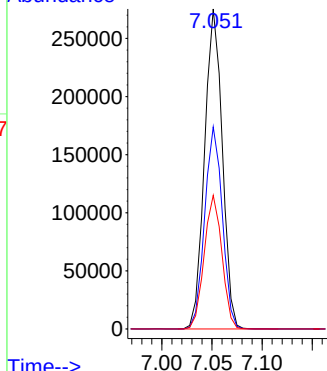
Ion Ratio Lower Upper

146 100

148 63.2 50.6 75.8

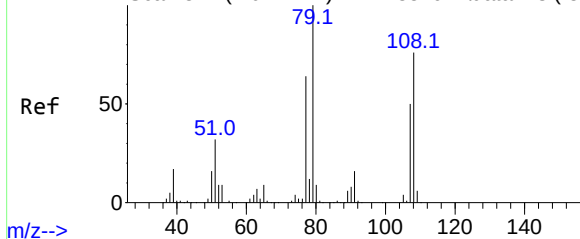
111 41.7 34.6 51.8

Abundance

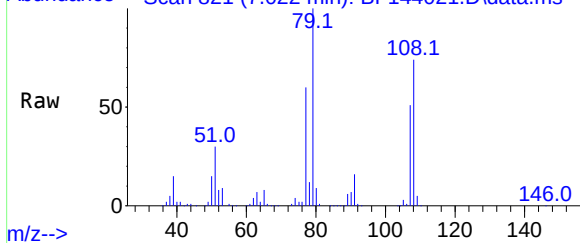


Time-->

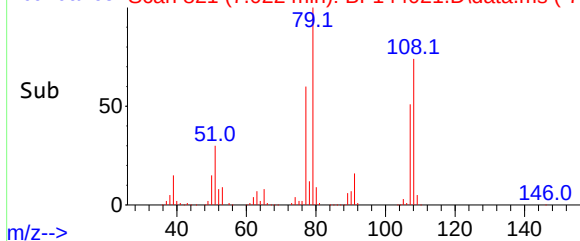
Abundance Scan 821 (7.022 min): BF143879.D\data.ms (-81



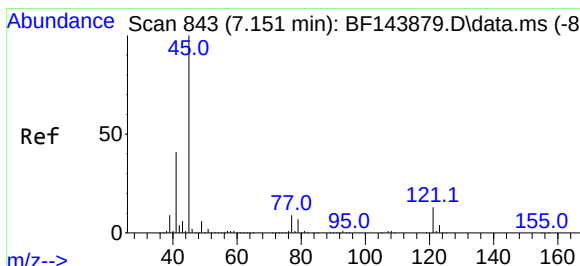
m/z--> Abundance Scan 821 (7.022 min): BF144021.D\data.ms



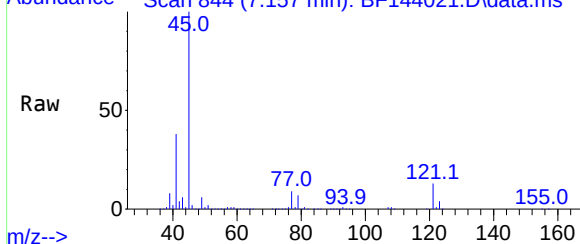
m/z--> Abundance Scan 821 (7.022 min): BF144021.D\data.ms (-77



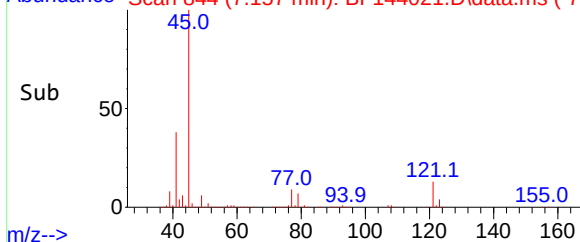
m/z--> Abundance Scan 843 (7.151 min): BF143879.D\data.ms (-83



m/z--> Abundance Scan 844 (7.157 min): BF144021.D\data.ms



m/z--> Abundance Scan 844 (7.157 min): BF144021.D\data.ms (-79



m/z--> Abundance

#15

Benzyl Alcohol

Concen: 49.64 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion: 79 Resp: 273254

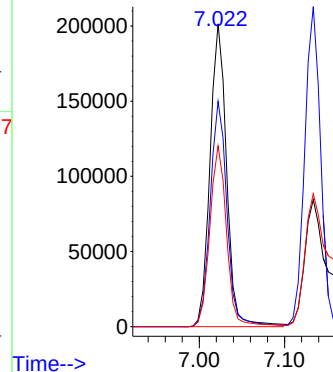
Ion Ratio Lower Upper

79 100

108 74.4 60.8 91.2

77 59.7 51.0 76.6

Abundance



Time-->

#16

2,2'-oxybis(1-Chloropropane)

Concen: 48.53 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion: 45 Resp: 749548

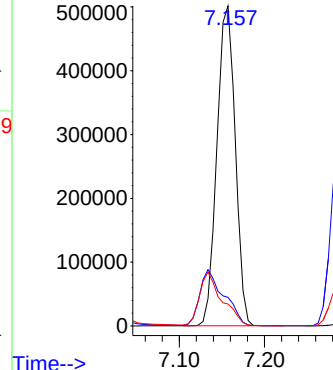
Ion Ratio Lower Upper

45 100

77 9.0 0.0 29.0

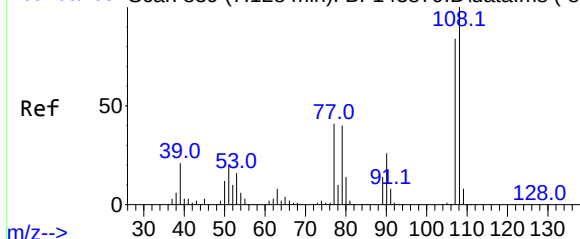
79 6.9 0.0 26.8

Abundance



Time-->

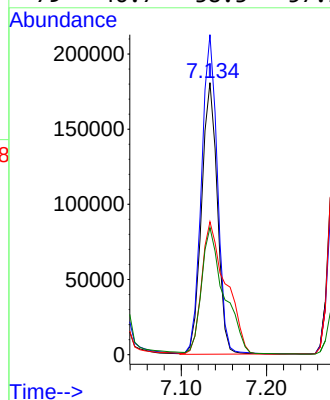
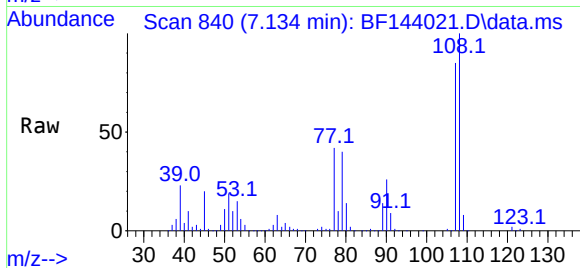
Abundance Scan 839 (7.128 min): BF143879.D\data.ms (-83



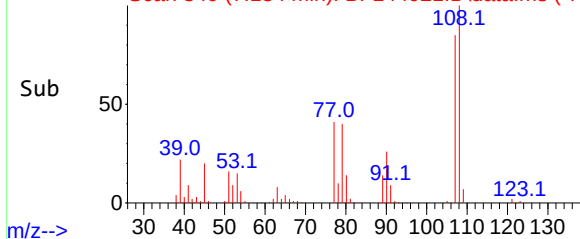
#17
2-Methylphenol
Concen: 46.75 ng
RT: 7.134 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

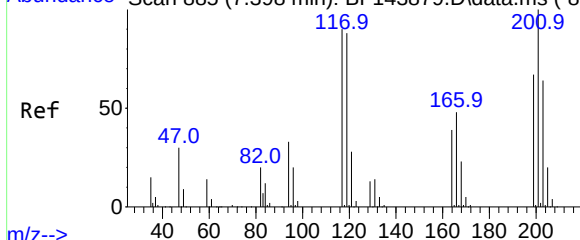
Tgt Ion:107 Resp: 232802
Ion Ratio Lower Upper
107 100
108 117.7 94.7 142.1
77 48.9 38.8 58.2
79 46.7 38.3 57.5



Abundance Scan 840 (7.134 min): BF144021.D\data.ms (-78

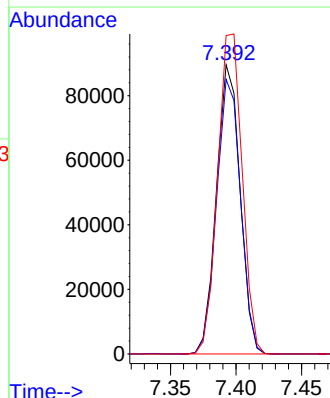
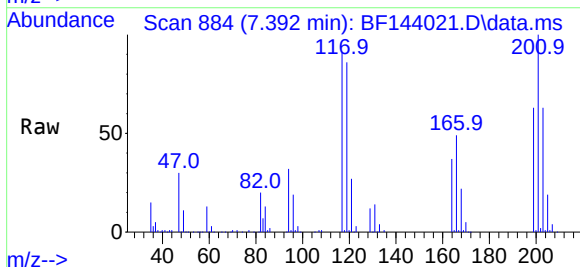


Abundance Scan 885 (7.398 min): BF143879.D\data.ms (-87

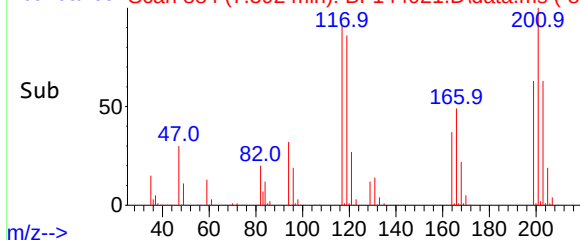


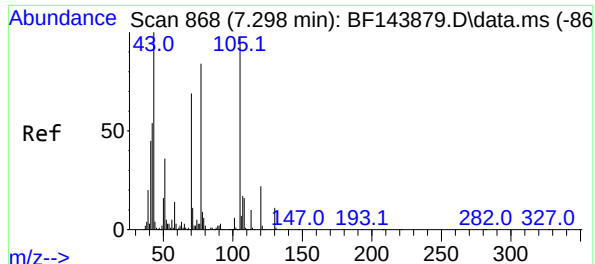
#18
Hexachloroethane
Concen: 47.27 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:117 Resp: 112145
Ion Ratio Lower Upper
117 100
119 94.9 77.8 116.8
201 110.0 88.5 132.7



Abundance Scan 884 (7.392 min): BF144021.D\data.ms (-83





#19

n-Nitroso-di-n-propylamine

Concen: 44.95 ng

RT: 7.292 min Scan# 868

Delta R.T. -0.023 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion: 70 Resp: 226038

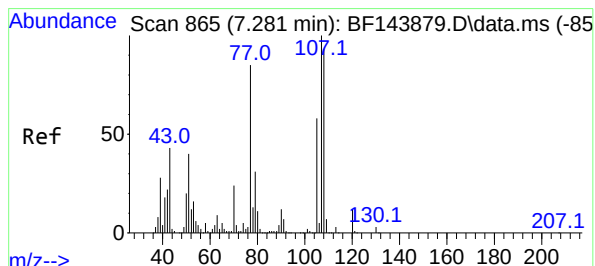
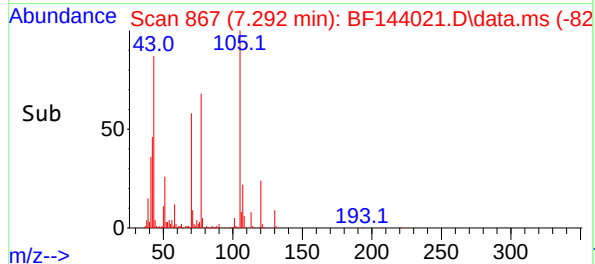
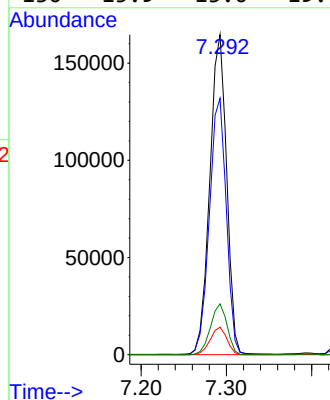
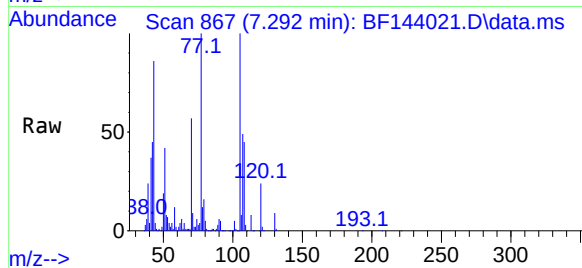
Ion Ratio Lower Upper

70 100

42 80.1 62.8 94.2

101 8.6 6.7 10.1

130 15.9 13.0 19.4



#20

3+4-Methylphenols

Concen: 47.49 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion: 107 Resp: 274080

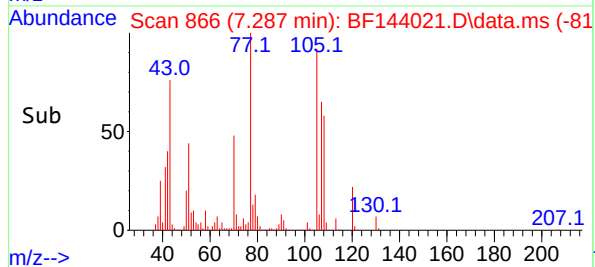
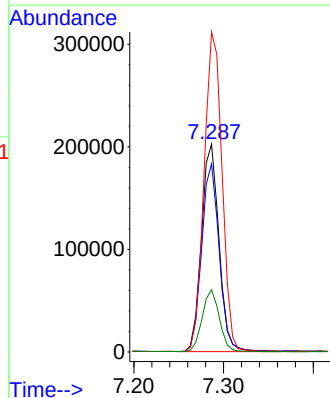
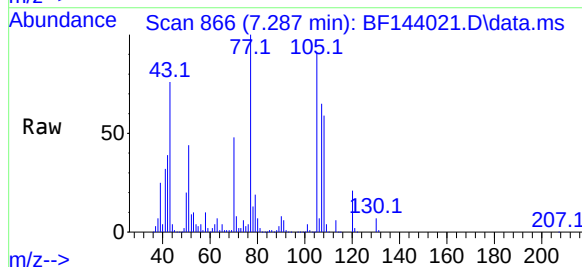
Ion Ratio Lower Upper

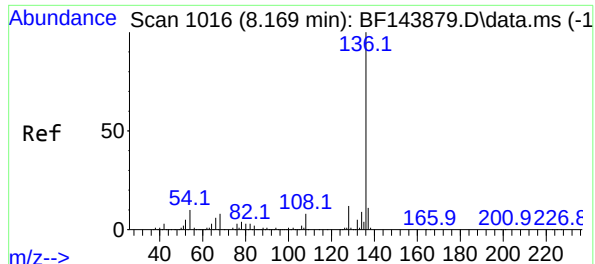
107 100

108 90.5 73.0 113.0

77 153.9 64.6 104.6#

79 29.9 11.5 51.5





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.163 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion:136 Resp: 362327

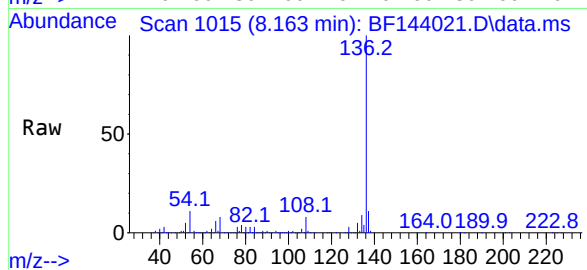
Ion Ratio Lower Upper

136 100

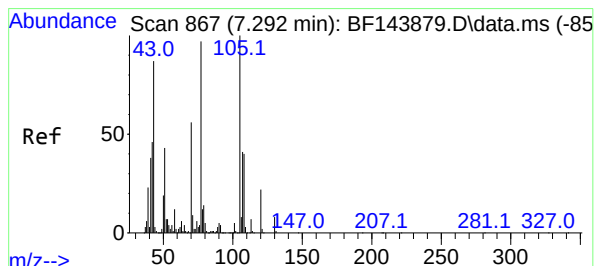
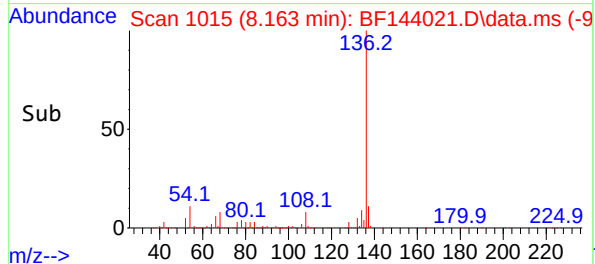
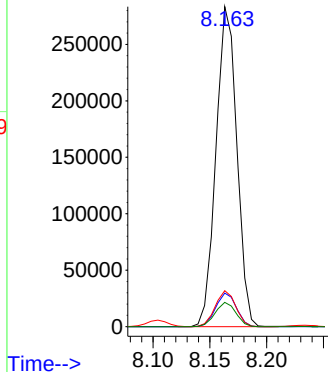
137 10.5 8.5 12.7

54 11.2 8.2 12.4

68 7.6 6.2 9.4



Abundance



#22

Acetophenone

Concen: 53.22 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion:105 Resp: 407740

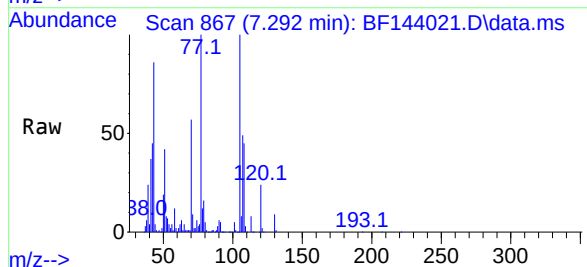
Ion Ratio Lower Upper

105 100

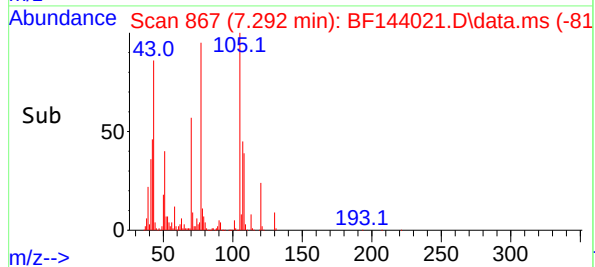
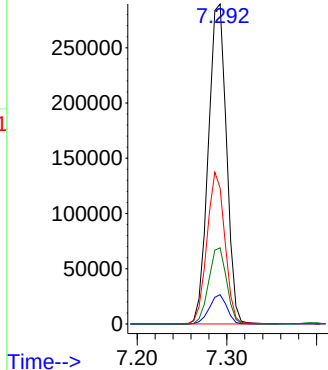
71 9.1 7.4 11.0

51 42.5 34.2 51.4

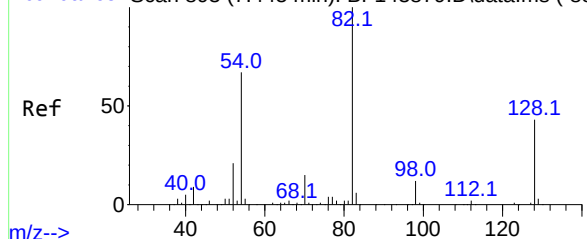
120 23.8 17.7 26.5



Abundance



Abundance Scan 893 (7.445 min): BF143879.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 63.32 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion: 82 Resp: 377645

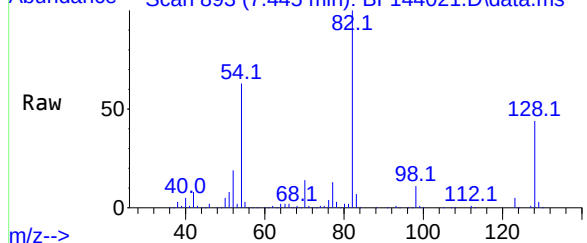
Ion Ratio Lower Upper

82 100

128 43.7 34.0 51.0

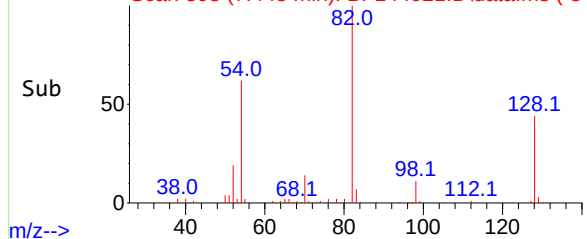
54 62.5 53.2 79.8

Abundance Scan 893 (7.445 min): BF144021.D\data.ms



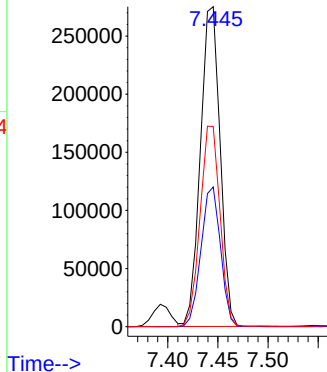
m/z-->

Abundance Scan 893 (7.445 min): BF144021.D\data.ms (-84



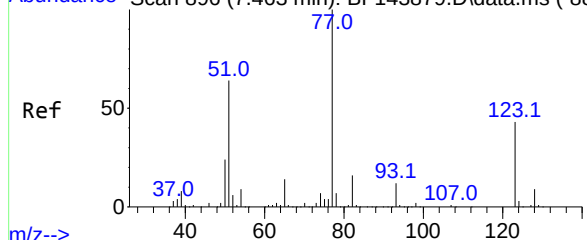
m/z-->

Abundance



Time-->

Abundance Scan 896 (7.463 min): BF143879.D\data.ms (-88



#24

Nitrobenzene

Concen: 50.46 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion: 77 Resp: 334164

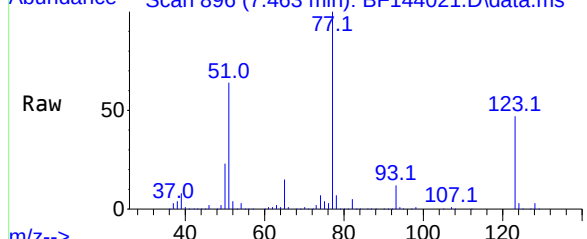
Ion Ratio Lower Upper

77 100

123 46.6 34.2 51.4

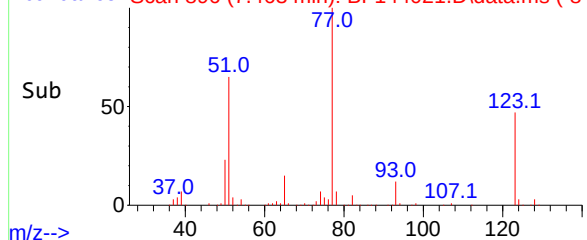
65 14.6 11.0 16.6

Abundance Scan 896 (7.463 min): BF144021.D\data.ms



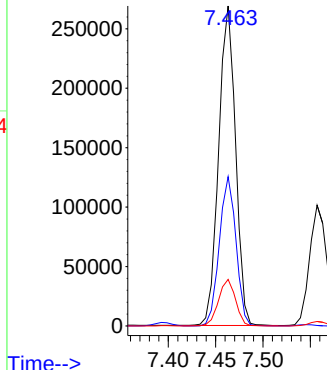
m/z-->

Abundance Scan 896 (7.463 min): BF144021.D\data.ms (-84



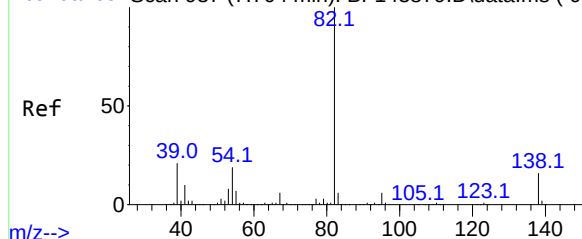
m/z-->

Abundance



Time-->

Abundance Scan 937 (7.704 min): BF143879.D\data.ms (-93



#25

Isophorone

Concen: 47.43 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.023 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

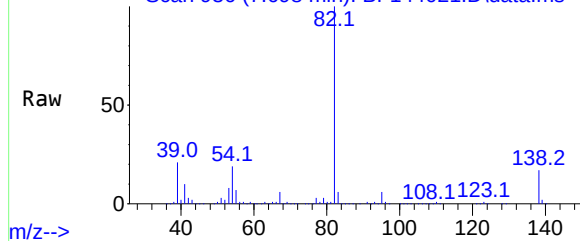
BNA_F

ClientSampleId :

41-LBMS

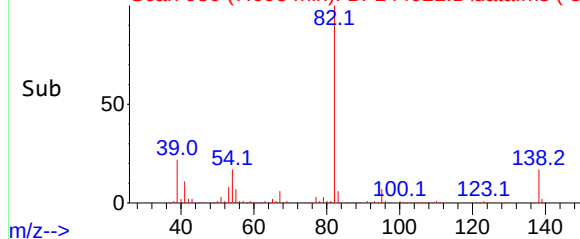
m/z-->

Abundance Scan 936 (7.698 min): BF144021.D\data.ms



m/z-->

Abundance Scan 936 (7.698 min): BF144021.D\data.ms (-88



m/z-->

Tgt Ion: 82 Resp: 596412

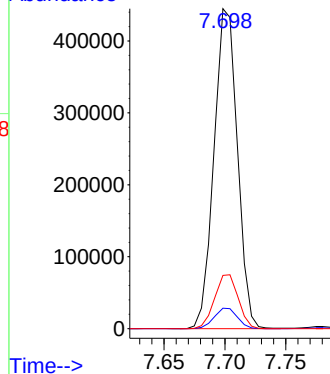
Ion Ratio Lower Upper

82 100

95 6.4 5.1 7.7

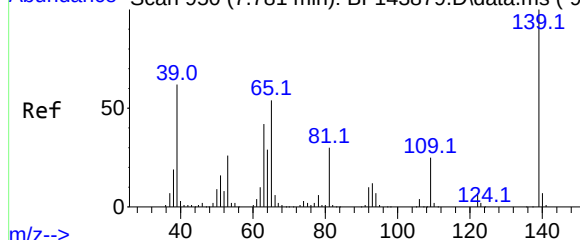
138 16.7 12.9 19.3

Abundance



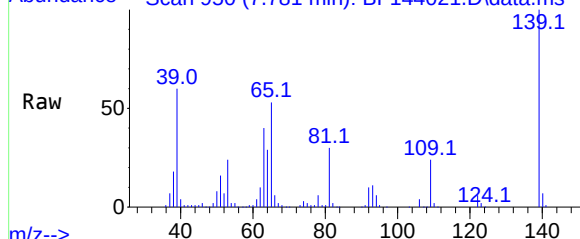
Time-->

Abundance Scan 950 (7.781 min): BF143879.D\data.ms (-94



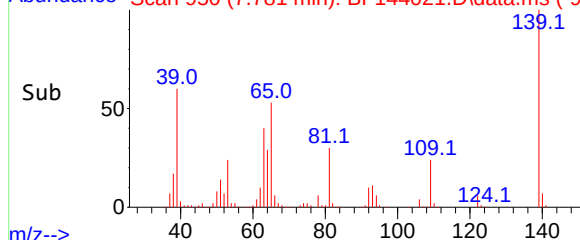
m/z-->

Abundance Scan 950 (7.781 min): BF144021.D\data.ms



m/z-->

Abundance Scan 950 (7.781 min): BF144021.D\data.ms (-90



m/z-->

#26

2-Nitrophenol

Concen: 55.29 ng

RT: 7.781 min Scan# 950

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion: 139 Resp: 156979

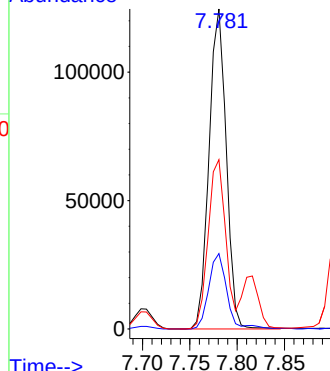
Ion Ratio Lower Upper

139 100

109 23.6 19.8 29.6

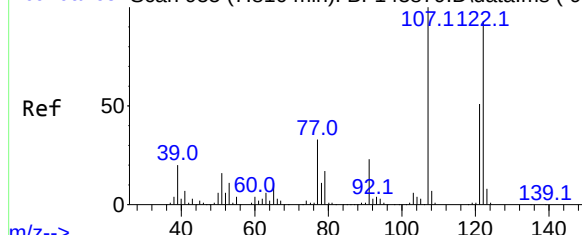
65 52.9 42.9 64.3

Abundance



Time-->

Abundance Scan 955 (7.810 min): BF143879.D\data.ms (-94



#27

2,4-Dimethylphenol

Concen: 54.25 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion:122 Resp: 277081

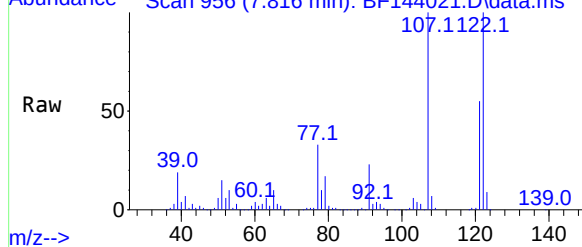
Ion Ratio Lower Upper

122 100

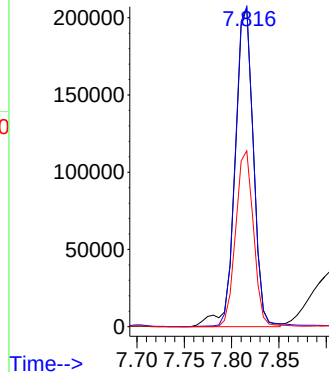
107 100.5 86.1 129.1

121 55.2 43.8 65.6

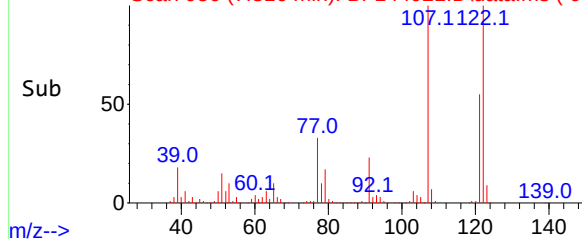
Abundance Scan 956 (7.816 min): BF144021.D\data.ms



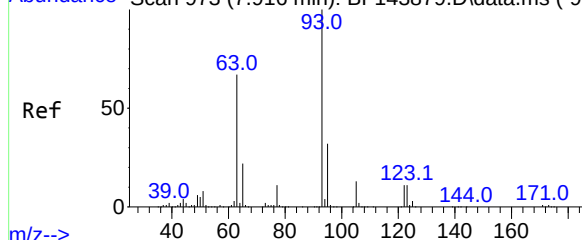
Abundance



Abundance Scan 956 (7.816 min): BF144021.D\data.ms (-90



Abundance Scan 973 (7.916 min): BF143879.D\data.ms (-96



#28

bis(2-Chloroethoxy)methane

Concen: 49.18 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion: 93 Resp: 390627

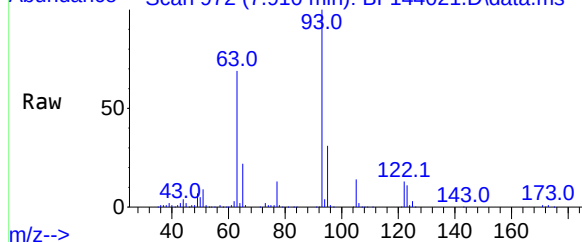
Ion Ratio Lower Upper

93 100

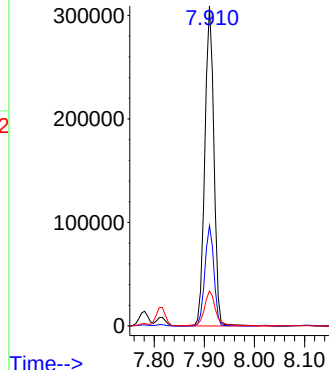
95 31.3 25.9 38.9

123 11.0 9.4 14.0

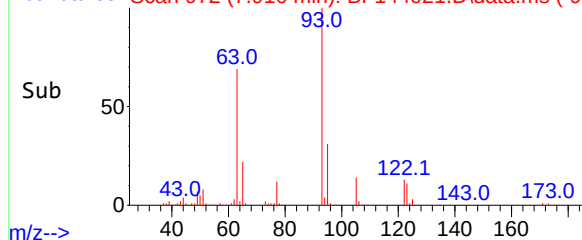
Abundance Scan 972 (7.910 min): BF144021.D\data.ms



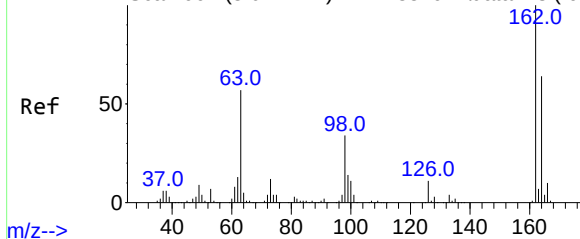
Abundance



Abundance Scan 972 (7.910 min): BF144021.D\data.ms (-92



Abundance Scan 991 (8.022 min): BF143879.D\data.ms (-98



#29

2,4-Dichlorophenol

Concen: 47.35 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

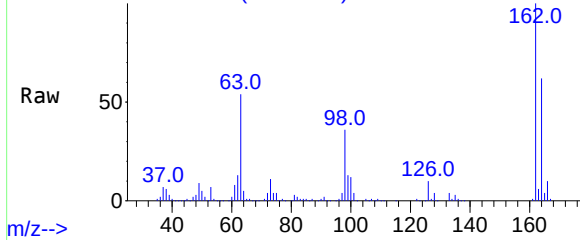
BNA_F

ClientSampleId :

41-LBMS

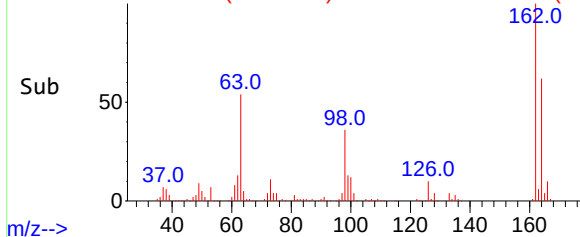
m/z-->

Abundance Scan 991 (8.022 min): BF144021.D\data.ms



m/z-->

Abundance Scan 991 (8.022 min): BF144021.D\data.ms (-94



m/z-->

Tgt Ion:162 Resp: 251894

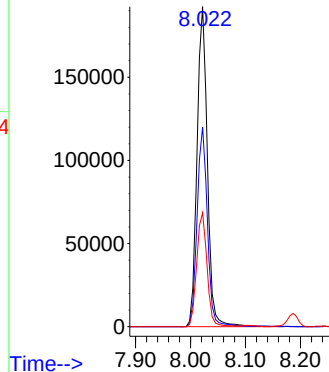
Ion Ratio Lower Upper

162 100

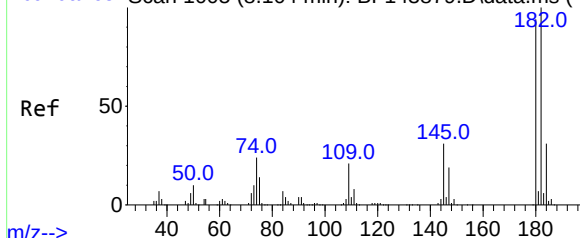
164 62.4 43.9 83.9

98 35.6 14.4 54.4

Abundance

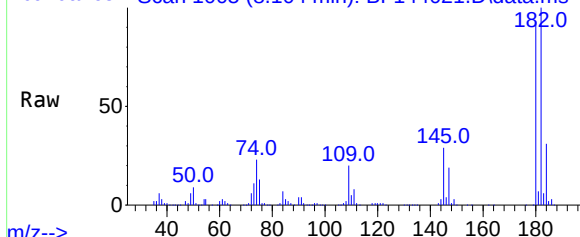


Abundance Scan 1005 (8.104 min): BF143879.D\data.ms (-9



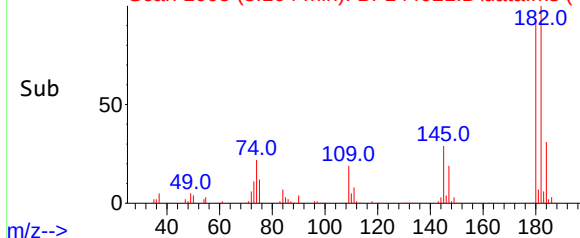
m/z-->

Abundance Scan 1005 (8.104 min): BF144021.D\data.ms



m/z-->

Abundance Scan 1005 (8.104 min): BF144021.D\data.ms (-9



m/z-->

#30

1,2,4-Trichlorobenzene

Concen: 50.72 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion:180 Resp: 265404

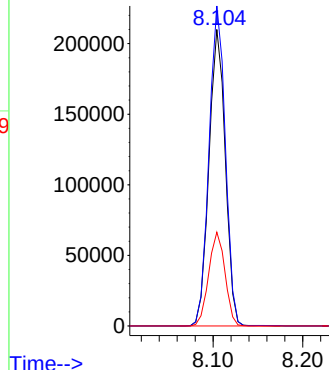
Ion Ratio Lower Upper

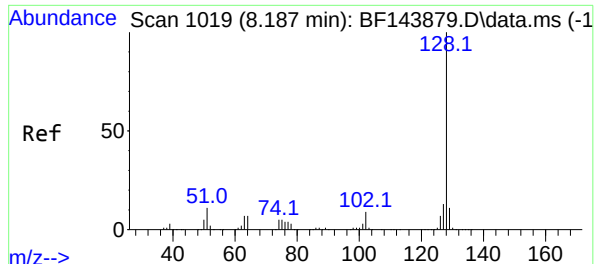
180 100

182 107.9 85.4 128.0

145 31.6 26.3 39.5

Abundance





#31

Naphthalene

Concen: 47.93 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

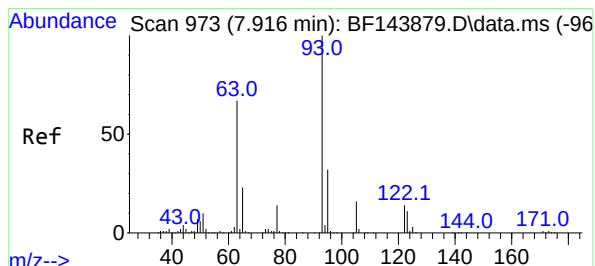
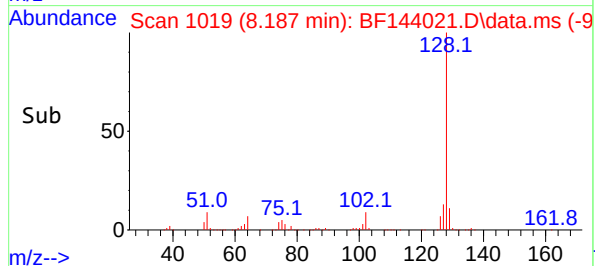
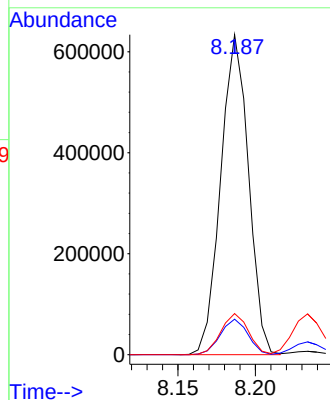
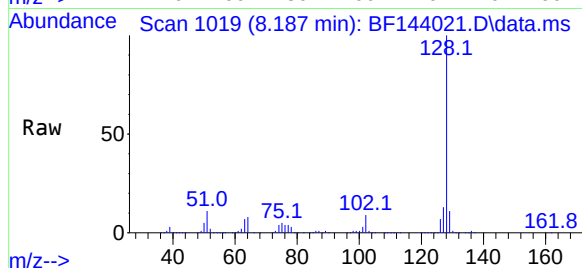
Tgt Ion:128 Resp: 789939

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

127 12.9 10.0 15.0



#32

Benzoic acid

Concen: 51.99 ng

RT: 7.928 min Scan# 975

Delta R.T. -0.035 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

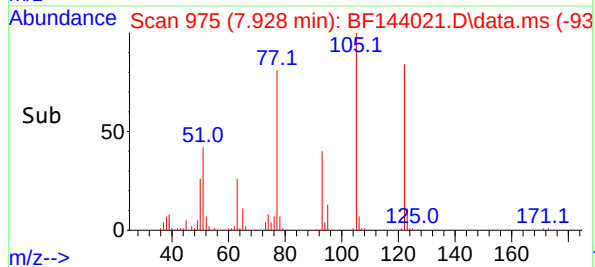
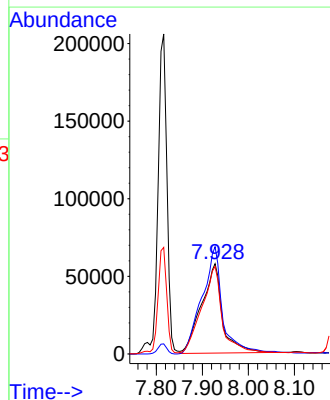
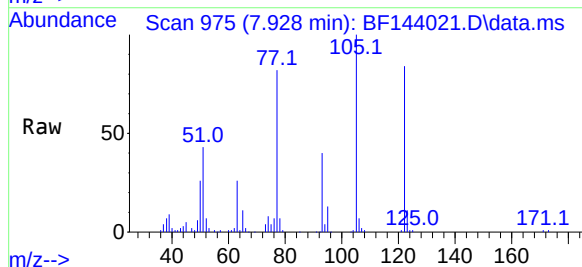
Tgt Ion:122 Resp: 183795

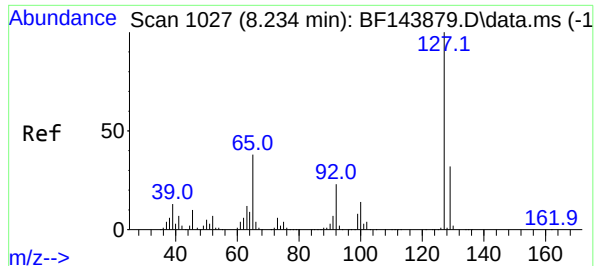
Ion Ratio Lower Upper

122 100

105 118.7 93.5 133.5

77 96.9 76.3 116.3





#33

4-Chloroaniline

Concen: 18.28 ng

RT: 8.234 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion:127 Resp: 112990

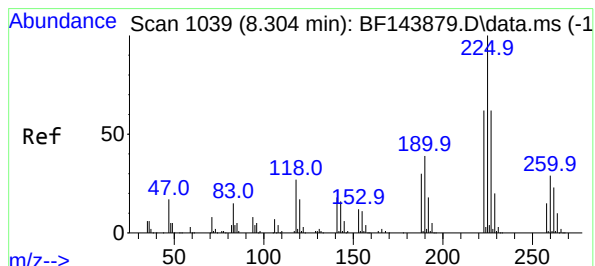
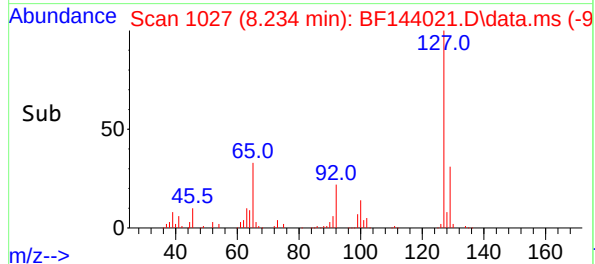
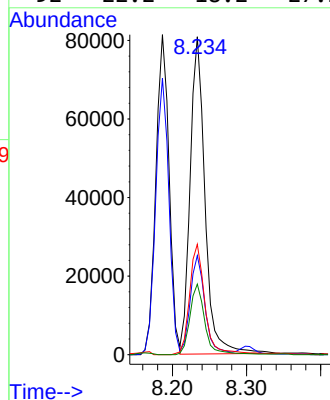
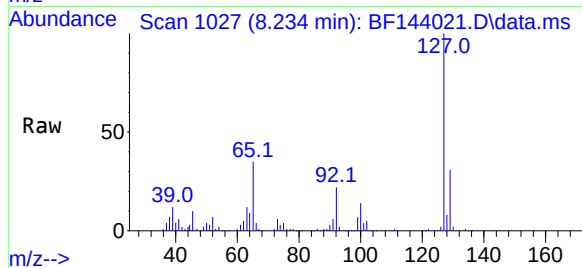
Ion Ratio Lower Upper

127 100

129 31.2 25.8 38.8

65 34.7 30.0 45.0

92 22.2 18.2 27.2



#34

Hexachlorobutadiene

Concen: 47.62 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

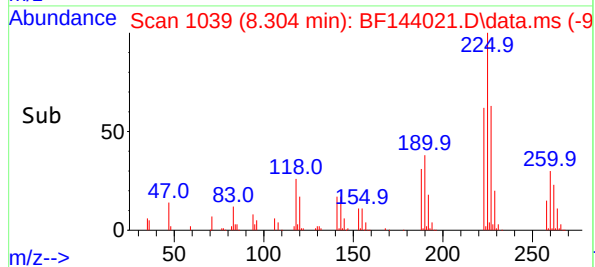
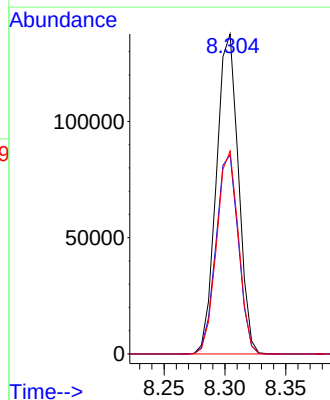
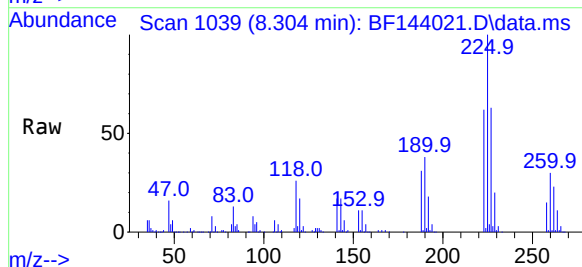
Tgt Ion:225 Resp: 173151

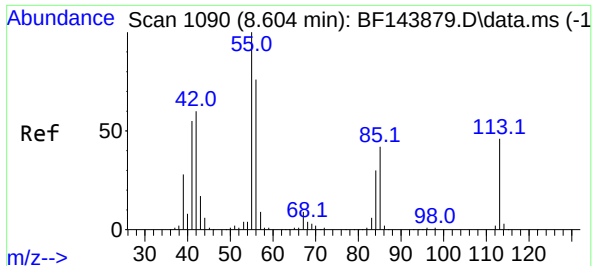
Ion Ratio Lower Upper

225 100

223 62.3 49.4 74.2

227 63.4 49.7 74.5

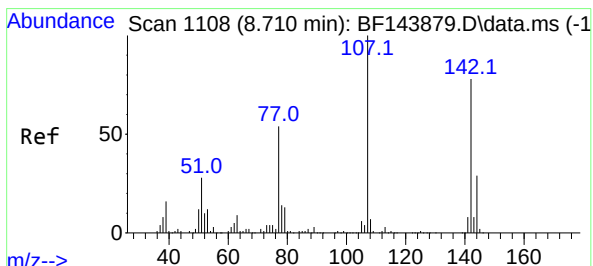
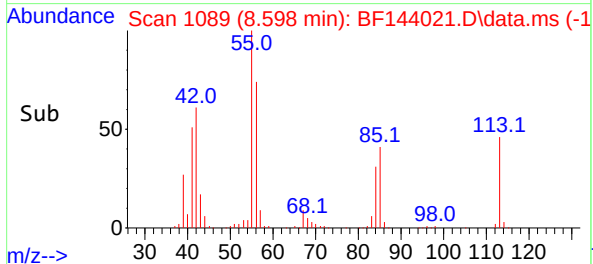
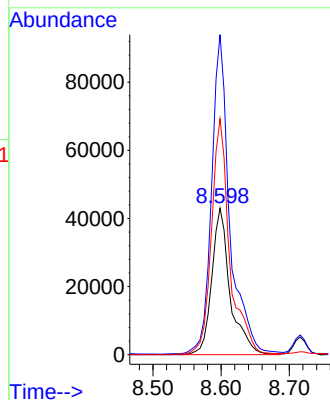
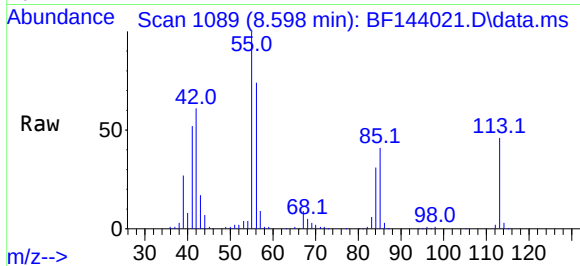




#35
 Caprolactam
 Concen: 47.82 ng
 RT: 8.598 min Scan# 1109
 Delta R.T. -0.047 min
 Lab File: BF144021.D
 Acq: 21 Oct 2025 19:28

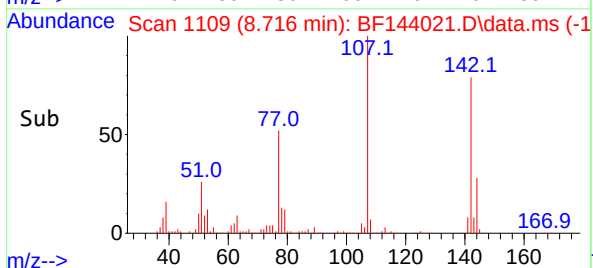
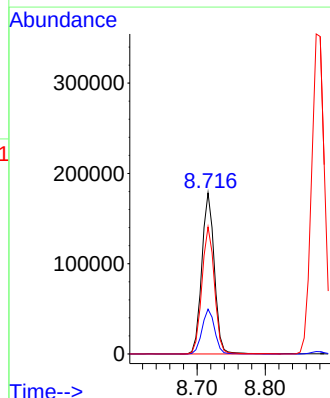
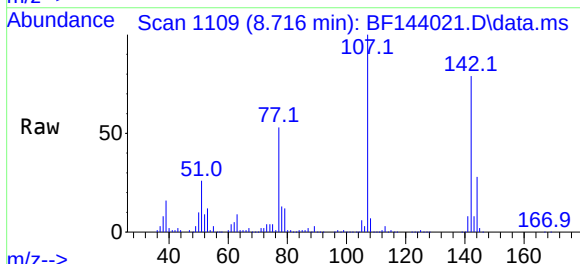
Instrument :
 BNA_F
 ClientSampleId :
 41-LBMS

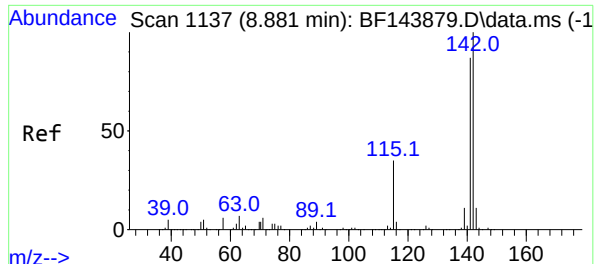
Tgt Ion:113 Resp: 80902
 Ion Ratio Lower Upper
 113 100
 55 218.6 199.6 239.6
 56 161.1 146.0 186.0



#36
 4-Chloro-3-methylphenol
 Concen: 44.69 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. -0.006 min
 Lab File: BF144021.D
 Acq: 21 Oct 2025 19:28

Tgt Ion:107 Resp: 228368
 Ion Ratio Lower Upper
 107 100
 144 27.8 23.1 34.7
 142 78.9 62.6 94.0





#37

2-Methylnaphthalene

Concen: 42.63 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

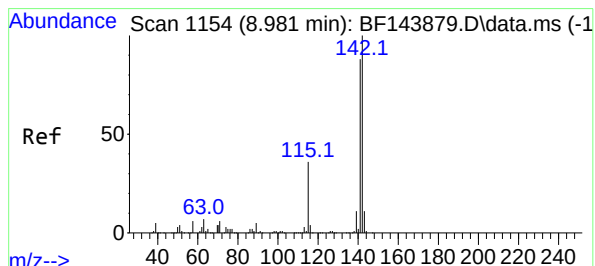
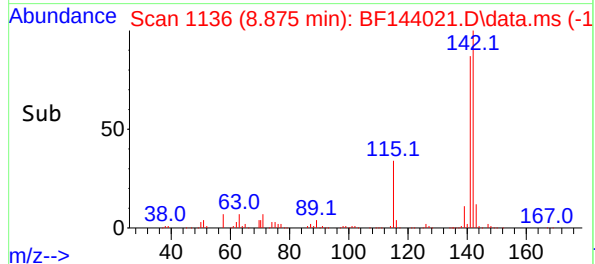
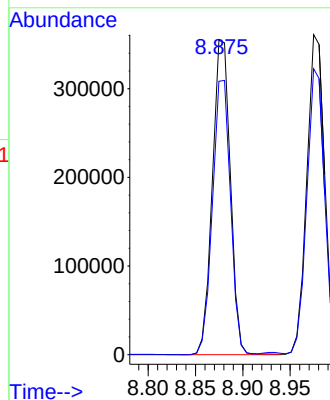
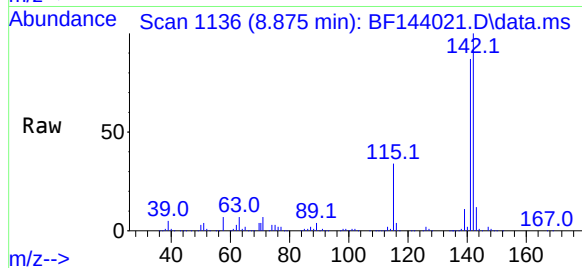
41-LBMS

Tgt Ion:142 Resp: 467991

Ion Ratio Lower Upper

142 100

141 87.0 69.2 103.8



#38

1-Methylnaphthalene

Concen: 44.15 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.011 min

Lab File: BF144021.D

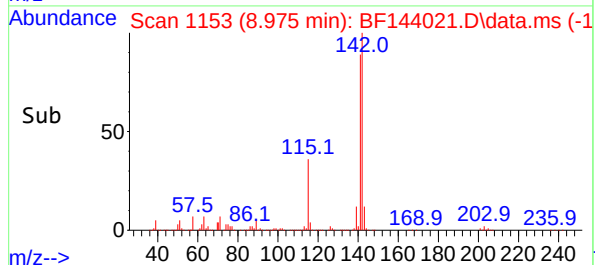
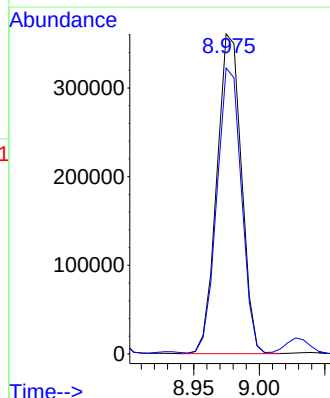
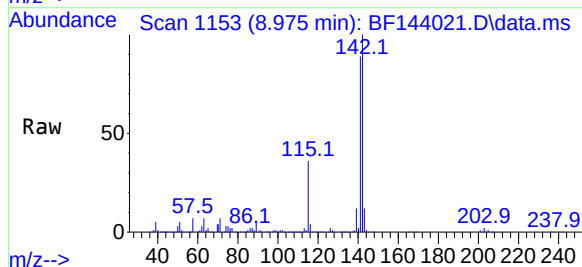
Acq: 21 Oct 2025 19:28

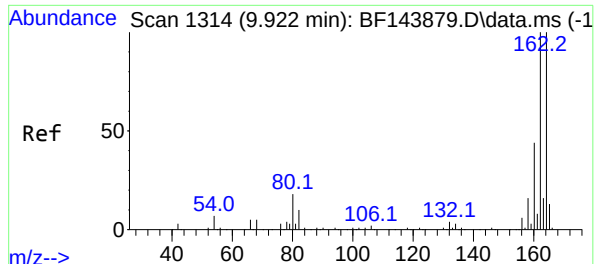
Tgt Ion:142 Resp: 470146

Ion Ratio Lower Upper

142 100

141 89.3 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

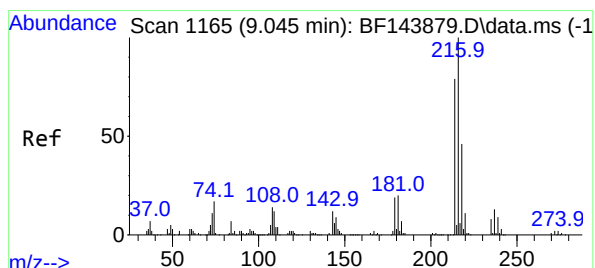
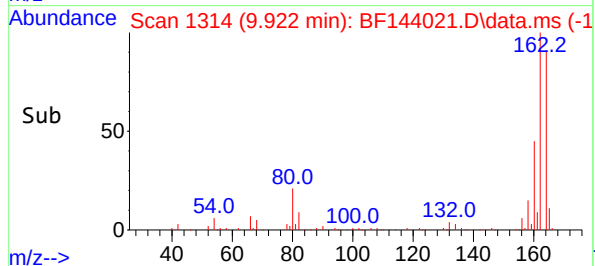
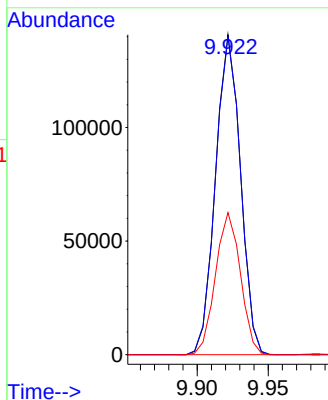
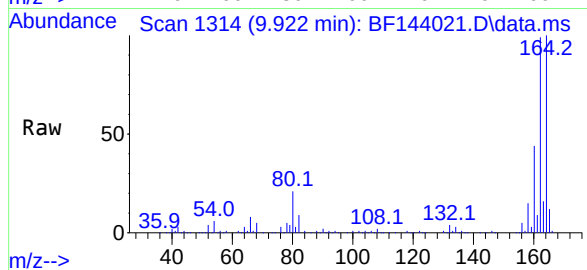
Tgt Ion:164 Resp: 171519

Ion Ratio Lower Upper

164 100

162 99.2 80.2 120.2

160 44.4 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.57 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion:216 Resp: 272902

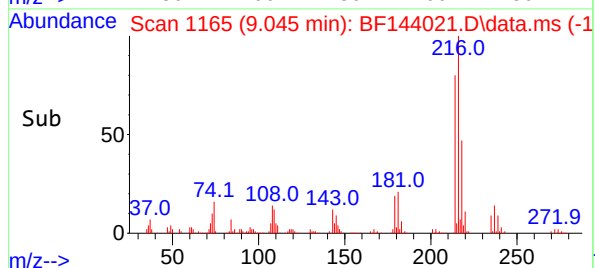
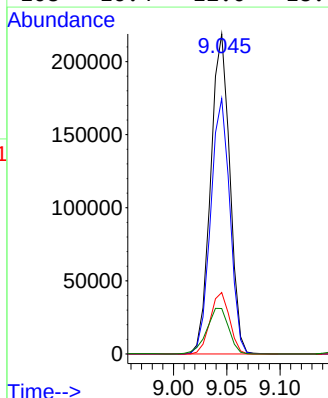
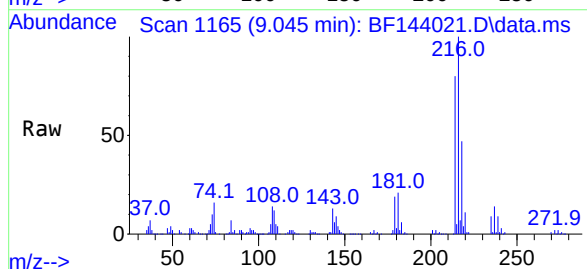
Ion Ratio Lower Upper

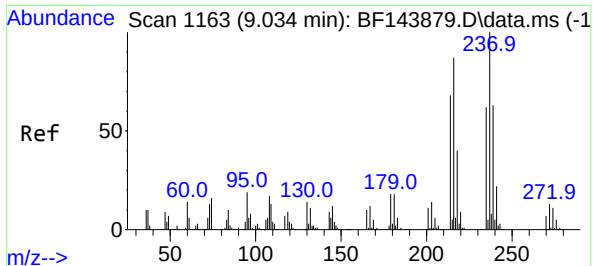
216 100

214 80.0 62.6 94.0

179 19.4 15.4 23.0

108 16.4 12.0 18.0

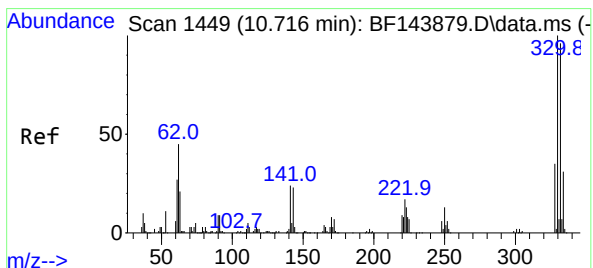
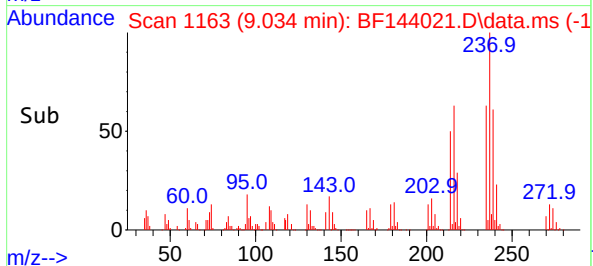
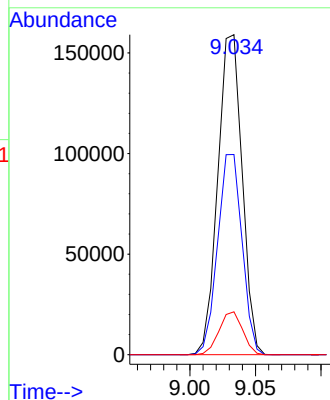
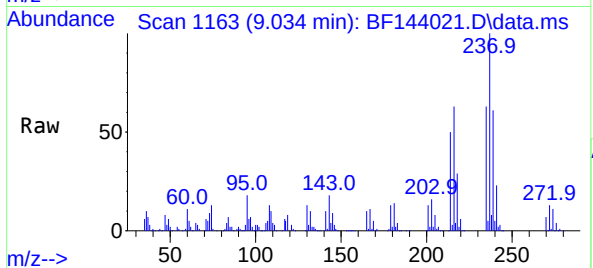




#41
Hexachlorocyclopentadiene
Concen: 104.41 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

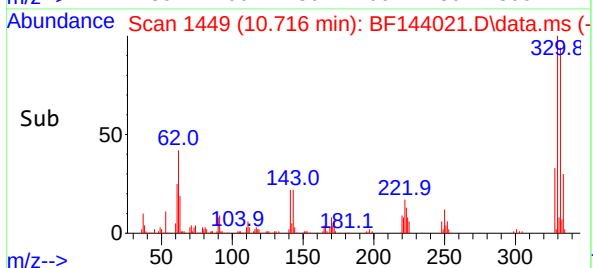
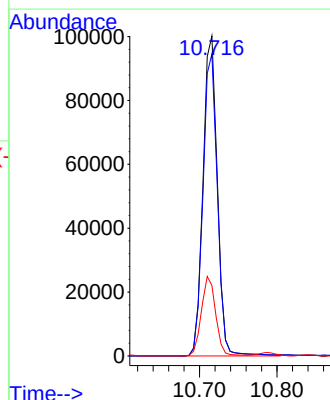
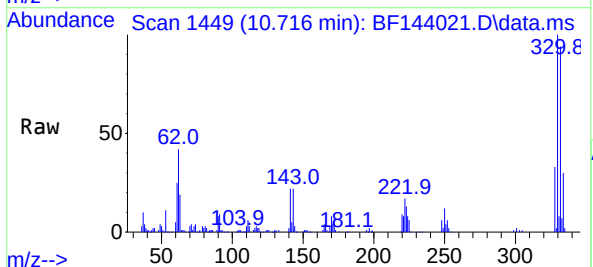
Instrument :
BNA_F
ClientSampleId :
41-LBMS

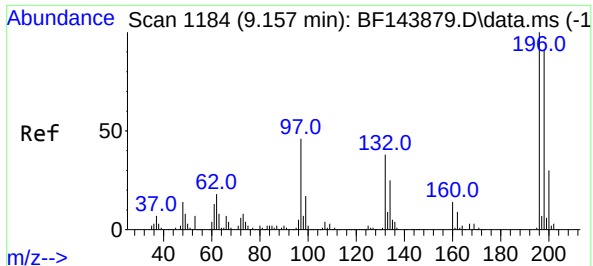
Tgt Ion:237 Resp: 205343
Ion Ratio Lower Upper
237 100
235 62.5 42.3 82.3
272 13.4 0.0 33.1



#42
2,4,6-Tribromophenol
Concen: 75.27 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:330 Resp: 128593
Ion Ratio Lower Upper
330 100
332 95.3 76.9 115.3
141 24.8 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 50.62 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

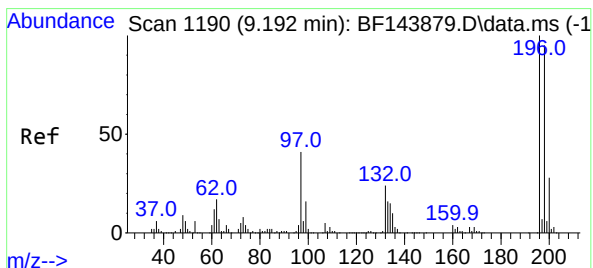
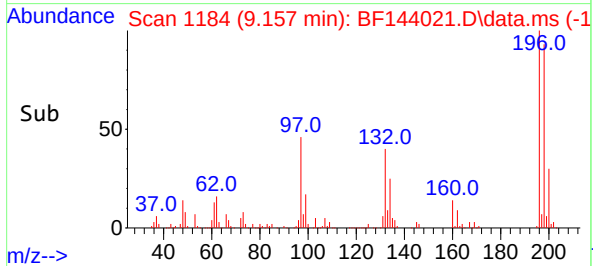
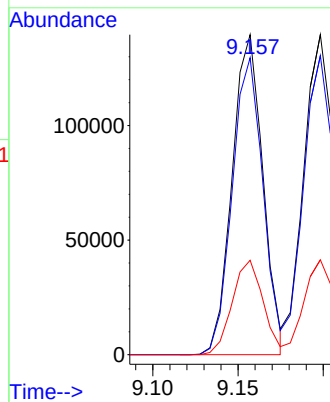
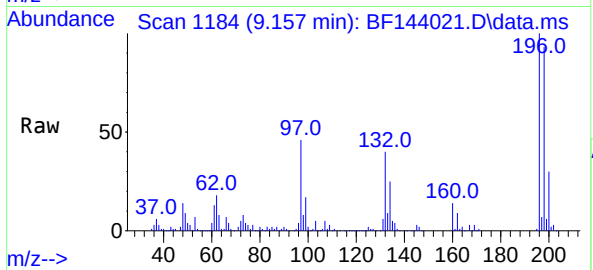
Tgt Ion:196 Resp: 175339

Ion Ratio Lower Upper

196 100

198 92.8 72.8 109.2

200 29.5 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 49.66 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion:196 Resp: 181781

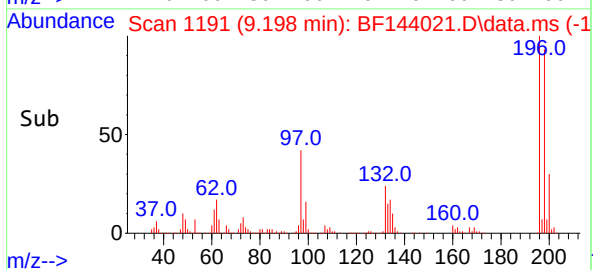
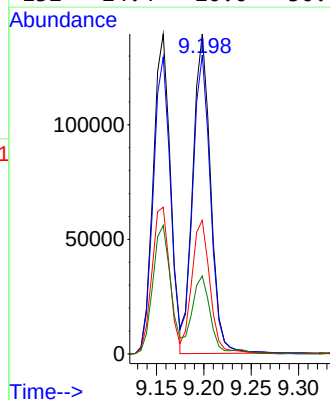
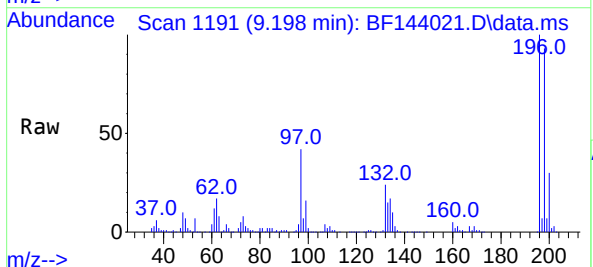
Ion Ratio Lower Upper

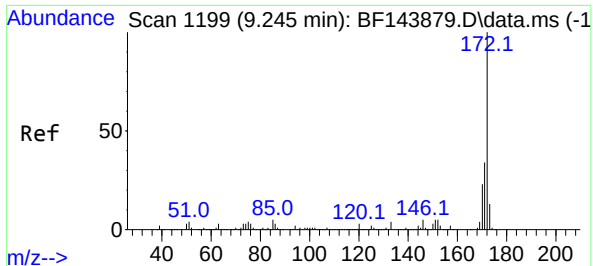
196 100

198 93.4 75.5 113.3

97 41.8 33.9 50.9

132 24.4 20.0 30.0





#45

2-Fluorobiphenyl

Concen: 46.50 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

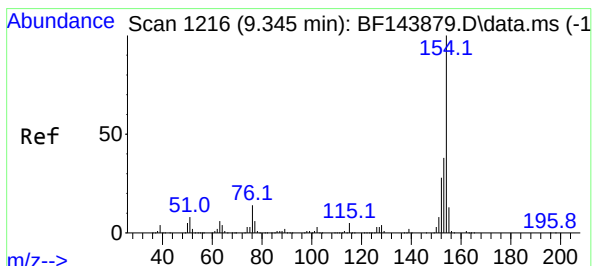
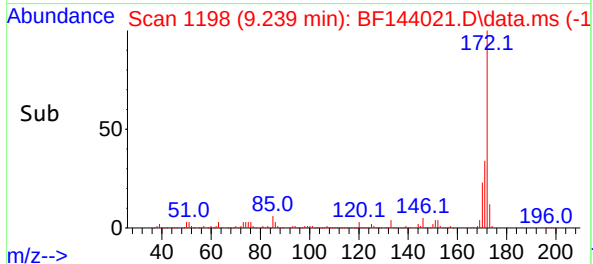
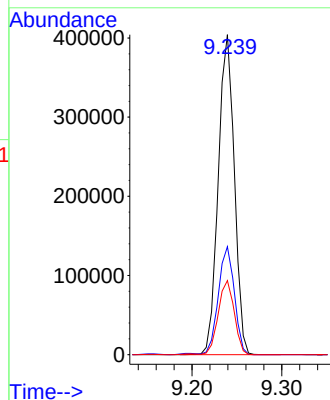
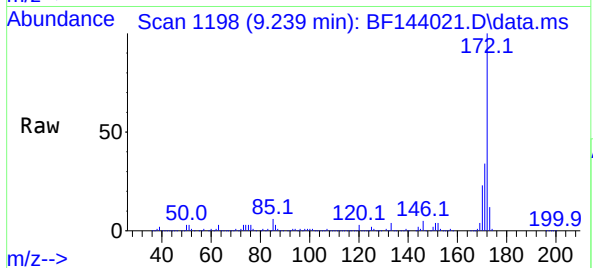
Tgt Ion:172 Resp: 502594

Ion Ratio Lower Upper

172 100

171 33.7 27.4 41.0

170 23.2 18.6 28.0



#46

1,1'-Biphenyl

Concen: 57.17 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

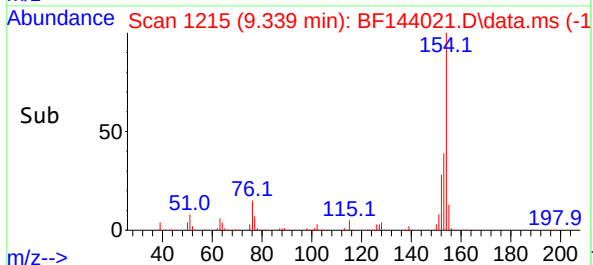
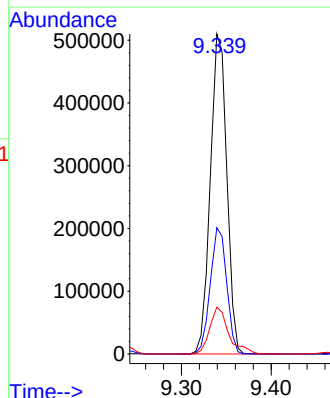
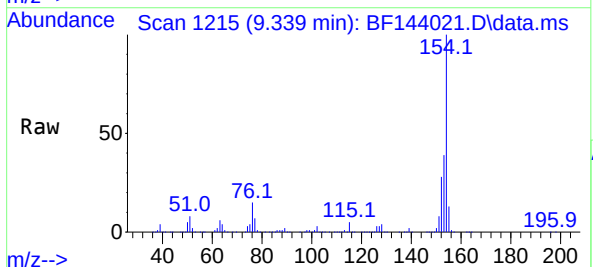
Tgt Ion:154 Resp: 649183

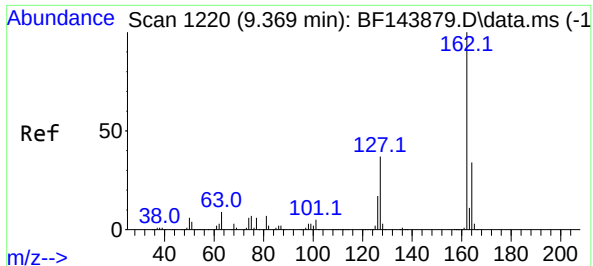
Ion Ratio Lower Upper

154 100

153 39.5 18.4 58.4

76 14.6 0.0 34.0





#47

2-Chloronaphthalene

Concen: 51.82 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

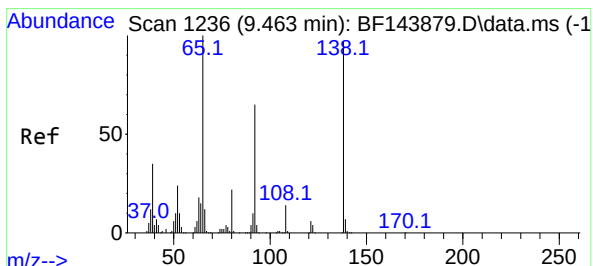
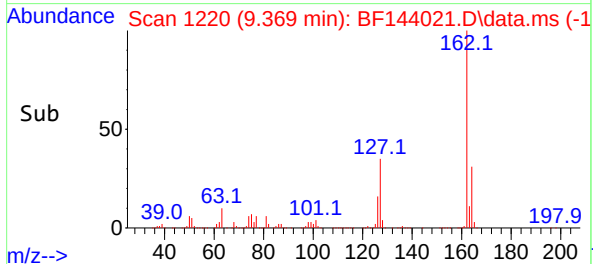
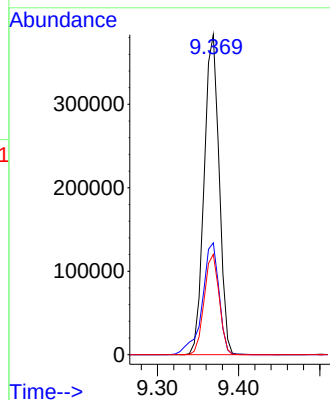
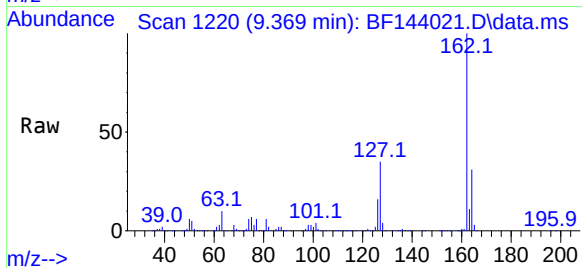
Tgt Ion:162 Resp: 490643

Ion Ratio Lower Upper

162 100

127 34.9 30.2 45.2

164 31.3 26.9 40.3



#48

2-Nitroaniline

Concen: 54.54 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

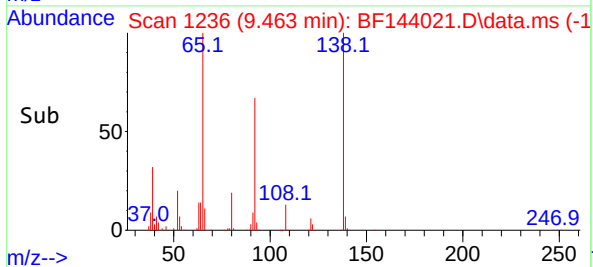
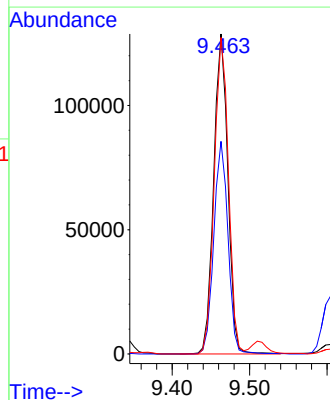
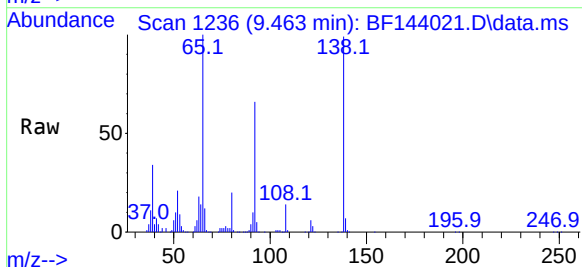
Tgt Ion: 65 Resp: 163271

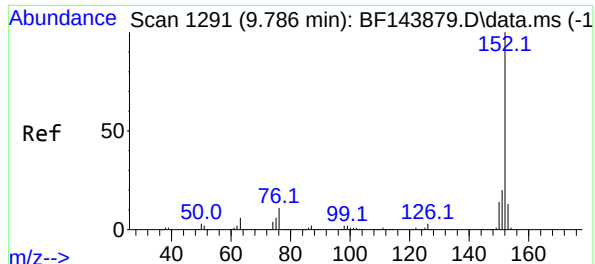
Ion Ratio Lower Upper

65 100

92 66.4 52.1 78.1

138 98.9 77.4 116.2





#49

Acenaphthylene

Concen: 57.11 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

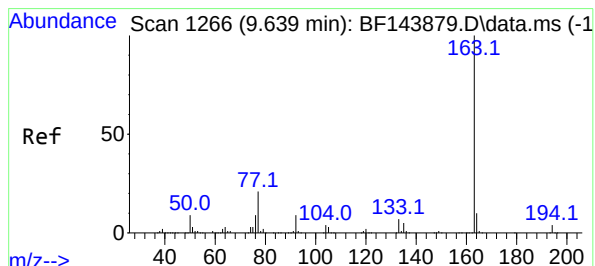
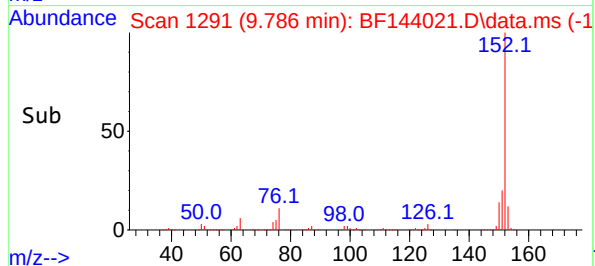
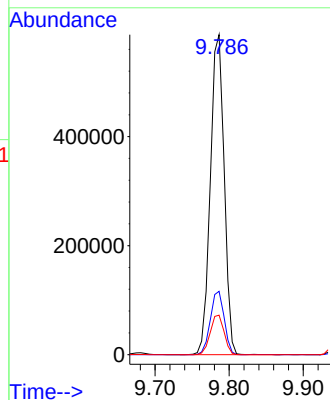
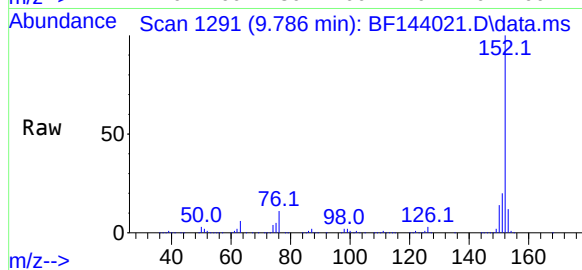
Tgt Ion:152 Resp: 760218

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.6

153 12.4 10.5 15.7



#50

Dimethylphthalate

Concen: 52.07 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

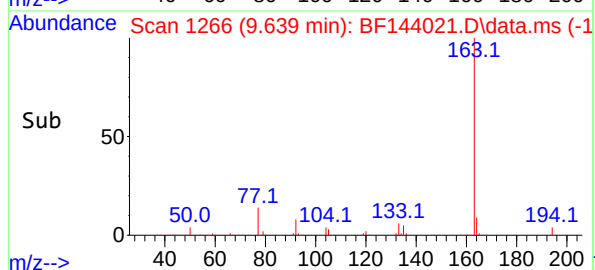
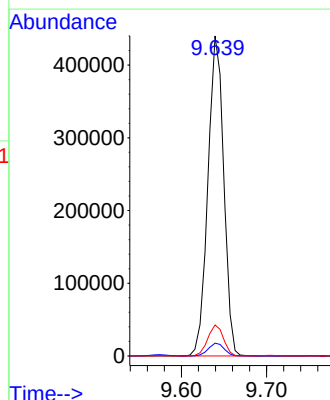
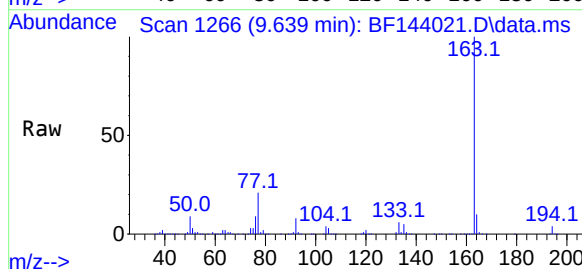
Tgt Ion:163 Resp: 567160

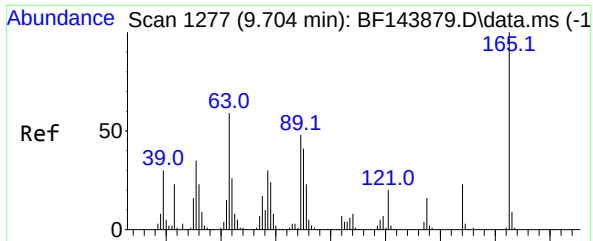
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 9.7 8.1 12.1

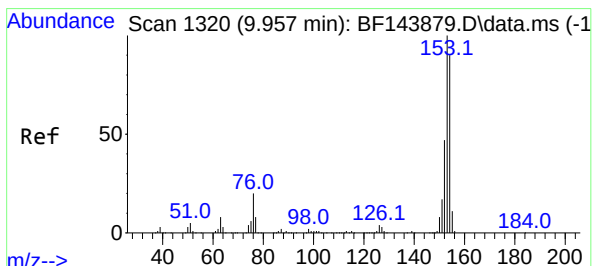
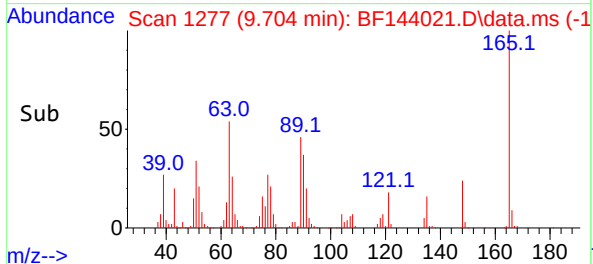
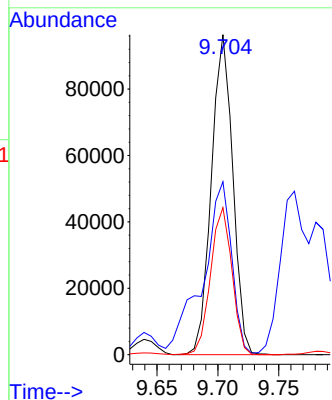
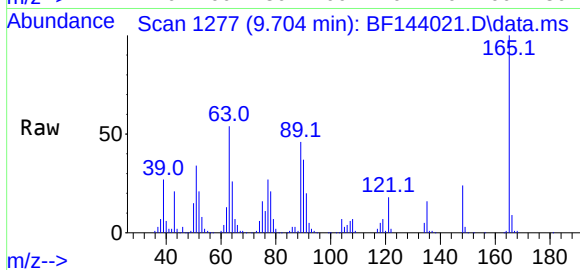




#51
2,6-Dinitrotoluene
Concen: 58.35 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

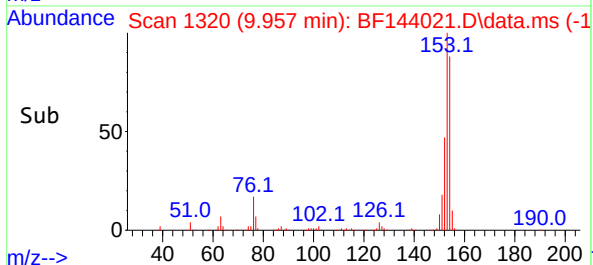
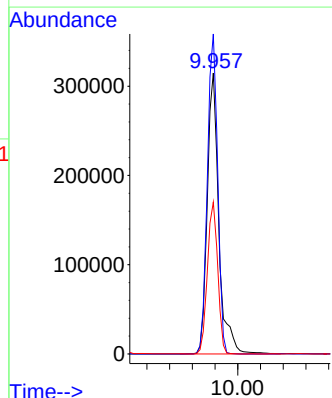
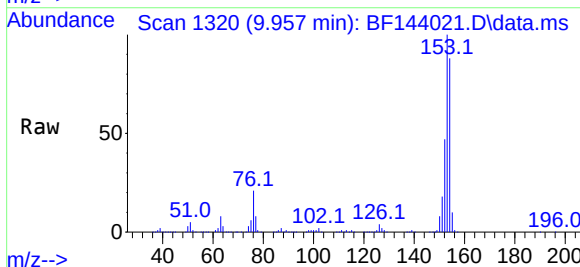
Instrument :
BNA_F
ClientSampleId :
41-LBMS

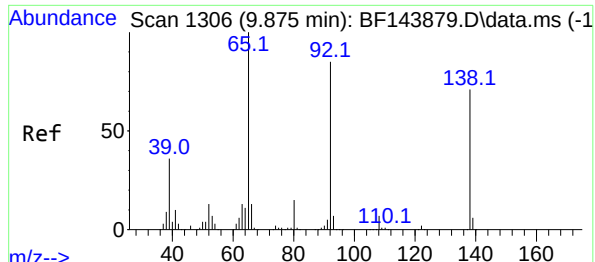
Tgt Ion:165 Resp: 117859
Ion Ratio Lower Upper
165 100
63 54.1 47.3 70.9
89 46.0 38.2 57.4



#52
Acenaphthene
Concen: 50.84 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:154 Resp: 443420
Ion Ratio Lower Upper
154 100
153 113.9 89.3 133.9
152 54.0 42.2 63.2





#53

3-Nitroaniline

Concen: 35.60 ng

RT: 9.875 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

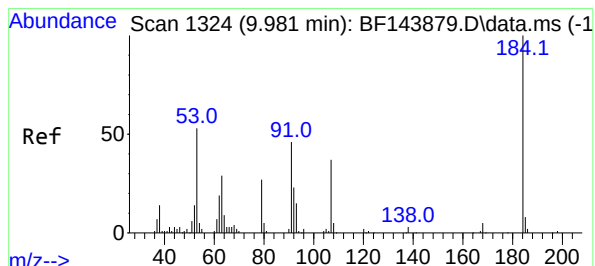
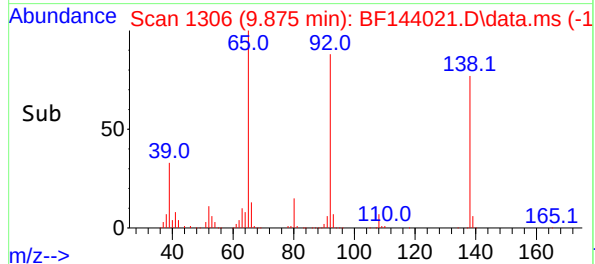
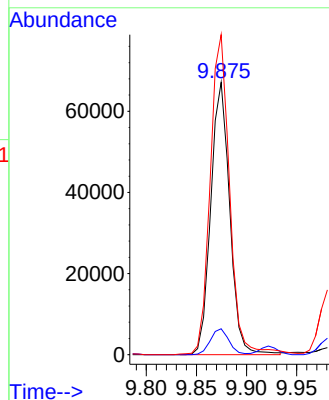
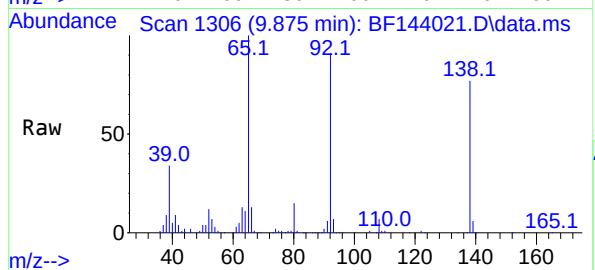
Tgt Ion:138 Resp: 88035

Ion Ratio Lower Upper

138 100

108 9.5 8.3 12.5

92 117.5 96.2 144.2



#54

2,4-Dinitrophenol

Concen: 76.43 ng

RT: 9.981 min Scan# 1324

Delta R.T. -0.005 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

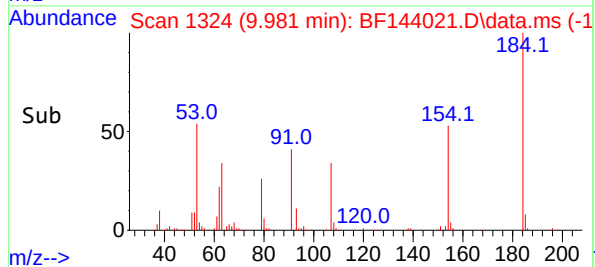
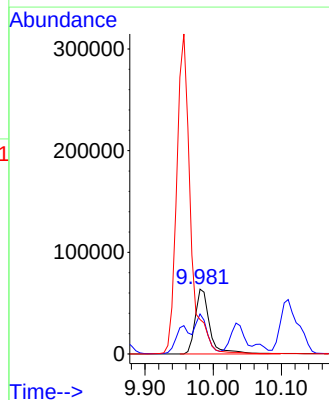
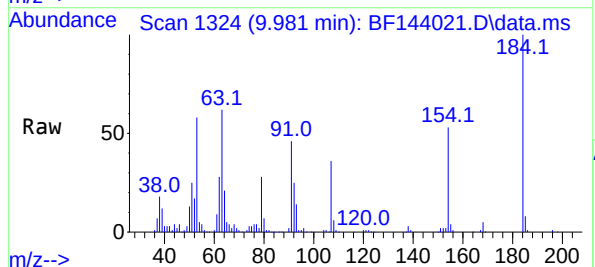
Tgt Ion:184 Resp: 94795

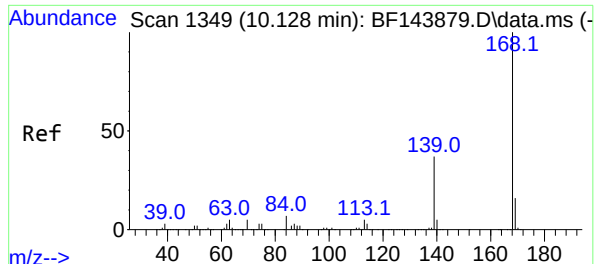
Ion Ratio Lower Upper

184 100

63 61.7 48.2 72.4

154 53.2 49.2 73.8





#55

Dibenzofuran

Concen: 48.38 ng

RT: 10.128 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

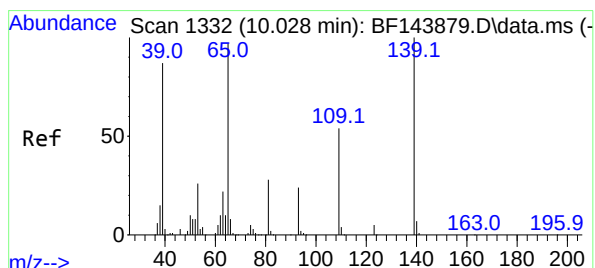
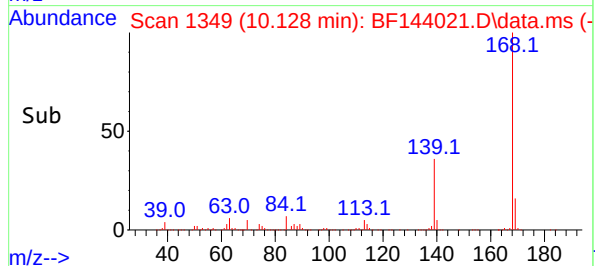
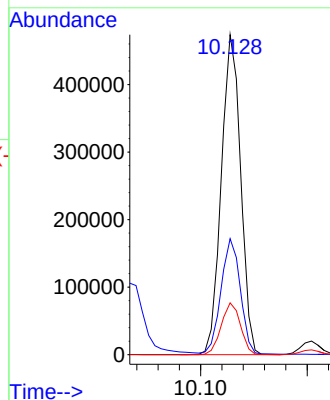
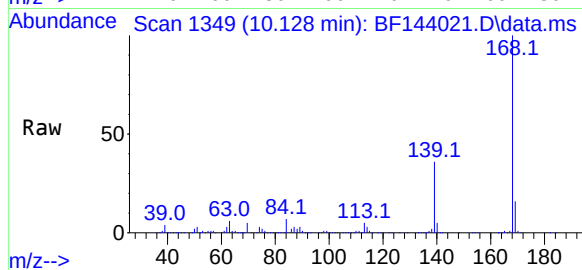
Tgt Ion:168 Resp: 595679

Ion Ratio Lower Upper

168 100

139 36.2 29.8 44.8

169 16.2 12.8 19.2



#56

4-Nitrophenol

Concen: 85.22 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

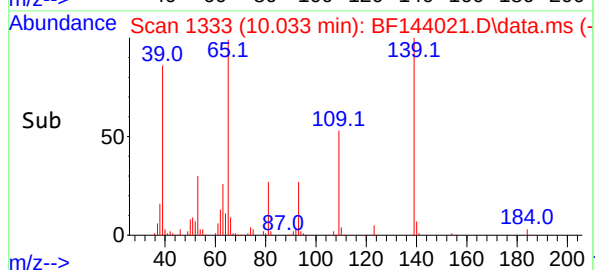
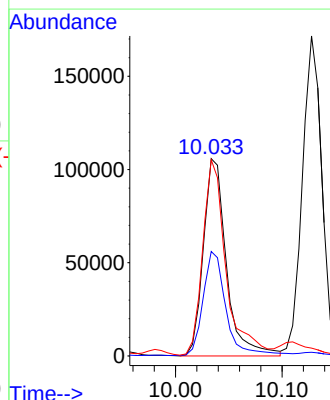
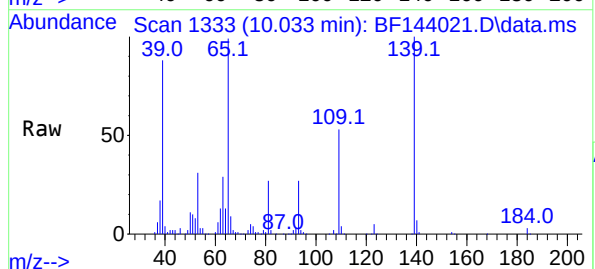
Tgt Ion:139 Resp: 159580

Ion Ratio Lower Upper

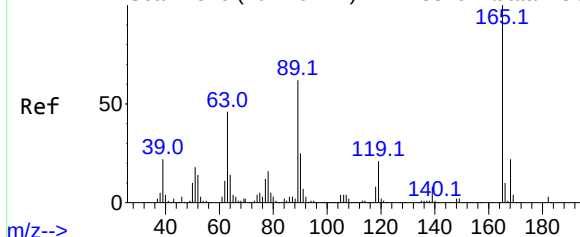
139 100

109 52.9 34.5 74.5

65 99.4 77.6 117.6



Abundance Scan 1346 (10.110 min): BF143879.D\data.ms (-

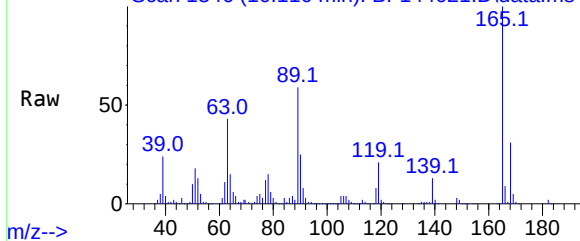


#57
2,4-Dinitrotoluene
Concen: 56.03 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

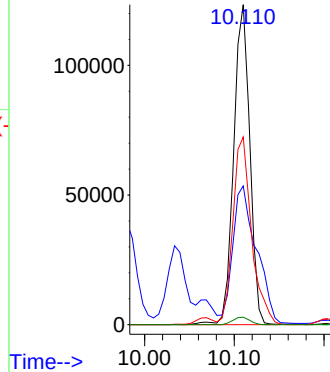
Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:165 Resp: 153965
Ion Ratio Lower Upper
165 100
63 43.3 37.2 55.8
89 58.7 49.4 74.2
182 2.4 2.1 3.1

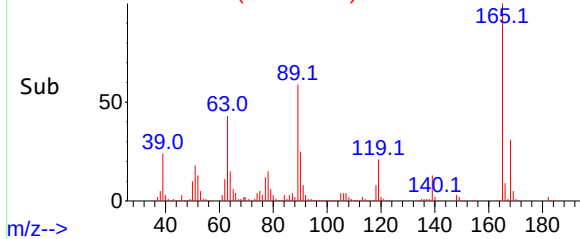
Abundance Scan 1346 (10.110 min): BF144021.D\data.ms



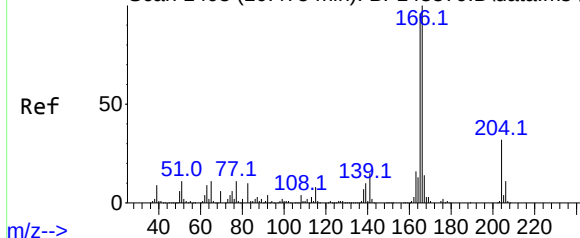
Abundance



Abundance Scan 1346 (10.110 min): BF144021.D\data.ms (-



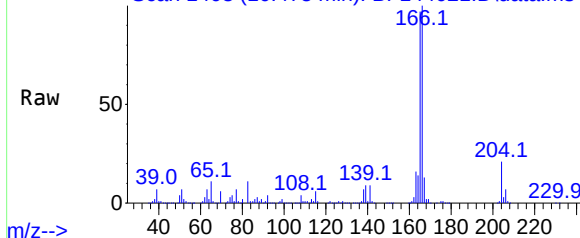
Abundance Scan 1408 (10.475 min): BF143879.D\data.ms (-



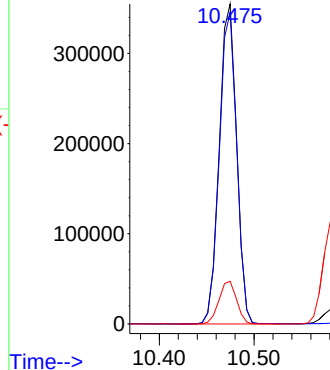
#58
Fluorene
Concen: 48.76 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:166 Resp: 453015
Ion Ratio Lower Upper
166 100
165 97.4 77.0 115.6
167 13.3 11.1 16.7

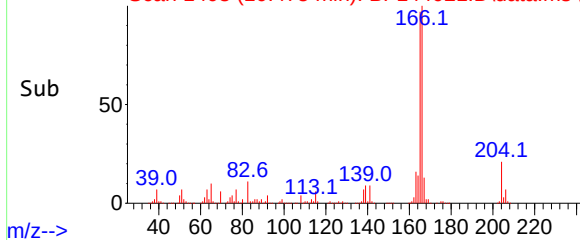
Abundance Scan 1408 (10.475 min): BF144021.D\data.ms

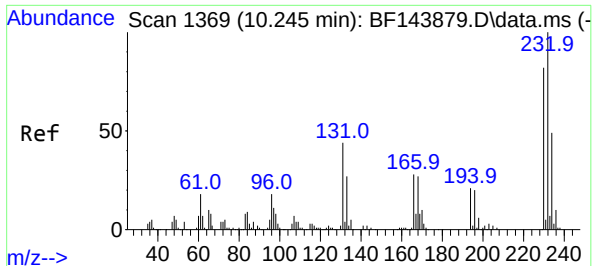


Abundance



Abundance Scan 1408 (10.475 min): BF144021.D\data.ms (-

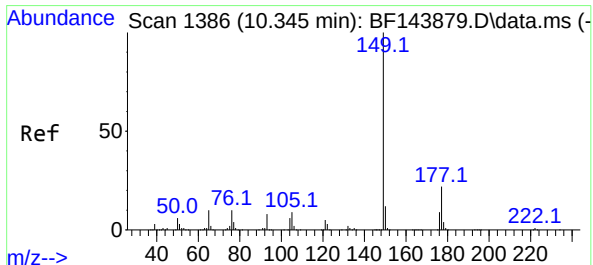
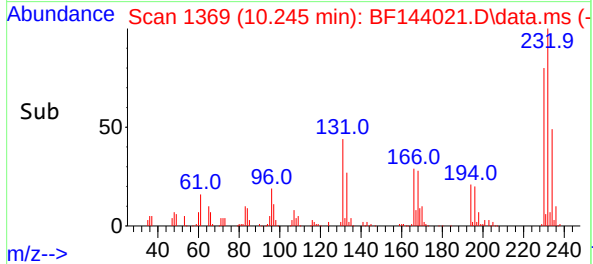
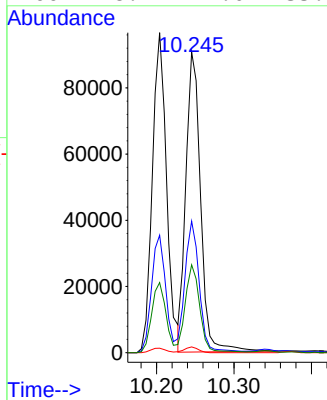
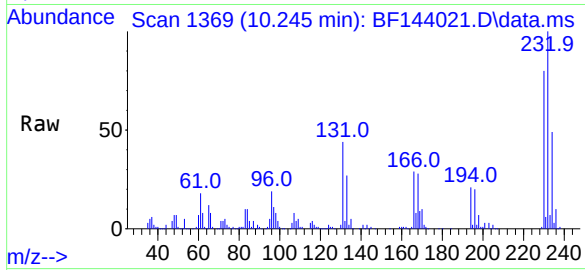




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.27 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

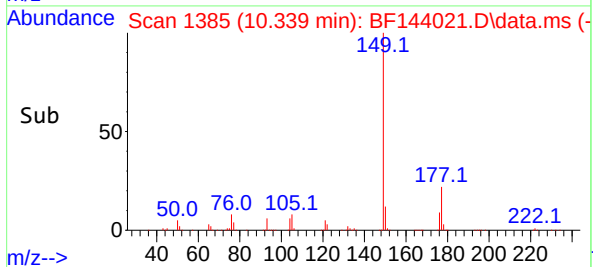
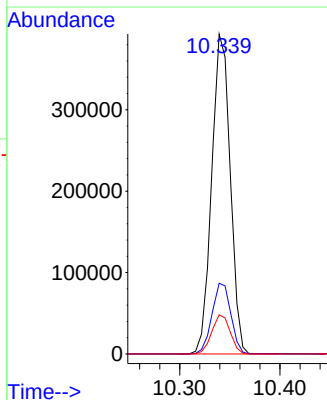
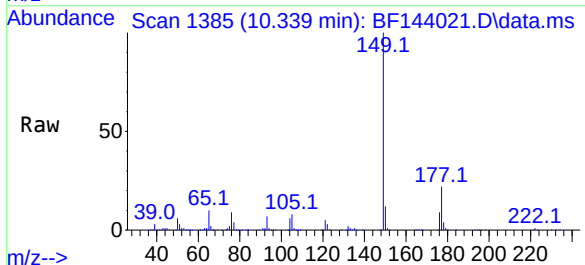
Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:232 Resp: 119888
Ion Ratio Lower Upper
232 100
131 43.3 34.9 52.3
130 1.8 1.6 2.4
166 28.4 22.0 33.0

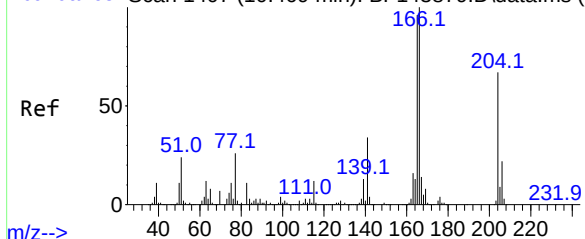


#60
Diethylphthalate
Concen: 49.82 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:149 Resp: 504158
Ion Ratio Lower Upper
149 100
177 22.1 17.9 26.9
150 12.3 9.8 14.8



Abundance Scan 1407 (10.469 min): BF143879.D\data.ms (-

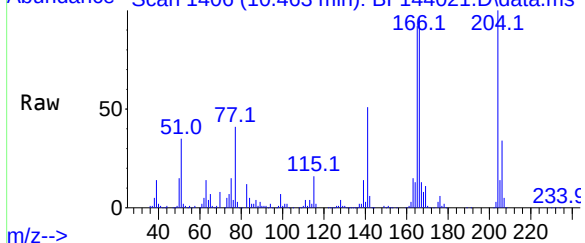


#61
4-Chlorophenyl-phenylether
Concen: 47.48 ng
RT: 10.463 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

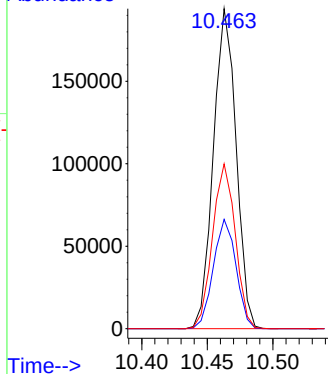
Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.1	26.6	40.0
141	51.5	40.4	60.6

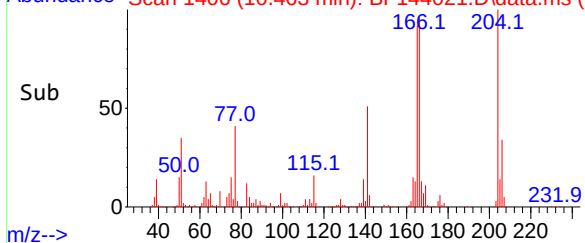
Abundance Scan 1406 (10.463 min): BF144021.D\data.ms (-



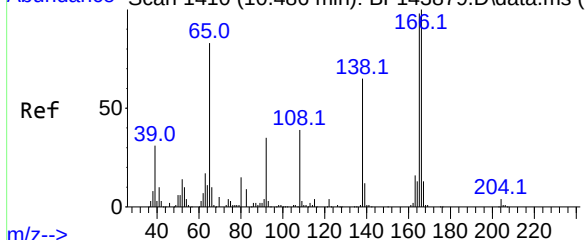
Abundance



Abundance Scan 1406 (10.463 min): BF144021.D\data.ms (-



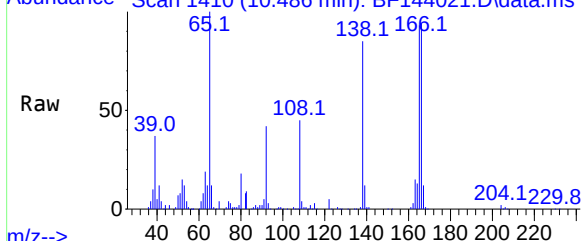
Abundance Scan 1410 (10.486 min): BF143879.D\data.ms (-



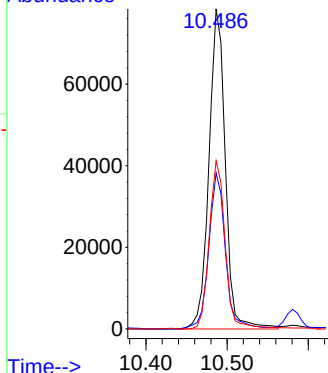
#62
4-Nitroaniline
Concen: 46.20 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.7	33.9	73.9
108	52.6	40.2	80.2

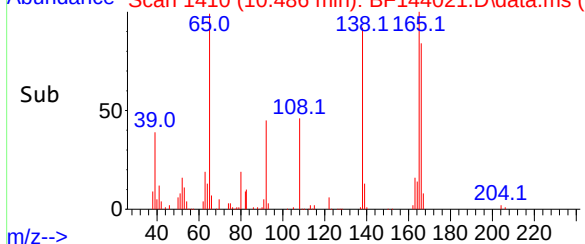
Abundance Scan 1410 (10.486 min): BF144021.D\data.ms (-

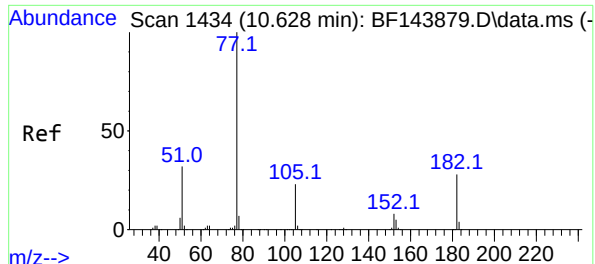


Abundance



Abundance Scan 1410 (10.486 min): BF144021.D\data.ms (-



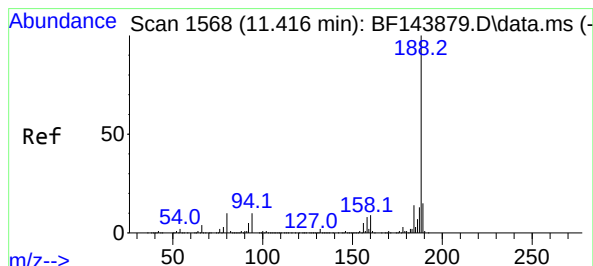
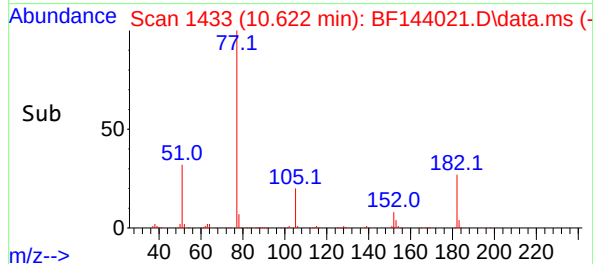
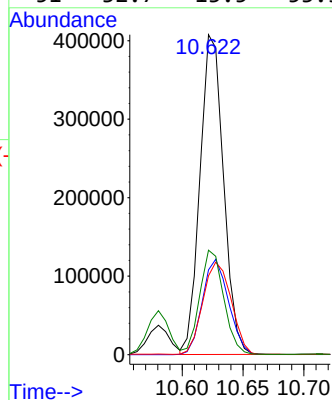
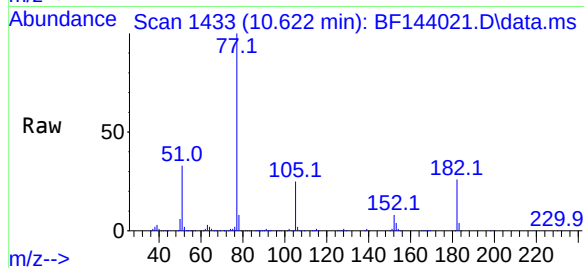


#63
Azobenzene
Concen: 51.97 ng
RT: 10.622 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion: 77 Resp: 549618

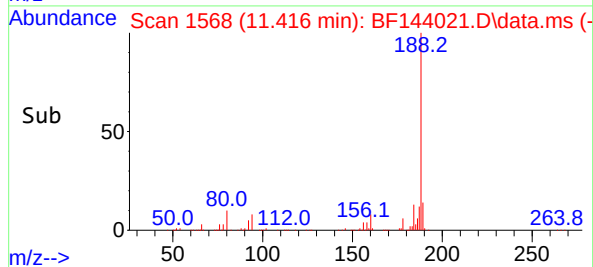
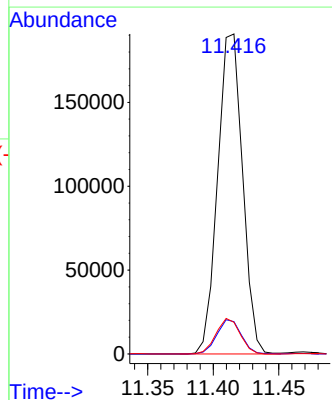
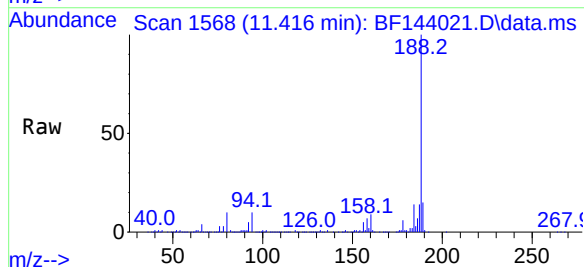
Ion	Ratio	Lower	Upper
77	100		
182	26.5	7.3	47.3
105	24.7	3.0	43.0
51	32.7	13.5	53.5

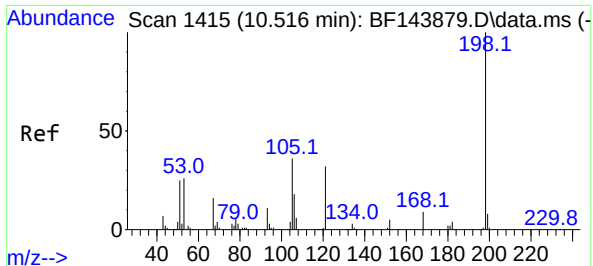


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 188 Resp: 251833

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	9.9	7.9	11.9

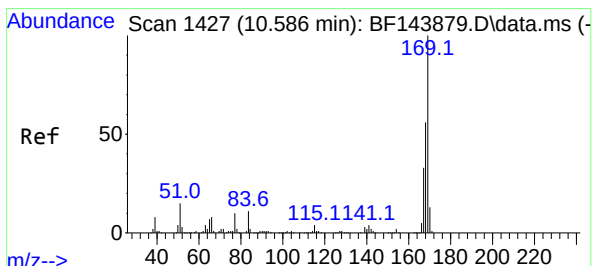
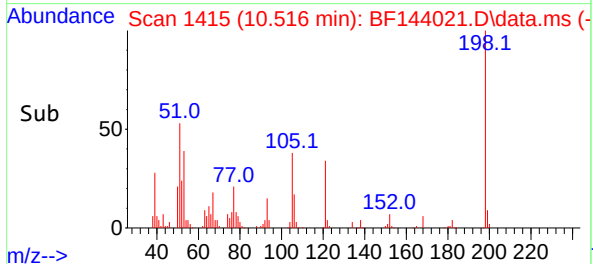
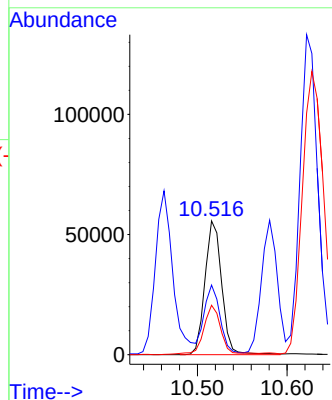
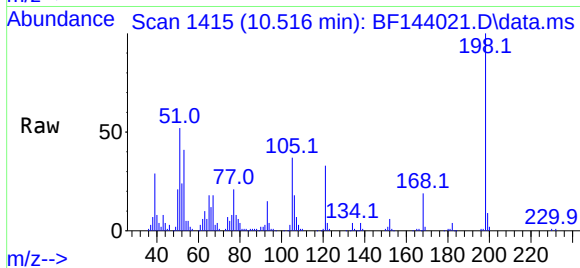




#65
4,6-Dinitro-2-methylphenol
Concen: 57.19 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

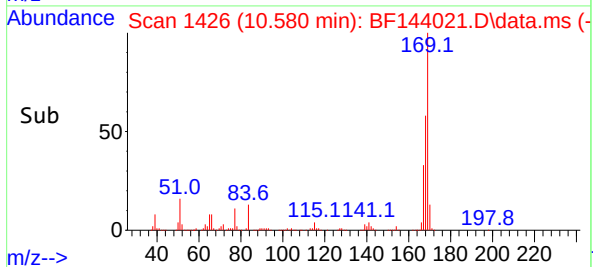
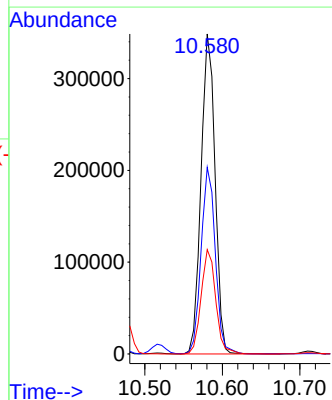
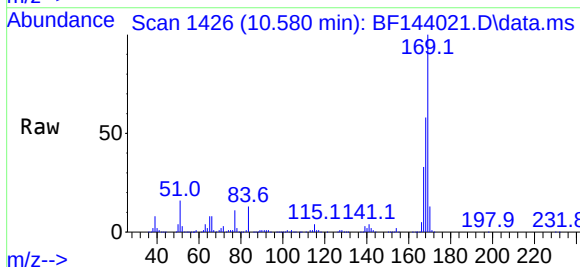
Instrument :
BNA_F
ClientSampleId :
41-LBMS

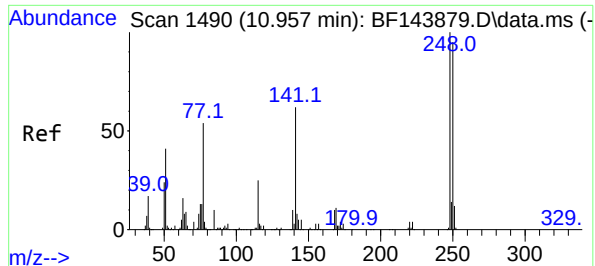
Tgt Ion:198 Resp: 72380
Ion Ratio Lower Upper
198 100
51 52.0 33.8 73.8
105 37.0 17.0 57.0



#66
n-Nitrosodiphenylamine
Concen: 55.46 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:169 Resp: 438535
Ion Ratio Lower Upper
169 100
168 58.3 44.9 67.3
167 32.6 26.3 39.5

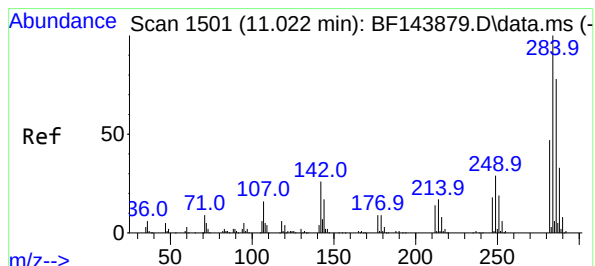
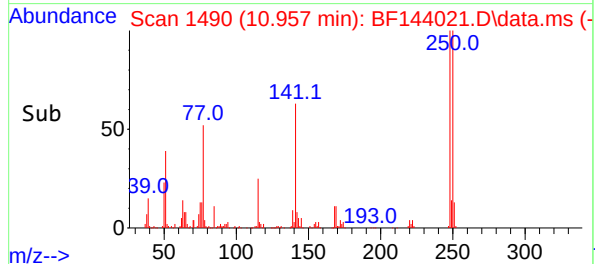
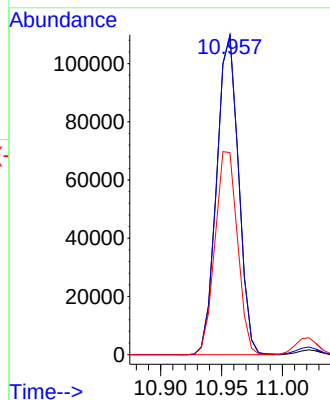
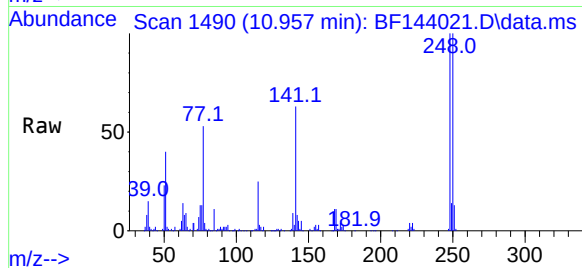




#67
4-Bromophenyl-phenylether
Concen: 49.23 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

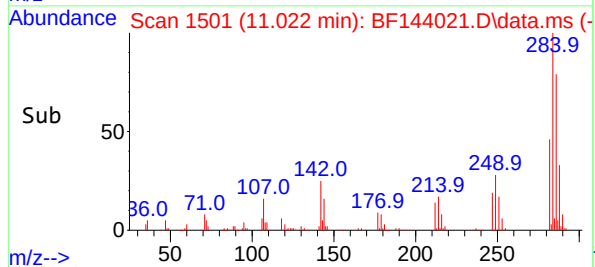
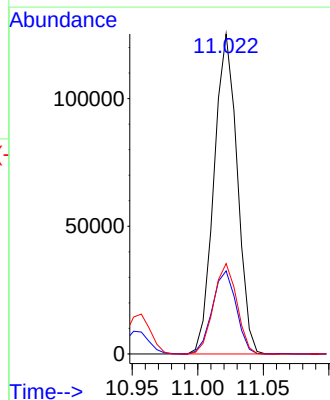
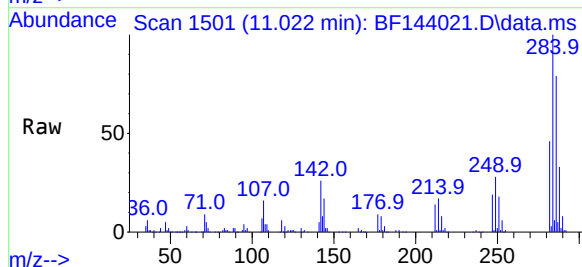
Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:248 Resp: 137013
Ion Ratio Lower Upper
248 100
250 100.4 76.3 114.5
141 63.4 49.7 74.5



#68
Hexachlorobenzene
Concen: 47.84 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:284 Resp: 154149
Ion Ratio Lower Upper
284 100
142 26.0 20.6 30.8
249 28.3 23.2 34.8



Abundance Scan 1516 (11.110 min): BF143879.D\data.ms (-

#69

Atrazine

Concen: 53.66 ng

RT: 11.110 min Scan# 1516

Delta R.T. -0.012 min

Lab File: BF144021.D

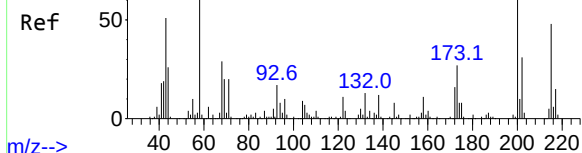
Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS



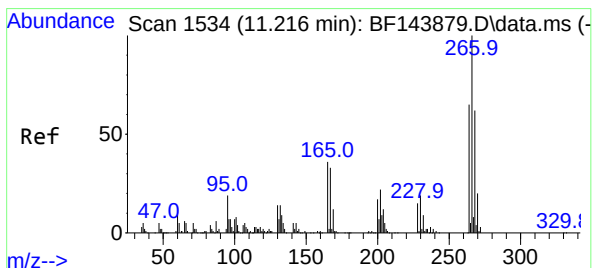
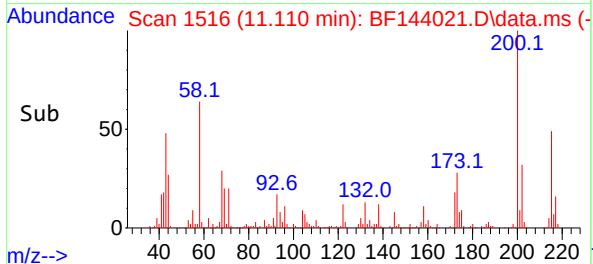
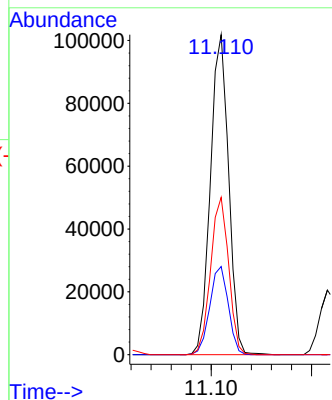
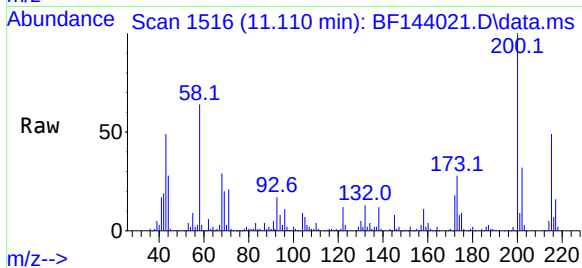
Tgt Ion:200 Resp: 128608

Ion Ratio Lower Upper

200 100

173 27.6 7.0 47.0

215 49.2 27.8 67.8



#70

Pentachlorophenol

Concen: 83.71 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

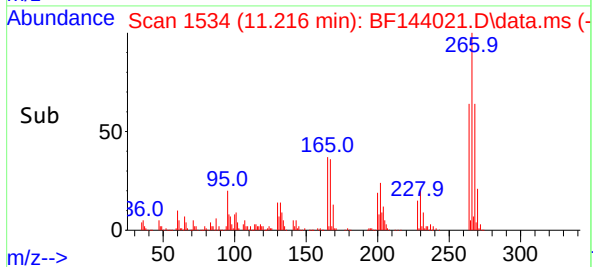
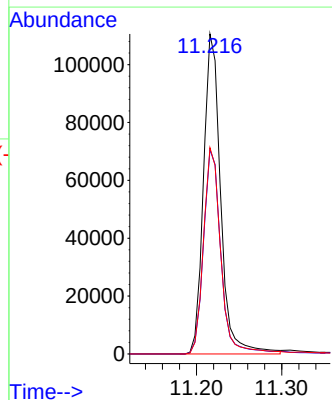
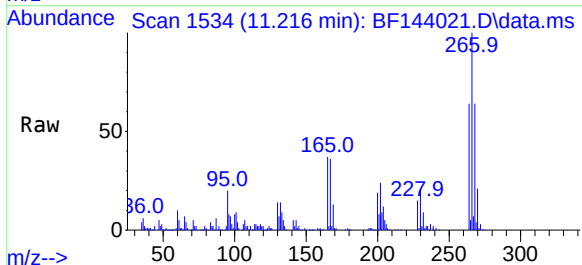
Tgt Ion:266 Resp: 154905

Ion Ratio Lower Upper

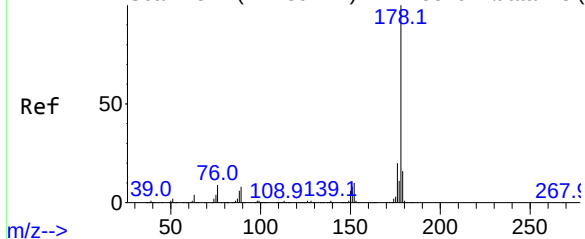
266 100

268 63.9 49.4 74.0

264 64.5 51.8 77.6



Abundance Scan 1572 (11.439 min): BF143879.D\data.ms (-



#71

Phenanthrene

Concen: 51.31 ng

RT: 11.439 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion:178 Resp: 626490

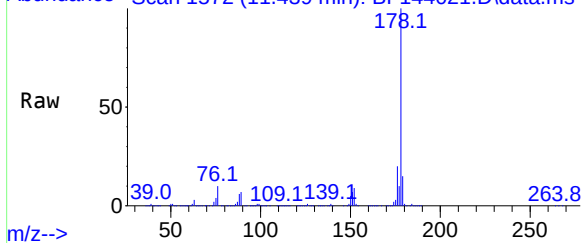
Ion Ratio Lower Upper

178 100

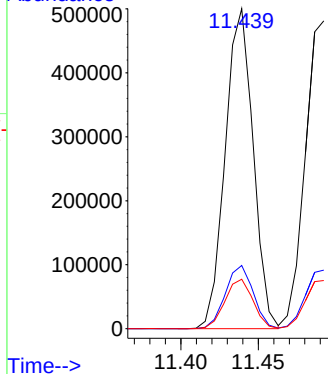
176 19.7 15.9 23.9

179 15.4 12.4 18.6

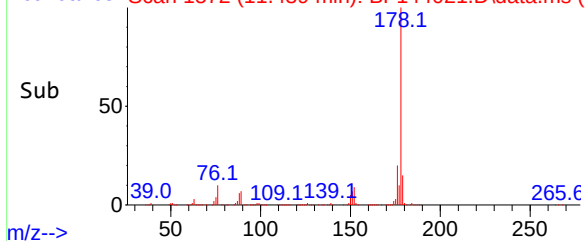
Abundance Scan 1572 (11.439 min): BF144021.D\data.ms



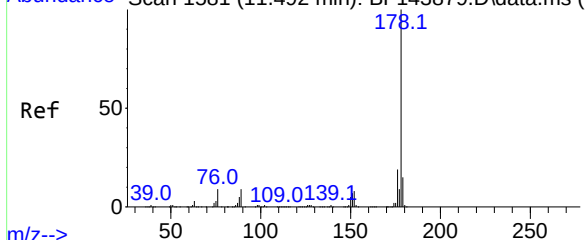
Abundance



Abundance Scan 1572 (11.439 min): BF144021.D\data.ms (-



Abundance Scan 1581 (11.492 min): BF143879.D\data.ms (-



#72

Anthracene

Concen: 51.15 ng

RT: 11.492 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion:178 Resp: 630911

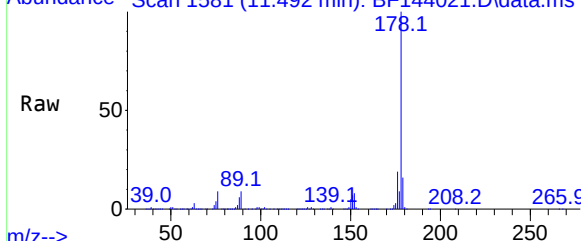
Ion Ratio Lower Upper

178 100

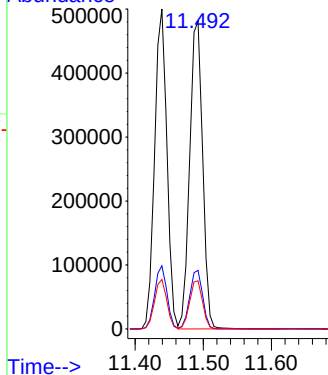
176 19.0 14.9 22.3

179 15.6 12.2 18.2

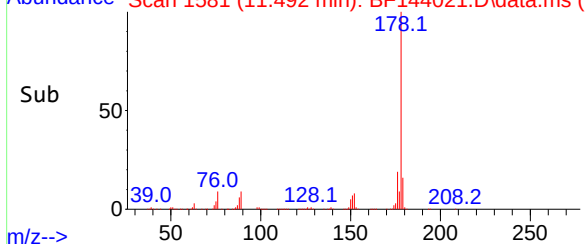
Abundance Scan 1581 (11.492 min): BF144021.D\data.ms

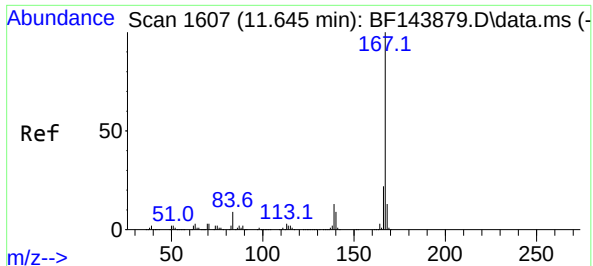


Abundance



Abundance Scan 1581 (11.492 min): BF144021.D\data.ms (-

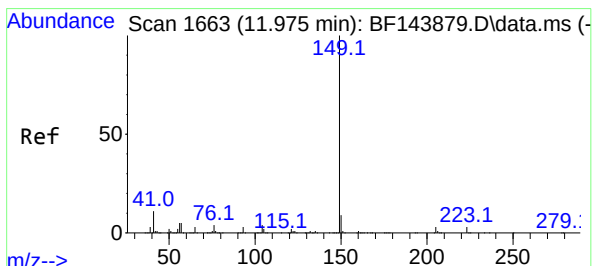
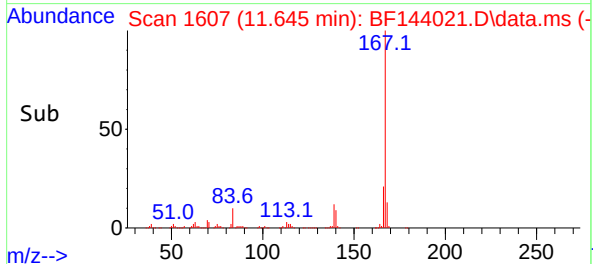
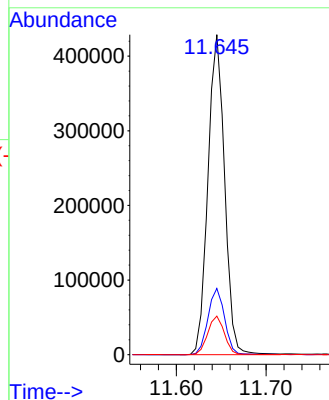
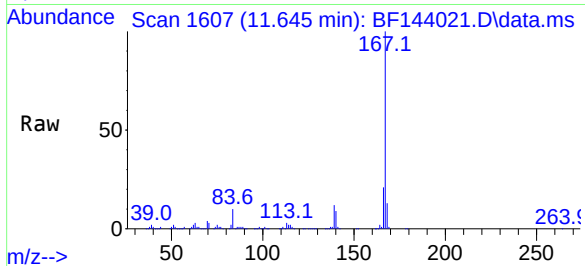




#73
 Carbazole
 Concen: 50.63 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF144021.D
 Acq: 21 Oct 2025 19:28

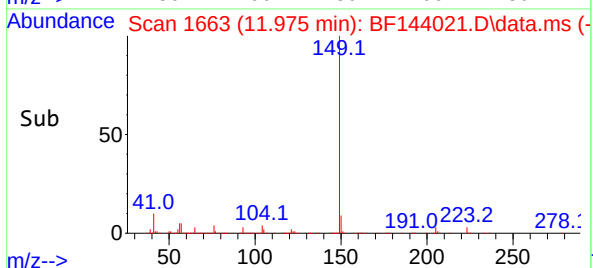
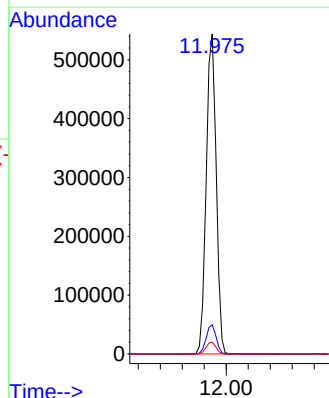
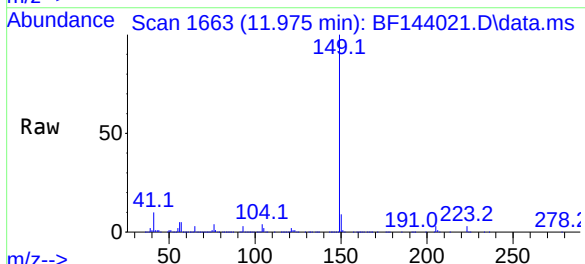
Instrument :
 BNA_F
 ClientSampleId :
 41-LBMS

Tgt	Ion:167	Resp:	553053
Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.2	25.8
139	12.1	10.1	15.1

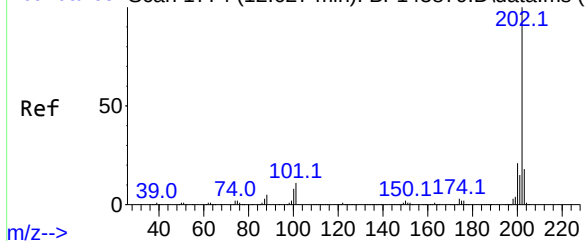


#74
 Di-n-butylphthalate
 Concen: 53.90 ng
 RT: 11.975 min Scan# 1663
 Delta R.T. -0.006 min
 Lab File: BF144021.D
 Acq: 21 Oct 2025 19:28

Tgt Ion:149	Resp: 682358
Ion Ratio	Lower Upper
149 100	
150 9.1	7.4 11.2
104 3.7	3.4 5.2



Abundance Scan 1774 (12.627 min): BF143879.D\data.ms (-



#75

Fluoranthene

Concen: 52.93 ng

RT: 12.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion:202 Resp: 667503

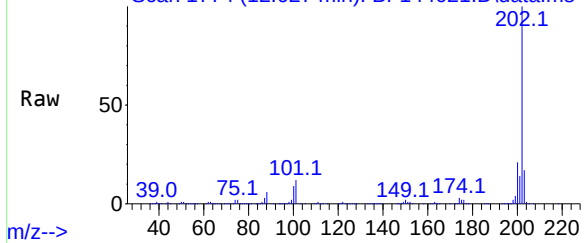
Ion Ratio Lower Upper

202 100

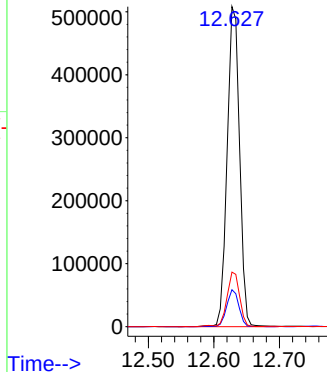
101 11.6 0.0 30.7

203 17.1 0.0 37.8

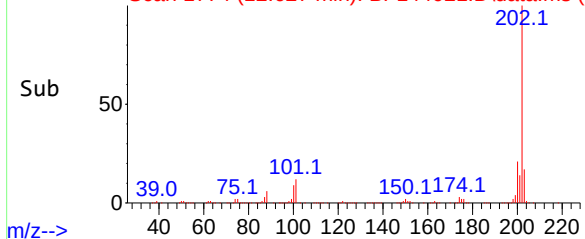
Abundance Scan 1774 (12.627 min): BF144021.D\data.ms



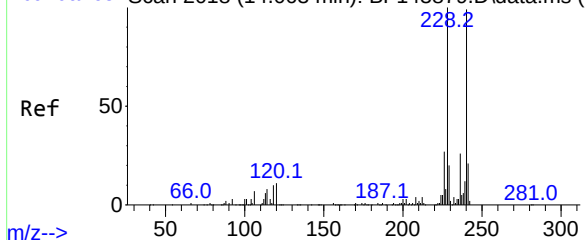
Abundance



Abundance Scan 1774 (12.627 min): BF144021.D\data.ms (-



Abundance Scan 2018 (14.063 min): BF143879.D\data.ms (-



#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.005 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion:240 Resp: 215570

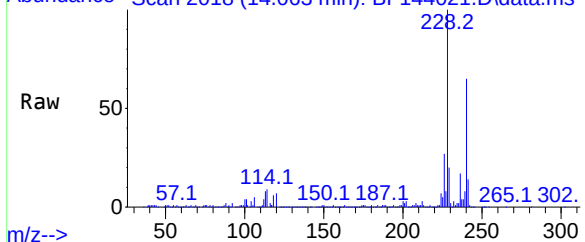
Ion Ratio Lower Upper

240 100

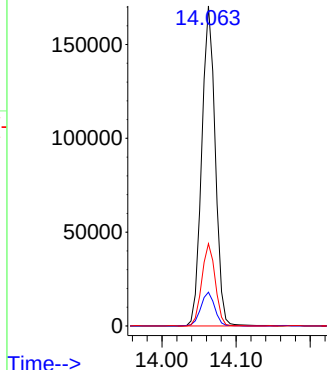
120 10.5 8.6 13.0

236 25.7 21.1 31.7

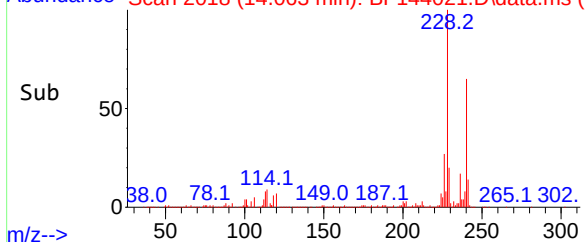
Abundance Scan 2018 (14.063 min): BF144021.D\data.ms

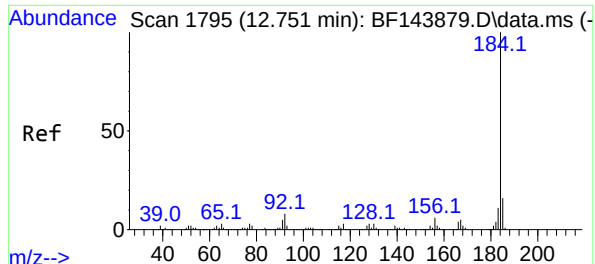


Abundance



Abundance Scan 2018 (14.063 min): BF144021.D\data.ms (-





#77

Benzidine

Concen: 41.83 ng

RT: 12.751 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

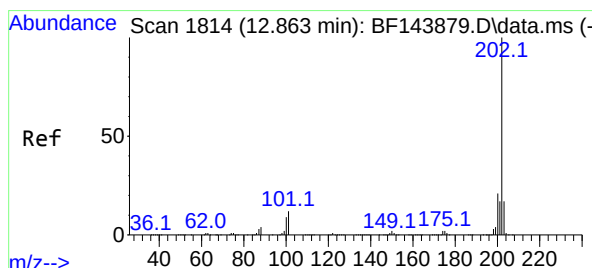
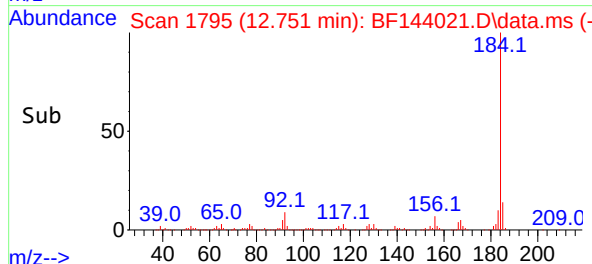
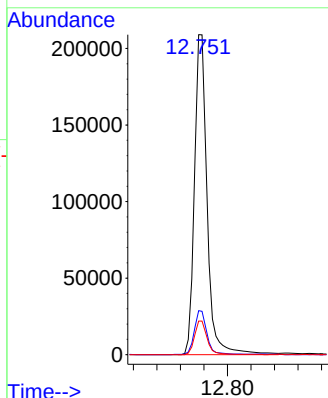
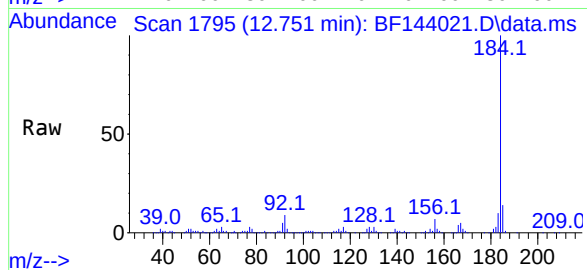
Tgt Ion:184 Resp: 313101

Ion Ratio Lower Upper

184 100

185 13.7 12.6 18.8

183 10.5 8.8 13.2



#78

Pyrene

Concen: 38.52 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

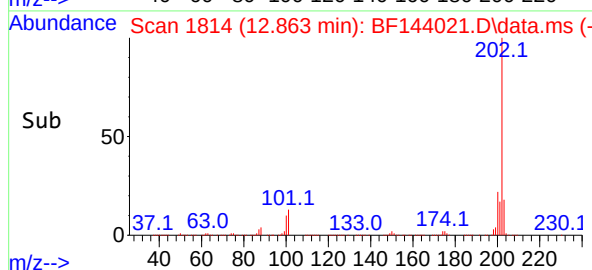
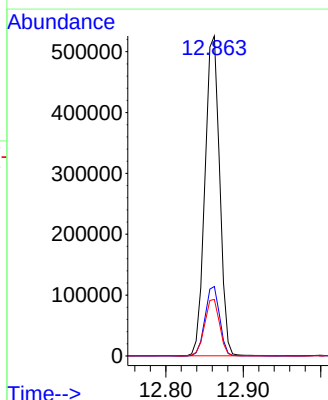
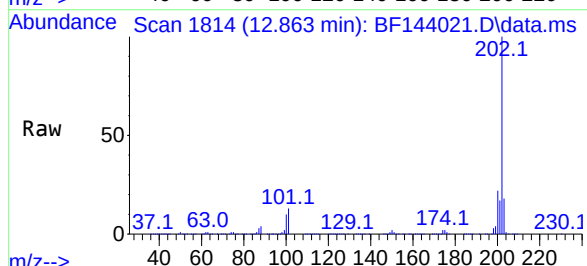
Tgt Ion:202 Resp: 692293

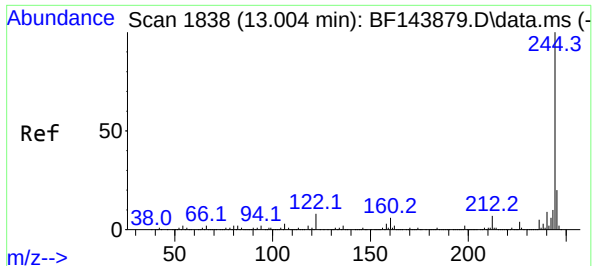
Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.6

203 17.6 13.8 20.6





#79

Terphenyl-d14

Concen: 33.92 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

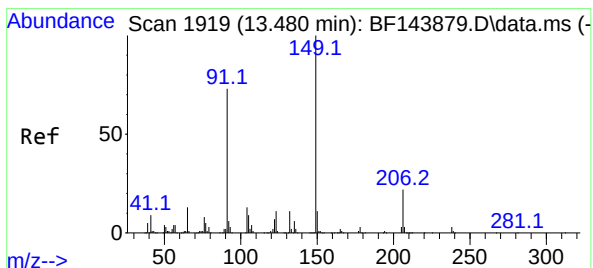
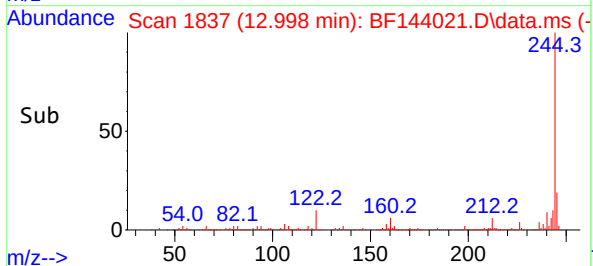
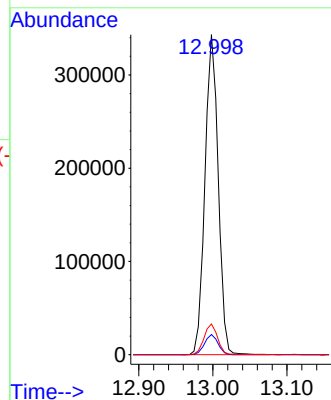
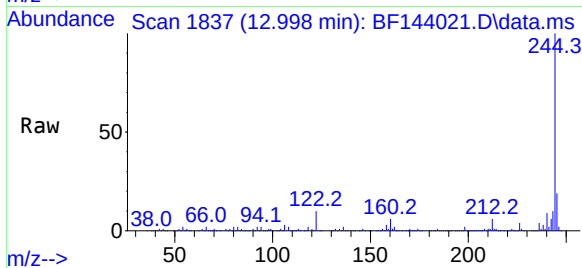
Tgt Ion:244 Resp: 427888

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 9.6 6.4 9.6



#80

Butylbenzylphthalate

Concen: 49.03 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

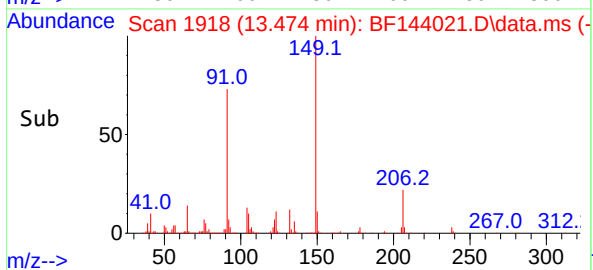
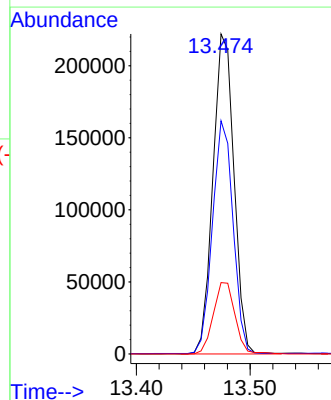
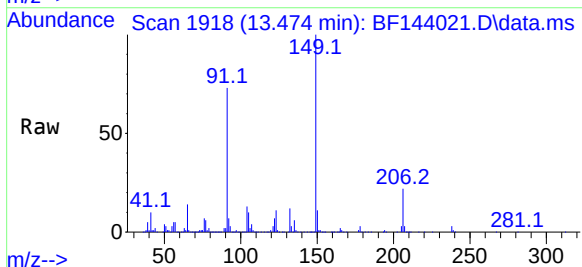
Tgt Ion:149 Resp: 286154

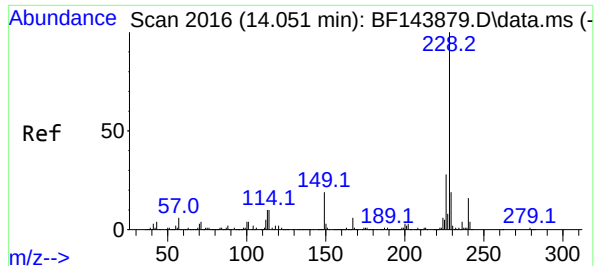
Ion Ratio Lower Upper

149 100

91 72.9 58.2 87.2

206 22.3 17.9 26.9





#81

Benzo(a)anthracene

Concen: 52.39 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

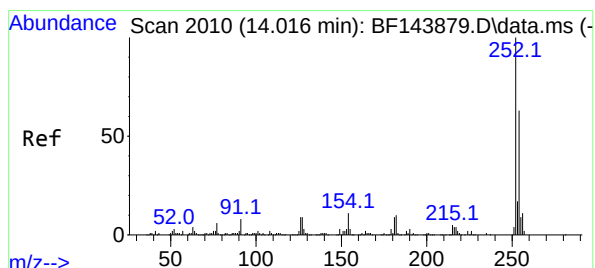
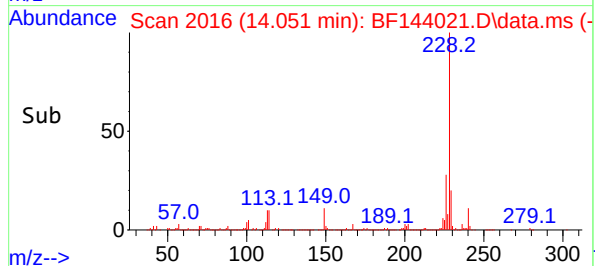
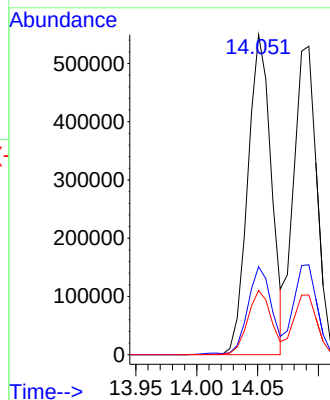
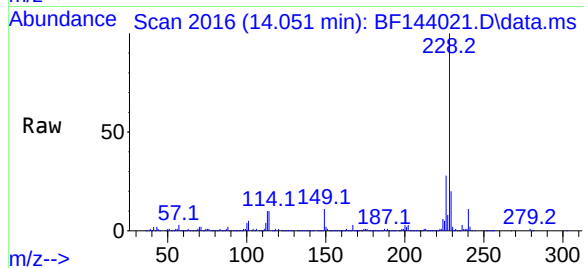
Tgt Ion:228 Resp: 739023

Ion Ratio Lower Upper

228 100

226 27.5 22.2 33.2

229 20.1 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 46.70 ng

RT: 14.016 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

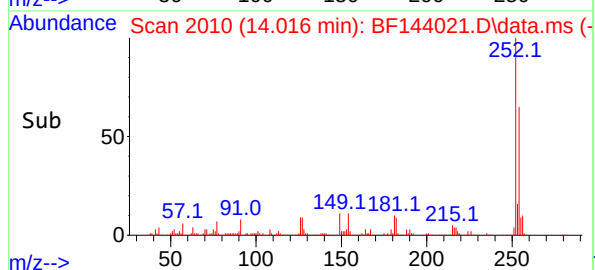
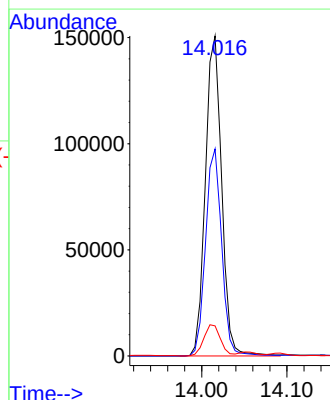
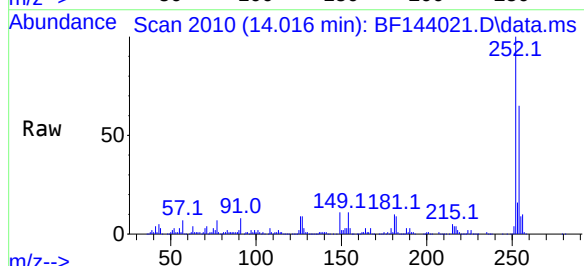
Tgt Ion:252 Resp: 200747

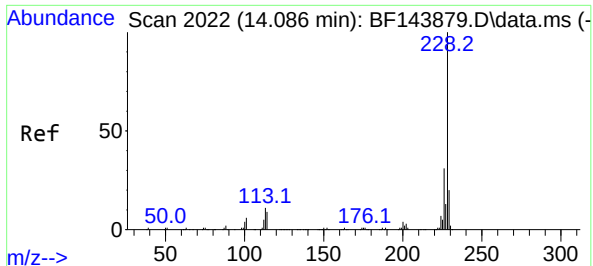
Ion Ratio Lower Upper

252 100

254 64.7 50.6 76.0

126 9.4 7.0 10.6

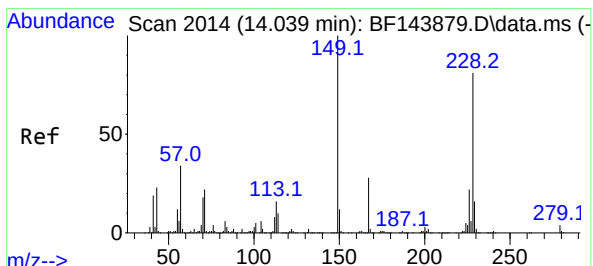
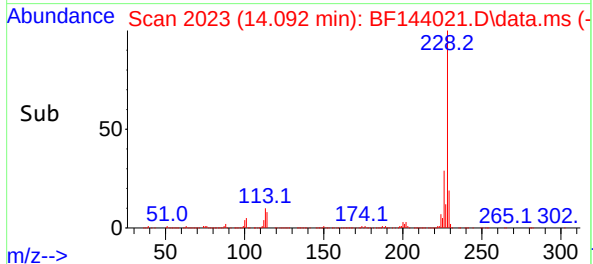
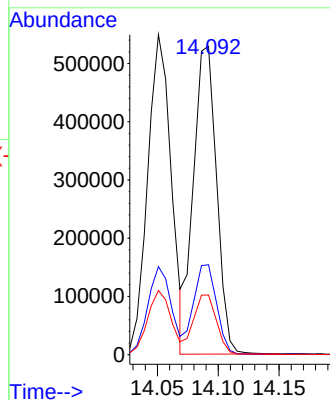
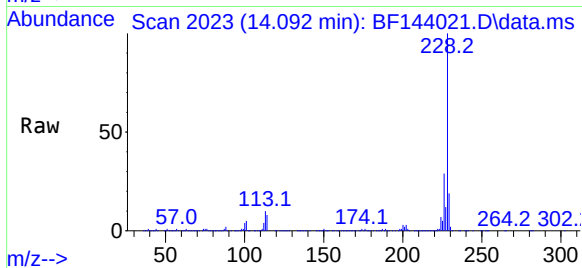




#83
Chrysene
Concen: 53.68 ng
RT: 14.092 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

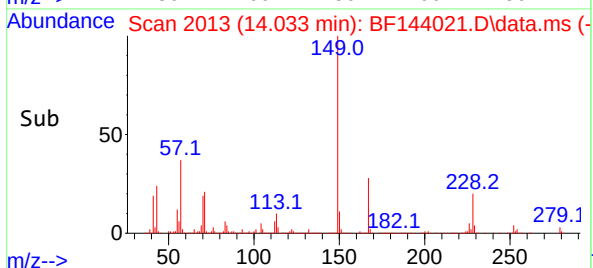
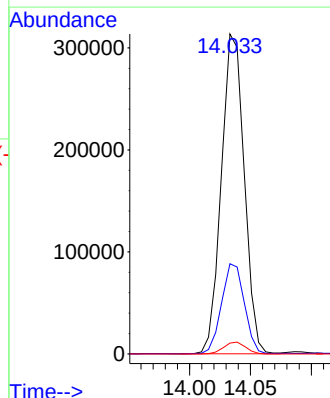
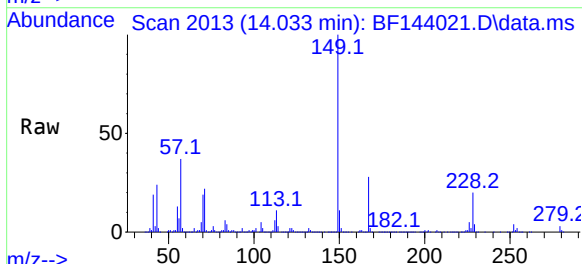
Instrument :
BNA_F
ClientSampleId :
41-LBMS

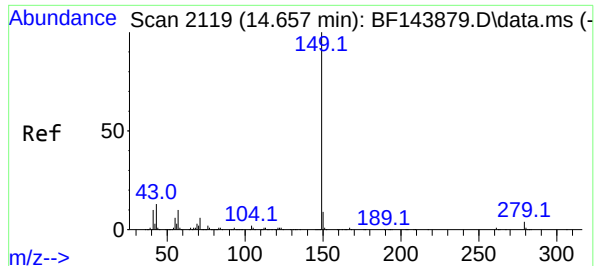
Tgt Ion:228 Resp: 700802
Ion Ratio Lower Upper
228 100
226 29.2 24.4 36.6
229 19.3 15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 58.29 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:149 Resp: 410102
Ion Ratio Lower Upper
149 100
167 28.2 22.2 33.4
279 3.4 3.1 4.7

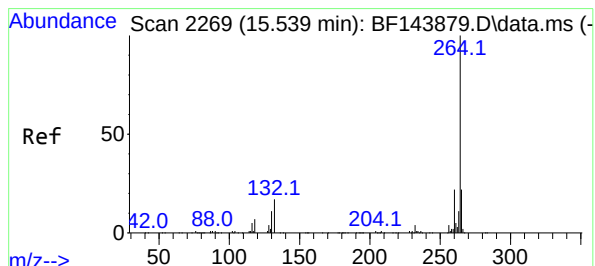
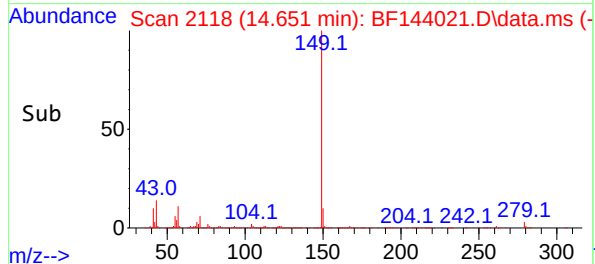
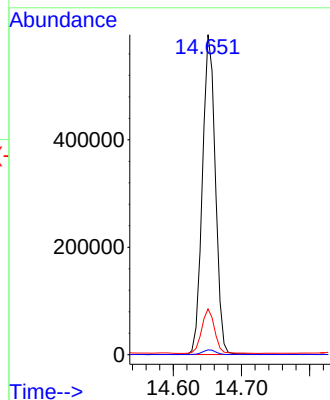
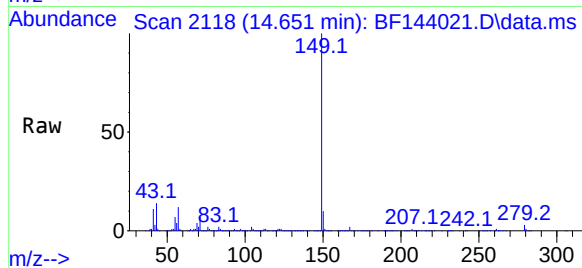




#85
Di-n-octyl phthalate
Concen: 67.99 ng
RT: 14.651 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

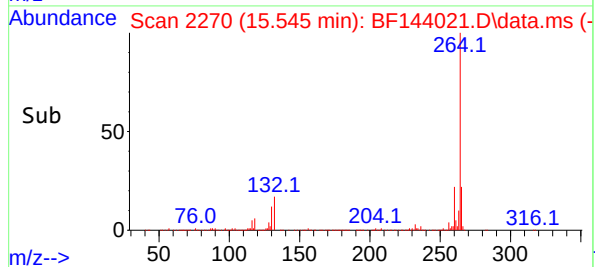
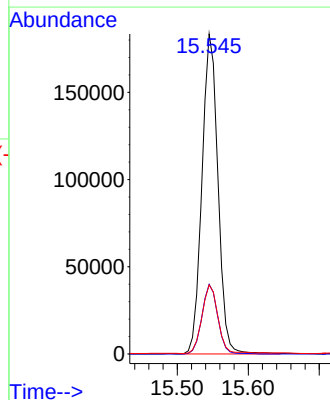
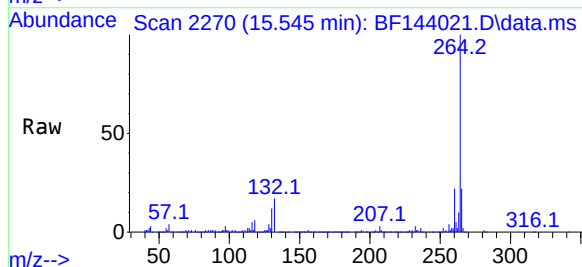
Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:149 Resp: 785742
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.8 11.0 16.4

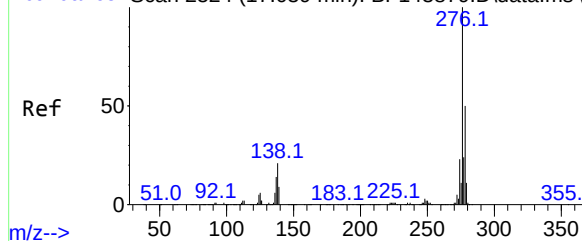


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:264 Resp: 288346
Ion Ratio Lower Upper
264 100
260 21.7 17.8 26.8
265 21.6 17.5 26.3



Abundance Scan 2524 (17.039 min): BF143879.D\data.ms (-



#87

Indeno(1,2,3-cd)pyrene

Concen: 48.75 ng

RT: 17.057 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion:276 Resp: 861279

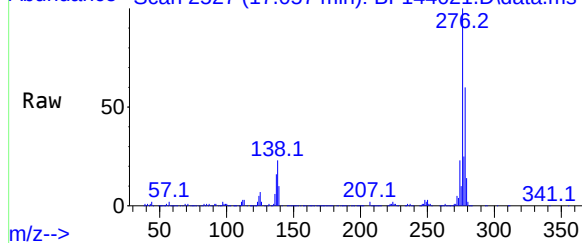
Ion Ratio Lower Upper

276 100

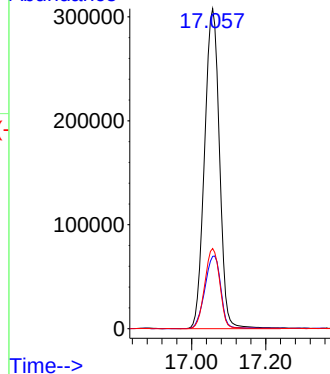
138 23.9 18.2 27.2

277 25.2 19.8 29.6

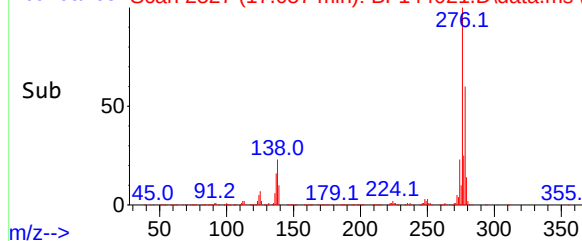
Abundance Scan 2527 (17.057 min): BF144021.D\data.ms



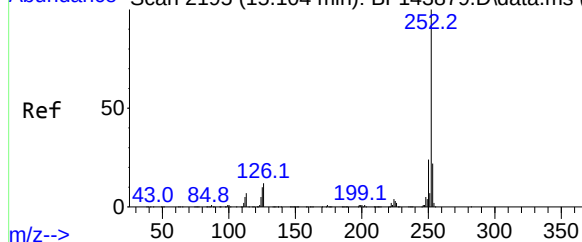
Abundance



Abundance Scan 2527 (17.057 min): BF144021.D\data.ms (-



Abundance Scan 2195 (15.104 min): BF143879.D\data.ms (-



#88

Benzo(b)fluoranthene

Concen: 50.08 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion:252 Resp: 829420

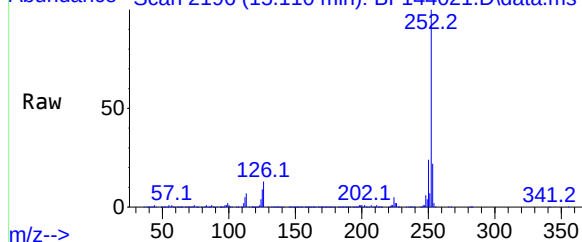
Ion Ratio Lower Upper

252 100

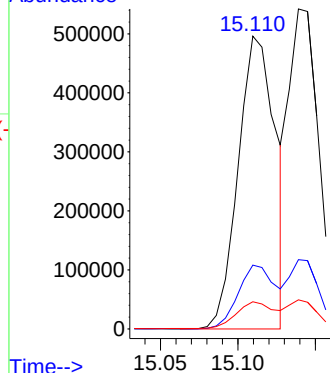
253 21.8 17.4 26.2

125 9.3 7.8 11.6

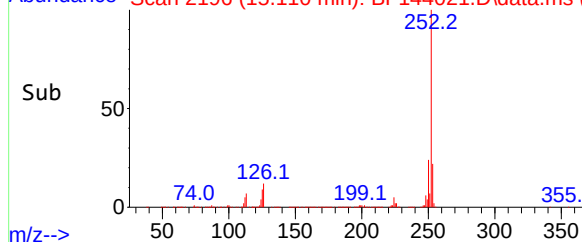
Abundance Scan 2196 (15.110 min): BF144021.D\data.ms



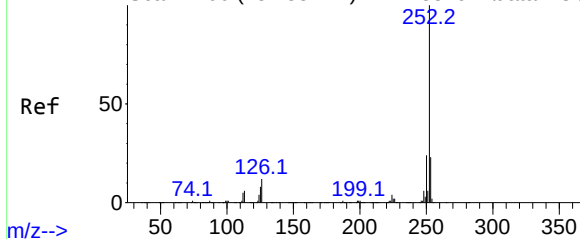
Abundance



Abundance Scan 2196 (15.110 min): BF144021.D\data.ms (-



Abundance Scan 2200 (15.133 min): BF143879.D\data.ms (-



#89

Benzo(k)fluoranthene

Concen: 47.42 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Instrument :

BNA_F

ClientSampleId :

41-LBMS

Tgt Ion:252 Resp: 726742

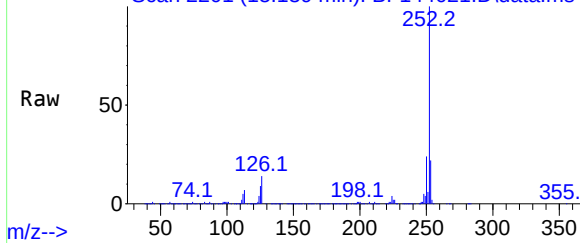
Ion Ratio Lower Upper

252 100

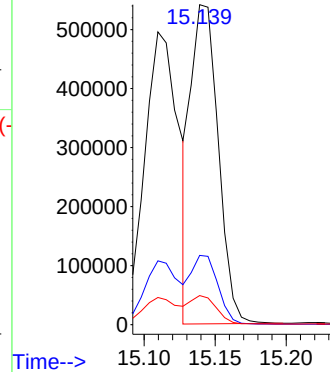
253 21.6 17.8 26.8

125 9.1 7.4 11.2

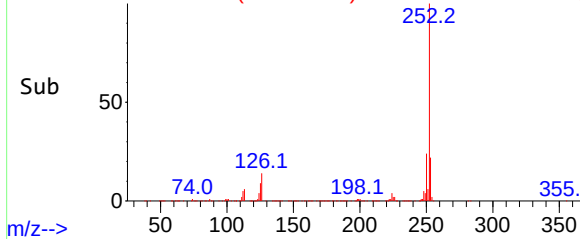
Abundance Scan 2201 (15.139 min): BF144021.D\data.ms



Abundance

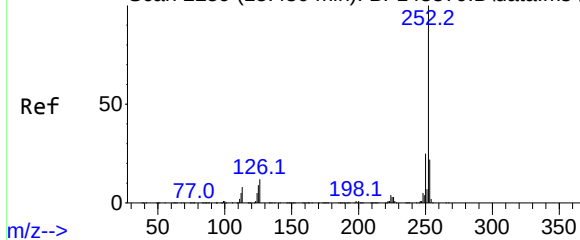


Abundance Scan 2201 (15.139 min): BF144021.D\data.ms (-



Time-->

Abundance Scan 2259 (15.480 min): BF143879.D\data.ms (-



#90

Benzo(a)pyrene

Concen: 52.80 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF144021.D

Acq: 21 Oct 2025 19:28

Tgt Ion:252 Resp: 758262

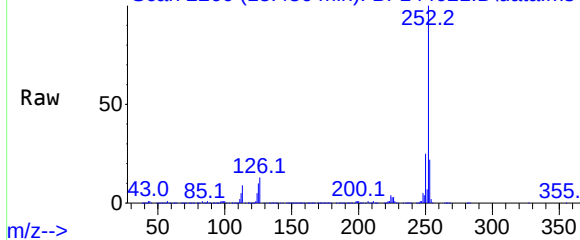
Ion Ratio Lower Upper

252 100

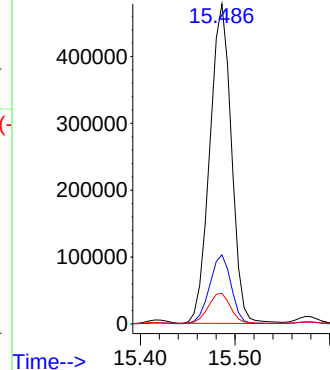
253 21.6 17.3 25.9

125 9.6 7.0 10.4

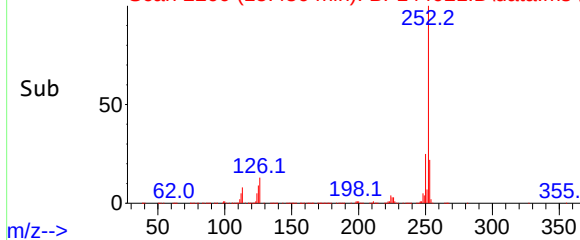
Abundance Scan 2260 (15.486 min): BF144021.D\data.ms



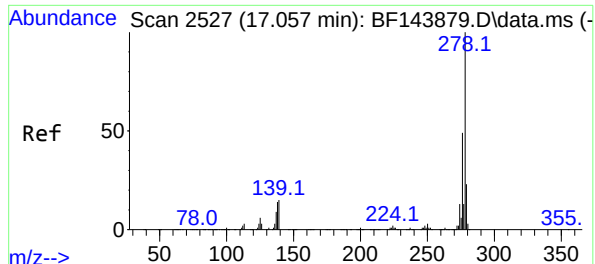
Abundance



Abundance Scan 2260 (15.486 min): BF144021.D\data.ms (-



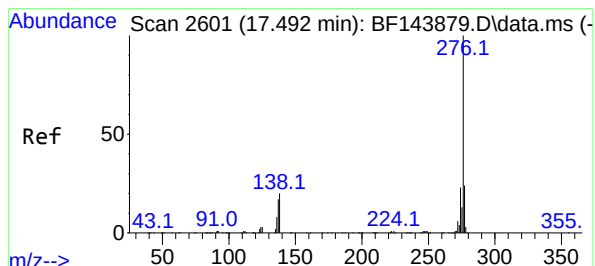
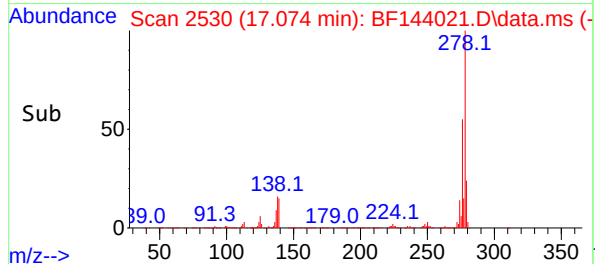
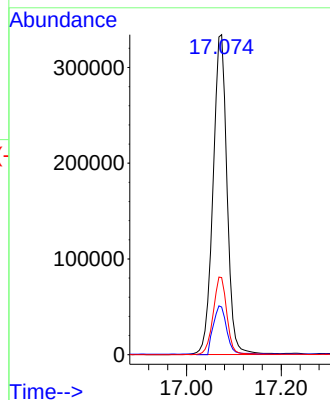
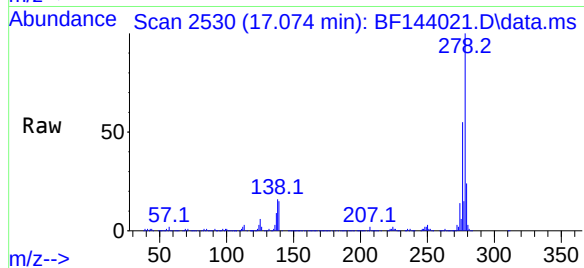
Time-->



#91
Dibenzo(a,h)anthracene
Concen: 48.35 ng
RT: 17.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

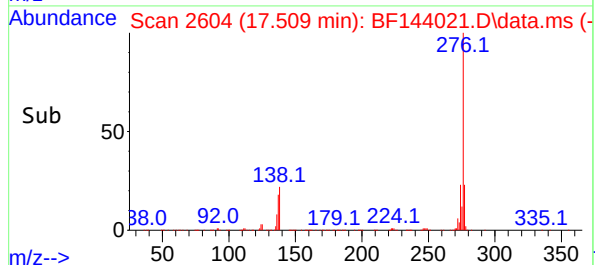
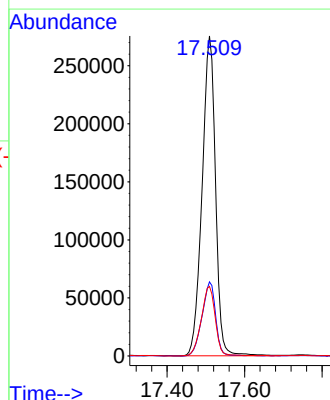
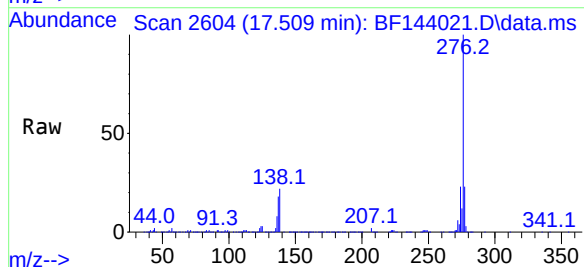
Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:278 Resp: 686996
Ion Ratio Lower Upper
278 100
139 14.9 11.7 17.5
279 24.1 18.4 27.6



#92
Benzo(g,h,i)perylene
Concen: 46.57 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:276 Resp: 661800
Ion Ratio Lower Upper
276 100
277 23.2 19.0 28.6
138 21.8 16.1 24.1





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Fax : 908 789 8922

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: 41-LBMSD
Lab Sample ID: Q3402-07MSD
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.08 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 65.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	850		1	140	300	ug/Kg	10/21/25 19:58	PB170180
108-95-2	Phenol	1500		1	20.1	150	ug/Kg	10/21/25 19:58	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	22.1	150	ug/Kg	10/21/25 19:58	PB170180
95-57-8	2-Chlorophenol	1500		1	22.2	150	ug/Kg	10/21/25 19:58	PB170180
95-48-7	2-Methylphenol	1400		1	27.2	150	ug/Kg	10/21/25 19:58	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	34.1	150	ug/Kg	10/21/25 19:58	PB170180
98-86-2	Acetophenone	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
65794-96-9	3+4-Methylphenols	1400		1	37.4	300	ug/Kg	10/21/25 19:58	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	43.1	72.7	ug/Kg	10/21/25 19:58	PB170180
67-72-1	Hexachloroethane	1500		1	16.0	150	ug/Kg	10/21/25 19:58	PB170180
98-95-3	Nitrobenzene	1600		1	16.6	150	ug/Kg	10/21/25 19:58	PB170180
78-59-1	Isophorone	1400		1	29.8	150	ug/Kg	10/21/25 19:58	PB170180
88-75-5	2-Nitrophenol	1700		1	52.9	150	ug/Kg	10/21/25 19:58	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	58.9	150	ug/Kg	10/21/25 19:58	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	28.0	150	ug/Kg	10/21/25 19:58	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
91-20-3	Naphthalene	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
106-47-8	4-Chloroaniline	580		1	32.2	150	ug/Kg	10/21/25 19:58	PB170180
87-68-3	Hexachlorobutadiene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
105-60-2	Caprolactam	1500		1	47.4	300	ug/Kg	10/21/25 19:58	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	26.1	150	ug/Kg	10/21/25 19:58	PB170180
91-57-6	2-Methylnaphthalene	1300		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
77-47-4	Hexachlorocyclopentadiene	3100	E	1	110	300	ug/Kg	10/21/25 19:58	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	18.0	150	ug/Kg	10/21/25 19:58	PB170180
95-95-4	2,4,5-Trichlorophenol	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
92-52-4	1,1-Biphenyl	1600		1	19.8	150	ug/Kg	10/21/25 19:58	PB170180
91-58-7	2-Chloronaphthalene	1500		1	20.5	150	ug/Kg	10/21/25 19:58	PB170180
88-74-4	2-Nitroaniline	1600		1	43.7	150	ug/Kg	10/21/25 19:58	PB170180
131-11-3	Dimethylphthalate	1500		1	24.6	150	ug/Kg	10/21/25 19:58	PB170180
208-96-8	Acenaphthylene	1700		1	26.3	150	ug/Kg	10/21/25 19:58	PB170180
606-20-2	2,6-Dinitrotoluene	1700		1	30.5	150	ug/Kg	10/21/25 19:58	PB170180
99-09-2	3-Nitroaniline	1100		1	41.8	150	ug/Kg	10/21/25 19:58	PB170180
83-32-9	Acenaphthene	1500		1	19.4	150	ug/Kg	10/21/25 19:58	PB170180
51-28-5	2,4-Dinitrophenol	2400		1	210	300	ug/Kg	10/21/25 19:58	PB170180
100-02-7	4-Nitrophenol	2500	E	1	97.3	300	ug/Kg	10/21/25 19:58	PB170180
132-64-9	Dibenzofuran	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
121-14-2	2,4-Dinitrotoluene	1600		1	45.5	150	ug/Kg	10/21/25 19:58	PB170180
84-66-2	Diethylphthalate	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1400		1	24.3	150	ug/Kg	10/21/25 19:58	PB170180
86-73-7	Fluorene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
100-01-6	4-Nitroaniline	1400		1	58.4	150	ug/Kg	10/21/25 19:58	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	93.6	300	ug/Kg	10/21/25 19:58	PB170180



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Fax : 908 789 8922

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: 41-LBMSD
Lab Sample ID: Q3402-07MSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 50.08 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 65.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1700		1	29.9	150	ug/Kg	10/21/25 19:58	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	25.3	150	ug/Kg	10/21/25 19:58	PB170180
118-74-1	Hexachlorobenzene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
1912-24-9	Atrazine	1600		1	30.9	150	ug/Kg	10/21/25 19:58	PB170180
87-86-5	Pentachlorophenol	2600	E	1	46.6	300	ug/Kg	10/21/25 19:58	PB170180
85-01-8	Phenanthrene	1500		1	19.0	150	ug/Kg	10/21/25 19:58	PB170180
120-12-7	Anthracene	1500		1	30.3	150	ug/Kg	10/21/25 19:58	PB170180
86-74-8	Carbazole	1500		1	28.4	150	ug/Kg	10/21/25 19:58	PB170180
84-74-2	Di-n-butylphthalate	1600		1	43.5	150	ug/Kg	10/21/25 19:58	PB170180
206-44-0	Fluoranthene	1500		1	27.3	150	ug/Kg	10/21/25 19:58	PB170180
129-00-0	Pyrene	1200		1	32.7	150	ug/Kg	10/21/25 19:58	PB170180
85-68-7	Butylbenzylphthalate	1500		1	64.9	150	ug/Kg	10/21/25 19:58	PB170180
91-94-1	3,3-Dichlorobenzidine	1400		1	33.4	300	ug/Kg	10/21/25 19:58	PB170180
56-55-3	Benzo(a)anthracene	1600		1	20.9	150	ug/Kg	10/21/25 19:58	PB170180
218-01-9	Chrysene	1600		1	18.1	150	ug/Kg	10/21/25 19:58	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1700		1	53.8	150	ug/Kg	10/21/25 19:58	PB170180
117-84-0	Di-n-octyl phthalate	2000		1	78.9	300	ug/Kg	10/21/25 19:58	PB170180
205-99-2	Benzo(b)fluoranthene	1500		1	17.3	150	ug/Kg	10/21/25 19:58	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	20.4	150	ug/Kg	10/21/25 19:58	PB170180
50-32-8	Benzo(a)pyrene	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
53-70-3	Dibenzo(a,h)anthracene	1500		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180
191-24-2	Benzo(g,h,i)perylene	1400		1	23.4	150	ug/Kg	10/21/25 19:58	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
123-91-1	1,4-Dioxane	1300		1	41.1	150	ug/Kg	10/21/25 19:58	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1400		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180

SURROGATES

367-12-4	2-Fluorophenol	92.9		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	91.9		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.7		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.7		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.1		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	34.4		10 - 105	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	106000
1146-65-2	Naphthalene-d8	388000
15067-26-2	Acenaphthene-d10	194000
1517-22-2	Phenanthrene-d10	287000
1719-03-5	Chrysene-d12	224000
1520-96-3	Perylene-d12	293000

Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMSD	SDG No.:	Q3393
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.9
	Level : LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	50.08 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144022.D
 Acq On : 21 Oct 2025 19:58
 Operator : RC/JU
 Sample : Q3402-07MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 41-LBMSD

Quant Time: Oct 22 11:11:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	105784	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	388491	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	194134	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	286809	20.00	ng	0.00
76) Chrysene-d12	14.063	240	223920	20.00	ng	0.00
86) Perylene-d12	15.545	264	293398	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	618906	92.91	ng	0.00
7) Phenol-d6	6.510	99	729330	91.85	ng	0.00
23) Nitrobenzene-d5	7.445	82	400768	62.67	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	145268	75.13	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	534920	43.72	ng	-0.01
79) Terphenyl-d14	12.998	244	450251	34.37	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	134906	43.76	ng	96
3) Pyridine	3.452	79	377009	42.01	ng	98
4) n-Nitrosodimethylamine	3.405	42	225971	47.87	ng	94
6) Aniline	6.546	93	412091	34.63	ng	97
8) 2-Chlorophenol	6.669	128	314010	48.22	ng	97
9) Benzaldehyde	6.434	77	171182	27.95	ng	99
10) Phenol	6.522	94	470825	49.60	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	353592	48.22	ng	98
12) 1,3-Dichlorobenzene	6.822	146	371669	47.68	ng	99
13) 1,4-Dichlorobenzene	6.898	146	375293	48.81	ng	99
14) 1,2-Dichlorobenzene	7.051	146	363754	49.39	ng	98
15) Benzyl Alcohol	7.022	79	292141	49.11	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	792872	47.50	ng	99
17) 2-Methylphenol	7.134	107	254720	47.33	ng	99
18) Hexachloroethane	7.393	117	122779	47.88	ng	97
19) n-Nitroso-di-n-propyla...	7.293	70	242161	44.56	ng	97
20) 3+4-Methylphenols	7.287	107	291162	46.68	ng	# 69
22) Acetophenone	7.293	105	442786	53.90	ng	99
24) Nitrobenzene	7.463	77	364151	51.28	ng	99
25) Isophorone	7.704	82	643056	47.69	ng	98
26) 2-Nitrophenol	7.781	139	175307	57.58	ng	97
27) 2,4-Dimethylphenol	7.816	122	294576	53.79	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	418504	49.14	ng	99
29) 2,4-Dichlorophenol	8.022	162	265392	46.52	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	285429	50.88	ng	98
31) Naphthalene	8.187	128	845626	47.85	ng	100
32) Benzoic acid	7.928	122	203422	53.67	ng	98
33) 4-Chloroaniline	8.234	127	126445	19.08	ng	98
34) Hexachlorobutadiene	8.304	225	186031	47.72	ng	98
35) Caprolactam	8.604	113	89234	49.20	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	248388	45.33	ng	99
37) 2-Methylnaphthalene	8.881	142	493824	41.95	ng	97
38) 1-Methylnaphthalene	8.975	142	505391	44.26	ng	97
40) 1,2,4,5-Tetrachloroben...	9.045	216	296244	55.21	ng	99
41) Hexachlorocyclopentadiene	9.034	237	227968	102.41	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	191391	48.82	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144022.D
 Acq On : 21 Oct 2025 19:58
 Operator : RC/JU
 Sample : Q3402-07MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 41-LBMSD

Quant Time: Oct 22 11:11:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

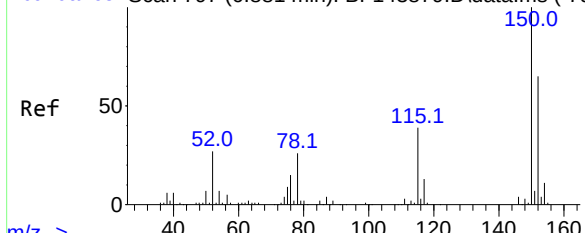
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	199399	48.13	ng	99
46) 1,1'-Biphenyl	9.339	154	699744	54.44	ng	98
47) 2-Chloronaphthalene	9.369	162	529818	49.44	ng	97
48) 2-Nitroaniline	9.463	65	179609	53.01	ng	98
49) Acenaphthylene	9.787	152	823759	54.68	ng	100
50) Dimethylphthalate	9.639	163	611995	49.64	ng	99
51) 2,6-Dinitrotoluene	9.704	165	130428	57.05	ng	95
52) Acenaphthene	9.957	154	486738	49.30	ng	100
53) 3-Nitroaniline	9.875	138	97528	34.84	ng	99
54) 2,4-Dinitrophenol	9.981	184	109640	77.95	ng	94
55) Dibenzofuran	10.128	168	657401	47.17	ng	99
56) 4-Nitrophenol	10.039	139	175713	82.91	ng	98
57) 2,4-Dinitrotoluene	10.110	165	168424	54.15	ng	97
58) Fluorene	10.475	166	495457	47.12	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	133635	45.57	ng	99
60) Diethylphthalate	10.339	149	547114	47.77	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	254519	45.78	ng	97
62) 4-Nitroaniline	10.486	138	122960	45.68	ng	93
63) Azobenzene	10.622	77	615682	51.44	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	85035	59.00	ng	96
66) n-Nitrosodiphenylamine	10.581	169	495231	54.99	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	157374	49.65	ng	98
68) Hexachlorobenzene	11.022	284	170411	46.44	ng	99
69) Atrazine	11.110	200	148200	54.30	ng	99
70) Pentachlorophenol	11.216	266	183498	87.07	ng	97
71) Phenanthrene	11.439	178	685938	49.33	ng	99
72) Anthracene	11.492	178	706739	50.31	ng	100
73) Carbazole	11.645	167	615869	49.50	ng	99
74) Di-n-butylphthalate	11.975	149	753521	52.26	ng	99
75) Fluoranthene	12.627	202	705704	49.14	ng	99
77) Benzidine	12.751	184	341647	43.94	ng	97
78) Pyrene	12.863	202	738321	39.55	ng	100
80) Butylbenzylphthalate	13.475	149	297568	49.08	ng	100
81) Benzo(a)anthracene	14.051	228	751378	51.28	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	207789	46.53	ng	99
83) Chrysene	14.086	228	720720	53.14	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	417651	57.15	ng	98
85) Di-n-octyl phthalate	14.651	149	803920	66.97	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	866474	48.20	ng	98
88) Benzo(b)fluoranthene	15.110	252	827497	49.10	ng	99
89) Benzo(k)fluoranthene	15.139	252	725032	46.49	ng	98
90) Benzo(a)pyrene	15.486	252	766944	52.48	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	705803	48.81	ng	98
92) Benzo(g,h,i)perylene	17.510	276	666626	46.10	ng	97

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

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

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

Abundance Scan 797 (6.881 min): BF143879.D\data.ms (-79)



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.881 min Scan# 79

Delta R.T. -0.005 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

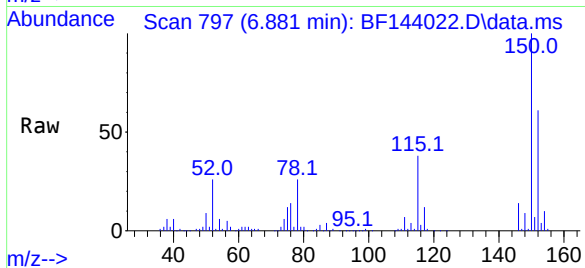
Tgt Ion:152 Resp: 105784

Ion Ratio Lower Upper

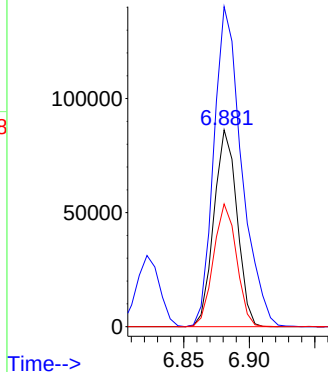
152 100

150 162.6 124.4 186.6

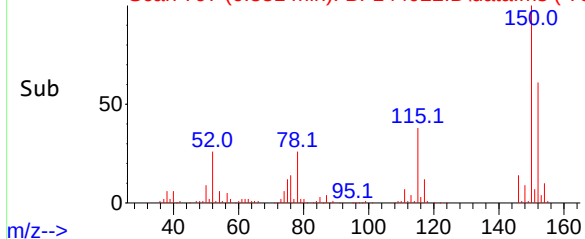
115 62.4 48.1 72.1



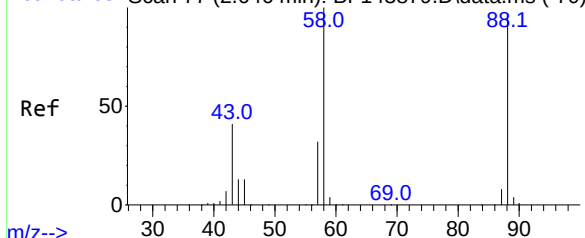
Abundance



Abundance Scan 797 (6.881 min): BF144022.D\data.ms (-78)



Abundance Scan 77 (2.646 min): BF143879.D\data.ms (-70)



#2

1,4-Dioxane

Concen: 43.76 ng

RT: 2.693 min Scan# 85

Delta R.T. 0.047 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

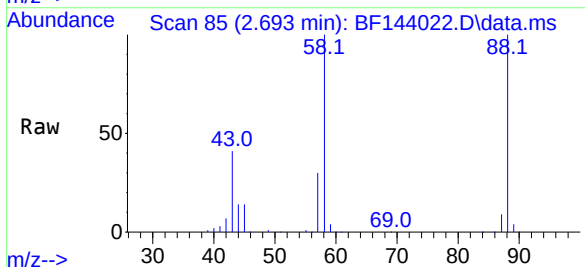
Tgt Ion: 88 Resp: 134906

Ion Ratio Lower Upper

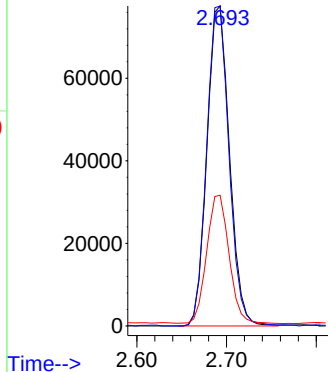
88 100

58 99.6 83.0 124.6

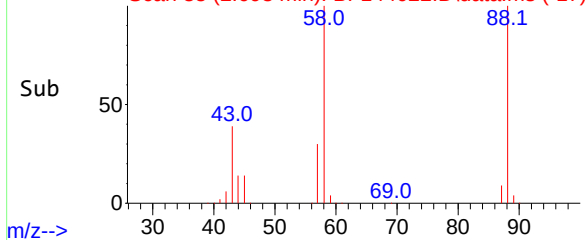
43 39.8 33.9 50.9

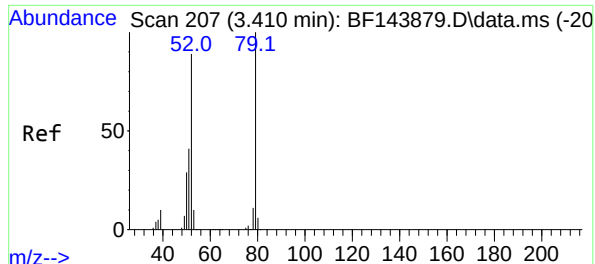


Abundance



Abundance Scan 85 (2.693 min): BF144022.D\data.ms (-17)

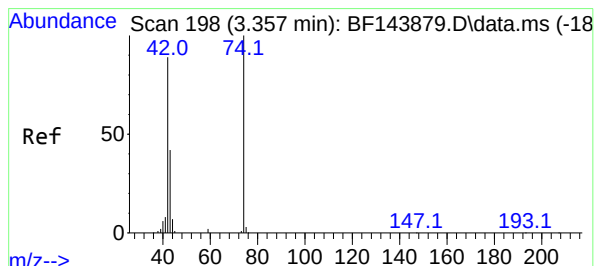
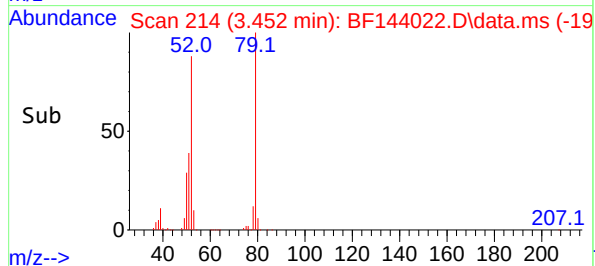
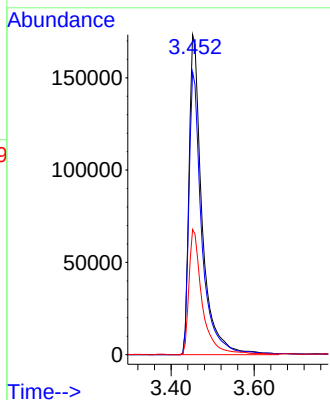
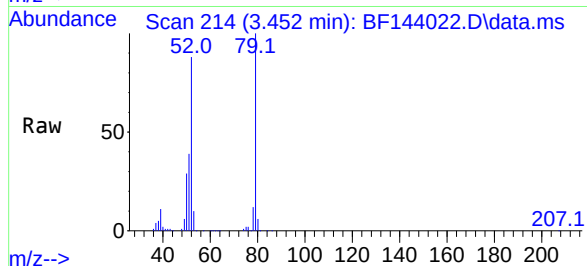




#3
Pyridine
Concen: 42.01 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.036 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

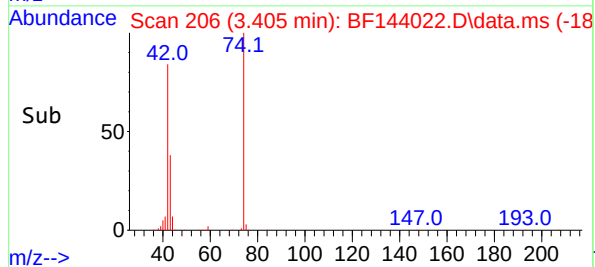
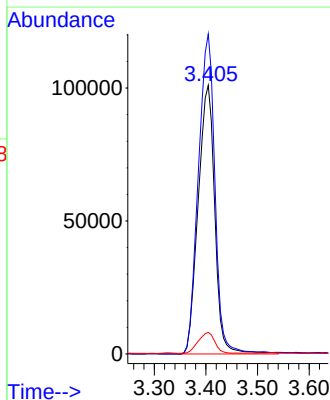
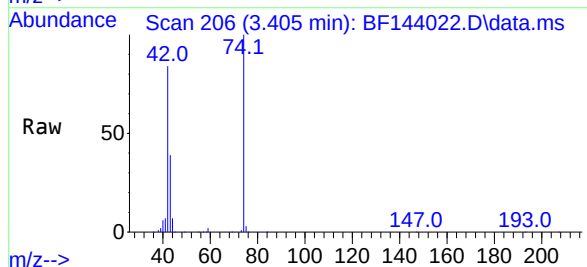
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion: 79 Resp: 377009
Ion Ratio Lower Upper
79 100
52 88.3 71.5 107.3
51 39.1 32.9 49.3

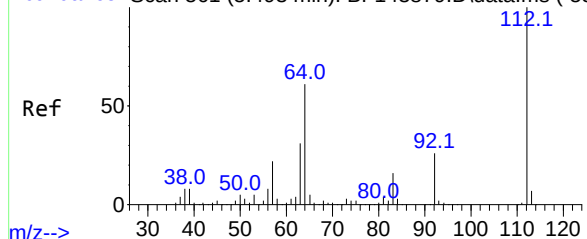


#4
n-Nitrosodimethylamine
Concen: 47.87 ng
RT: 3.405 min Scan# 206
Delta R.T. 0.018 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion: 42 Resp: 225971
Ion Ratio Lower Upper
42 100
74 119.1 90.0 135.0
44 8.1 6.2 9.2



Abundance Scan 561 (5.493 min): BF143879.D\data.ms (-55



#5

2-Fluorophenol

Concen: 92.91 ng

RT: 5.504 min Scan# 5

Delta R.T. 0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

Tgt Ion:112 Resp: 618906

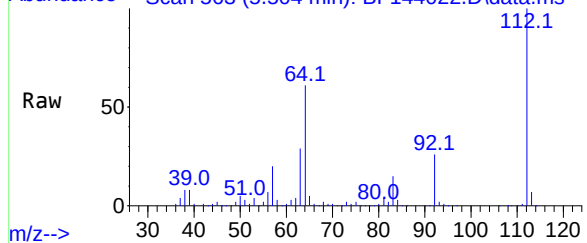
Ion Ratio Lower Upper

112 100

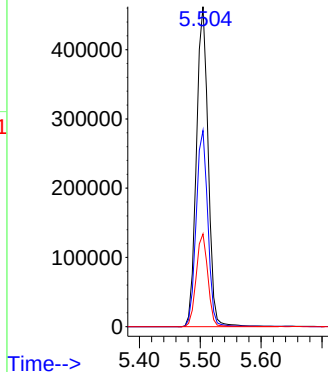
64 61.3 49.1 73.7

63 29.0 24.5 36.7

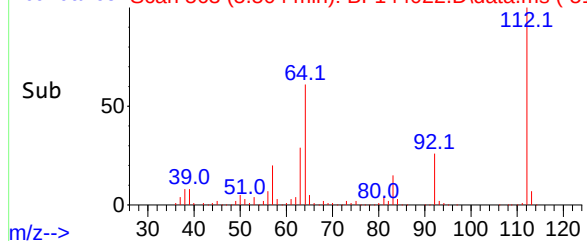
Abundance Scan 563 (5.504 min): BF144022.D\data.ms



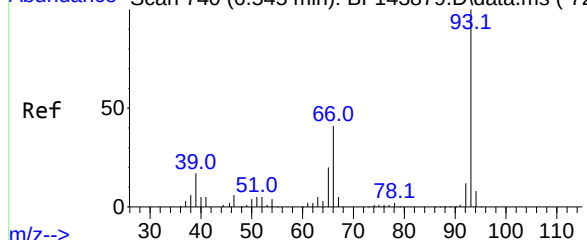
Abundance



Abundance Scan 563 (5.504 min): BF144022.D\data.ms (-51



Abundance Scan 740 (6.545 min): BF143879.D\data.ms (-72



#6

Aniline

Concen: 34.63 ng

RT: 6.546 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion: 93 Resp: 412091

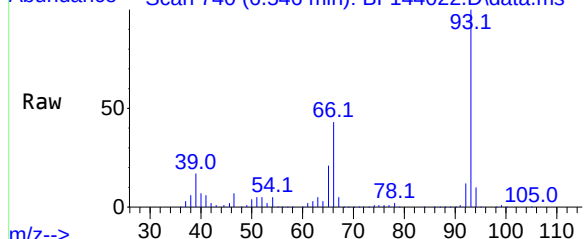
Ion Ratio Lower Upper

93 100

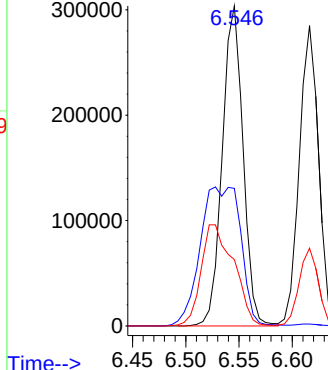
66 43.0 33.0 49.6

65 20.8 15.8 23.8

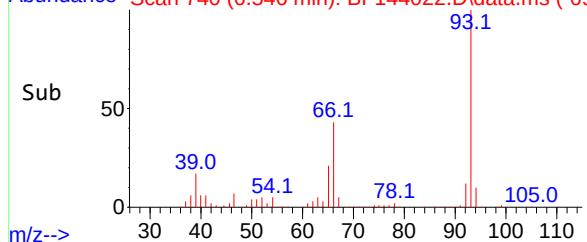
Abundance Scan 740 (6.546 min): BF144022.D\data.ms



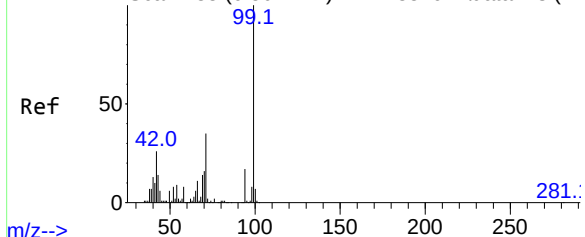
Abundance



Abundance Scan 740 (6.546 min): BF144022.D\data.ms (-69



Abundance Scan 733 (6.504 min): BF143879.D\data.ms (-72



#7

Phenol-d6

Concen: 91.85 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

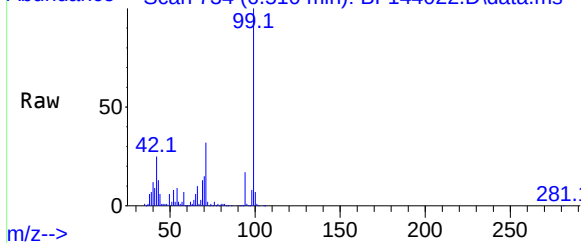
ClientSampleId :

41-LBMSD

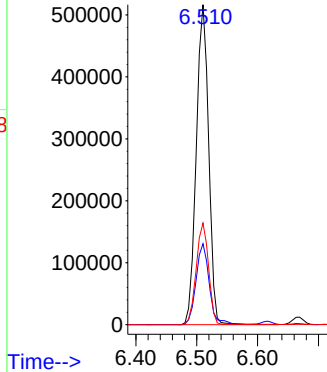
Tgt Ion: 99 Resp: 729330

Ion	Ratio	Lower	Upper
99	100		
42	25.3	21.0	31.4
71	31.7	27.8	41.8

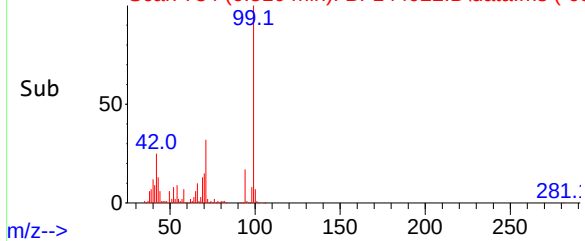
Abundance Scan 734 (6.510 min): BF144022.D\data.ms



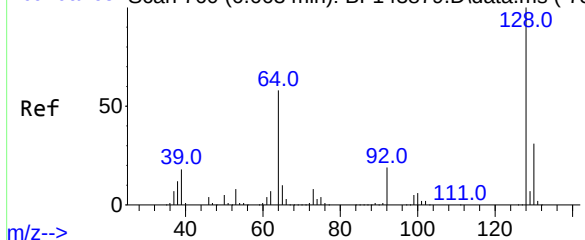
Abundance



Abundance Scan 734 (6.510 min): BF144022.D\data.ms (-68



Abundance Scan 760 (6.663 min): BF143879.D\data.ms (-75



#8

2-Chlorophenol

Concen: 48.22 ng

RT: 6.669 min Scan# 761

Delta R.T. 0.000 min

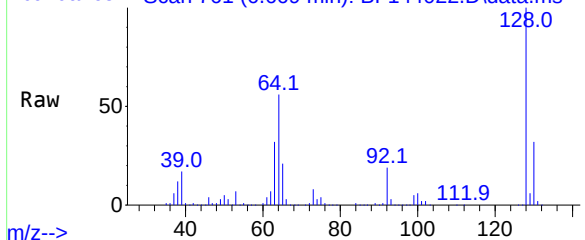
Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

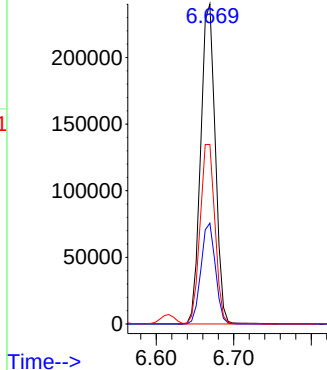
Tgt Ion: 128 Resp: 314010

Ion	Ratio	Lower	Upper
128	100		
130	31.5	10.7	50.7
64	56.1	39.0	79.0

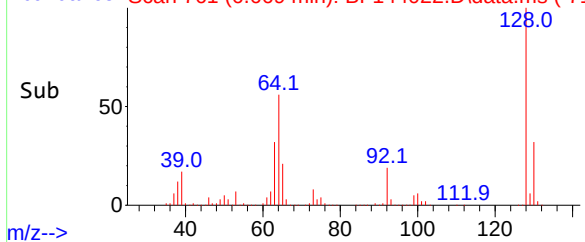
Abundance Scan 761 (6.669 min): BF144022.D\data.ms



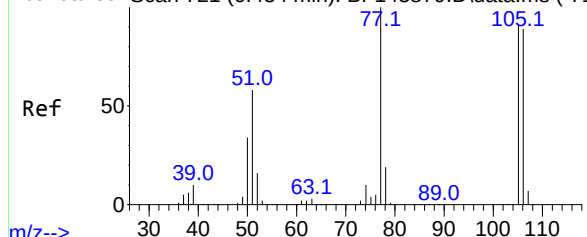
Abundance



Abundance Scan 761 (6.669 min): BF144022.D\data.ms (-71

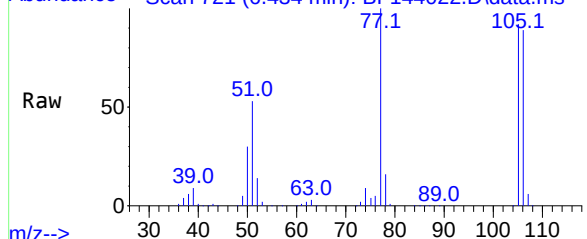


Abundance Scan 721 (6.434 min): BF143879.D\data.ms (-71



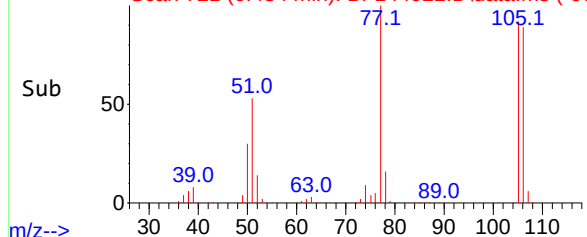
m/z-->

Abundance Scan 721 (6.434 min): BF144022.D\data.ms



m/z-->

Abundance Scan 721 (6.434 min): BF144022.D\data.ms (-67



m/z-->

#9

Benzaldehyde

Concen: 27.95 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

Tgt Ion: 77 Resp: 171182

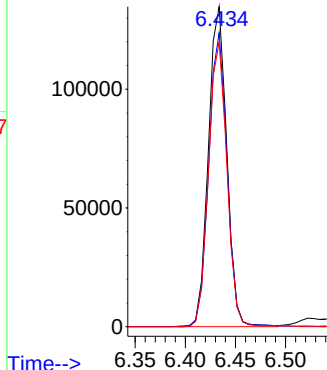
Ion Ratio Lower Upper

77 100

105 91.9 70.9 110.9

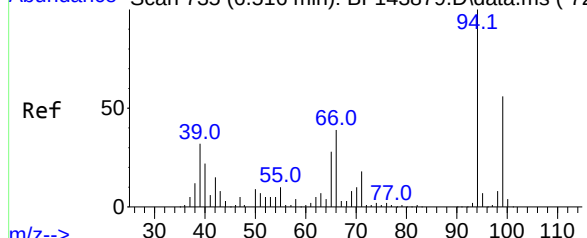
106 88.9 68.9 108.9

Abundance



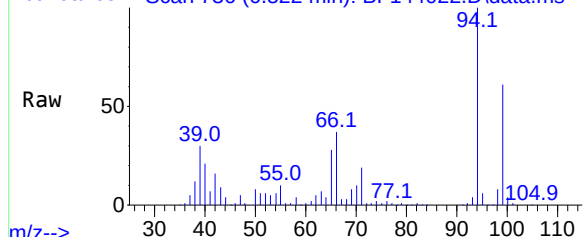
Time-->

Abundance Scan 735 (6.516 min): BF143879.D\data.ms (-72



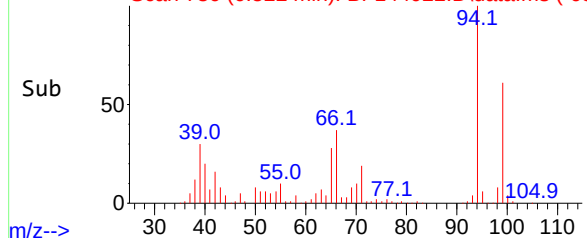
m/z-->

Abundance Scan 736 (6.522 min): BF144022.D\data.ms



m/z-->

Abundance Scan 736 (6.522 min): BF144022.D\data.ms (-68



m/z-->

#10

Phenol

Concen: 49.60 ng

RT: 6.522 min Scan# 736

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion: 94 Resp: 470825

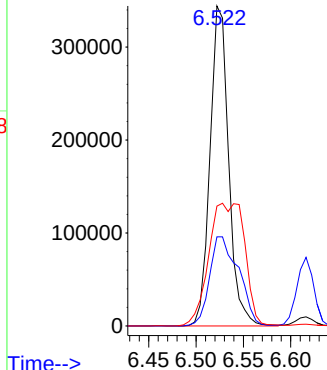
Ion Ratio Lower Upper

94 100

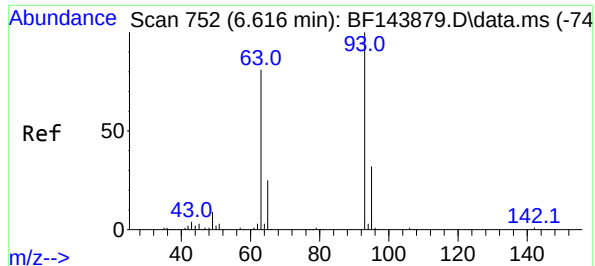
65 27.9 8.5 48.5

66 37.5 19.9 59.9

Abundance



Time-->



#11

bis(2-Chloroethyl)ether

Concen: 48.22 ng

RT: 6.616 min Scan# 752

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

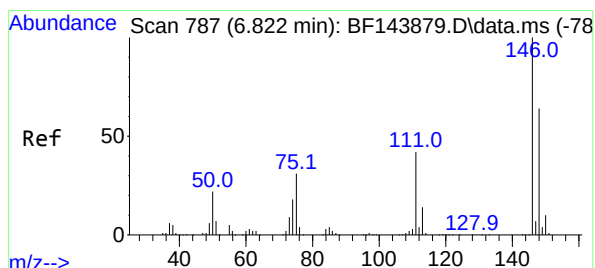
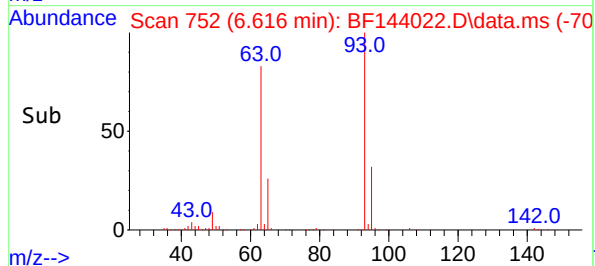
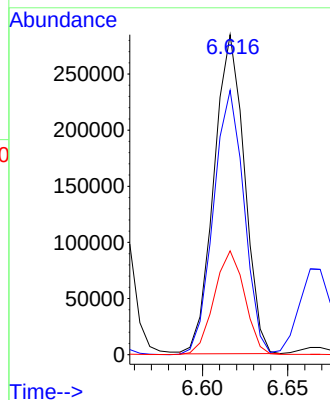
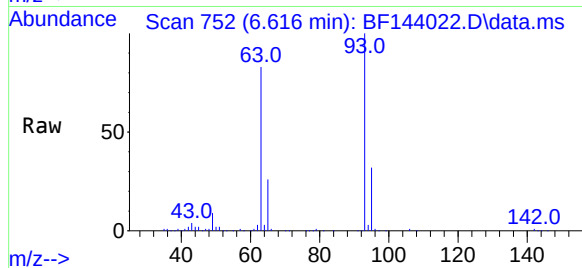
Tgt Ion: 93 Resp: 353592

Ion Ratio Lower Upper

93 100

63 82.6 60.9 100.9

95 32.4 11.5 51.5



#12

1,3-Dichlorobenzene

Concen: 47.68 ng

RT: 6.822 min Scan# 787

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

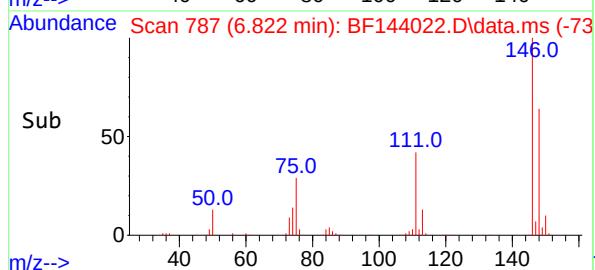
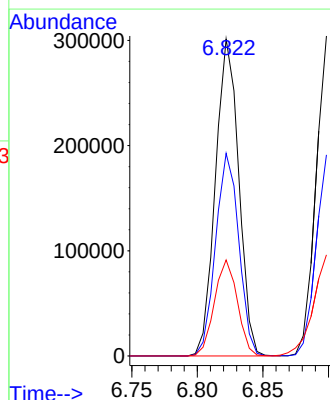
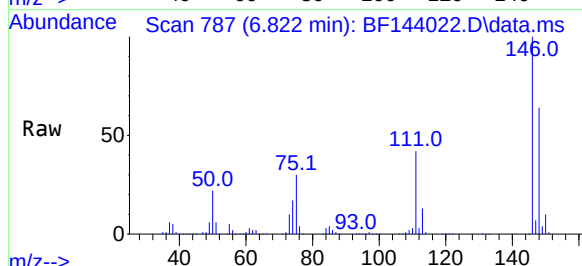
Tgt Ion: 146 Resp: 371669

Ion Ratio Lower Upper

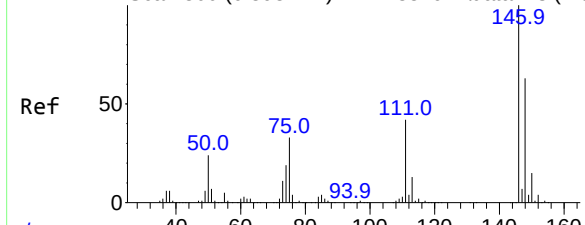
146 100

148 63.9 51.0 76.4

75 30.3 24.9 37.3

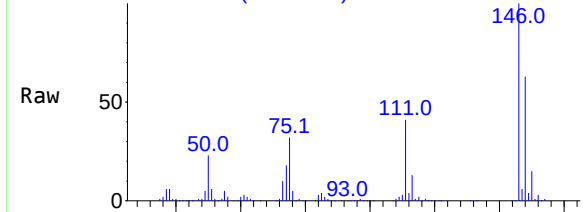


Abundance Scan 800 (6.898 min): BF143879.D\data.ms (-79



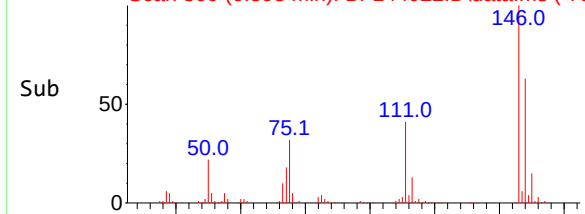
m/z-->

Abundance Scan 800 (6.898 min): BF144022.D\data.ms



m/z-->

Abundance Scan 800 (6.898 min): BF144022.D\data.ms (-75



m/z-->

#13

1,4-Dichlorobenzene

Concen: 48.81 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

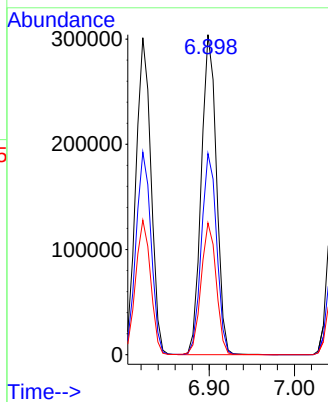
Tgt Ion:146 Resp: 375293

Ion Ratio Lower Upper

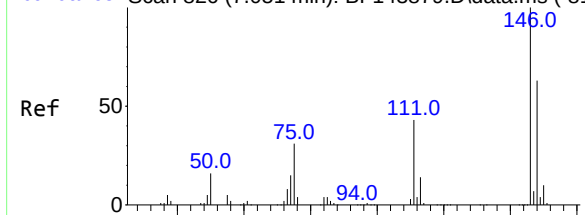
146 100

148 62.9 50.5 75.7

111 41.2 33.4 50.0

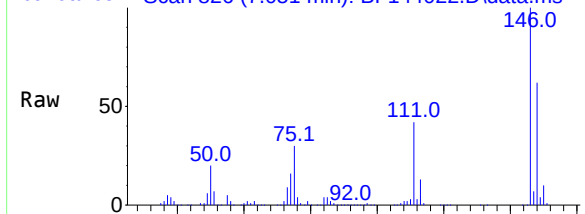


Abundance Scan 826 (7.051 min): BF143879.D\data.ms (-81



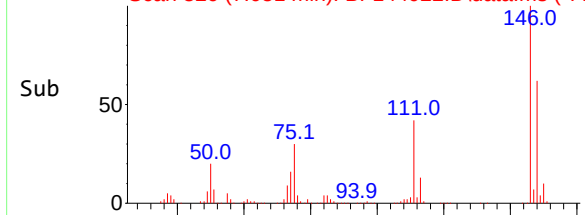
m/z-->

Abundance Scan 826 (7.051 min): BF144022.D\data.ms



m/z-->

Abundance Scan 826 (7.051 min): BF144022.D\data.ms (-77



m/z-->

#14

1,2-Dichlorobenzene

Concen: 49.39 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

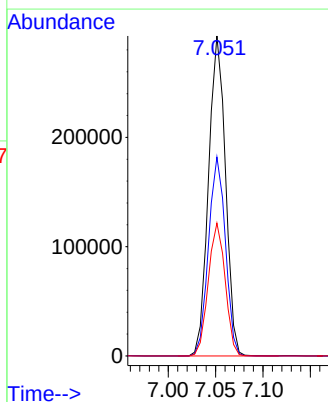
Tgt Ion:146 Resp: 363754

Ion Ratio Lower Upper

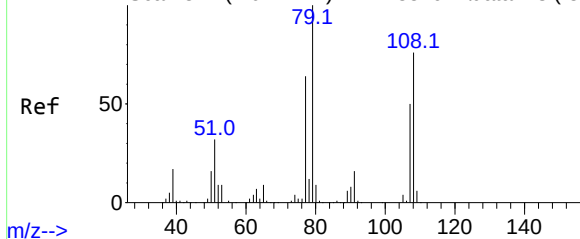
146 100

148 62.2 50.6 75.8

111 41.5 34.6 51.8



Abundance Scan 821 (7.022 min): BF143879.D\data.ms (-81



#15

Benzyl Alcohol

Concen: 49.11 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

Tgt Ion: 79 Resp: 292141

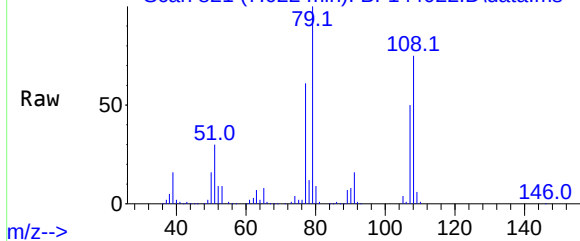
Ion Ratio Lower Upper

79 100

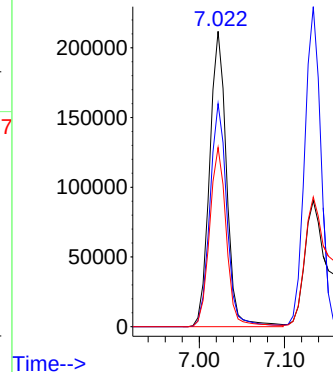
108 75.5 60.8 91.2

77 60.7 51.0 76.6

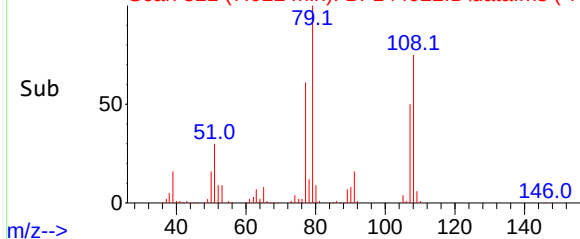
Abundance Scan 821 (7.022 min): BF144022.D\data.ms



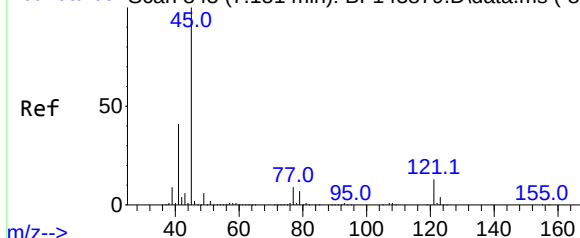
Abundance



Abundance Scan 821 (7.022 min): BF144022.D\data.ms (-77



Abundance Scan 843 (7.151 min): BF143879.D\data.ms (-83



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.50 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion: 45 Resp: 792872

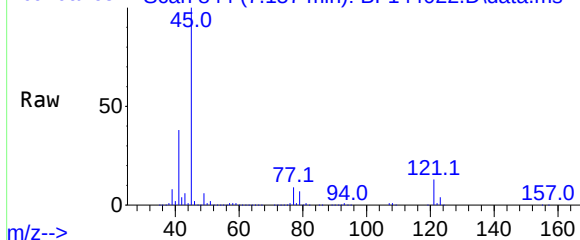
Ion Ratio Lower Upper

45 100

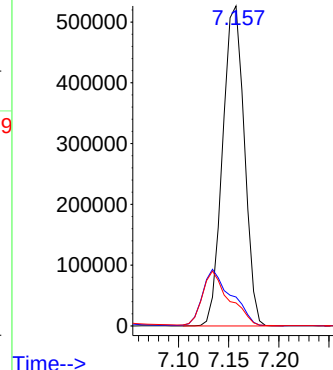
77 9.1 0.0 29.0

79 7.2 0.0 26.8

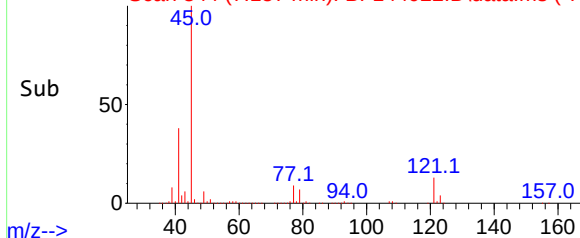
Abundance Scan 844 (7.157 min): BF144022.D\data.ms



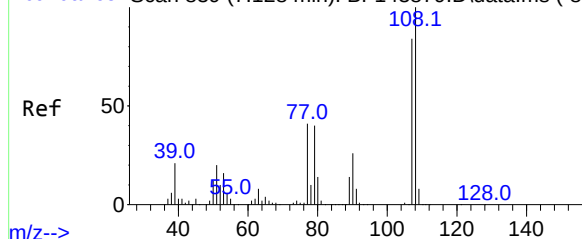
Abundance



Abundance Scan 844 (7.157 min): BF144022.D\data.ms (-79



Abundance Scan 839 (7.128 min): BF143879.D\data.ms (-83



#17

2-Methylphenol

Concen: 47.33 ng

RT: 7.134 min Scan# 84

Delta R.T. 0.000 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

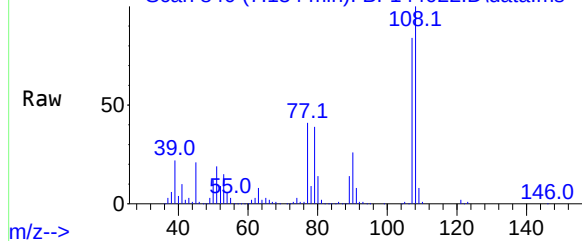
BNA_F

ClientSampleId :

41-LBMSD

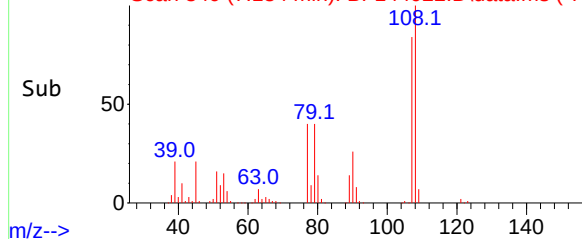
m/z-->

Abundance Scan 840 (7.134 min): BF144022.D\data.ms



m/z-->

Abundance Scan 840 (7.134 min): BF144022.D\data.ms (-78



m/z-->

Tgt Ion:107 Resp: 254720

Ion Ratio Lower Upper

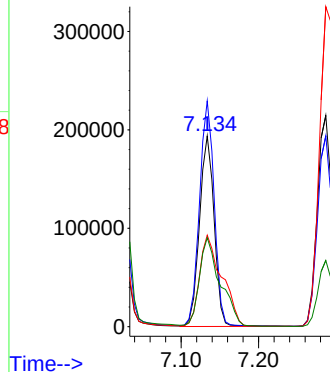
107 100

108 118.4 94.7 142.1

77 48.0 38.8 58.2

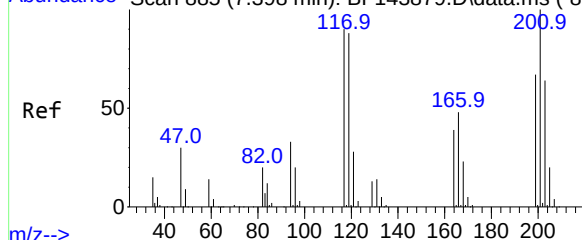
79 46.7 38.3 57.5

Abundance



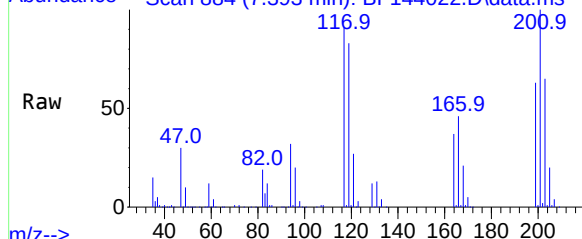
Time-->

Abundance Scan 885 (7.398 min): BF143879.D\data.ms (-87



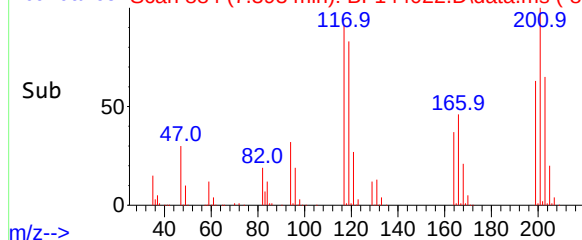
m/z-->

Abundance Scan 884 (7.393 min): BF144022.D\data.ms



m/z-->

Abundance Scan 884 (7.393 min): BF144022.D\data.ms (-83



m/z-->

#18

Hexachloroethane

Concen: 47.88 ng

RT: 7.393 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion:117 Resp: 122779

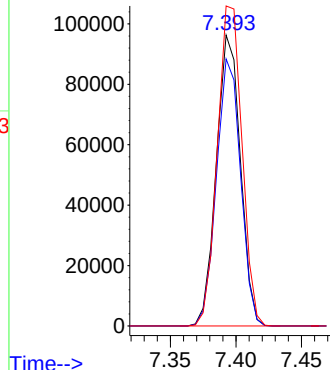
Ion Ratio Lower Upper

117 100

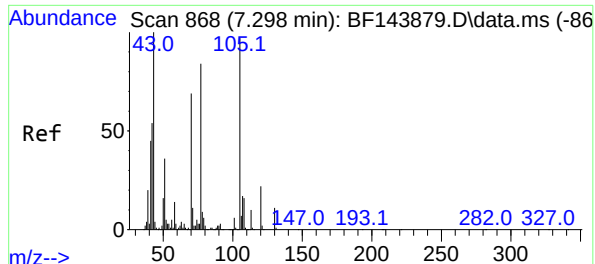
119 91.8 77.8 116.8

201 110.0 88.5 132.7

Abundance



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 44.56 ng

RT: 7.293 min Scan# 868

Delta R.T. -0.023 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

Tgt Ion: 70 Resp: 242161

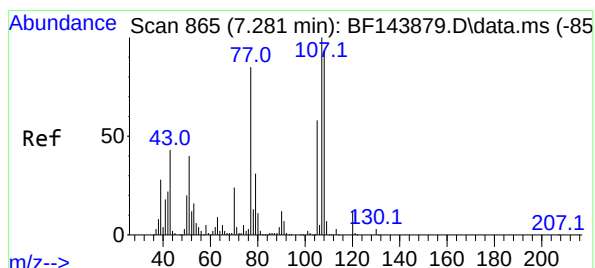
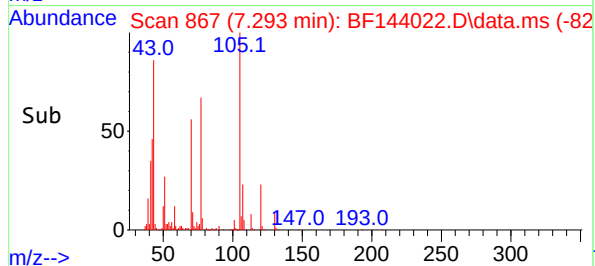
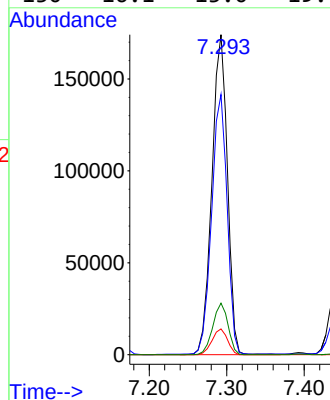
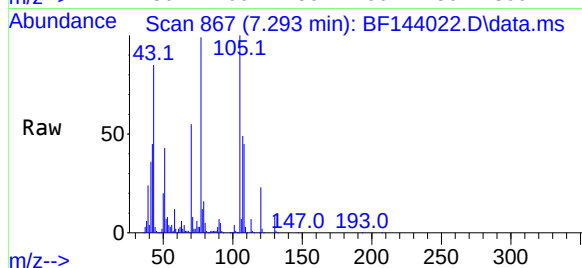
Ion Ratio Lower Upper

70 100

42 81.3 62.8 94.2

101 8.0 6.7 10.1

130 16.1 13.0 19.4



#20

3+4-Methylphenols

Concen: 46.68 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion: 107 Resp: 291162

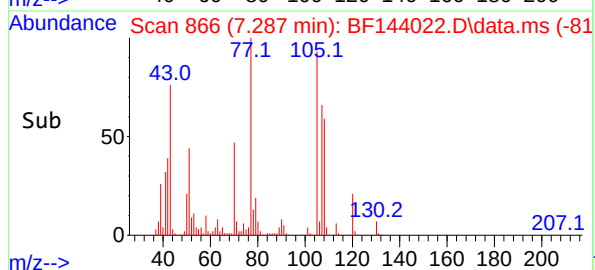
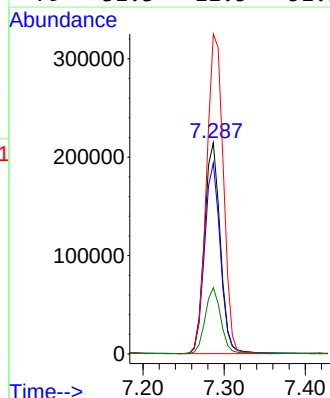
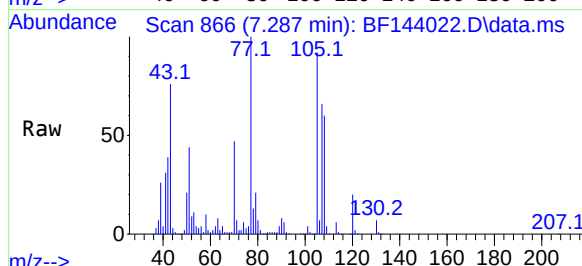
Ion Ratio Lower Upper

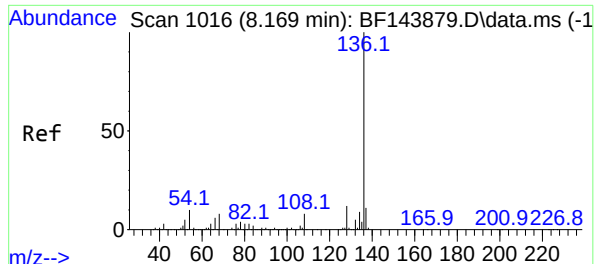
107 100

108 90.4 73.0 113.0

77 151.5 64.6 104.6#

79 31.3 11.5 51.5





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.163 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

Tgt Ion:136 Resp: 388491

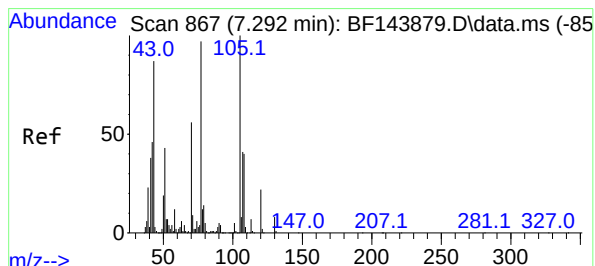
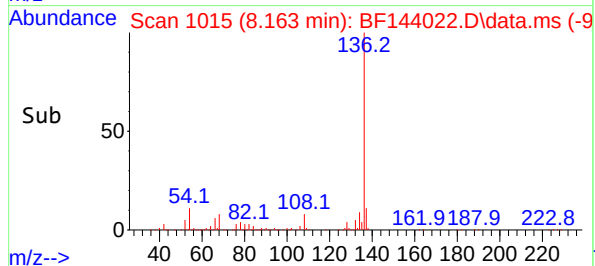
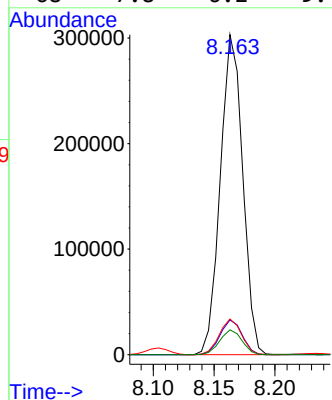
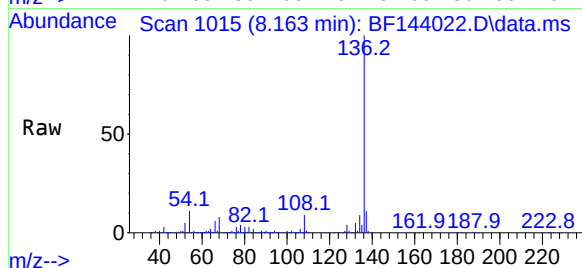
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 11.1 8.2 12.4

68 7.8 6.2 9.4



#22

Acetophenone

Concen: 53.90 ng

RT: 7.293 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion:105 Resp: 442786

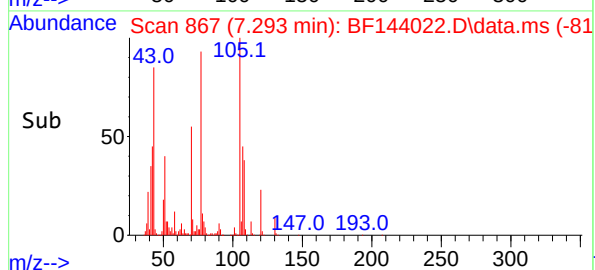
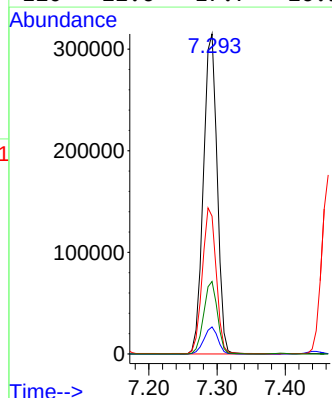
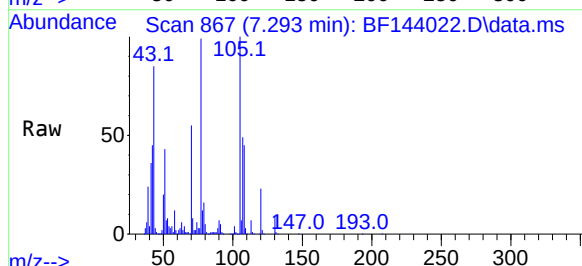
Ion Ratio Lower Upper

105 100

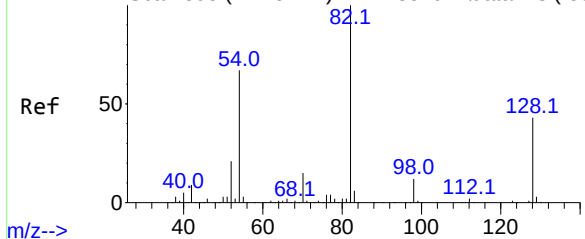
71 8.5 7.4 11.0

51 43.1 34.2 51.4

120 22.6 17.7 26.5



Abundance Scan 893 (7.445 min): BF143879.D\data.ms (-88



#23

Nitrobenzene-d5

Concen: 62.67 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

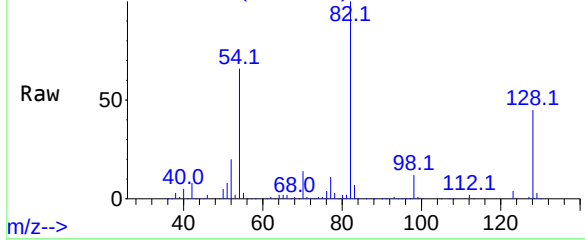
BNA_F

ClientSampleId :

41-LBMSD

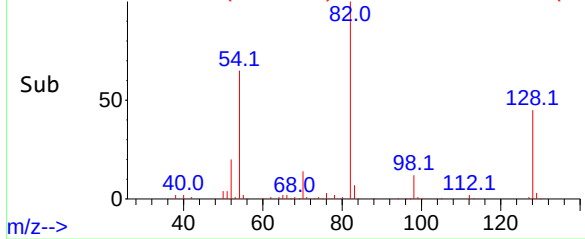
m/z-->

Abundance Scan 893 (7.445 min): BF144022.D\data.ms



m/z-->

Abundance Scan 893 (7.445 min): BF144022.D\data.ms (-84



m/z-->

Tgt Ion: 82 Resp: 400768

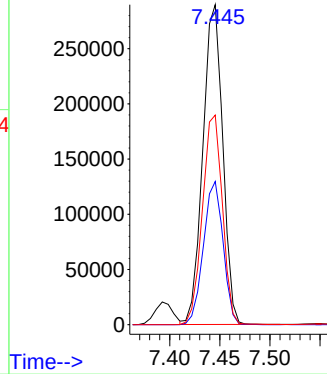
Ion Ratio Lower Upper

82 100

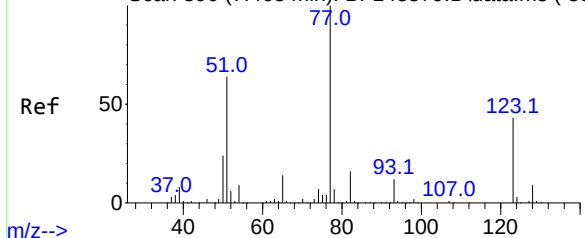
128 44.8 34.0 51.0

54 65.5 53.2 79.8

Abundance

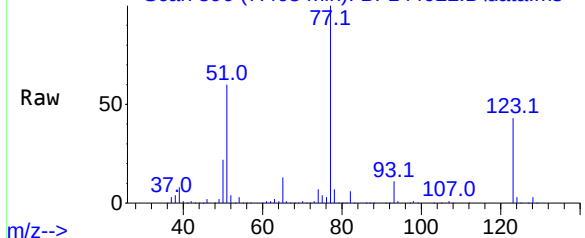


Abundance Scan 896 (7.463 min): BF143879.D\data.ms (-88



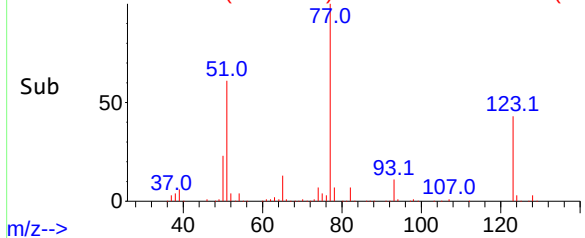
m/z-->

Abundance Scan 896 (7.463 min): BF144022.D\data.ms



m/z-->

Abundance Scan 896 (7.463 min): BF144022.D\data.ms (-84



m/z-->

#24

Nitrobenzene

Concen: 51.28 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion: 77 Resp: 364151

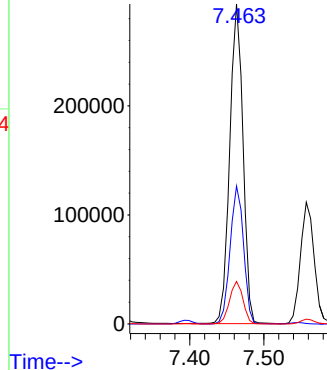
Ion Ratio Lower Upper

77 100

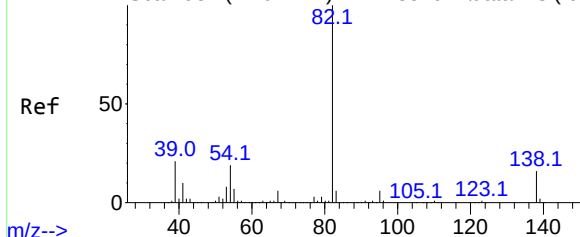
123 43.1 34.2 51.4

65 13.3 11.0 16.6

Abundance



Abundance Scan 937 (7.704 min): BF143879.D\data.ms (-93



#25

Isophorone

Concen: 47.69 ng

RT: 7.704 min Scan# 91

Delta R.T. -0.017 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

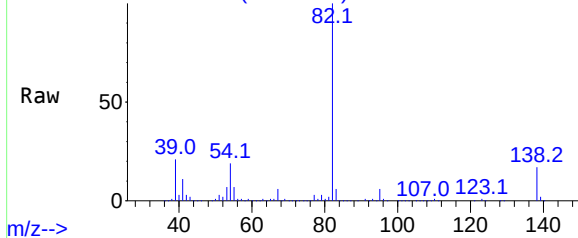
BNA_F

ClientSampleId :

41-LBMSD

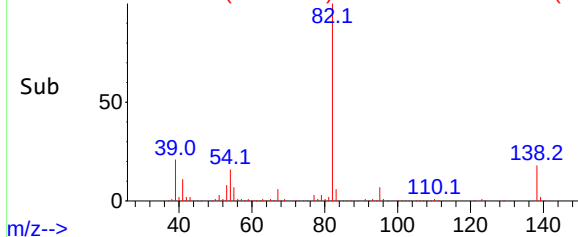
m/z-->

Abundance Scan 937 (7.704 min): BF144022.D\data.ms

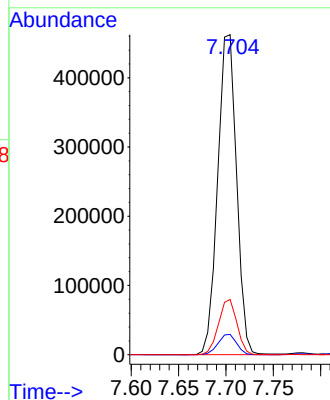


m/z-->

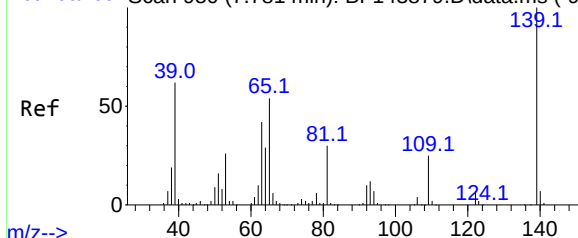
Abundance Scan 937 (7.704 min): BF144022.D\data.ms (-88



m/z-->

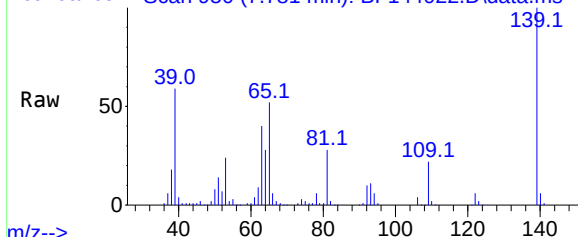


Abundance Scan 950 (7.781 min): BF143879.D\data.ms (-94



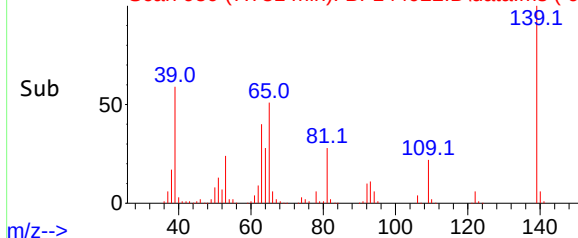
m/z-->

Abundance Scan 950 (7.781 min): BF144022.D\data.ms



m/z-->

Abundance Scan 950 (7.781 min): BF144022.D\data.ms (-90



m/z-->

#26

2-Nitrophenol

Concen: 57.58 ng

RT: 7.781 min Scan# 950

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

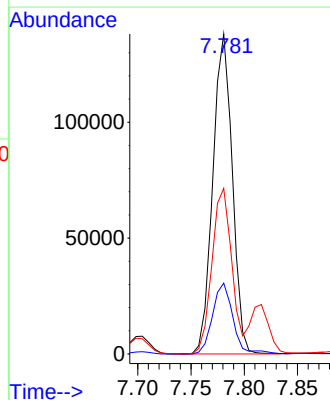
Tgt Ion:139 Resp: 175307

Ion Ratio Lower Upper

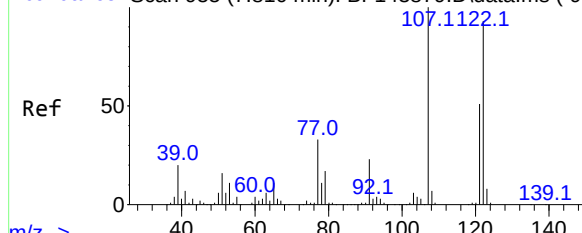
139 100

109 22.1 19.8 29.6

65 51.8 42.9 64.3



Abundance Scan 955 (7.810 min): BF143879.D\data.ms (-94



#27

2,4-Dimethylphenol

Concen: 53.79 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

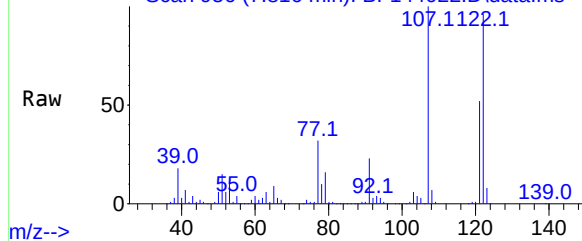
BNA_F

ClientSampleId :

41-LBMSD

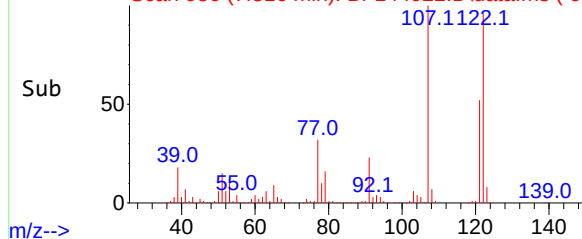
m/z-->

Abundance Scan 956 (7.816 min): BF144022.D\data.ms



m/z-->

Abundance Scan 956 (7.816 min): BF144022.D\data.ms (-90



m/z-->

Tgt Ion:122 Resp: 294576

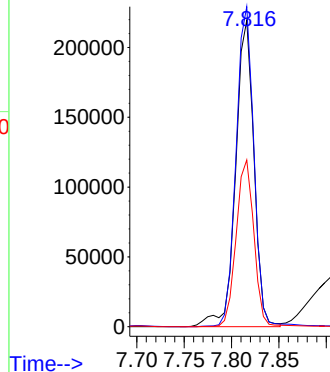
Ion Ratio Lower Upper

122 100

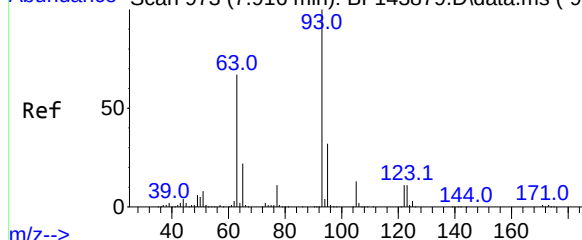
107 104.4 86.1 129.1

121 54.4 43.8 65.6

Abundance

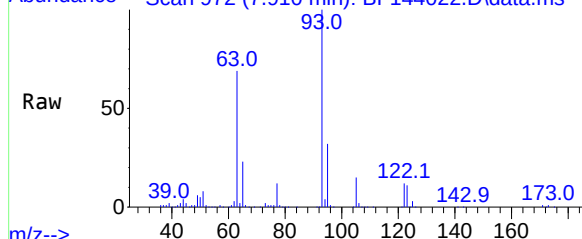


Abundance Scan 973 (7.916 min): BF143879.D\data.ms (-96



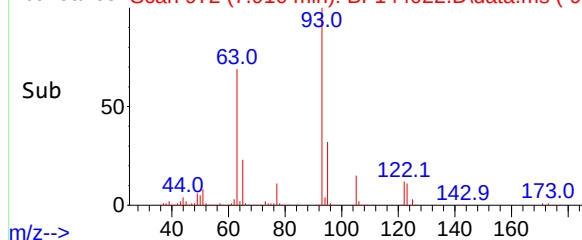
m/z-->

Abundance Scan 972 (7.910 min): BF144022.D\data.ms



m/z-->

Abundance Scan 972 (7.910 min): BF144022.D\data.ms (-92



m/z-->

#28

bis(2-Chloroethoxy)methane

Concen: 49.14 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion: 93 Resp: 418504

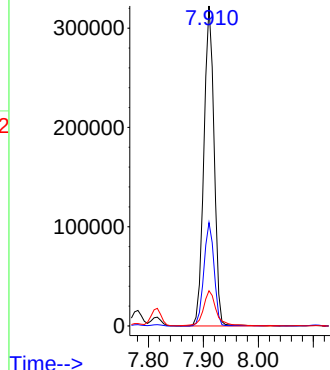
Ion Ratio Lower Upper

93 100

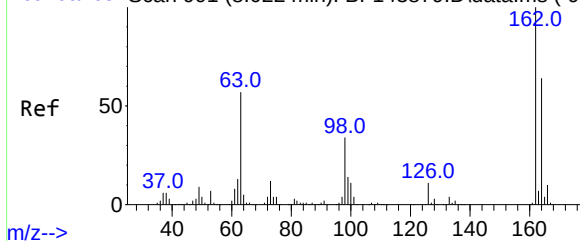
95 32.3 25.9 38.9

123 11.0 9.4 14.0

Abundance



Abundance Scan 991 (8.022 min): BF143879.D\data.ms (-98



#29

2,4-Dichlorophenol

Concen: 46.52 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

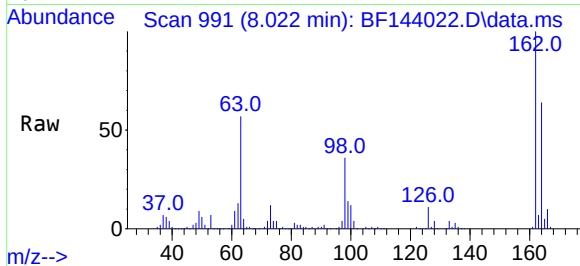
Instrument :

BNA_F

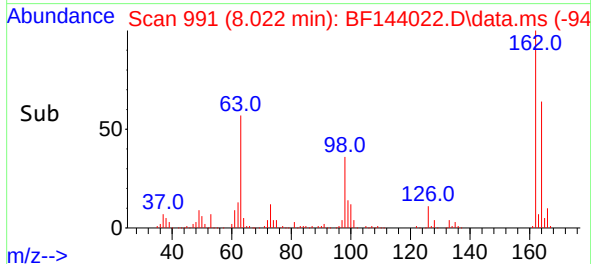
ClientSampleId :

41-LBMSD

m/z-->



m/z-->



m/z-->

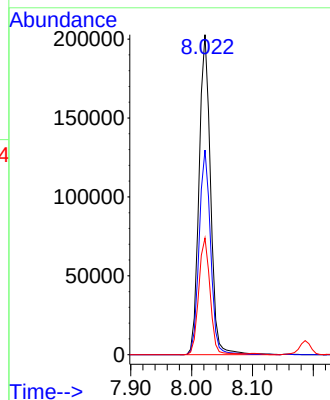
Tgt Ion:162 Resp: 265392

Ion Ratio Lower Upper

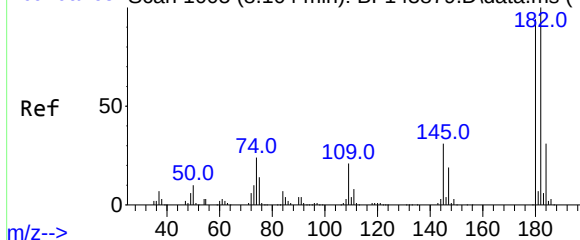
162 100

164 64.0 43.9 83.9

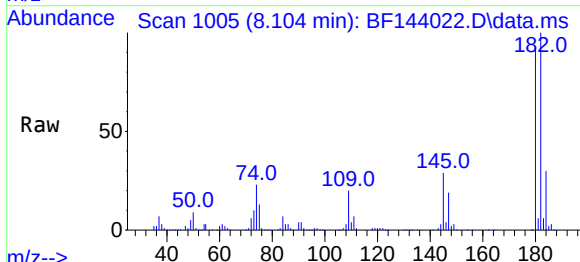
98 36.4 14.4 54.4



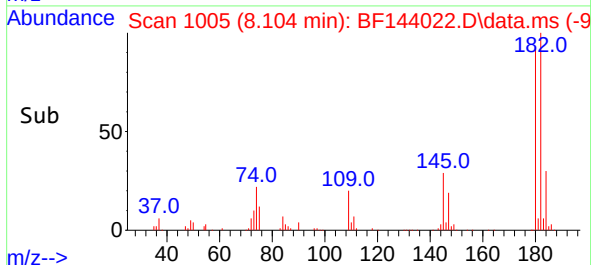
Abundance Scan 1005 (8.104 min): BF143879.D\data.ms (-9



m/z-->



m/z-->



m/z-->

#30

1,2,4-Trichlorobenzene

Concen: 50.88 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

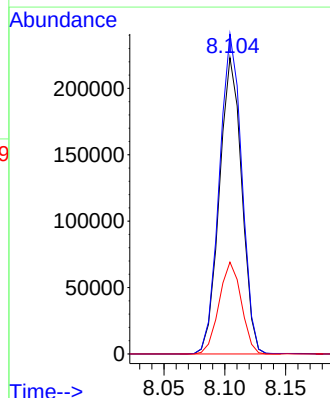
Tgt Ion:180 Resp: 285429

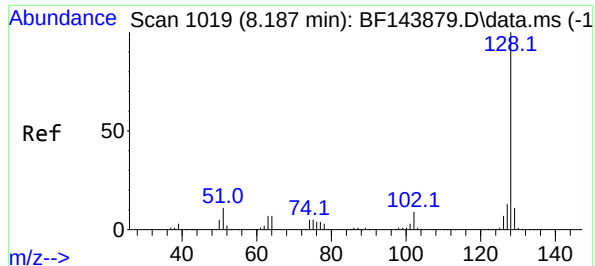
Ion Ratio Lower Upper

180 100

182 108.0 85.4 128.0

145 31.0 26.3 39.5





#31

Naphthalene

Concen: 47.85 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

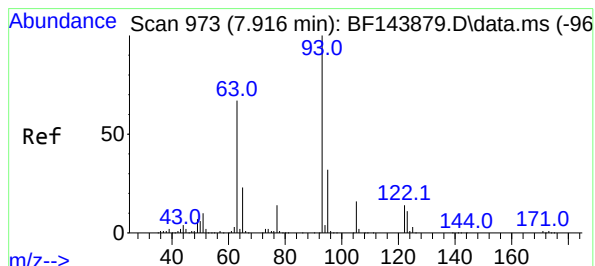
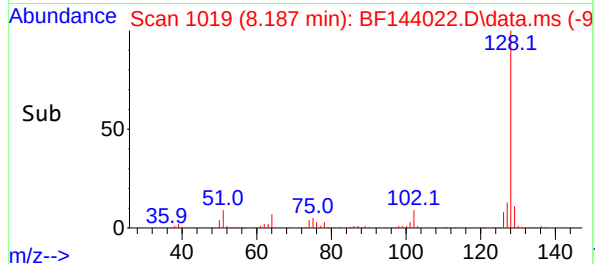
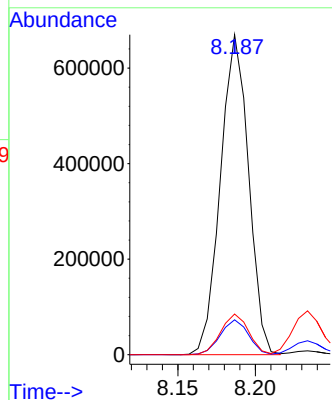
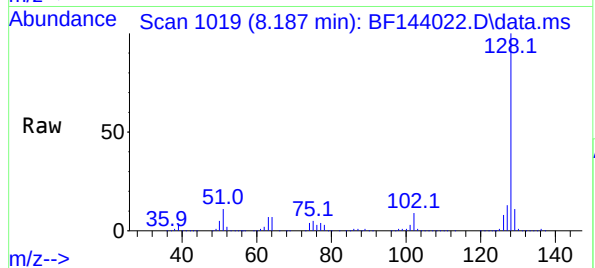
Tgt Ion:128 Resp: 845626

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 12.7 10.0 15.0



#32

Benzoic acid

Concen: 53.67 ng

RT: 7.928 min Scan# 975

Delta R.T. -0.035 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

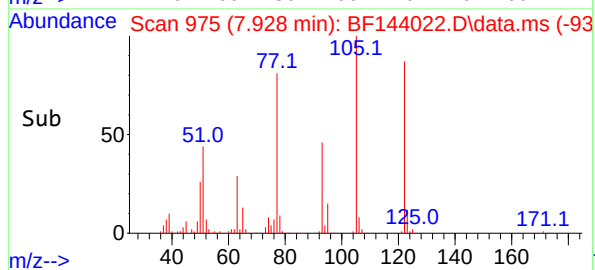
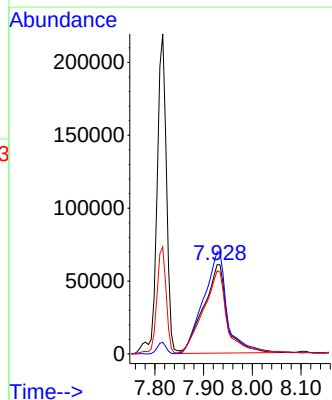
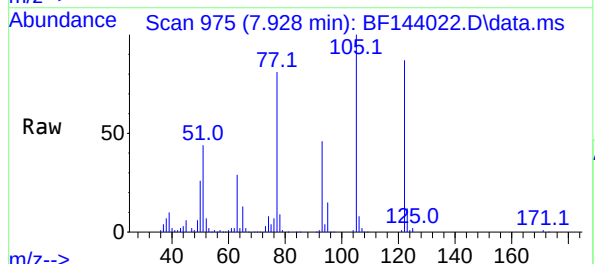
Tgt Ion:122 Resp: 203422

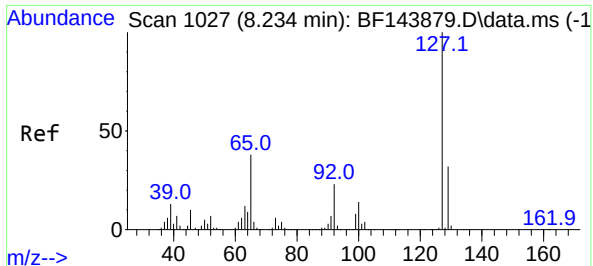
Ion Ratio Lower Upper

122 100

105 114.5 93.5 133.5

77 93.2 76.3 116.3





#33

4-Chloroaniline

Concen: 19.08 ng

RT: 8.234 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

Tgt Ion:127 Resp: 126445

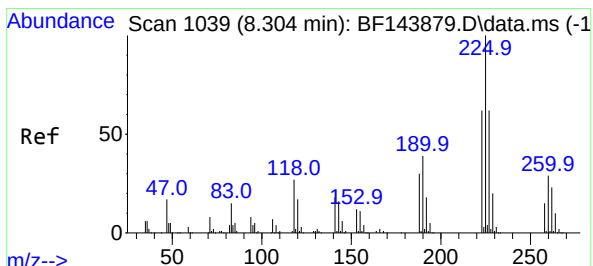
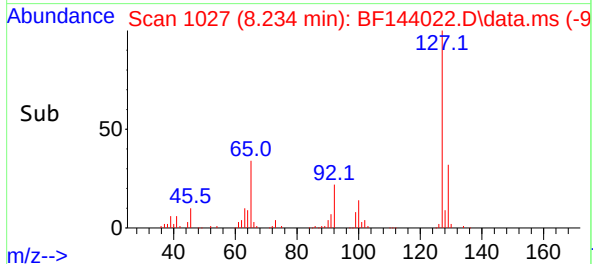
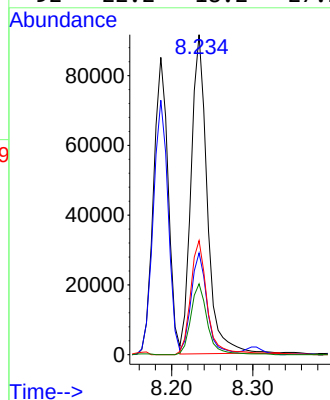
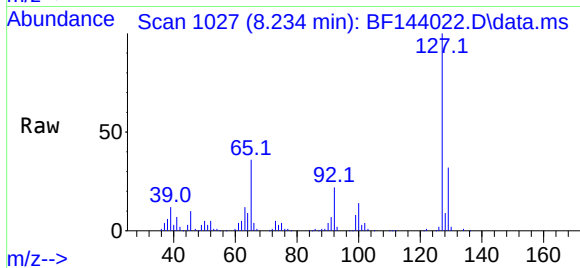
Ion Ratio Lower Upper

127 100

129 31.8 25.8 38.8

65 35.7 30.0 45.0

92 22.2 18.2 27.2



#34

Hexachlorobutadiene

Concen: 47.72 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

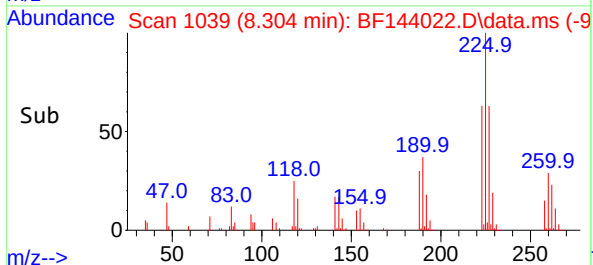
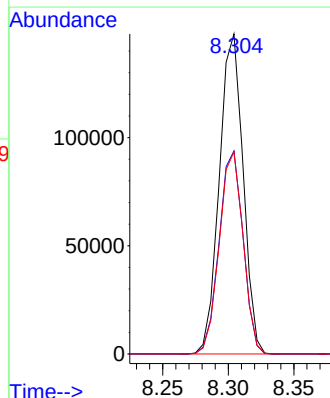
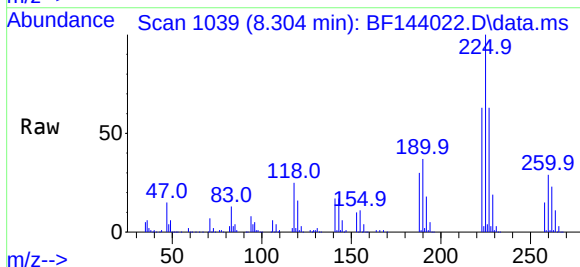
Tgt Ion:225 Resp: 186031

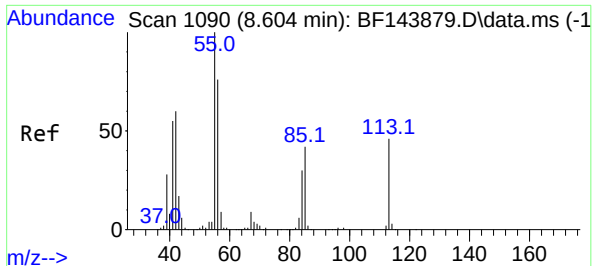
Ion Ratio Lower Upper

225 100

223 63.5 49.4 74.2

227 63.1 49.7 74.5

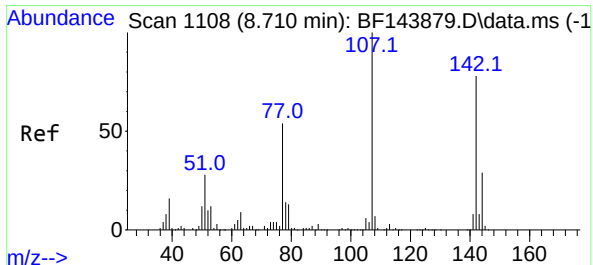
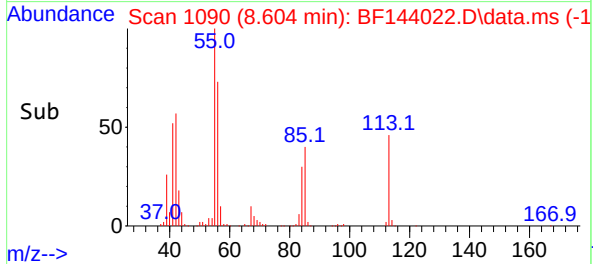
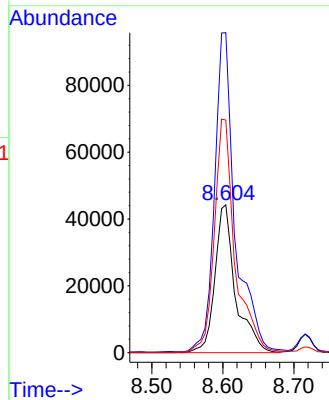
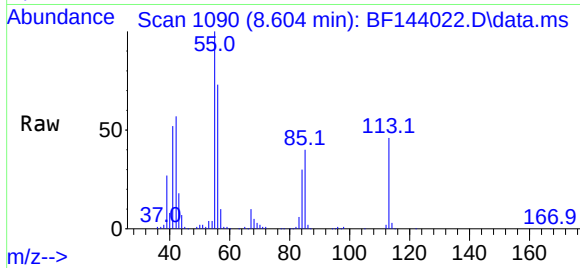




#35
Caprolactam
Concen: 49.20 ng
RT: 8.604 min Scan# 1109
Delta R.T. -0.041 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

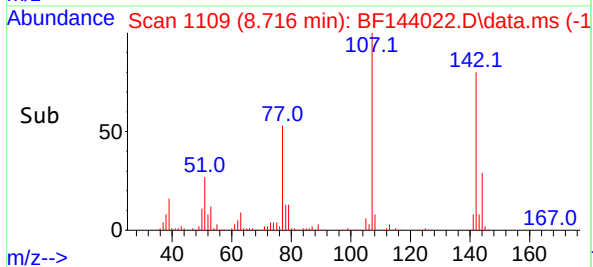
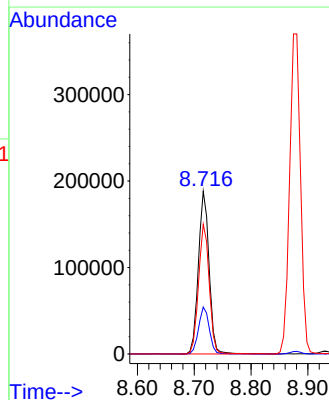
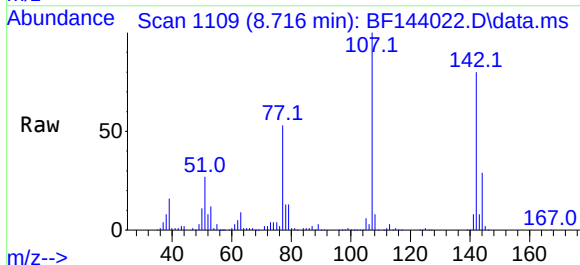
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

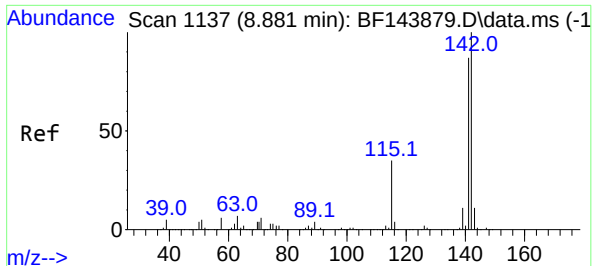
Tgt Ion	Ratio	Lower	Upper
113	100		
55	216.6	199.6	239.6
56	157.4	146.0	186.0



#36
4-Chloro-3-methylphenol
Concen: 45.33 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.1	34.7
142	79.7	62.6	94.0

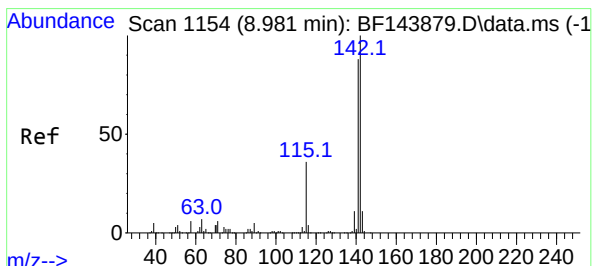
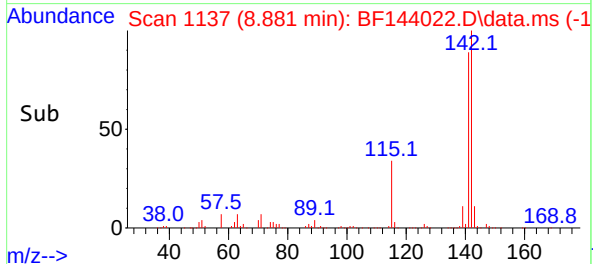
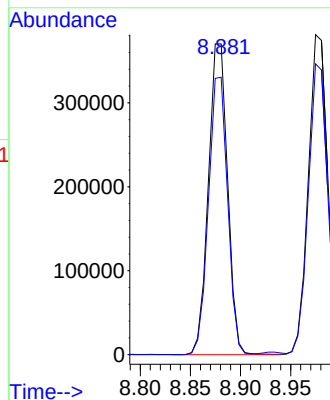
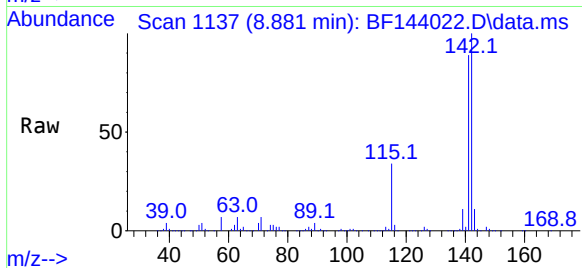




#37
2-Methylnaphthalene
Concen: 41.95 ng
RT: 8.881 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

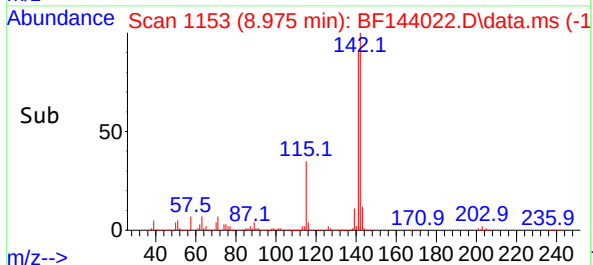
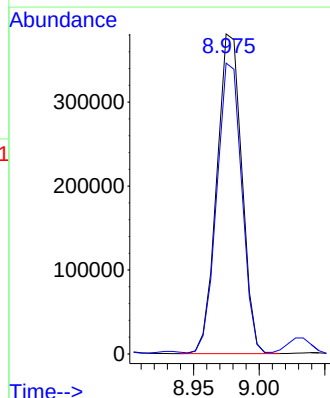
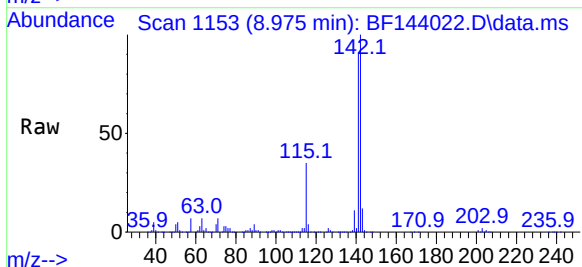
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

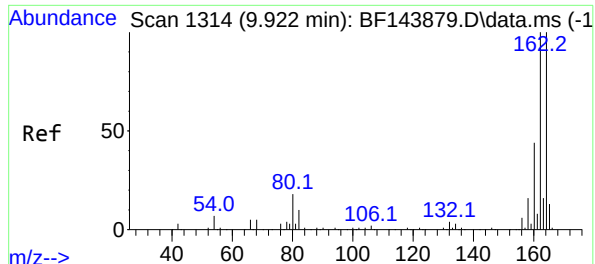
Tgt Ion:142 Resp: 493824
Ion Ratio Lower Upper
142 100
141 89.3 69.2 103.8



#38
1-Methylnaphthalene
Concen: 44.26 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:142 Resp: 505391
Ion Ratio Lower Upper
142 100
141 90.9 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

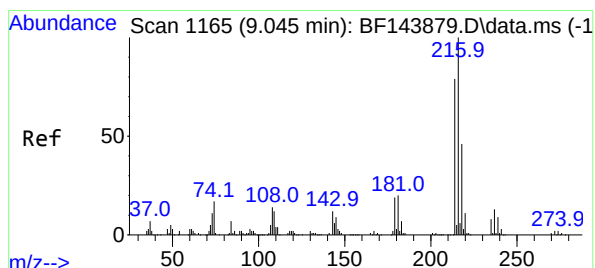
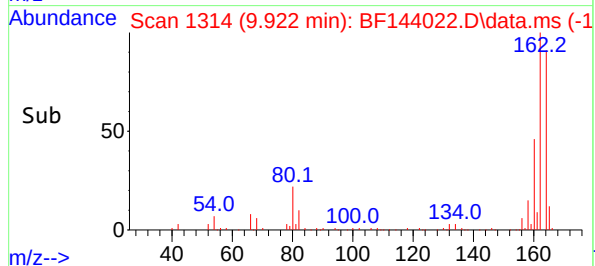
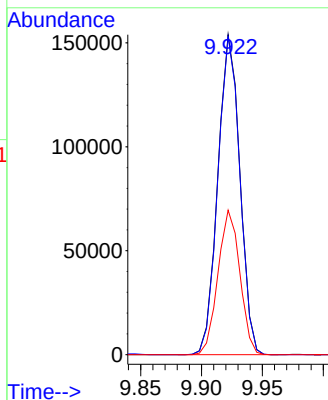
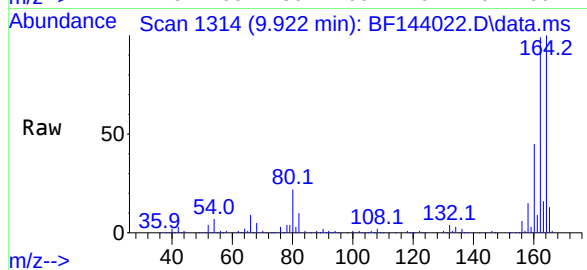
Tgt Ion:164 Resp: 194134

Ion Ratio Lower Upper

164 100

162 99.4 80.2 120.2

160 45.1 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 55.21 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion:216 Resp: 296244

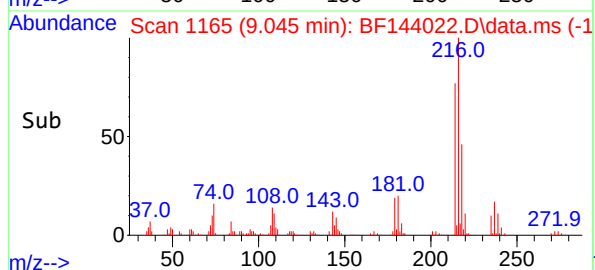
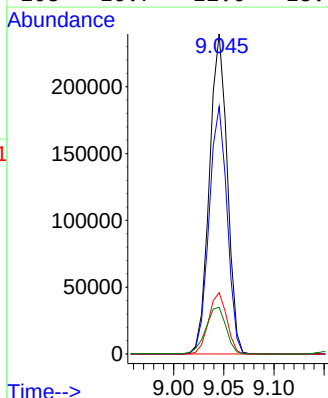
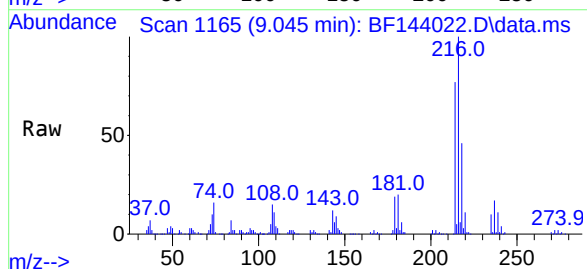
Ion Ratio Lower Upper

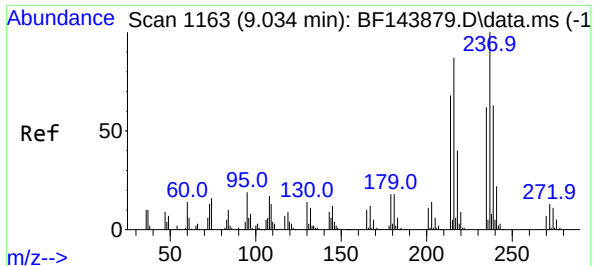
216 100

214 78.0 62.6 94.0

179 19.5 15.4 23.0

108 16.7 12.0 18.0





#41

Hexachlorocyclopentadiene

Concen: 102.41 ng

RT: 9.034 min Scan# 1163

Delta R.T. 0.000 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

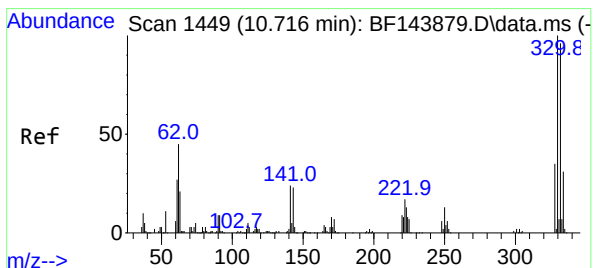
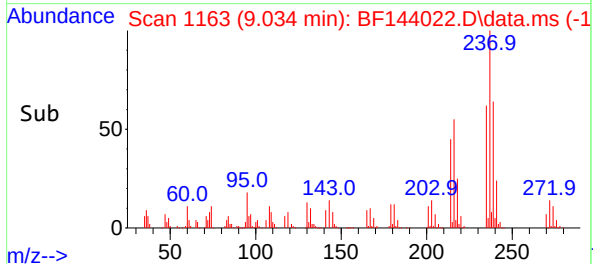
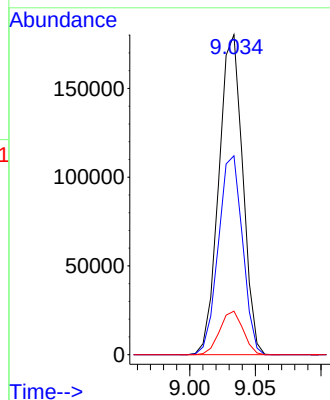
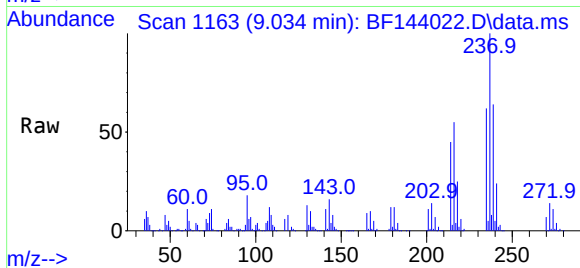
Tgt Ion:237 Resp: 227968

Ion Ratio Lower Upper

237 100

235 62.2 42.3 82.3

272 13.6 0.0 33.1



#42

2,4,6-Tribromophenol

Concen: 75.13 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

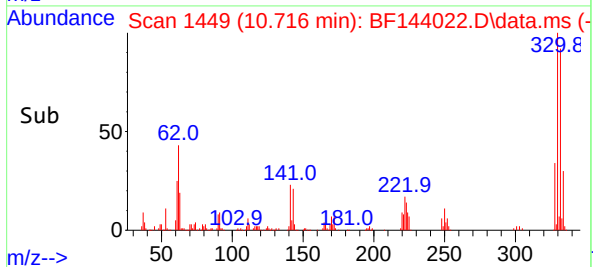
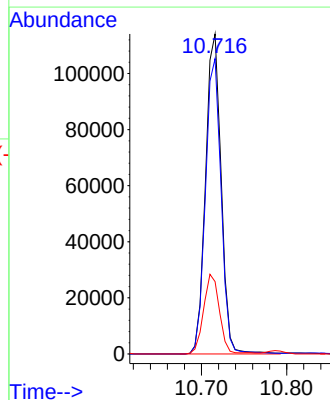
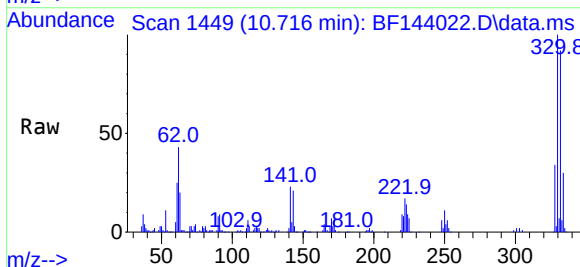
Tgt Ion:330 Resp: 145268

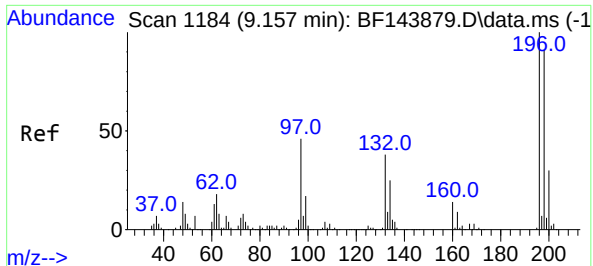
Ion Ratio Lower Upper

330 100

332 92.6 76.9 115.3

141 25.6 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 48.82 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

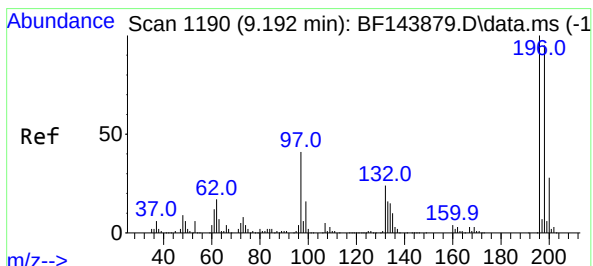
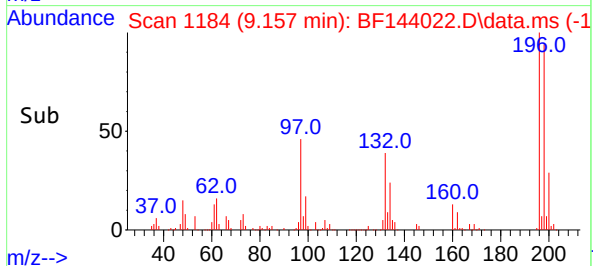
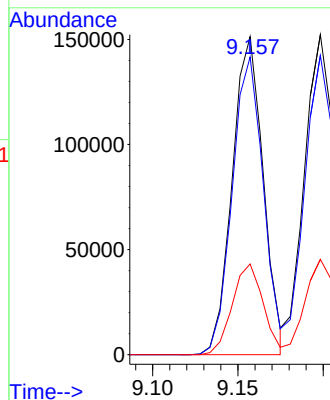
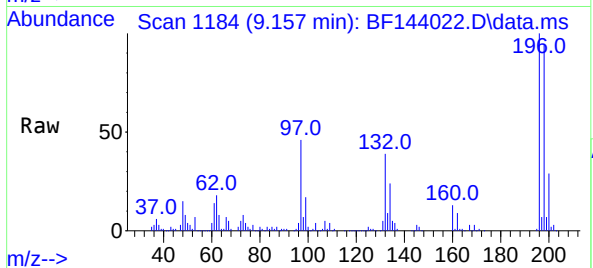
Tgt Ion:196 Resp: 191391

Ion Ratio Lower Upper

196 100

198 93.6 72.8 109.2

200 28.5 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 48.13 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion:196 Resp: 199399

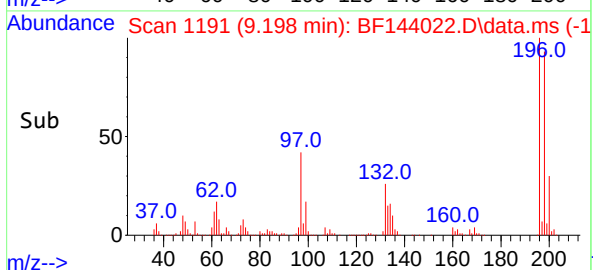
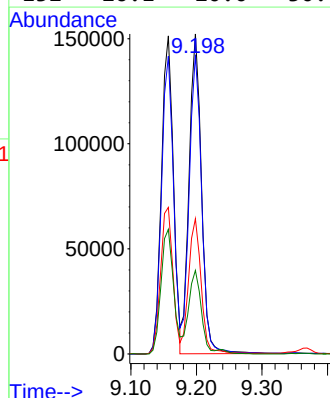
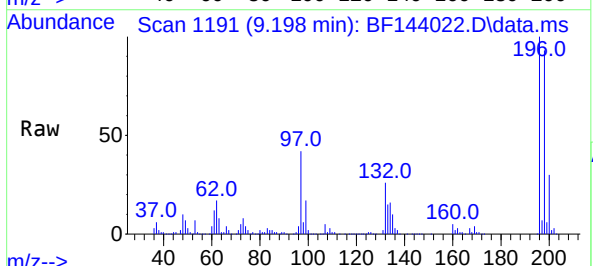
Ion Ratio Lower Upper

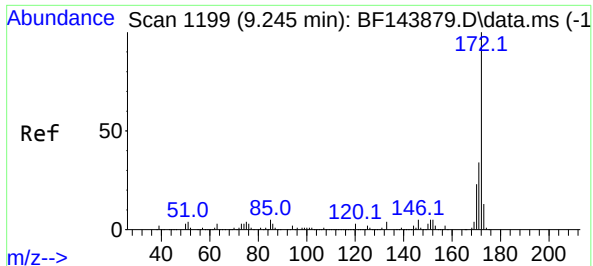
196 100

198 93.5 75.5 113.3

97 42.3 33.9 50.9

132 26.1 20.0 30.0





#45

2-Fluorobiphenyl

Concen: 43.72 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

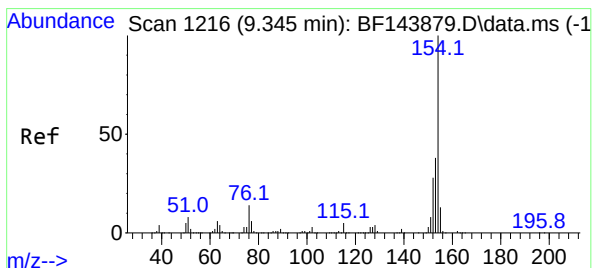
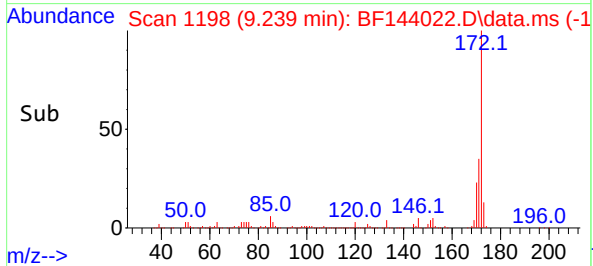
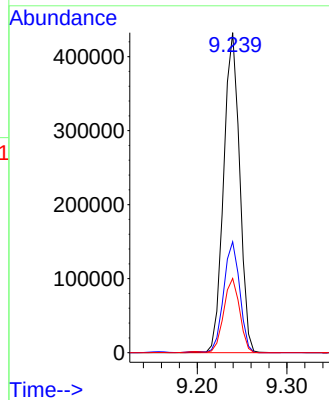
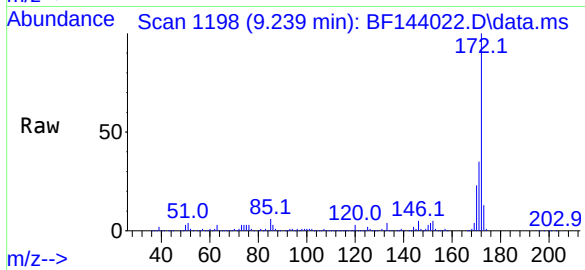
Tgt Ion:172 Resp: 534920

Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.0

170 23.2 18.6 28.0



#46

1,1'-Biphenyl

Concen: 54.44 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

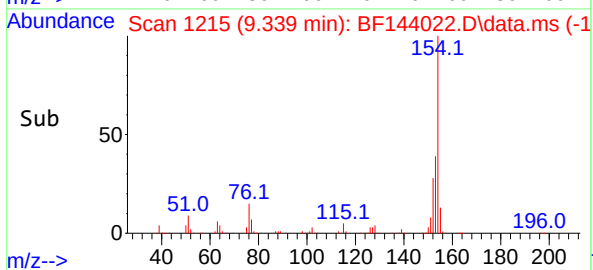
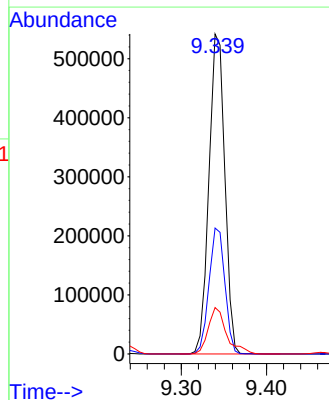
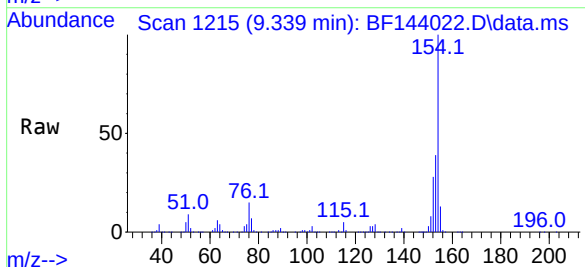
Tgt Ion:154 Resp: 699744

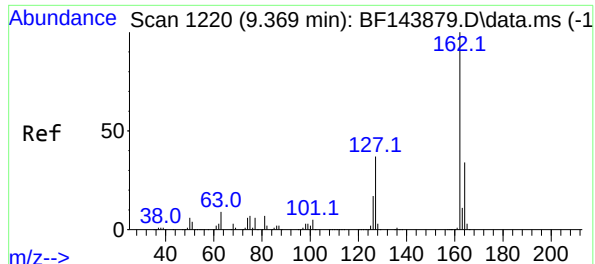
Ion Ratio Lower Upper

154 100

153 39.4 18.4 58.4

76 14.5 0.0 34.0





#47

2-Chloronaphthalene

Concen: 49.44 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

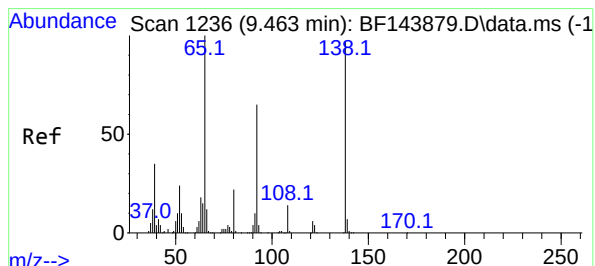
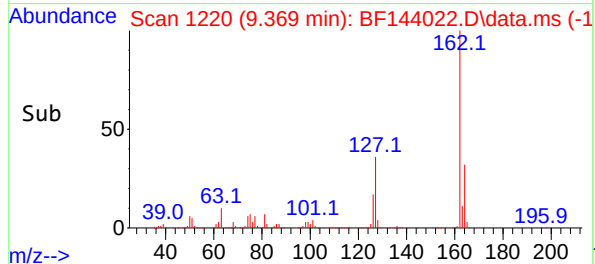
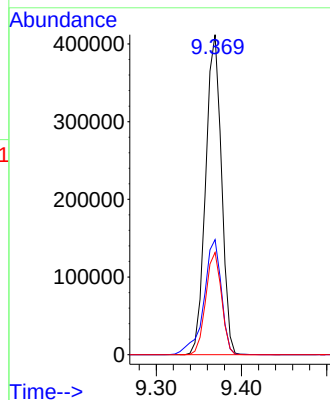
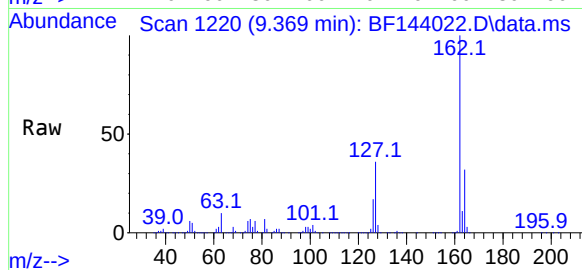
Tgt Ion:162 Resp: 529818

Ion Ratio Lower Upper

162 100

127 36.0 30.2 45.2

164 32.0 26.9 40.3



#48

2-Nitroaniline

Concen: 53.01 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

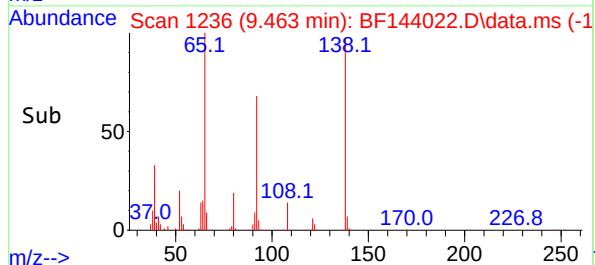
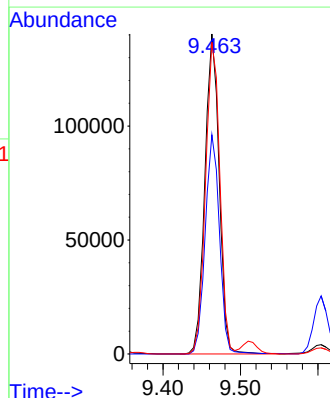
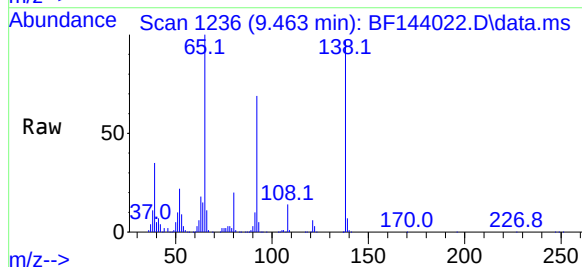
Tgt Ion: 65 Resp: 179609

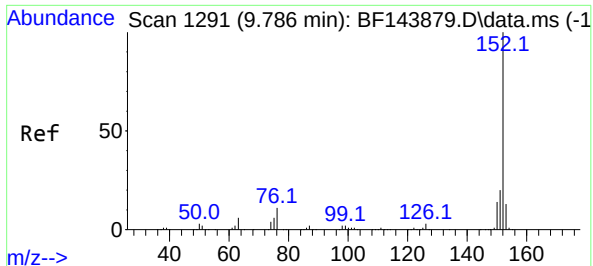
Ion Ratio Lower Upper

65 100

92 68.5 52.1 78.1

138 97.4 77.4 116.2





#49

Acenaphthylene

Concen: 54.68 ng

RT: 9.787 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

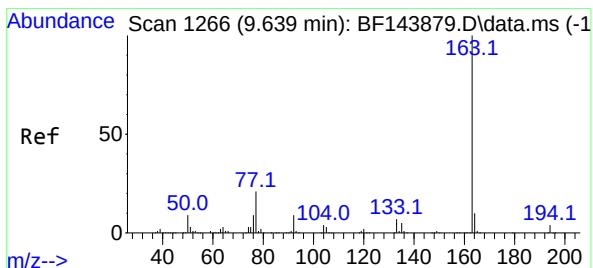
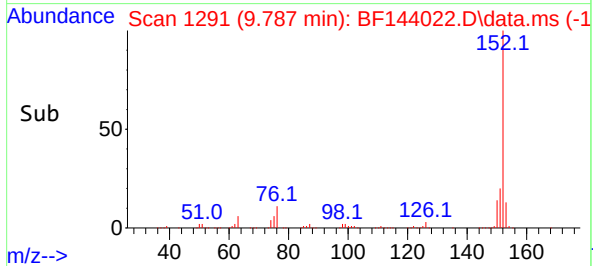
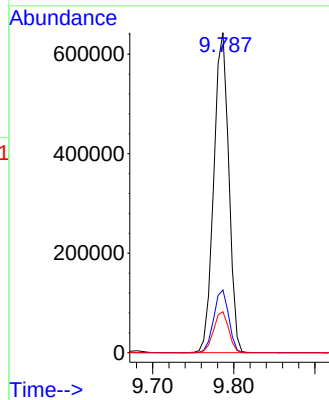
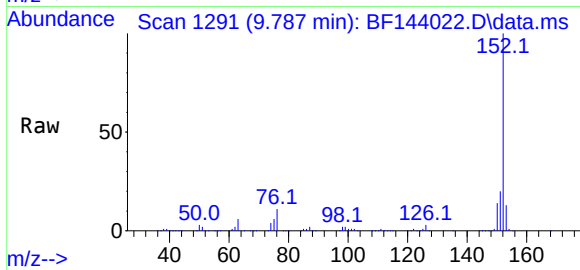
Tgt Ion:152 Resp: 823759

Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.6

153 12.8 10.5 15.7



#50

Dimethylphthalate

Concen: 49.64 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

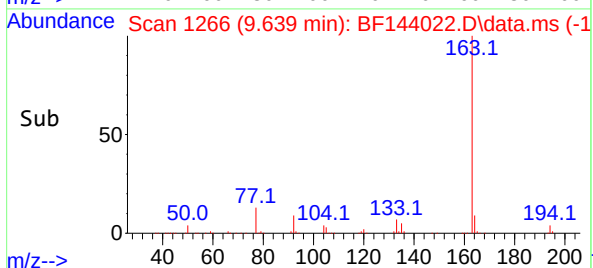
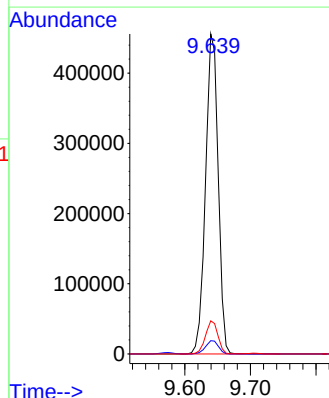
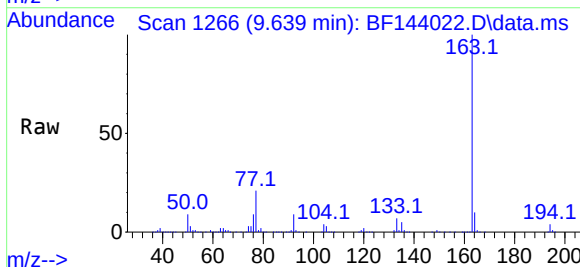
Tgt Ion:163 Resp: 611995

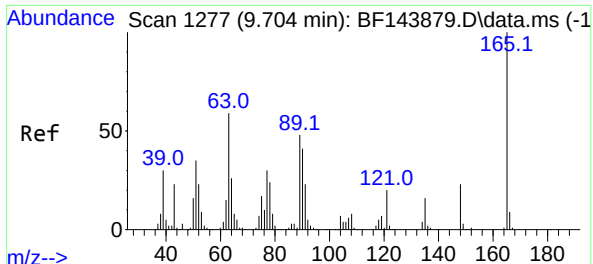
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.4 8.1 12.1

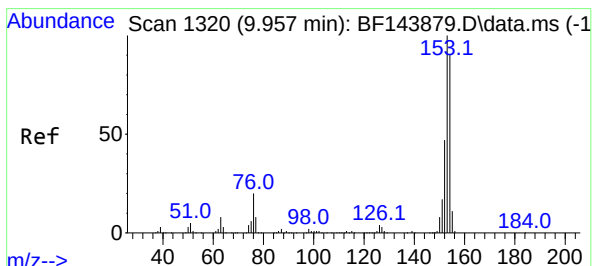
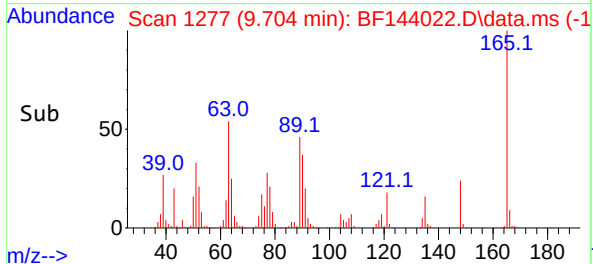
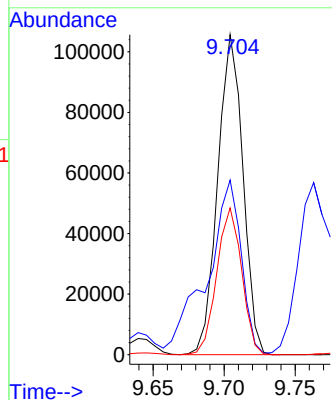
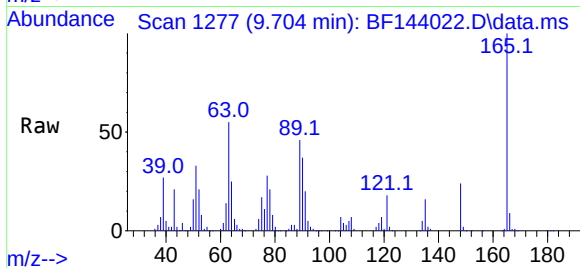




#51
2,6-Dinitrotoluene
Concen: 57.05 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

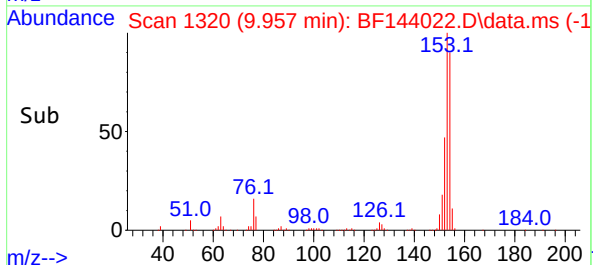
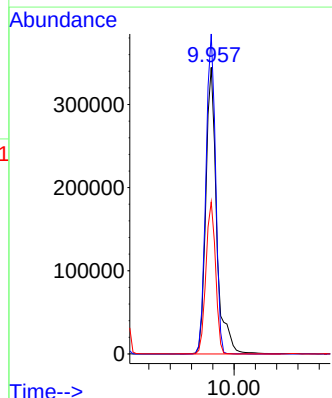
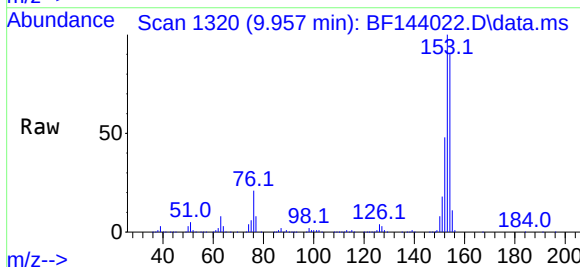
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

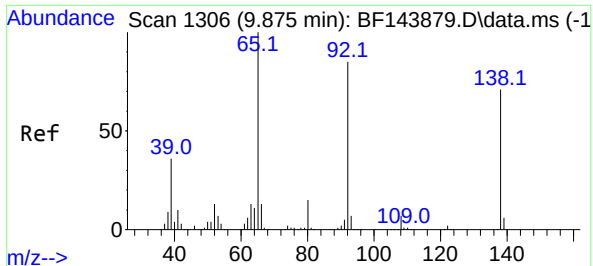
Tgt Ion:165 Resp: 130428
Ion Ratio Lower Upper
165 100
63 54.6 47.3 70.9
89 45.8 38.2 57.4



#52
Acenaphthene
Concen: 49.30 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:154 Resp: 486738
Ion Ratio Lower Upper
154 100
153 111.7 89.3 133.9
152 53.1 42.2 63.2





#53

3-Nitroaniline

Concen: 34.84 ng

RT: 9.875 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

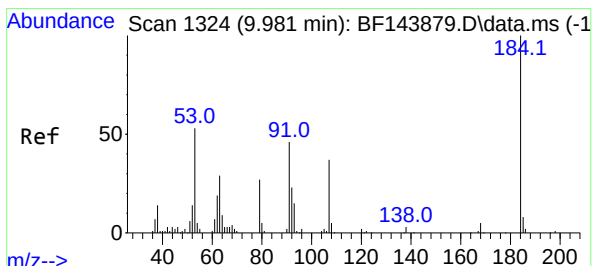
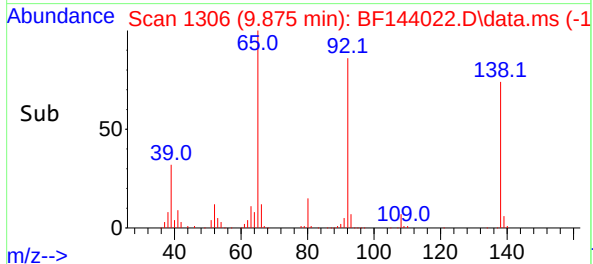
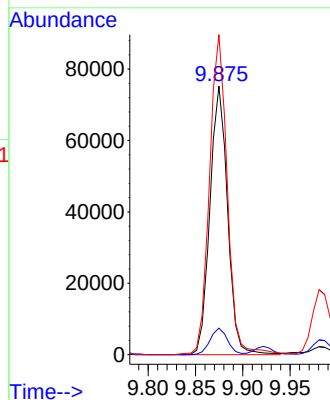
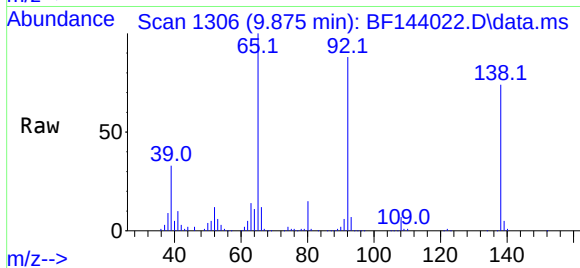
Tgt Ion:138 Resp: 97528

Ion Ratio Lower Upper

138 100

108 9.9 8.3 12.5

92 119.1 96.2 144.2



#54

2,4-Dinitrophenol

Concen: 77.95 ng

RT: 9.981 min Scan# 1324

Delta R.T. -0.005 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

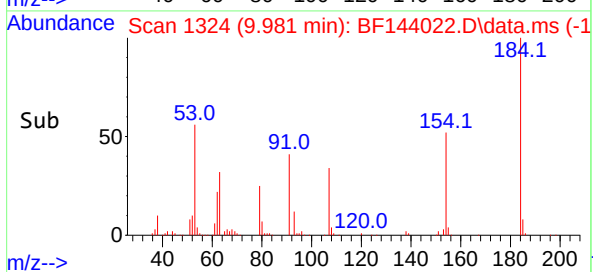
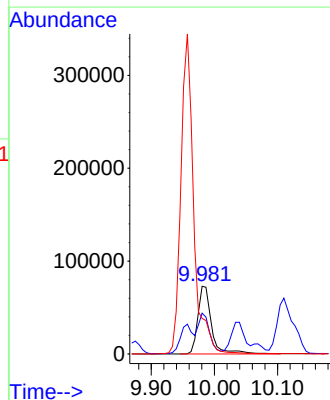
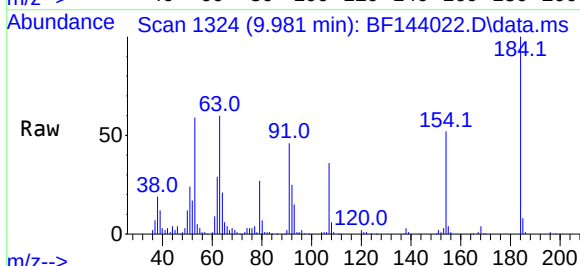
Tgt Ion:184 Resp: 109640

Ion Ratio Lower Upper

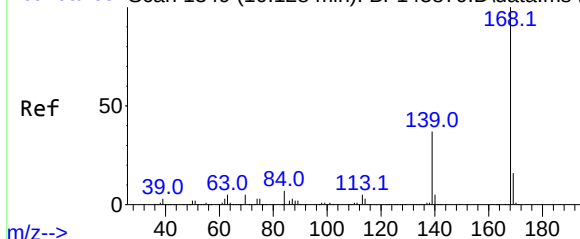
184 100

63 60.2 48.2 72.4

154 52.4 49.2 73.8



Abundance Scan 1349 (10.128 min): BF143879.D\data.ms (-



#55

Dibenzenofuran

Concen: 47.17 ng

RT: 10.128 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

Tgt Ion:168 Resp: 657401

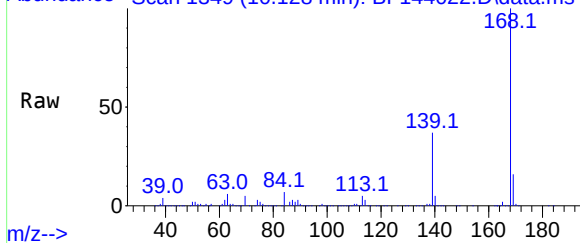
Ion Ratio Lower Upper

168 100

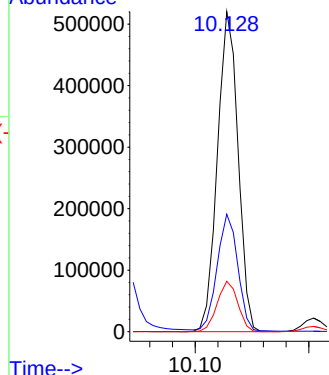
139 36.7 29.8 44.8

169 15.8 12.8 19.2

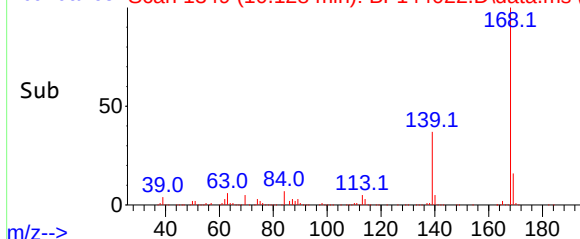
Abundance Scan 1349 (10.128 min): BF144022.D\data.ms



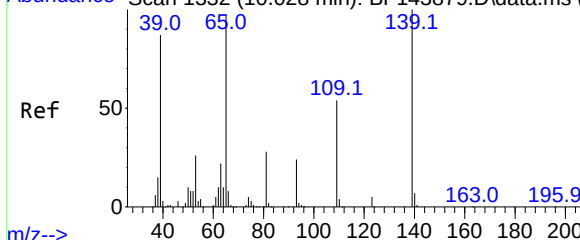
Abundance



Abundance Scan 1349 (10.128 min): BF144022.D\data.ms (-



Abundance Scan 1332 (10.028 min): BF143879.D\data.ms (-



#56

4-Nitrophenol

Concen: 82.91 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.000 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion:139 Resp: 175713

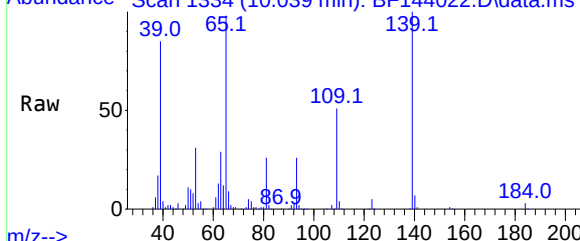
Ion Ratio Lower Upper

139 100

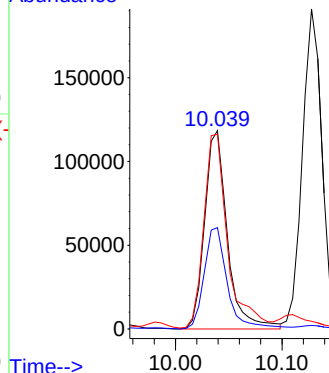
109 51.0 34.5 74.5

65 98.1 77.6 117.6

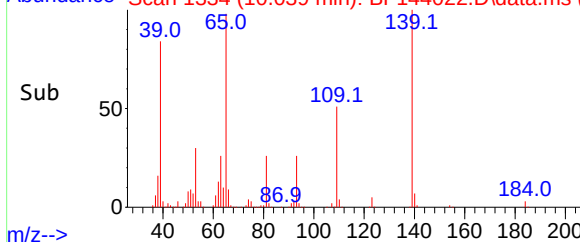
Abundance Scan 1334 (10.039 min): BF144022.D\data.ms

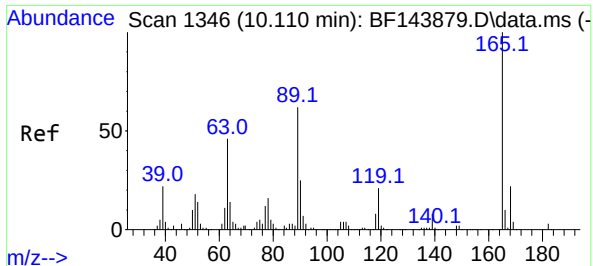


Abundance



Abundance Scan 1334 (10.039 min): BF144022.D\data.ms (-

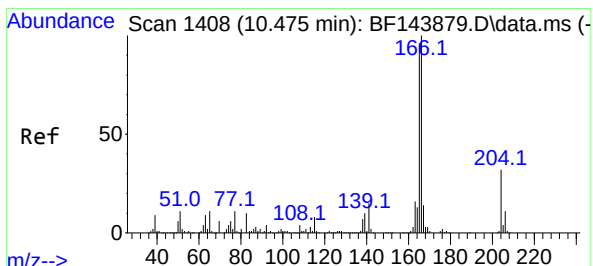
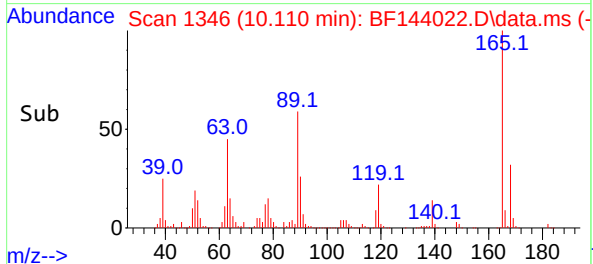
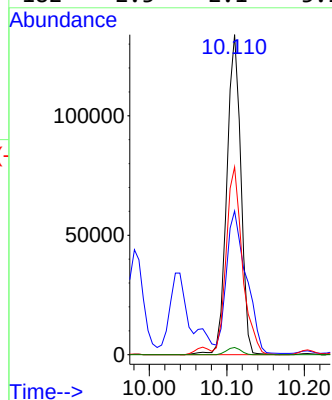
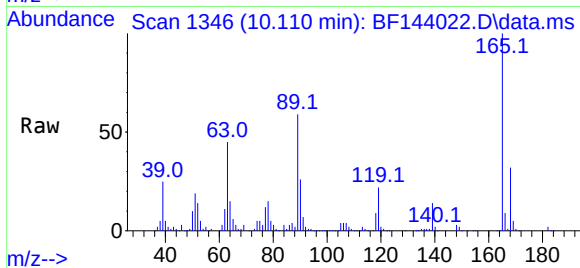




#57
2,4-Dinitrotoluene
Concen: 54.15 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

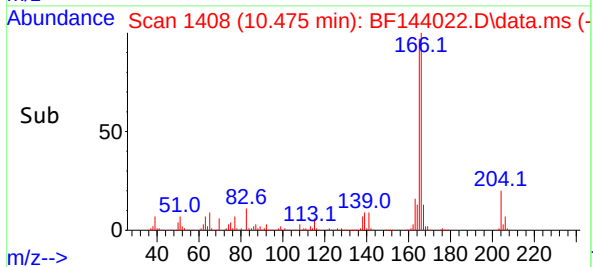
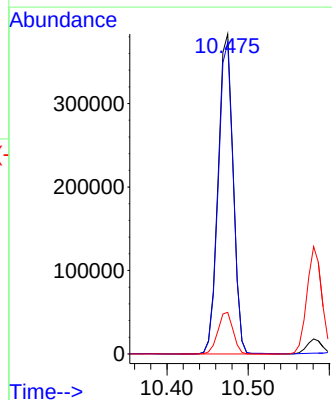
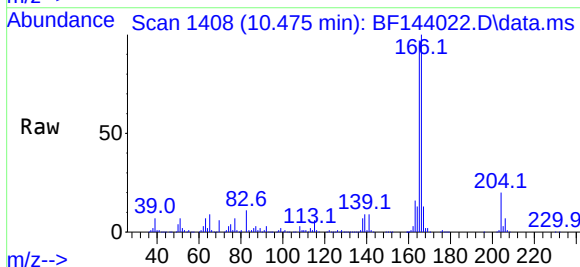
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

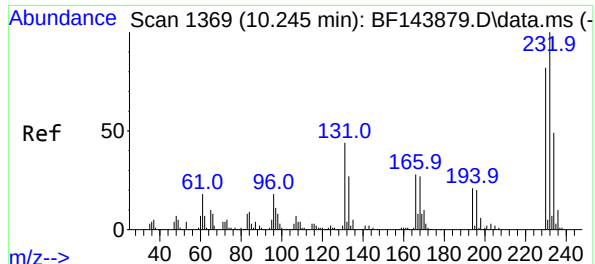
Tgt Ion:165 Resp: 168424
Ion Ratio Lower Upper
165 100
63 44.9 37.2 55.8
89 58.7 49.4 74.2
182 2.3 2.1 3.1



#58
Fluorene
Concen: 47.12 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:166 Resp: 495457
Ion Ratio Lower Upper
166 100
165 97.3 77.0 115.6
167 13.0 11.1 16.7

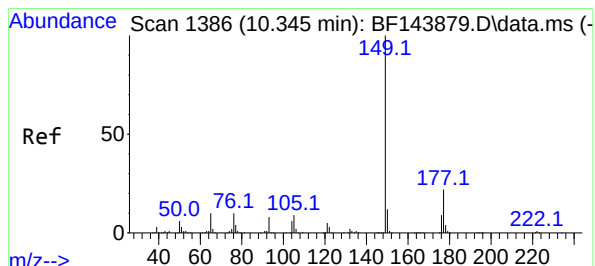
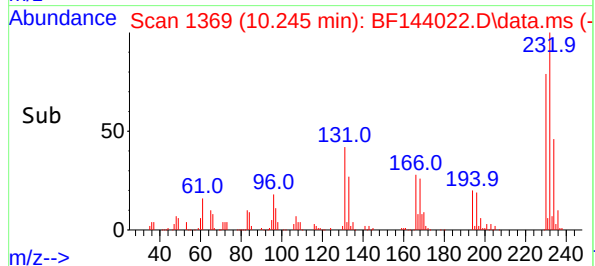
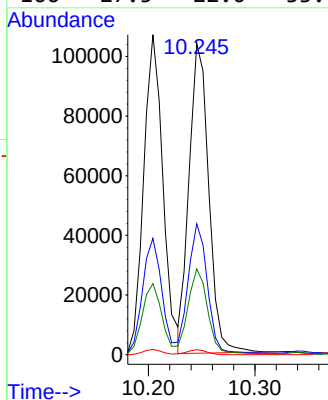
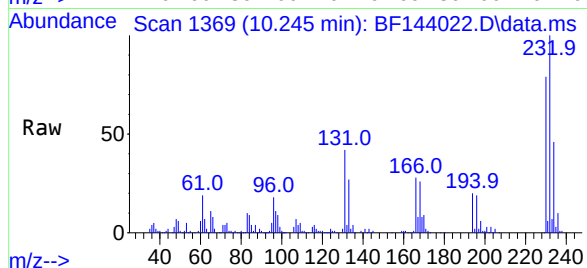




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.57 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

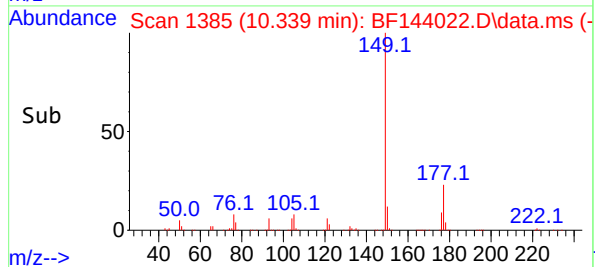
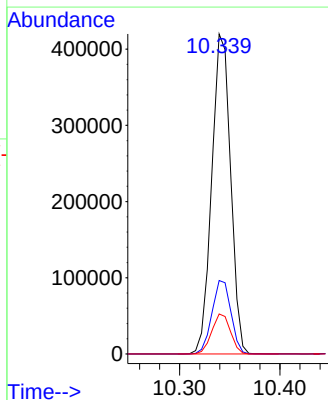
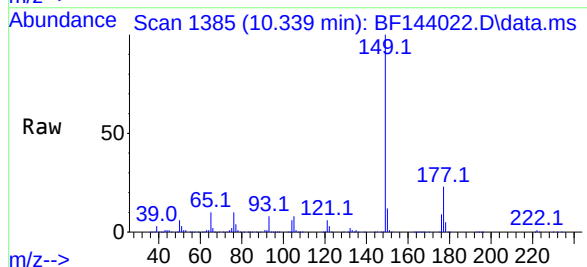
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:232 Resp: 133635
Ion Ratio Lower Upper
232 100
131 42.5 34.9 52.3
130 1.6 1.6 2.4
166 27.5 22.0 33.0

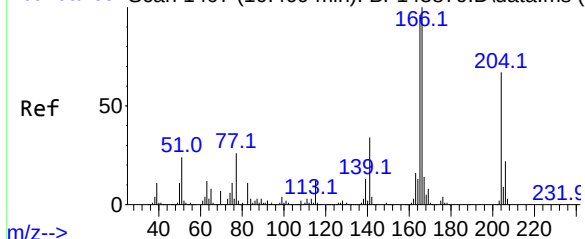


#60
Diethylphthalate
Concen: 47.77 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:149 Resp: 547114
Ion Ratio Lower Upper
149 100
177 23.0 17.9 26.9
150 12.5 9.8 14.8



Abundance Scan 1407 (10.469 min): BF143879.D\data.ms (-

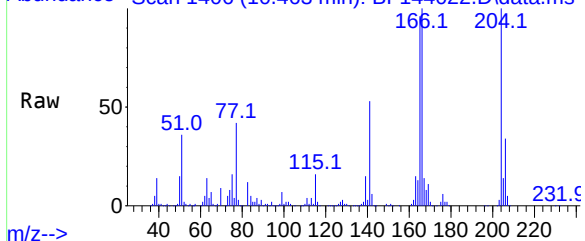


#61
4-Chlorophenyl-phenylether
Concen: 45.78 ng
RT: 10.463 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

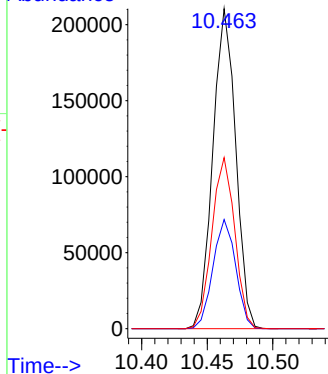
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.1	26.6	40.0
141	53.4	40.4	60.6

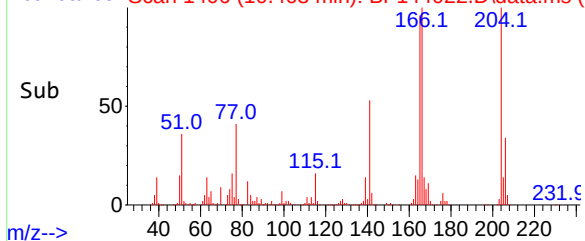
Abundance Scan 1406 (10.463 min): BF144022.D\data.ms (-



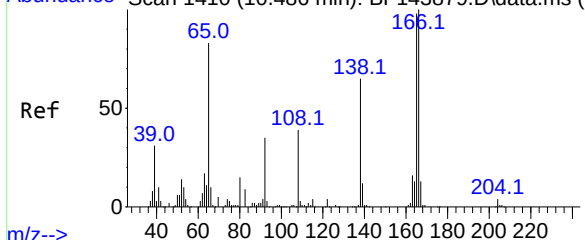
Abundance



Abundance Scan 1406 (10.463 min): BF144022.D\data.ms (-



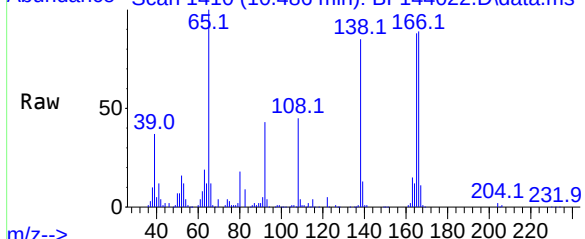
Abundance Scan 1410 (10.486 min): BF143879.D\data.ms (-



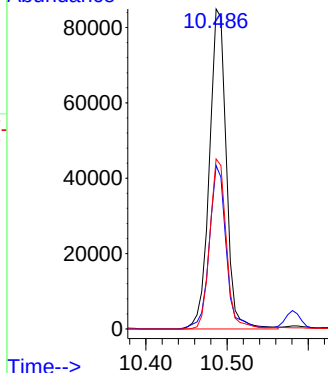
#62
4-Nitroaniline
Concen: 45.68 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.0	33.9	73.9
108	53.2	40.2	80.2

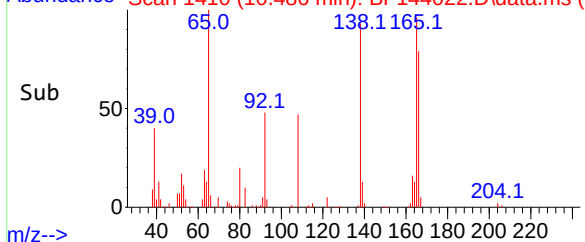
Abundance Scan 1410 (10.486 min): BF144022.D\data.ms (-



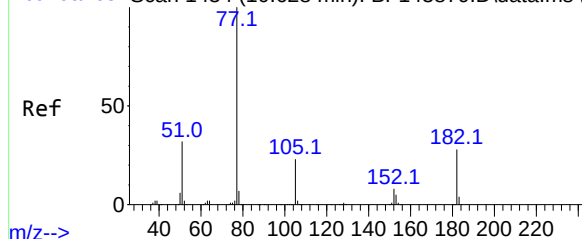
Abundance



Abundance Scan 1410 (10.486 min): BF144022.D\data.ms (-



Abundance Scan 1434 (10.628 min): BF143879.D\data.ms (-



#63

Azobenzene

Concen: 51.44 ng

RT: 10.622 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

Tgt Ion: 77 Resp: 615682

Ion Ratio Lower Upper

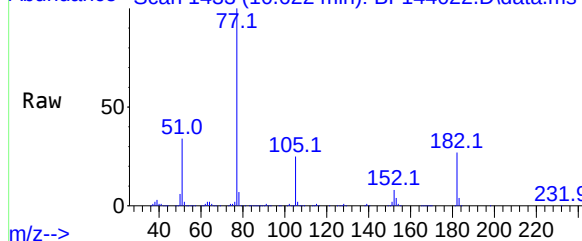
77 100

182 26.6 7.3 47.3

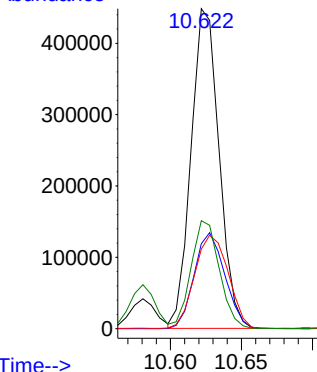
105 24.8 3.0 43.0

51 33.8 13.5 53.5

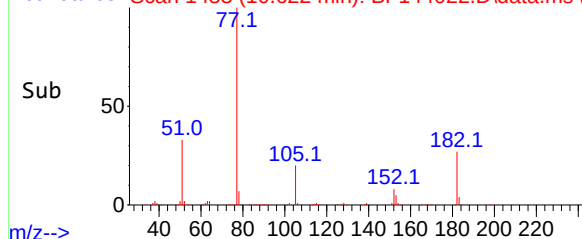
Abundance Scan 1433 (10.622 min): BF144022.D\data.ms



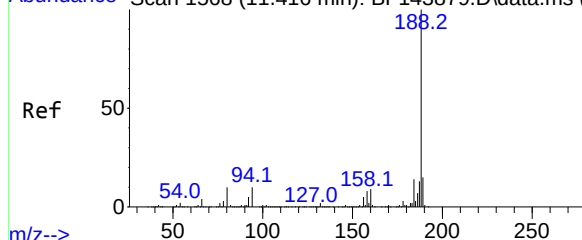
Abundance



Abundance Scan 1433 (10.622 min): BF144022.D\data.ms (-



Abundance Scan 1568 (11.416 min): BF143879.D\data.ms (-



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion: 188 Resp: 286809

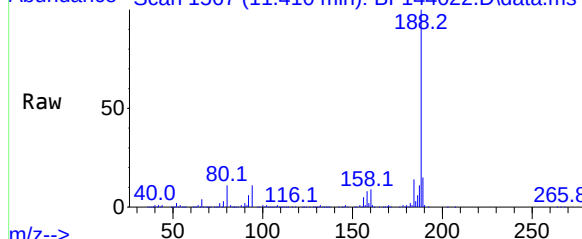
Ion Ratio Lower Upper

188 100

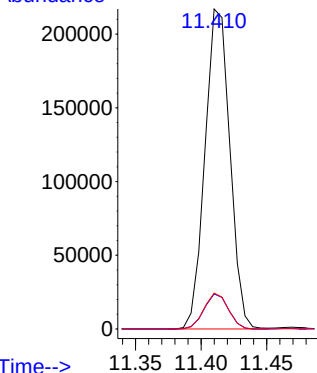
94 10.9 7.8 11.6

80 11.2 7.9 11.9

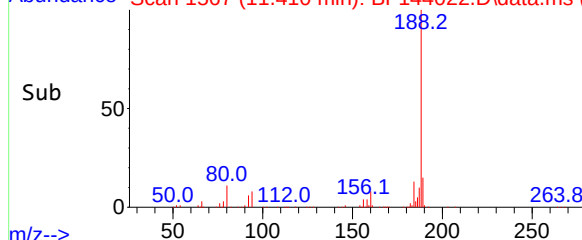
Abundance Scan 1567 (11.410 min): BF144022.D\data.ms

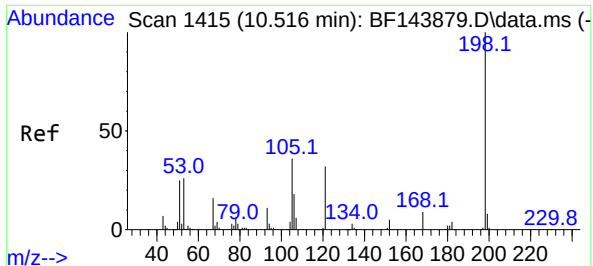


Abundance



Abundance Scan 1567 (11.410 min): BF144022.D\data.ms (-

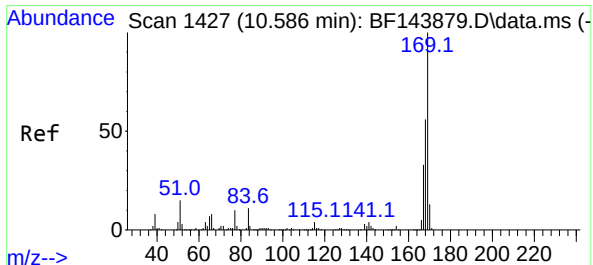
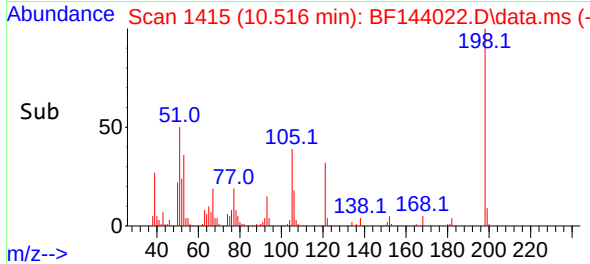
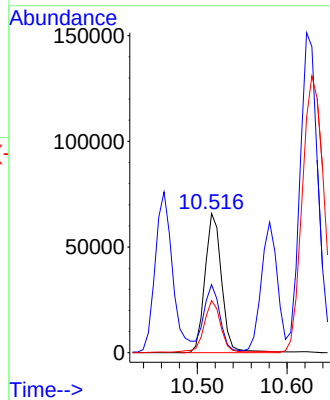
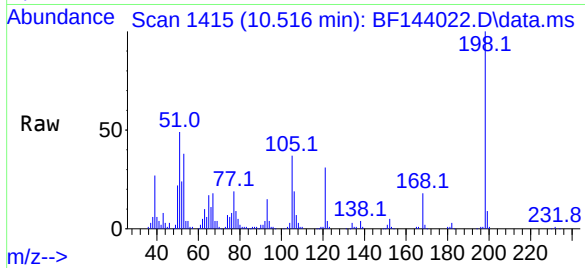




#65
4,6-Dinitro-2-methylphenol
Concen: 59.00 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.017 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

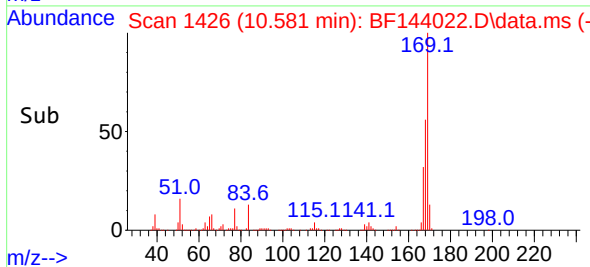
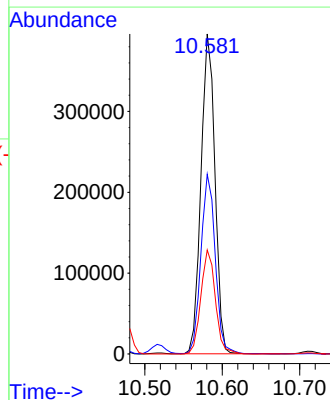
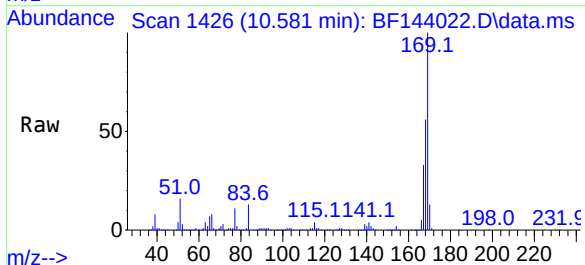
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

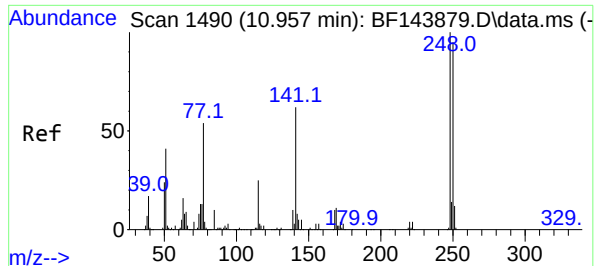
Tgt Ion	Ratio	Lower	Upper
198	100		
51	48.8	33.8	73.8
105	37.4	17.0	57.0



#66
n-Nitrosodiphenylamine
Concen: 54.99 ng
RT: 10.581 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion	Ratio	Lower	Upper
169	100		
168	56.2	44.9	67.3
167	32.5	26.3	39.5

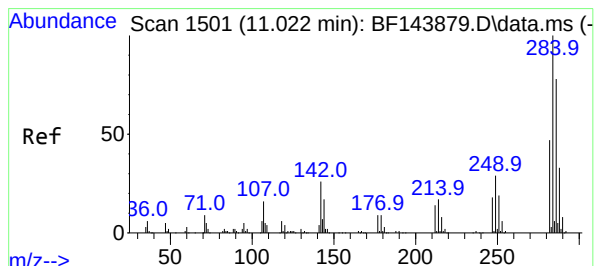
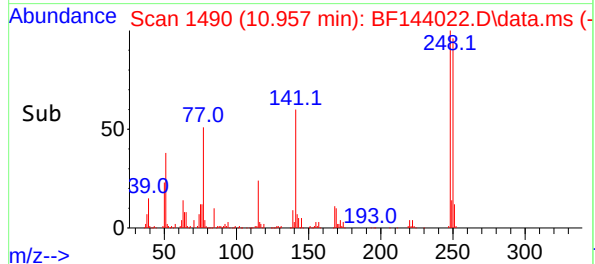
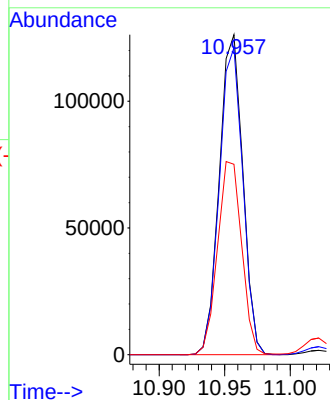
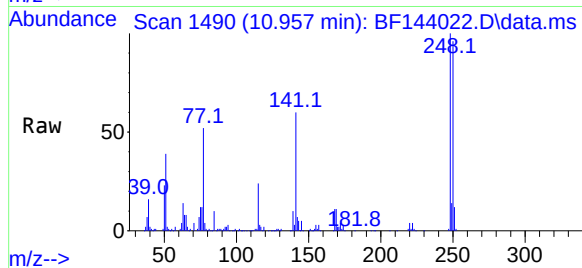




#67
4-Bromophenyl-phenylether
Concen: 49.65 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

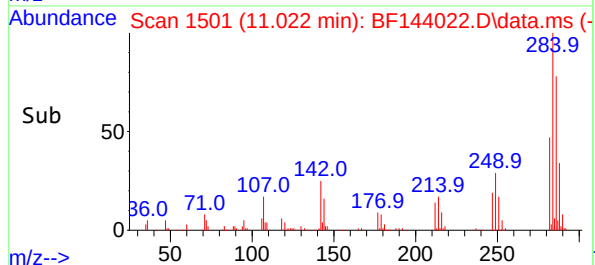
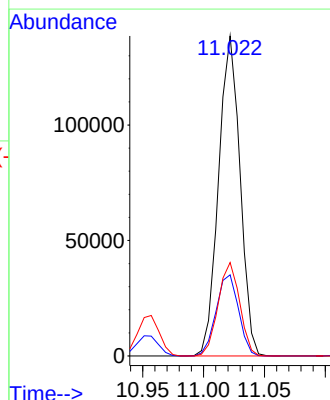
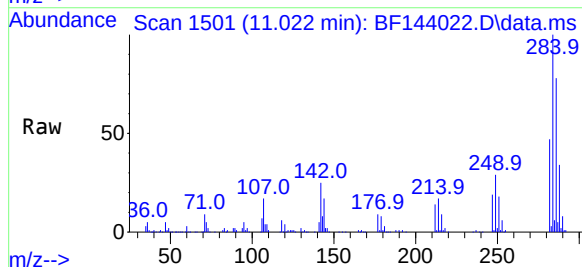
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:248 Resp: 157374
Ion Ratio Lower Upper
248 100
250 96.0 76.3 114.5
141 59.5 49.7 74.5



#68
Hexachlorobenzene
Concen: 46.44 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:284 Resp: 170411
Ion Ratio Lower Upper
284 100
142 25.3 20.6 30.8
249 29.2 23.2 34.8



Abundance Scan 1516 (11.110 min): BF143879.D\data.ms (-

#69

Atrazine

Concen: 54.30 ng

RT: 11.110 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144022.D

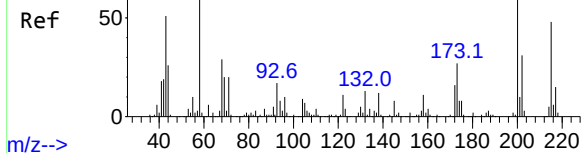
Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD



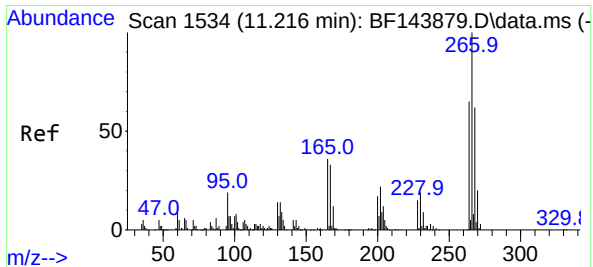
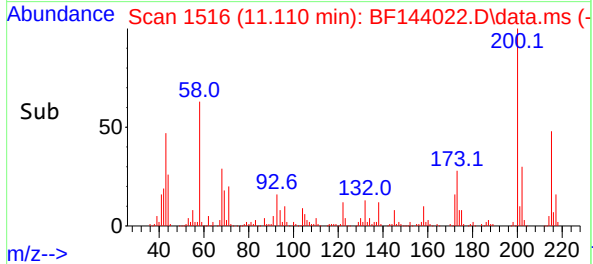
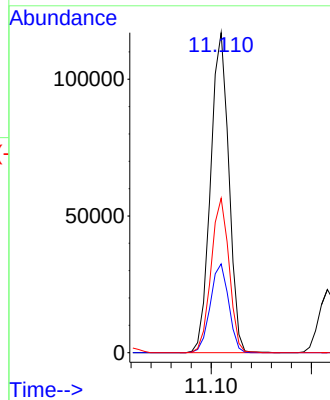
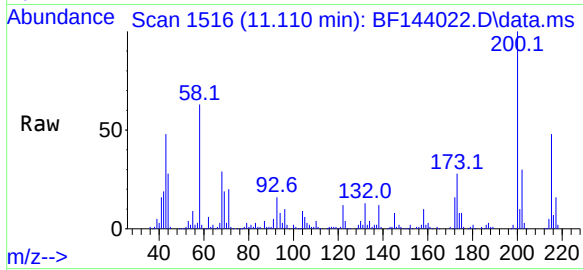
Tgt Ion:200 Resp: 148200

Ion Ratio Lower Upper

200 100

173 27.8 7.0 47.0

215 48.2 27.8 67.8



#70

Pentachlorophenol

Concen: 87.07 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

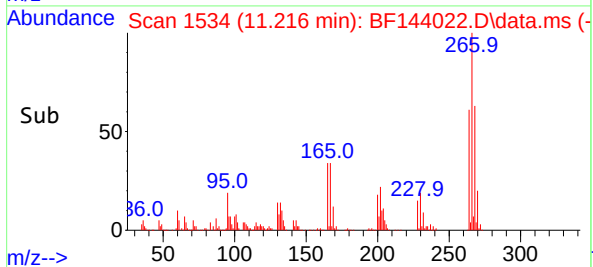
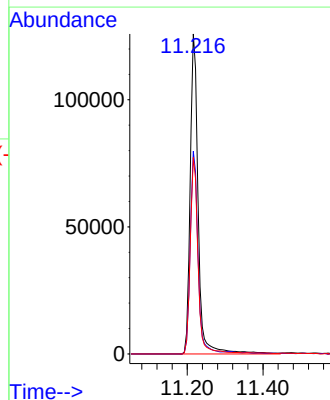
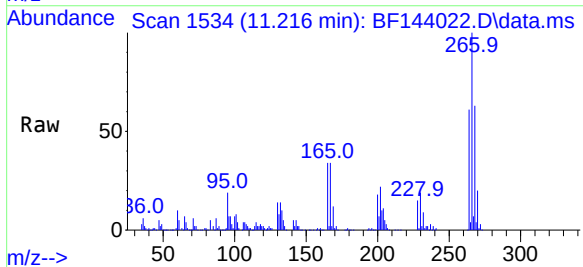
Tgt Ion:266 Resp: 183498

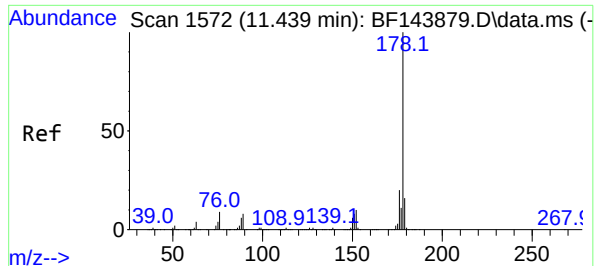
Ion Ratio Lower Upper

266 100

268 63.4 49.4 74.0

264 61.4 51.8 77.6

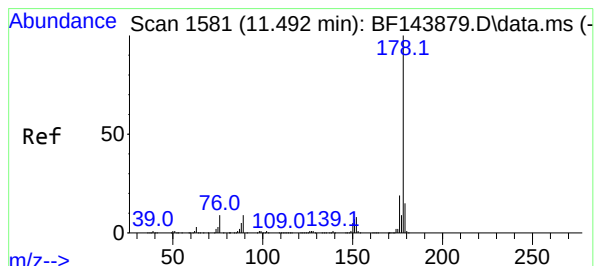
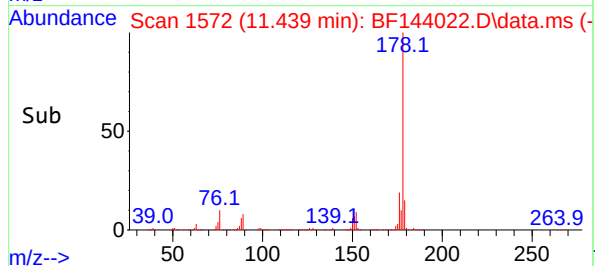
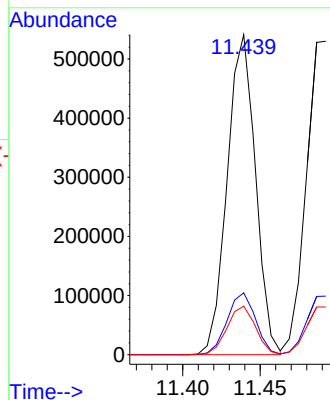
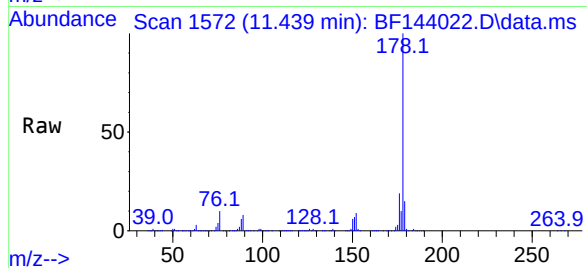




#71
Phenanthrene
Concen: 49.33 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

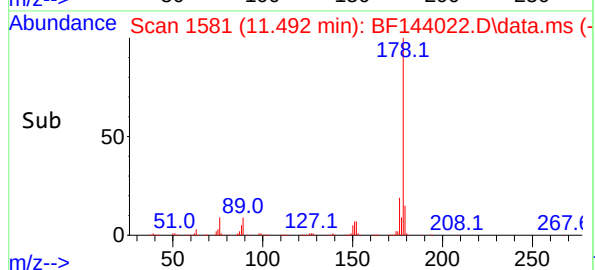
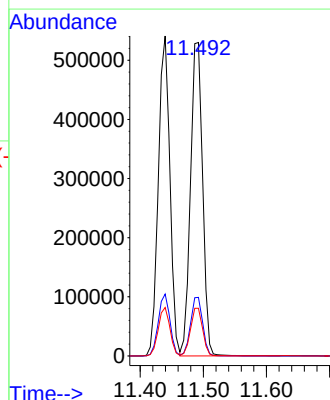
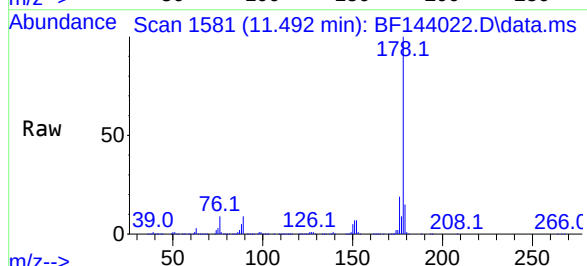
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

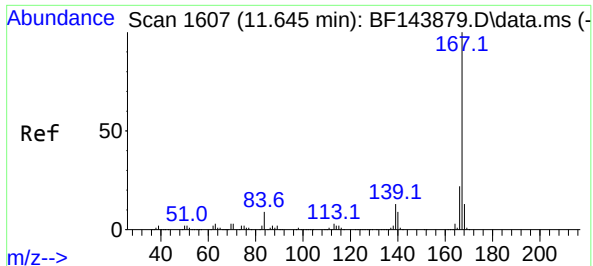
Tgt Ion:178 Resp: 685938
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.2 12.4 18.6



#72
Anthracene
Concen: 50.31 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:178 Resp: 706739
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.2 12.2 18.2

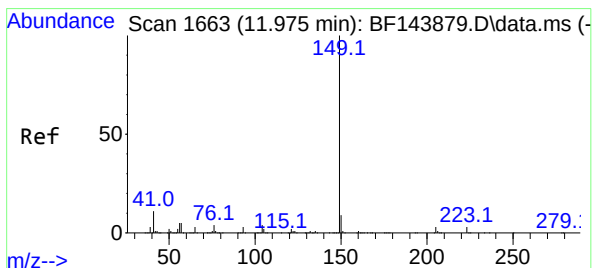
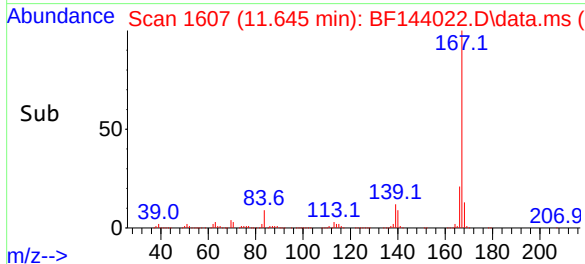
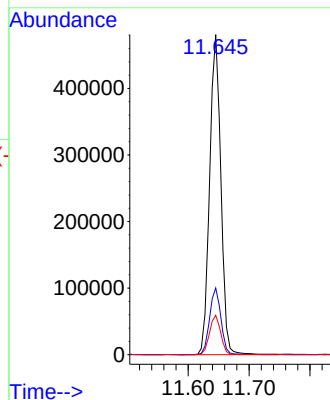
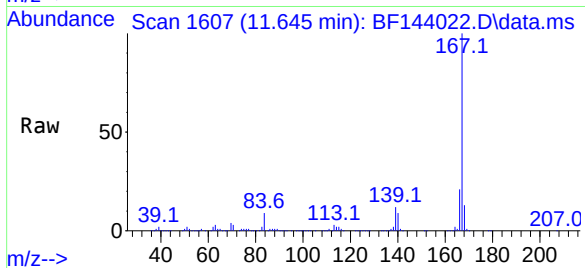




#73
Carbazole
Concen: 49.50 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

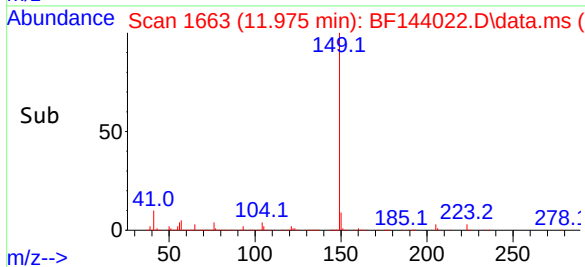
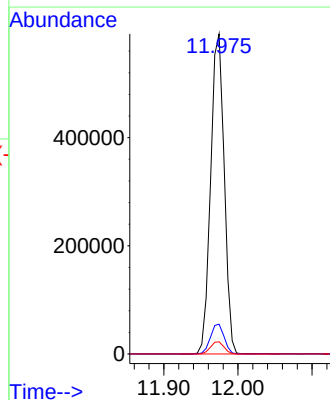
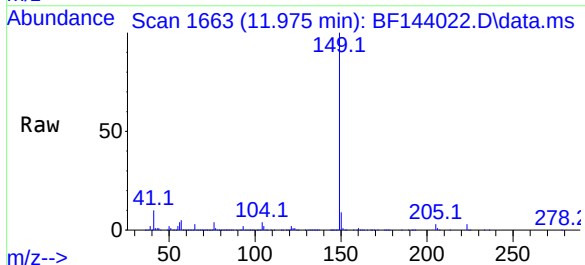
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

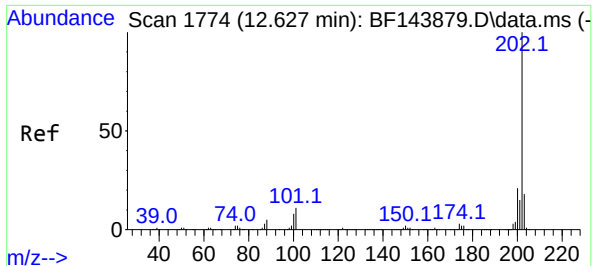
Tgt Ion:167 Resp: 615869
Ion Ratio Lower Upper
167 100
166 20.9 17.2 25.8
139 12.3 10.1 15.1



#74
Di-n-butylphthalate
Concen: 52.26 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:149 Resp: 753521
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 3.8 3.4 5.2

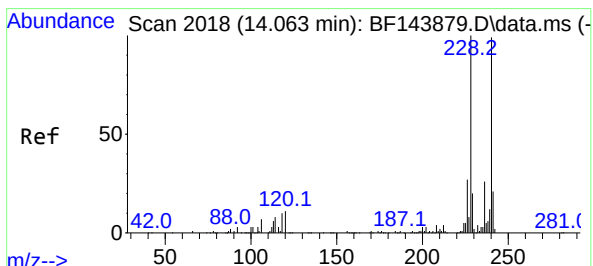
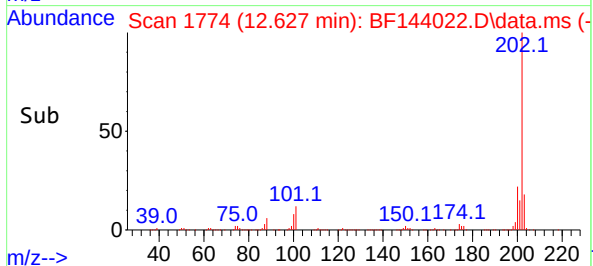
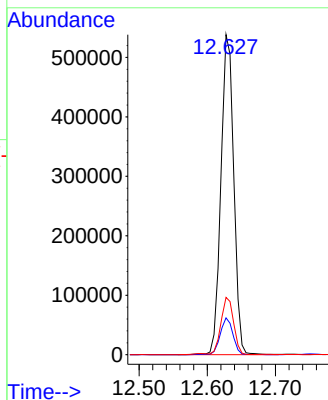
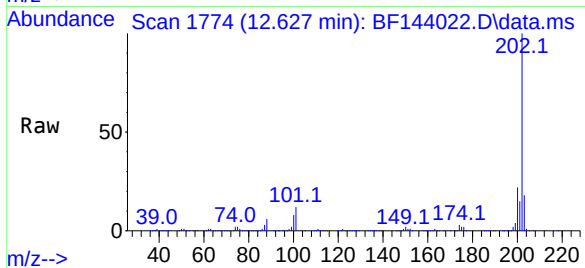




#75
Fluoranthene
Concen: 49.14 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

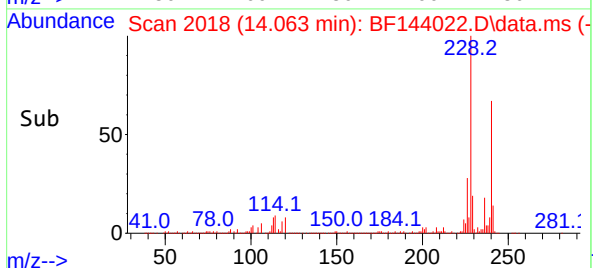
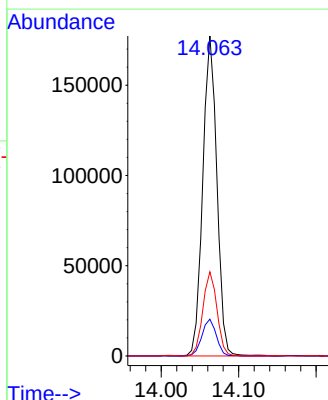
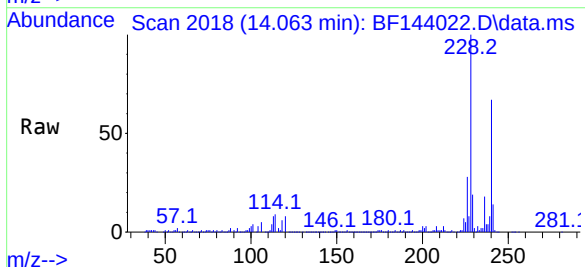
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

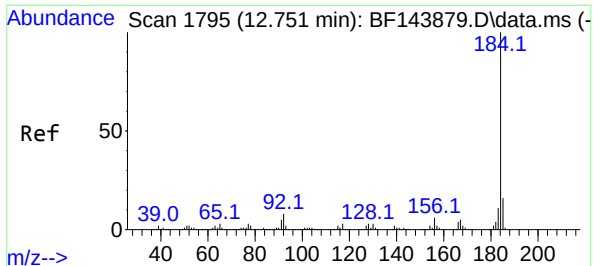
Tgt Ion:202 Resp: 705704
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.7
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:240 Resp: 223920
Ion Ratio Lower Upper
240 100
120 11.5 8.6 13.0
236 26.3 21.1 31.7





#77

Benzidine

Concen: 43.94 ng

RT: 12.751 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

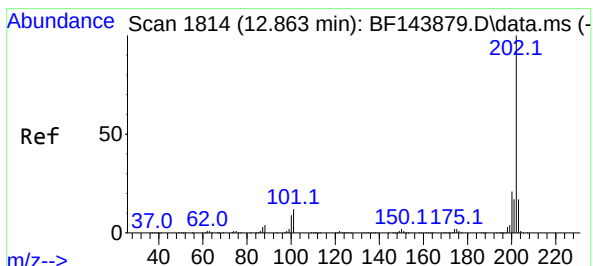
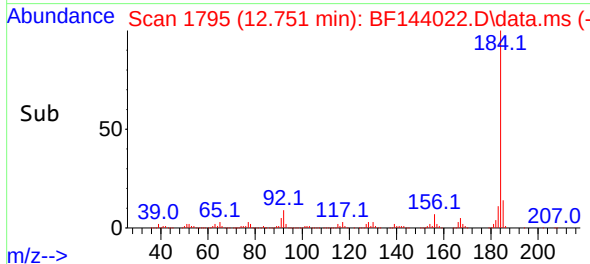
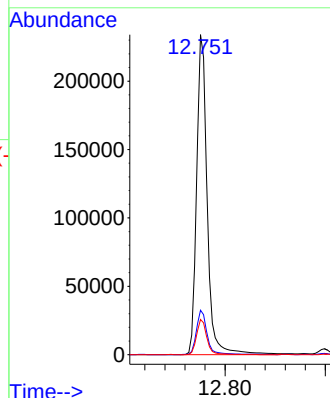
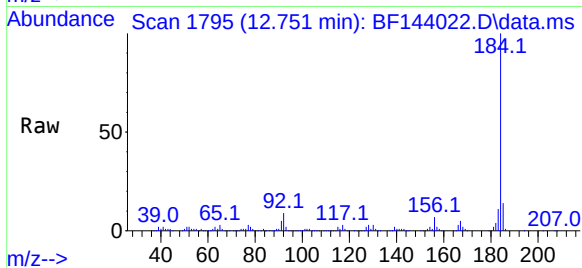
Tgt Ion:184 Resp: 341647

Ion Ratio Lower Upper

184 100

185 13.9 12.6 18.8

183 11.0 8.8 13.2



#78

Pyrene

Concen: 39.55 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

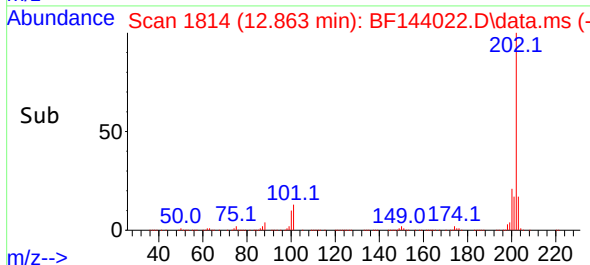
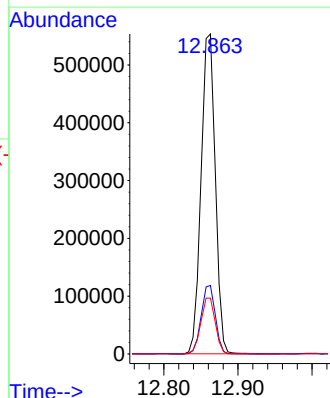
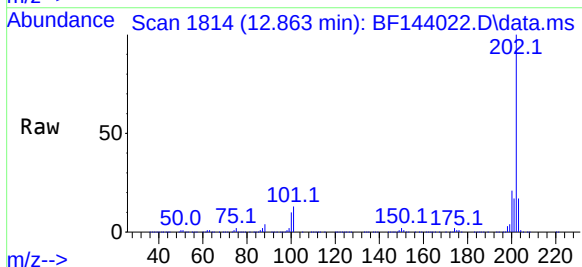
Tgt Ion:202 Resp: 738321

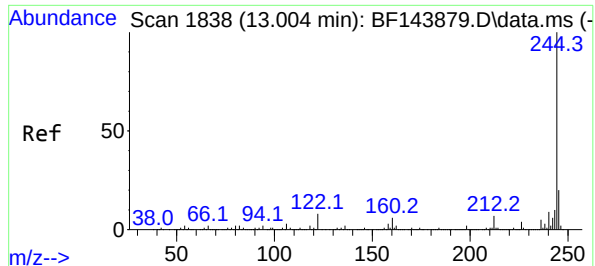
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 34.37 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

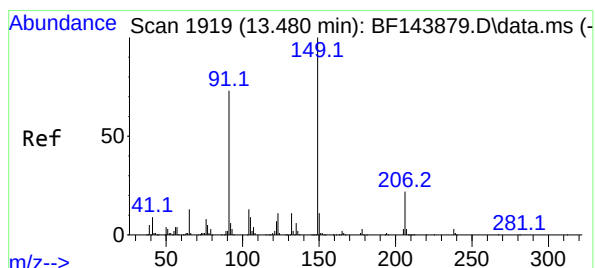
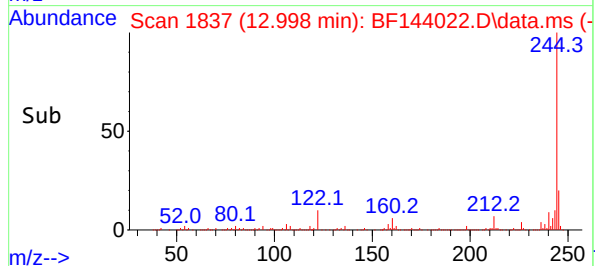
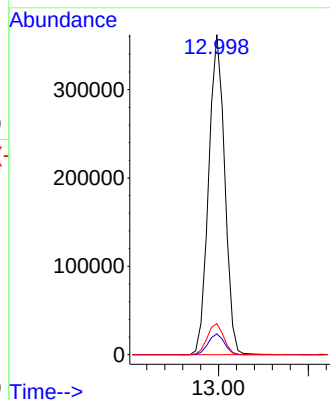
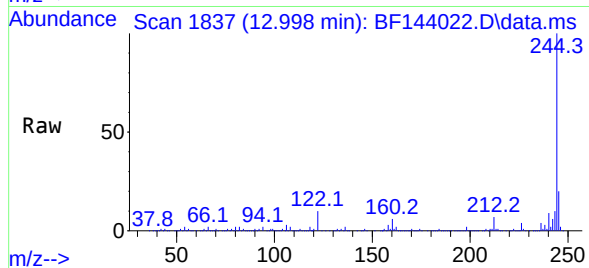
Tgt Ion:244 Resp: 450251

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.7 6.4 9.6#



#80

Butylbenzylphthalate

Concen: 49.08 ng

RT: 13.475 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

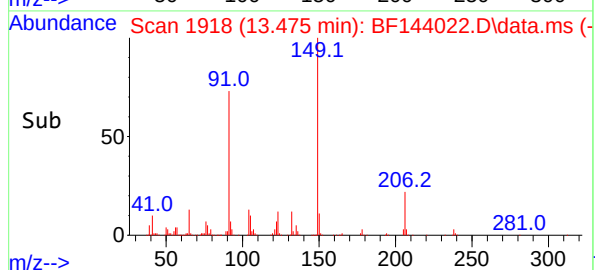
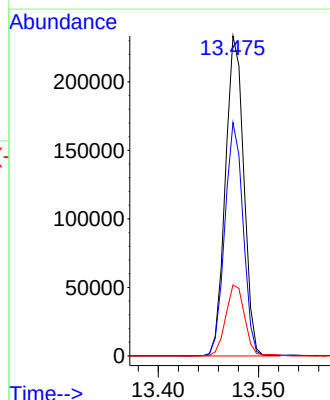
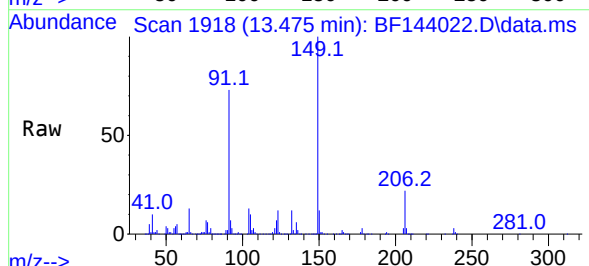
Tgt Ion:149 Resp: 297568

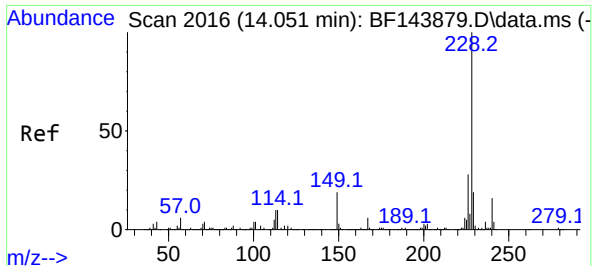
Ion Ratio Lower Upper

149 100

91 72.9 58.2 87.2

206 22.2 17.9 26.9





#81

Benzo(a)anthracene

Concen: 51.28 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

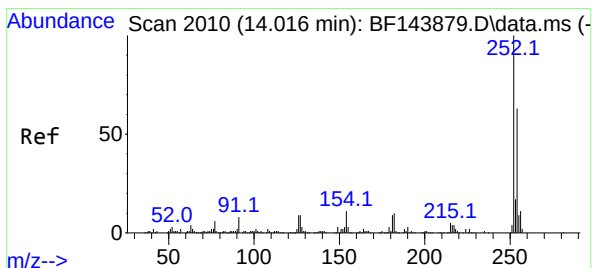
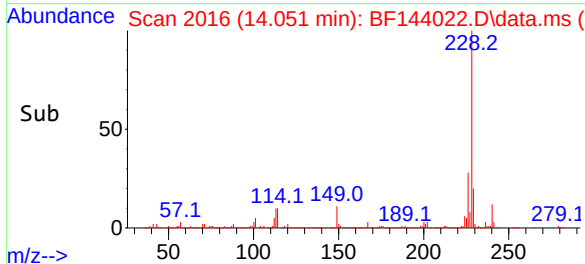
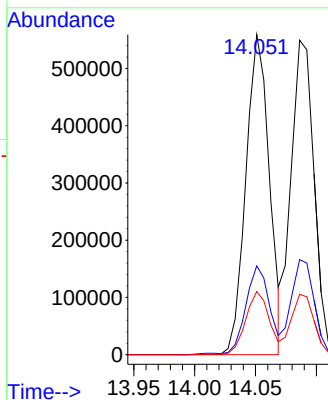
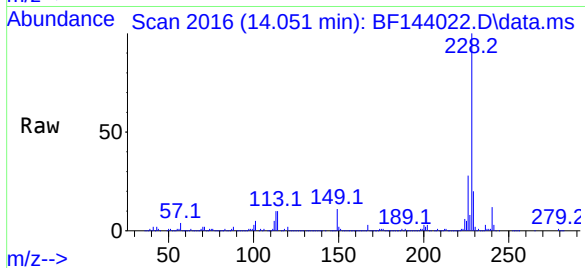
Tgt Ion:228 Resp: 751378

Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.2

229 19.7 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 46.53 ng

RT: 14.016 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

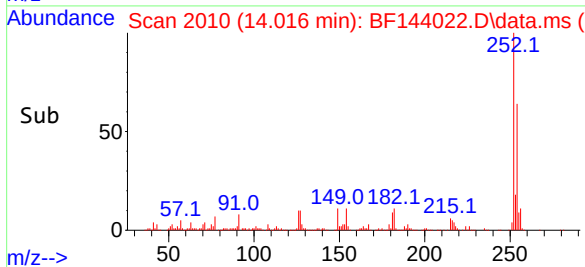
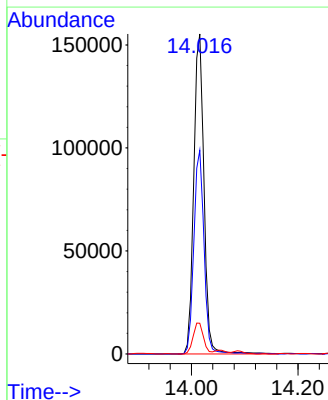
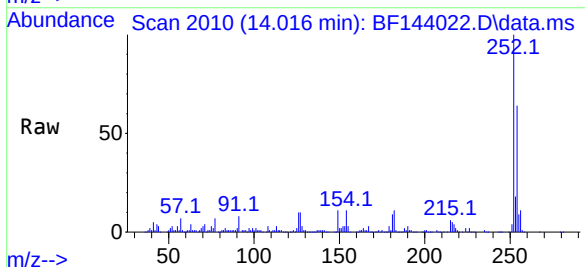
Tgt Ion:252 Resp: 207789

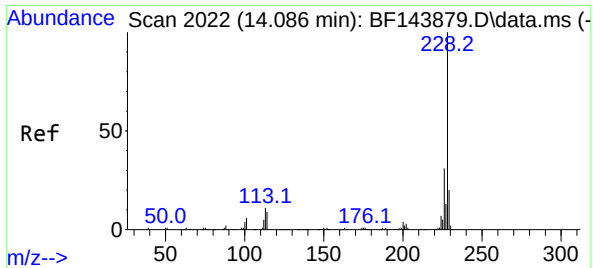
Ion Ratio Lower Upper

252 100

254 63.7 50.6 76.0

126 9.6 7.0 10.6





#83

Chrysene

Concen: 53.14 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

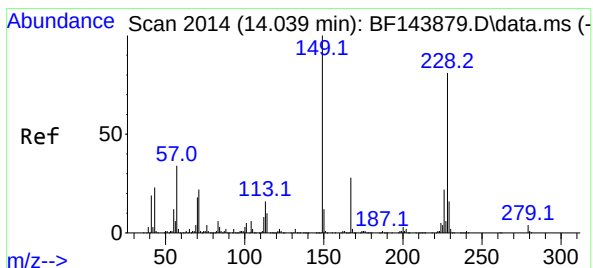
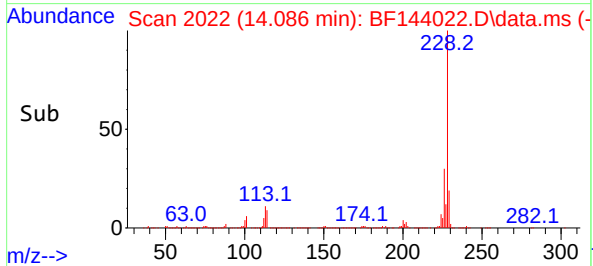
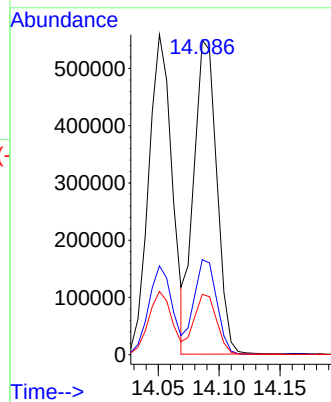
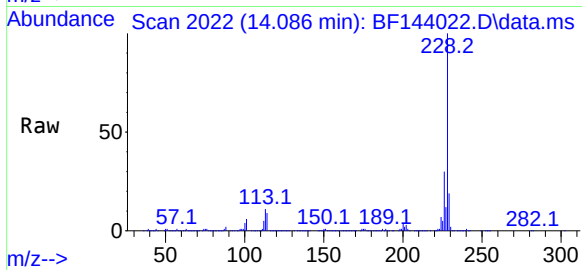
Tgt Ion:228 Resp: 720720

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 19.2 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 57.15 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

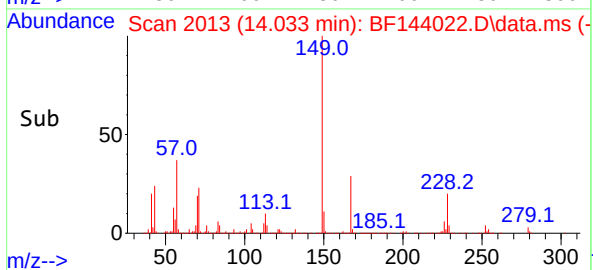
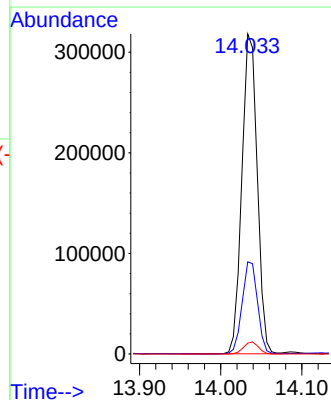
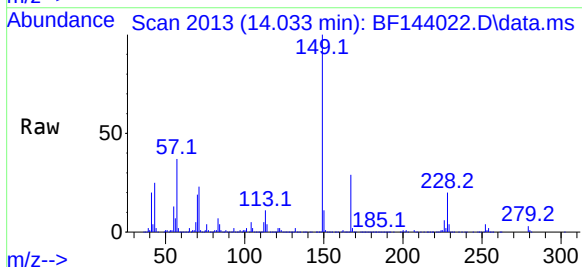
Tgt Ion:149 Resp: 417651

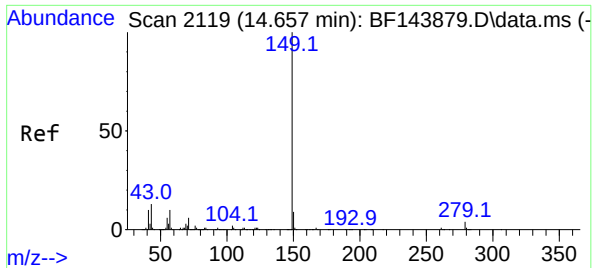
Ion Ratio Lower Upper

149 100

167 28.8 22.2 33.4

279 3.4 3.1 4.7

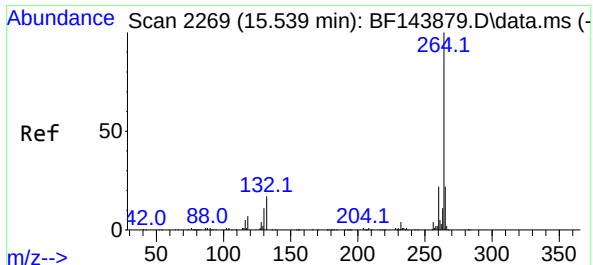
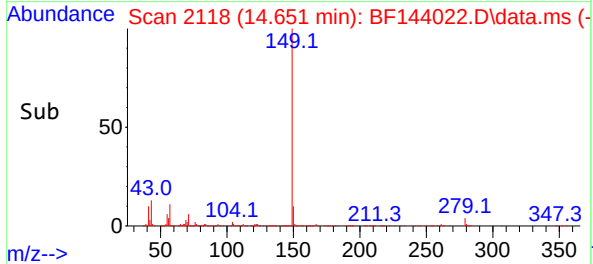
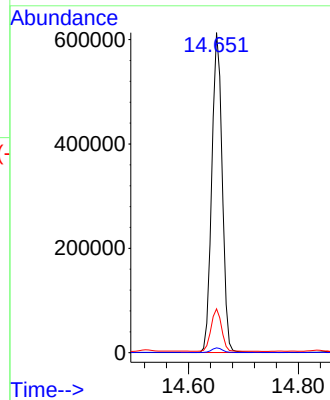
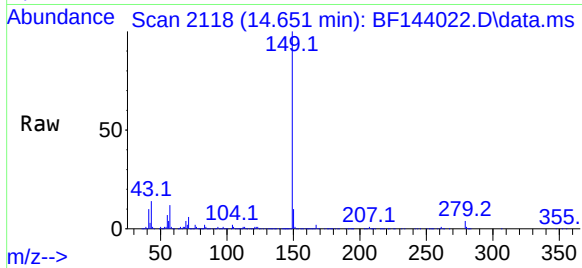




#85
Di-n-octyl phthalate
Concen: 66.97 ng
RT: 14.651 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

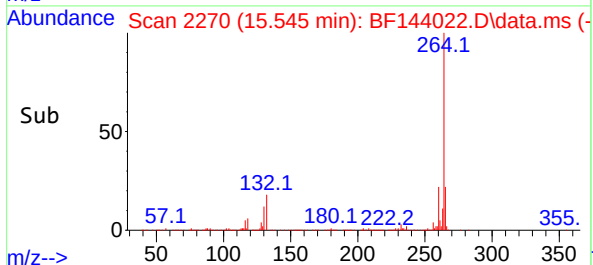
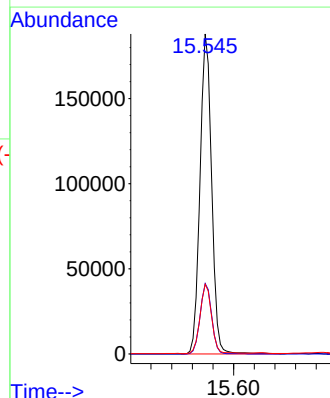
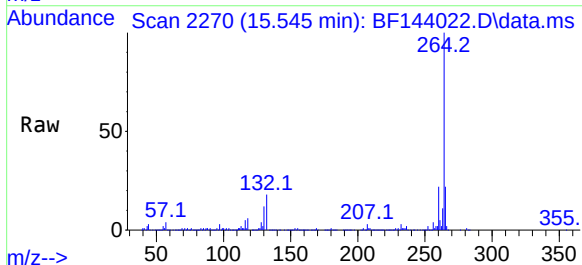
Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:149 Resp: 803920
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.4 11.0 16.4

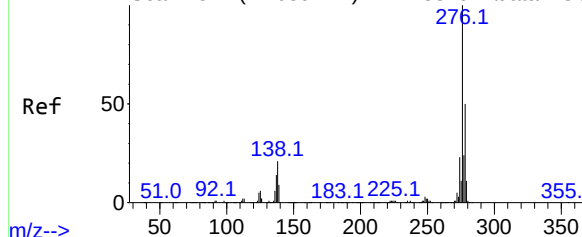


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:264 Resp: 293398
Ion Ratio Lower Upper
264 100
260 22.0 17.8 26.8
265 21.8 17.5 26.3



Abundance Scan 2524 (17.039 min): BF143879.D\data.ms (-



#87

Indeno(1,2,3-cd)pyrene

Concen: 48.20 ng

RT: 17.057 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

Tgt Ion:276 Resp: 866474

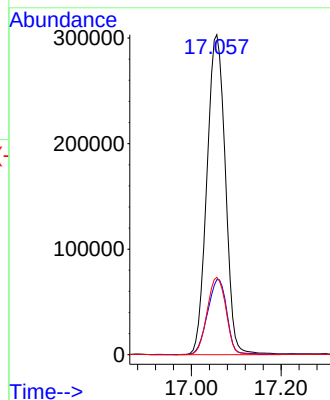
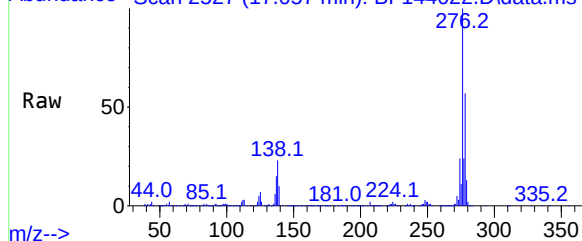
Ion Ratio Lower Upper

276 100

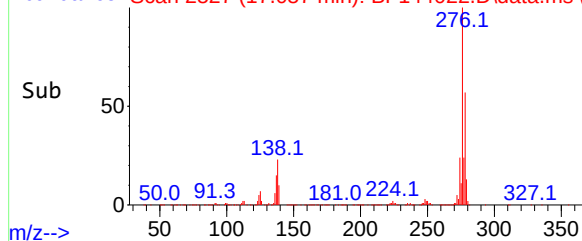
138 24.7 18.2 27.2

277 24.7 19.8 29.6

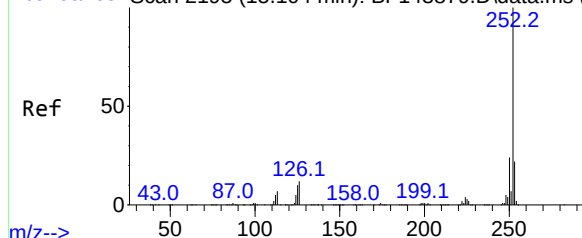
Abundance Scan 2527 (17.057 min): BF144022.D\data.ms



Abundance Scan 2527 (17.057 min): BF144022.D\data.ms (-



Abundance Scan 2195 (15.104 min): BF143879.D\data.ms (-



#88

Benzo(b)fluoranthene

Concen: 49.10 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion:252 Resp: 827497

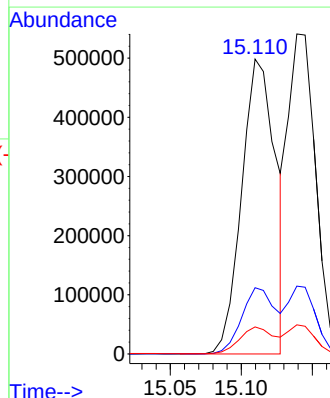
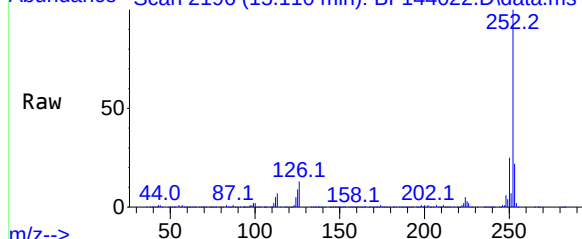
Ion Ratio Lower Upper

252 100

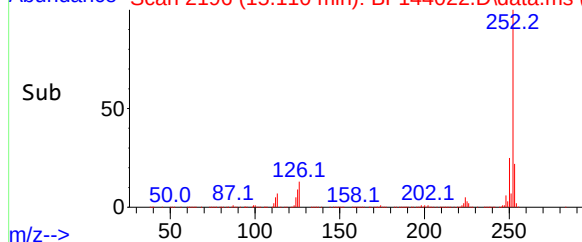
253 22.5 17.4 26.2

125 9.2 7.8 11.6

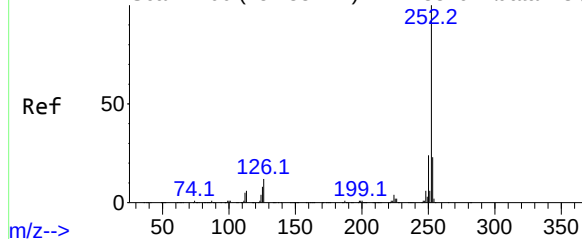
Abundance Scan 2196 (15.110 min): BF144022.D\data.ms



Abundance Scan 2196 (15.110 min): BF144022.D\data.ms (-



Abundance Scan 2200 (15.133 min): BF143879.D\data.ms (-



#89

Benzo(k)fluoranthene

Concen: 46.49 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

Tgt Ion:252 Resp: 725032

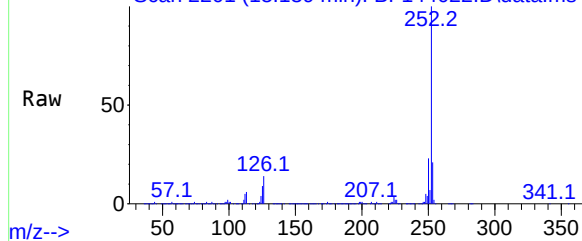
Ion Ratio Lower Upper

252 100

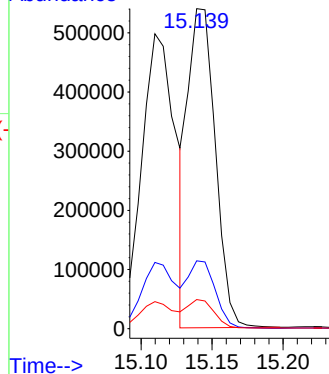
253 21.2 17.8 26.8

125 9.1 7.4 11.2

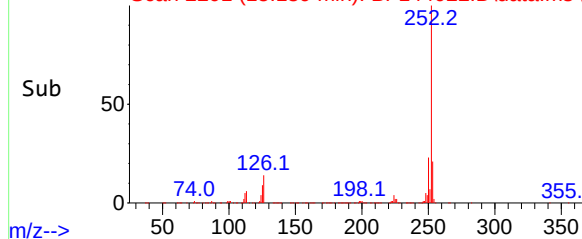
Abundance Scan 2201 (15.139 min): BF144022.D\data.ms



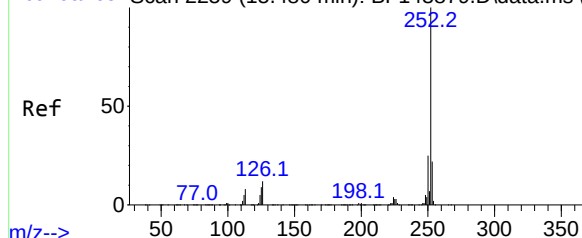
Abundance



Abundance Scan 2201 (15.139 min): BF144022.D\data.ms (-



Abundance Scan 2259 (15.480 min): BF143879.D\data.ms (-



#90

Benzo(a)pyrene

Concen: 52.48 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion:252 Resp: 766944

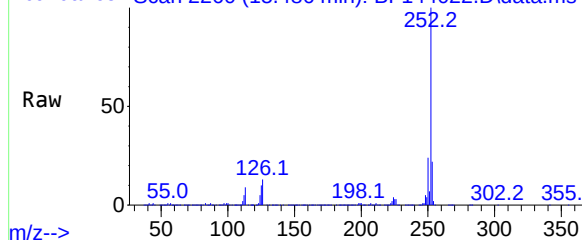
Ion Ratio Lower Upper

252 100

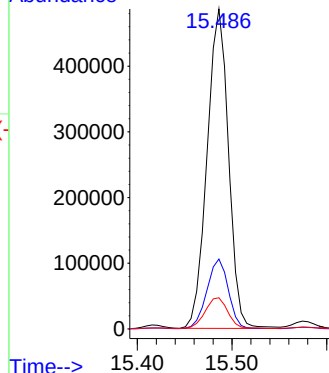
253 21.8 17.3 25.9

125 9.7 7.0 10.4

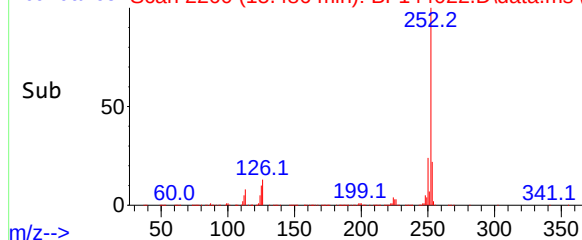
Abundance Scan 2260 (15.486 min): BF144022.D\data.ms



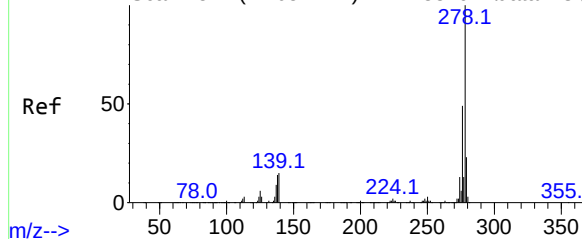
Abundance



Abundance Scan 2260 (15.486 min): BF144022.D\data.ms (-



Abundance Scan 2527 (17.057 min): BF143879.D\data.ms (-



#91

Dibenzo(a,h)anthracene

Concen: 48.81 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Instrument :

BNA_F

ClientSampleId :

41-LBMSD

Tgt Ion:278 Resp: 705803

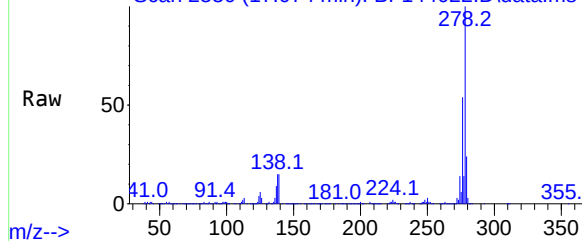
Ion Ratio Lower Upper

278 100

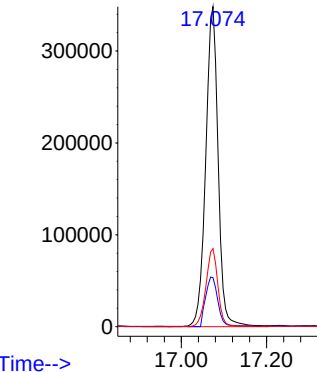
139 15.3 11.7 17.5

279 24.4 18.4 27.6

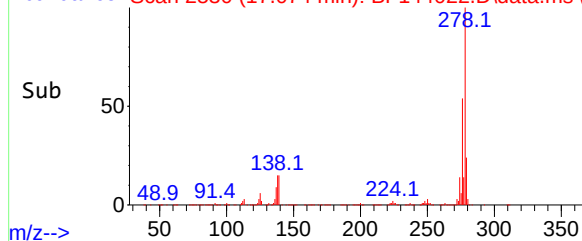
Abundance Scan 2530 (17.074 min): BF144022.D\data.ms



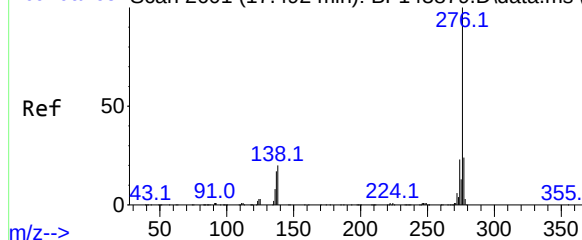
Abundance



Abundance Scan 2530 (17.074 min): BF144022.D\data.ms (-



Abundance Scan 2601 (17.492 min): BF143879.D\data.ms (-



#92

Benzo(g,h,i)perylene

Concen: 46.10 ng

RT: 17.510 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF144022.D

Acq: 21 Oct 2025 19:58

Tgt Ion:276 Resp: 666626

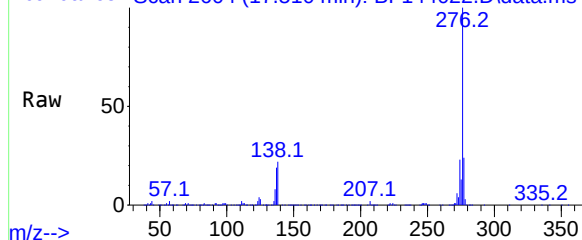
Ion Ratio Lower Upper

276 100

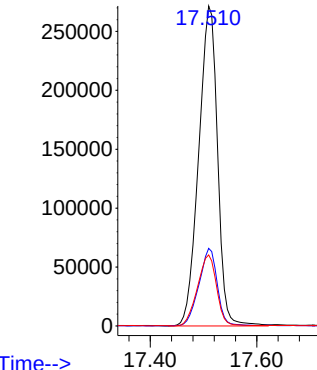
277 24.3 19.0 28.6

138 22.2 16.1 24.1

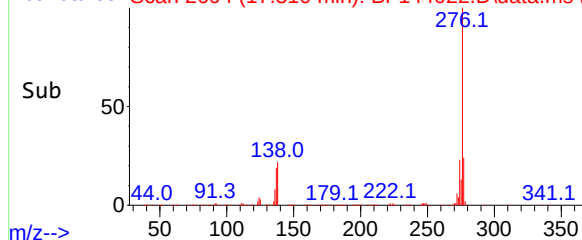
Abundance Scan 2604 (17.510 min): BF144022.D\data.ms



Abundance



Abundance Scan 2604 (17.510 min): BF144022.D\data.ms (-



Manual Integration Report

Sequence:	BF100625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143876.D	Phenol	rahul	10/7/2025 9:06:31 AM	Jagrut	10/7/2025 11:32:03 AM	Peak Integrated by Software
SSTDICC010	BF143877.D	Benzoic acid	rahul	10/7/2025 9:06:33 AM	Jagrut	10/7/2025 11:32:06 AM	Peak Integrated by Software
SSTDICC010	BF143877.D	Phenol	rahul	10/7/2025 9:06:33 AM	Jagrut	10/7/2025 11:32:06 AM	Peak Integrated by Software
SSTDICC020	BF143878.D	Benzoic acid	rahul	10/7/2025 9:06:36 AM	Jagrut	10/7/2025 11:32:08 AM	Peak Integrated by Software
SSTDICC020	BF143878.D	Phenol	rahul	10/7/2025 9:06:36 AM	Jagrut	10/7/2025 11:32:08 AM	Peak Integrated by Software
SSTDICCC040	BF143879.D	Benzoic acid	rahul	10/7/2025 9:06:41 AM	Jagrut	10/7/2025 11:32:10 AM	Peak Integrated by Software
SSTDICCC040	BF143879.D	Phenol	rahul	10/7/2025 9:06:41 AM	Jagrut	10/7/2025 11:32:10 AM	Peak Integrated by Software
SSTDICC080	BF143882.D	Benzoic acid	rahul	10/7/2025 9:06:44 AM	Jagrut	10/7/2025 11:32:12 AM	Peak Integrated by Software
SSTDICV040	BF143883.D	Phenol	rahul	10/7/2025 9:06:46 AM	Jagrut	10/7/2025 11:32:15 AM	Peak Integrated by Software



Manual Integration Report

Sequence:	BF102125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

Manual Integration Report

Sequence:	BF102225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170180BS	BF144034.D	Caprolactam	rahul	10/23/2025 8:15:19 AM	mohammad	10/28/2025 9:38:00 AM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF100625

Review By	Rahul	Review On	10/6/2025 4:17:39 PM		
Supervise By	Jagrut	Supervise On	10/7/2025 11:32:28 AM		
SubDirectory	BF100625	HP Acquire Method	BNA_F	HP Processing Method	bf100625
STD. NAME		STD REF.#			
Tune/Reschk		SP6875			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13177,10ul/1000ul sample			
ICV/I.BLK		SP6872			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143874.D	06 Oct 2025 09:30	RC/JU	Ok
2	SSTDICC2.5	BF143875.D	06 Oct 2025 09:59	RC/JU	Ok
3	SSTDICC005	BF143876.D	06 Oct 2025 10:28	RC/JU	Ok,M
4	SSTDICC010	BF143877.D	06 Oct 2025 10:57	RC/JU	Ok,M
5	SSTDICC020	BF143878.D	06 Oct 2025 11:56	RC/JU	Ok,M
6	SSTDICCC040	BF143879.D	06 Oct 2025 12:54	RC/JU	Ok,M
7	SSTDICC050	BF143880.D	06 Oct 2025 13:23	RC/JU	Ok
8	SSTDICC060	BF143881.D	06 Oct 2025 13:53	RC/JU	Ok
9	SSTDICC080	BF143882.D	06 Oct 2025 14:22	RC/JU	Ok,M
10	SSTDICV040	BF143883.D	06 Oct 2025 16:08	RC/JU	Ok,M
11	PB169953BL	BF143884.D	06 Oct 2025 16:38	RC/JU	Not Ok
12	PB169953BS	BF143885.D	06 Oct 2025 17:07	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102125

Review By	rahul	Review On	10/22/2025 2:35:54 PM
Supervise By	Jagrut	Supervise On	10/22/2025 2:50:46 PM
SubDirectory	BF102125	HP Acquire Method	BNA_F
		HP Processing Method	BF100625
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13178,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144008.D	21 Oct 2025 12:43	RC/JU	Ok
2	SSTDCCC040	BF144009.D	21 Oct 2025 13:29	RC/JU	Ok
3	PB170166BL	BF144010.D	21 Oct 2025 13:58	RC/JU	Ok
4	PB170166BS	BF144011.D	21 Oct 2025 14:26	RC/JU	Ok,M
5	PB170166BSD	BF144012.D	21 Oct 2025 14:59	RC/JU	Ok,M
6	Q3386-03	BF144013.D	21 Oct 2025 15:33	RC/JU	Ok,M
7	Q3386-04	BF144014.D	21 Oct 2025 16:03	RC/JU	Ok,M
8	Q3375-01	BF144015.D	21 Oct 2025 16:32	RC/JU	Ok
9	Q3375-02	BF144016.D	21 Oct 2025 17:02	RC/JU	Ok
10	Q3375-03	BF144017.D	21 Oct 2025 17:31	RC/JU	Ok
11	Q3375-04	BF144018.D	21 Oct 2025 18:01	RC/JU	Ok
12	Q3375-05	BF144019.D	21 Oct 2025 18:30	RC/JU	Ok
13	Q3402-07	BF144020.D	21 Oct 2025 18:59	RC/JU	Ok
14	Q3402-07MS	BF144021.D	21 Oct 2025 19:28	RC/JU	Ok
15	Q3402-07MSD	BF144022.D	21 Oct 2025 19:58	RC/JU	Ok
16	Q3402-10	BF144023.D	21 Oct 2025 20:27	RC/JU	Ok,M
17	Q3403-01	BF144024.D	21 Oct 2025 20:56	RC/JU	Ok,M
18	Q3397-01	BF144025.D	21 Oct 2025 21:25	RC/JU	Ok
19	Q3402-04	BF144026.D	21 Oct 2025 21:55	RC/JU	Ok
20	Q3402-01	BF144027.D	21 Oct 2025 22:24	RC/JU	Ok,M
21	Q3376-01	BF144028.D	21 Oct 2025 22:53	RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102125

Review By	rahul	Review On	10/22/2025 2:35:54 PM
Supervise By	Jagrut	Supervise On	10/22/2025 2:50:46 PM
SubDirectory	BF102125	HP Acquire Method	BNA_F
		HP Processing Method	BF100625
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13178,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3376-02	BF144029.D	21 Oct 2025 23:22	RC/JU	Ok,M
23	Q3393-02	BF144030.D	21 Oct 2025 23:51	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102225

Review By	rahul	Review On	10/28/2025 9:35:43 AM
Supervise By	mohammad	Supervise On	10/28/2025 9:38:00 AM
SubDirectory	BF102225	HP Acquire Method	BNA_F
		HP Processing Method	BF100625
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13179,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144031.D	22 Oct 2025 09:26	RC/JU	Ok
2	SSTDCCC040	BF144032.D	22 Oct 2025 10:25	RC/JU	Ok
3	PB170180BL	BF144033.D	22 Oct 2025 10:54	RC/JU	Ok
4	PB170180BS	BF144034.D	22 Oct 2025 11:23	RC/JU	Ok,M
5	Q3393-05	BF144035.D	22 Oct 2025 11:57	RC/JU	Ok
6	Q3393-01	BF144036.D	22 Oct 2025 12:26	RC/JU	Ok
7	Q3393-04	BF144037.D	22 Oct 2025 12:55	RC/JU	Ok
8	Q3393-03	BF144038.D	22 Oct 2025 13:24	RC/JU	Ok
9	Q3376-03	BF144039.D	22 Oct 2025 13:53	RC/JU	Ok
10	Q3376-04	BF144040.D	22 Oct 2025 14:22	RC/JU	Ok
11	Q3376-05	BF144041.D	22 Oct 2025 14:51	RC/JU	ReRun
12	Q3392-08RE	BF144042.D	22 Oct 2025 15:20	RC/JU	Confirms
13	Q3399-01	BF144043.D	22 Oct 2025 15:49	RC/JU	Ok
14	Q3404-01	BF144044.D	22 Oct 2025 16:18	RC/JU	ReRun
15	Q3399-01MS	BF144045.D	22 Oct 2025 16:48	RC/JU	Ok
16	Q3399-01MSD	BF144046.D	22 Oct 2025 17:17	RC/JU	Ok
17	Q3416-01	BF144047.D	22 Oct 2025 17:46	RC/JU	ReRun
18	Q3403-04	BF144048.D	22 Oct 2025 18:15	RC/JU	Ok
19	Q3412-04	BF144049.D	22 Oct 2025 18:45	RC/JU	ReRun
20	Q3404-04	BF144050.D	22 Oct 2025 19:14	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF100625

Review By	Rahul	Review On	10/6/2025 4:17:39 PM
Supervise By	Jagrut	Supervise On	10/7/2025 11:32:28 AM
SubDirectory	BF100625	HP Acquire Method	BNA_F
		HP Processing Method	bf100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13177,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143874.D	06 Oct 2025 09:30		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143875.D	06 Oct 2025 09:59		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143876.D	06 Oct 2025 10:28		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF143877.D	06 Oct 2025 10:57		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143878.D	06 Oct 2025 11:56		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF143879.D	06 Oct 2025 12:54	compound #54 kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF143880.D	06 Oct 2025 13:23		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143881.D	06 Oct 2025 13:53		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143882.D	06 Oct 2025 14:22	Compound #45 & #77 removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBF100625	BF143883.D	06 Oct 2025 16:08		RC/JU	Ok,M
11	PB169953BL	PB169953BL	BF143884.D	06 Oct 2025 16:38	Surrogate Fail	RC/JU	Not Ok
12	PB169953BS	PB169953BS	BF143885.D	06 Oct 2025 17:07	Surrogate Fail	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102125

Review By	rahul	Review On	10/22/2025 2:35:54 PM
Supervise By	Jagrut	Supervise On	10/22/2025 2:50:46 PM
SubDirectory	BF102125	HP Acquire Method	BNA_F
		HP Processing Method	BF100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144008.D	21 Oct 2025 12:43		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144009.D	21 Oct 2025 13:29		RC/JU	Ok
3	PB170166BL	PB170166BL	BF144010.D	21 Oct 2025 13:58		RC/JU	Ok
4	PB170166BS	PB170166BS	BF144011.D	21 Oct 2025 14:26		RC/JU	Ok,M
5	PB170166BSD	PB170166BSD	BF144012.D	21 Oct 2025 14:59		RC/JU	Ok,M
6	Q3386-03	3443	BF144013.D	21 Oct 2025 15:33	Internal standard fail	RC/JU	Ok,M
7	Q3386-04	3444	BF144014.D	21 Oct 2025 16:03		RC/JU	Ok,M
8	Q3375-01	PR132-S02-074099-20	BF144015.D	21 Oct 2025 16:32		RC/JU	Ok
9	Q3375-02	PR132-S04-000013-20	BF144016.D	21 Oct 2025 17:02		RC/JU	Ok
10	Q3375-03	PR132-S05-000057-20	BF144017.D	21 Oct 2025 17:31		RC/JU	Ok
11	Q3375-04	PR132-S02-010074-20	BF144018.D	21 Oct 2025 18:01		RC/JU	Ok
12	Q3375-05	PR132-DP02-20251016	BF144019.D	21 Oct 2025 18:30		RC/JU	Ok
13	Q3402-07	41-LB	BF144020.D	21 Oct 2025 18:59		RC/JU	Ok
14	Q3402-07MS	41-LBMS	BF144021.D	21 Oct 2025 19:28		RC/JU	Ok
15	Q3402-07MSD	41-LBMSD	BF144022.D	21 Oct 2025 19:58		RC/JU	Ok
16	Q3402-10	41-RB	BF144023.D	21 Oct 2025 20:27		RC/JU	Ok,M
17	Q3403-01	MH-18	BF144024.D	21 Oct 2025 20:56		RC/JU	Ok,M
18	Q3397-01	TP-7-WC	BF144025.D	21 Oct 2025 21:25		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102125

Review By	rahul	Review On	10/22/2025 2:35:54 PM		
Supervise By	Jagrut	Supervise On	10/22/2025 2:50:46 PM		
SubDirectory	BF102125	HP Acquire Method	BNA_F	HP Processing Method	BF100625
STD. NAME	STD REF.#				
Tune/Reschk	SP6875				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13178,10ul/1000ul sample				
ICV/I.BLK	SP6872				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q3402-04	41-RA	BF144026.D	21 Oct 2025 21:55		RC/JU	Ok
20	Q3402-01	41-LA	BF144027.D	21 Oct 2025 22:24		RC/JU	Ok,M
21	Q3376-01	PR132-S05-057082-20	BF144028.D	21 Oct 2025 22:53		RC/JU	Ok,M
22	Q3376-02	PR132-DP01-20251016	BF144029.D	21 Oct 2025 23:22		RC/JU	Ok,M
23	Q3393-02	PR132-S10-022047-20	BF144030.D	21 Oct 2025 23:51		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102225

Review By	rahul	Review On	10/28/2025 9:35:43 AM
Supervise By	mohammad	Supervise On	10/28/2025 9:38:00 AM
SubDirectory	BF102225	HP Acquire Method	BNA_F
		HP Processing Method	BF100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/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	BF144031.D	22 Oct 2025 09:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144032.D	22 Oct 2025 10:25	CCC fail high side for com. #92	RC/JU	Ok
3	PB170180BL	PB170180BL	BF144033.D	22 Oct 2025 10:54		RC/JU	Ok
4	PB170180BS	PB170180BS	BF144034.D	22 Oct 2025 11:23		RC/JU	Ok,M
5	Q3393-05	PR132-S08-000013-20	BF144035.D	22 Oct 2025 11:57		RC/JU	Ok
6	Q3393-01	PR132-S10-000022-20	BF144036.D	22 Oct 2025 12:26		RC/JU	Ok
7	Q3393-04	PR132-S06-000021-20	BF144037.D	22 Oct 2025 12:55		RC/JU	Ok
8	Q3393-03	PR132-S08-013038-20	BF144038.D	22 Oct 2025 13:24		RC/JU	Ok
9	Q3376-03	PR132-COMP2-202510	BF144039.D	22 Oct 2025 13:53		RC/JU	Ok
10	Q3376-04	PR132-S12-047072-20	BF144040.D	22 Oct 2025 14:22		RC/JU	Ok
11	Q3376-05	PR132-S12-020047-20	BF144041.D	22 Oct 2025 14:51	Internal standard fail	RC/JU	ReRun
12	Q3392-08RE	MH-19RE	BF144042.D	22 Oct 2025 15:20	Internal Standard Fail	RC/JU	Confirms
13	Q3399-01	COMP-ROLLOFF	BF144043.D	22 Oct 2025 15:49	Internal Standard Fail- confirmed in MS & MSD.	RC/JU	Ok
14	Q3404-01	MOO-25-0285-0288	BF144044.D	22 Oct 2025 16:18	Internal standard fail	RC/JU	ReRun
15	Q3399-01MS	COMP-ROLLOFFMS	BF144045.D	22 Oct 2025 16:48	Internal standard fail	RC/JU	Ok
16	Q3399-01MSD	COMP-ROLLOFFMSD	BF144046.D	22 Oct 2025 17:17	Internal standard fail	RC/JU	Ok
17	Q3416-01	NB-08-10212025	BF144047.D	22 Oct 2025 17:46	Internal standard fail	RC/JU	ReRun

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF102225

Review By	rahul	Review On	10/28/2025 9:35:43 AM		
Supervise By	mohammad	Supervise On	10/28/2025 9:38:00 AM		
SubDirectory	BF102225	HP Acquire Method	BNA_F	HP Processing Method	BF100625
STD. NAME		STD REF.#			
Tune/Reschk	SP6875				
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864				
CCC	SP6860				
Internal Standard/PEM	S13179,10ul/1000ul sample				
ICV/I.BLK	SP6872				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q3403-04	MH-18	BF144048.D	22 Oct 2025 18:15	Internal standard fail	RC/JU	Ok
19	Q3412-04	TP-6	BF144049.D	22 Oct 2025 18:45	Internal Standard Fail	RC/JU	ReRun
20	Q3404-04	MOO-25-0292	BF144050.D	22 Oct 2025 19:14	Internal Standard Fail	RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137589

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
Q3368-06	OUTSIDE-DUMPSTER	1	1.12	10.63	11.75	8.28	67.4	
Q3368-07	PRESS-SLUDGE	2	1.18	10.30	11.48	7.89	65.1	
Q3393-01	PR132-S10-000022-20251017	3	1.17	10.44	11.61	7.02	56.0	
Q3393-02	PR132-S10-022047-20251017	4	1.14	10.48	11.62	6.8	54.0	
Q3393-03	PR132-S08-013038-20251017	5	1.11	10.85	11.96	6.84	52.8	
Q3393-04	PR132-S06-000021-20251017	6	1.13	10.50	11.63	7.03	56.2	
Q3393-05	PR132-S08-000013-20251017	7	1.12	10.53	11.65	6.6	52.0	
Q3395-01	PR132-S09-000051-20251017	8	1.15	10.48	11.63	6.69	52.9	
Q3395-02	PR132-S07-000102-20251017	9	1.14	10.21	11.35	6.03	47.9	
Q3395-03	Q3395-02MS	10	1.14	10.21	11.35	6.03	47.9	
Q3395-04	Q3395-02MSD	11	1.14	10.21	11.35	6.03	47.9	
Q3395-05	PR132-S07-102116-20251017	12	1.13	10.12	11.25	6.33	51.4	
Q3395-06	PR132-COMP03-20251017	13	1.15	10.74	11.89	8.65	69.8	
Q3395-07	PR132-S08-038048-20251017	14	1.15	10.68	11.83	7.41	58.6	
Q3396-01	A	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3396-02	B	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3396-03	C	17	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3397-01	TP-7-WC	18	1.14	10.67	11.81	10.66	89.2	
Q3397-02	TP-7-EPH	19	1.18	10.18	11.36	9.81	84.8	
Q3397-03	TP-7-VOC	20	1.14	10.66	11.8	10.55	88.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

28137584

WorkList Name : % SOLID-102025 WorkList ID : 192564

Department : Wet-Chemistry

Date : 10-20-2025 15:56:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-06	OUTSIDE-DUMPSTER	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3368-07	PRESS-SLUDGE	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3393-01	PR132-S10-000022-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-02	PR132-S10-022047-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-03	PR132-S08-013038-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-04	PR132-S06-000021-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-05	PR132-S08-000013-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-01	PR132-S09-000051-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-02	PR132-S07-000102-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-03	Q3395-02MS	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-04	Q3395-02MSD	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-05	PR132-S07-102116-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-06	PR132-COMP03-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-07	PR132-S08-038048-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3396-01	A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3396-02	B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3396-03	C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3397-01	TP-7-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO
Q3397-02	TP-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO
Q3397-03	TP-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO

Date/Time 10/20/25 16:20

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 10/20/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

1740

[Signature]

SOP ID:	M3541-ASE Extraction-15		
Clean Up SOP #:	N/A	Extraction Start Date :	10/21/2025
Matrix :	Solid	Extraction Start Time :	09:45
Weigh By:	EH	Extraction By:	EH
Balance check:	EH	Filter By:	RS
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
		Concentration By:	EH
		Supervisor By :	RUPESH

Extraction Method:
☐ Seperatory Funnel
 ☐ Continious Liquid/Liquid
 ☐ Sonication
 ☐ Waste Dilution
 ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6865
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2641
Baked Na2SO4	N/A	EP2652
Methylene Chloride	N/A	E3980
Sand	N/A	E3951
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/25	RS (Ext Lab)	JH SVOC
13:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170180BL	SBLK180	SVOC-TCL BNA -20	30.02	N/A	Evelyn	RUPESEH	1			U4-1
PB170180BS	SLCS180	SVOC-TCL BNA -20	30.03	N/A	Evelyn	RUPESEH	1			2
Q3376-01	PR132-S05-057082-2025 1016	SVOC-TCL BNA -20	30.01	N/A	Evelyn	RUPESEH	1	E		3
Q3376-02	PR132-DP01-20251016	SVOC-TCL BNA -20	30.04	N/A	Evelyn	RUPESEH	1	E		4
Q3376-03	PR132-COMP2-20251016	SVOC-TCL BNA -20	30.08	N/A	Evelyn	RUPESEH	1	E		5
Q3376-04	PR132-S12-047072-2025 1016	SVOC-TCL BNA -20	30.07	N/A	Evelyn	RUPESEH	1	E		6
Q3376-05	PR132-S12-020047-2025 1016	SVOC-TCL BNA -20	30.02	N/A	Evelyn	RUPESEH	1	E		U6-1
Q3393-01	PR132-S10-000022-2025 1017	SVOC-TCL BNA -20	30.05	N/A	Evelyn	RUPESEH	1	E		2
Q3393-02	PR132-S10-022047-2025 1017	SVOC-TCL BNA -20	30.04	N/A	Evelyn	RUPESEH	1	E		3
Q3393-03	PR132-S08-013038-2025 1017	SVOC-TCL BNA -20	30.06	N/A	Evelyn	RUPESEH	1	E		4
Q3393-04	PR132-S06-000021-2025 1017	SVOC-TCL BNA -20	30.09	N/A	Evelyn	RUPESEH	1	E		5
Q3393-05	PR132-S08-000013-2025 1017	SVOC-TCL BNA -20	30.05	N/A	Evelyn	RUPESEH	1	E		6
Q3397-01	TP-7-WC	SVOC-TCL BNA -20	50.02	N/A	Evelyn	RUPESEH	1	E		U1-1
Q3401-01	41-CONCRETE	SVOC-PAH	50.07	N/A	Evelyn	RUPESEH	1	B	Concrete	2
Q3402-01	41-LA	SVOC-TCL BNA -20	50.04	N/A	Evelyn	RUPESEH	1	E		3
Q3402-04	41-RA	SVOC-TCL BNA -20	50.06	N/A	Evelyn	RUPESEH	1	E		4
Q3402-07	41-LB	SVOC-TCL BNA -20	50.03	N/A	Evelyn	RUPESEH	1	E		5
Q3402-07MS	41-LBMS	SVOC-TCL BNA -20	50.01	N/A	Evelyn	RUPESEH	1	E		6
Q3402-07MS D	41-LBMSD	SVOC-TCL BNA -20	50.08	N/A	Evelyn	RUPESEH	1	E		U2-1
Q3402-10	41-RB	SVOC-TCL BNA -20	50.05	N/A	Evelyn	RUPESEH	1	E		2
Q3403-01	MH-18	SVOC-TCL BNA -20	50.03	N/A	Evelyn	RUPESEH	1	E		3

* Extracts relinquished on the same date as received.

10/19/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3403 WorkList ID : 192574 Department : Extraction Date : 10-21-2025 09:25:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3376-01	PR132-S05-057082-20251016	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/16/2025	8270E
Q3376-02	PR132-DP01-20251016	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/16/2025	8270E
Q3376-03	PR132-COMP2-20251016	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/16/2025	8270E
Q3376-04	PR132-S12-047072-20251016	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/16/2025	8270E
Q3376-05	PR132-S12-020047-20251016	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/16/2025	8270E
Q3393-01	PR132-S10-000022-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3393-02	PR132-S10-022047-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3393-03	PR132-S08-013038-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3393-04	PR132-S06-000021-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3393-05	PR132-S08-000013-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3397-01	TP-7-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/18/2025	8270E
Q3401-01	41-CONCRETE	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	D31	10/20/2025	8270E
Q3402-01	41-LA	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/20/2025	8270E
Q3402-04	41-RA	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/20/2025	8270E
Q3402-07	41-LB	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/20/2025	8270E
Q3402-10	41-RB	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/20/2025	8270E
Q3403-01	MH-18	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/20/2025	8270E

Date/Time 10/21/25 9:40
Raw Sample Received by: RS (Ext-Lab)
Raw Sample Relinquished by: CP SM

Date/Time 10/21/25 10:10
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (Ext-Lab)

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SHIPPING DOCUMENTS

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CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond 132
PROJECT NO.: 60893795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10138
ATTENTION: Rob Forstner PHONE: 212-377-8721

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. SVOCs
2. Pesticides
3. Heavy Metals
4. PCBs Hexachloro
5. Dioxin
6. Grain Size
7. TOC
8. VOCs
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									Method	Specify Preservatives	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	PR132-S10-000022-20251017	S		X	10/17	0945	11	X	X	X	X	X	X	X	X				
2.	PR132-S10-022047-20251017	S		X	10/17	0955	11	X	X	X	X	X	X	X	X				
3.	PR132-S08-013038-20251017	S		X	10/17	0855	11	X	X	X	X	X	X	X	X				
4.	PR132-S06-000021-20251017	S		X	10/17	0800	11	X	X	X	X	X	X	X	X				
5.	Temp Blank	A			10/17		1	X	X	X	X	X			X				
6.	PR132-S08-000013-20251017	S		X	10/17	0845	11	X	X	X	X	X	X	X	X				
7.																			
8.																			
9.																			
10.																			

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Jim Alderson	DATE/TIME: 10/17/25 4pm	RECEIVED BY: 1. [Signature] 1600	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1740	RECEIVED BY: 3.	

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

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 : Q3393	AE CO02	Order Date : 10/17/2025 4:23:00 PM	Project Mgr :
Client Name : AECOM		Project Name : AE1-CTY 3.2.Z-PR-DOCK	Report Type : NYS ASP ^A B
Client Contact : Rob Forstner		Receive DateTime : 10/17/2025 ~~12:00:00 AM~~ 17:40	EDD Type : EQUIS
Invoice Name : AECOM		Purchase Order :	Hard Copy Date :
Invoice Contact : Rob Forstner			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3393-01	PR132-S10-000022-20251017	Solid	10/17/2025	09:45	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-02	PR132-S10-022047-20251017	Solid	10/17/2025	09:55	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-03	PR132-S08-013038-20251017	Solid	10/17/2025	08:55	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-04	PR132-S06-000021-20251017	Solid	10/17/2025	08:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-05	PR132-S08-000013-20251017	Solid	10/17/2025	08:45	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time : 10/20/25 1200

Received By :

Date / Time : 10/20/25 1200

Storage Area : VOA Refridgerator Room