

Cover Page

Order ID : Q2558

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

Q2558-01
Q2558-02
Q2558-03
Q2558-04

Client Sample Number

OU4-TS-Denali-070925
OU4-TS-Denali-070925
OU4-TS-Grillo-OG-070925
OU4-TS-Grillo-OG-070925

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

Signature : _____

Date: 7/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2558

Test Name: SVOCMS Group3

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 07/10/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOCMS Group3. This data package contains results for SVOCMS Group3.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The analysis of SVOCMS Group3 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for, OU4-TS-Denali-070925 [Terphenyl-d14 - 28%], OU4-TS-Grillo-OG-070925 [Terphenyl-d14 - 33%], TP-17MS [Terphenyl-d14 - 42%] and TP-17MSD [Terphenyl-d14 - 42%]. One base surrogate is allowed to fail as per SOP, therefore no further corrective action was taken.

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 met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

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



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The not QT review data is reported in the Miscellaneous.

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

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

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Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

ORDER ID: Q2558

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 Initial Calibration met the requirements. The Continuous Calibration met the requirements.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:			✓
7.	Surrogate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries were met for all analysis except for, OU4-TS-Denali-070925 [Terphenyl-d14 - 28%], OU4-TS-Grillo-OG-070925 [Terphenyl-d14 - 33%], TP-17MS [Terphenyl-d14 - 42%] and TP-17MSD [Terphenyl- d14 - 42%]. One base surrogate is allowed to fail as per SOP, therefor no further corrective action was taken.			

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012; NEW YORK LAB ID#: 11376

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

(CONTINUED)

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike met requirements for all compounds.			
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:

As per special requirement for this project form-1 are reported in mg/kg.

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

The not QT review data is reported in the Miscellaneous.

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2558

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: 07/24/2025

LAB CHRONICLE

OrderID:	Q2558	OrderDate:	7/10/2025 11:16:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2558-01	OU4-TS-Denali-07092 5	SOIL			07/09/25			07/10/25
			SVOCMS Group3	8270E		07/11/25	07/17/25	
Q2558-03	OU4-TS-Grillo-OG-070 925	SOIL			07/09/25			07/10/25
			SVOCMS Group3	8270E		07/11/25	07/17/25	

Hit Summary Sheet SW-846

SDG No.: Q2558

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-Denali-070925									
Q2558-01	OU4-TS-Denali-070925	SOIL	Fluoranthene	0.120	J	0.038	0.16	0.21	mg/Kg
Q2558-01	OU4-TS-Denali-070925	SOIL	Benzo(b)fluoranthene	0.120	J	0.024	0.16	0.21	mg/Kg
Total Svoc :						0.24			
Total Concentration:						0.24			
Client ID : OU4-TS-Grillo-OG-070925									
Q2558-03	OU4-TS-Grillo-OG-0709	SOIL	Fluoranthene	0.270		0.038	0.16	0.22	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-0709	SOIL	Pyrene	0.140	J	0.046	0.16	0.22	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-0709	SOIL	Benzo(a)anthracene	0.110	J	0.029	0.16	0.22	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-0709	SOIL	Chrysene	0.110	J	0.025	0.16	0.22	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-0709	SOIL	Benzo(b)fluoranthene	0.160	J	0.024	0.16	0.22	mg/Kg
Q2558-03	OU4-TS-Grillo-OG-0709	SOIL	Benzo(a)pyrene	0.110	J	0.037	0.16	0.22	mg/Kg
Total Svoc :						0.90			
Total Concentration:						0.90			



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2558

Client: Nobis Group

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168813BL	PB168813BL	Nitrobenzene-d5	100	78.7	79		37	122
		2-Fluorobiphenyl	100	74.4	74		44	115
		Terphenyl-d14	100	81.9	82		54	127
PB168813BS	PB168813BS	Nitrobenzene-d5	100	81.7	82		37	122
		2-Fluorobiphenyl	100	74.1	74		44	115
		Terphenyl-d14	100	89.3	89		54	127
Q2558-01	OU4-TS-Denali-070925	Nitrobenzene-d5	100	52.4	52		37	122
		2-Fluorobiphenyl	100	46.3	46		44	115
		Terphenyl-d14	100	28.5	28	*	54	127
Q2558-03	OU4-TS-Grillo-OG-070925	Nitrobenzene-d5	100	56.5	57		37	122
		2-Fluorobiphenyl	100	49.7	50		44	115
		Terphenyl-d14	100	32.8	33	*	54	127
Q2571-05MS	TP-17MS	Nitrobenzene-d5	100	64.4	64		37	122
		2-Fluorobiphenyl	100	53.9	54		44	115
		Terphenyl-d14	100	42.0	42	*	54	127
Q2571-05MSD	TP-17MSD	Nitrobenzene-d5	100	65.4	65		37	122
		2-Fluorobiphenyl	100	53.6	54		44	115
		Terphenyl-d14	100	41.6	42	*	54	127

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2558

Analytical Method: SW8270E

Client: Nobis Group

DataFile: BF143131.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2571-05MS		Client Sample ID: TP-17MS									
Naphthalene	1100	0	920	ug/Kg	84				35	123	
2-Methylnaphthalene	1100	0	920	ug/Kg	84				38	122	
Acenaphthylene	1100	0	940	ug/Kg	85				32	132	
Acenaphthene	1100	0	890	ug/Kg	81				40	123	
Fluorene	1100	0	900	ug/Kg	82				43	125	
Phenanthrene	1100	0	920	ug/Kg	84				50	121	
Anthracene	1100	0	930	ug/Kg	85				47	123	
Fluoranthene	1100	0	930	ug/Kg	85				50	127	
Pyrene	1100	0	750	ug/Kg	68				47	127	
Benzo(a)anthracene	1100	82.0	970	ug/Kg	81				49	126	
Chrysene	1100	97.3	950	ug/Kg	78				50	124	
Benzo(b)fluoranthene	1100	110	1100	ug/Kg	90				45	132	
Benzo(k)fluoranthene	1100	110	890	ug/Kg	71				47	132	
Benzo(a)pyrene	1100	85.4	1000	ug/Kg	83				45	129	
Indeno(1,2,3-cd)pyrene	1100	60.1	790	ug/Kg	66				45	133	
Dibenz(a,h)anthracene	1100	46.2	780	ug/Kg	67				45	134	
Benzo(g,h,i)perylene	1100	69.8	730	ug/Kg	60				43	134	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2558

Analytical Method: SW8270E

Client: Nobis Group

DataFile: BF143132.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2571-05MSD		Client Sample ID: TP-17MSD									
Naphthalene	1100	0	910	ug/Kg	83	1			35	123	20
2-Methylnaphthalene	1100	0	910	ug/Kg	83	1			38	122	20
Acenaphthylene	1100	0	930	ug/Kg	85	0			32	132	20
Acenaphthene	1100	0	890	ug/Kg	81	0			40	123	20
Fluorene	1100	0	890	ug/Kg	81	1			43	125	20
Phenanthrene	1100	0	910	ug/Kg	83	1			50	121	20
Anthracene	1100	0	910	ug/Kg	83	2			47	123	20
Fluoranthene	1100	0	920	ug/Kg	84	1			50	127	20
Pyrene	1100	0	740	ug/Kg	67	1			47	127	20
Benzo(a)anthracene	1100	82.0	960	ug/Kg	80	1			49	126	20
Chrysene	1100	97.3	930	ug/Kg	76	3			50	124	20
Benzo(b)fluoranthene	1100	110	1100	ug/Kg	90	0			45	132	20
Benzo(k)fluoranthene	1100	110	900	ug/Kg	72	1			47	132	20
Benzo(a)pyrene	1100	85.4	1000	ug/Kg	83	0			45	129	20
Indeno(1,2,3-cd)pyrene	1100	60.1	750	ug/Kg	63	5			45	133	20
Dibenz(a,h)anthracene	1100	46.2	740	ug/Kg	63	6			45	134	20
Benzo(g,h,i)perylene	1100	69.8	690	ug/Kg	56	7			43	134	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2558

Analytical Method: 8270E

Client: Nobis Group

DataFile: BF143179.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168813BS	Naphthalene	1700	1500	ug/Kg	88				35	123	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				38	122	
	Acenaphthylene	1700	1500	ug/Kg	88				32	132	
	Acenaphthene	1700	1600	ug/Kg	94				40	123	
	Fluorene	1700	1500	ug/Kg	88				43	125	
	Phenanthrene	1700	1500	ug/Kg	88				50	121	
	Anthracene	1700	1500	ug/Kg	88				47	123	
	Fluoranthene	1700	1600	ug/Kg	94				50	127	
	Pyrene	1700	1800	ug/Kg	106				47	127	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				49	126	
	Chrysene	1700	1500	ug/Kg	88				50	124	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				45	132	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				47	132	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				45	133	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				45	134	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				43	134	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB168813BL

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2558

Lab File ID: BF143149.D

Lab Sample ID: PB168813BL

Instrument ID: BNA_F

Date Extracted: 07/11/2025

Matrix: (soil/water) SOIL

Date Analyzed: 07/17/2025

Level: (low/med) LOW

Time Analyzed: 15:36

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168813BS	PB168813BS	BF143179.D	07/22/2025
OU4-TS-Denali-070925	Q2558-01	BF143134.D	07/17/2025
OU4-TS-Grillo-OG-070925	Q2558-03	BF143136.D	07/17/2025
TP-17MS	Q2571-05MS	BF143131.D	07/17/2025
TP-17MSD	Q2571-05MSD	BF143132.D	07/17/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143092.D
Instrument ID: BNA_F

Contract: NOBI03
SDG NO.: Q2558
DFTPP Injection Date: 07/15/2025
DFTPP Injection Time: 12:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	77.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143093.D	07/15/2025	13:04
SSTDICC005	SSTDICC005	BF143094.D	07/15/2025	13:35
SSTDICC010	SSTDICC010	BF143095.D	07/15/2025	14:05
SSTDICC020	SSTDICC020	BF143096.D	07/15/2025	14:36
SSTDICCC040	SSTDICCC040	BF143097.D	07/15/2025	15:05
SSTDICC050	SSTDICC050	BF143098.D	07/15/2025	15:35
SSTDICC060	SSTDICC060	BF143099.D	07/15/2025	16:05
SSTDICC080	SSTDICC080	BF143100.D	07/15/2025	16:35



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143116.D
Instrument ID: BNA_F

Contract: NOBI03
SDG NO.: Q2558
DFTPP Injection Date: 07/16/2025
DFTPP Injection Time: 19:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.9) 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	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	79.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143117.D	07/16/2025	19:39
TP-17MS	Q2571-05MS	BF143131.D	07/17/2025	02:34
TP-17MSD	Q2571-05MSD	BF143132.D	07/17/2025	03:03
OU4-TS-Denali-070925	Q2558-01	BF143134.D	07/17/2025	04:02
OU4-TS-Grillo-OG-070925	Q2558-03	BF143136.D	07/17/2025	05:00
SSTDCCC040EC	SSTDCCC040	BF143137.D	07/17/2025	05:30



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143138.D
Instrument ID: BNA_F

Contract: NOBI03
SDG NO.: Q2558
DFTPP Injection Date: 07/17/2025
DFTPP Injection Time: 09:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.6
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
SSTDICC2.5	SSTDICC2.5	BF143140.D	07/17/2025	11:04
SSTDICC005	SSTDICC005	BF143141.D	07/17/2025	11:34
SSTDICC010	SSTDICC010	BF143142.D	07/17/2025	12:04
SSTDICC020	SSTDICC020	BF143143.D	07/17/2025	12:34
SSTDICCC040	SSTDICCC040	BF143144.D	07/17/2025	13:03
SSTDICC050	SSTDICC050	BF143145.D	07/17/2025	13:33
SSTDICC060	SSTDICC060	BF143146.D	07/17/2025	14:04
SSTDICC080	SSTDICC080	BF143147.D	07/17/2025	14:34
PB168813BL	PB168813BL	BF143149.D	07/17/2025	15:36
SSTDCCC040EC	SSTDCCC040	BF143157.D	07/17/2025	19:37



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143176.D
Instrument ID: BNA_F

Contract: NOBI03
SDG NO.: Q2558
DFTPP Injection Date: 07/22/2025
DFTPP Injection Time: 07:48

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 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	81.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143177.D	07/22/2025	08:46
PB168813BS	PB168813BS	BF143179.D	07/22/2025	09:44
SSTDCCC040EC	SSTDCCC040	BF143187.D	07/22/2025	13:55

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2558

Client ID : SSTDCCC040

Date Analyzed: 07/16/2025

Lab File ID: BF143117.D

Time Analyzed: 19:39

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	135149	6.969	510164	8.25	254065	10.00
UPPER LIMIT	270298	7.469	1020330	8.751	508130	10.504
LOWER LIMIT	67574.5	6.469	255082	7.751	127033	9.504
EPA SAMPLE NO.						
01 OU4-TS-Denali-070925	148809	6.97	543974	8.25	239712	10.00
02 OU4-TS-Grillo-OG-070925	142532	6.97	490921	8.25	206095	10.00
03 TP-17MS	153802	6.97	579798	8.25	274749	10.00
04 TP-17MSD	154642	6.97	573690	8.25	274130	10.00

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.: Q2558

Client ID: SSTDCCC040

Date Analyzed: 07/16/2025

Lab File ID: BF143117.D

Time Analyzed: 19:39

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	397173	11.492	210714	14.127	255524	15.633
UPPER LIMIT	794346	11.992	421428	14.627	511048	16.133
LOWER LIMIT	198587	10.992	105357	13.627	127762	15.133
EPA SAMPLE NO.						
01 OU4-TS-Denali-070925	333996	11.49	302047	14.13	277642	15.63
02 OU4-TS-Grillo-OG-070925	317891	11.49	291247	14.13	224121	15.64
03 TP-17MS	404136	11.49	268901	14.13	324370	15.64
04 TP-17MSD	404556	11.49	270975	14.13	316202	15.64

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.: Q2558

Client ID : SSTDICCC040

Date Analyzed: 07/17/2025

Lab File ID: BF143144.D

Time Analyzed: 13:03

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	167098	6.963	641413	8.25	331881	10.00
UPPER LIMIT	334196	7.463	1282830	8.745	663762	10.498
LOWER LIMIT	83549	6.463	320707	7.745	165941	9.498
EPA SAMPLE NO.						
01 PB168813BL	146767	6.96	569126	8.24	303459	10.00

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.: Q2558

Client ID: SSTDICCC040

Date Analyzed: 07/17/2025

Lab File ID: BF143144.D

Time Analyzed: 13:03

Instrument ID: BNA_F

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

01

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	542726	11.486	296414	14.121	323574	15.621
UPPER LIMIT	1085450	11.986	592828	14.621	647148	16.121
LOWER LIMIT	271363	10.986	148207	13.621	161787	15.121
EPA SAMPLE NO.						
PB168813BL	522570	11.48	289033	14.12	289854	15.62

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.: Q2558

Client ID : SSTDCCC040

Date Analyzed: 07/22/2025

Lab File ID: BF143177.D

Time Analyzed: 08:46

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	137586	6.963	540273	8.25	287067	10.00
UPPER LIMIT	275172	7.463	1080550	8.745	574134	10.504
LOWER LIMIT	68793	6.463	270137	7.745	143534	9.504
EPA SAMPLE NO.						
01 PB168813BS	148818	6.96	576425	8.25	308303	10.00

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.: Q2558

Client ID: SSTDCCC040

Date Analyzed: 07/22/2025

Lab File ID: BF143177.D

Time Analyzed: 08:46

Instrument ID: BNA_F

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

01

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	481775	11.486	251217	14.127	256275	15.633
UPPER LIMIT	963550	11.986	502434	14.627	512550	16.133
LOWER LIMIT	240888	10.986	125609	13.627	128138	15.133
EPA SAMPLE NO.						
PB168813BS	540032	11.49	276421	14.13	278917	15.63

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Denali-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143134.D	1	07/11/25 09:50	07/17/25 04:02	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.16	U	0.029	0.16	0.21	mg/Kg
91-57-6	2-Methylnaphthalene	0.16	U	0.032	0.16	0.21	mg/Kg
208-96-8	Acenaphthylene	0.16	U	0.036	0.16	0.21	mg/Kg
83-32-9	Acenaphthene	0.16	U	0.027	0.16	0.21	mg/Kg
86-73-7	Fluorene	0.16	U	0.032	0.16	0.21	mg/Kg
85-01-8	Phenanthrene	0.16	U	0.026	0.16	0.21	mg/Kg
120-12-7	Anthracene	0.16	U	0.042	0.16	0.21	mg/Kg
206-44-0	Fluoranthene	0.12	J	0.038	0.16	0.21	mg/Kg
129-00-0	Pyrene	0.16	U	0.045	0.16	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	0.16	U	0.029	0.16	0.21	mg/Kg
218-01-9	Chrysene	0.16	U	0.025	0.16	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.12	J	0.024	0.16	0.21	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.16	U	0.028	0.16	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	0.16	U	0.037	0.16	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.16	U	0.037	0.16	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16	U	0.034	0.16	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.16	U	0.032	0.16	0.21	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	52.4		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.3		44 - 115		46%	SPK: 100
1718-51-0	Terphenyl-d14	28.5	*	54 - 127		28%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	149000		6.969			
1146-65-2	Naphthalene-d8	544000		8.245			
15067-26-2	Acenaphthene-d10	240000		10.004			
1517-22-2	Phenanthrene-d10	334000		11.486			
1719-03-5	Chrysene-d12	302000		14.127			
1520-96-3	Perylene-d12	278000		15.633			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Denali-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143134.D	1	07/11/25 09:50	07/17/25 04:02	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

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\BF071625\
 Data File : BF143134.D
 Acq On : 17 Jul 2025 04:02
 Operator : RC/JU
 Sample : Q2558-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Denali-070925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/17/2025
 Supervised By :Jagrut Upadhyay 07/17/2025

Quant Time: Jul 17 04:46:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	148809	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	543974	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	239712	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	333996	20.000	ng	0.00
76) Chrysene-d12	14.127	240	302047	20.000	ng	0.00
86) Perylene-d12	15.633	264	277642	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	631556	67.054	ng	0.00
7) Phenol-d6	6.581	99	824463	69.638	ng	0.00
23) Nitrobenzene-d5	7.522	82	508212	52.410	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	99201	46.412	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	835214	46.315	ng	0.00
79) Terphenyl-d14	13.069	244	588719	28.492	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.904	122	1120	6.744	ng	90
75) Fluoranthene	12.698	202	46789	2.855	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	17165	5.289	ng	96
88) Benzo(b)fluoranthene	15.186	252	45371m	2.833	ng	

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

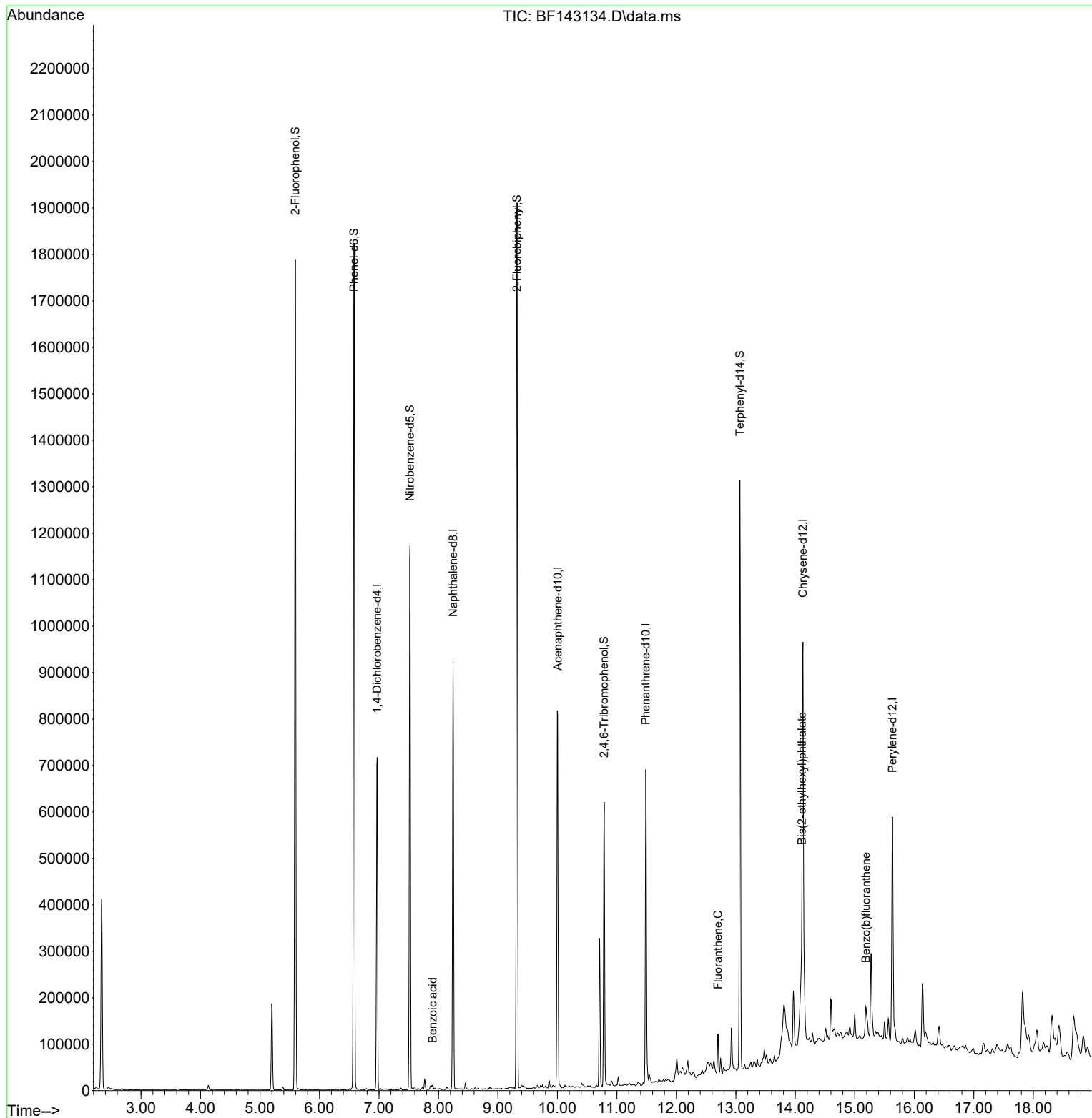
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143134.D
Acq On : 17 Jul 2025 04:02
Operator : RC/JU
Sample : Q2558-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

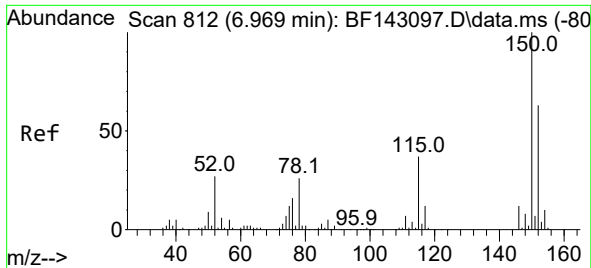
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

Quant Time: Jul 17 04:46:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

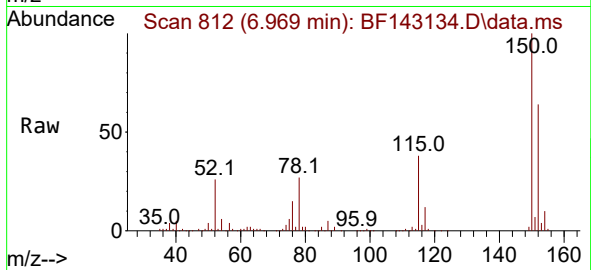
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

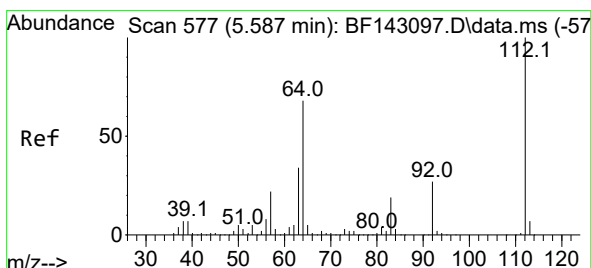
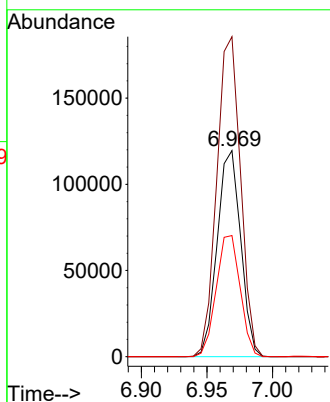
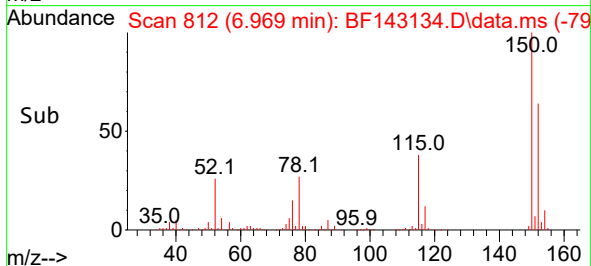
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925



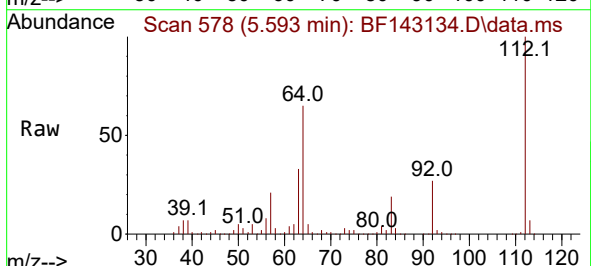
Tgt Ion:152 Resp: 148809
Ion Ratio Lower Upper
152 100
150 155.3 126.5 189.7
115 58.8 47.0 70.6

Manual Integrations
APPROVED

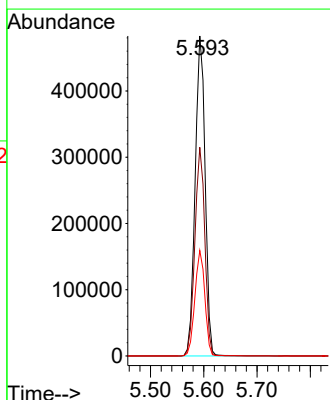
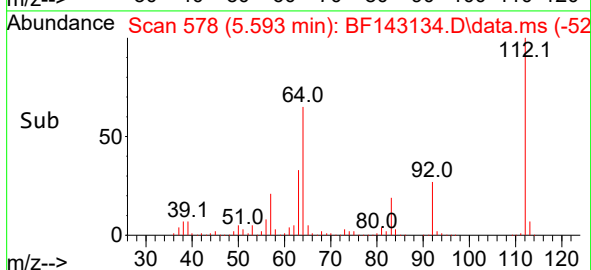
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

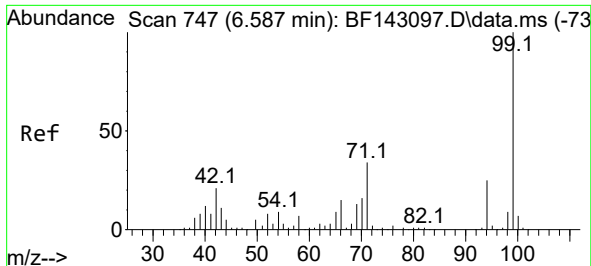


#5
2-Fluorophenol
Concen: 67.054 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02



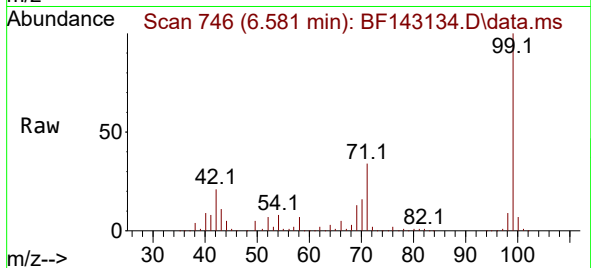
Tgt Ion:112 Resp: 631556
Ion Ratio Lower Upper
112 100
64 65.2 54.6 82.0
63 33.0 27.3 40.9





#7
Phenol-d6
Concen: 69.638 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

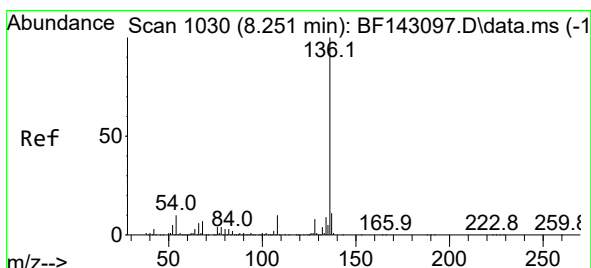
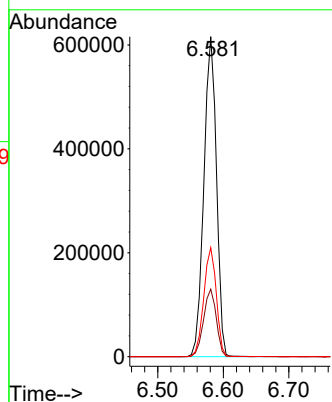
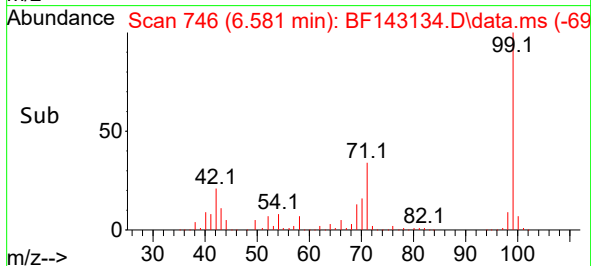
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925



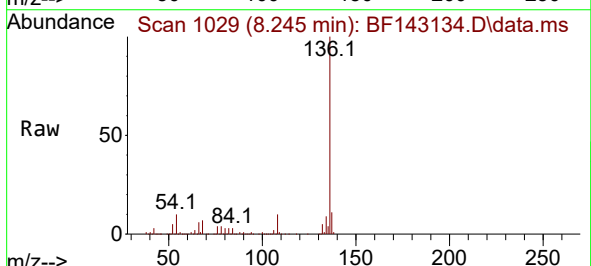
Tgt Ion: 99 Resp: 82446
Ion Ratio Lower Upper
99 100
42 21.1 17.2 25.8
71 34.1 27.4 41.0

Manual Integrations
APPROVED

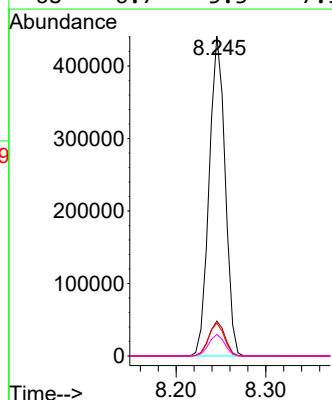
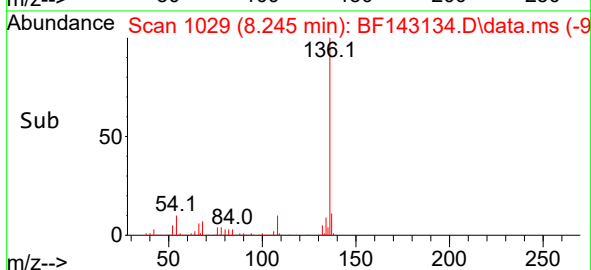
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

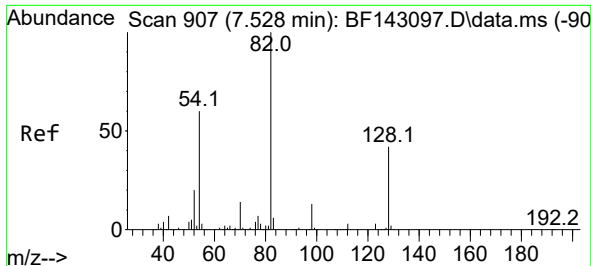


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02



Tgt Ion:136 Resp: 543974
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.2 8.3 12.5
68 6.7 5.3 7.9





#23

Nitrobenzene-d5

Concen: 52.410 ng

RT: 7.522 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Denali-070925

Tgt Ion: 82 Resp: 50821

Ion Ratio Lower Upper

82 100

128 42.5 33.3 49.9

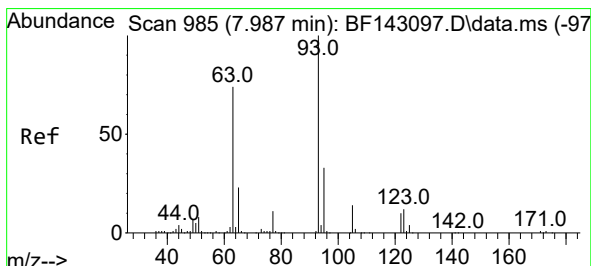
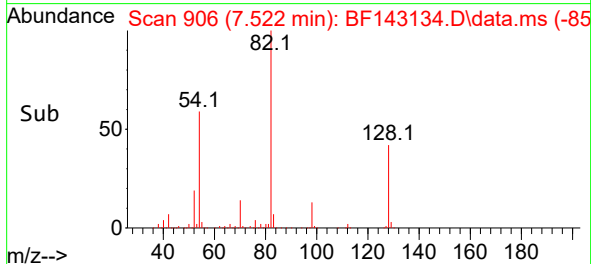
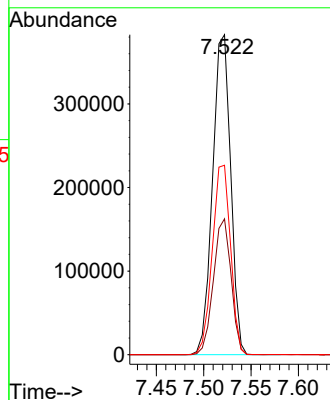
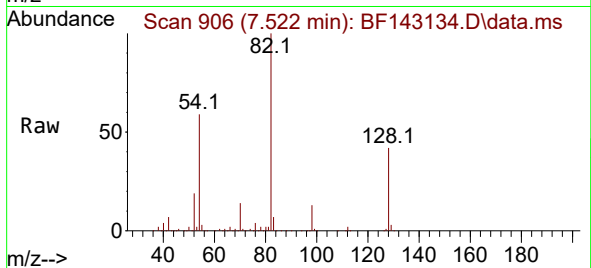
54 59.2 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#32

Benzoic acid

Concen: 6.744 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.083 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

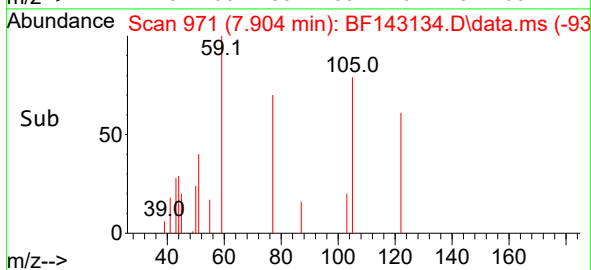
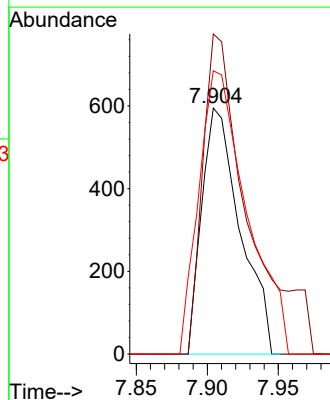
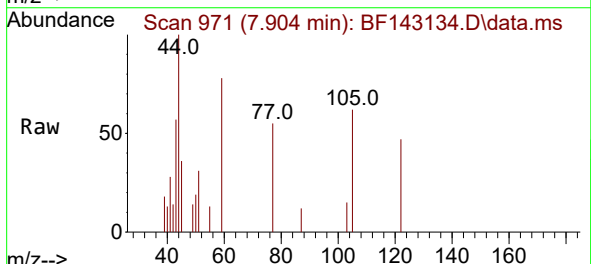
Tgt Ion:122 Resp: 1120

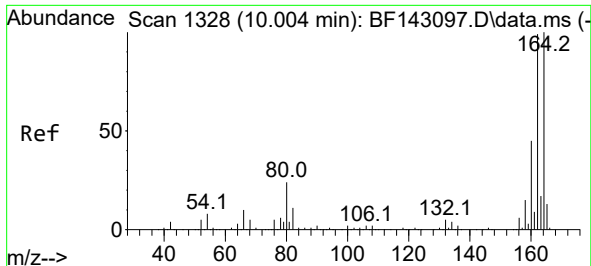
Ion Ratio Lower Upper

122 100

105 130.1 105.4 145.4

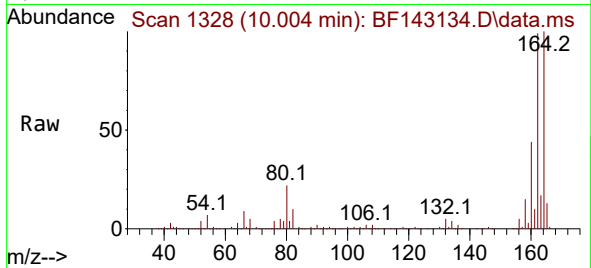
77 115.1 78.6 118.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

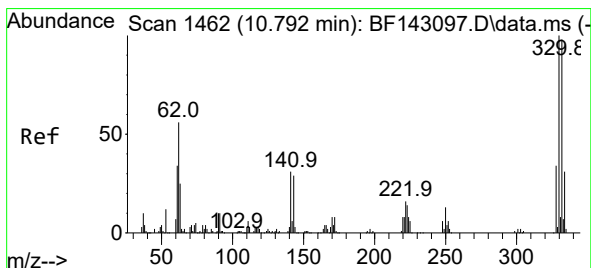
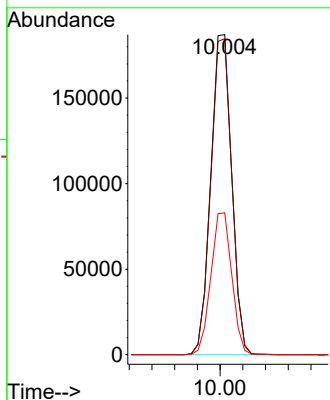
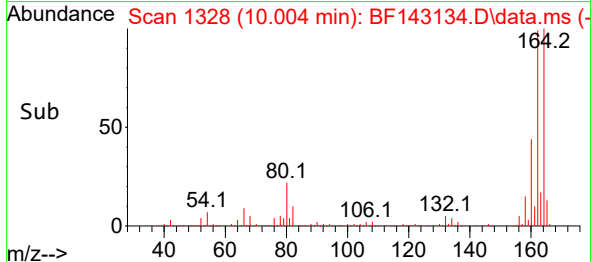
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925



Tgt Ion:164 Resp: 239712
Ion Ratio Lower Upper
164 100
162 98.7 79.0 118.6
160 44.4 35.8 53.6

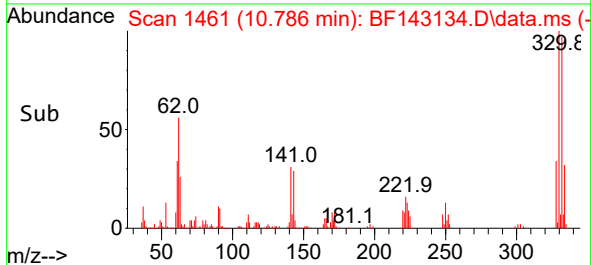
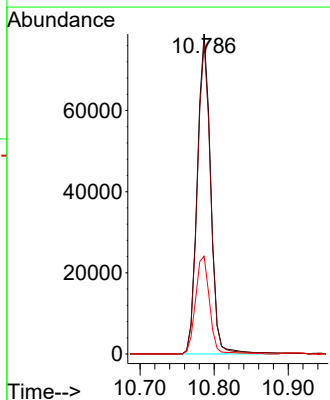
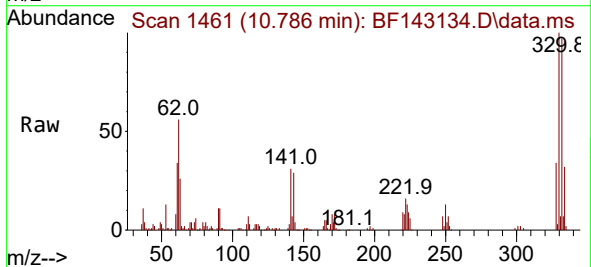
Manual Integrations
APPROVED

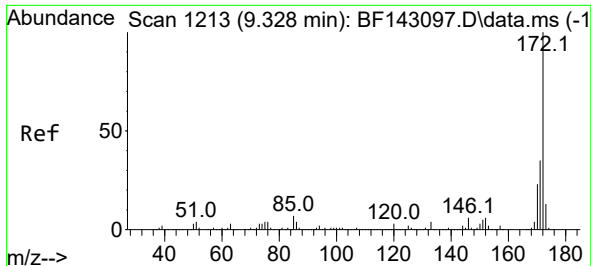
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#42
2,4,6-Tribromophenol
Concen: 46.412 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:330 Resp: 99201
Ion Ratio Lower Upper
330 100
332 97.1 77.9 116.9
141 32.0 25.9 38.9





#45

2-Fluorobiphenyl

Concen: 46.315 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Denali-070925

Tgt Ion:172 Resp: 835214

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

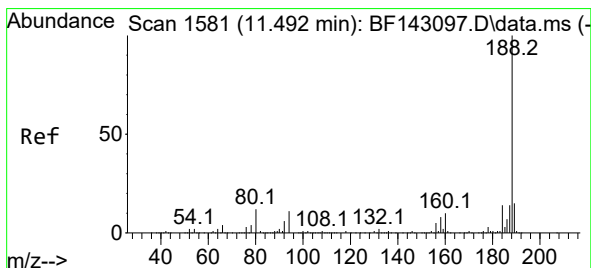
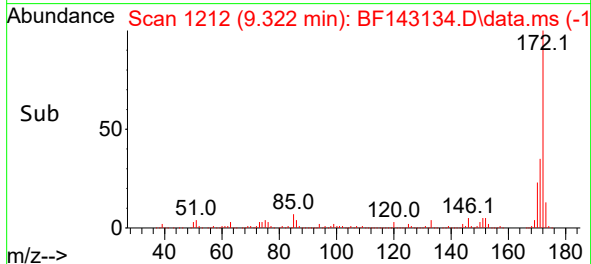
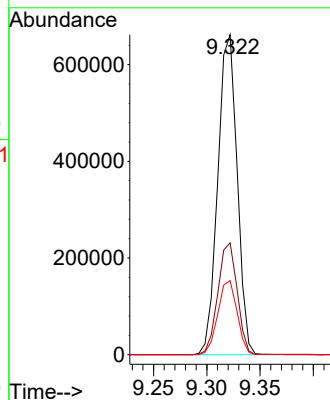
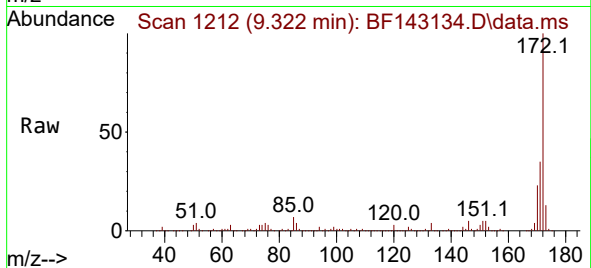
170 23.2 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

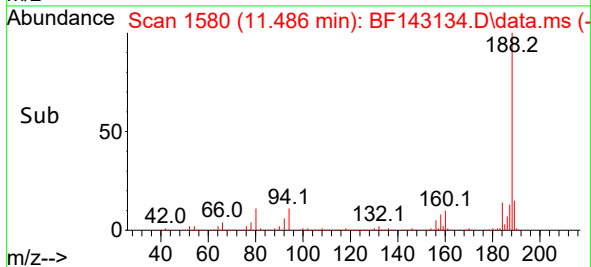
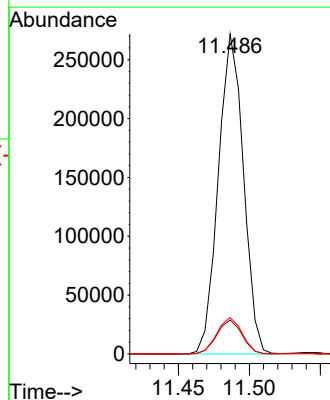
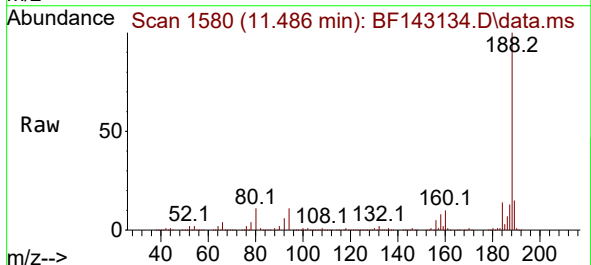
Tgt Ion:188 Resp: 333996

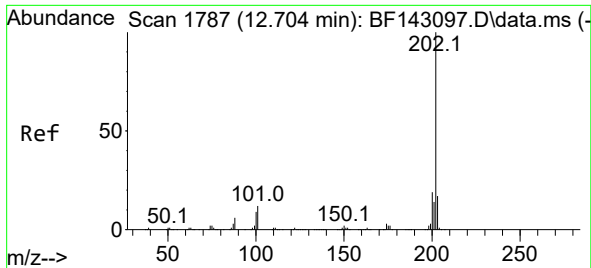
Ion Ratio Lower Upper

188 100

94 10.6 8.6 13.0

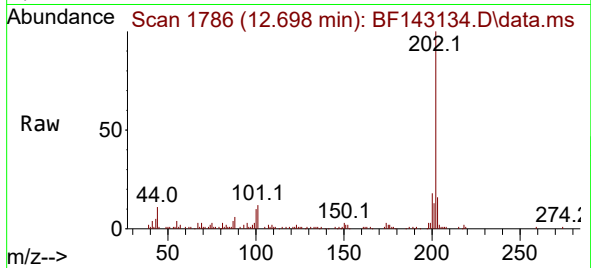
80 11.4 9.3 13.9





#75
Fluoranthene
Concen: 2.855 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

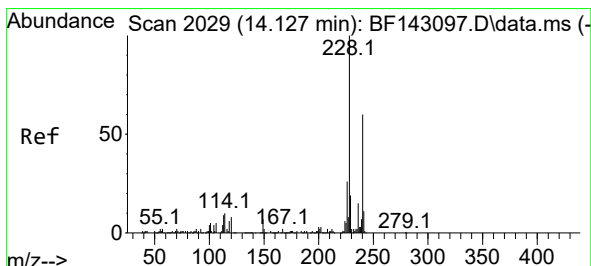
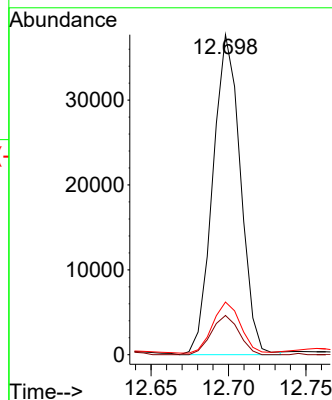
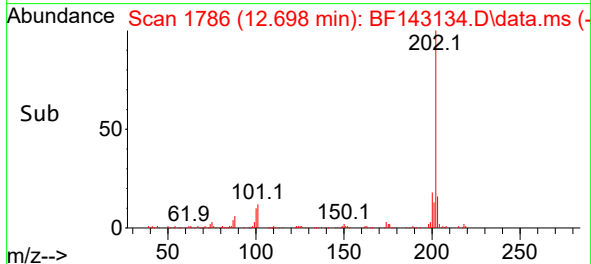
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925



Tgt Ion:202 Resp: 46789
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.4
203 16.4 0.0 37.4

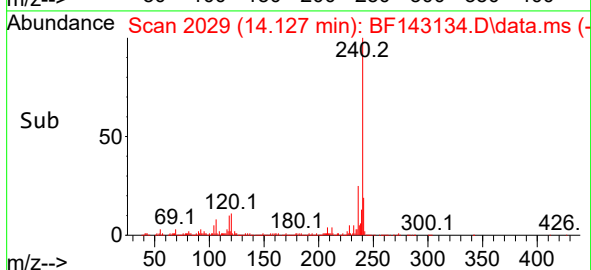
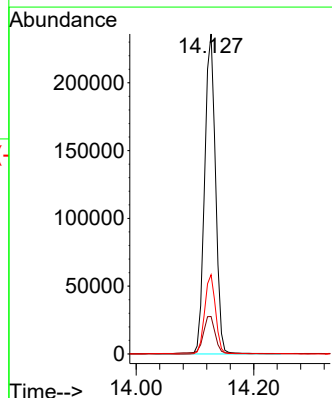
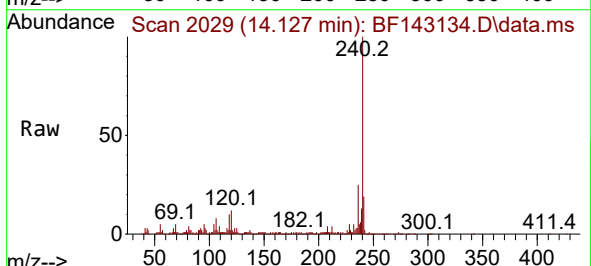
Manual Integrations
APPROVED

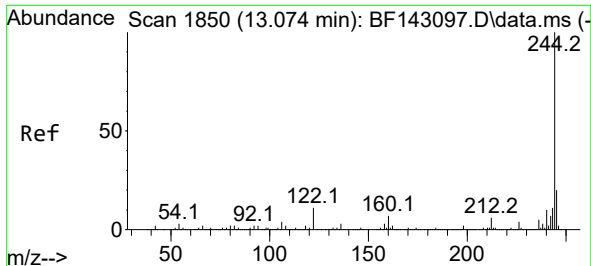
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

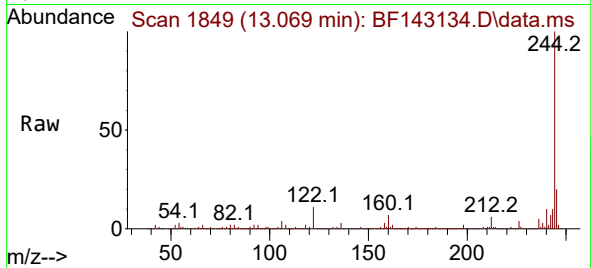
Tgt Ion:240 Resp: 302047
Ion Ratio Lower Upper
240 100
120 11.7 10.0 15.0
236 24.7 20.0 30.0





#79
 Terphenyl-d14
 Concen: 28.492 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. -0.006 min
 Lab File: BF143134.D
 Acq: 17 Jul 2025 04:02

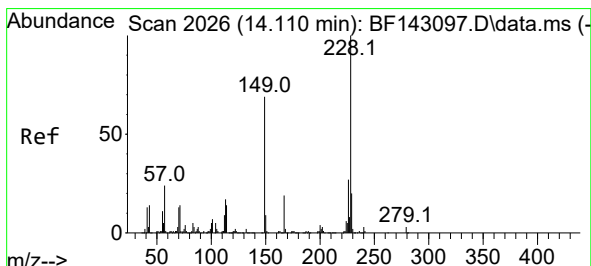
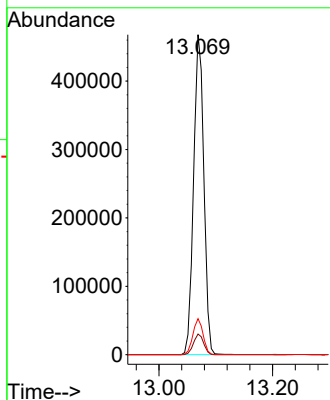
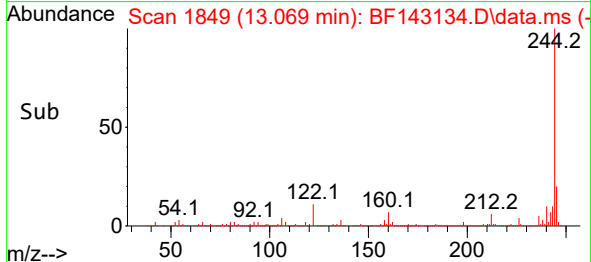
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Denali-070925



Tgt Ion:244 Resp: 588719
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 11.3 8.8 13.2

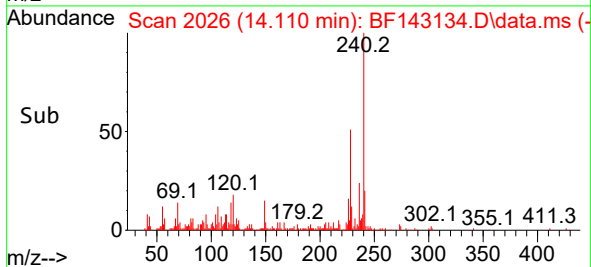
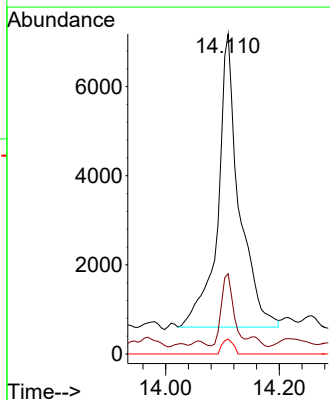
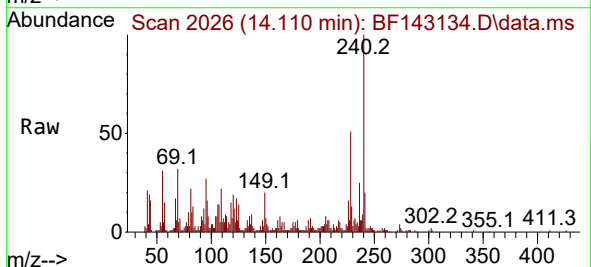
Manual Integrations
 APPROVED

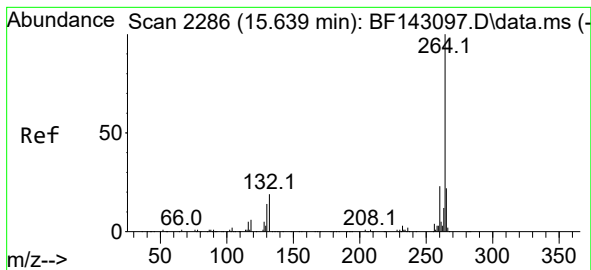
Reviewed By :Rahul Chavli 07/17/2025
 Supervised By :Jagrut Upadhyay 07/17/2025



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.289 ng
 RT: 14.110 min Scan# 2026
 Delta R.T. -0.000 min
 Lab File: BF143134.D
 Acq: 17 Jul 2025 04:02

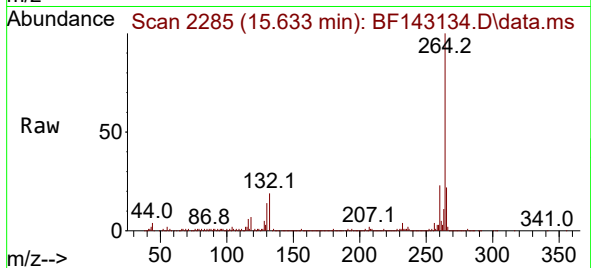
Tgt Ion:149 Resp: 17165
 Ion Ratio Lower Upper
 149 100
 167 25.0 21.9 32.9
 279 4.6 3.4 5.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

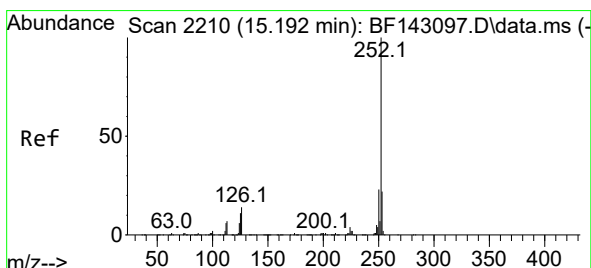
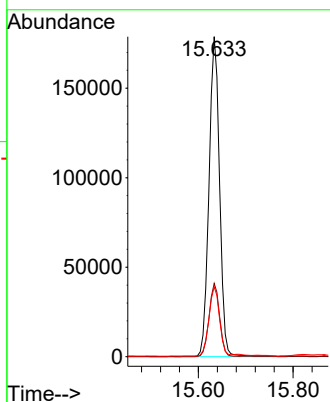
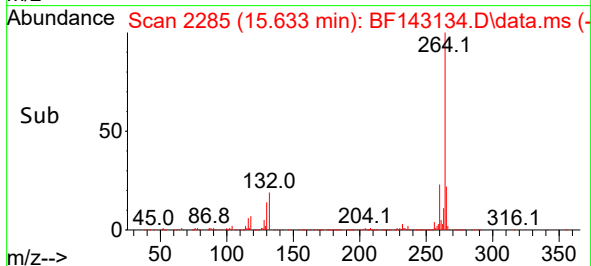
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925



Tgt Ion:264 Resp: 27764
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.9 17.5 26.3

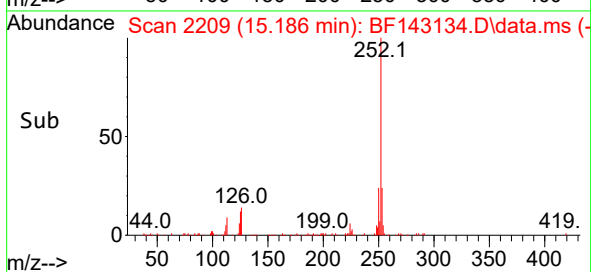
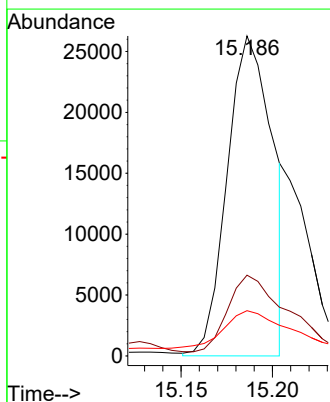
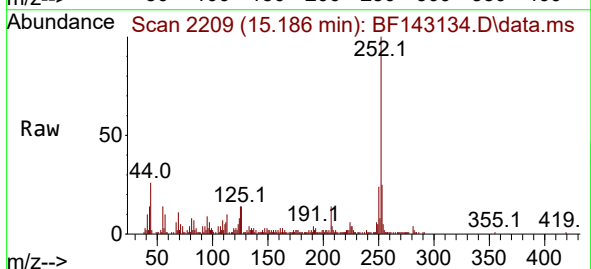
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#88
Benzo(b)fluoranthene
Concen: 2.833 ng m
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:252 Resp: 45371
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 14.1 8.6 13.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143134.D
 Acq On : 17 Jul 2025 04:02
 Operator : RC/JU
 Sample : Q2558-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Denali-070925

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-BF071525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143134.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.340	17	25	33	rVB	410120	660606	26.92%	2.985%
2	5.199	505	511	519	rBV	186031	269825	11.00%	1.219%
3	5.593	572	578	583	rBV	1786557	2323699	94.69%	10.501%
4	6.581	737	746	751	rBV	1822110	2453934	100.00%	11.090%
5	6.969	806	812	817	rVB	715131	908673	37.03%	4.106%
6	7.522	899	906	911	rBV	1170917	1560063	63.57%	7.050%
7	7.769	944	948	955	rVB	20969	24730	1.01%	0.112%
8	8.245	1023	1029	1034	rBV	920515	1137122	46.34%	5.139%
9	9.322	1206	1212	1217	rBV	1906474	2432119	99.11%	10.991%
10	9.998	1322	1327	1332	rBV	810446	1040021	42.38%	4.700%
11	10.710	1443	1448	1453	rBV	318282	384130	15.65%	1.736%
12	10.786	1455	1461	1471	rBV	611699	791684	32.26%	3.578%
13	11.486	1575	1580	1587	rBV	677070	885910	36.10%	4.004%
14	11.545	1587	1590	1596	rVB2	17692	31272	1.27%	0.141%
15	12.010	1660	1669	1673	rBV4	48413	113829	4.64%	0.514%
16	12.104	1682	1685	1692	rVB	14776	30729	1.25%	0.139%
17	12.192	1697	1700	1704	rVB5	24718	32474	1.32%	0.147%
18	12.633	1771	1775	1782	rVB5	25955	50118	2.04%	0.226%
19	12.698	1782	1786	1790	rBV	83970	102963	4.20%	0.465%
20	12.745	1790	1794	1798	rVB	30960	39402	1.61%	0.178%
21	12.792	1799	1802	1810	rBV3	13433	31012	1.26%	0.140%
22	12.927	1820	1825	1840	rVB	91807	146804	5.98%	0.663%
23	13.069	1844	1849	1856	rVB	1267147	1605709	65.43%	7.257%
24	13.810	1971	1975	1997	rVB10	89811	362196	14.76%	1.637%
25	13.969	1998	2002	2010	rBV2	119133	185057	7.54%	0.836%
26	14.127	2018	2029	2041	rVB	856610	1735236	70.71%	7.842%
27	14.598	2105	2109	2114	rBV	83925	134860	5.50%	0.609%
28	14.998	2174	2177	2185	rVB	50660	76573	3.12%	0.346%
29	15.186	2205	2209	2219	rVB	60758	138652	5.65%	0.627%
30	15.274	2219	2224	2233	rVB2	177638	292297	11.91%	1.321%
31	15.504	2260	2263	2267	rVB	33780	43969	1.79%	0.199%
32	15.563	2270	2273	2278	rVB	46142	66059	2.69%	0.299%
33	15.633	2279	2285	2301	rVB	483163	810562	33.03%	3.663%
34	16.139	2366	2371	2376	rBV	133088	241048	9.82%	1.089%
35	17.821	2650	2657	2670	rBV4	126169	443069	18.06%	2.002%
36	18.315	2735	2741	2748	rBV2	69580	182771	7.45%	0.826%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143134.D
Acq On : 17 Jul 2025 04:02
Operator : RC/JU
Sample : Q2558-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

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-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.680	2797	2803	2823	rBV5	82462	358681	14.62%	1.621%
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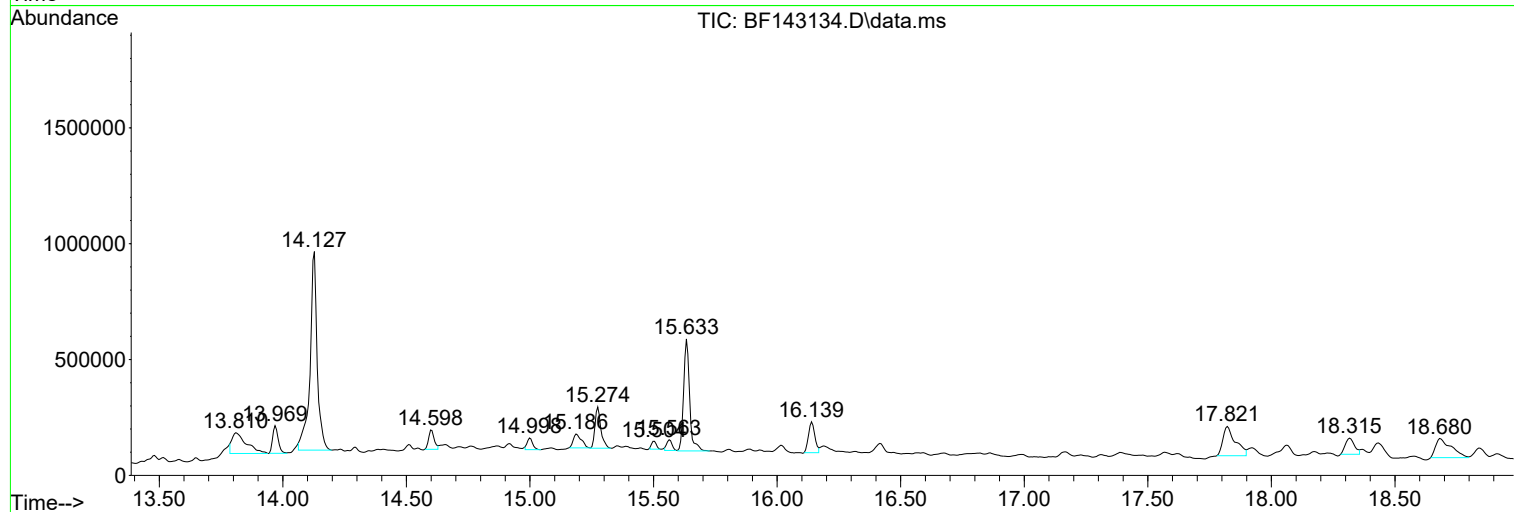
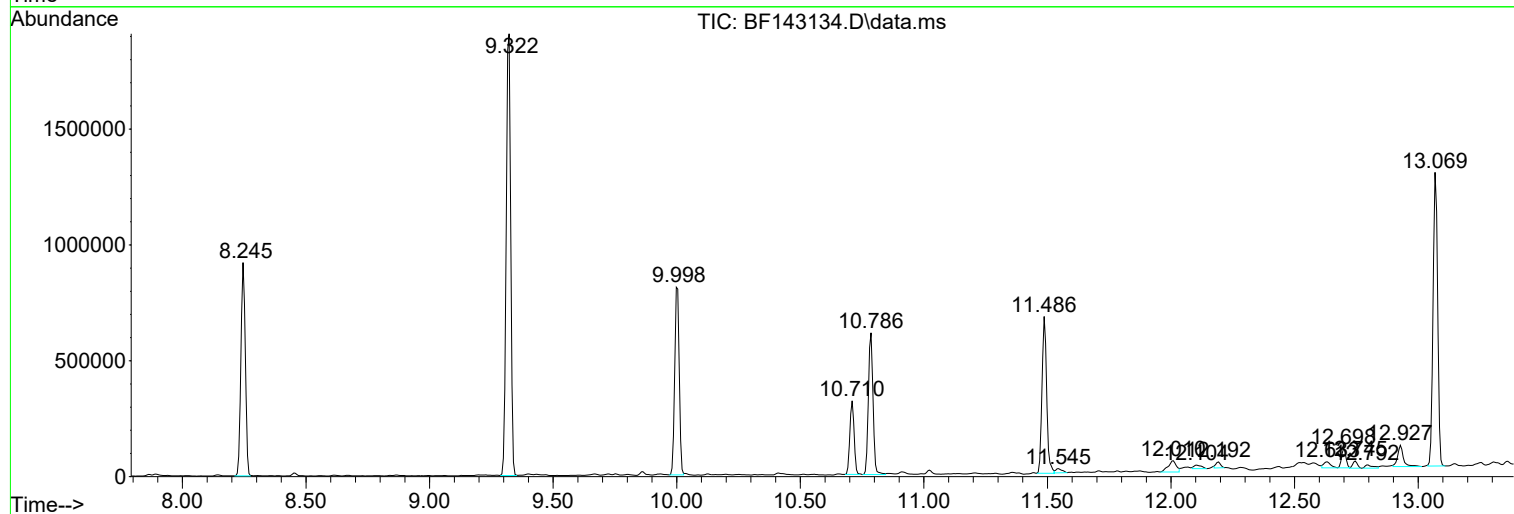
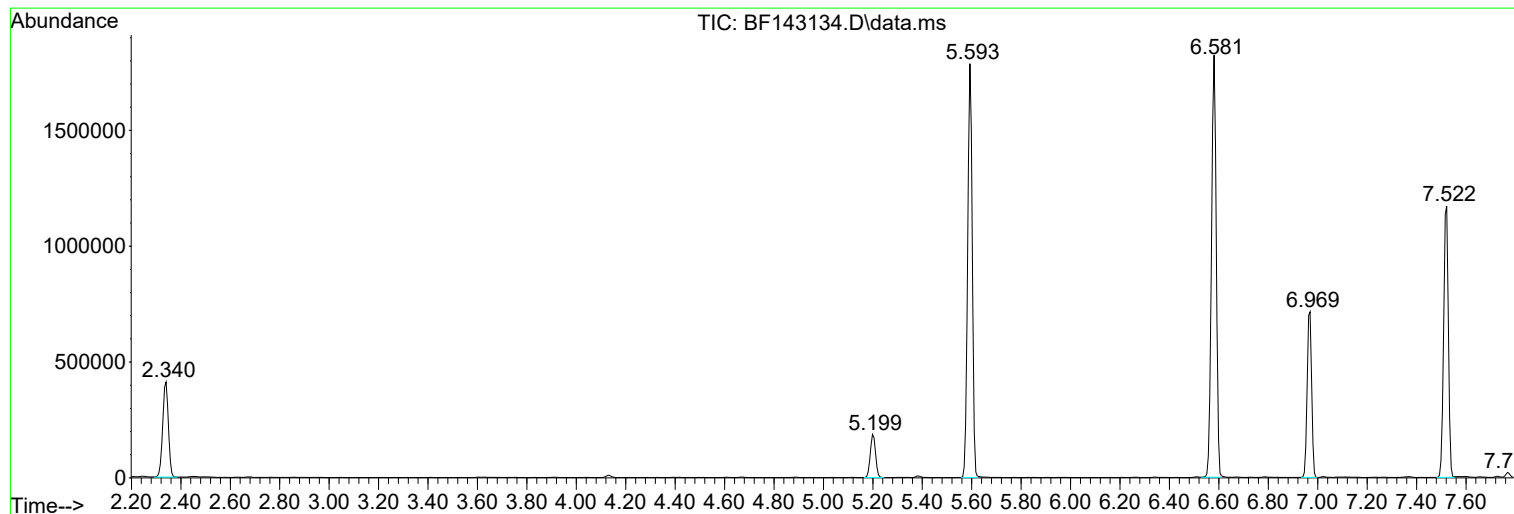
Sum of corrected areas: 22127858

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143134.D
Acq On : 17 Jul 2025 04:02
Operator : RC/JU
Sample : Q2558-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.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\BF071625\
Data File : BF143134.D
Acq On : 17 Jul 2025 04:02
Operator : RC/JU
Sample : Q2558-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.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\BF071625\
Data File : BF143134.D
Acq On : 17 Jul 2025 04:02
Operator : RC/JU
Sample : Q2558-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.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
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Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Grillo-OG-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
Prep Method :	SW3541	GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
		Test:	SVOCMS Group3
		Final Vol:	1000
			uL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143136.D	1	07/11/25 09:50	07/17/25 05:00	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.16	U	0.029	0.16	0.22	mg/Kg
91-57-6	2-Methylnaphthalene	0.16	U	0.033	0.16	0.22	mg/Kg
208-96-8	Acenaphthylene	0.16	U	0.037	0.16	0.22	mg/Kg
83-32-9	Acenaphthene	0.16	U	0.027	0.16	0.22	mg/Kg
86-73-7	Fluorene	0.16	U	0.032	0.16	0.22	mg/Kg
85-01-8	Phenanthrene	0.16	U	0.027	0.16	0.22	mg/Kg
120-12-7	Anthracene	0.16	U	0.042	0.16	0.22	mg/Kg
206-44-0	Fluoranthene	0.27		0.038	0.16	0.22	mg/Kg
129-00-0	Pyrene	0.14	J	0.046	0.16	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	0.11	J	0.029	0.16	0.22	mg/Kg
218-01-9	Chrysene	0.11	J	0.025	0.16	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.16	J	0.024	0.16	0.22	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.16	U	0.028	0.16	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	0.11	J	0.037	0.16	0.22	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.16	U	0.037	0.16	0.22	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16	U	0.035	0.16	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.16	U	0.033	0.16	0.22	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	56.5		37 - 122		57%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.7		44 - 115		50%	SPK: 100
1718-51-0	Terphenyl-d14	32.8	*	54 - 127		33%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	143000		6.969			
1146-65-2	Naphthalene-d8	491000		8.245			
15067-26-2	Acenaphthene-d10	206000		10.004			
1517-22-2	Phenanthrene-d10	318000		11.486			
1719-03-5	Chrysene-d12	291000		14.127			
1520-96-3	Perylene-d12	224000		15.639			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-Grillo-OG-070925	SDG No.:	Q2558
Lab Sample ID:	Q2558-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143136.D	1	07/11/25 09:50	07/17/25 05:00	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

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\BF071625\
 Data File : BF143136.D
 Acq On : 17 Jul 2025 05:00
 Operator : RC/JU
 Sample : Q2558-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Grillo-OG-070925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/17/2025
 Supervised By :Jagrut Upadhyay 07/17/2025

Quant Time: Jul 17 05:17:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	142532	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	490921	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	206095	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	317891	20.000	ng	0.00
76) Chrysene-d12	14.127	240	291247	20.000	ng	0.00
86) Perylene-d12	15.639	264	224121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	622688	69.024	ng	0.00
7) Phenol-d6	6.581	99	799908	70.539	ng	0.00
23) Nitrobenzene-d5	7.522	82	494539	56.512	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	121703	66.228	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	769826	49.653	ng	0.00
79) Terphenyl-d14	13.075	244	652972	32.774	ng	0.00
Target Compounds						
32) Benzoic acid	7.916	122	5024	7.631	ng	89
75) Fluoranthene	12.698	202	98156	6.292	ng	100
78) Pyrene	12.928	202	89660	3.318	ng	98
81) Benzo(a)anthracene	14.116	228	48640	2.506	ng	# 93
83) Chrysene	14.151	228	47737	2.671	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.110	149	31813	7.020	ng	94
88) Benzo(b)fluoranthene	15.192	252	48558m	3.756	ng	
90) Benzo(a)pyrene	15.569	252	31369	2.566	ng	# 87

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

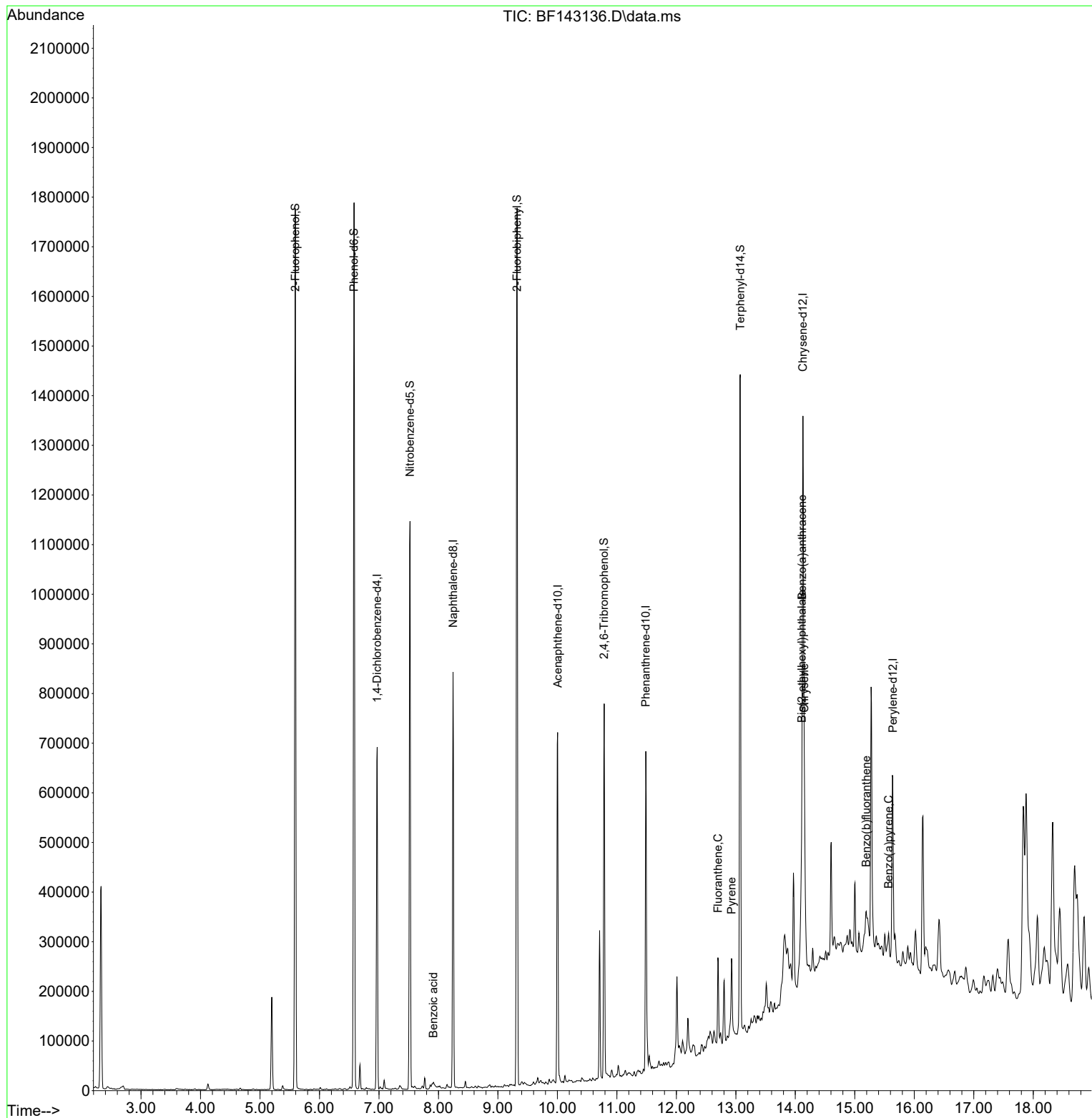
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143136.D
Acq On : 17 Jul 2025 05:00
Operator : RC/JU
Sample : Q2558-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

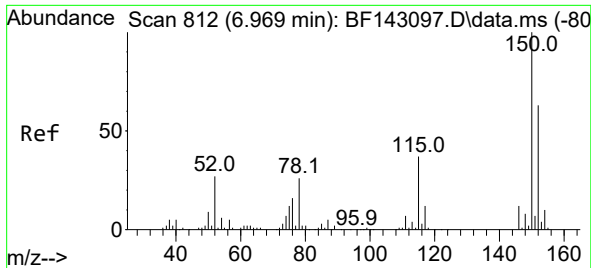
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

Quant Time: Jul 17 05:17:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

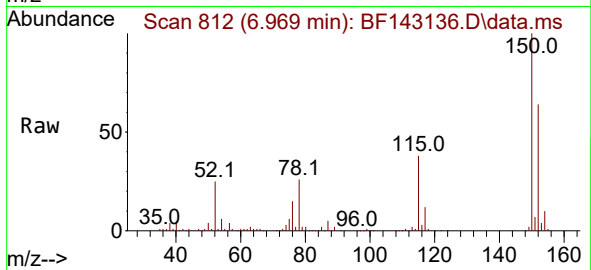
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

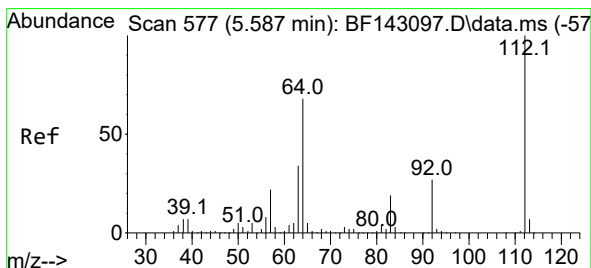
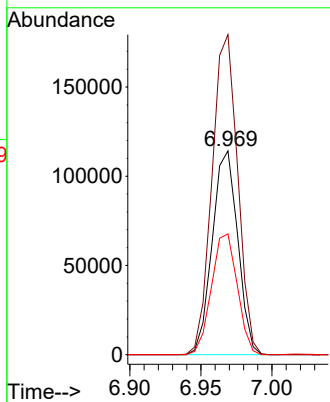
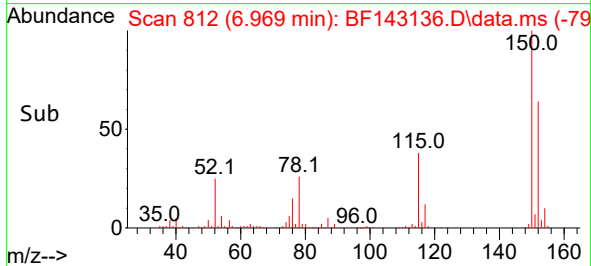
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925



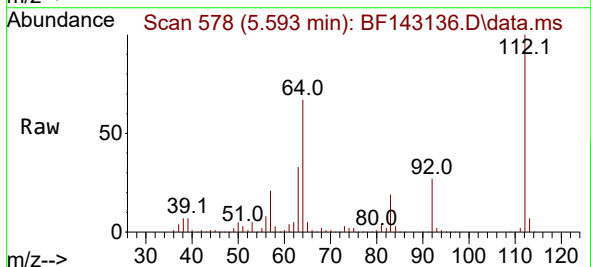
Tgt Ion:152 Resp: 142532
Ion Ratio Lower Upper
152 100
150 157.0 126.5 189.7
115 59.3 47.0 70.6

Manual Integrations
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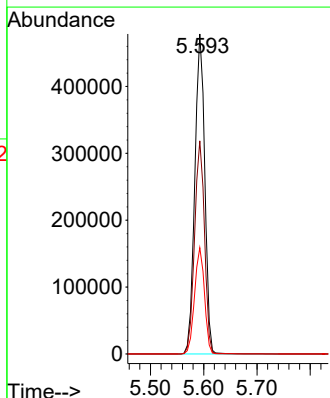
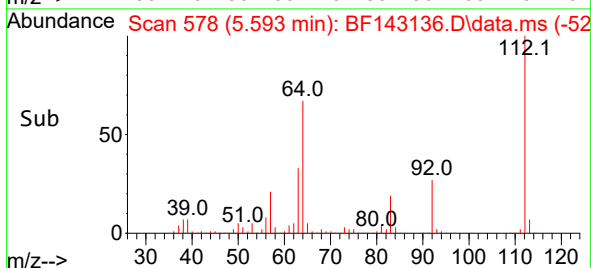
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

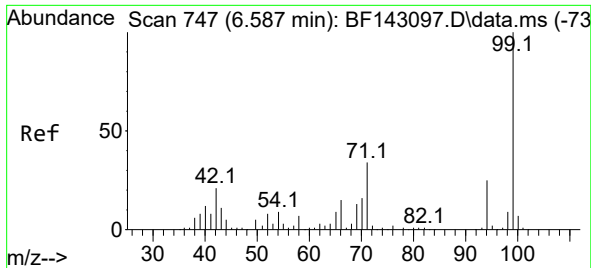


#5
2-Fluorophenol
Concen: 69.024 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00



Tgt Ion:112 Resp: 622688
Ion Ratio Lower Upper
112 100
64 66.6 54.6 82.0
63 33.2 27.3 40.9





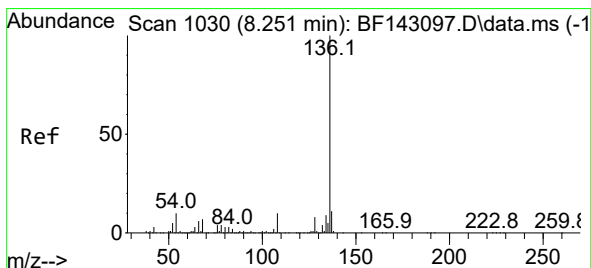
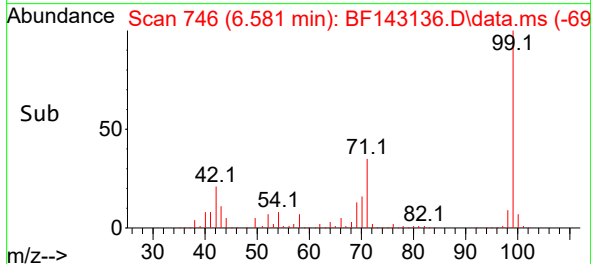
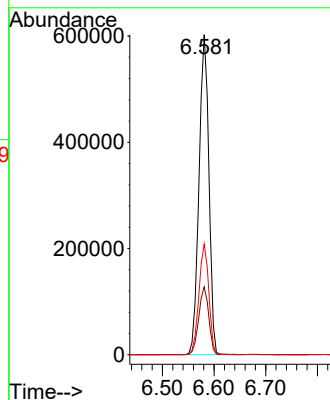
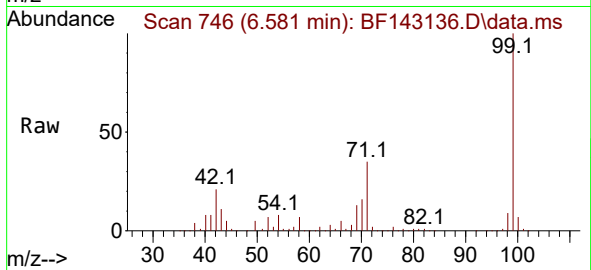
#7
Phenol-d6
Concen: 70.539 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

Tgt Ion: 99 Resp: 799908
Ion Ratio Lower Upper
99 100
42 21.2 17.2 25.8
71 34.6 27.4 41.0

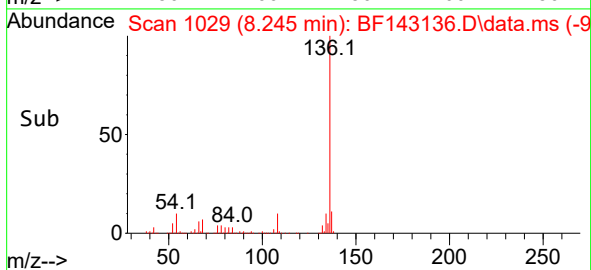
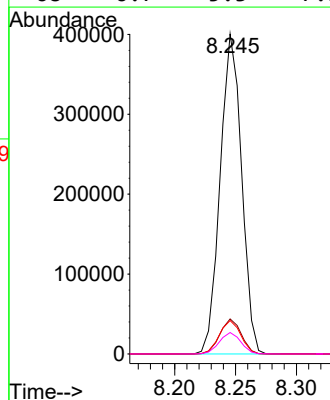
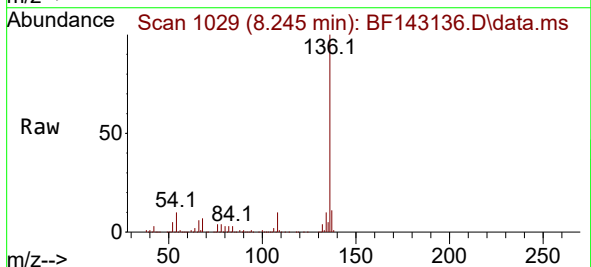
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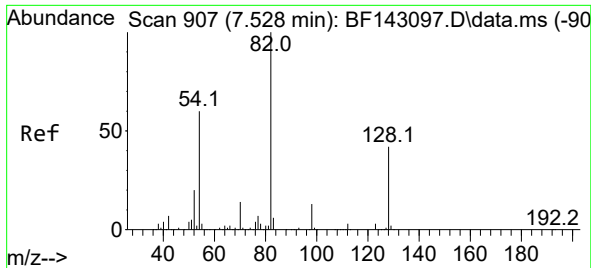
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

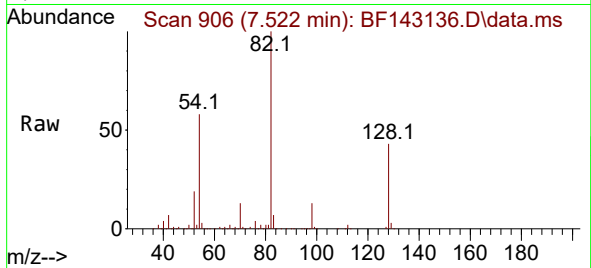
Tgt Ion:136 Resp: 490921
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.5 8.3 12.5
68 6.7 5.3 7.9





#23
Nitrobenzene-d5
Concen: 56.512 ng
RT: 7.522 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

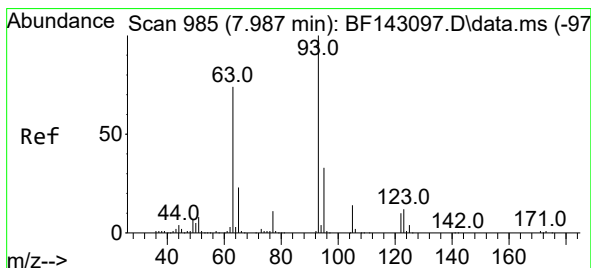
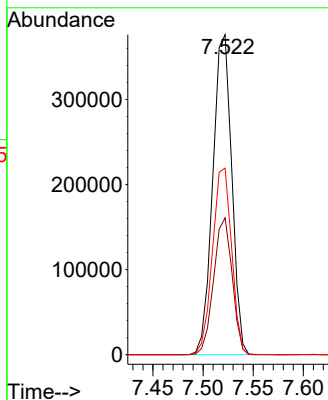
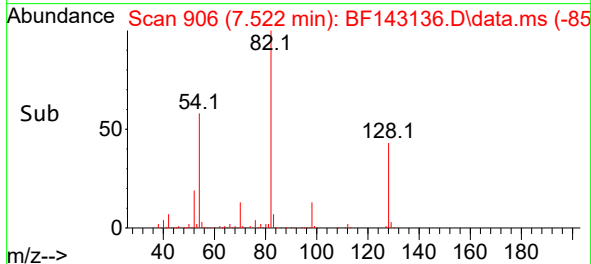
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925



Tgt Ion: 82 Resp: 494539
Ion Ratio Lower Upper
82 100
128 42.8 33.3 49.9
54 58.3 47.4 71.2

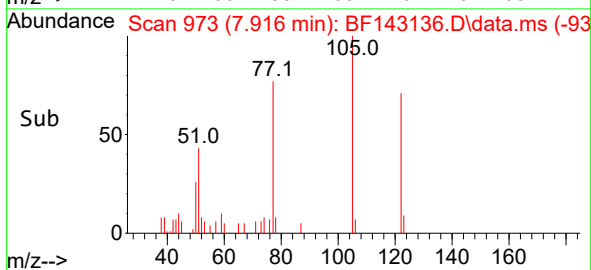
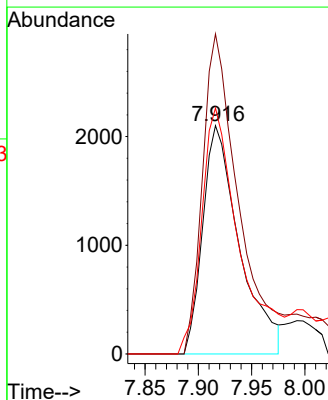
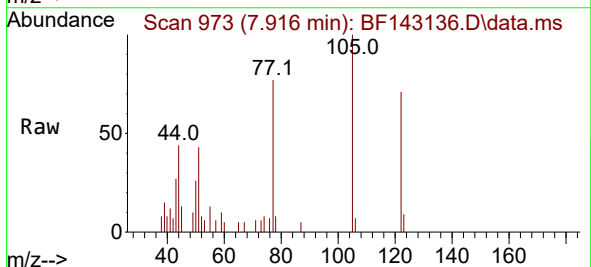
Manual Integrations
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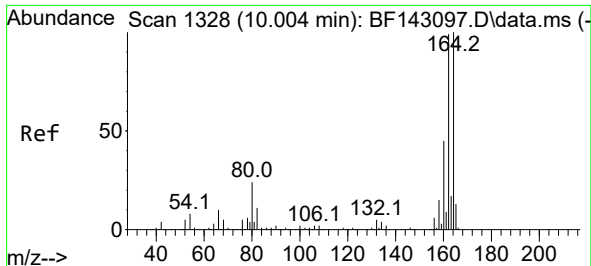
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#32
Benzoic acid
Concen: 7.631 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.071 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

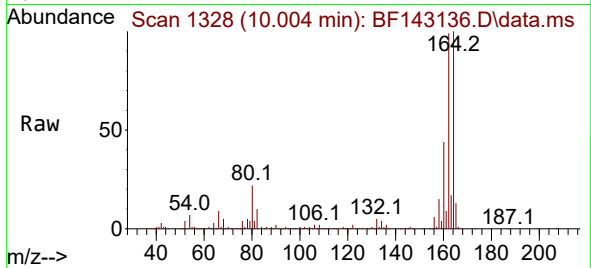
Tgt Ion:122 Resp: 5024
Ion Ratio Lower Upper
122 100
105 140.1 105.4 145.4
77 107.7 78.6 118.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

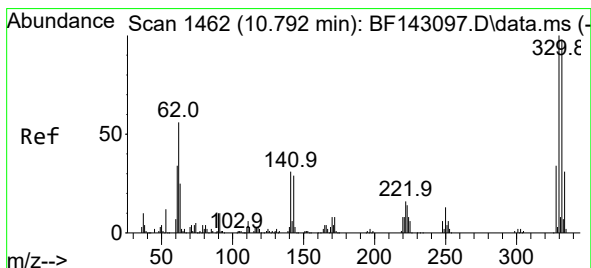
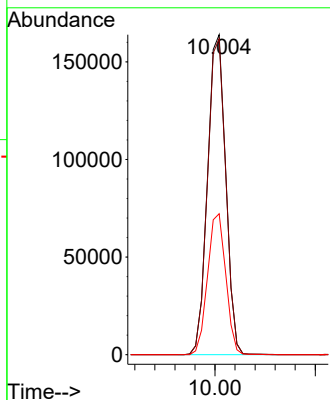
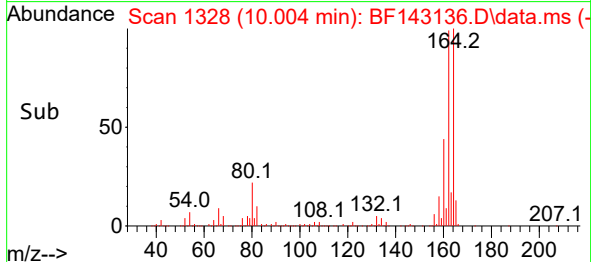
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925



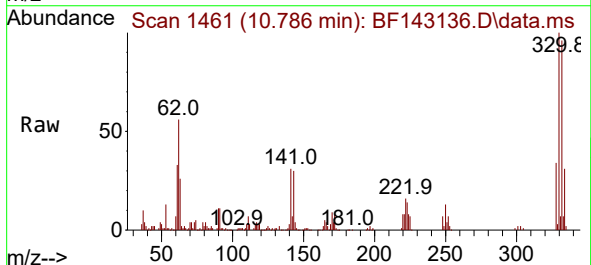
Tgt Ion:164 Resp: 206095
Ion Ratio Lower Upper
164 100
162 98.8 79.0 118.6
160 44.0 35.8 53.6

Manual Integrations
APPROVED

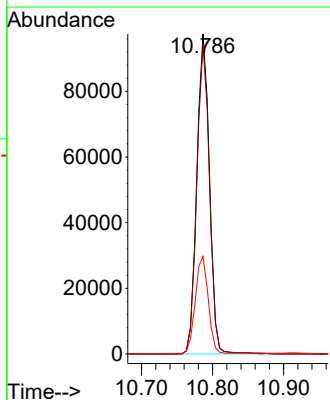
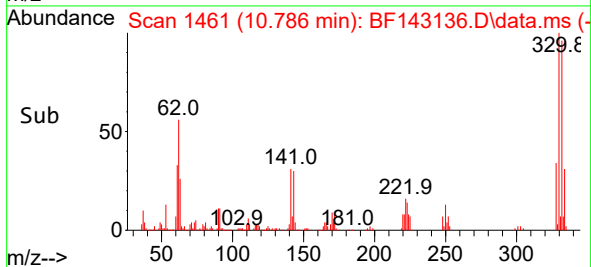
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

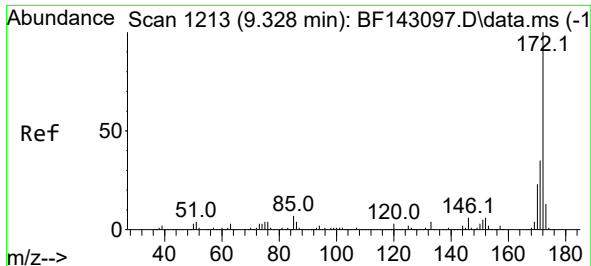


#42
2,4,6-Tribromophenol
Concen: 66.228 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00



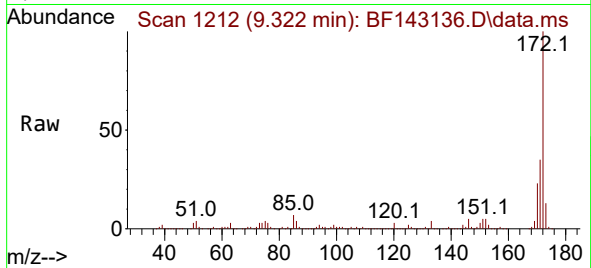
Tgt Ion:330 Resp: 121703
Ion Ratio Lower Upper
330 100
332 96.1 77.9 116.9
141 31.4 25.9 38.9





#45
2-Fluorobiphenyl
Concen: 49.653 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

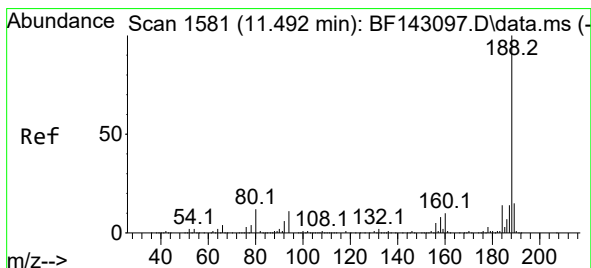
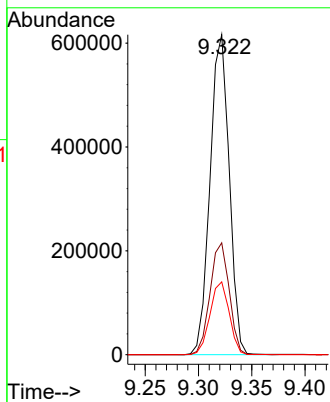
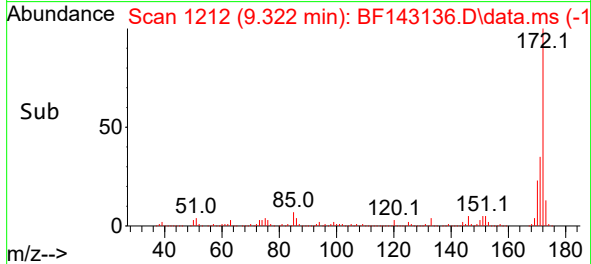
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925



Tgt Ion:172 Resp: 769820
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.7 18.6 28.0

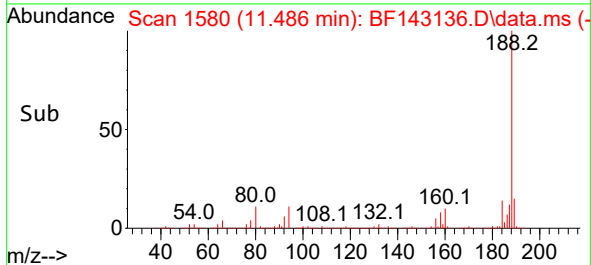
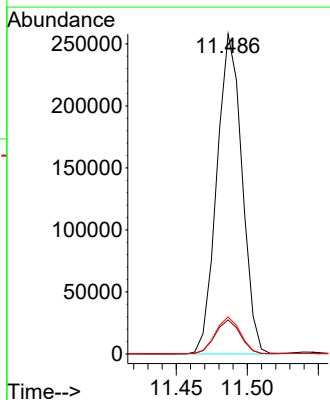
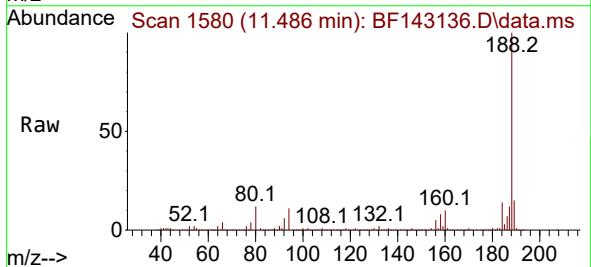
Manual Integrations
APPROVED

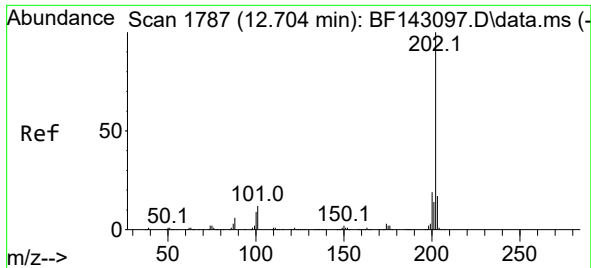
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:188 Resp: 317891
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 11.5 9.3 13.9





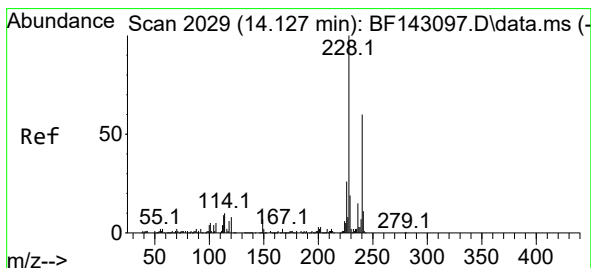
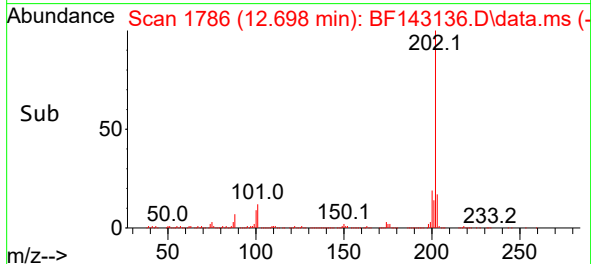
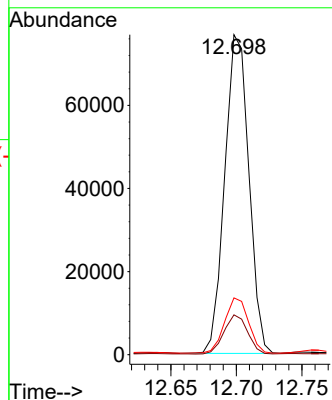
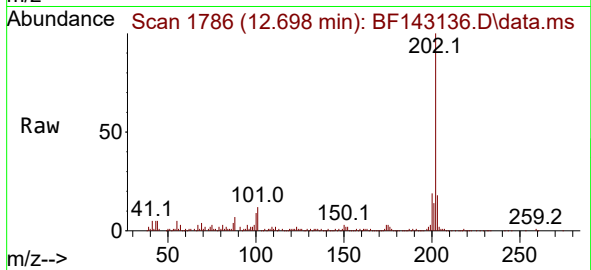
#75
Fluoranthene
Concen: 6.292 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

Tgt Ion:202 Resp: 98150
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.4
203 17.7 0.0 37.4

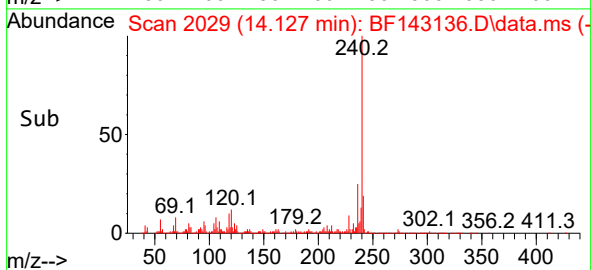
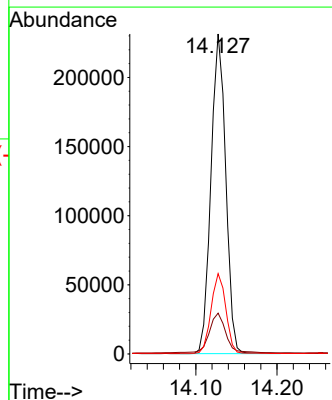
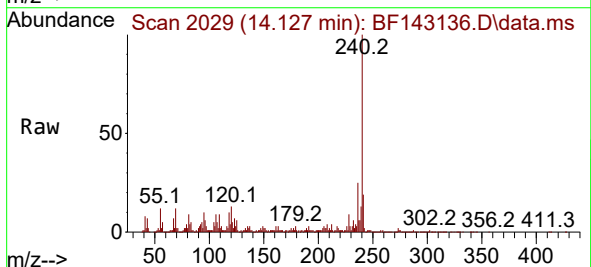
Manual Integrations
APPROVED

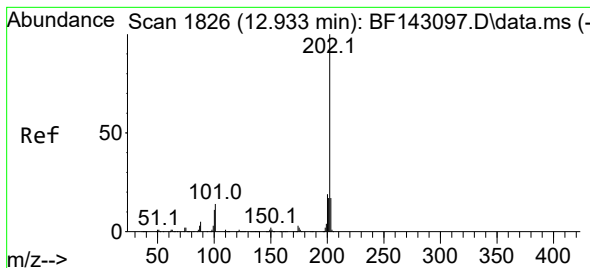
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:240 Resp: 291247
Ion Ratio Lower Upper
240 100
120 12.7 10.0 15.0
236 25.1 20.0 30.0





#78

Pyrene

Concen: 3.318 ng

RT: 12.928 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

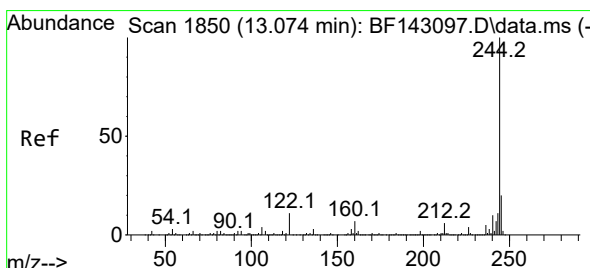
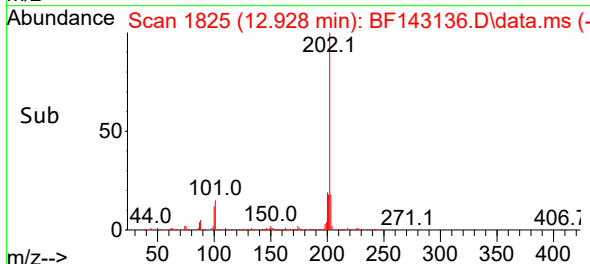
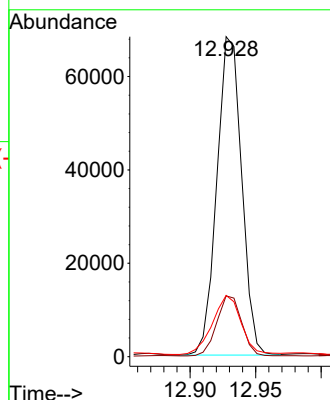
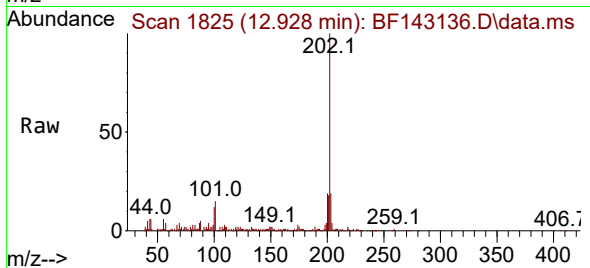
Tgt Ion:	202	Resp:	89660
Ion Ratio	Lower	Upper	
202	100		
200	19.0	15.5	23.3
203	19.2	14.0	21.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#79

Terphenyl-d14

Concen: 32.774 ng

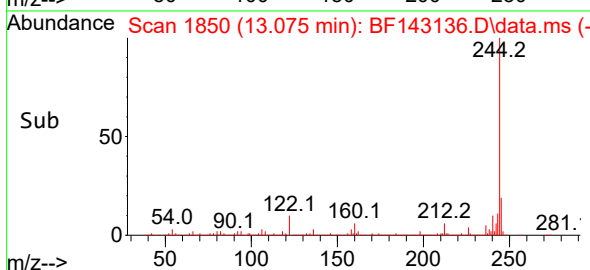
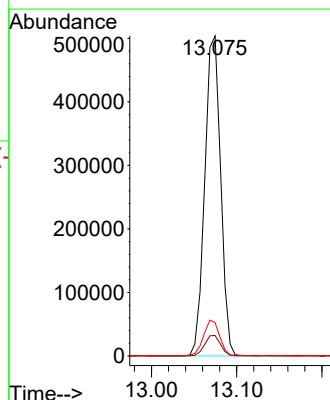
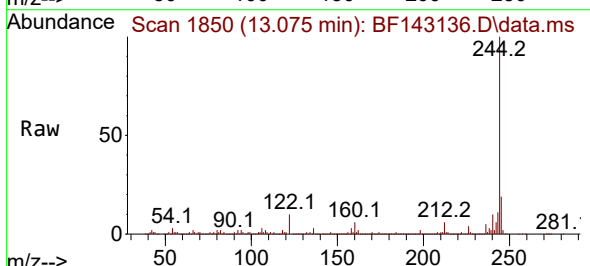
RT: 13.075 min Scan# 1850

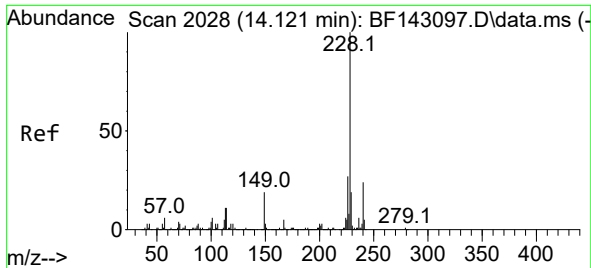
Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Tgt Ion:	244	Resp:	652972
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.2	7.8
122	10.4	8.8	13.2





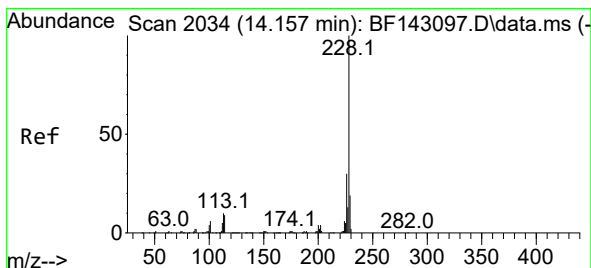
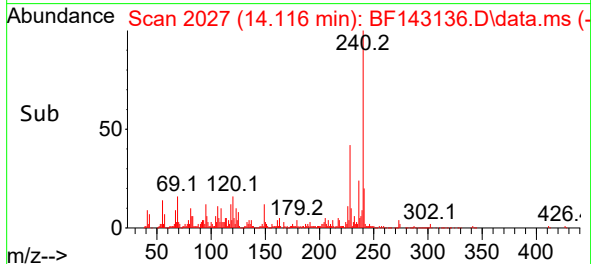
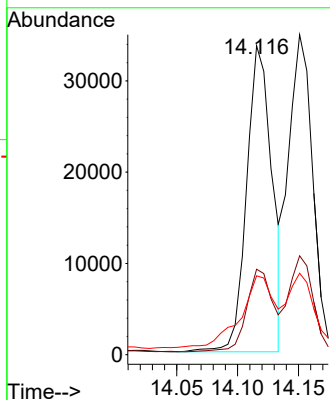
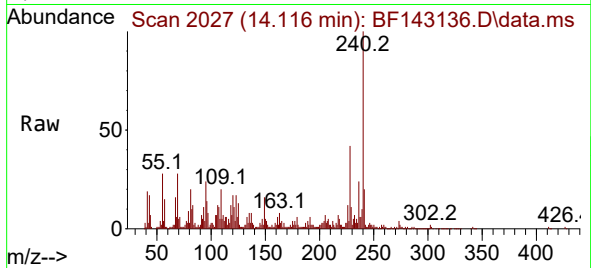
#81
Benzo(a)anthracene
Concen: 2.506 ng
RT: 14.116 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

Tgt Ion:228 Resp: 48640
Ion Ratio Lower Upper
228 100
226 27.7 21.3 31.9
229 25.5 15.5 23.3

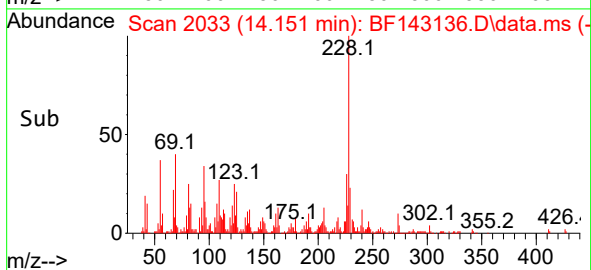
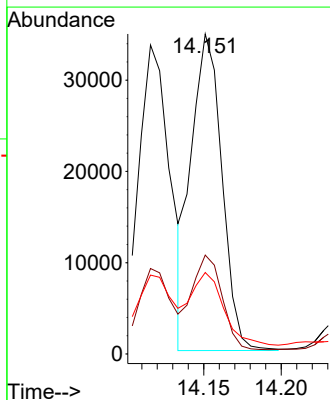
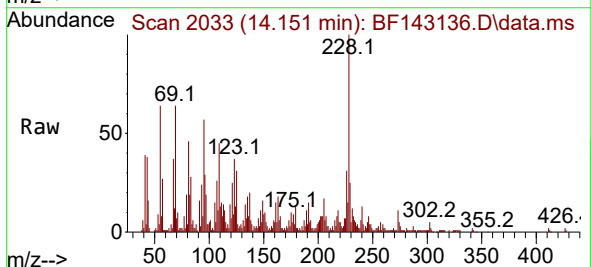
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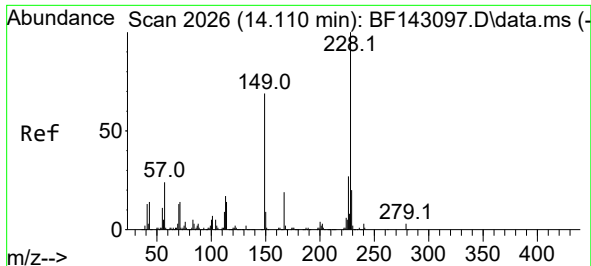
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#83
Chrysene
Concen: 2.671 ng
RT: 14.151 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:228 Resp: 47737
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.2
229 25.5 15.3 22.9





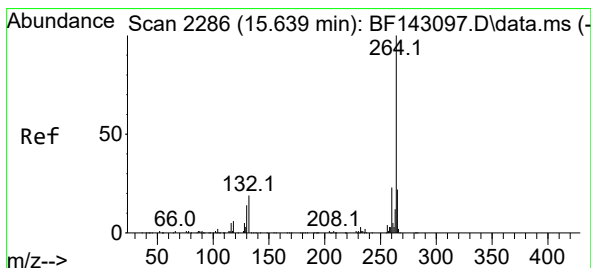
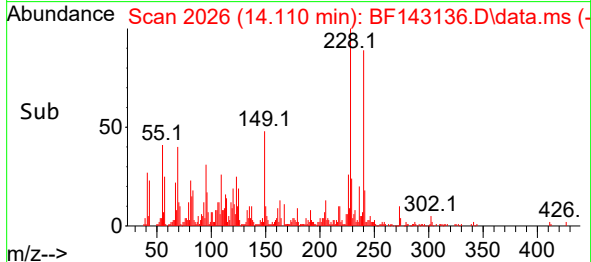
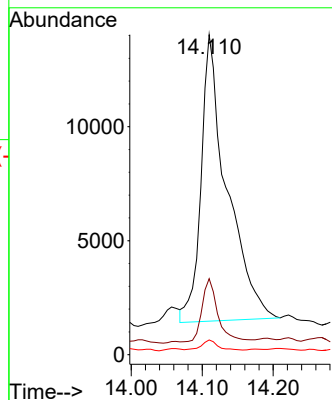
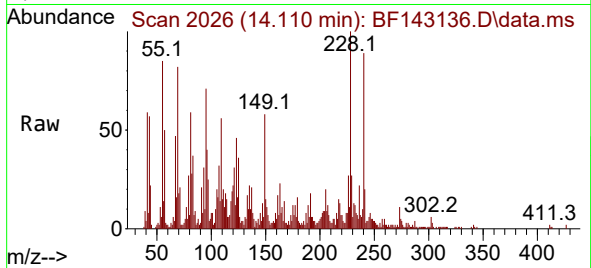
#84
Bis(2-ethylhexyl)phthalate
Concen: 7.020 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

Tgt Ion:149 Resp: 3181
Ion Ratio Lower Upper
149 100
167 23.8 21.9 32.9
279 4.6 3.4 5.0

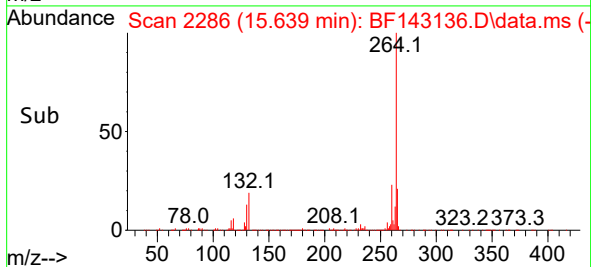
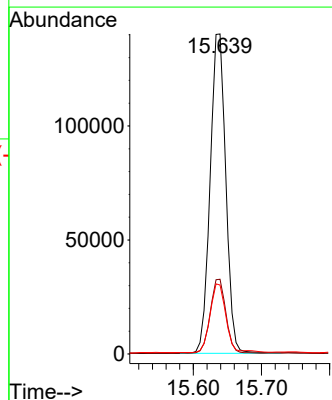
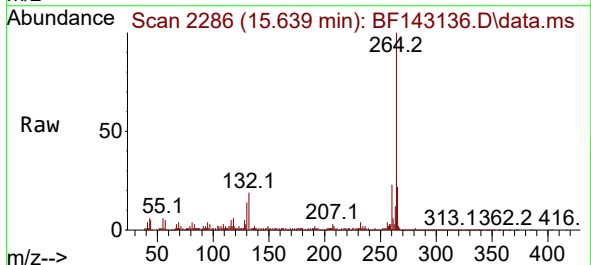
Manual Integrations
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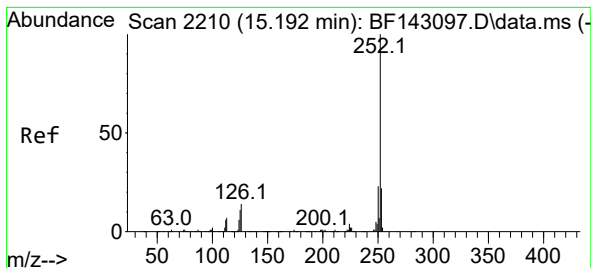
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:264 Resp: 224121
Ion Ratio Lower Upper
264 100
260 23.3 18.5 27.7
265 21.5 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.756 ng m

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

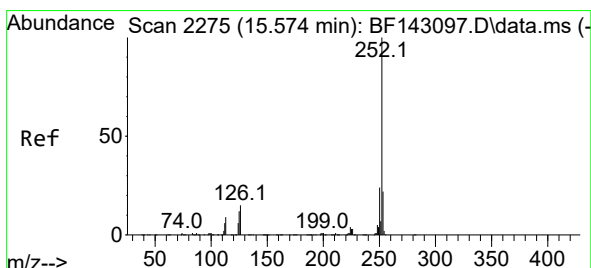
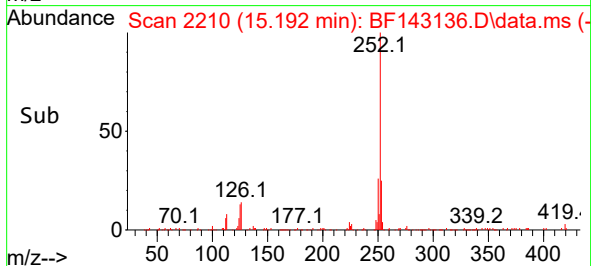
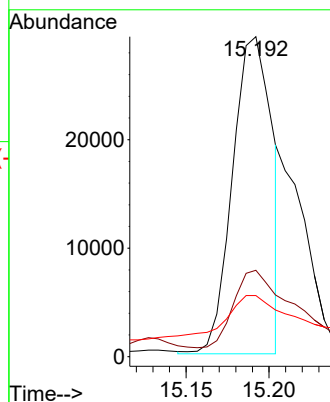
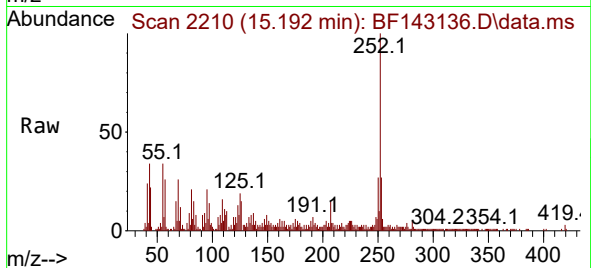
Tgt Ion:252 Resp: 48558
 Ion Ratio Lower Upper
 252 100
 253 27.0 17.5 26.3#
 125 19.1 8.6 13.0#

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#90

Benzo(a)pyrene

Concen: 2.566 ng

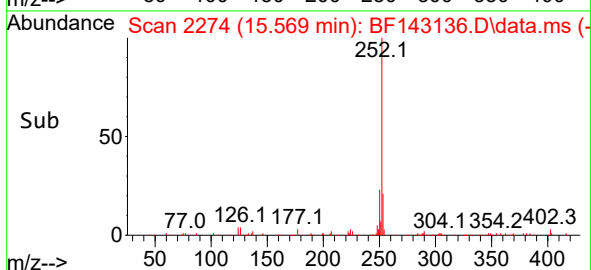
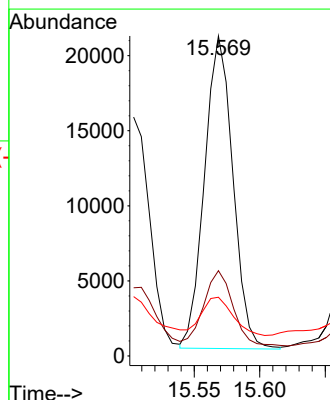
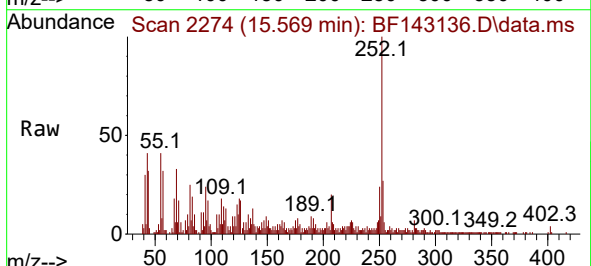
RT: 15.569 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Tgt Ion:252 Resp: 31369
 Ion Ratio Lower Upper
 252 100
 253 26.7 17.5 26.3#
 125 18.4 9.4 14.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143136.D
 Acq On : 17 Jul 2025 05:00
 Operator : RC/JU
 Sample : Q2558-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Grillo-OG-070925

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-BF071525.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143136.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.328	15	23	33	rVB	408034	661187	25.75%	2.566%
2	5.199	504	511	518	rBV	185873	271193	10.56%	1.053%
3	5.593	572	578	583	rBV	1774887	2302724	89.67%	8.938%
4	6.581	738	746	751	rBV	1784118	2376095	92.53%	9.222%
5	6.681	758	763	767	rVB	49122	62297	2.43%	0.242%
6	6.969	806	812	817	rVB	688450	874907	34.07%	3.396%
7	7.522	899	906	911	rBV	1144134	1514258	58.97%	5.877%
8	7.769	944	948	952	rVB	21717	25873	1.01%	0.100%
9	8.245	1024	1029	1034	rBV	836477	1027785	40.02%	3.989%
10	9.322	1206	1212	1217	rBV	1768832	2234127	87.00%	8.671%
11	10.004	1322	1328	1340	rBV	705877	924501	36.00%	3.588%
12	10.710	1443	1448	1455	rVB	297492	361885	14.09%	1.405%
13	10.786	1455	1461	1466	rBV	754543	960931	37.42%	3.730%
14	11.022	1498	1501	1506	rVB2	21192	30466	1.19%	0.118%
15	11.486	1575	1580	1587	rBV	643942	871104	33.92%	3.381%
16	11.545	1587	1590	1596	rVB2	26233	42811	1.67%	0.166%
17	12.010	1661	1669	1674	rBV3	172353	305857	11.91%	1.187%
18	12.104	1682	1685	1692	rVB2	26809	46788	1.82%	0.182%
19	12.192	1696	1700	1709	rVB4	69169	117522	4.58%	0.456%
20	12.698	1782	1786	1791	rBV	171883	226966	8.84%	0.881%
21	12.804	1799	1804	1809	rBV2	126243	187083	7.29%	0.726%
22	12.928	1821	1825	1838	rVB	152496	235743	9.18%	0.915%
23	13.075	1844	1850	1858	rVB	1318141	1752803	68.26%	6.803%
24	13.510	1922	1924	1929	rVB3	49336	64977	2.53%	0.252%
25	13.969	1998	2002	2012	rVB2	230755	360620	14.04%	1.400%
26	14.127	2021	2029	2042	rVB2	1106428	2567931	100.00%	9.967%
27	14.604	2106	2110	2115	rBV	215491	302496	11.78%	1.174%
28	15.004	2174	2178	2185	rVB	140462	198548	7.73%	0.771%
29	15.274	2220	2224	2234	rVB	523955	848336	33.04%	3.293%
30	15.633	2281	2285	2290	rBV	349031	538650	20.98%	2.091%
31	16.145	2366	2372	2377	rBV	311964	574592	22.38%	2.230%
32	17.833	2652	2659	2663	rBV2	356002	904818	35.24%	3.512%
33	18.327	2736	2743	2756	rBV	311298	894809	34.85%	3.473%
34	18.698	2798	2806	2810	rBV3	262290	741182	28.86%	2.877%
35	18.857	2827	2833	2840	rVB2	145896	352325	13.72%	1.367%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143136.D
Acq On : 17 Jul 2025 05:00
Operator : RC/JU
Sample : Q2558-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

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-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

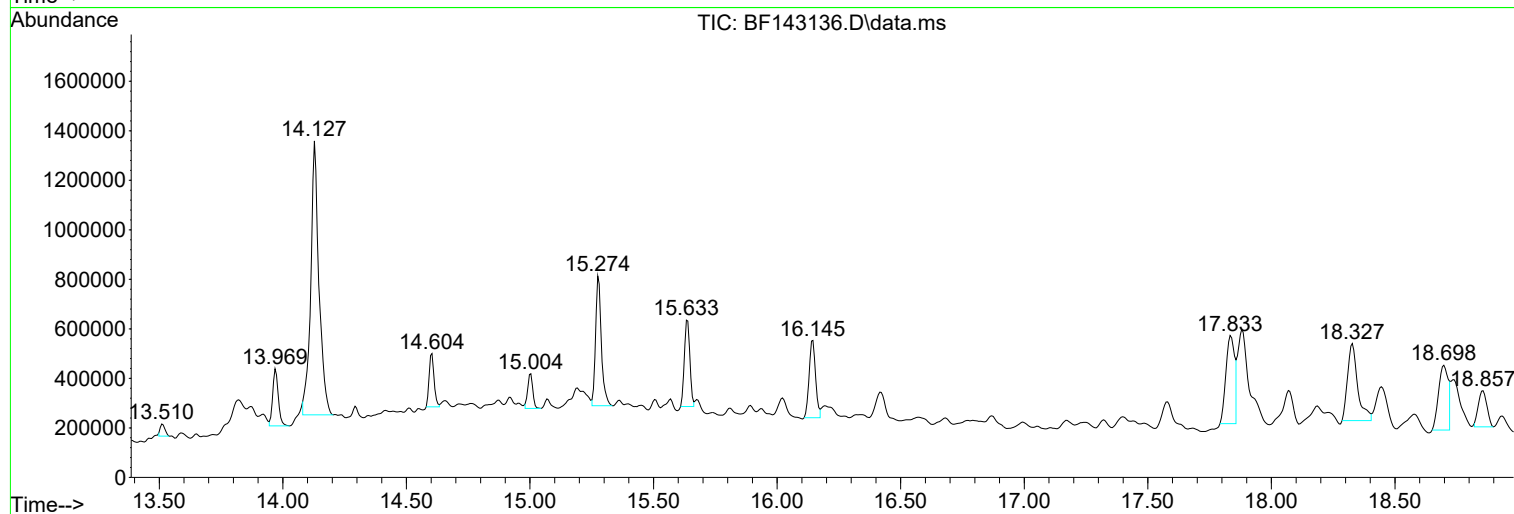
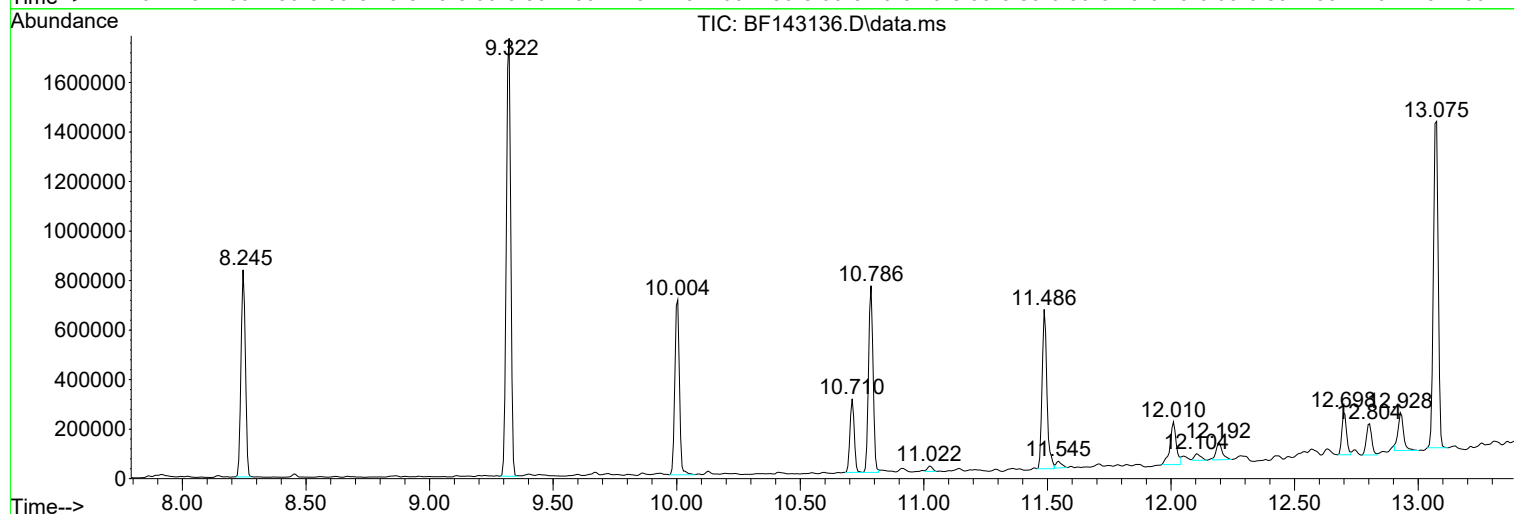
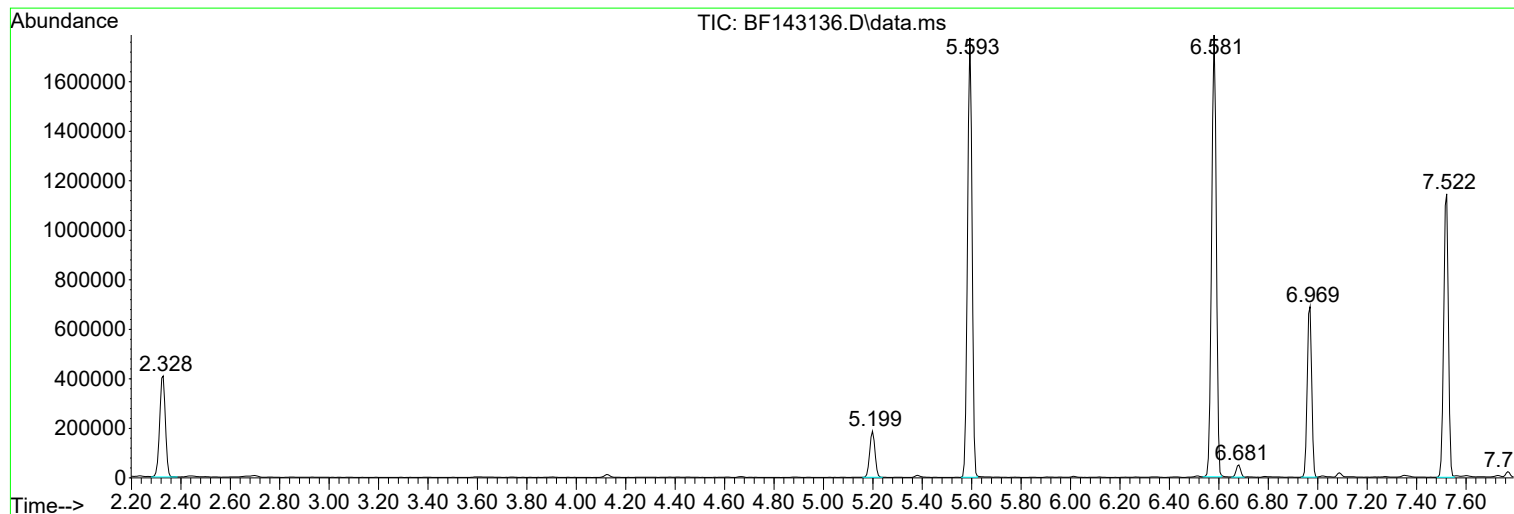
Sum of corrected areas: 25764190

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143136.D
Acq On : 17 Jul 2025 05:00
Operator : RC/JU
Sample : Q2558-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.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\BF071625\
Data File : BF143136.D
Acq On : 17 Jul 2025 05:00
Operator : RC/JU
Sample : Q2558-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.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\BF071625\
Data File : BF143136.D
Acq On : 17 Jul 2025 05:00
Operator : RC/JU
Sample : Q2558-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.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
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CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071525.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jul 15 17:53:25 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143093.D 5 =BF143094.D 10 =BF143095.D 20 =BF143096.D 40 =BF143097.D 50 =BF143098.D 60 =BF143099.D 80 =BF143100.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.637	0.635	0.640	0.627	0.661	0.626	0.586	0.630	3.58	
3)	Pyridine	1.606	1.541	1.616	1.594	1.681	1.612	1.519	1.596	3.33	
4)	n-Nitrosodimet...		0.788	0.825	0.816	0.879	0.840	0.812	0.827	3.70	
5) S	2-Fluorophenol	1.334	1.272	1.315	1.255	1.305	1.232	1.148	1.266	4.98	
6)	Aniline	2.330	2.254	2.280	2.205	2.351	2.196	2.069	2.241	4.26	
7) S	Phenol-d6	1.685	1.616	1.640	1.565	1.643	1.547	1.441	1.591	5.11	
8)	2-Chlorophenol	1.239	1.208	1.321	1.273	1.363	1.286	1.212	1.272	4.51	
9)	Benzaldehyde		1.196	1.149	1.451	1.452	1.163	0.864	1.212	18.15	
10) C	Phenol	1.766	1.742	1.782	1.709	1.780	1.694	1.584	1.723	4.07	
11)	bis(2-Chloroet...	1.425	1.363	1.366	1.309	1.371	1.291	1.209	1.334	5.26	
12)	1,3-Dichlorobe...	1.547	1.482	1.470	1.414	1.471	1.388	1.286	1.437	5.83	
13) C	1,4-Dichlorobe...	1.570	1.473	1.504	1.412	1.482	1.386	1.292	1.446	6.27	
14)	1,2-Dichlorobe...	1.468	1.409	1.430	1.364	1.417	1.321	1.241	1.379	5.57	
15)	Benzyl Alcohol		1.126	1.204	1.167	1.255	1.189	1.132	1.179	4.09	
16)	2,2'-oxybis(1-...	2.713	2.532	2.528	2.405	2.517	2.342	2.171	2.458	6.99	
17)	2-Methylphenol	1.132	1.081	1.124	1.083	1.150	1.077	1.035	1.098	3.63	
18)	Hexachloroethane	0.465	0.440	0.486	0.472	0.500	0.476	0.455	0.471	4.22	
19) P	n-Nitroso-di-n...	0.956	1.029	0.988	1.002	0.964	1.017	0.945	0.897	0.975	4.44
20)	3+4-Methylphenols		1.399	1.419	1.356	1.421	1.293	1.189	1.346	6.74	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.538	0.516	0.500	0.469	0.482	0.451	0.419	0.482	8.33	
23) S	Nitrobenzene-d5	0.283	0.319	0.363	0.372	0.399	0.390	0.370	0.357	11.59	
24)	Nitrobenzene	0.282	0.317	0.357	0.356	0.385	0.366	0.347	0.344	9.94	
25)	Isophorone	0.705	0.688	0.697	0.678	0.718	0.687	0.651	0.689	3.11	
26) C	2-Nitrophenol	0.063	0.075	0.106	0.120	0.141	0.146	0.147	0.114	29.95	
27)	2,4-Dimethylph...	0.325	0.322	0.326	0.320	0.332	0.315	0.299	0.320	3.38	
28)	bis(2-Chloroet...	0.444	0.434	0.435	0.409	0.424	0.404	0.375	0.418	5.63	
29) C	2,4-Dichloroph...	0.237	0.254	0.267	0.267	0.280	0.271	0.254	0.262	5.43	
30)	1,2,4-Trichlor...	0.316	0.305	0.307	0.295	0.303	0.287	0.267	0.297	5.40	
31)	Naphthalene	1.099	1.048	1.037	0.966	0.987	0.937	0.878	0.993	7.52	
32)	Benzoic acid		0.080	0.111	0.144	0.159	0.171	0.172	0.139	26.27	
33)	4-Chloroaniline	0.420	0.420	0.414	0.398	0.409	0.381	0.353	0.399	6.12	
34) C	Hexachlorobuta...	0.185	0.176	0.183	0.177	0.182	0.176	0.163	0.178	4.10	
35)	Caprolactam		0.073	0.078	0.083	0.087	0.086	0.083	0.082	6.36	
36) C	4-Chloro-3-met...	0.285	0.290	0.296	0.293	0.307	0.293	0.277	0.291	3.26	
37)	2-Methylnaphth...	0.644	0.626	0.615	0.580	0.597	0.562	0.524	0.592	6.91	
38)	1-Methylnaphth...	0.678	0.660	0.631	0.603	0.615	0.578	0.537	0.615	7.81	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071525.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.616	0.600	0.602	0.578	0.601	0.561	0.522	0.583	5.56	
41) P	Hexachlorocycl...		0.254	0.306	0.323	0.356	0.356	0.344	0.323	12.16	
42) S	2,4,6-Tribromo...	0.136	0.157	0.181	0.188	0.204	0.194	0.188	0.178	13.23	
43) C	2,4,6-Trichlor...	0.300	0.312	0.377	0.376	0.400	0.393	0.377	0.362	10.94	
44)	2,4,5-Trichlor...	0.336	0.367	0.390	0.393	0.418	0.377	0.378	0.380	6.62	
45) S	2-Fluorobiphenyl	1.777	1.645	1.602	1.456	1.460	1.355	1.238	1.505	12.18	
46)	1,1'-Biphenyl	1.750	1.687	1.671	1.567	1.610	1.496	1.384	1.595	7.84	
47)	2-Chloronaphth...	1.271	1.203	1.206	1.159	1.195	1.120	1.048	1.172	6.10	
48)	2-Nitroaniline	0.180	0.224	0.296	0.328	0.372	0.363	0.355	0.303	24.51	
49)	Acenaphthylene	2.060	2.011	2.034	1.959	1.989	1.867	1.746	1.952	5.65	
50)	Dimethylphthalate	1.310	1.259	1.292	1.257	1.302	1.219	1.169	1.258	4.01	
51)	2,6-Dinitrotol...	0.133	0.176	0.222	0.234	0.262	0.262	0.247	0.219	22.07	
52) C	Acenaphthene	1.273	1.204	1.173	1.127	1.168	1.088	1.032	1.152	6.85	
53)	3-Nitroaniline	0.180	0.227	0.283	0.288	0.318	0.313	0.295	0.272	18.56	
54) P	2,4-Dinitrophenol		0.038	0.056	0.069	0.086	0.090	0.097	0.073	31.18	
55)	Dibenzofuran	1.895	1.795	1.785	1.697	1.729	1.604	1.516	1.717	7.37	
56) P	4-Nitrophenol		0.164	0.201	0.224	0.239	0.237	0.232	0.216	13.37	
57)	2,4-Dinitrotol...	0.147	0.197	0.253	0.295	0.326	0.319	0.320	0.265	26.25	
58)	Fluorene	1.478	1.387	1.328	1.246	1.284	1.186	1.105	1.288	9.67	
59)	2,3,4,6-Tetrac...	0.253	0.274	0.302	0.312	0.339	0.323	0.309	0.302	9.71	
60)	Diethylphthalate	1.221	1.217	1.257	1.225	1.260	1.187	1.130	1.214	3.68	
61)	4-Chlorophenyl...	0.666	0.642	0.631	0.614	0.625	0.586	0.555	0.617	5.92	
62)	4-Nitroaniline	0.169	0.208	0.237	0.249	0.270	0.263	0.259	0.236	15.25	
63)	Azobenzene	1.425	1.399	1.375	1.328	1.381	1.282	1.208	1.343	5.65	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.035	0.053	0.064	0.079	0.084	0.086	0.067	30.46	
66) c	n-Nitrosodiphe...	0.735	0.709	0.736	0.682	0.717	0.685	0.654	0.703	4.30	
67)	4-Bromophenyl-...	0.231	0.219	0.234	0.222	0.239	0.228	0.219	0.227	3.38	
68)	Hexachlorobenzene	0.249	0.237	0.247	0.235	0.250	0.239	0.231	0.241	3.12	
69)	Atrazine	0.158	0.171	0.184	0.181	0.195	0.185	0.184	0.180	6.72	
70) C	Pentachlorophenol		0.098	0.125	0.132	0.149	0.145	0.145	0.132	14.47	
71)	Phenanthrene	1.190	1.136	1.111	1.042	1.089	1.021	0.968	1.079	6.95	
72)	Anthracene	1.158	1.126	1.126	1.057	1.106	1.042	0.983	1.085	5.62	
73)	Carbazole	1.038	1.026	1.008	0.938	0.998	0.927	0.873	0.972	6.27	
74)	Di-n-butylphth...	0.746	0.846	0.913	0.921	0.983	0.942	0.897	0.893	8.62	
75) C	Fluoranthene	1.044	1.053	1.009	0.960	0.998	0.938	0.869	0.981	6.59	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.664	0.786	0.834	0.674	0.616	0.514	0.681	17.02	
78)	Pyrene	2.018	1.956	1.955	1.842	1.918	1.716	1.585	1.856	8.33	
79) S	Terphenyl-d14	1.563	1.471	1.437	1.343	1.385	1.246	1.133	1.368	10.53	
80)	Butylbenzylphth...	0.179	0.233	0.310	0.343	0.385	0.395	0.384	0.318	26.22	
81)	Benzo(a)anthra...	1.296	1.304	1.406	1.347	1.403	1.326	1.247	1.333	4.34	
82)	3,3'-Dichlorob...		0.314	0.406	0.385	0.428	0.411	0.377	0.387	10.35	
83)	Chrysene	1.286	1.234	1.211	1.201	1.270	1.228	1.162	1.227	3.41	
84)	Bis(2-ethylhex...	0.273	0.343	0.479	0.515	0.578	0.591	0.583	0.480	26.25	
85) c	Di-n-octyl pht...		0.474	0.811	0.922	1.073	1.115	1.167	0.927	27.83	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.345	1.411	1.526	1.521	1.620	1.519	1.470	1.488	5.98	
88)	Benzo(b)fluora...	1.063	1.191	1.171	1.082	1.297	1.185	1.087	1.154	7.17	
89)	Benzo(k)fluora...	1.175	1.066	1.111	1.148	1.088	1.060	1.056	1.101	4.23	
90) C	Benzo(a)pyrene	0.989	1.019	1.108	1.124	1.196	1.124	1.078	1.091	6.41	
91)	Dibenzo(a,h)an...	1.114	1.162	1.266	1.240	1.330	1.222	1.178	1.216	5.90	
92)	Benzo(g,h,i)pe...	1.148	1.187	1.263	1.258	1.349	1.260	1.214	1.240	5.20	

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143093.D
Acq On : 15 Jul 2025 13:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 15 17:36:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

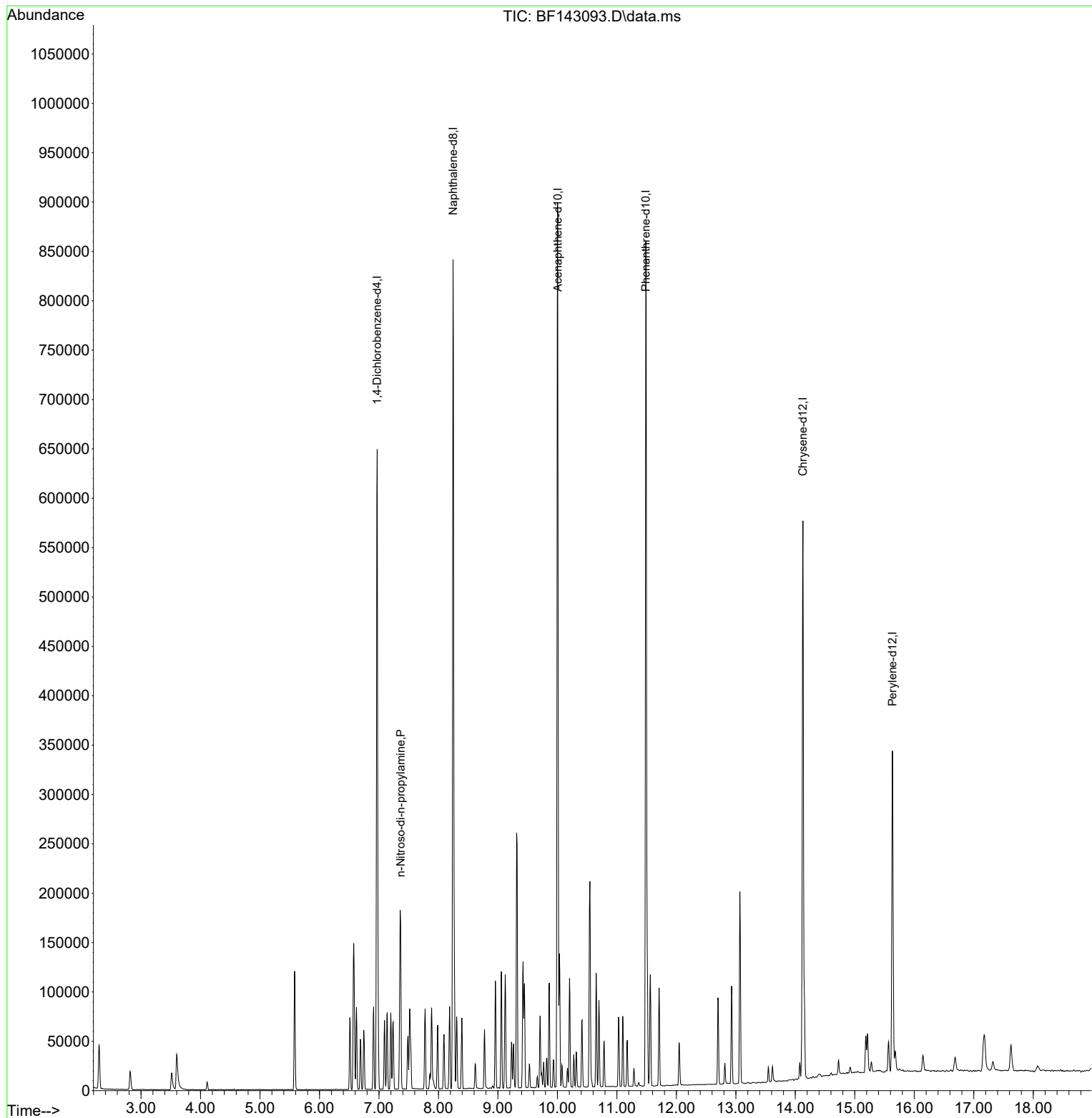
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	130499	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	494118	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	253763	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	424376	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244536	20.000	ng	0.00
86) Perylene-d12	15.633	264	187520	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...	7.363	70	15601	2.453	ng	Qvalue 95

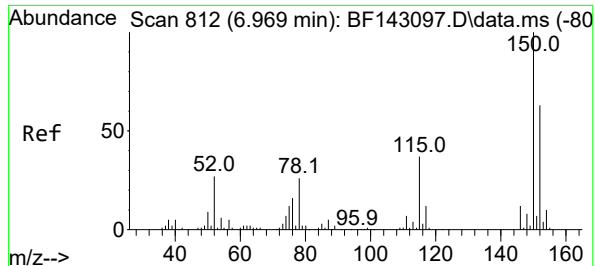
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143093.D
Acq On : 15 Jul 2025 13:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 15 17:36:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.969 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143093.D

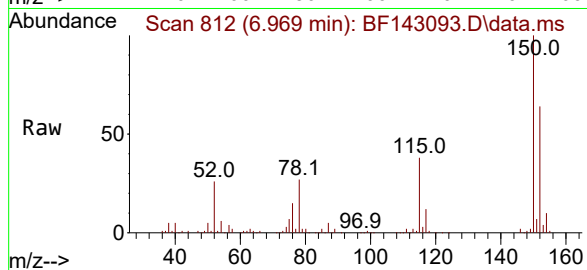
Acq: 15 Jul 2025 13:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



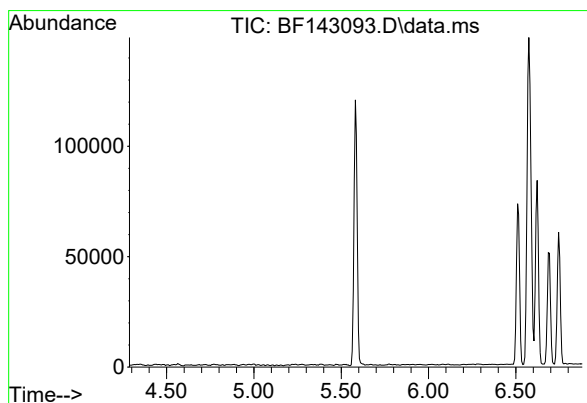
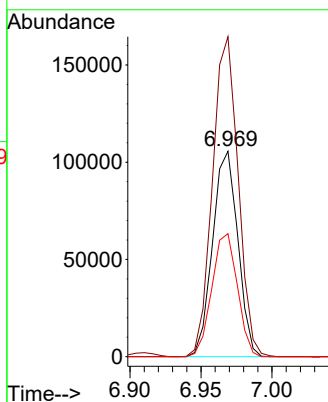
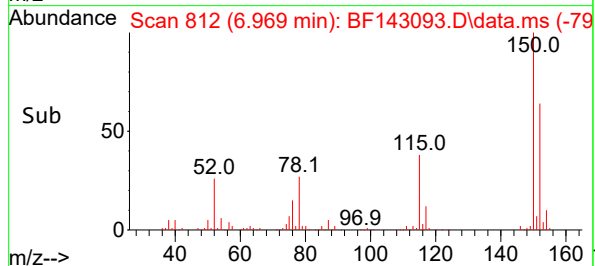
Tgt Ion:152 Resp: 130499

Ion Ratio Lower Upper

152 100

150 155.8 126.5 189.7

115 59.9 47.0 70.6



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.59 min

Lab File: BF143093.D

Acq: 15 Jul 2025 13:04

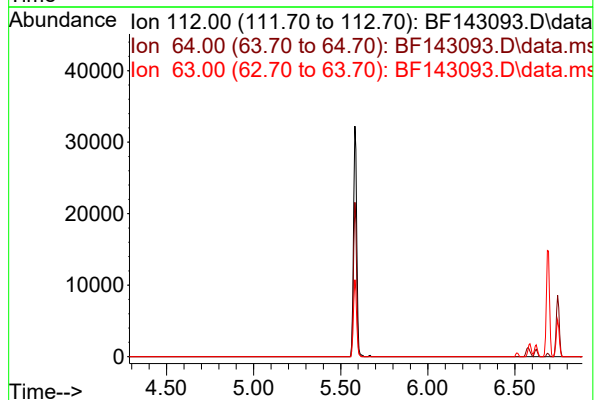
Tgt Ion: 112

Sig Exp Ratio

112 100

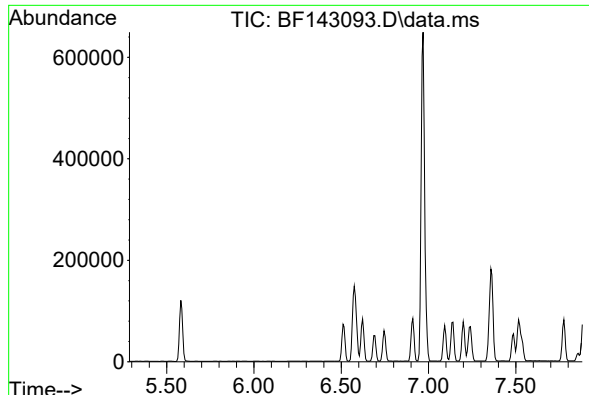
64 68.3

63 34.1



Ion 64.00 (63.70 to 64.70): BF143093.D\data.ms

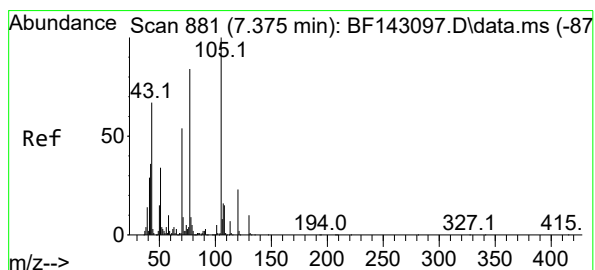
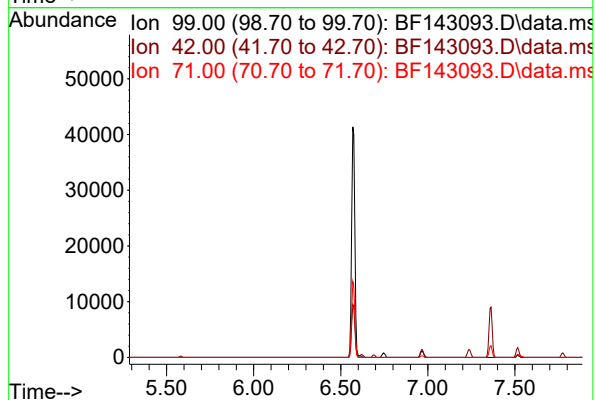
Ion 63.00 (62.70 to 63.70): BF143093.D\data.ms



#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.59 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

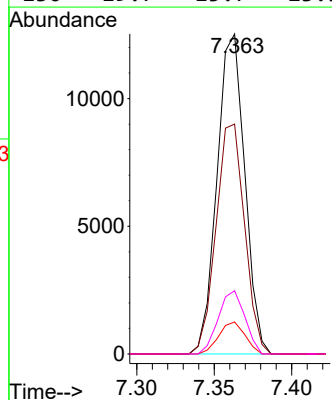
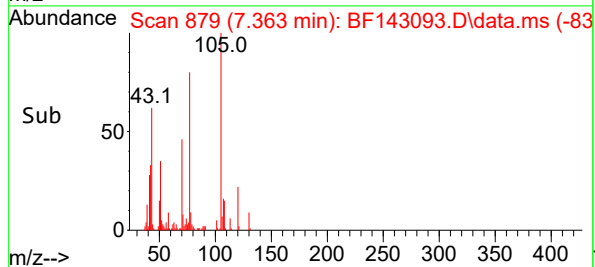
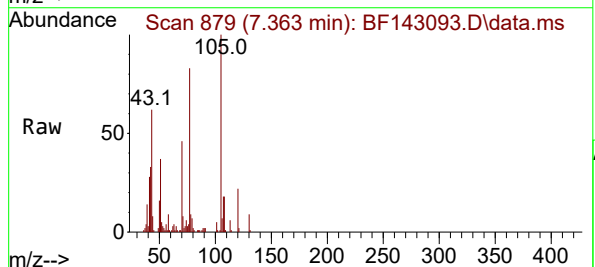
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

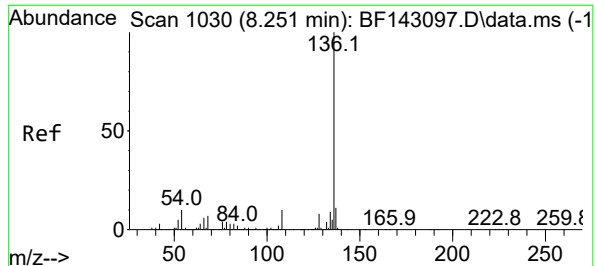
Tgt Ion: 99
Sig Exp Ratio
99 100
42 21.5
71 34.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.453 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 70 Resp: 15601
Ion Ratio Lower Upper
70 100
42 71.9 53.2 79.8
101 10.0 7.5 11.3
130 19.7 15.7 23.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143093.D

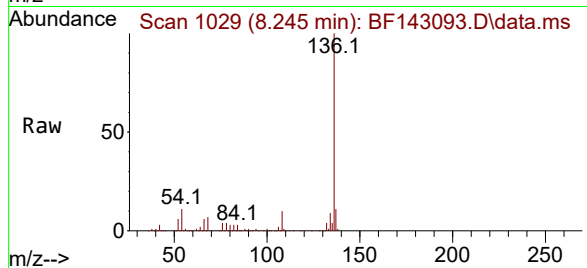
Acq: 15 Jul 2025 13:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 494118

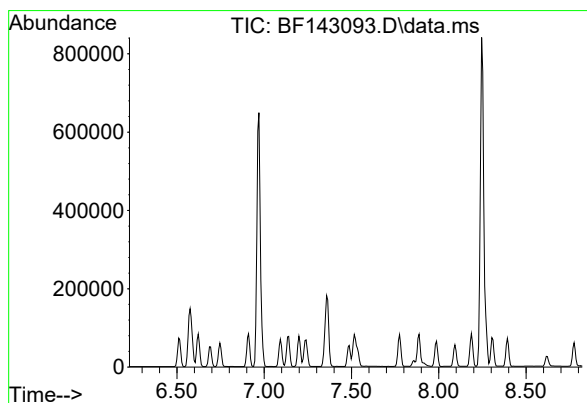
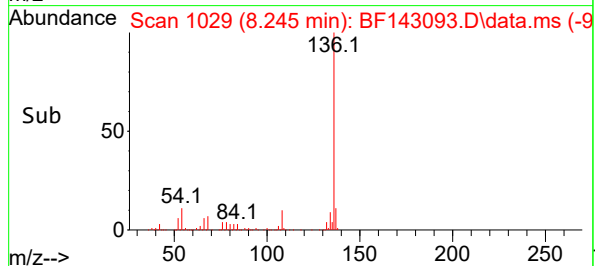
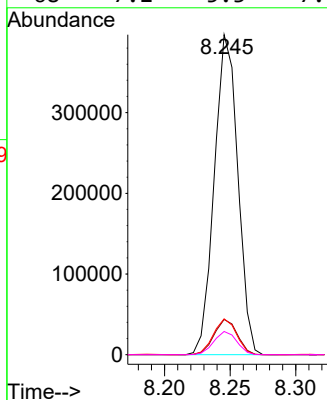
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 11.2 8.3 12.5

68 7.2 5.3 7.9



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.53 min

Lab File: BF143093.D

Acq: 15 Jul 2025 13:04

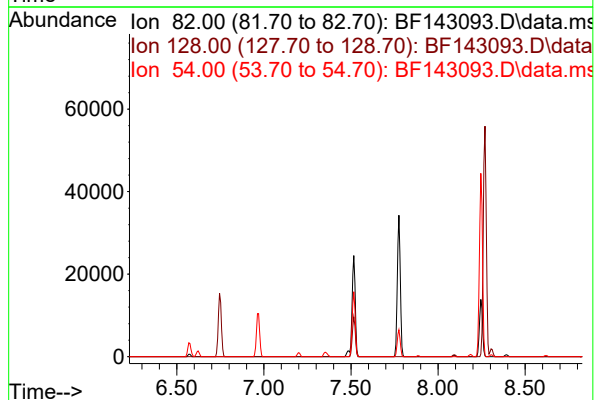
Tgt Ion: 82

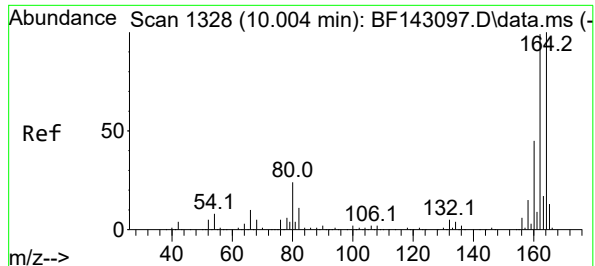
Sig Exp Ratio

82 100

128 41.6

54 59.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143093.D

Acq: 15 Jul 2025 13:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

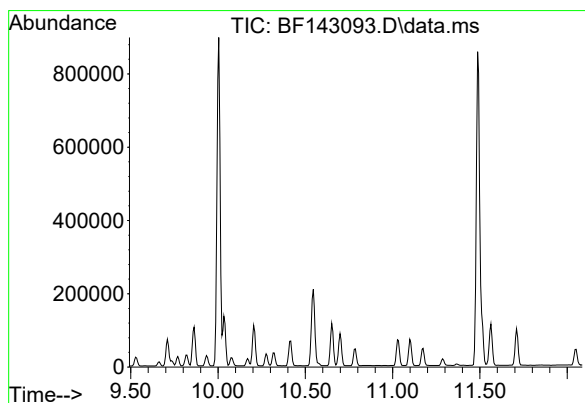
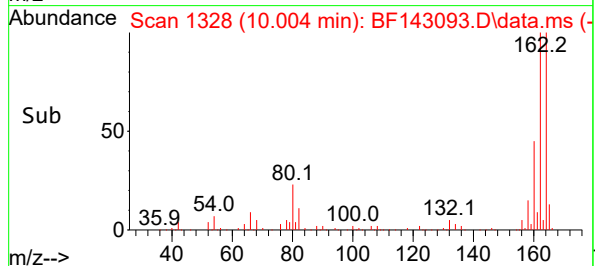
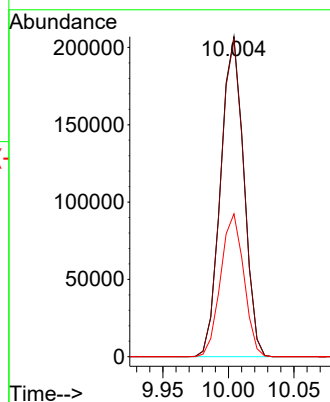
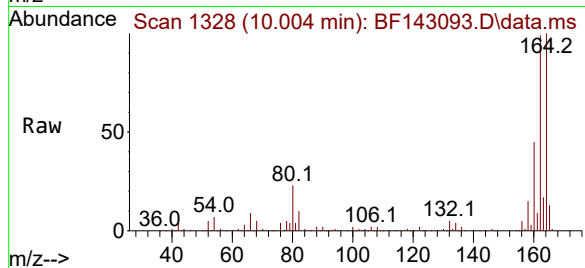
Tgt Ion:164 Resp: 253763

Ion Ratio Lower Upper

164 100

162 99.1 79.0 118.6

160 44.7 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.79 min

Lab File: BF143093.D

Acq: 15 Jul 2025 13:04

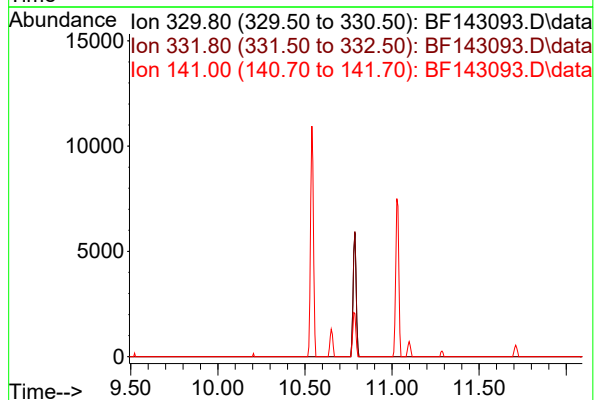
Tgt Ion: 330

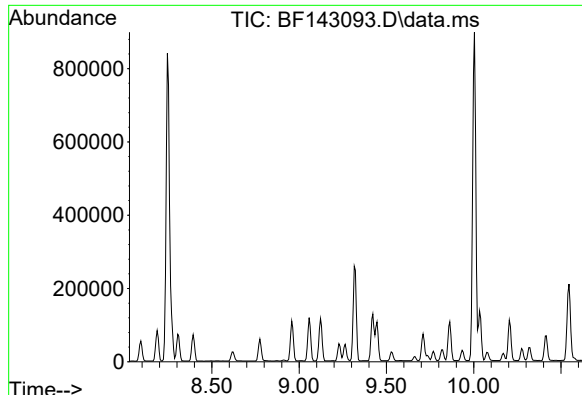
Sig Exp Ratio

330 100

332 97.4

141 32.4





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.33 min

Lab File: BF143093.D

Acq: 15 Jul 2025 13:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

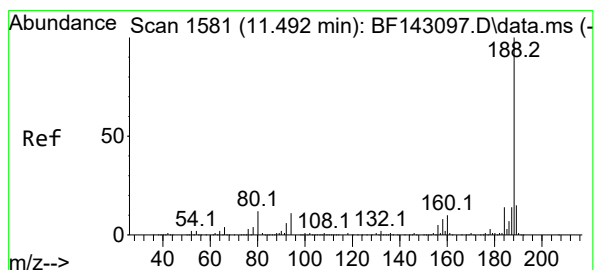
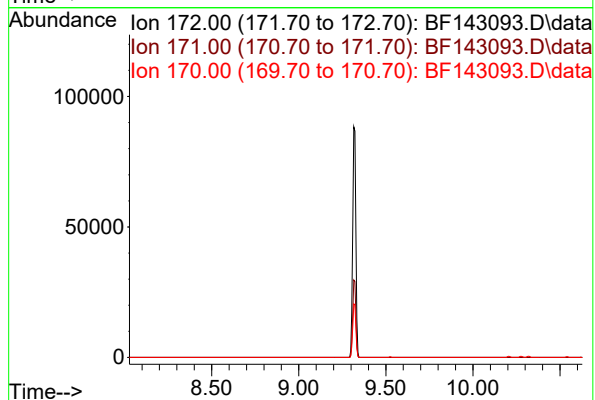
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.3

170 23.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF143093.D

Acq: 15 Jul 2025 13:04

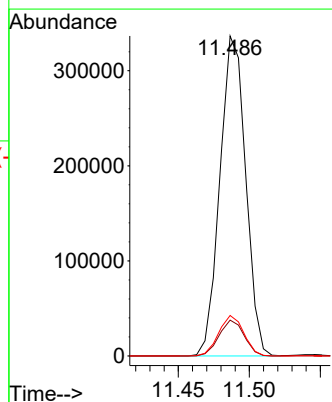
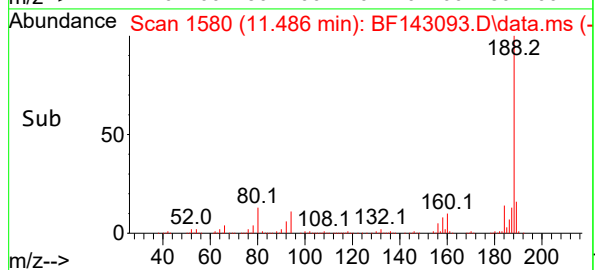
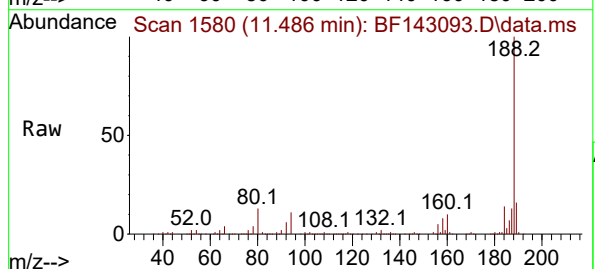
Tgt Ion:188 Resp: 424376

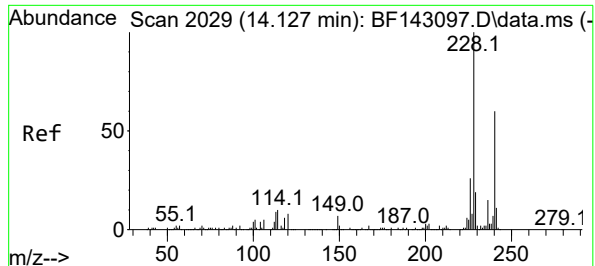
Ion Ratio Lower Upper

188 100

94 11.2 8.6 13.0

80 12.7 9.3 13.9

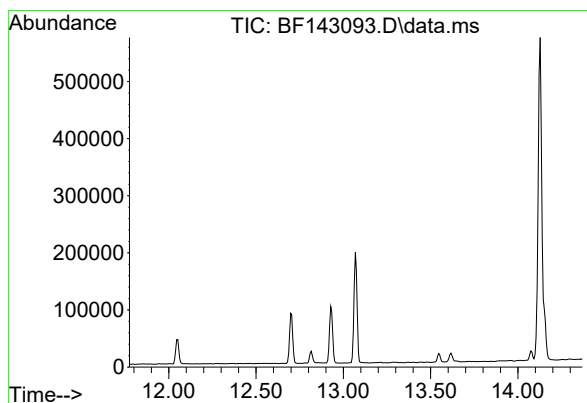
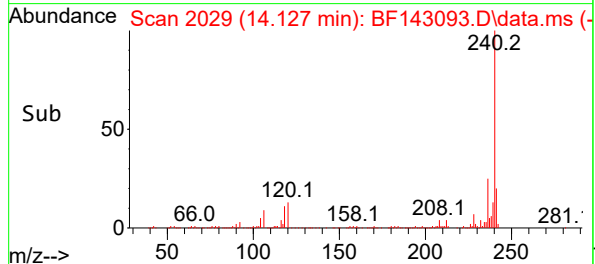
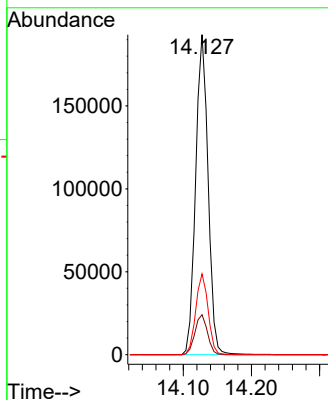
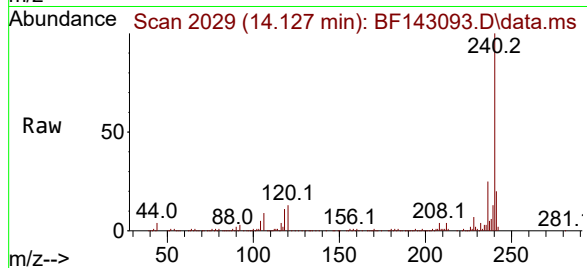




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

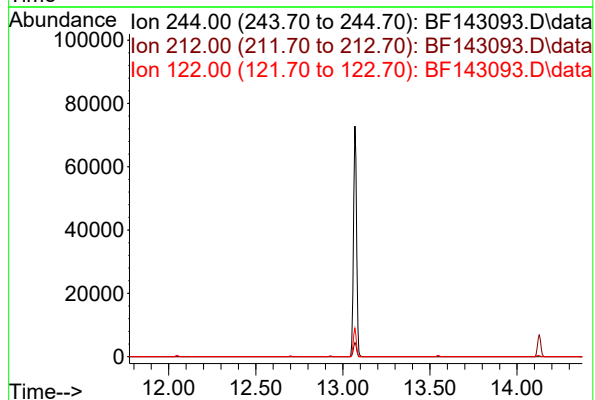
Tgt Ion:240 Resp: 244536
Ion Ratio Lower Upper
240 100
120 12.5 10.0 15.0
236 25.3 20.0 30.0



#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.07 min

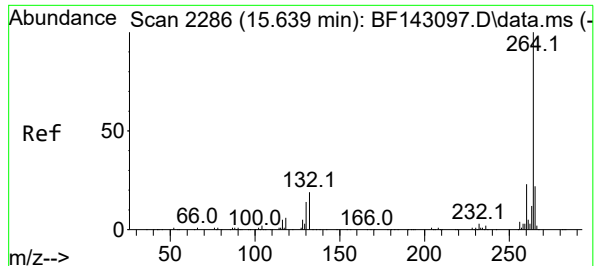
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 244
Sig Exp Ratio
244 100
212 6.5
122 11.0



Ion 212.00 (211.70 to 212.70): BF143093.D\data

Ion 122.00 (121.70 to 122.70): BF143093.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143093.D

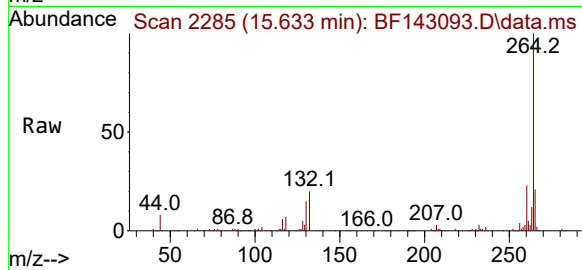
Acq: 15 Jul 2025 13:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



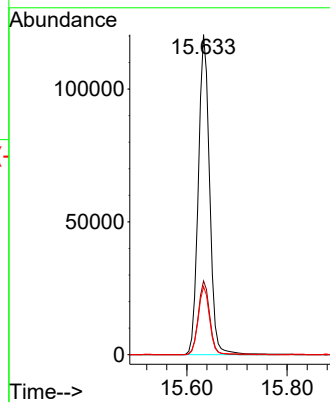
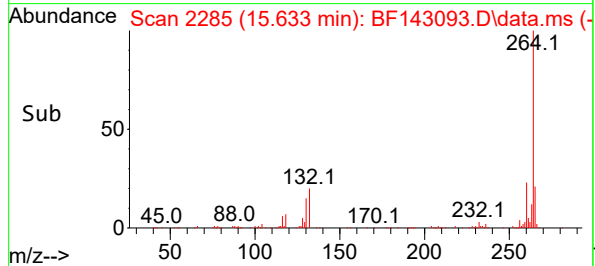
Tgt Ion:264 Resp: 187520

Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 21.3 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143094.D
 Acq On : 15 Jul 2025 13:35
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:37:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	119528	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	456442	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	230973	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	382578	20.000	ng	0.00
76) Chrysene-d12	14.127	240	212909	20.000	ng	0.00
86) Perylene-d12	15.633	264	174154	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	79738	10.540	ng	0.00
7) Phenol-d6	6.575	99	100706	10.590	ng	-0.01
23) Nitrobenzene-d5	7.516	82	64500m	7.927	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	15703	7.625	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	205273	11.814	ng	0.00
79) Terphenyl-d14	13.069	244	166389	11.424	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	19027	5.052	ng	95
3) Pyridine	3.587	79	48004	5.034	ng	97
6) Aniline	6.622	93	69613	5.198	ng	99
8) 2-Chlorophenol	6.745	128	37026	4.871	ng	98
10) Phenol	6.587	94	52784	5.127	ng	98
11) bis(2-Chloroethyl)ether	6.692	93	42574	5.342	ng	98
12) 1,3-Dichlorobenzene	6.910	146	46218	5.382	ng	98
13) 1,4-Dichlorobenzene	6.987	146	46918	5.431	ng	99
14) 1,2-Dichlorobenzene	7.140	146	43854	5.323	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.240	45	81065	5.518	ng	99
17) 2-Methylphenol	7.198	107	33834	5.158	ng	98
18) Hexachloroethane	7.487	117	13889	4.938	ng	99
19) n-Nitroso-di-n-propyla...	7.363	70	30747	5.277	ng	99
22) Acetophenone	7.363	105	61393	5.580	ng	95
24) Nitrobenzene	7.534	77	32206	4.100	ng	99
25) Isophorone	7.775	82	80494	5.118	ng	99
26) 2-Nitrophenol	7.857	139	7204	6.037	ng	96
27) 2,4-Dimethylphenol	7.887	122	37098	5.082	ng	98
28) bis(2-Chloroethoxy)met...	7.987	93	50637	5.310	ng	98
29) 2,4-Dichlorophenol	8.092	162	27047	4.529	ng	96
30) 1,2,4-Trichlorobenzene	8.187	180	36023	5.315	ng	99
31) Naphthalene	8.269	128	125461	5.535	ng	100
33) 4-Chloroaniline	8.310	127	47947	5.260	ng	98
34) Hexachlorobutadiene	8.392	225	21105	5.207	ng	98
36) 4-Chloro-3-methylphenol	8.775	107	32542	4.892	ng	96
37) 2-Methylnaphthalene	8.957	142	73511	5.436	ng	99
38) 1-Methylnaphthalene	9.057	142	77390	5.518	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	35579	5.286	ng	97
43) 2,4,6-Trichlorophenol	9.228	196	17295	4.135	ng	97
44) 2,4,5-Trichlorophenol	9.263	196	19416	4.427	ng	99
46) 1,1'-Biphenyl	9.422	154	101056	5.486	ng	99
47) 2-Chloronaphthalene	9.445	162	73385	5.423	ng	99
48) 2-Nitroaniline	9.528	65	10398	5.579	ng	91
49) Acenaphthylene	9.863	152	118965	5.276	ng	99
50) Dimethylphthalate	9.710	163	75659	5.207	ng	99
51) 2,6-Dinitrotoluene	9.769	165	7659	5.308	ng	93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143094.D
 Acq On : 15 Jul 2025 13:35
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:37:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	10.033	154	73531	5.526	ng	99
53) 3-Nitroaniline	9.933	138	10382	3.307	ng #	90
55) Dibenzofuran	10.204	168	109432	5.518	ng	99
57) 2,4-Dinitrotoluene	10.169	165	8515	5.606	ng	87
58) Fluorene	10.551	166	85318	5.738	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	14610	4.192	ng #	98
60) Diethylphthalate	10.416	149	70533	5.031	ng	98
61) 4-Chlorophenyl-phenyle...	10.539	204	38452	5.395	ng	96
62) 4-Nitroaniline	10.539	138	9779	3.581	ng	83
63) Azobenzene	10.698	77	82291	5.308	ng	99
66) n-Nitrosodiphenylamine	10.651	169	70293	5.231	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	22127	5.086	ng	95
68) Hexachlorobenzene	11.098	284	23819	5.160	ng	97
69) Atrazine	11.175	200	15103	4.393	ng	99
71) Phenanthrene	11.510	178	113784	5.511	ng	99
72) Anthracene	11.563	178	110778	5.335	ng	100
73) Carbazole	11.710	167	99235	5.335	ng	100
74) Di-n-butylphthalate	12.051	149	71352	4.179	ng	99
75) Fluoranthene	12.704	202	99884	5.320	ng	100
78) Pyrene	12.927	202	107389	5.436	ng	99
80) Butylbenzylphthalate	13.545	149	9546	5.646	ng	92
81) Benzo(a)anthracene	14.116	228	68990	4.863	ng	99
83) Chrysene	14.151	228	68451	5.239	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	14537	5.667	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	58565	4.521	ng	98
88) Benzo(b)fluoranthene	15.186	252	46276	4.607	ng	98
89) Benzo(k)fluoranthene	15.215	252	51177	5.340	ng	99
90) Benzo(a)pyrene	15.568	252	43046	4.531	ng	97
91) Dibenzo(a,h)anthracene	17.186	278	48506	4.581	ng	97
92) Benzo(g,h,i)perylene	17.627	276	49989	4.631	ng	98

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

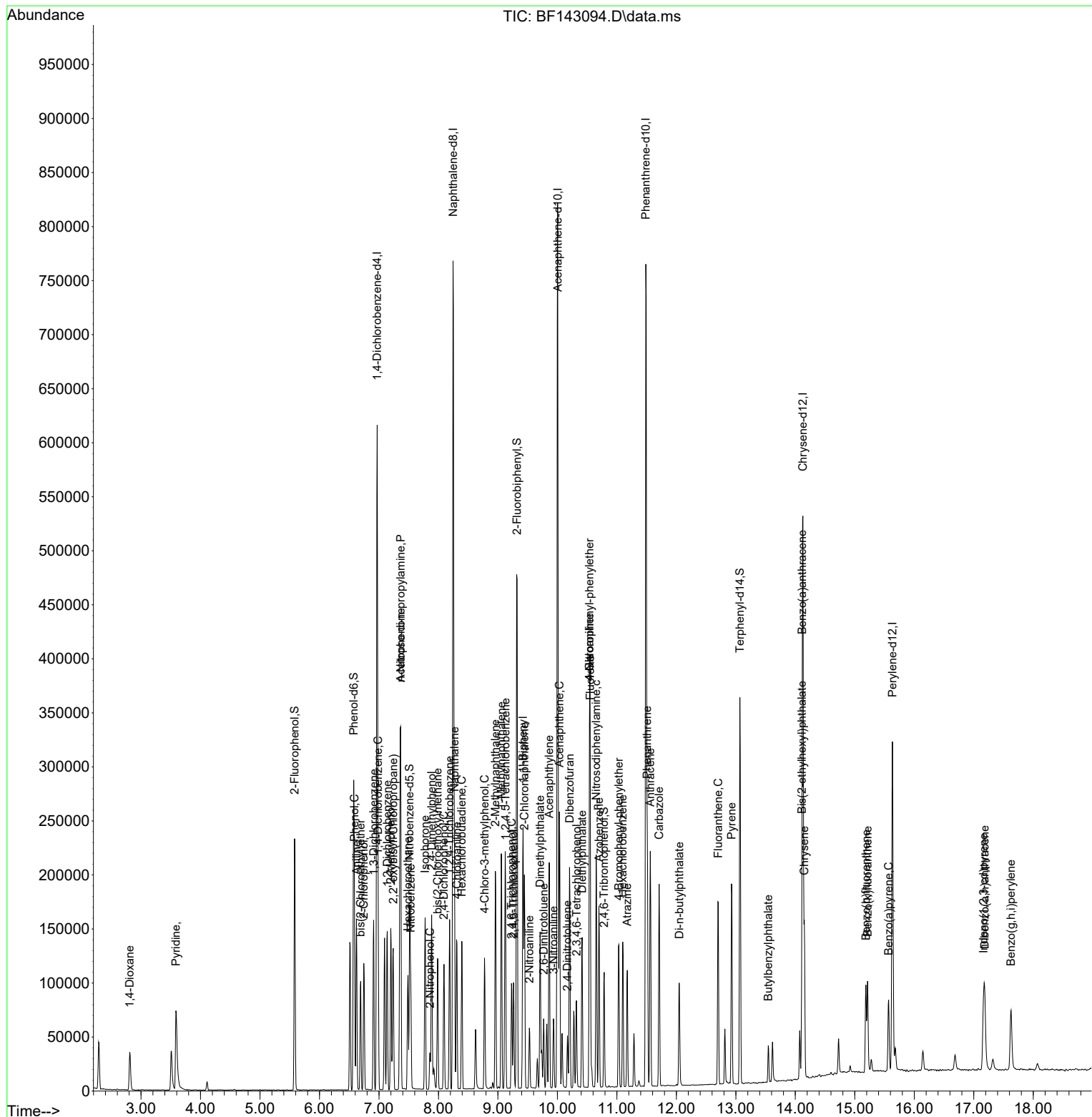
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

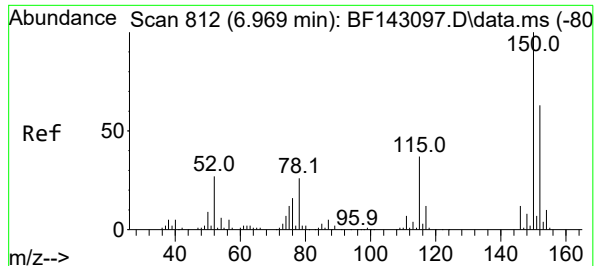
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jaagrut Upadhyay 07/16/2025

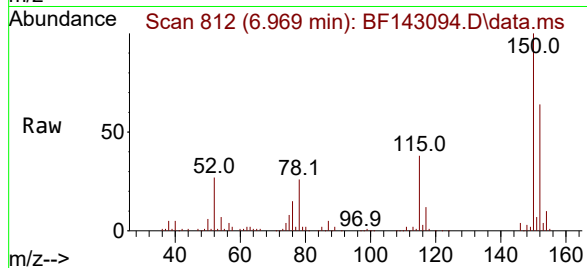
Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

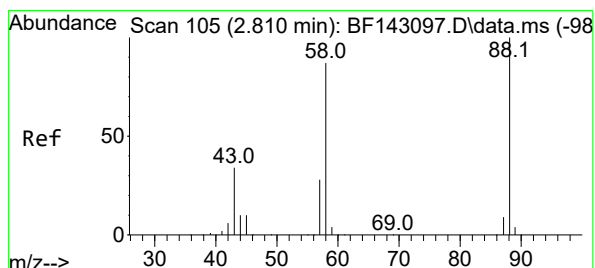
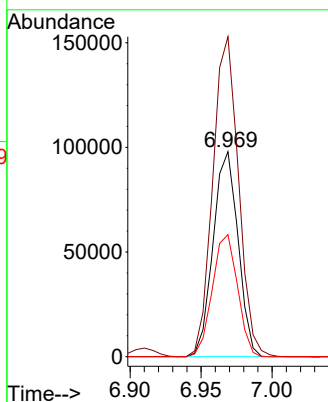
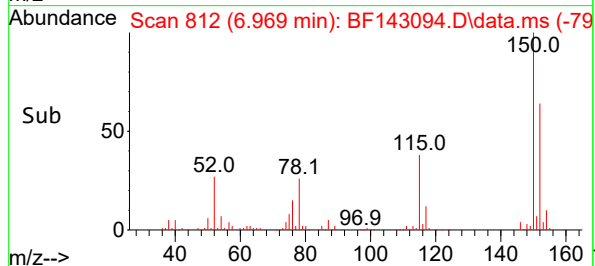
Instrument :
BNA_F
ClientSampleId :
SSTDIC005



Tgt Ion:152 Resp: 119528
Ion Ratio Lower Upper
152 100
150 156.2 126.5 189.7
115 59.5 47.0 70.6

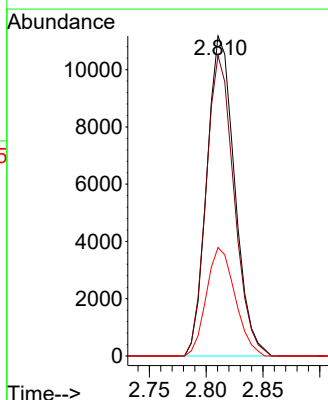
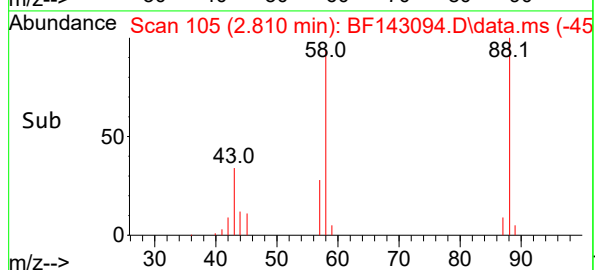
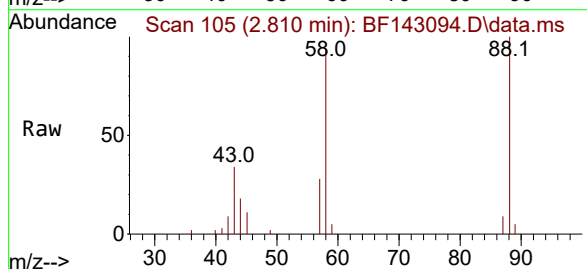
Manual Integrations
APPROVED

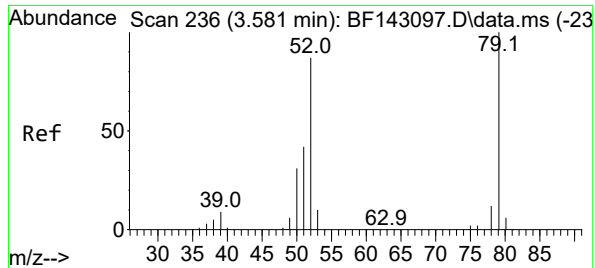
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#2
1,4-Dioxane
Concen: 5.052 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 88 Resp: 19027
Ion Ratio Lower Upper
88 100
58 94.1 70.5 105.7
43 34.9 27.3 40.9





#3

Pyridine

Concen: 5.034 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

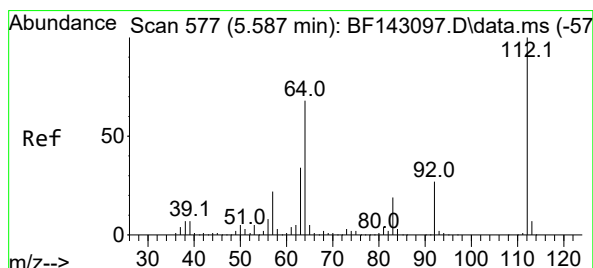
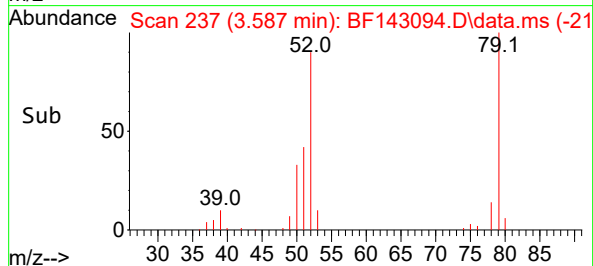
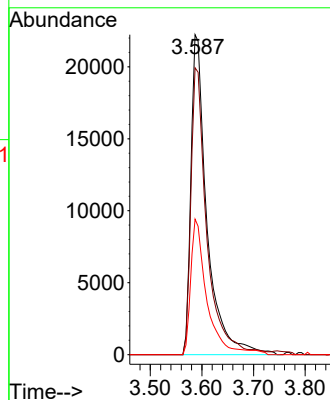
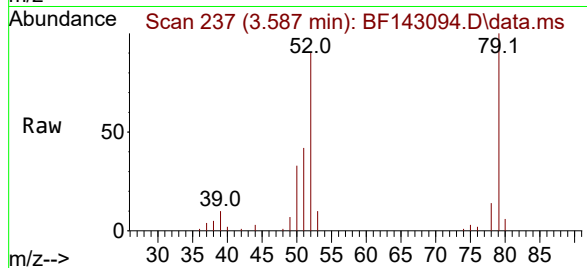
Tgt Ion:	79	Resp:	4800
Ion	Ratio	Lower	Upper
79	100		
52	89.6	69.2	103.8
51	42.3	33.3	49.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#5

2-Fluorophenol

Concen: 10.540 ng

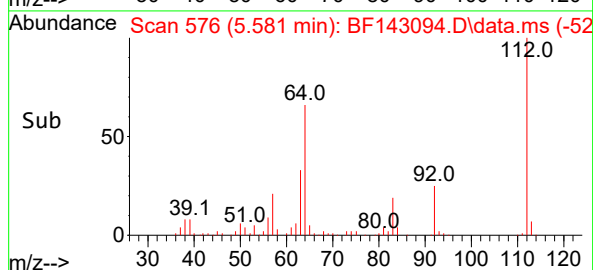
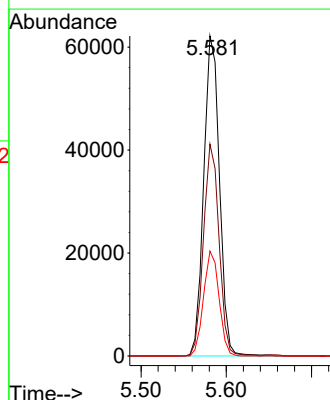
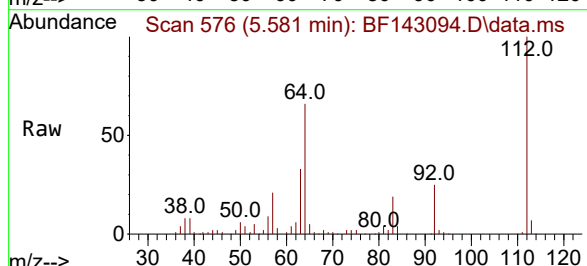
RT: 5.581 min Scan# 576

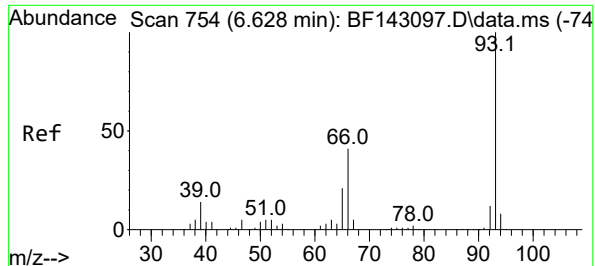
Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Tgt Ion:	112	Resp:	79738
Ion	Ratio	Lower	Upper
112	100		
64	66.2	54.6	82.0
63	32.8	27.3	40.9





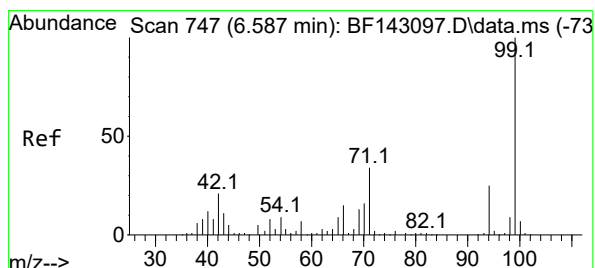
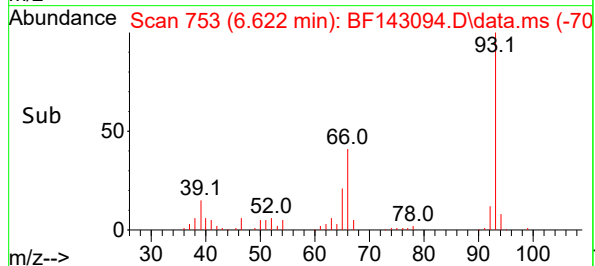
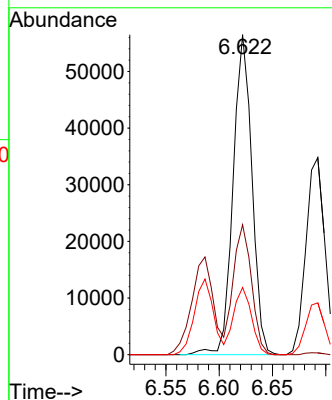
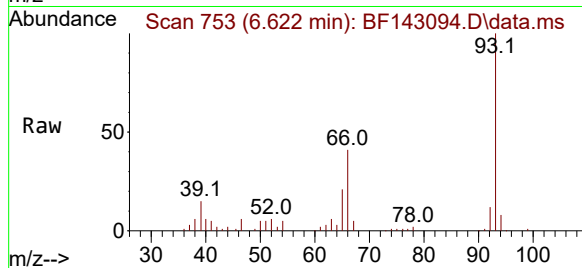
#6
Aniline
Concen: 5.198 ng
RT: 6.622 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 6961
Ion Ratio Lower Upper
93 100
66 40.6 33.1 49.7
65 21.0 16.9 25.3

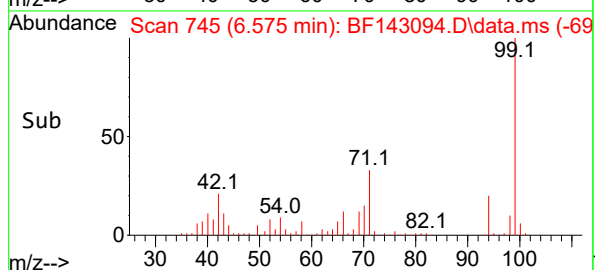
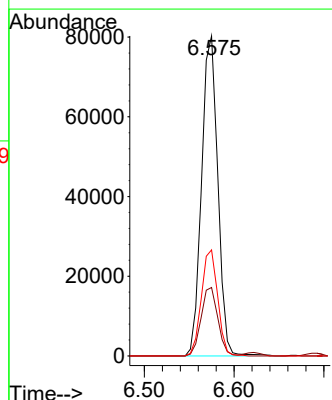
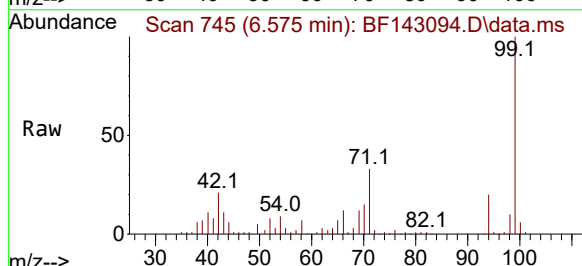
Manual Integrations
APPROVED

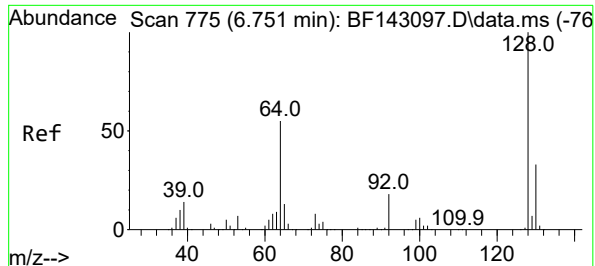
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#7
Phenol-d6
Concen: 10.590 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

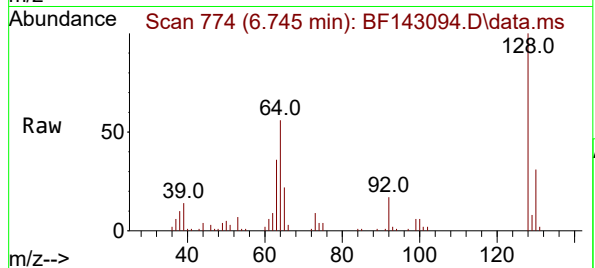
Tgt Ion: 99 Resp: 100706
Ion Ratio Lower Upper
99 100
42 21.4 17.2 25.8
71 33.2 27.4 41.0





#8
2-Chlorophenol
Concen: 4.871 ng
RT: 6.745 min Scan# 775
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

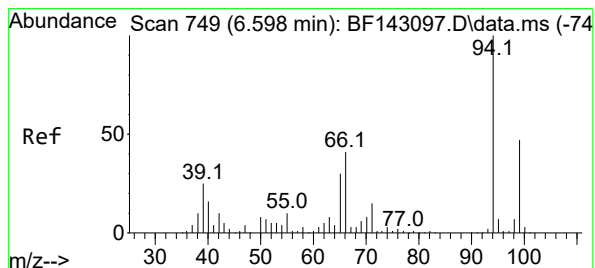
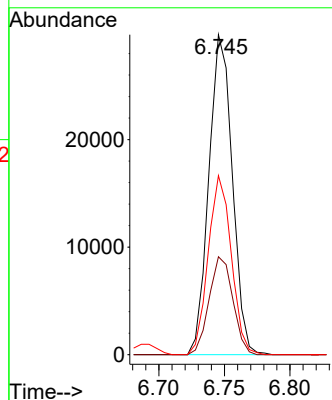
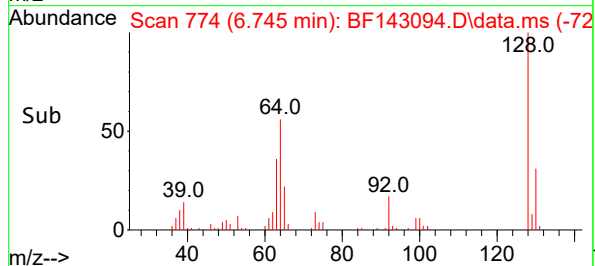
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:128 Resp: 37020
Ion Ratio Lower Upper
128 100
130 30.6 12.8 52.8
64 55.9 36.1 76.1

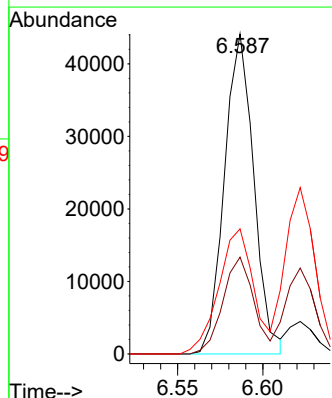
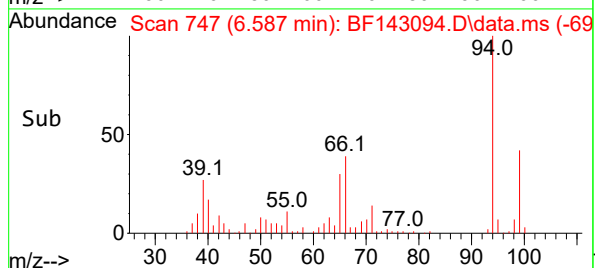
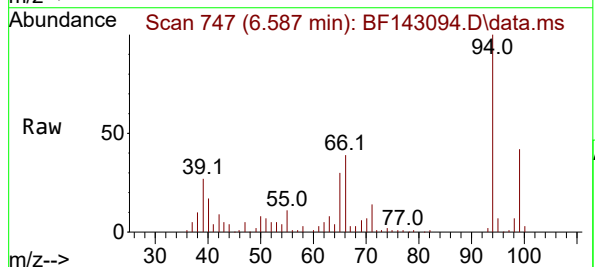
Manual Integrations
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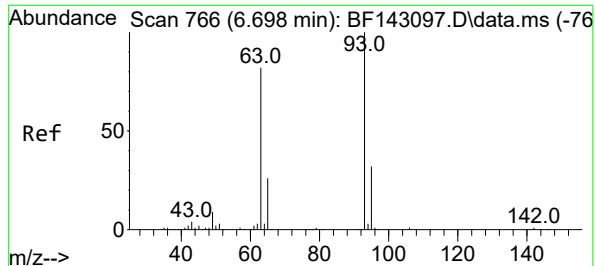
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#10
Phenol
Concen: 5.127 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 94 Resp: 52784
Ion Ratio Lower Upper
94 100
65 30.3 9.8 49.8
66 39.1 20.5 60.5





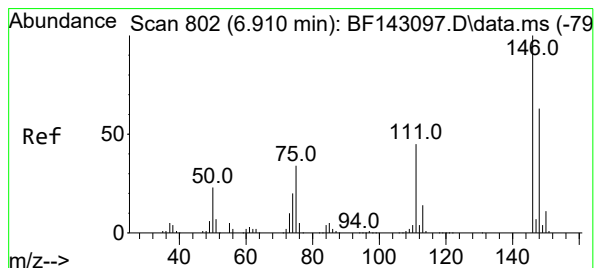
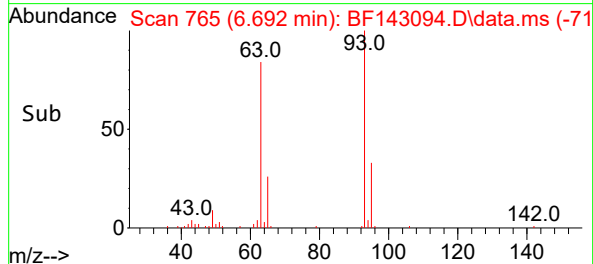
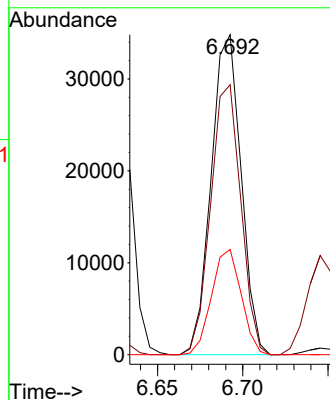
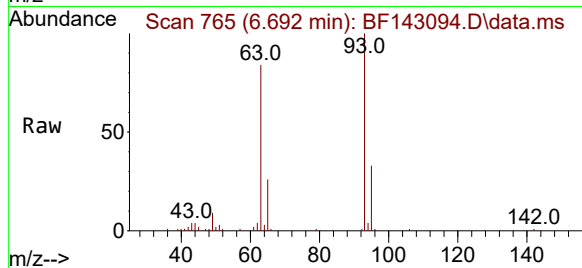
#11
bis(2-Chloroethyl)ether
Concen: 5.342 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 42574
Ion Ratio Lower Upper
93 100
63 84.4 61.9 101.9
95 32.9 12.2 52.2

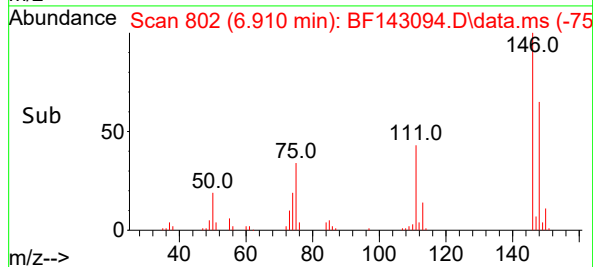
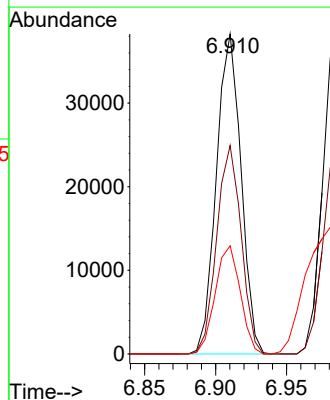
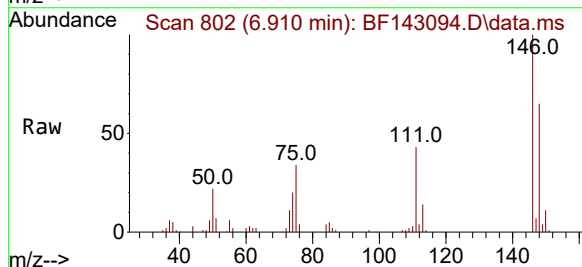
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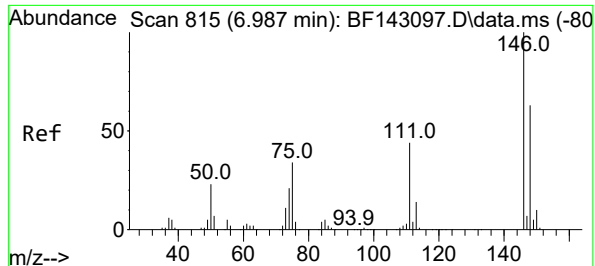
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#12
1,3-Dichlorobenzene
Concen: 5.382 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:146 Resp: 46218
Ion Ratio Lower Upper
146 100
148 65.2 50.1 75.1
75 33.8 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 5.431 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

Tgt Ion:146 Resp: 46918

Ion Ratio Lower Upper

146 100

148 63.7 50.6 76.0

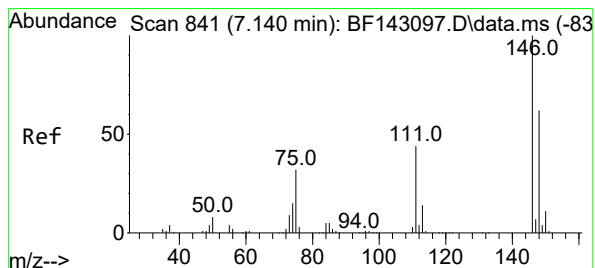
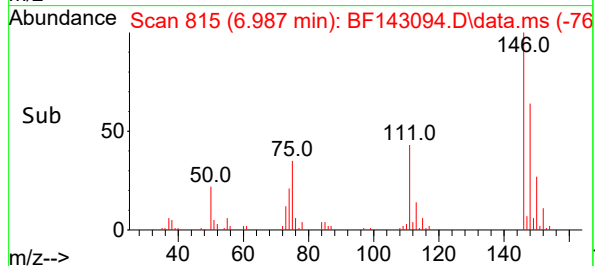
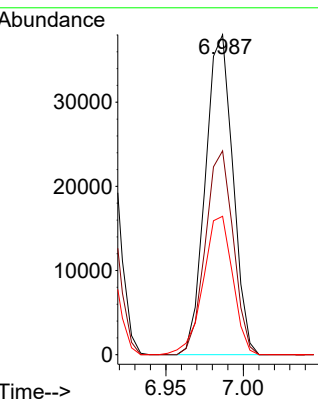
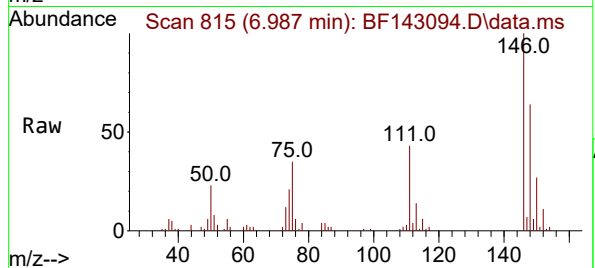
111 43.3 35.0 52.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#14

1,2-Dichlorobenzene

Concen: 5.323 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

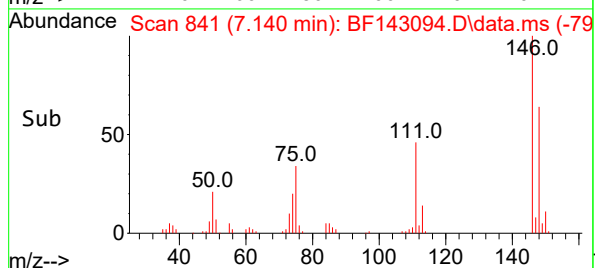
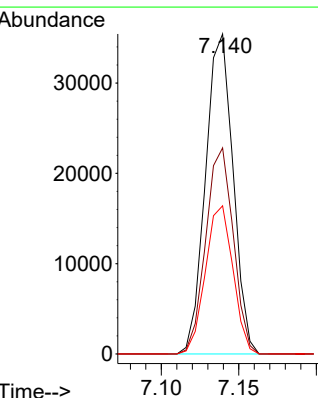
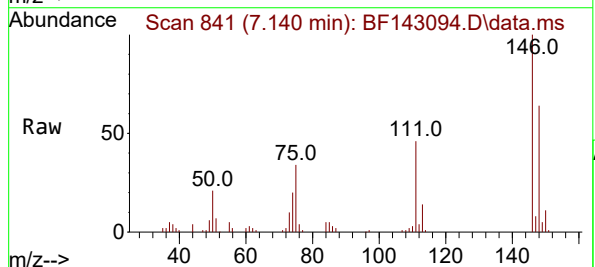
Tgt Ion:146 Resp: 43854

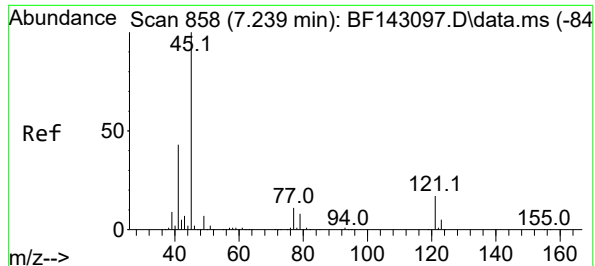
Ion Ratio Lower Upper

146 100

148 64.4 49.8 74.6

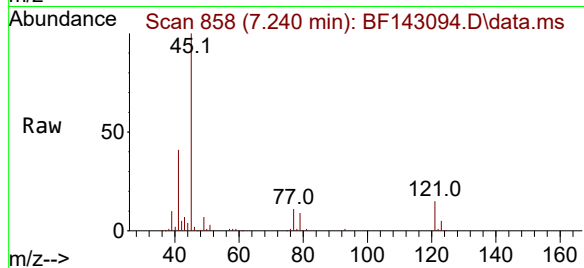
111 46.3 35.4 53.0





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.518 ng
RT: 7.240 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

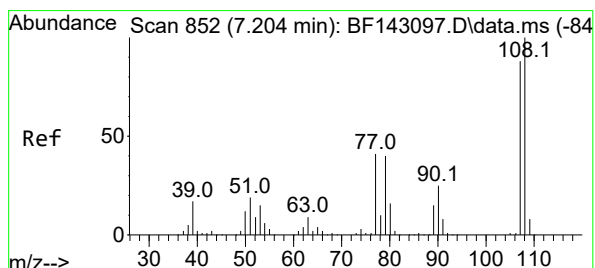
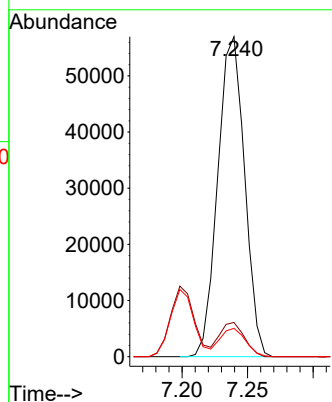
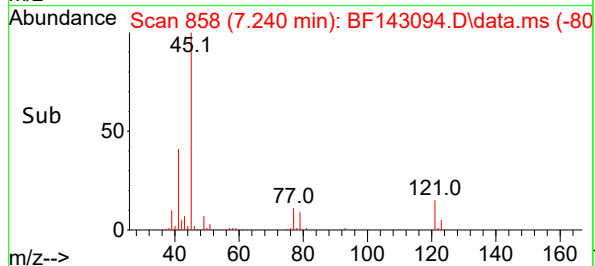
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion: 45 Resp: 8106
Ion Ratio Lower Upper
45 100
77 10.7 0.0 31.1
79 8.8 0.0 28.4

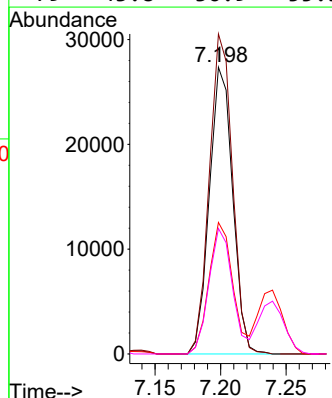
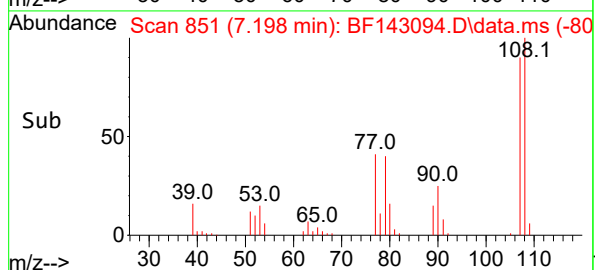
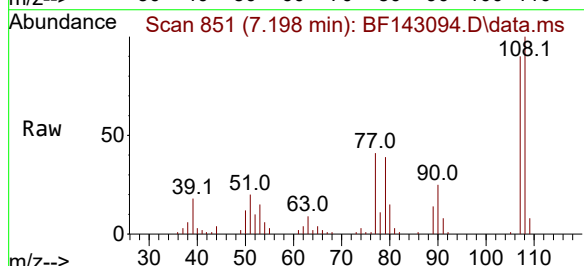
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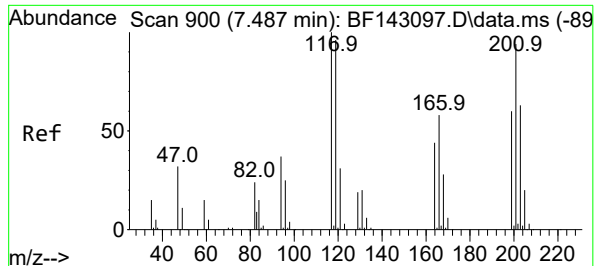
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#17
2-Methylphenol
Concen: 5.158 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:107 Resp: 33834
Ion Ratio Lower Upper
107 100
108 111.6 90.9 136.3
77 45.9 37.5 56.3
79 43.8 36.9 55.3





#18

Hexachloroethane

Concen: 4.938 ng

RT: 7.487 min Scan# 900

Delta R.T. 0.000 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:117 Resp: 13889

Ion Ratio Lower Upper

117 100

119 95.7 76.7 115.1

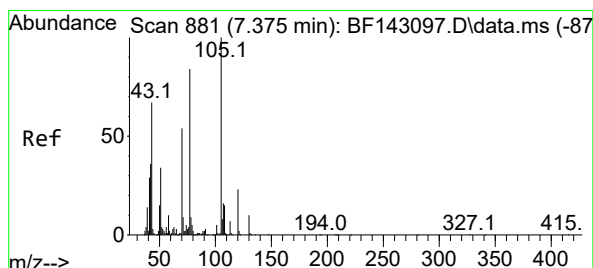
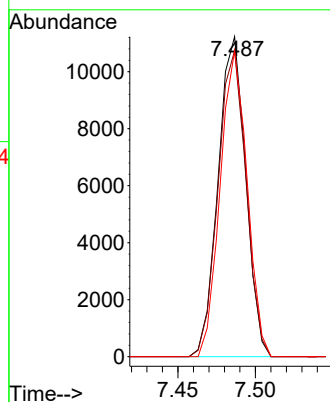
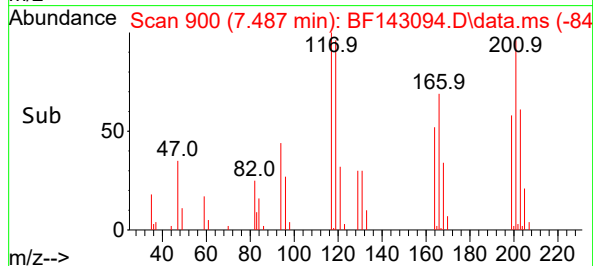
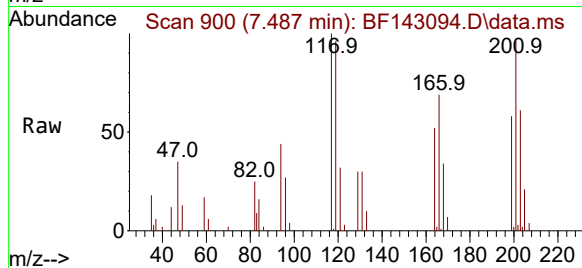
201 95.6 75.0 112.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#19

n-Nitroso-di-n-propylamine

Concen: 5.277 ng

RT: 7.363 min Scan# 879

Delta R.T. -0.012 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Tgt Ion: 70 Resp: 30747

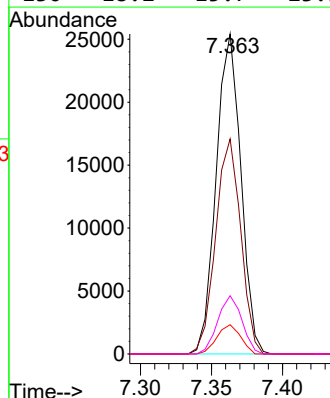
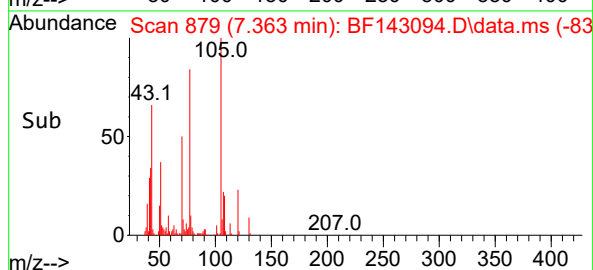
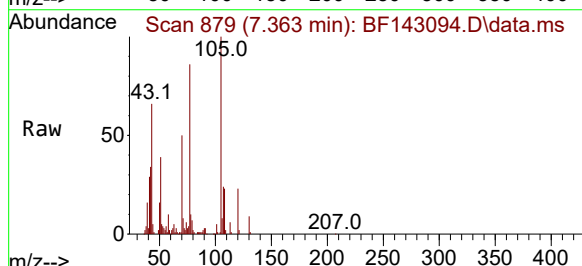
Ion Ratio Lower Upper

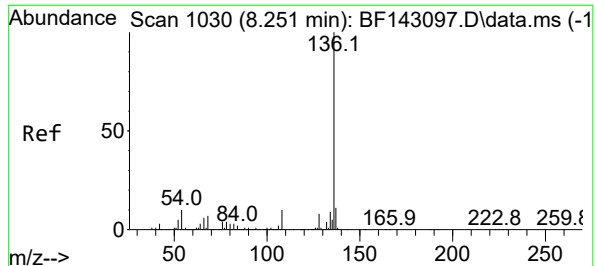
70 100

42 67.2 53.2 79.8

101 9.1 7.5 11.3

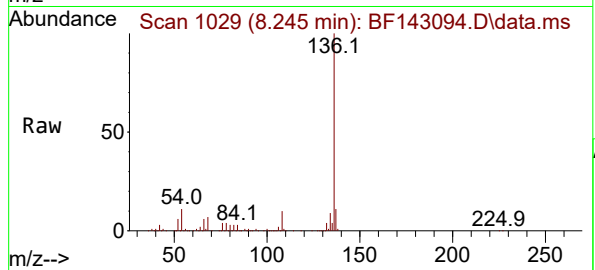
130 18.2 15.7 23.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

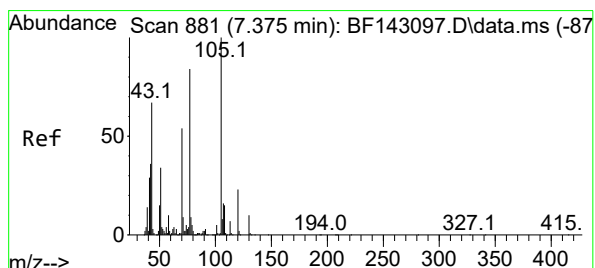
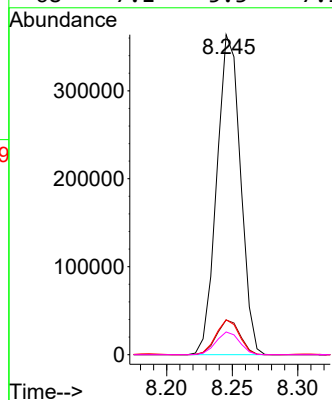
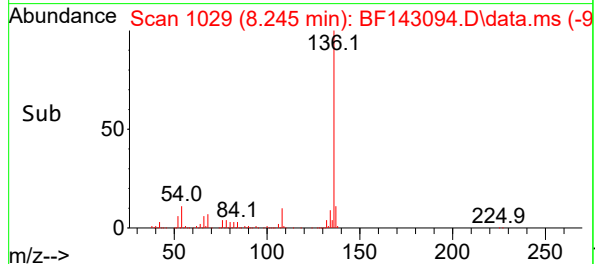
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:136 Resp: 45644
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.9 8.3 12.5
68 7.1 5.3 7.9

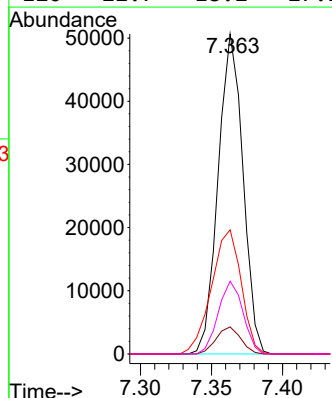
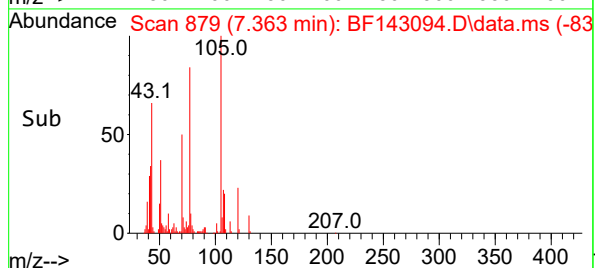
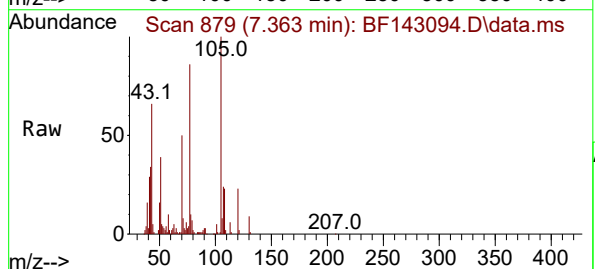
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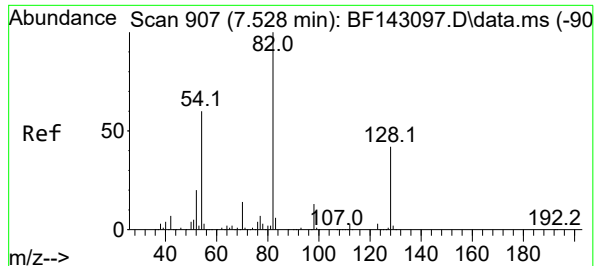
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#22
Acetophenone
Concen: 5.580 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:105 Resp: 61393
Ion Ratio Lower Upper
105 100
71 8.5 7.2 10.8
51 38.8 27.0 40.4
120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 7.927 ng m

RT: 7.516 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 82 Resp: 64500

Ion Ratio Lower Upper

82 100

128 37.2 33.3 49.9

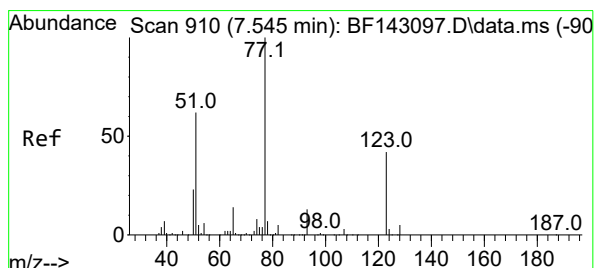
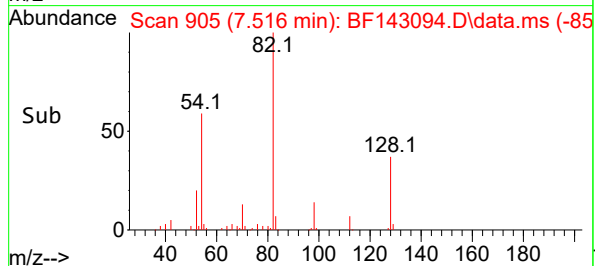
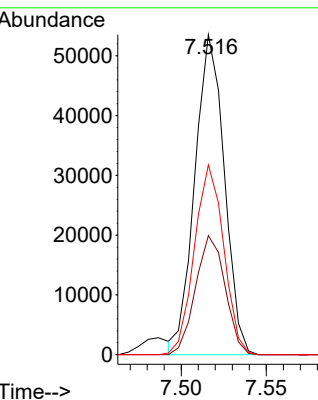
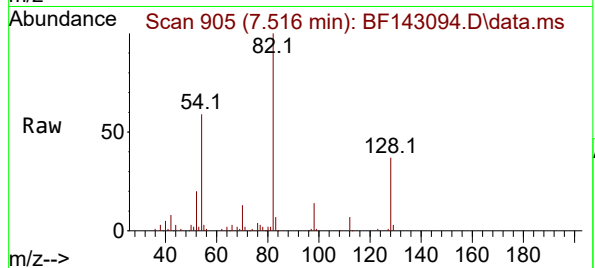
54 59.3 47.4 71.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#24

Nitrobenzene

Concen: 4.100 ng

RT: 7.534 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

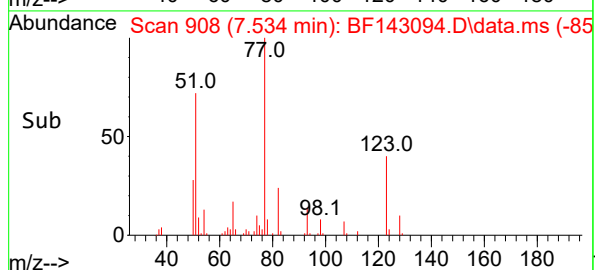
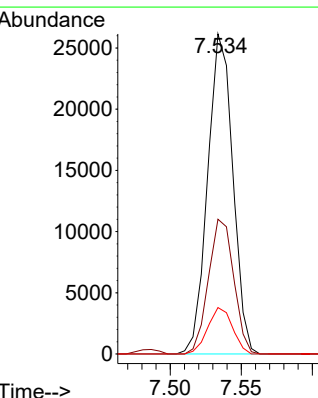
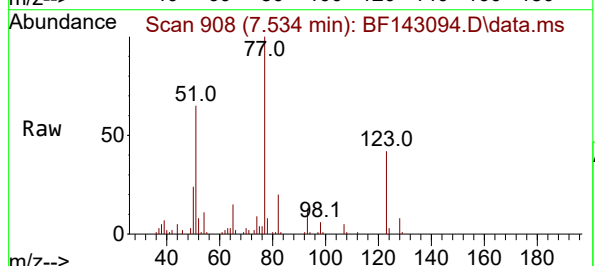
Tgt Ion: 77 Resp: 32206

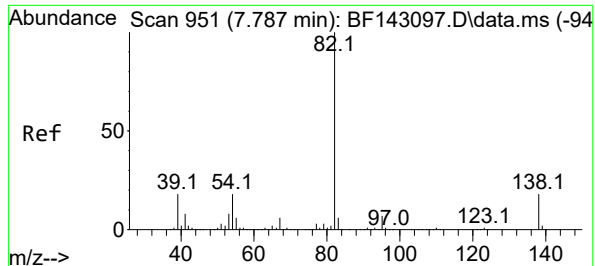
Ion Ratio Lower Upper

77 100

123 42.1 34.5 51.7

65 14.5 11.3 16.9





#25

Isophorone

Concen: 5.118 ng

RT: 7.775 min Scan# 949

Delta R.T. -0.012 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

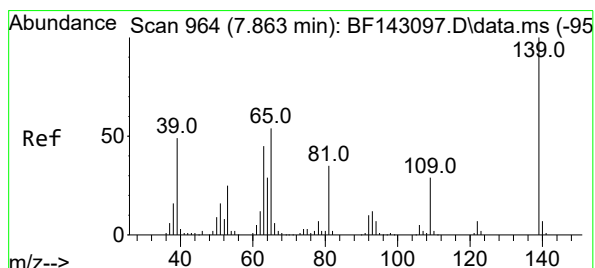
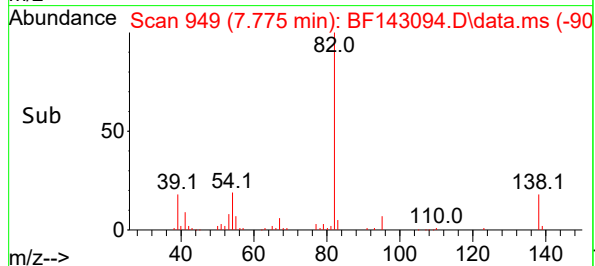
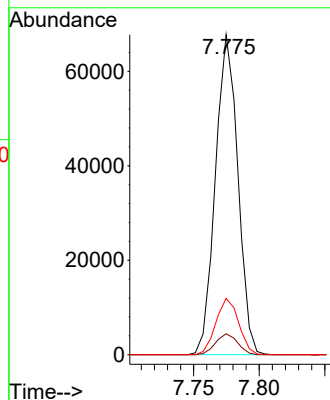
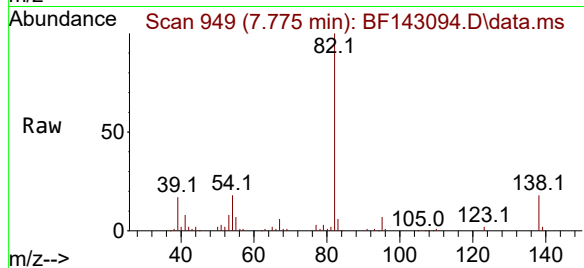
Tgt Ion:	82	Resp:	80494
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.6	8.4
138	17.6	14.3	21.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#26

2-Nitrophenol

Concen: 6.037 ng

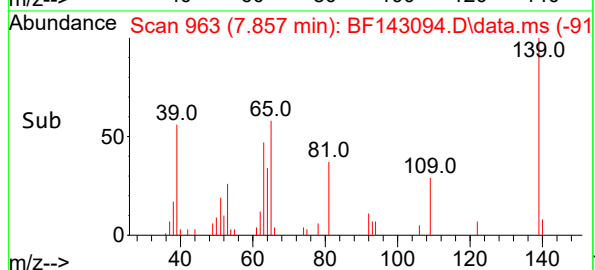
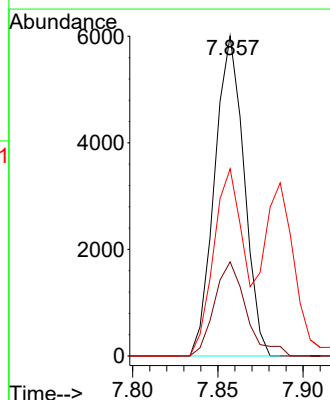
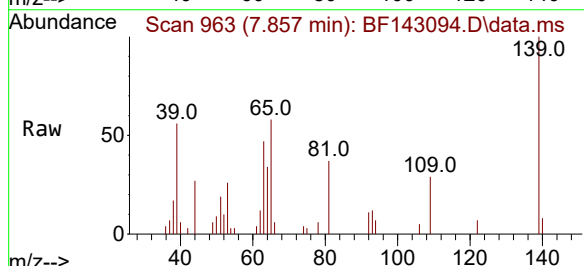
RT: 7.857 min Scan# 963

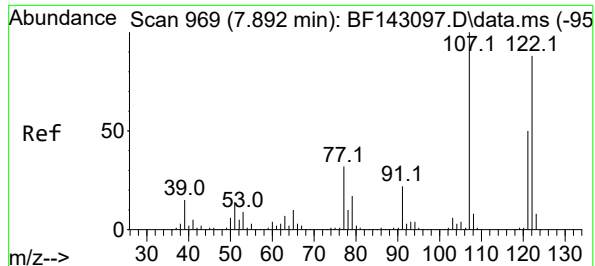
Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Tgt Ion:	139	Resp:	7204
Ion Ratio	Lower	Upper	
139	100		
109	29.4	23.4	35.0
65	58.5	43.4	65.2





#27

2,4-Dimethylphenol

Concen: 5.082 ng

RT: 7.887 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:122 Resp: 37098

Ion Ratio Lower Upper

122 100

107 110.4 91.3 136.9

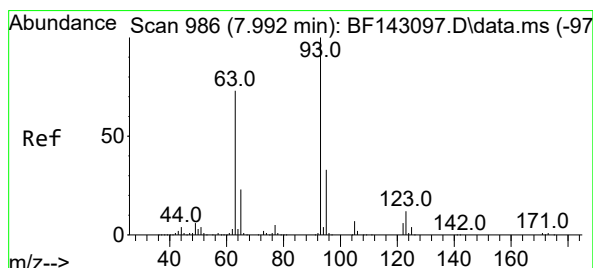
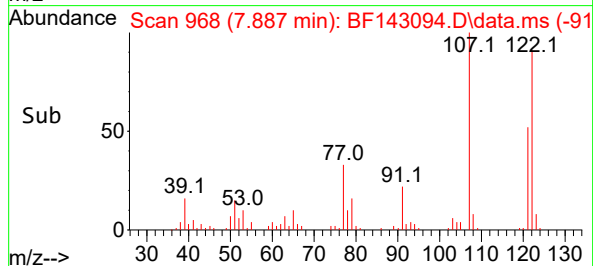
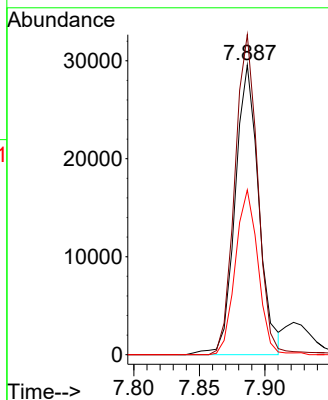
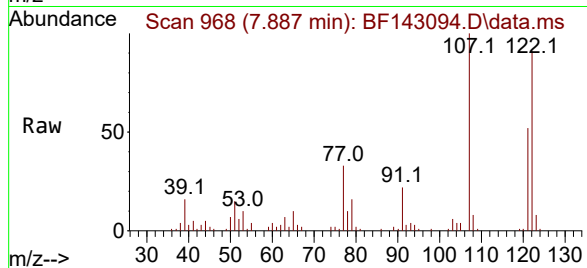
121 56.9 45.5 68.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#28

bis(2-Chloroethoxy)methane

Concen: 5.310 ng

RT: 7.987 min Scan# 985

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

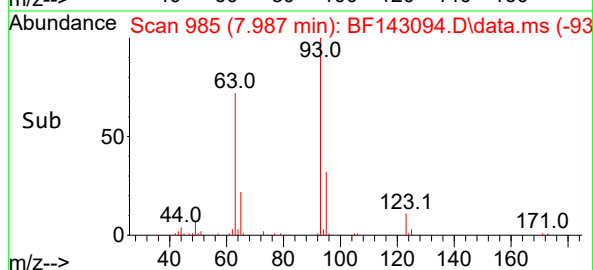
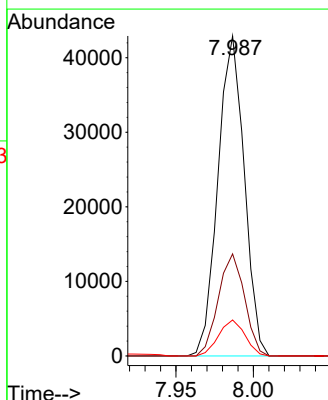
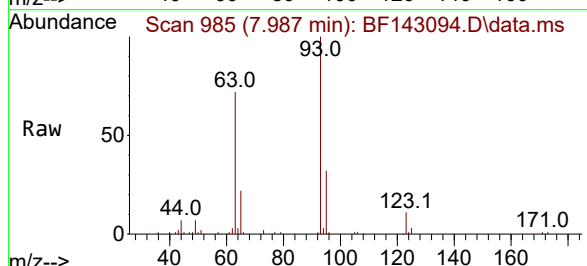
Tgt Ion: 93 Resp: 50637

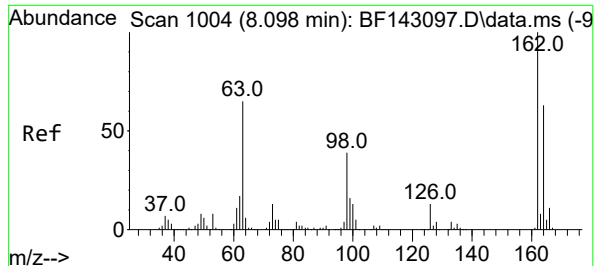
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.4

123 11.2 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 4.529 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

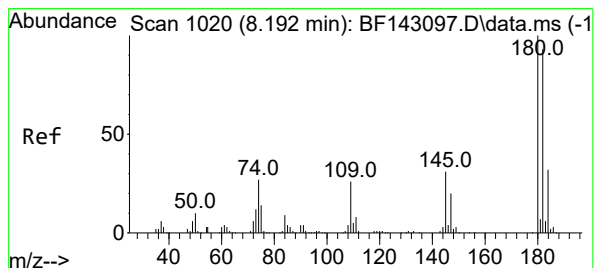
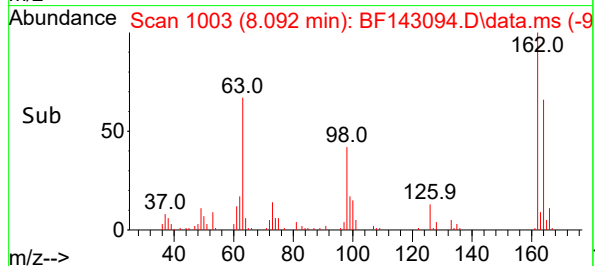
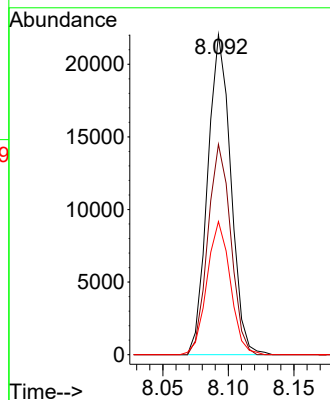
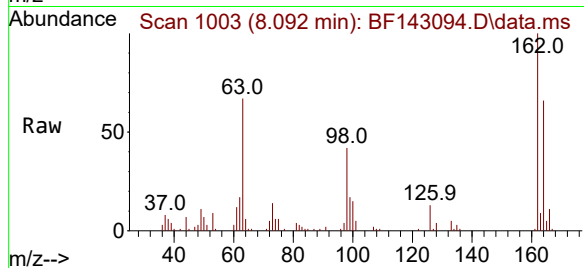
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.7	43.1	83.1
98	41.6	19.2	59.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#30

1,2,4-Trichlorobenzene

Concen: 5.315 ng

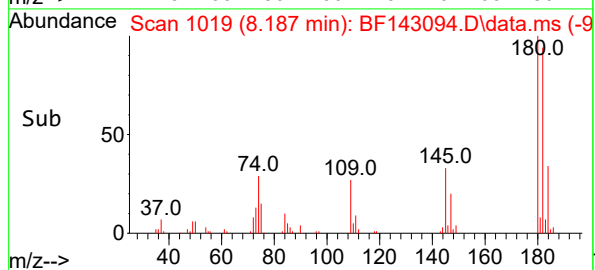
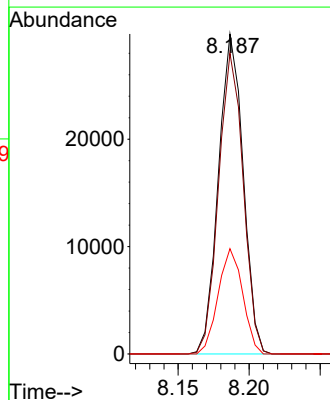
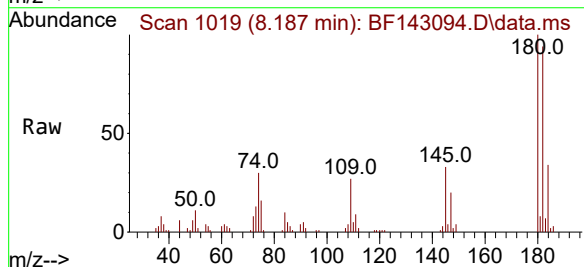
RT: 8.187 min Scan# 1019

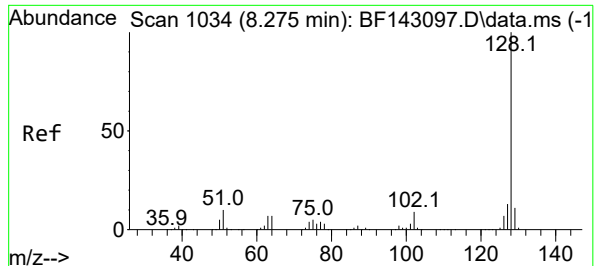
Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.7	112.1
145	32.9	24.5	36.7





#31

Naphthalene

Concen: 5.535 ng

RT: 8.269 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:128 Resp: 12546

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

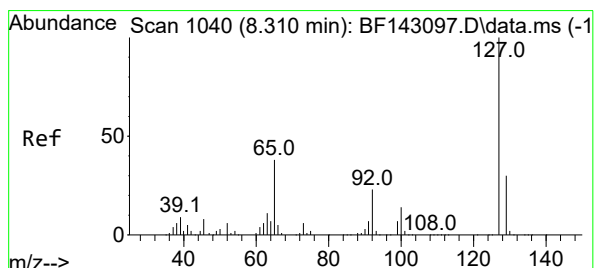
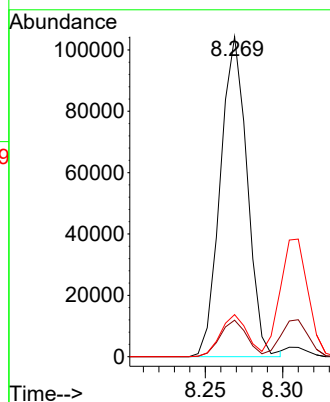
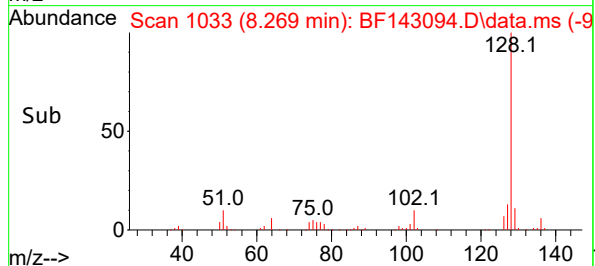
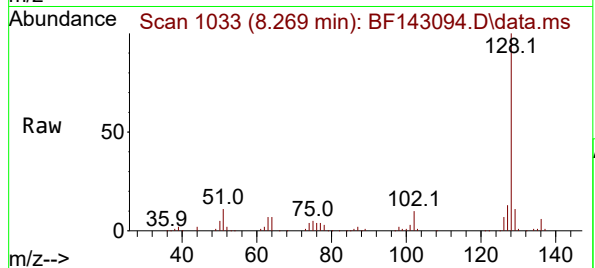
127 13.2 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#33

4-Chloroaniline

Concen: 5.260 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Tgt Ion:127 Resp: 47947

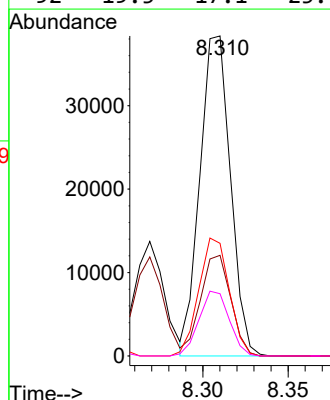
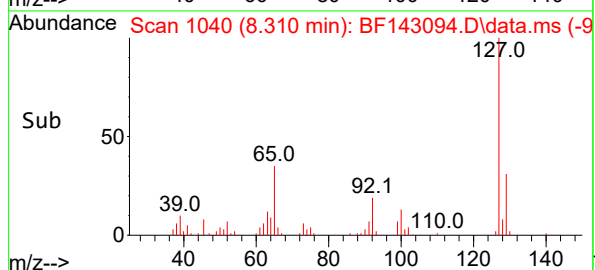
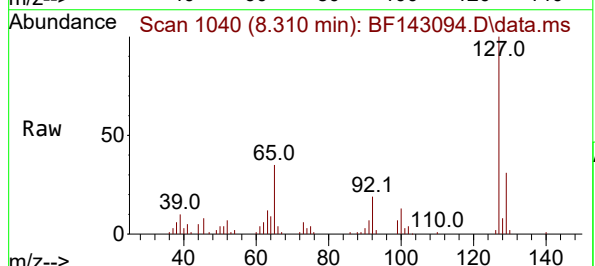
Ion Ratio Lower Upper

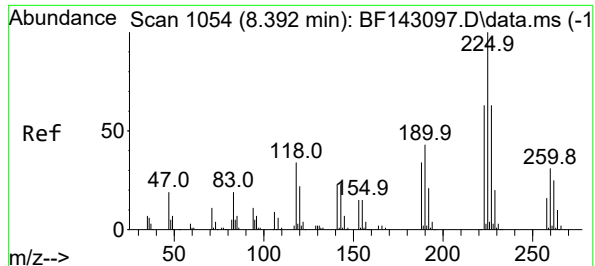
127 100

129 31.4 26.2 39.4

65 35.2 28.6 42.8

92 19.5 17.1 25.7





#34
Hexachlorobutadiene
Concen: 5.207 ng
RT: 8.392 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

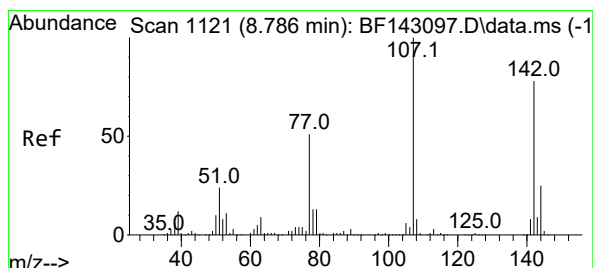
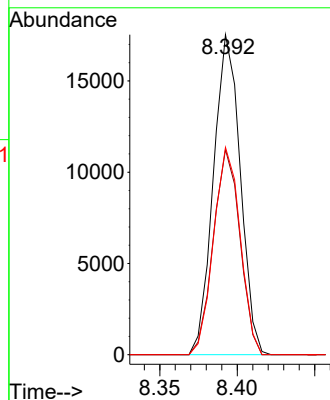
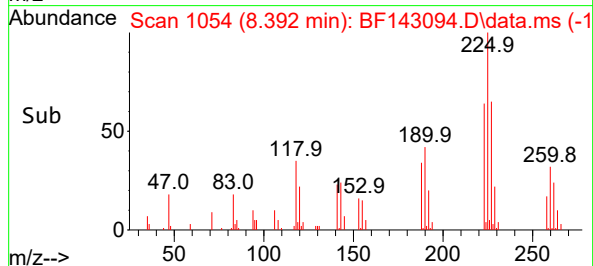
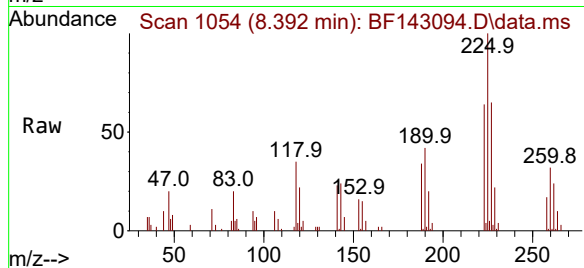
SSTDICC005

Tgt Ion:225 Resp: 2110
Ion Ratio Lower Upper
225 100
223 64.1 50.3 75.5
227 64.8 50.1 75.1

Manual Integrations

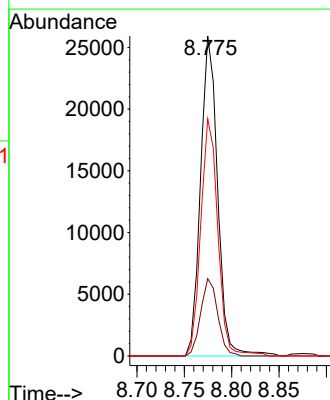
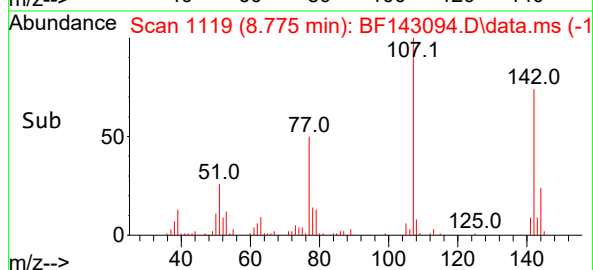
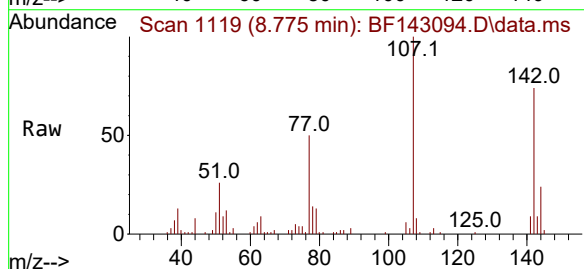
APPROVED

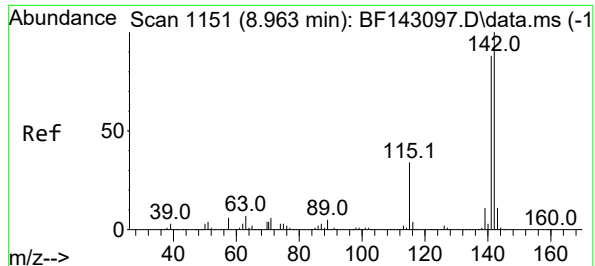
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#36
4-Chloro-3-methylphenol
Concen: 4.892 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

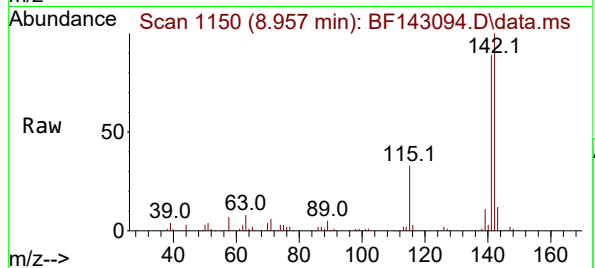
Tgt Ion:107 Resp: 32542
Ion Ratio Lower Upper
107 100
144 24.1 20.2 30.2
142 74.1 62.4 93.6





#37
2-Methylnaphthalene
Concen: 5.436 ng
RT: 8.957 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

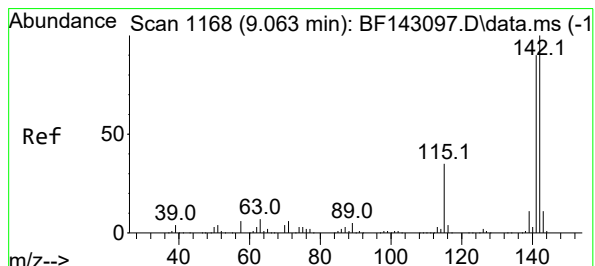
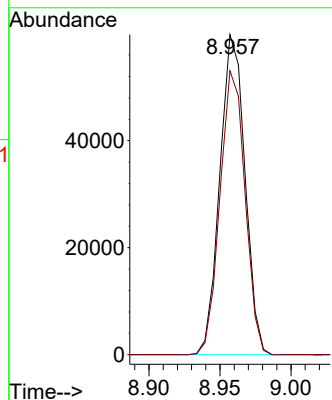
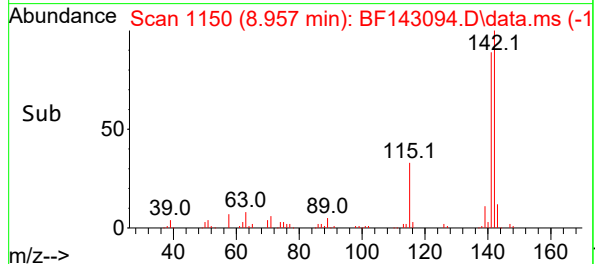
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:142 Resp: 7351
Ion Ratio Lower Upper
142 100
141 88.7 70.2 105.2

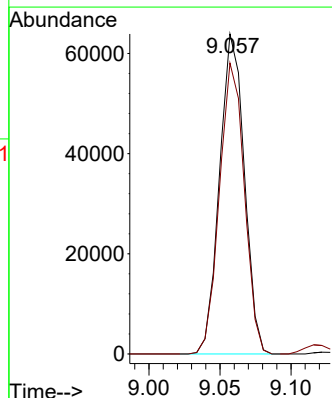
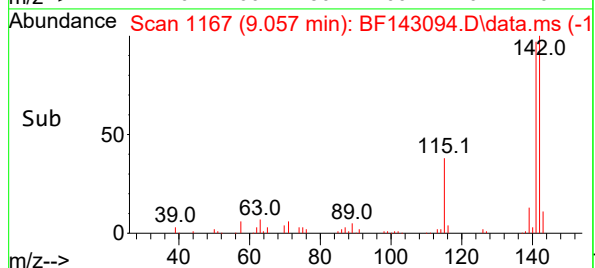
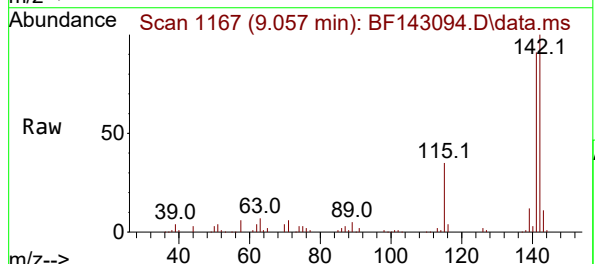
Manual Integrations
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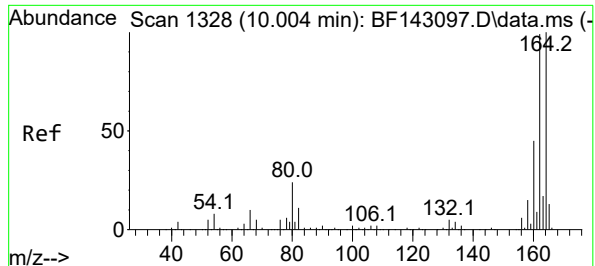
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#38
1-Methylnaphthalene
Concen: 5.518 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:142 Resp: 77390
Ion Ratio Lower Upper
142 100
141 90.9 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143094.D

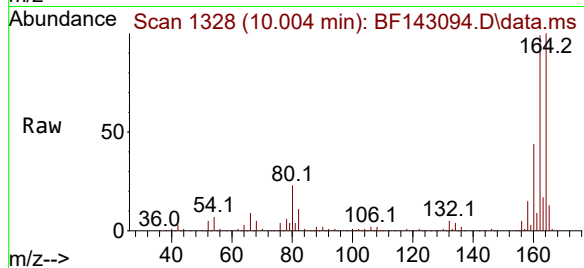
Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:164 Resp: 23097

Ion Ratio Lower Upper

164 100

162 98.5 79.0 118.6

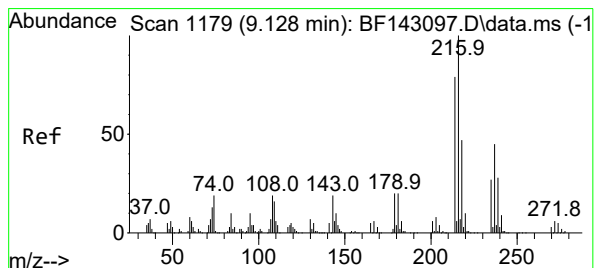
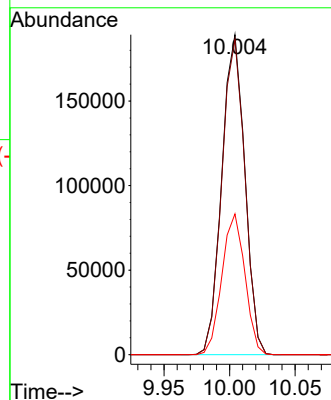
160 44.0 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#40

1,2,4,5-Tetrachlorobenzene

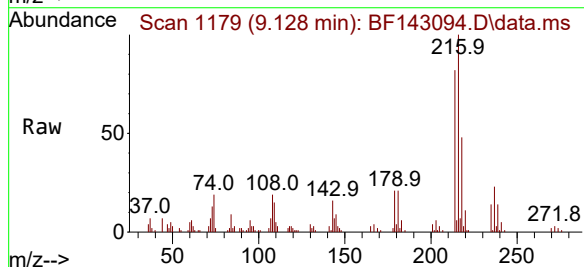
Concen: 5.286 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35



Tgt Ion:216 Resp: 35579

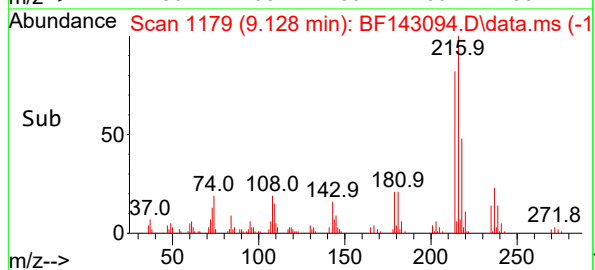
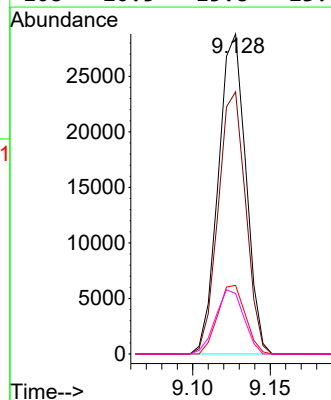
Ion Ratio Lower Upper

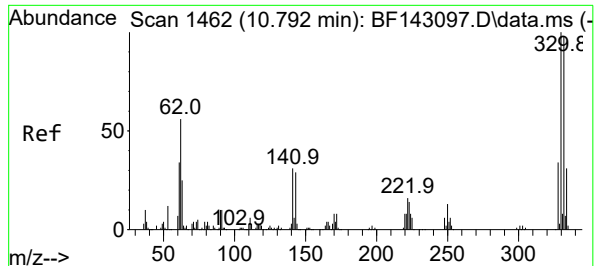
216 100

214 81.8 62.6 94.0

179 21.6 16.2 24.2

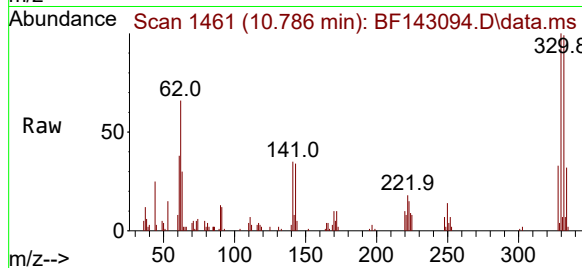
108 20.5 15.8 23.6





#42
2,4,6-Tribromophenol
Concen: 7.625 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

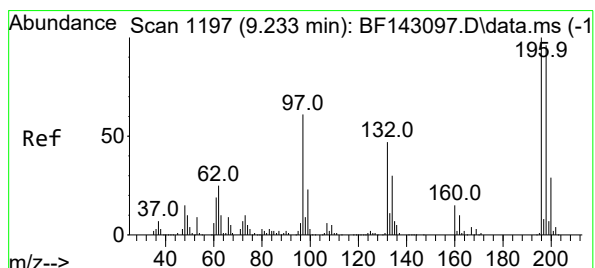
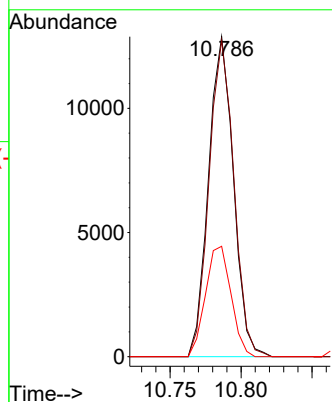
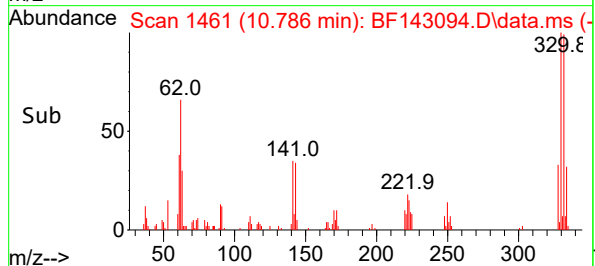
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:330 Resp: 1570
Ion Ratio Lower Upper
330 100
332 98.4 77.9 116.9
141 35.3 25.9 38.9

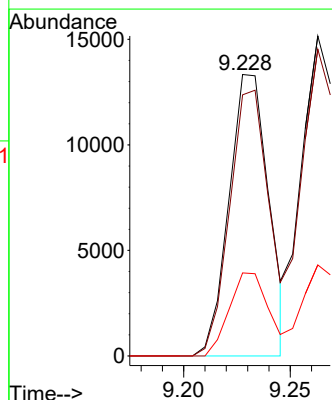
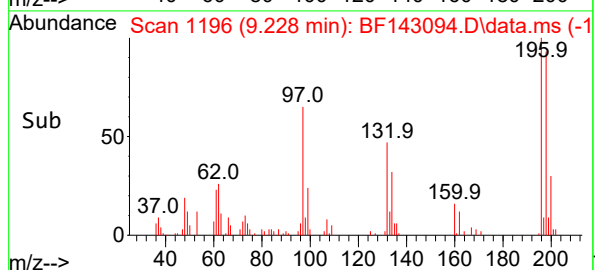
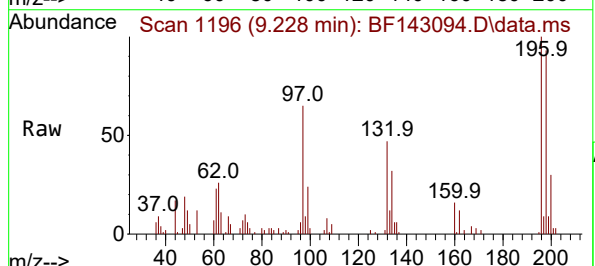
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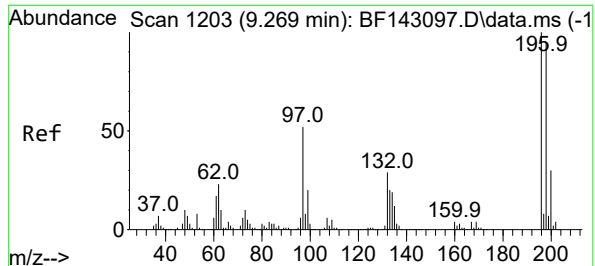
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#43
2,4,6-Trichlorophenol
Concen: 4.135 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

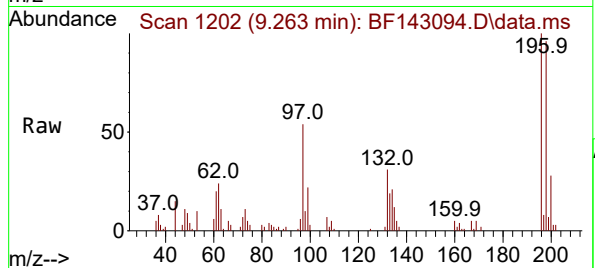
Tgt Ion:196 Resp: 17295
Ion Ratio Lower Upper
196 100
198 92.8 76.9 115.3
200 29.5 23.5 35.3





#44
2,4,5-Trichlorophenol
Concen: 4.427 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

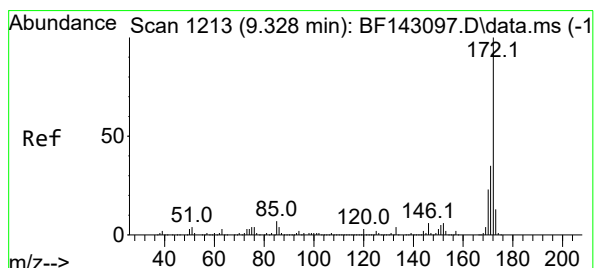
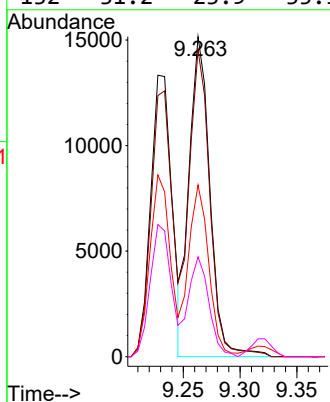
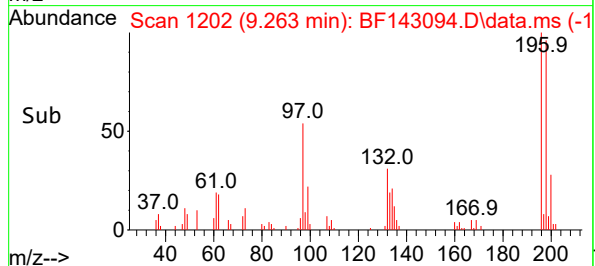
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:196 Resp: 19410
Ion Ratio Lower Upper
196 100
198 95.9 76.4 114.6
97 53.7 42.4 63.6
132 31.2 23.9 35.9

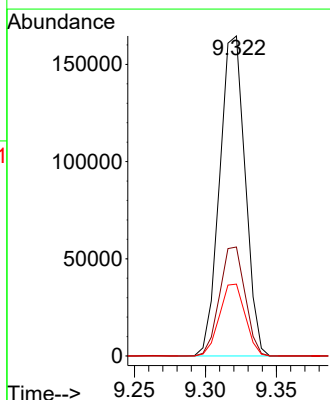
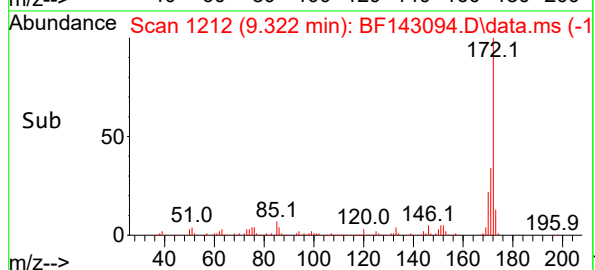
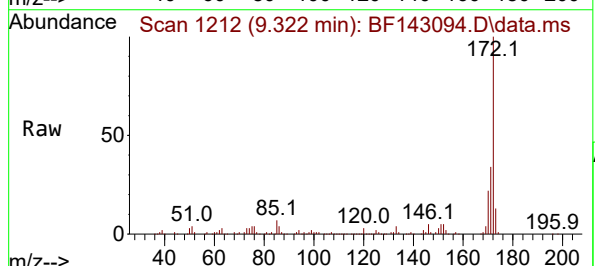
Manual Integrations
APPROVED

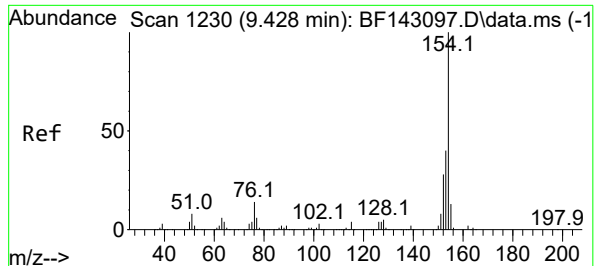
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#45
2-Fluorobiphenyl
Concen: 11.814 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

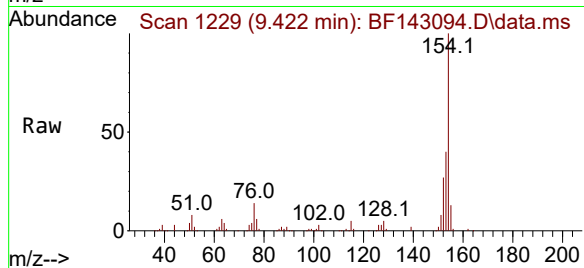
Tgt Ion:172 Resp: 205273
Ion Ratio Lower Upper
172 100
171 34.1 28.2 42.4
170 22.5 18.6 28.0





#46
1,1'-Biphenyl
Concen: 5.486 ng
RT: 9.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

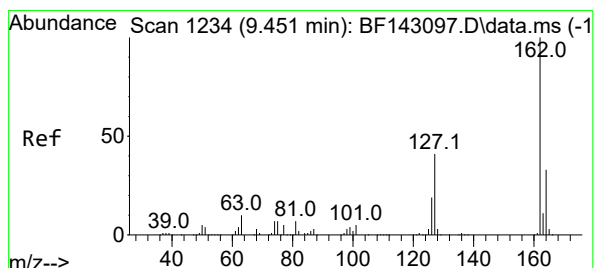
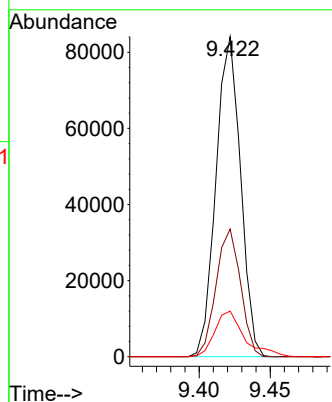
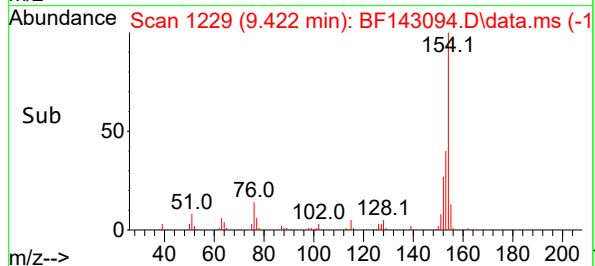
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



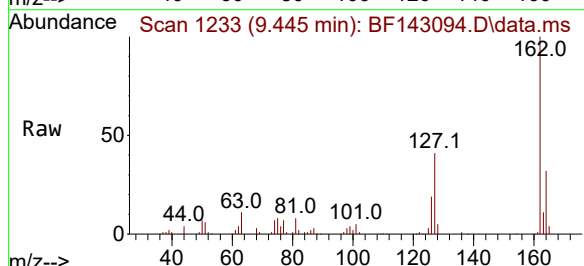
Tgt Ion:154 Resp: 101050
Ion Ratio Lower Upper
154 100
153 39.9 20.1 60.1
76 14.2 0.0 33.7

Manual Integrations
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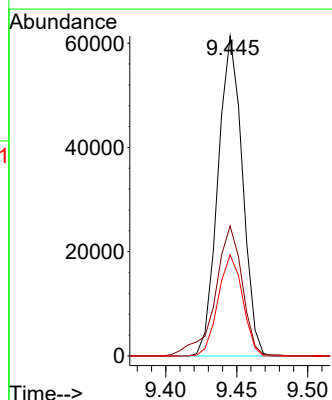
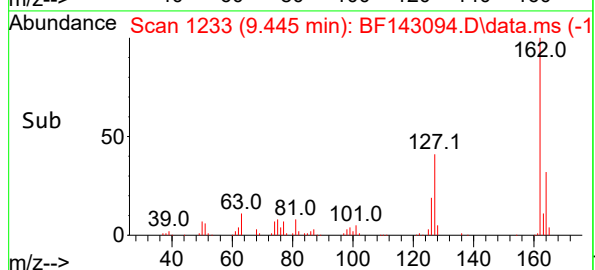
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

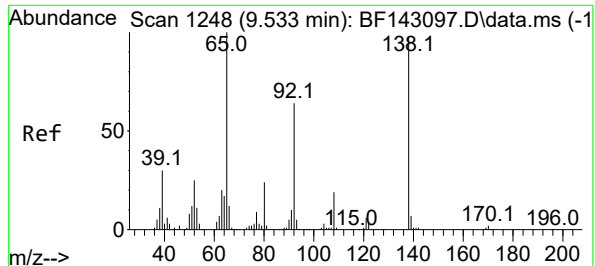


#47
2-Chloronaphthalene
Concen: 5.423 ng
RT: 9.445 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35



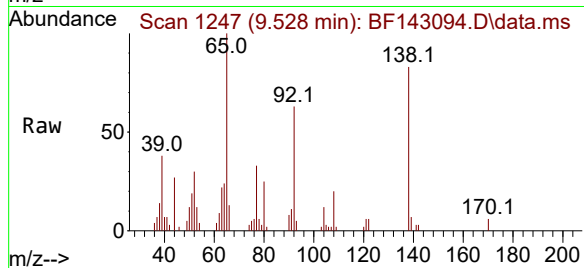
Tgt Ion:162 Resp: 73385
Ion Ratio Lower Upper
162 100
127 40.6 33.0 49.6
164 31.6 26.1 39.1





#48
2-Nitroaniline
Concen: 5.579 ng
RT: 9.528 min Scan# 110
Delta R.T. -0.005 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

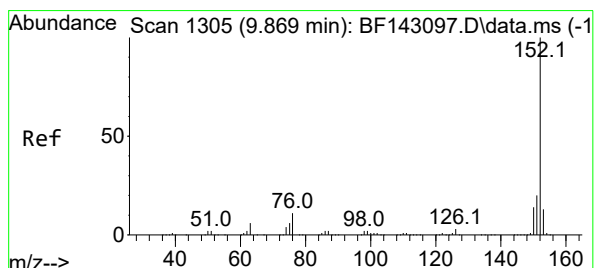
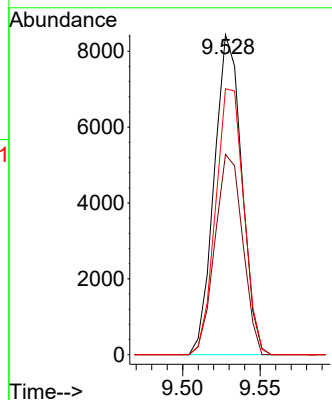
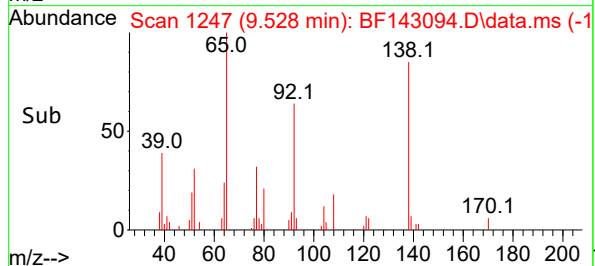
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



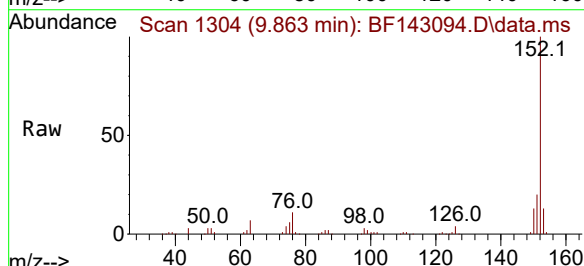
Tgt Ion: 65 Resp: 10398
Ion Ratio Lower Upper
65 100
92 62.6 51.3 76.9
138 83.1 77.8 116.6

Manual Integrations
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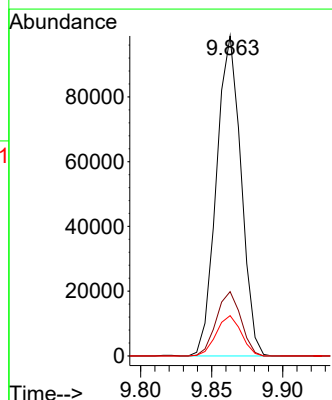
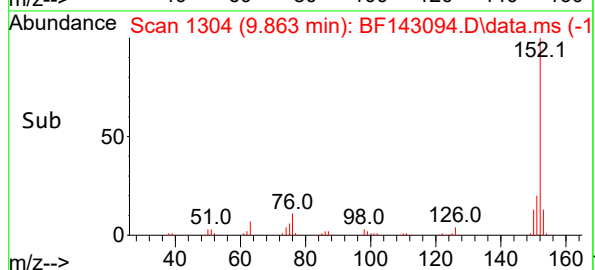
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

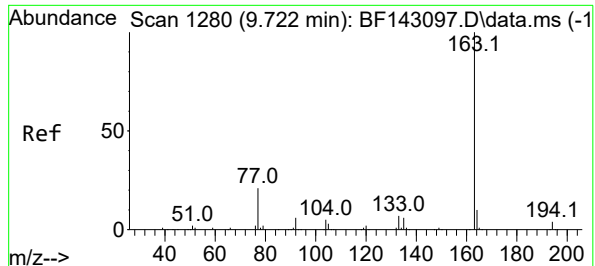


#49
Acenaphthylene
Concen: 5.276 ng
RT: 9.863 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35



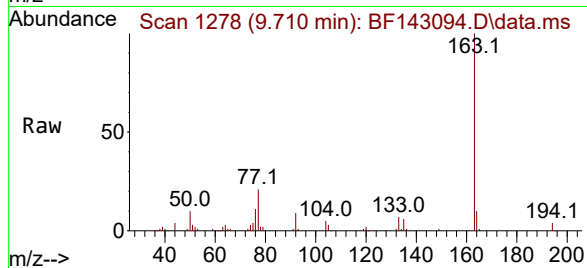
Tgt Ion:152 Resp: 118965
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.8
153 12.6 10.4 15.6





#50
Dimethylphthalate
Concen: 5.207 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

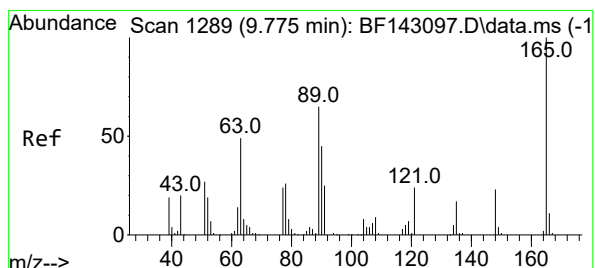
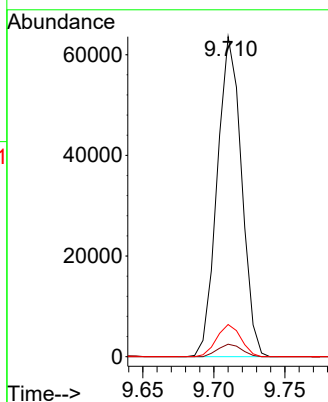
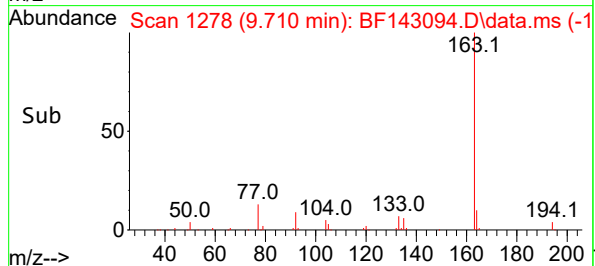
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:163 Resp: 75659
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 10.1 8.2 12.2

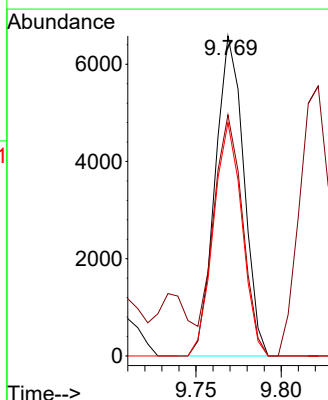
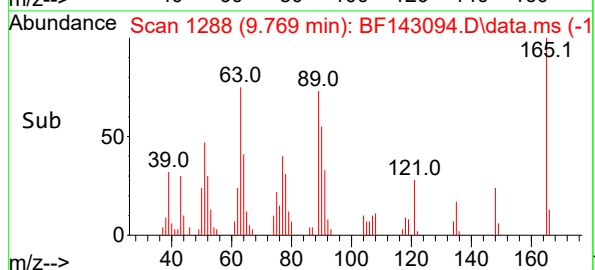
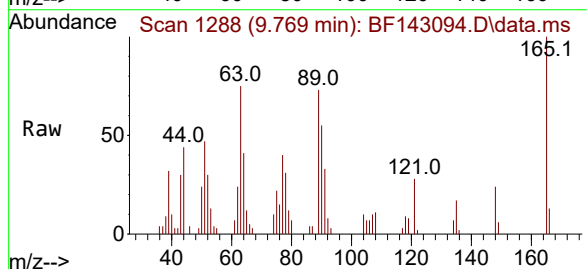
Manual Integrations
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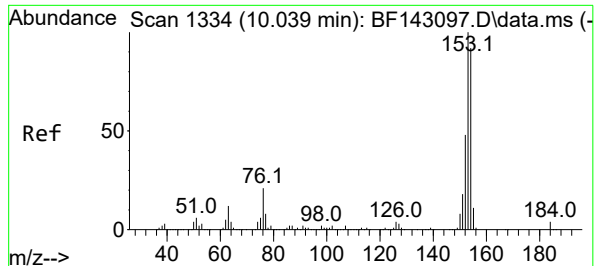
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#51
2,6-Dinitrotoluene
Concen: 5.308 ng
RT: 9.769 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

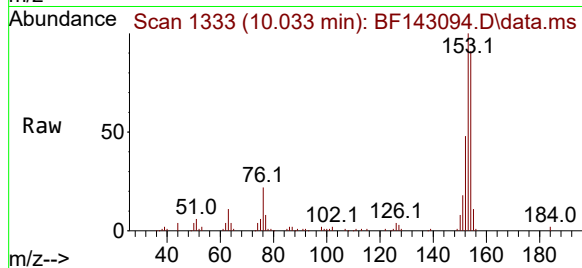
Tgt Ion:165 Resp: 7659
Ion Ratio Lower Upper
165 100
63 75.4 57.4 86.0
89 72.9 51.8 77.8





#52
Acenaphthene
Concen: 5.526 ng
RT: 10.033 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

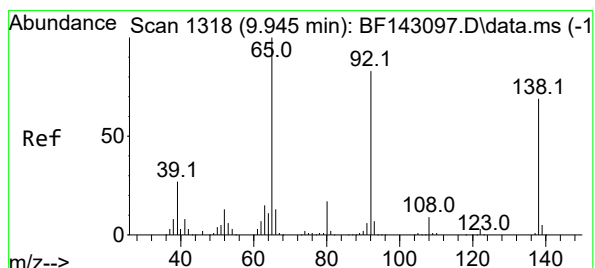
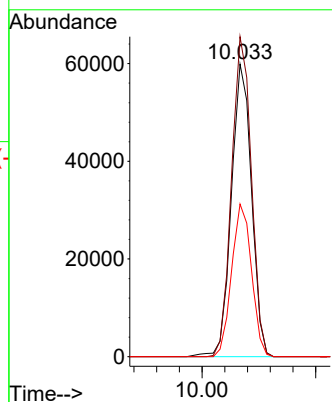
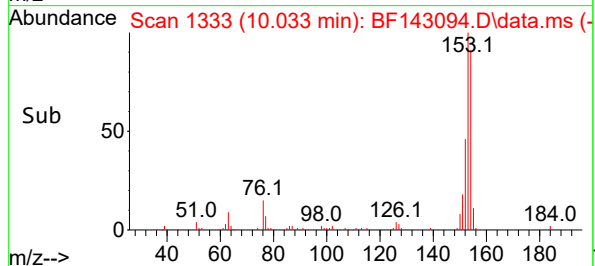
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:154 Resp: 7353
Ion Ratio Lower Upper
154 100
153 109.4 86.7 130.1
152 52.2 41.4 62.2

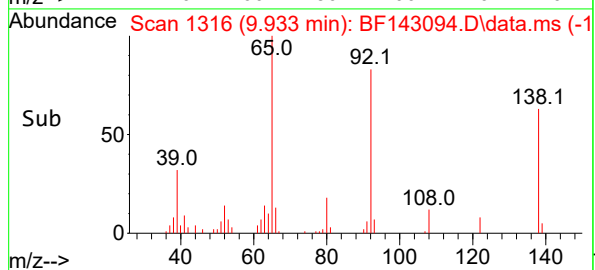
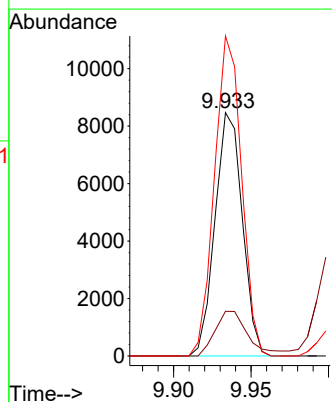
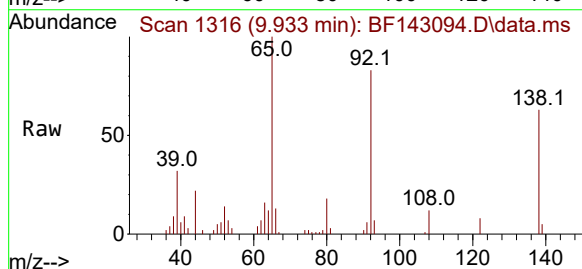
Manual Integrations
APPROVED

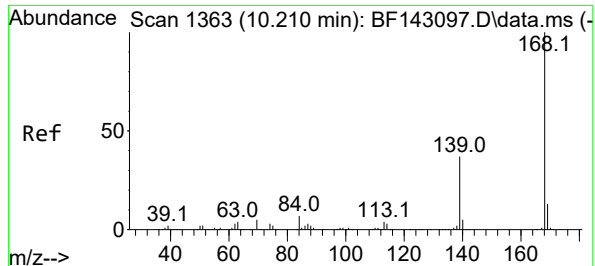
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#53
3-Nitroaniline
Concen: 3.307 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:138 Resp: 10382
Ion Ratio Lower Upper
138 100
108 18.3 10.1 15.1#
92 131.5 96.4 144.6





#55

Dibenzenofuran

Concen: 5.518 ng

RT: 10.204 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:168 Resp: 10943

Ion Ratio Lower Upper

168 100

139 36.1 29.8 44.6

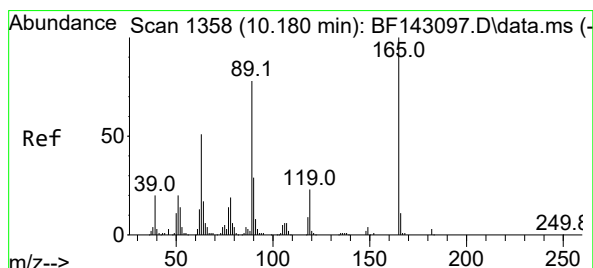
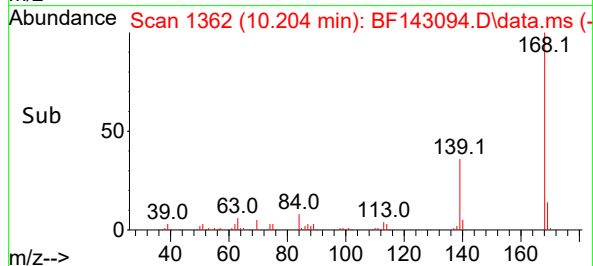
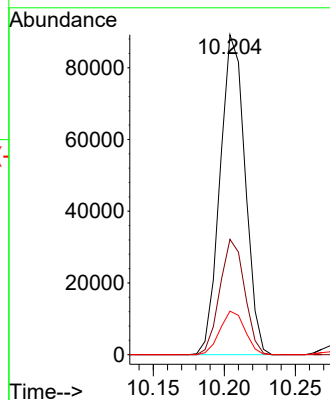
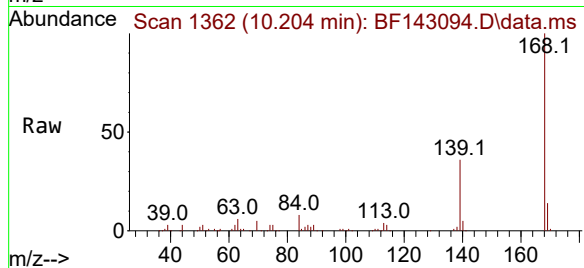
169 13.6 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#57

2,4-Dinitrotoluene

Concen: 5.606 ng

RT: 10.169 min Scan# 1356

Delta R.T. -0.011 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Tgt Ion:165 Resp: 8515

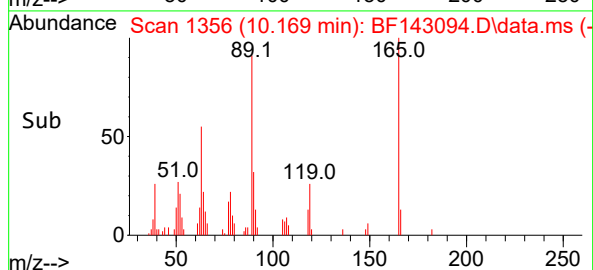
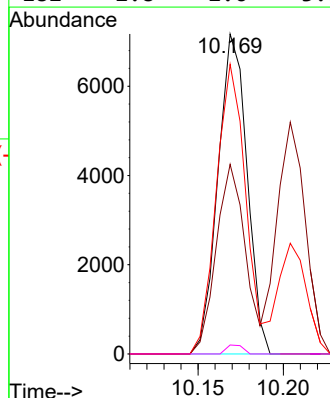
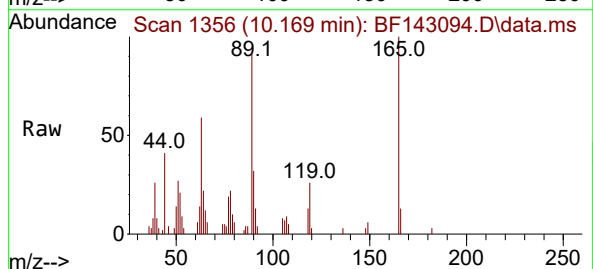
Ion Ratio Lower Upper

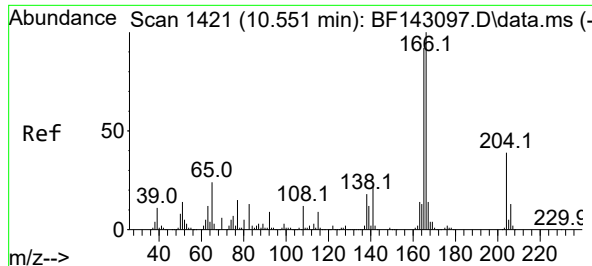
165 100

63 59.3 40.6 61.0

89 90.5 62.3 93.5

182 2.8 2.6 3.8





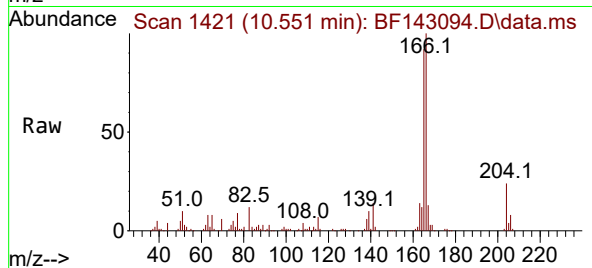
#58
Fluorene
Concen: 5.738 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

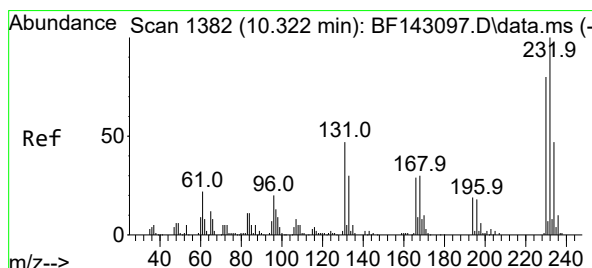
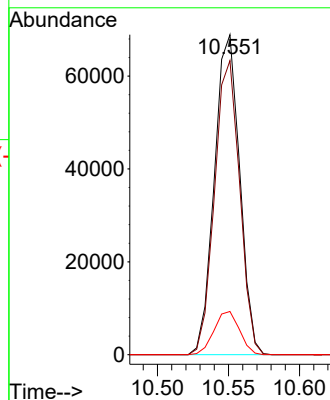
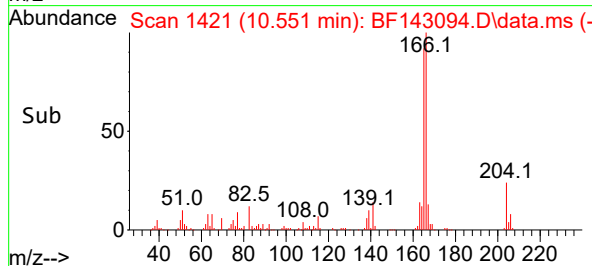


Tgt Ion:166 Resp: 85318
Ion Ratio Lower Upper
166 100
165 91.9 73.7 110.5
167 13.5 10.9 16.3

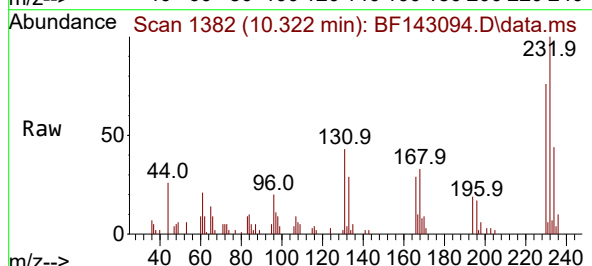
Manual Integrations

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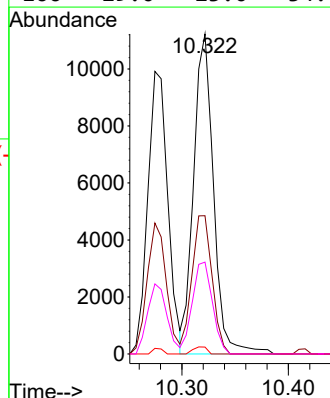
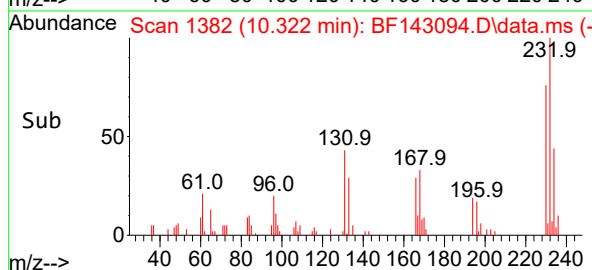
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

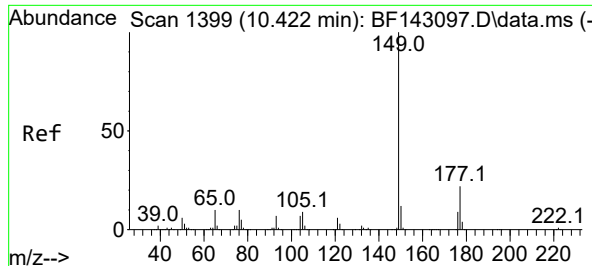


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.192 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35



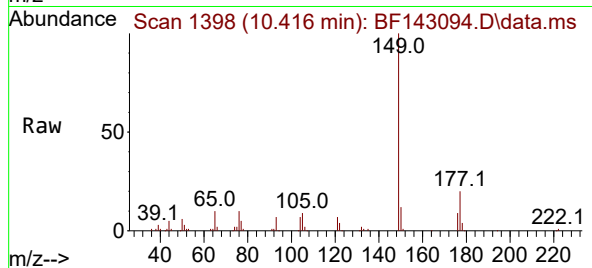
Tgt Ion:232 Resp: 14610
Ion Ratio Lower Upper
232 100
131 43.7 36.9 55.3
130 1.5 1.8 2.8#
166 29.0 23.0 34.6





#60
Diethylphthalate
Concen: 5.031 ng
RT: 10.416 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

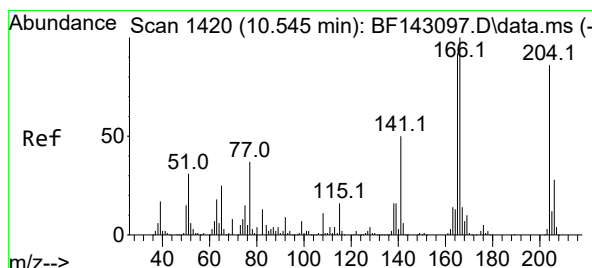
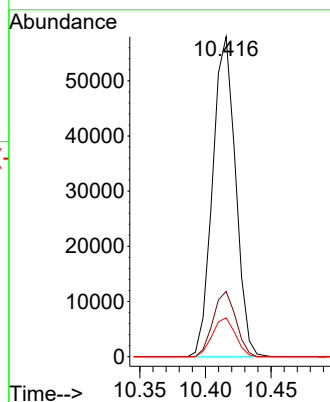
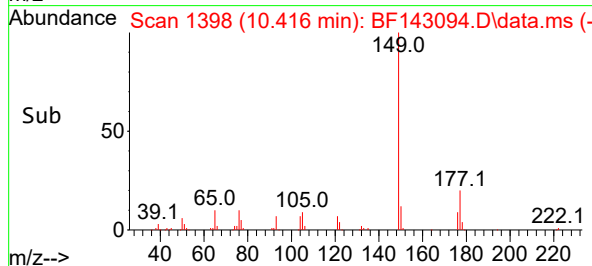
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:149 Resp: 7053
Ion Ratio Lower Upper
149 100
177 20.4 17.3 25.9
150 12.1 9.9 14.9

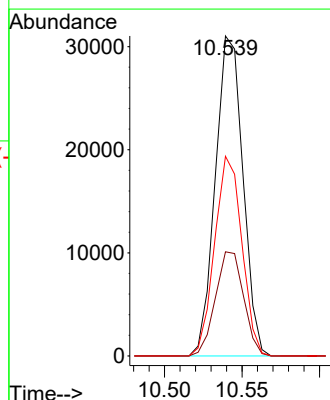
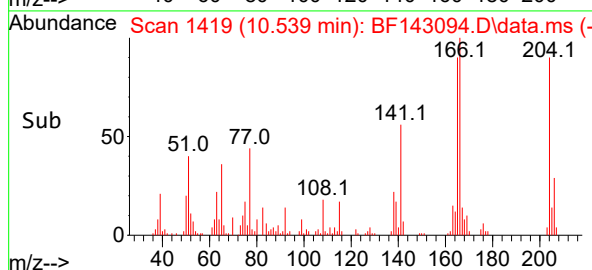
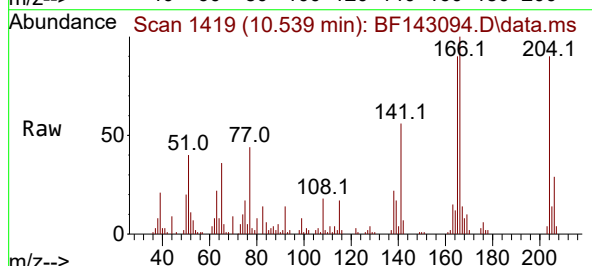
Manual Integrations
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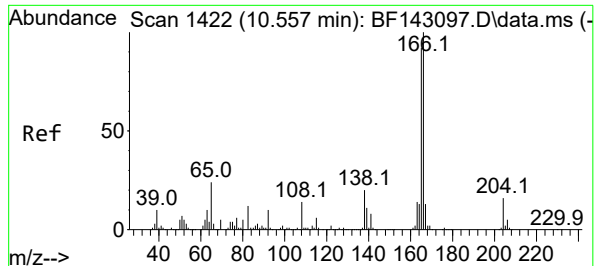
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#61
4-Chlorophenyl-phenylether
Concen: 5.395 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

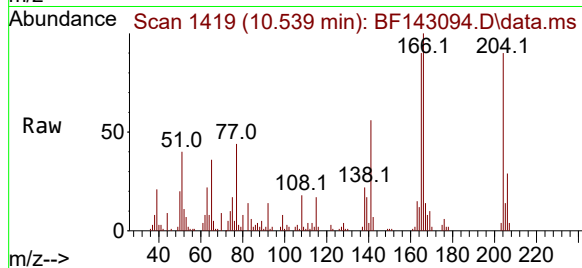
Tgt Ion:204 Resp: 38452
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.6
141 62.4 46.8 70.2





#62
4-Nitroaniline
Concen: 3.581 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

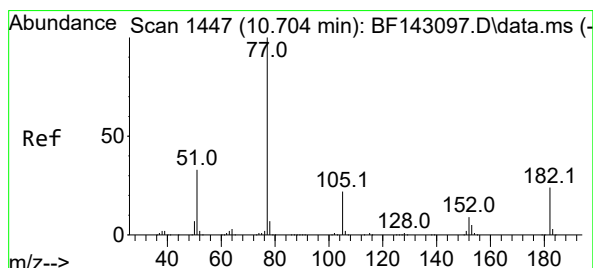
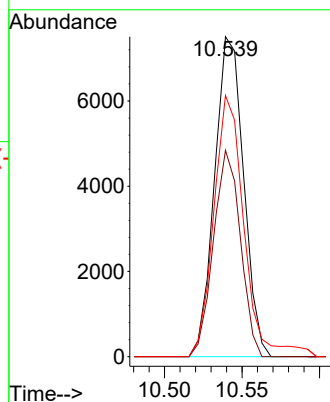
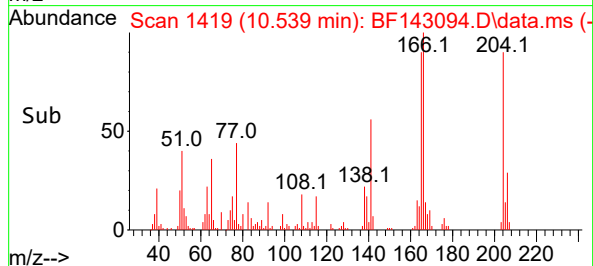
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:138 Resp: 9779
Ion Ratio Lower Upper
138 100
92 64.5 30.4 70.4
108 81.6 49.5 89.5

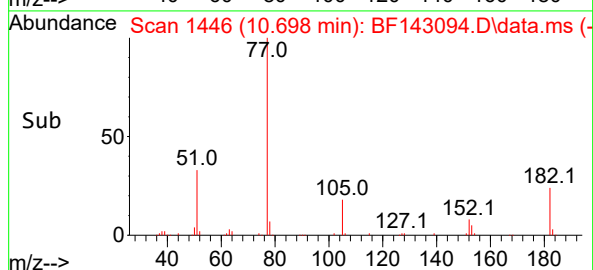
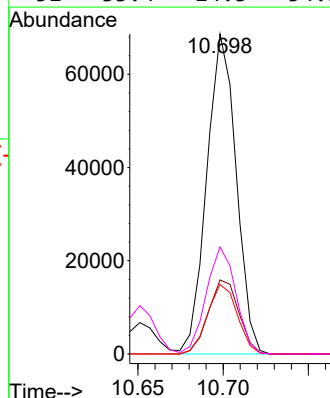
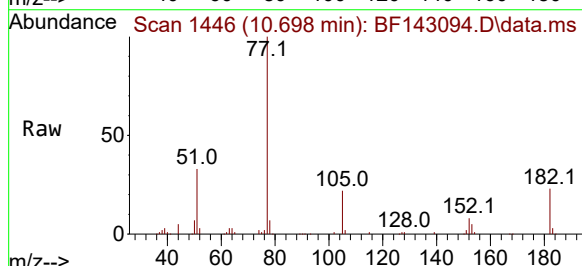
Manual Integrations
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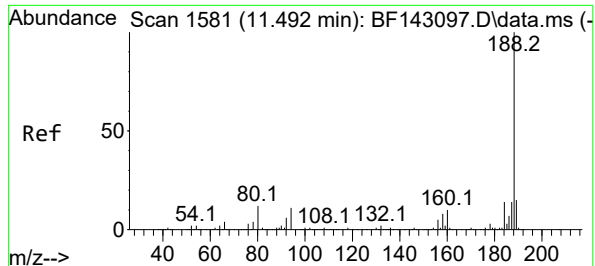
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#63
Azobenzene
Concen: 5.308 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

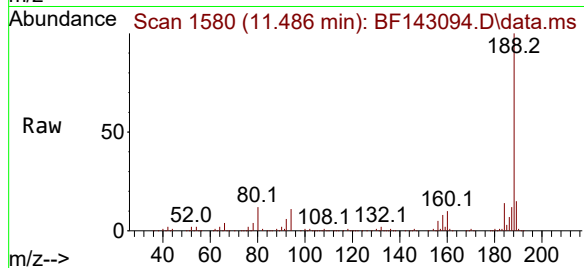
Tgt Ion: 77 Resp: 82291
Ion Ratio Lower Upper
77 100
182 23.1 4.0 44.0
105 21.8 1.4 41.4
51 33.4 14.3 54.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

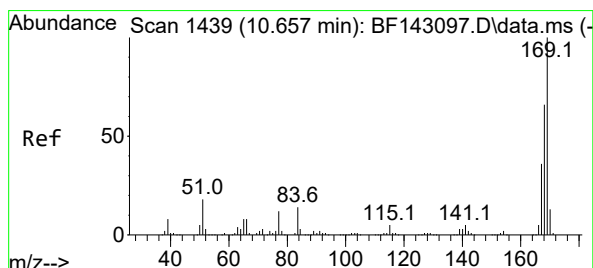
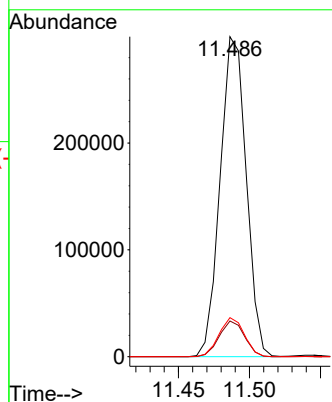
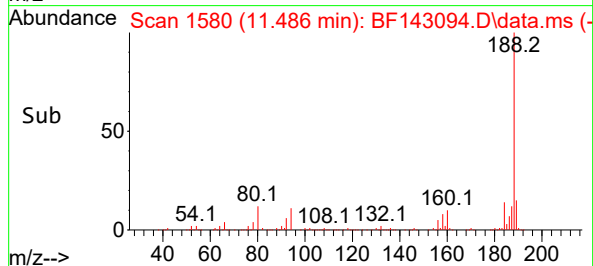
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:188 Resp: 382578
Ion Ratio Lower Upper
188 100
94 11.2 8.6 13.0
80 12.2 9.3 13.9

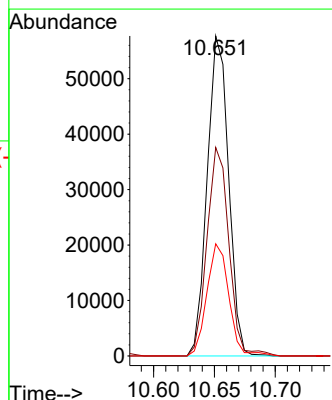
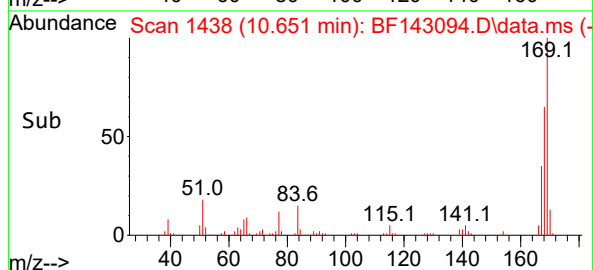
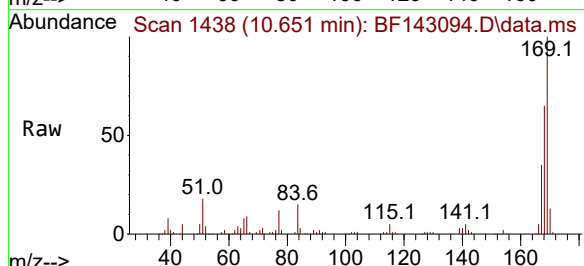
Manual Integrations
APPROVED

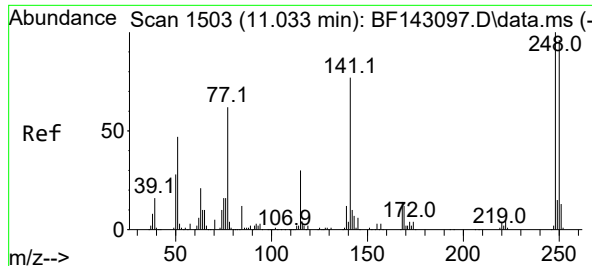
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#66
n-Nitrosodiphenylamine
Concen: 5.231 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

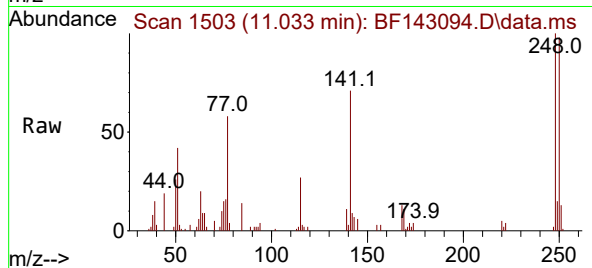
Tgt Ion:169 Resp: 70293
Ion Ratio Lower Upper
169 100
168 65.2 53.0 79.6
167 35.1 28.4 42.6





#67
4-Bromophenyl-phenylether
Concen: 5.086 ng
RT: 11.033 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

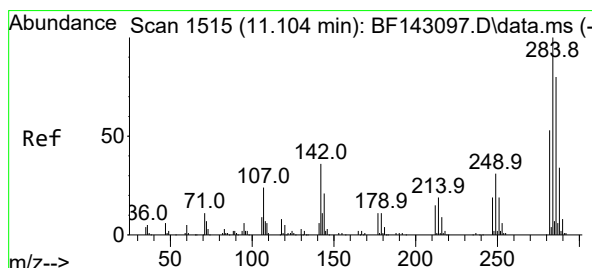
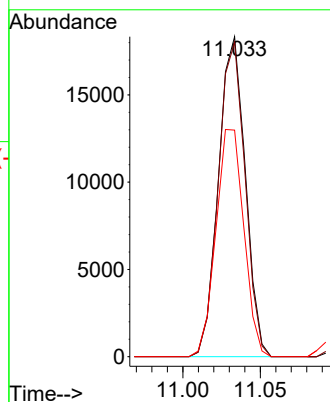
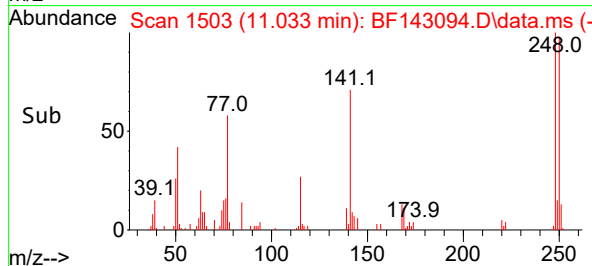
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



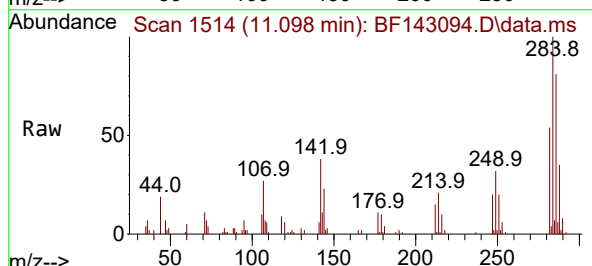
Tgt Ion:248 Resp: 2212
Ion Ratio Lower Upper
248 100
250 98.3 76.7 115.1
141 70.8 61.7 92.5

Manual Integrations
APPROVED

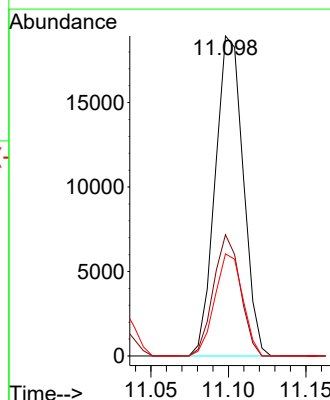
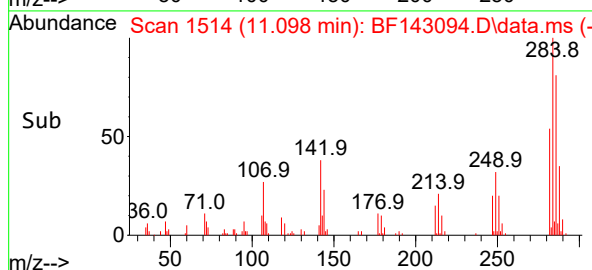
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

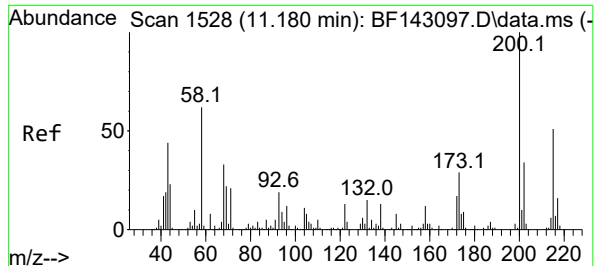


#68
Hexachlorobenzene
Concen: 5.160 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35



Tgt Ion:284 Resp: 23819
Ion Ratio Lower Upper
284 100
142 37.9 28.9 43.3
249 31.9 24.6 37.0





#69

Atrazine

Concen: 4.393 ng

RT: 11.175 min Scan# 1527

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:200 Resp: 1510

Ion Ratio Lower Upper

200 100

173 27.9 9.1 49.1

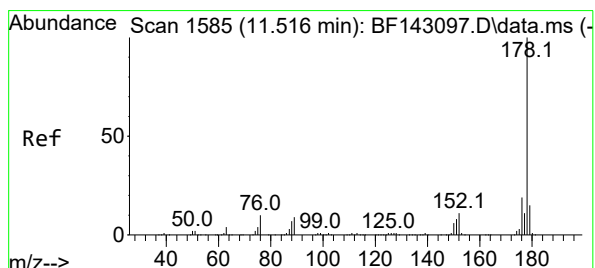
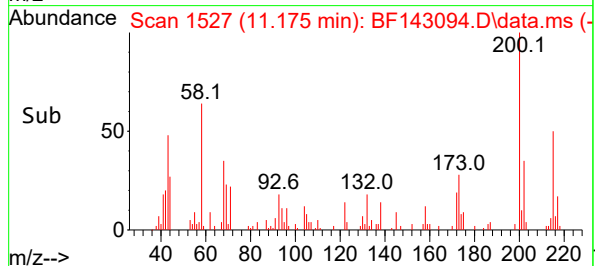
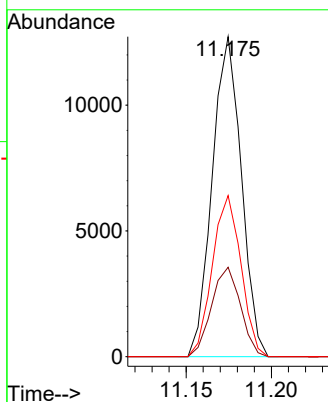
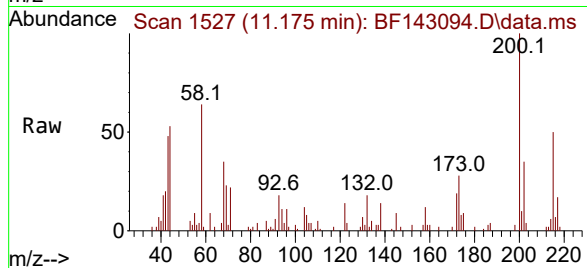
215 50.4 31.0 71.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#71

Phenanthrene

Concen: 5.511 ng

RT: 11.510 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

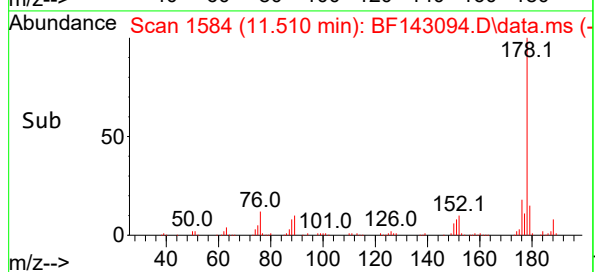
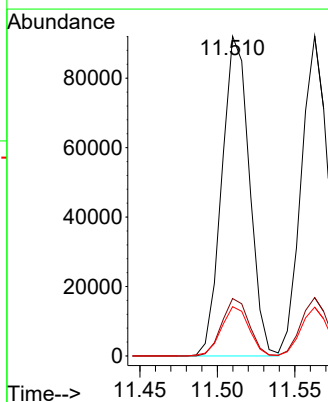
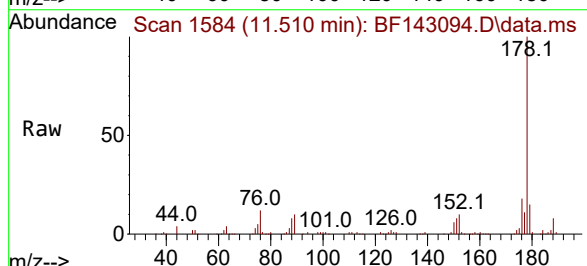
Tgt Ion:178 Resp: 113784

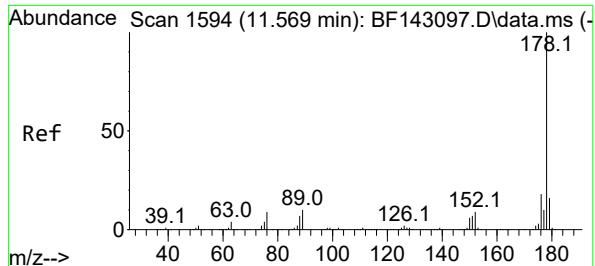
Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

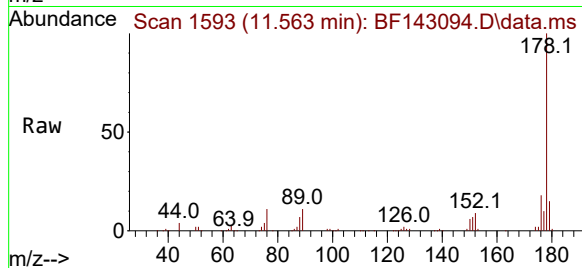
179 15.4 12.2 18.4





#72
Anthracene
Concen: 5.335 ng
RT: 11.563 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

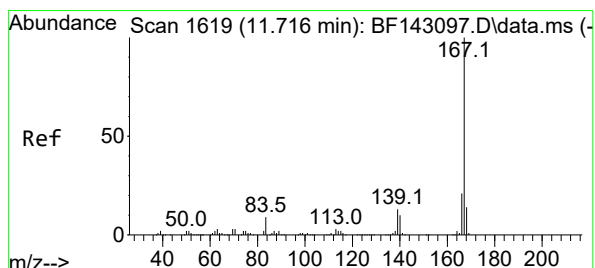
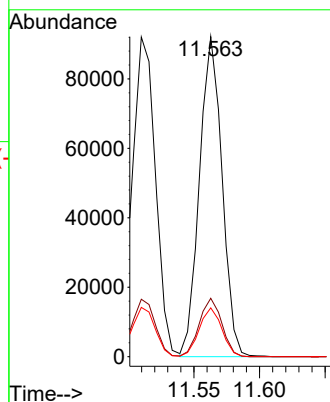
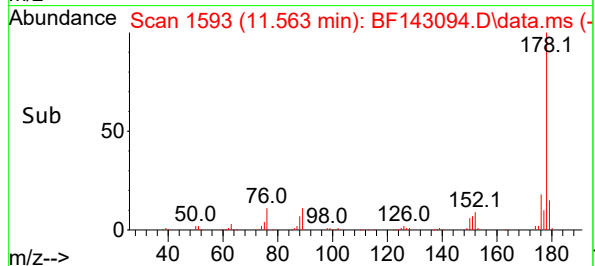
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:178 Resp: 110778
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.2 12.4 18.6

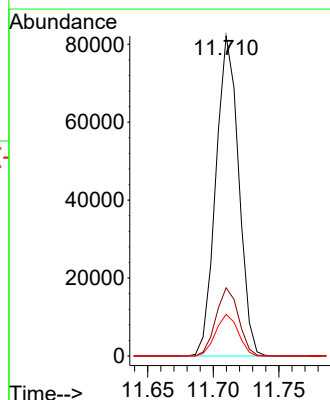
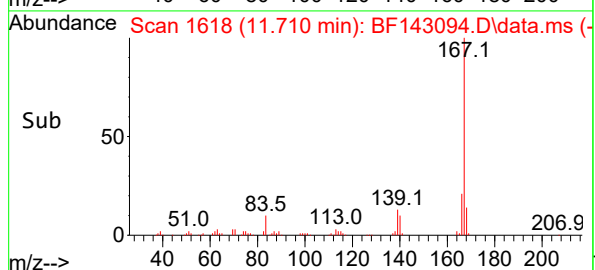
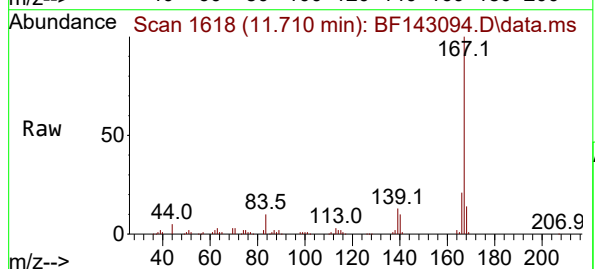
Manual Integrations
APPROVED

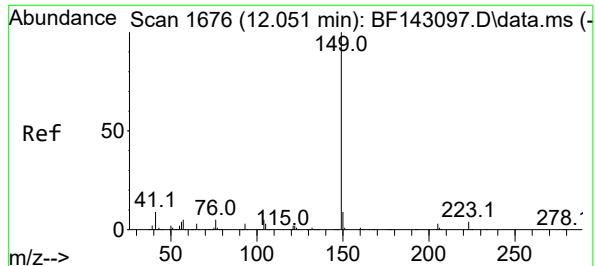
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#73
Carbazole
Concen: 5.335 ng
RT: 11.710 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

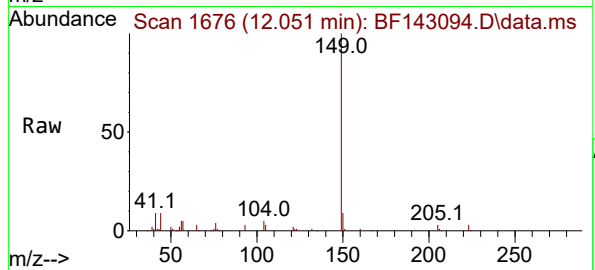
Tgt Ion:167 Resp: 99235
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.4
139 13.0 10.2 15.4





#74
Di-n-butylphthalate
Concen: 4.179 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

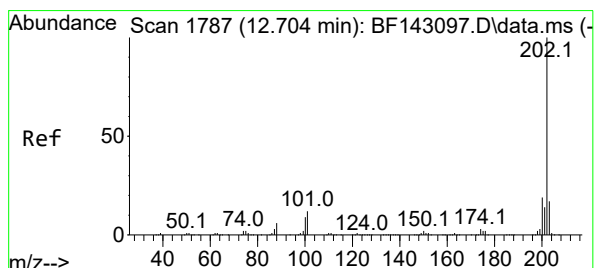
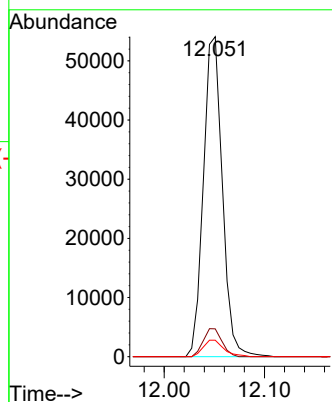
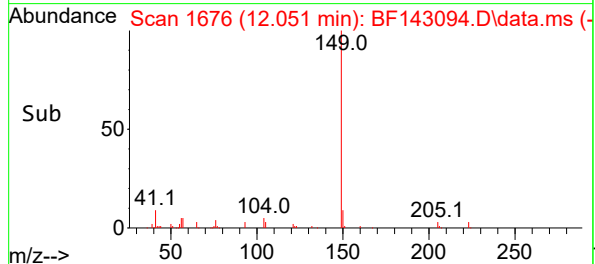
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



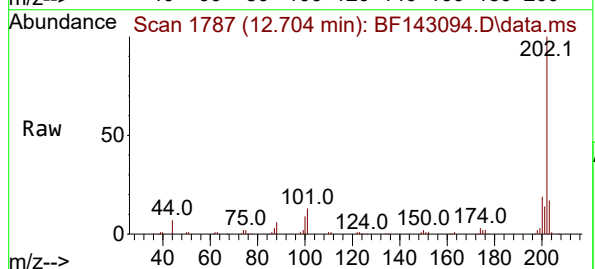
Tgt Ion:149 Resp: 71352
Ion Ratio Lower Upper
149 100
150 8.7 7.3 10.9
104 5.1 3.8 5.8

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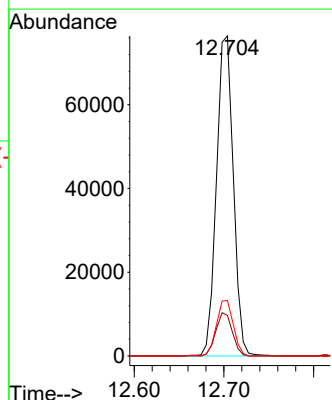
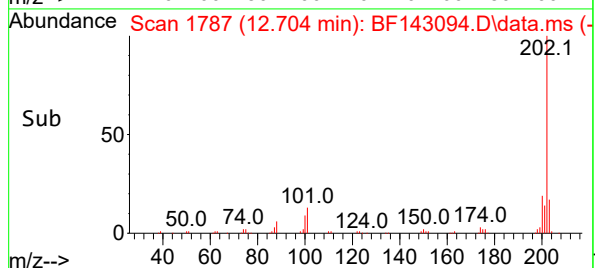
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

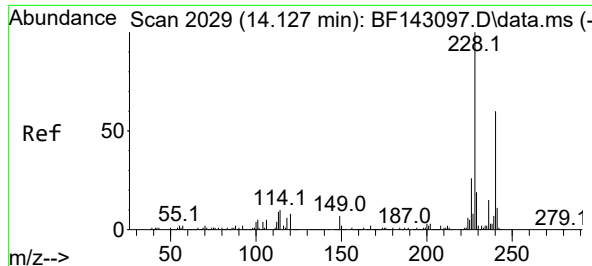


#75
Fluoranthene
Concen: 5.320 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35



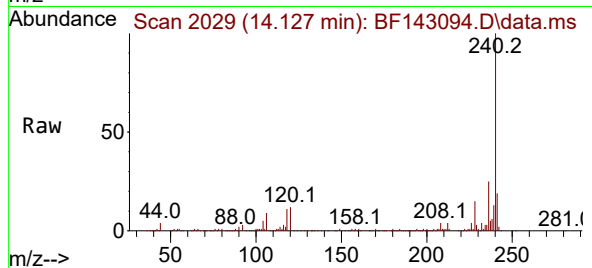
Tgt Ion:202 Resp: 99884
Ion Ratio Lower Upper
202 100
101 12.7 0.0 32.4
203 17.4 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

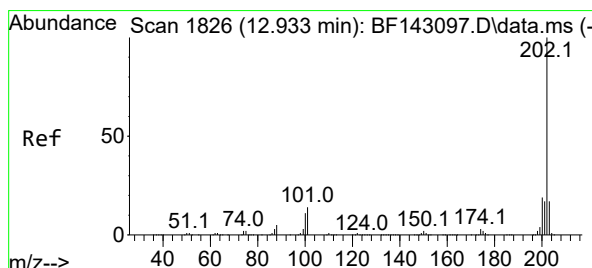
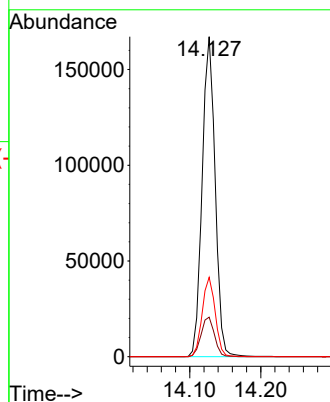
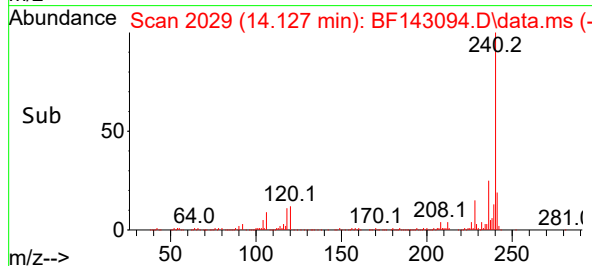
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:240 Resp: 212909
Ion Ratio Lower Upper
240 100
120 12.4 10.0 15.0
236 24.8 20.0 30.0

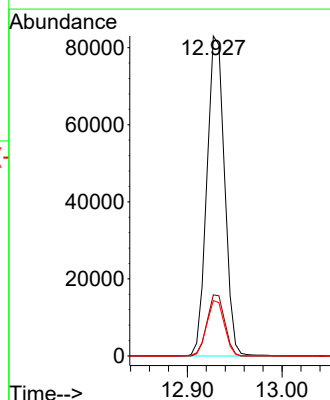
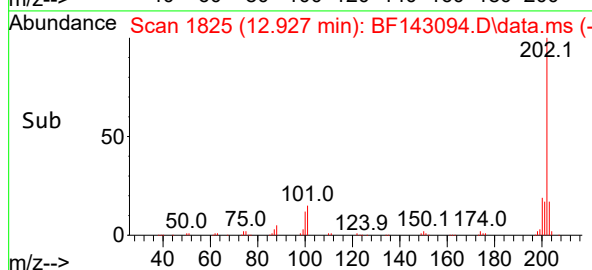
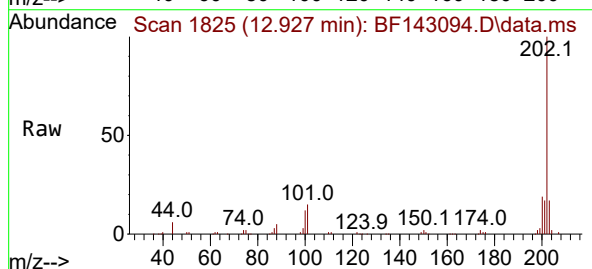
Manual Integrations
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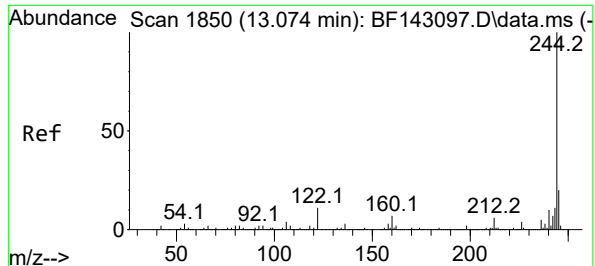
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#78
Pyrene
Concen: 5.436 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:202 Resp: 107389
Ion Ratio Lower Upper
202 100
200 19.1 15.5 23.3
203 17.3 14.0 21.0





#79

Terphenyl-d14

Concen: 11.424 ng

RT: 13.069 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:244 Resp: 166389

Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

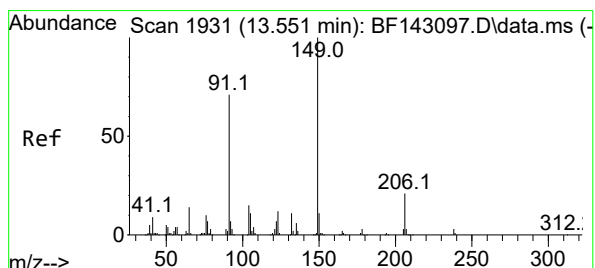
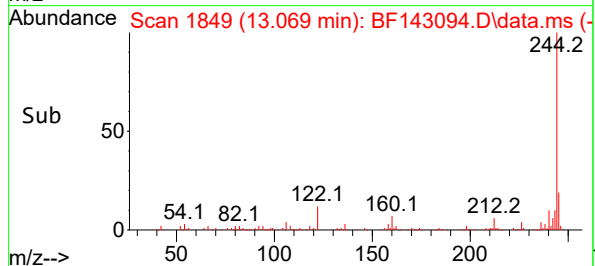
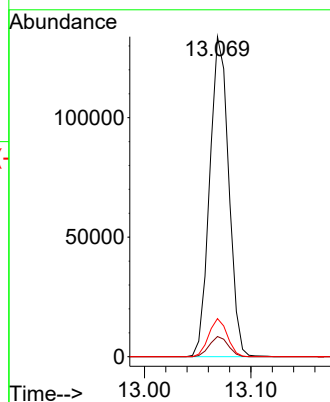
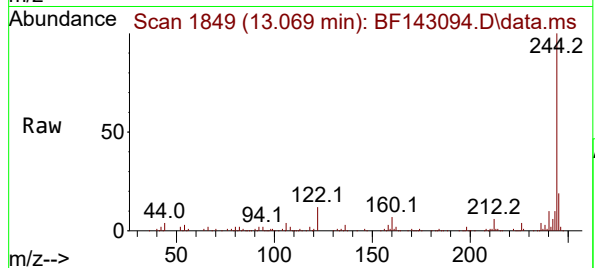
122 11.9 8.8 13.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#80

Butylbenzylphthalate

Concen: 5.646 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

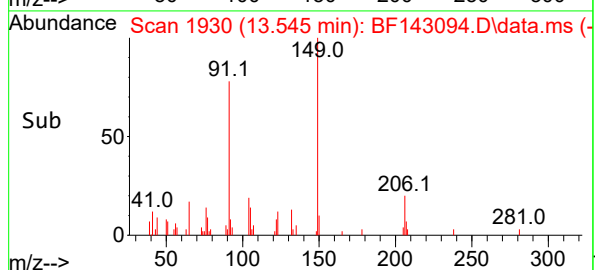
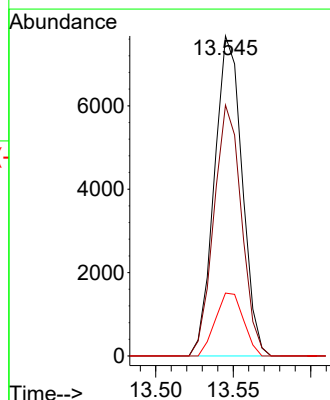
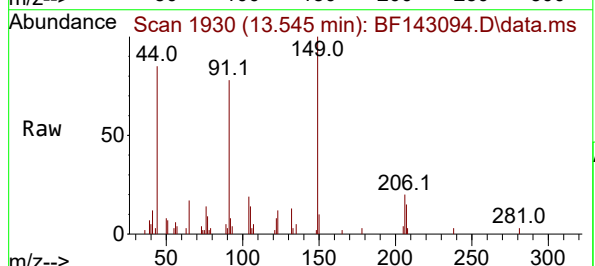
Tgt Ion:149 Resp: 9546

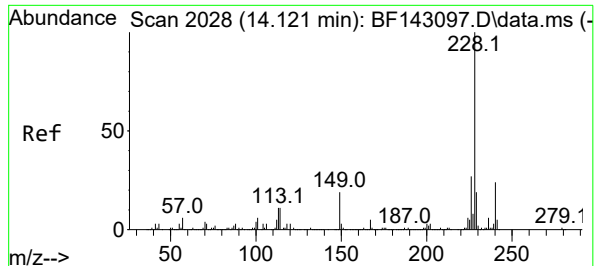
Ion Ratio Lower Upper

149 100

91 78.4 57.0 85.4

206 19.7 17.2 25.8





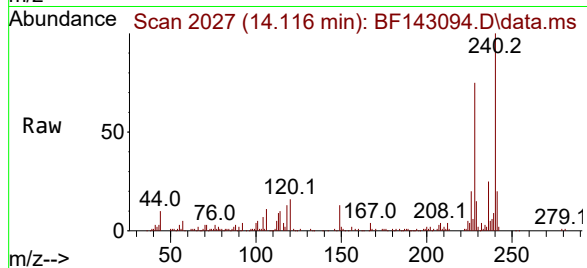
#81
Benzo(a)anthracene
Concen: 4.863 ng
RT: 14.116 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

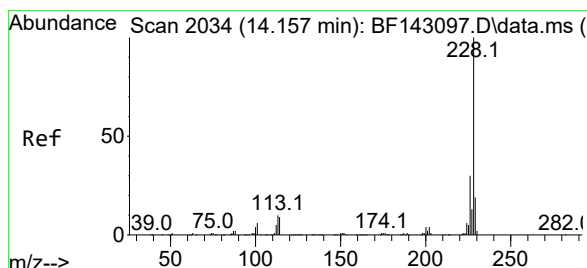
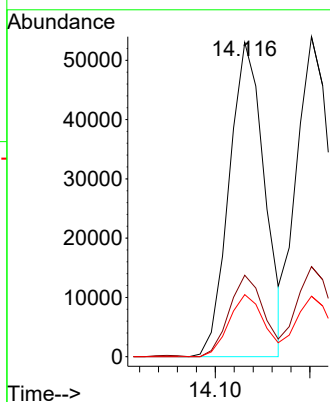
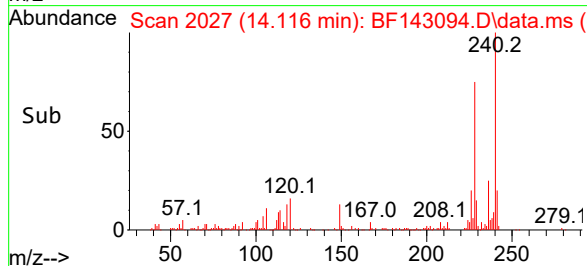


Tgt Ion:228 Resp: 68990
Ion Ratio Lower Upper
228 100
226 25.9 21.3 31.9
229 19.7 15.5 23.3

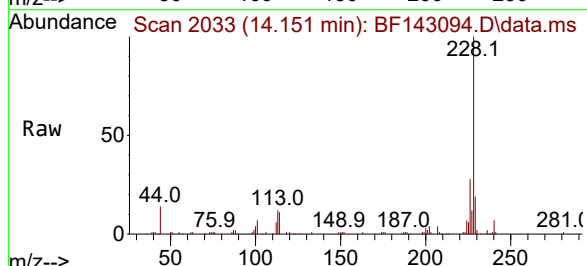
Manual Integrations

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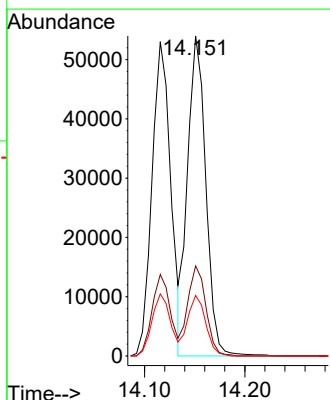
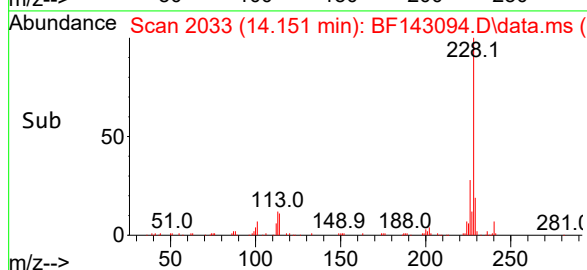
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

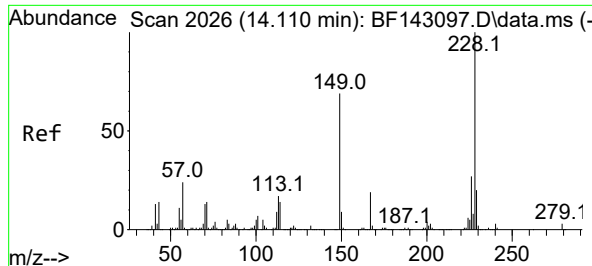


#83
Chrysene
Concen: 5.239 ng
RT: 14.151 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35



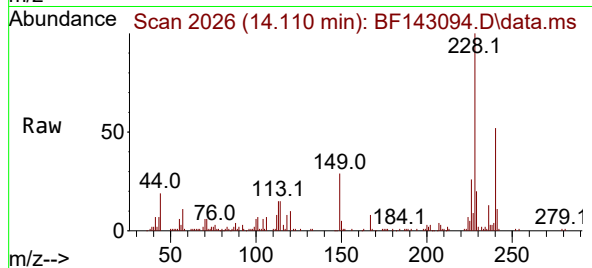
Tgt Ion:228 Resp: 68451
Ion Ratio Lower Upper
228 100
226 28.2 23.4 35.2
229 18.9 15.3 22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.667 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

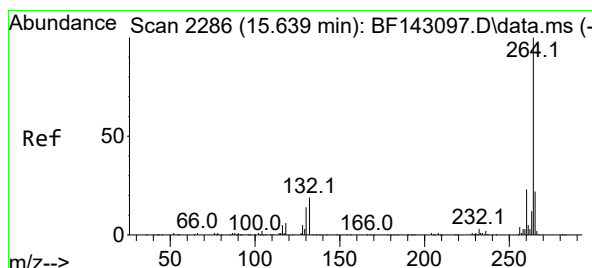
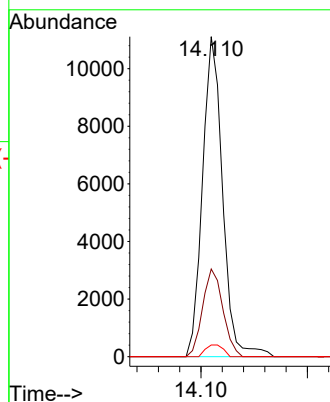
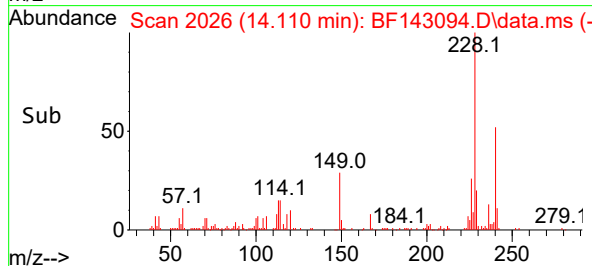
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



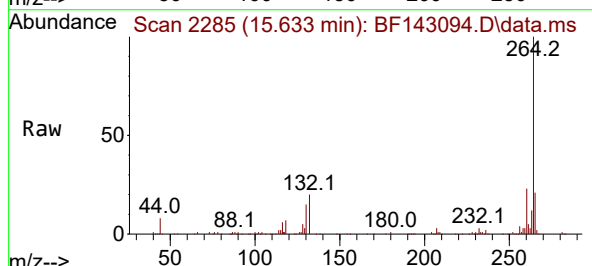
Tgt Ion:149 Resp: 1453
Ion Ratio Lower Upper
149 100
167 27.4 21.9 32.9
279 3.6 3.4 5.0

Manual Integrations
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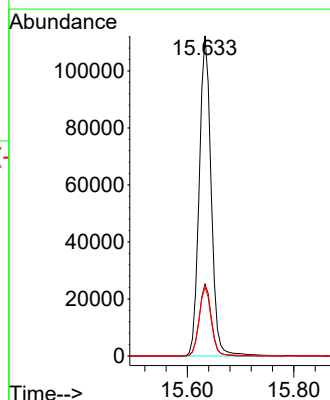
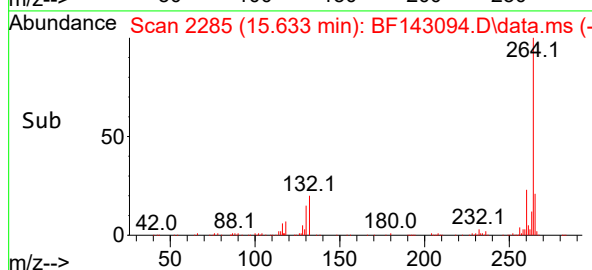
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

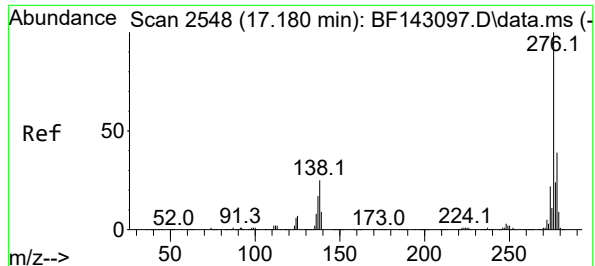


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35



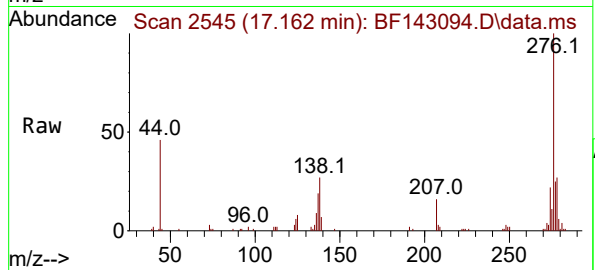
Tgt Ion:264 Resp: 174154
Ion Ratio Lower Upper
264 100
260 22.5 18.5 27.7
265 21.5 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.521 ng
RT: 17.162 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

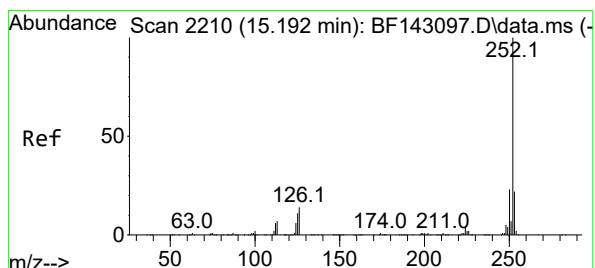
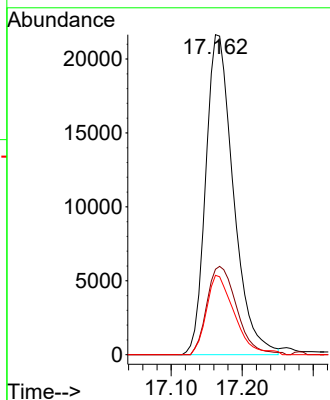
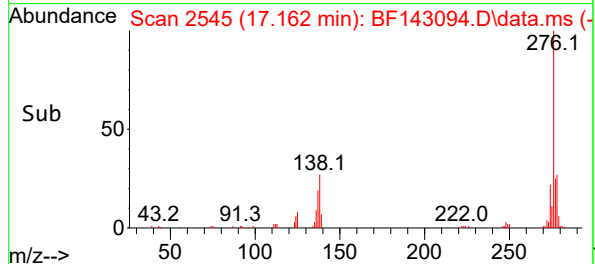
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:276 Resp: 5856
Ion Ratio Lower Upper
276 100
138 29.8 22.6 34.0
277 25.1 20.2 30.2

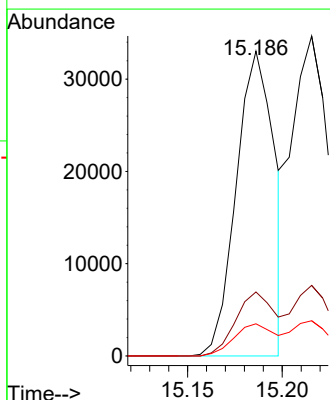
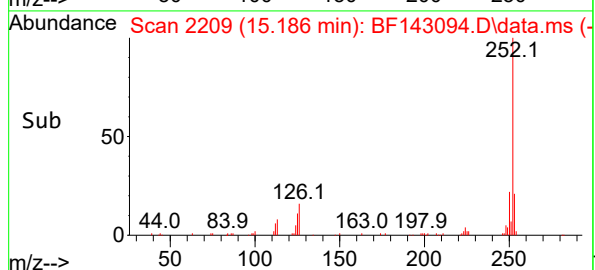
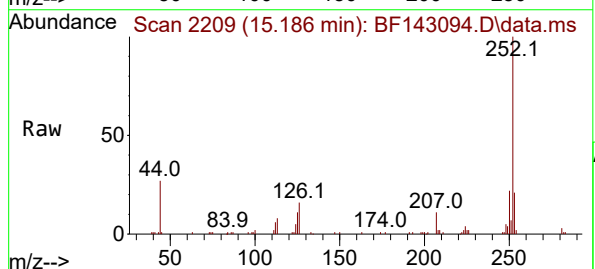
Manual Integrations
APPROVED

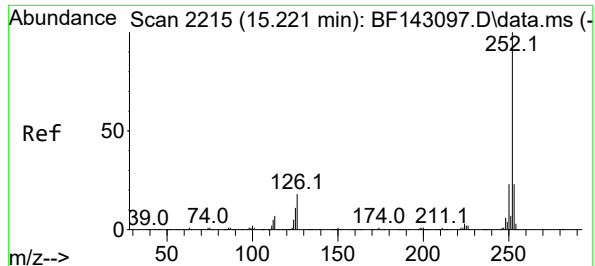
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#88
Benzo(b)fluoranthene
Concen: 4.607 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 46276
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 10.6 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 5.340 ng

RT: 15.215 min Scan# 2117

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

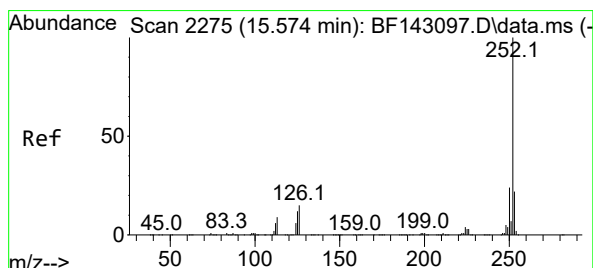
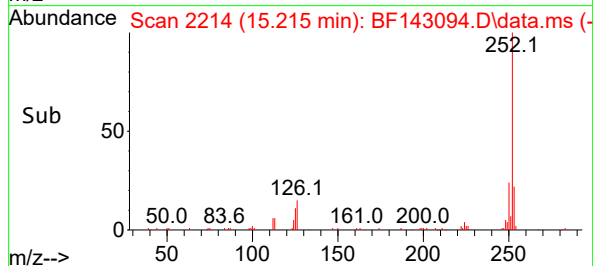
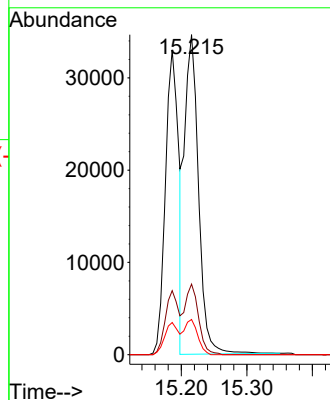
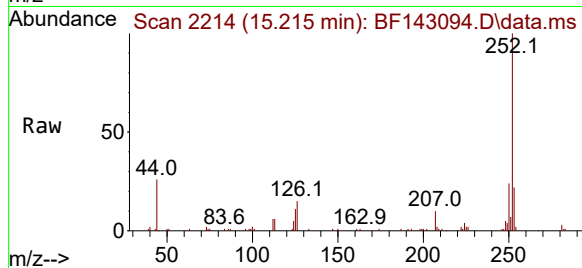
Tgt Ion:	252	Resp:	5117
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.4	26.2
125	11.0	8.5	12.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#90

Benzo(a)pyrene

Concen: 4.531 ng

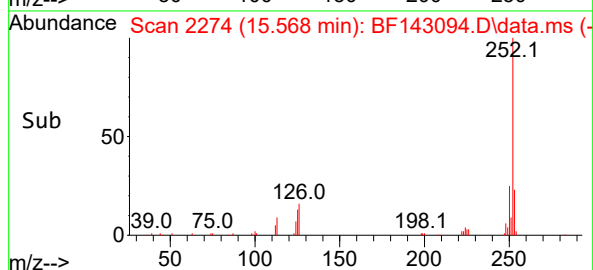
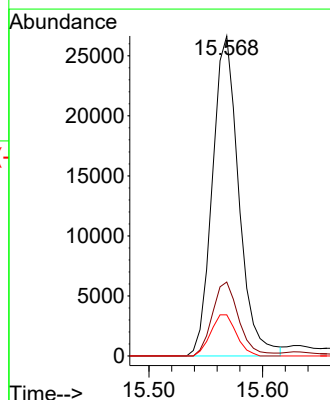
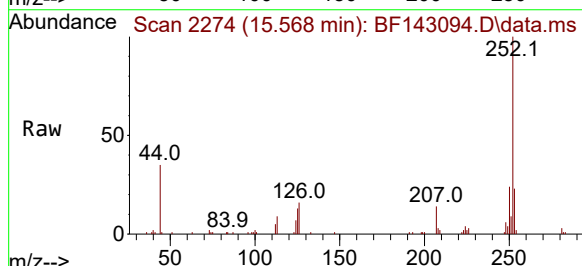
RT: 15.568 min Scan# 2274

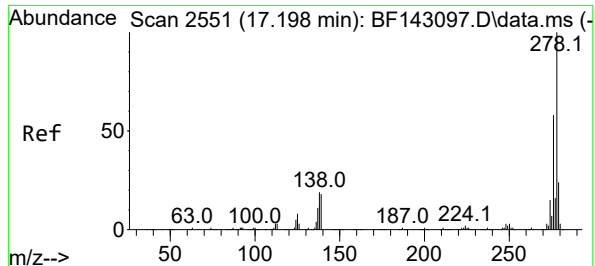
Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Tgt Ion:	252	Resp:	43046
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	12.9	9.4	14.0





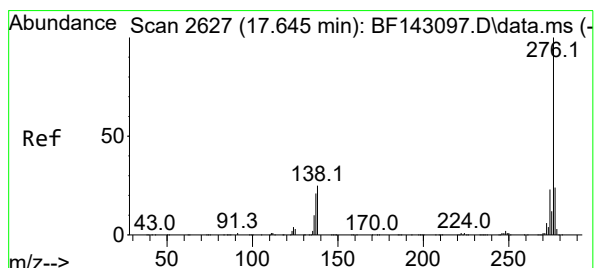
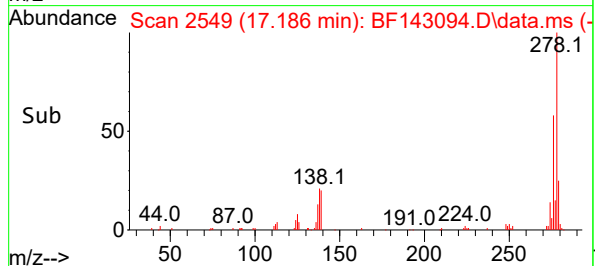
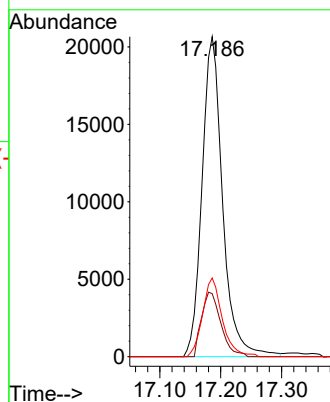
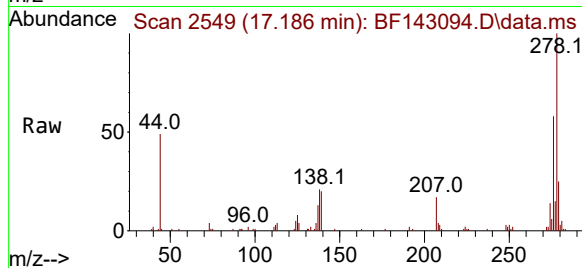
#91
Dibenzo(a,h)anthracene
Concen: 4.581 ng
RT: 17.186 min Scan# 2549
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 48500
Ion Ratio Lower Upper
278 100
139 19.7 14.6 22.0
279 24.6 18.8 28.2

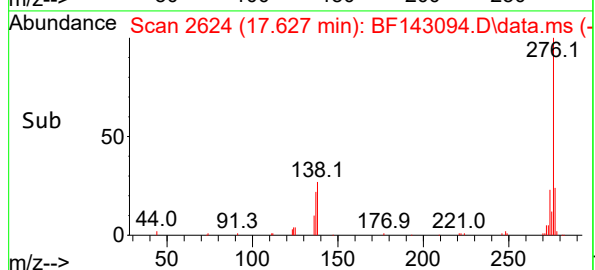
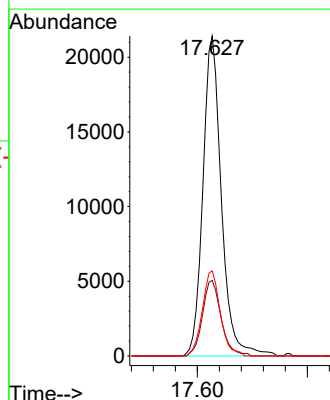
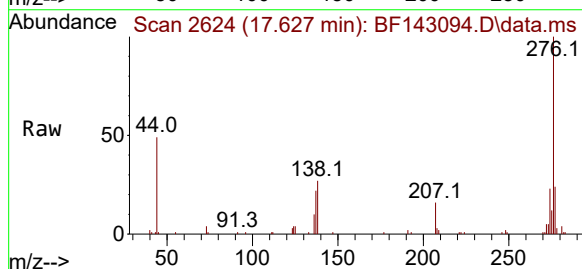
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 4.631 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:276 Resp: 49989
Ion Ratio Lower Upper
276 100
277 23.6 19.2 28.8
138 26.6 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143095.D
 Acq On : 15 Jul 2025 14:05
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:38:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	129158	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	488635	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	248013	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	412977	20.000	ng	0.00
76) Chrysene-d12	14.127	240	231826	20.000	ng	0.00
86) Perylene-d12	15.633	264	195100	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	164234	20.090	ng	0.00
7) Phenol-d6	6.575	99	208774	20.317	ng	-0.01
23) Nitrobenzene-d5	7.516	82	156007m	17.910	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	39055	17.661	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	407861	21.860	ng	0.00
79) Terphenyl-d14	13.069	244	340992	21.502	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	40980	10.070	ng	98
3) Pyridine	3.581	79	99499	9.656	ng	98
4) n-Nitrosodimethylamine	3.504	42	50912	9.536	ng	# 96
6) Aniline	6.622	93	145577	10.060	ng	99
8) 2-Chlorophenol	6.745	128	78009	9.498	ng	98
9) Benzaldehyde	6.510	77	77218	9.862	ng	97
10) Phenol	6.587	94	112508	10.114	ng	98
11) bis(2-Chloroethyl)ether	6.693	93	88047	10.224	ng	99
12) 1,3-Dichlorobenzene	6.910	146	95695	10.313	ng	99
13) 1,4-Dichlorobenzene	6.987	146	95134	10.191	ng	99
14) 1,2-Dichlorobenzene	7.140	146	90960	10.218	ng	100
15) Benzyl Alcohol	7.092	79	72743	9.554	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	163494	10.299	ng	99
17) 2-Methylphenol	7.204	107	69808	9.849	ng	99
18) Hexachloroethane	7.487	117	28400	9.345	ng	98
19) n-Nitroso-di-n-propyla...	7.363	70	63831	10.139	ng	95
20) 3+4-Methylphenols	7.351	107	90318	10.391	ng	# 83
22) Acetophenone	7.363	105	126127	10.708	ng	95
24) Nitrobenzene	7.540	77	77369	9.201	ng	97
25) Isophorone	7.775	82	167986	9.978	ng	99
26) 2-Nitrophenol	7.857	139	18432	8.966	ng	97
27) 2,4-Dimethylphenol	7.887	122	78706	10.072	ng	98
28) bis(2-Chloroethoxy)met...	7.987	93	106045	10.387	ng	98
29) 2,4-Dichlorophenol	8.092	162	62164	9.724	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	74581	10.280	ng	98
31) Naphthalene	8.269	128	256031	10.551	ng	99
32) Benzoic acid	7.939	122	19661m	10.880	ng	
33) 4-Chloroaniline	8.310	127	102550	10.510	ng	96
34) Hexachlorobutadiene	8.392	225	42959	9.901	ng	97
35) Caprolactam	8.634	113	17855	8.944	ng	99
36) 4-Chloro-3-methylphenol	8.775	107	70747	9.935	ng	97
37) 2-Methylnaphthalene	8.957	142	152822	10.557	ng	99
38) 1-Methylnaphthalene	9.057	142	161228	10.739	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	74348	10.287	ng	99
41) Hexachlorocyclopentadiene	9.122	237	31472	7.854	ng	100
43) 2,4,6-Trichlorophenol	9.234	196	38748	8.628	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143095.D
 Acq On : 15 Jul 2025 14:05
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:38:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

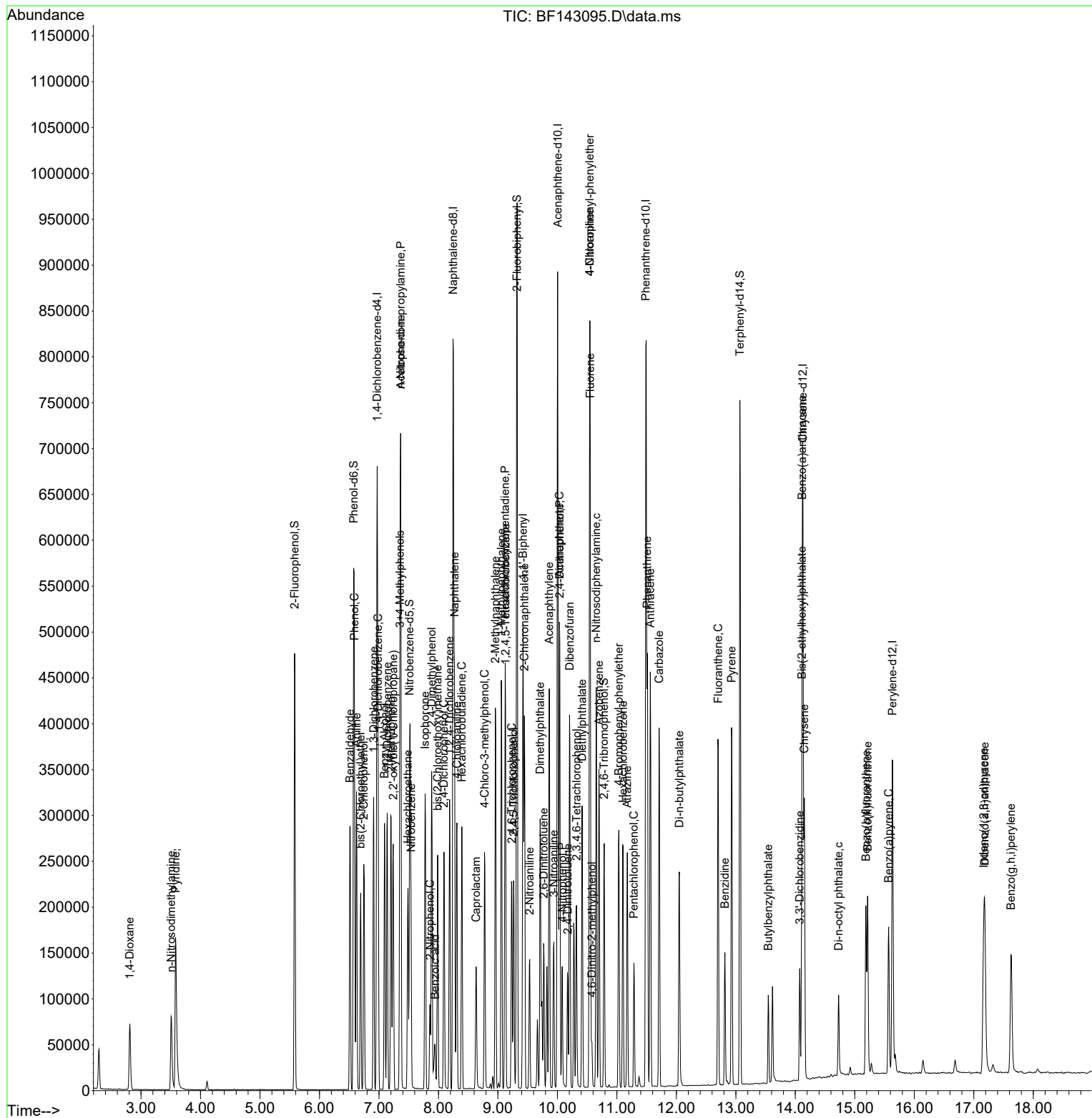
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	45455	9.653	ng	98
46) 1,1'-Biphenyl	9.422	154	209259	10.580	ng	99
47) 2-Chloronaphthalene	9.445	162	149175	10.267	ng	99
48) 2-Nitroaniline	9.534	65	27816	9.163	ng	98
49) Acenaphthylene	9.863	152	249435	10.302	ng	100
50) Dimethylphthalate	9.710	163	156072	10.003	ng	100
51) 2,6-Dinitrotoluene	9.769	165	21789	9.451	ng	96
52) Acenaphthene	10.033	154	149318	10.451	ng	100
53) 3-Nitroaniline	9.939	138	28105	8.336	ng	98
54) 2,4-Dinitrophenol	10.039	184	4729	10.239	ng #	1
55) Dibenzofuran	10.204	168	222555	10.451	ng	98
56) 4-Nitrophenol	10.081	139	20334	7.589	ng	97
57) 2,4-Dinitrotoluene	10.175	165	24420	9.293	ng #	95
58) Fluorene	10.551	166	171975	10.771	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	33995	9.084	ng	99
60) Diethylphthalate	10.416	149	150934	10.027	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	79583	10.400	ng	99
62) 4-Nitroaniline	10.545	138	25757	8.785	ng	96
63) Azobenzene	10.698	77	173437	10.418	ng	98
65) 4,6-Dinitro-2-methylph...	10.581	198	7158	10.290	ng	96
66) n-Nitrosodiphenylamine	10.651	169	146433	10.094	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	45279	9.641	ng	97
68) Hexachlorobenzene	11.104	284	49035	9.840	ng	96
69) Atrazine	11.175	200	35230	9.492	ng	99
70) Pentachlorophenol	11.286	266	20245	7.405	ng	97
71) Phenanthrene	11.510	178	234601	10.526	ng	100
72) Anthracene	11.563	178	232459	10.372	ng	99
73) Carbazole	11.710	167	211853	10.551	ng	99
74) Di-n-butylphthalate	12.051	149	174639	9.475	ng	100
75) Fluoranthene	12.704	202	217346	10.725	ng	99
77) Benzidine	12.816	184	76979	9.747	ng	99
78) Pyrene	12.927	202	226752	10.542	ng	99
80) Butylbenzylphthalate	13.545	149	26977	9.210	ng	94
81) Benzo(a)anthracene	14.116	228	151099	9.781	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	36435	8.122	ng	99
83) Chrysene	14.151	228	142990	10.050	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	39724	9.073	ng	97
85) Di-n-octyl phthalate	14.727	149	54952	10.526	ng	96
87) Indeno(1,2,3-cd)pyrene	17.168	276	137620	9.484	ng	100
88) Benzo(b)fluoranthene	15.186	252	116154	10.321	ng	100
89) Benzo(k)fluoranthene	15.216	252	103994	9.686	ng	98
90) Benzo(a)pyrene	15.568	252	99366	9.336	ng	99
91) Dibenzo(a,h)anthracene	17.186	278	113316	9.553	ng	99
92) Benzo(g,h,i)perylene	17.627	276	115816	9.577	ng	98

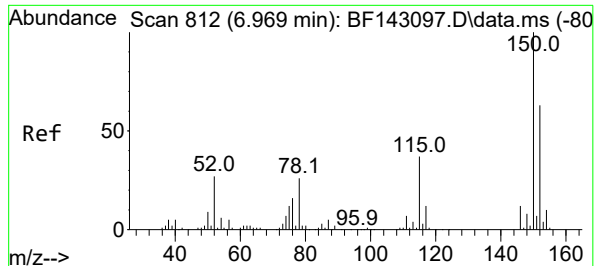
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

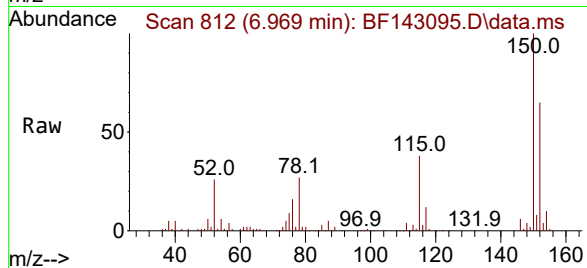
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jaagrut Upadhyay 07/16/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

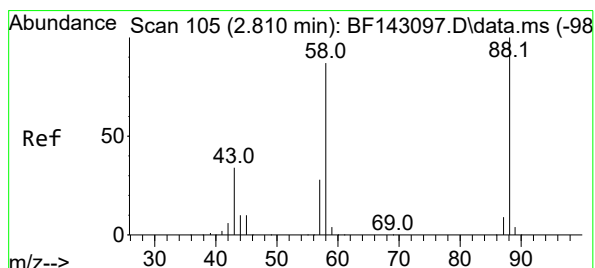
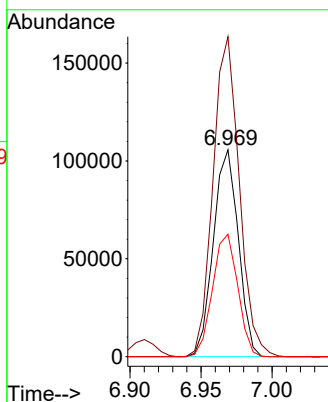
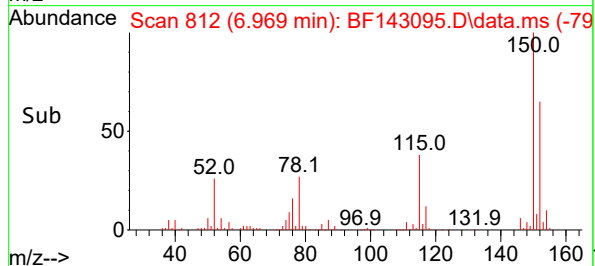
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 129158
Ion Ratio Lower Upper
152 100
150 154.7 126.5 189.7
115 59.3 47.0 70.6

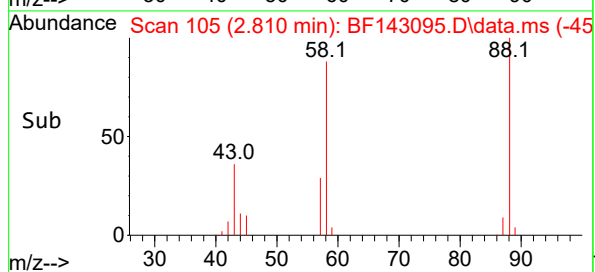
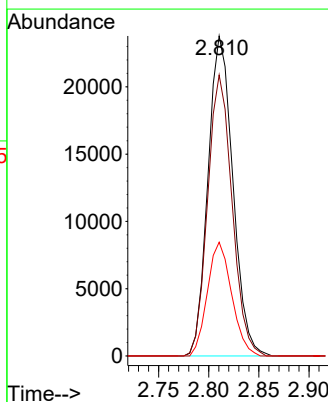
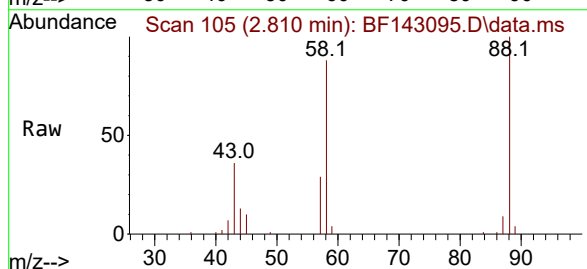
Manual Integrations
APPROVED

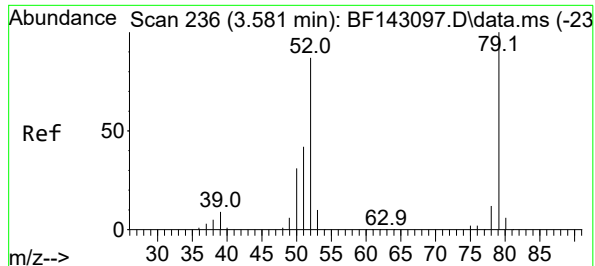
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#2
1,4-Dioxane
Concen: 10.070 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

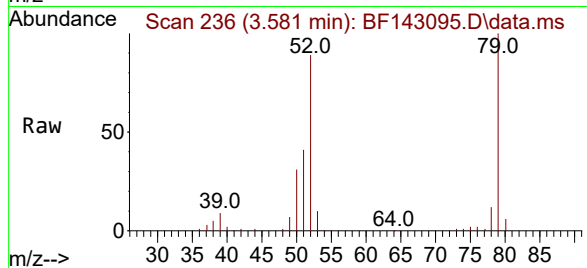
Tgt Ion: 88 Resp: 40980
Ion Ratio Lower Upper
88 100
58 86.3 70.5 105.7
43 34.8 27.3 40.9





#3
Pyridine
Concen: 9.656 ng
RT: 3.581 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

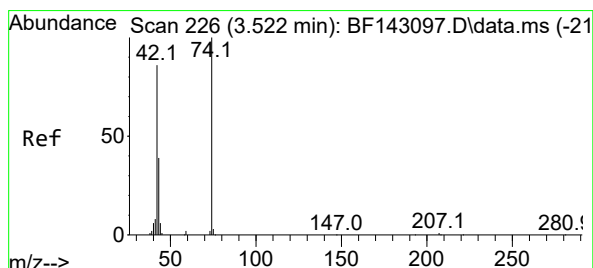
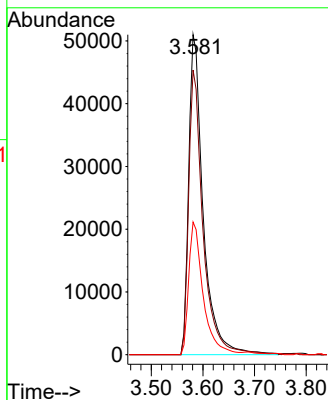
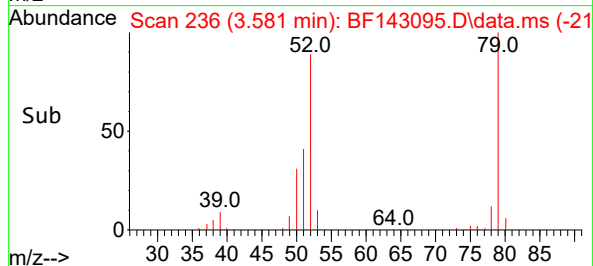
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



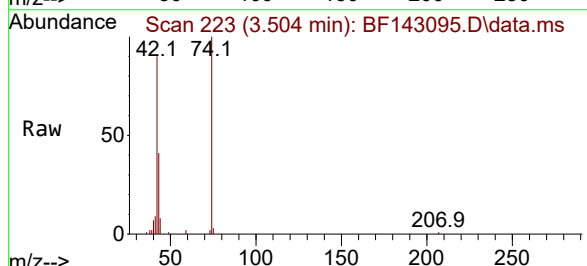
Tgt Ion: 79 Resp: 99499
Ion Ratio Lower Upper
79 100
52 88.9 69.2 103.8
51 41.5 33.3 49.9

Manual Integrations
APPROVED

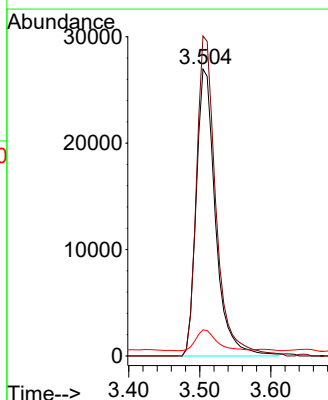
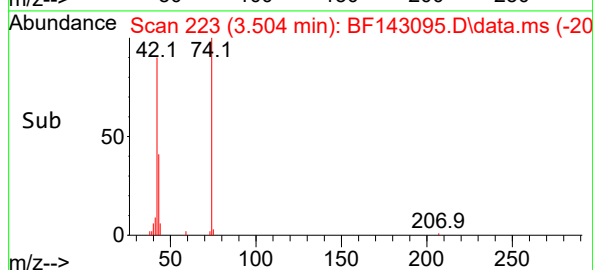
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

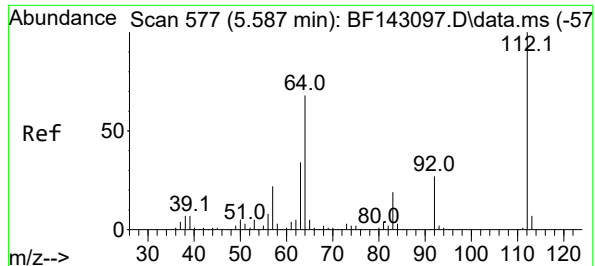


#4
n-Nitrosodimethylamine
Concen: 9.536 ng
RT: 3.504 min Scan# 223
Delta R.T. -0.018 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05



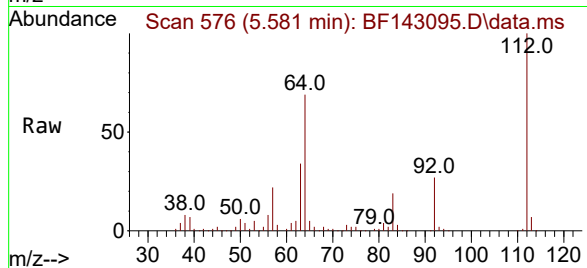
Tgt Ion: 42 Resp: 50912
Ion Ratio Lower Upper
42 100
74 111.6 92.8 139.2
44 9.1 5.8 8.6





#5
2-Fluorophenol
Concen: 20.090 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

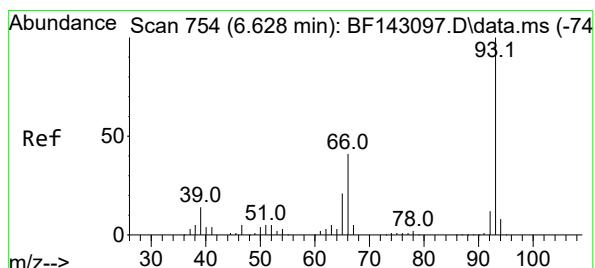
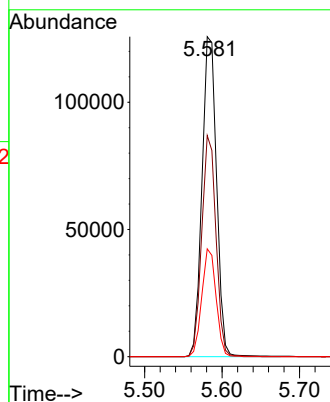
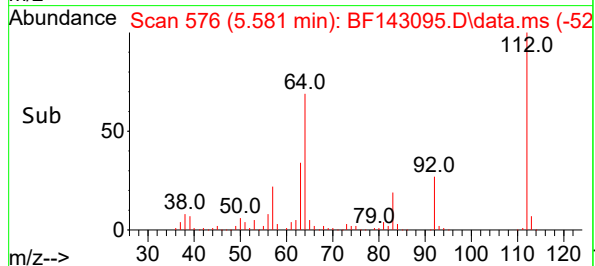
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:112 Resp: 164234
Ion Ratio Lower Upper
112 100
64 69.1 54.6 82.0
63 33.7 27.3 40.9

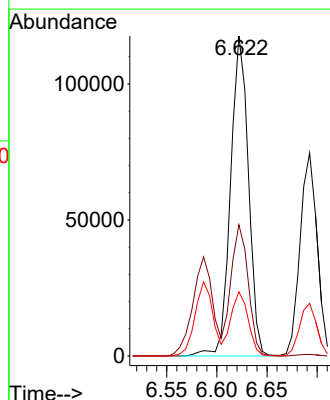
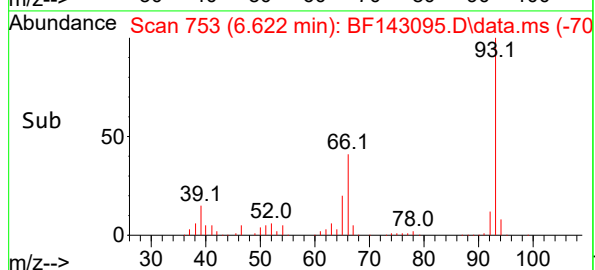
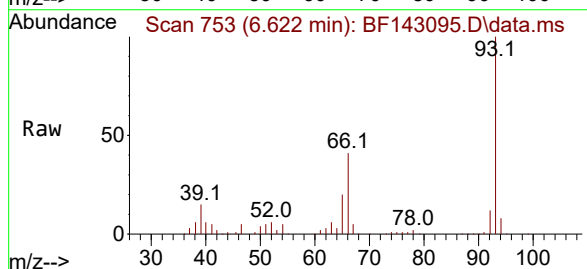
Manual Integrations
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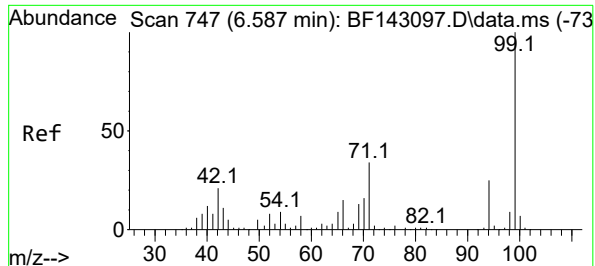
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#6
Aniline
Concen: 10.060 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 93 Resp: 145577
Ion Ratio Lower Upper
93 100
66 41.0 33.1 49.7
65 20.1 16.9 25.3





#7

Phenol-d6

Concen: 20.317 ng

RT: 6.575 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion: 99 Resp: 208774

Ion Ratio Lower Upper

99 100

42 22.2 17.2 25.8

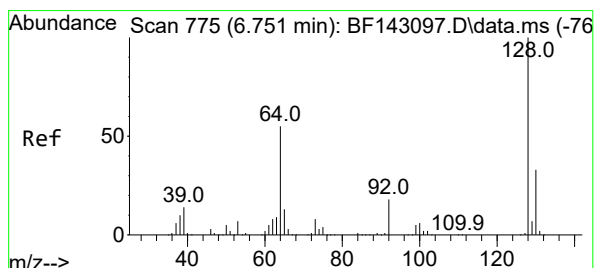
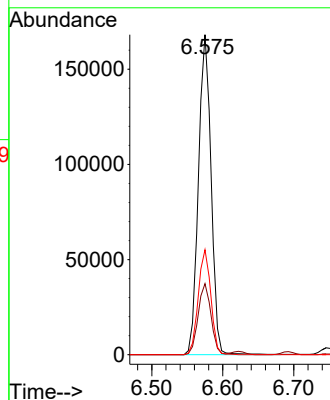
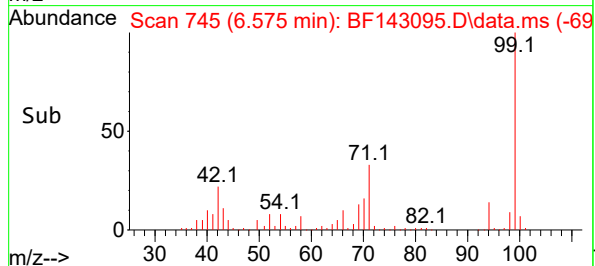
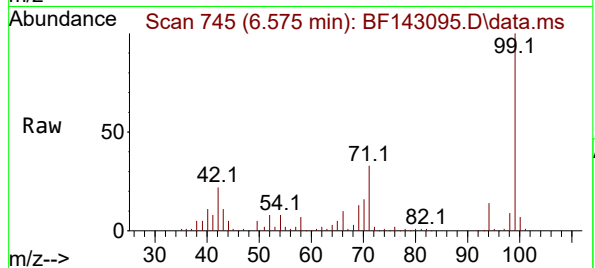
71 32.8 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#8

2-Chlorophenol

Concen: 9.498 ng

RT: 6.745 min Scan# 774

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

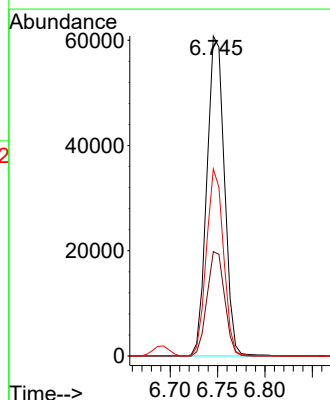
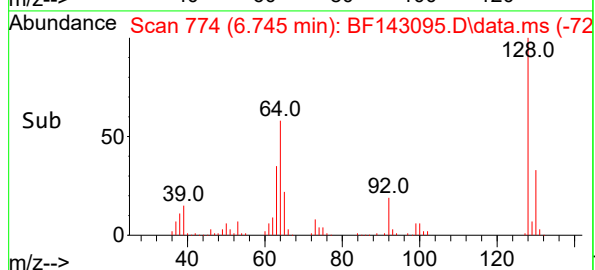
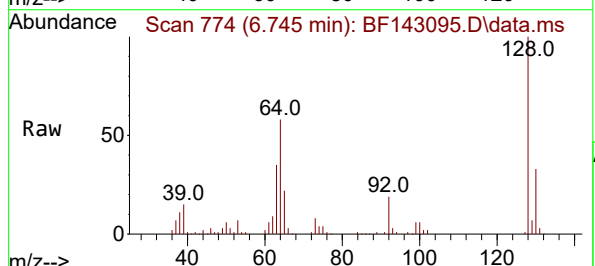
Tgt Ion:128 Resp: 78009

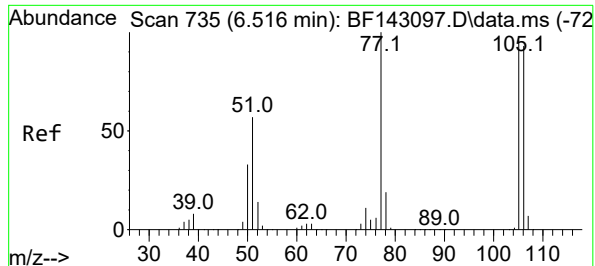
Ion Ratio Lower Upper

128 100

130 32.6 12.8 52.8

64 58.5 36.1 76.1





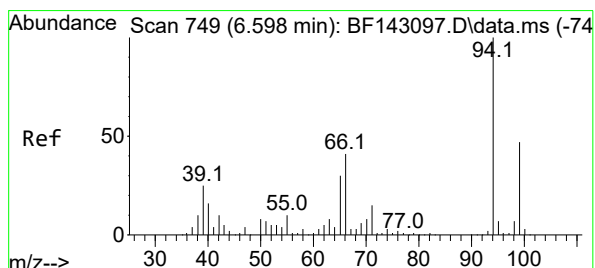
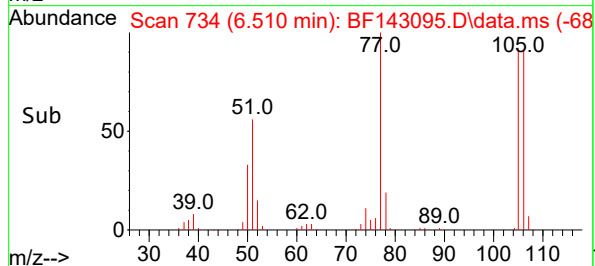
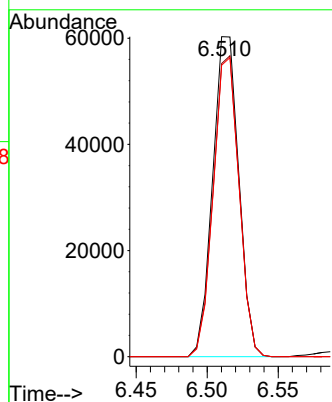
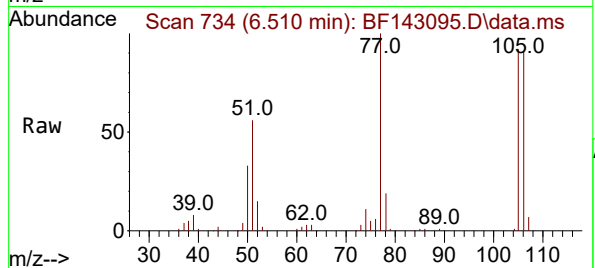
#9
Benzaldehyde
Concen: 9.862 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 77218
Ion Ratio Lower Upper
77 100
105 91.6 76.3 116.3
106 91.1 72.8 112.8

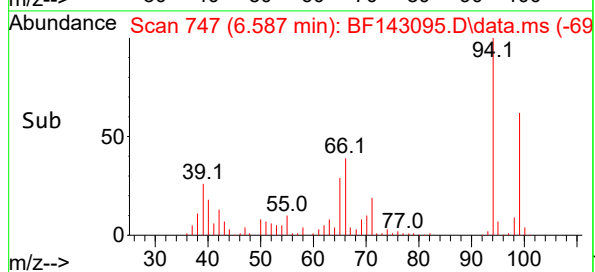
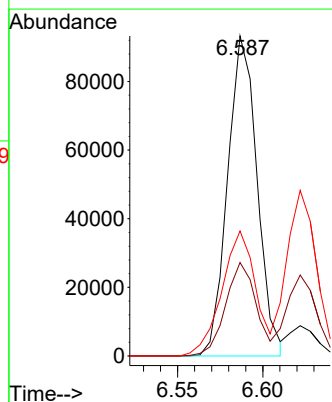
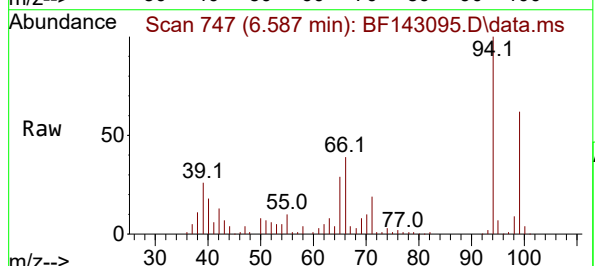
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APPROVED

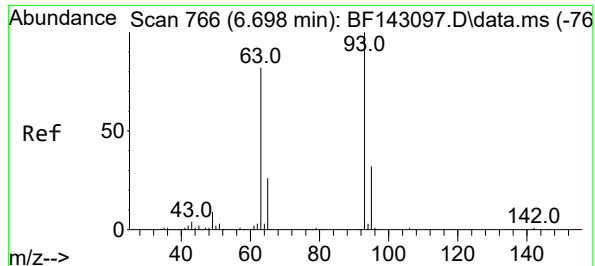
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#10
Phenol
Concen: 10.114 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 94 Resp: 112508
Ion Ratio Lower Upper
94 100
65 29.2 9.8 49.8
66 39.1 20.5 60.5





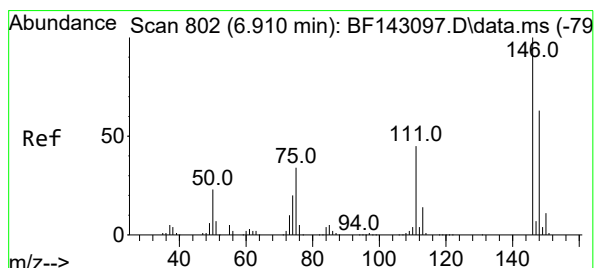
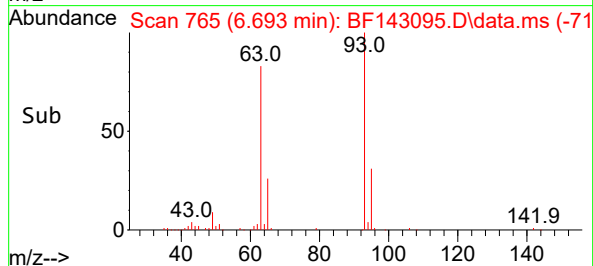
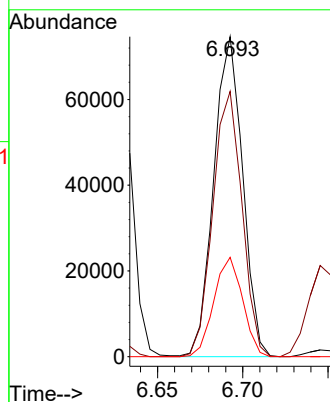
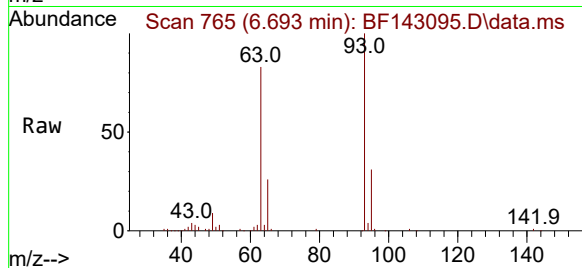
#11
bis(2-Chloroethyl)ether
Concen: 10.224 ng
RT: 6.693 min Scan# 765
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 8804
Ion Ratio Lower Upper
93 100
63 82.9 61.9 101.9
95 31.1 12.2 52.2

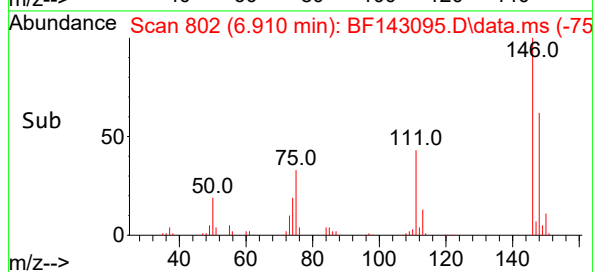
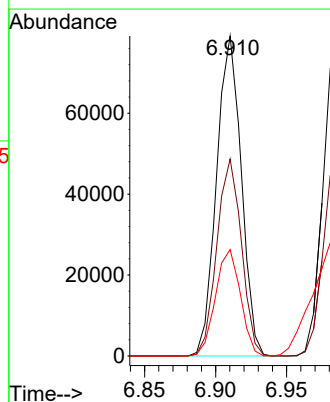
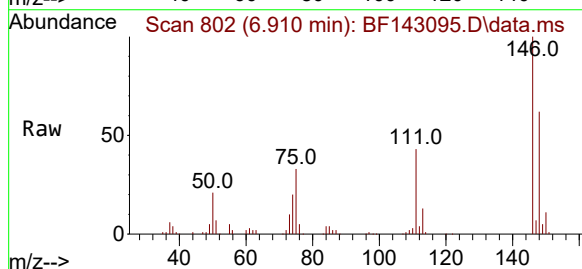
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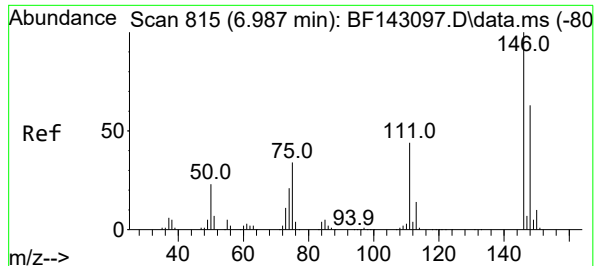
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#12
1,3-Dichlorobenzene
Concen: 10.313 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:146 Resp: 95695
Ion Ratio Lower Upper
146 100
148 61.6 50.1 75.1
75 33.3 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 10.191 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:146 Resp: 95134

Ion Ratio Lower Upper

146 100

148 63.6 50.6 76.0

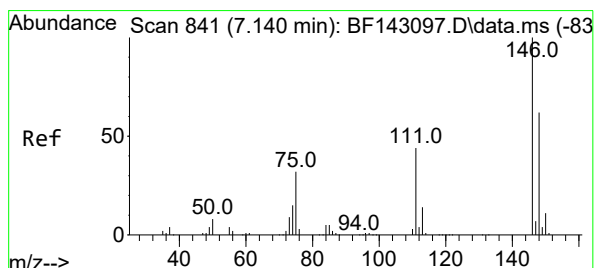
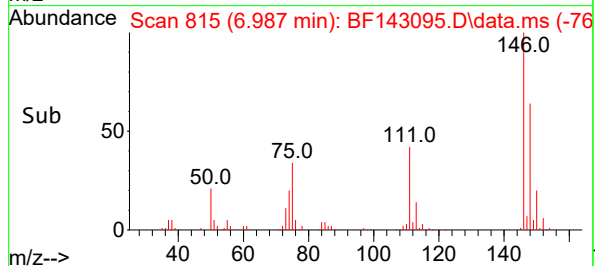
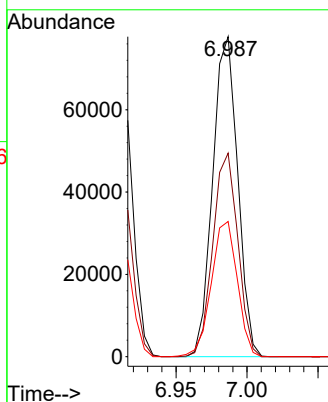
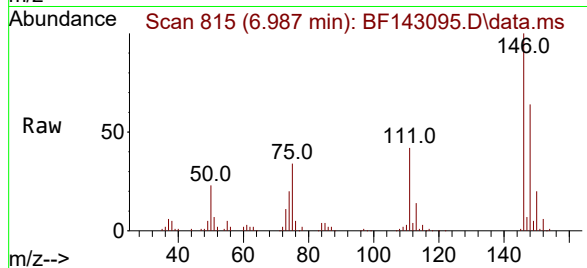
111 42.2 35.0 52.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#14

1,2-Dichlorobenzene

Concen: 10.218 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

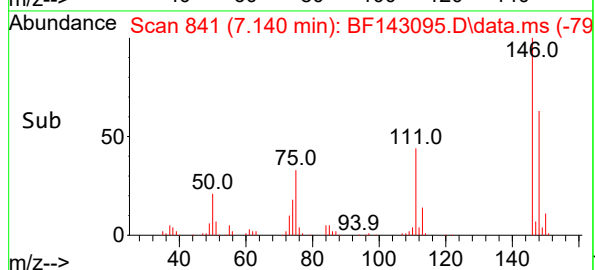
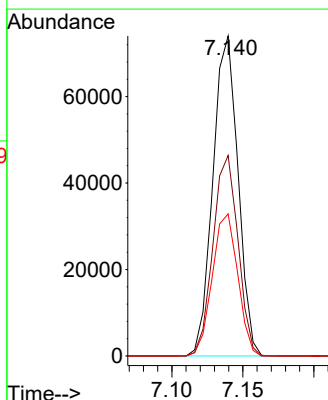
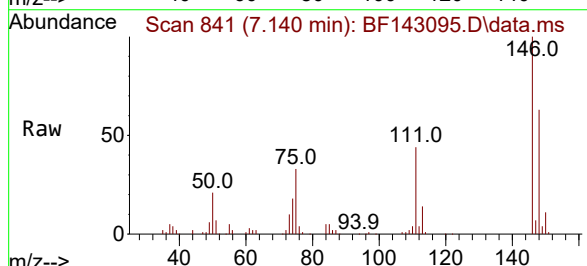
Tgt Ion:146 Resp: 90960

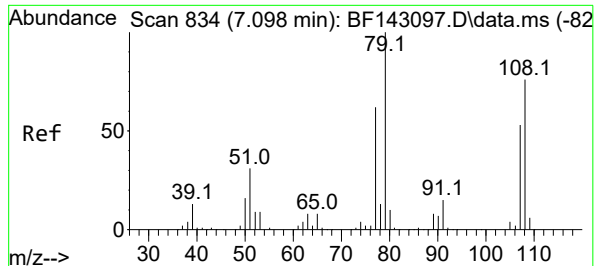
Ion Ratio Lower Upper

146 100

148 62.6 49.8 74.6

111 44.4 35.4 53.0





#15

Benzyl Alcohol

Concen: 9.554 ng

RT: 7.092 min Scan# 811

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

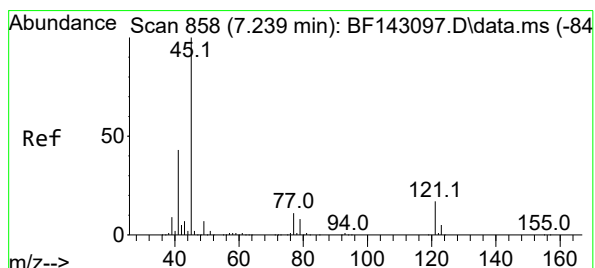
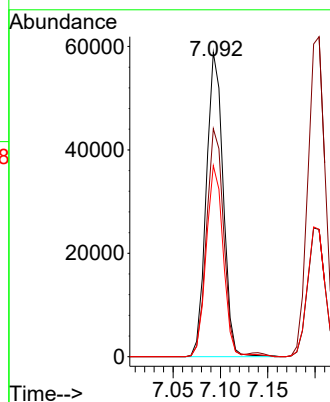
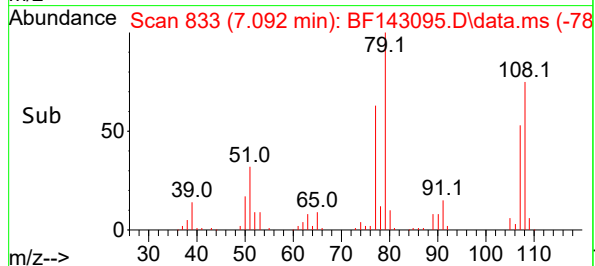
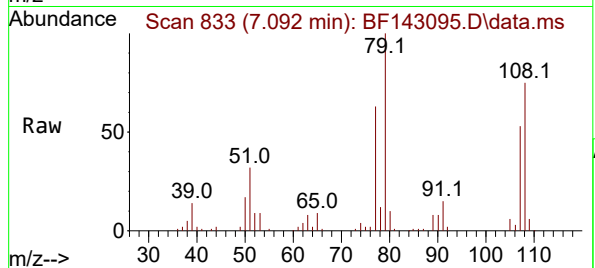
Tgt Ion:	79	Resp:	7274
Ion	Ratio	Lower	Upper
79	100		
108	74.9	61.1	91.7
77	62.8	49.9	74.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.299 ng

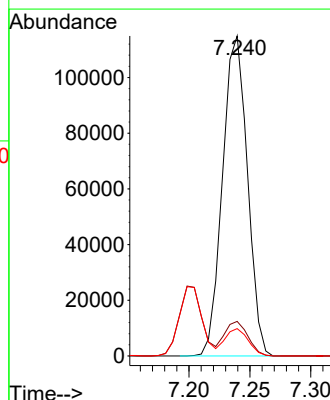
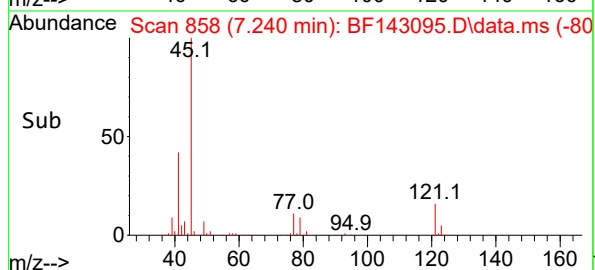
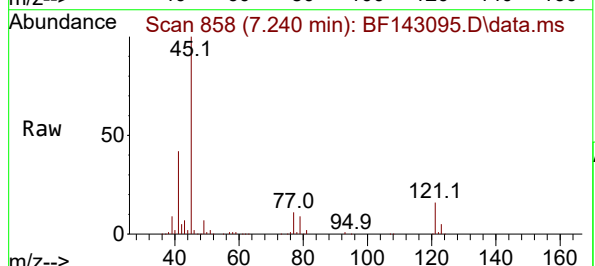
RT: 7.240 min Scan# 858

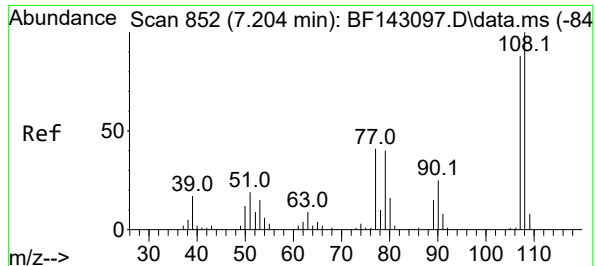
Delta R.T. 0.000 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Tgt Ion:	45	Resp:	163494
Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.1
79	8.6	0.0	28.4





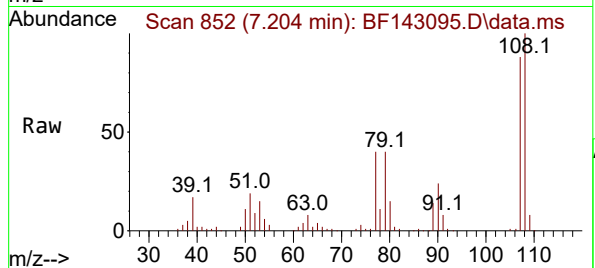
#17
2-Methylphenol
Concen: 9.849 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDIC010



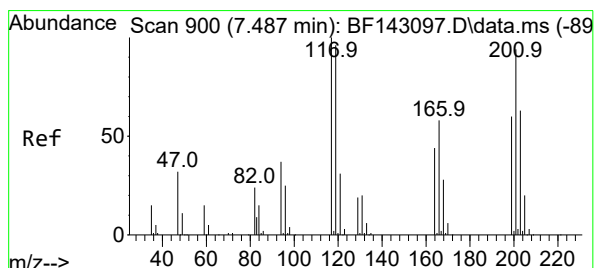
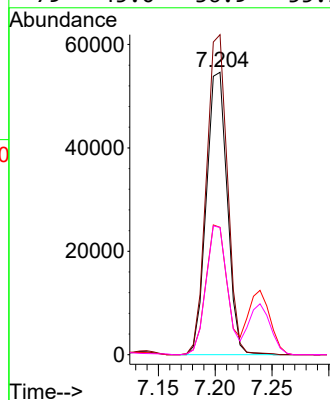
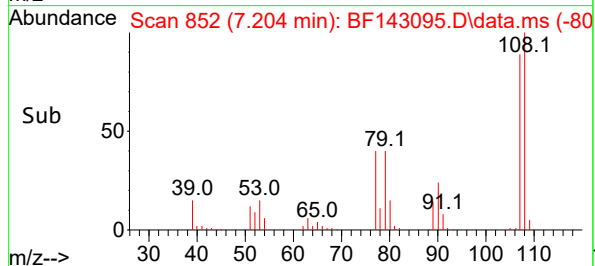
Tgt Ion:107 Resp: 69808
Ion Ratio Lower Upper
107 100
108 113.3 90.9 136.3
77 45.1 37.5 56.3
79 45.0 36.9 55.3

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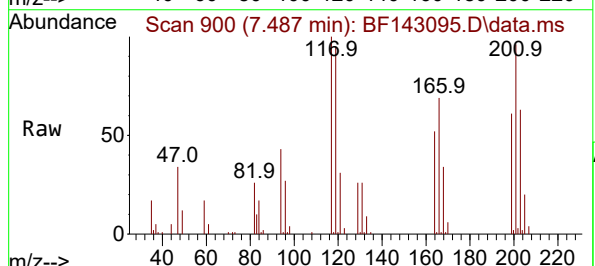
APPROVED

Reviewed By :Rahul Chavli 07/16/2025

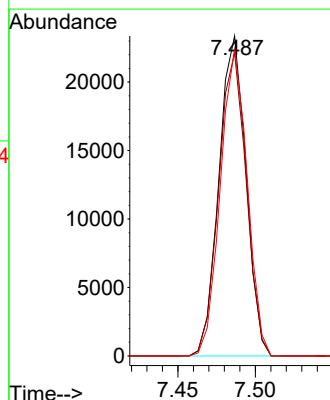
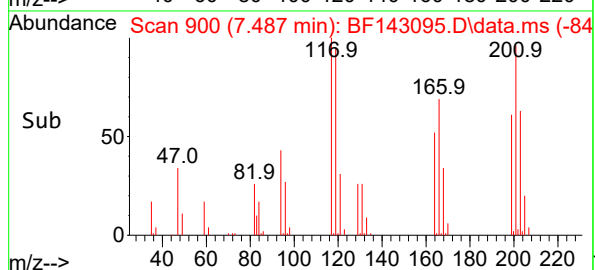
Supervised By :Jagrut Upadhyay 07/16/2025

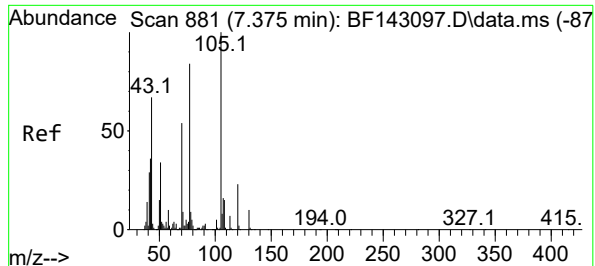


#18
Hexachloroethane
Concen: 9.345 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05



Tgt Ion:117 Resp: 28400
Ion Ratio Lower Upper
117 100
119 94.7 76.7 115.1
201 95.9 75.0 112.4





#19

n-Nitroso-di-n-propylamine

Concen: 10.139 ng

RT: 7.363 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 6383

Ion Ratio Lower Upper

70 100

42 71.4 53.2 79.8

101 9.2 7.5 11.3

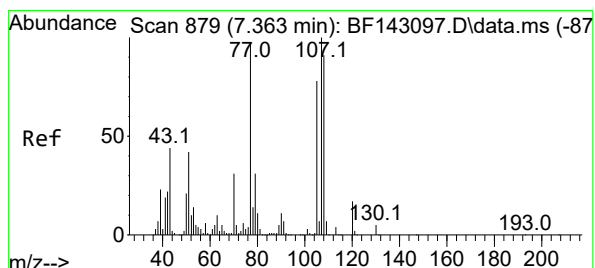
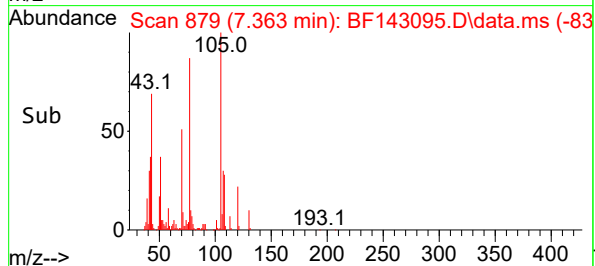
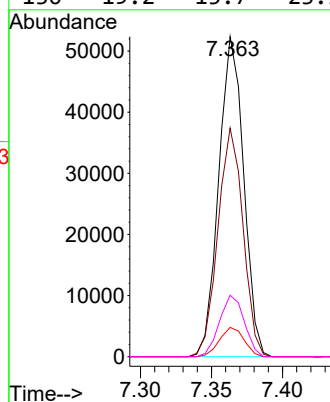
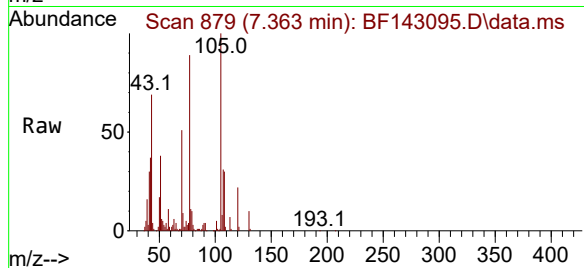
130 19.2 15.7 23.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#20

3+4-Methylphenols

Concen: 10.391 ng

RT: 7.351 min Scan# 877

Delta R.T. -0.012 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Tgt Ion:107 Resp: 90318

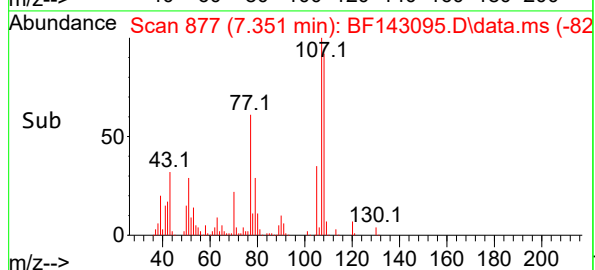
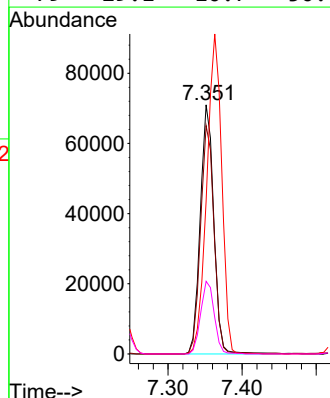
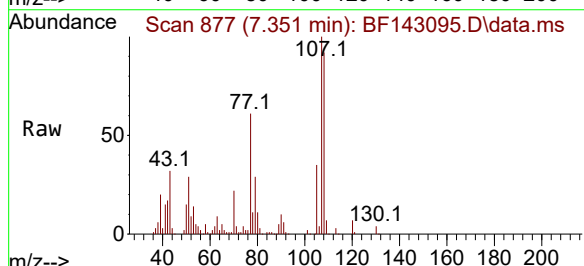
Ion Ratio Lower Upper

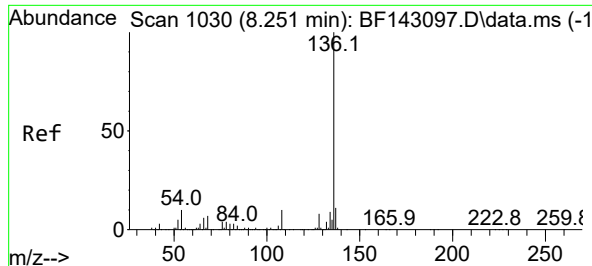
107 100

108 91.6 71.3 111.3

77 61.4 77.2 117.2#

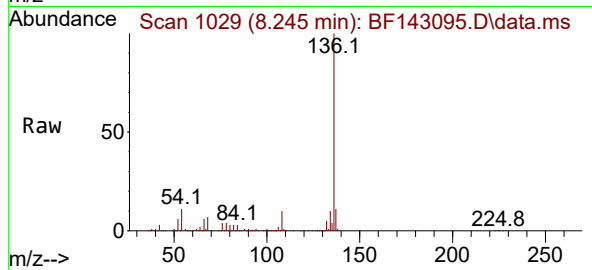
79 29.1 10.7 50.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

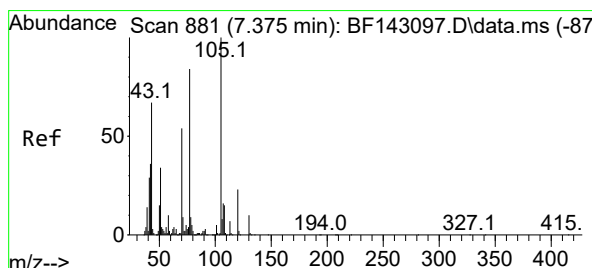
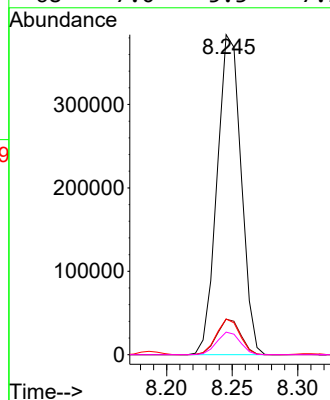
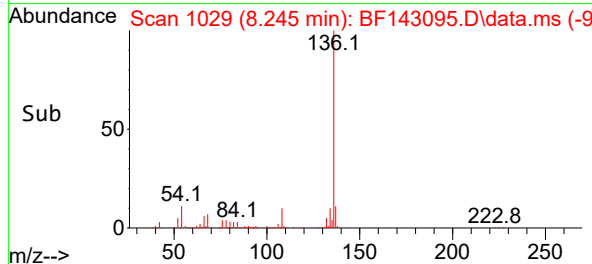
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:136 Resp: 488635
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 11.2 8.3 12.5
68 7.0 5.3 7.9

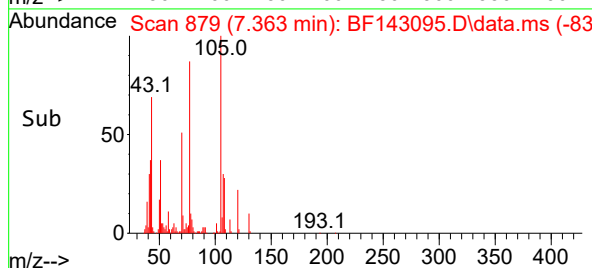
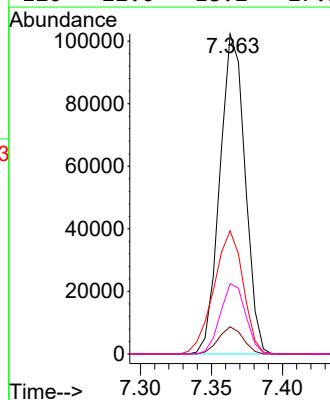
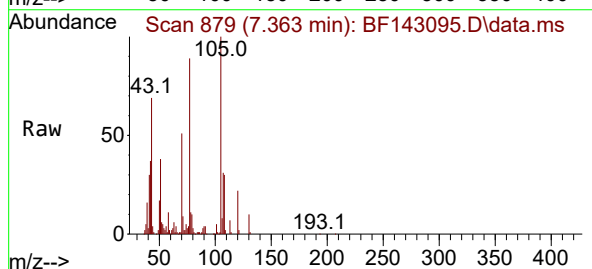
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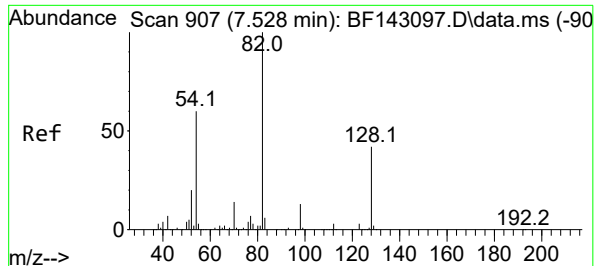
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#22
Acetophenone
Concen: 10.708 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:105 Resp: 126127
Ion Ratio Lower Upper
105 100
71 8.5 7.2 10.8
51 38.5 27.0 40.4
120 22.0 18.2 27.2





#23

Nitrobenzene-d5

Concen: 17.910 ng m

RT: 7.516 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 15600

Ion Ratio Lower Upper

82 100

128 36.8 33.3 49.9

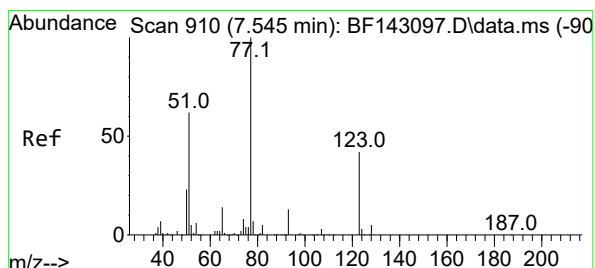
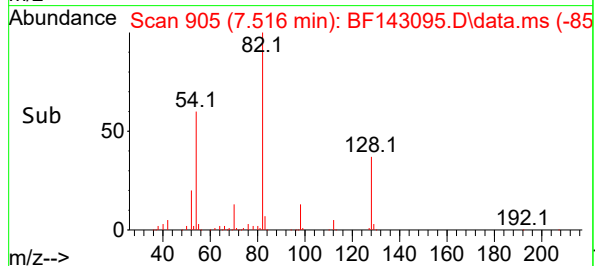
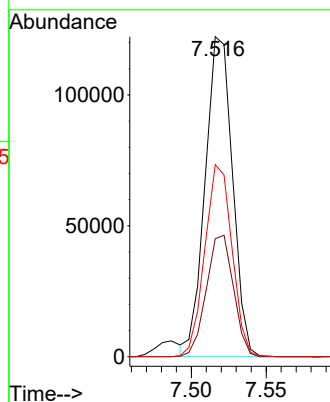
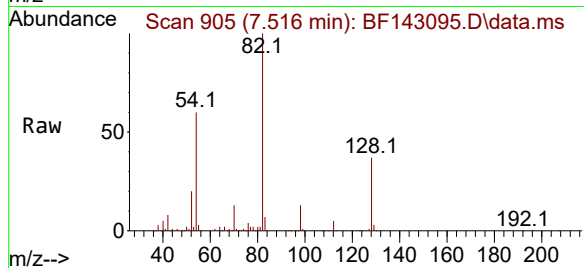
54 60.0 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#24

Nitrobenzene

Concen: 9.201 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

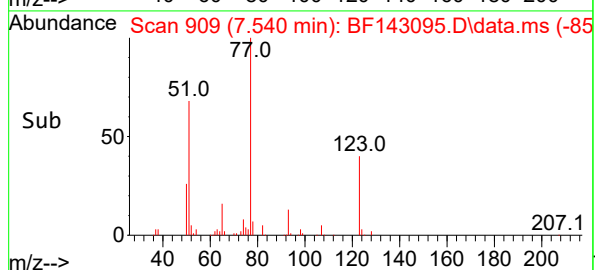
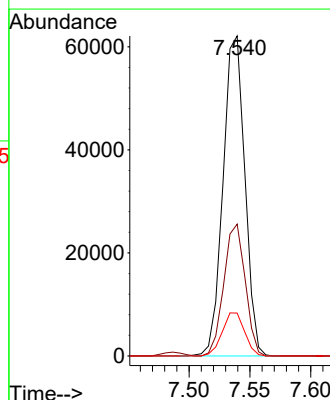
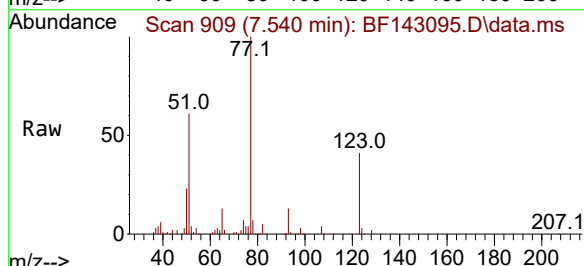
Tgt Ion: 77 Resp: 77369

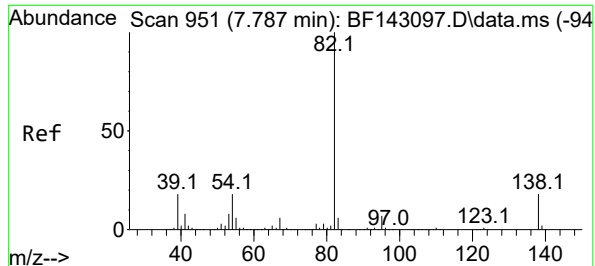
Ion Ratio Lower Upper

77 100

123 41.2 34.5 51.7

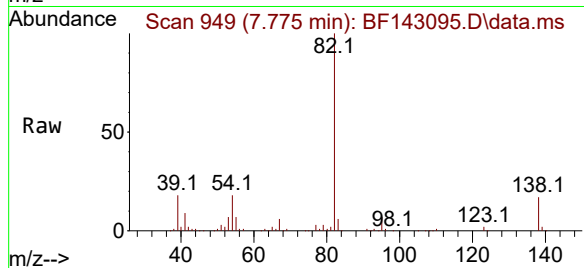
65 13.4 11.3 16.9





#25
Isophorone
Concen: 9.978 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

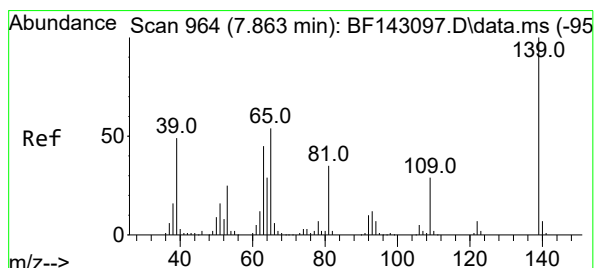
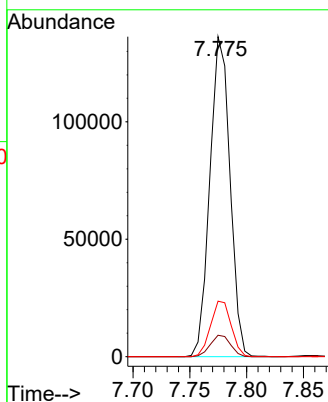
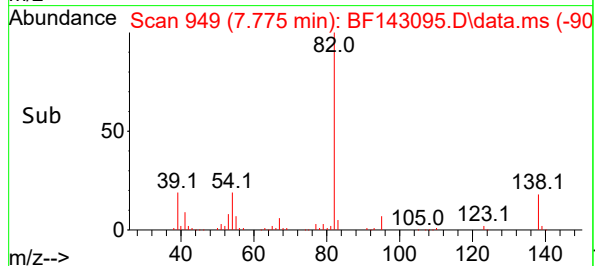
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 82 Resp: 167980
Ion Ratio Lower Upper
82 100
95 6.7 5.6 8.4
138 17.4 14.3 21.5

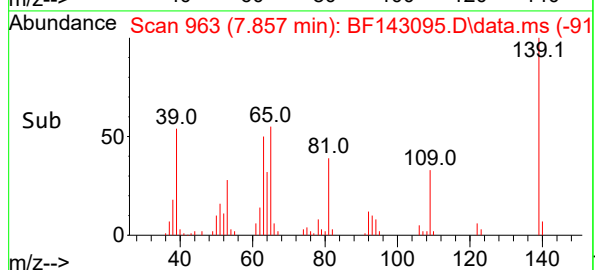
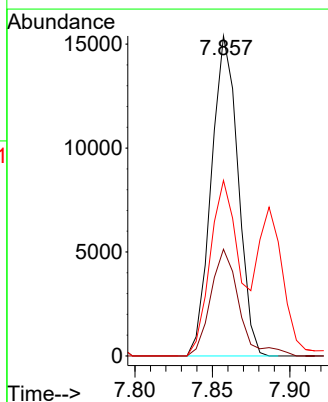
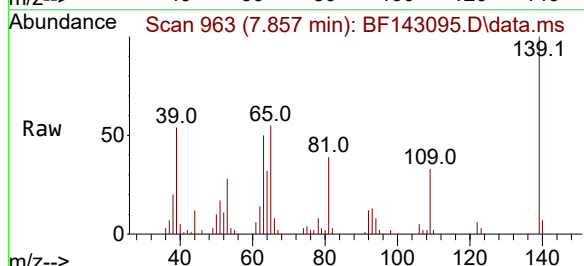
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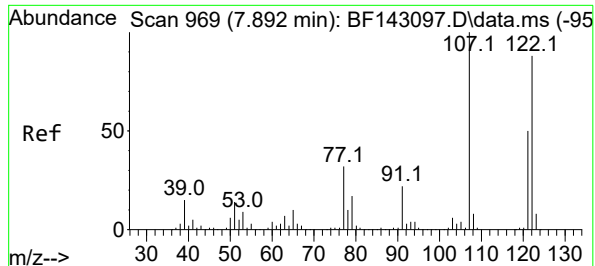
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#26
2-Nitrophenol
Concen: 8.966 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:139 Resp: 18432
Ion Ratio Lower Upper
139 100
109 33.4 23.4 35.0
65 54.8 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 10.072 ng

RT: 7.887 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:122 Resp: 78700

Ion Ratio Lower Upper

122 100

107 116.5 91.3 136.9

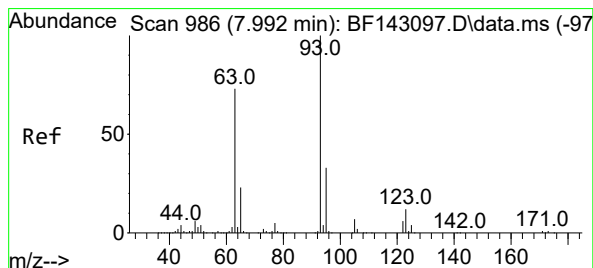
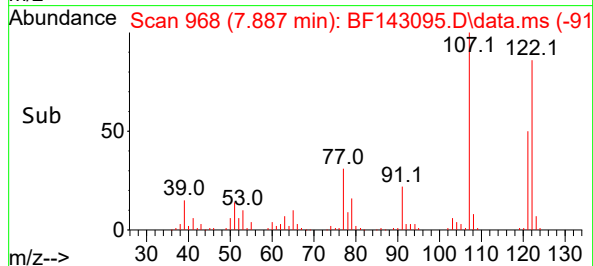
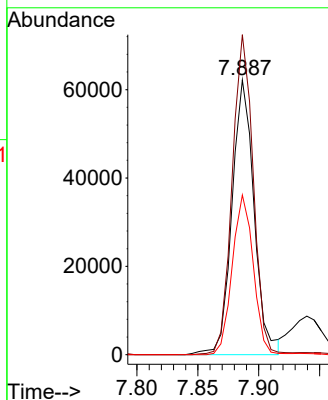
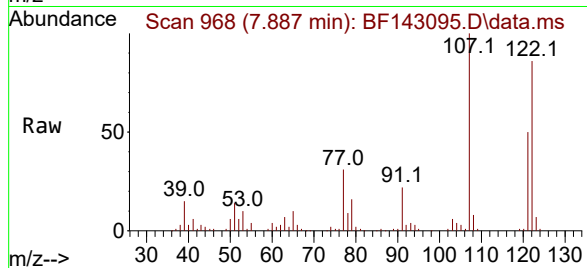
121 58.1 45.5 68.3

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#28

bis(2-Chloroethoxy)methane

Concen: 10.387 ng

RT: 7.987 min Scan# 985

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

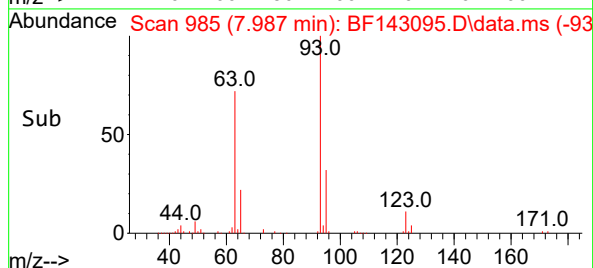
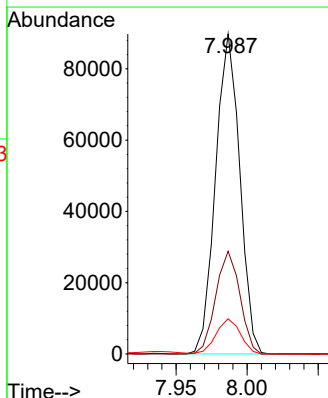
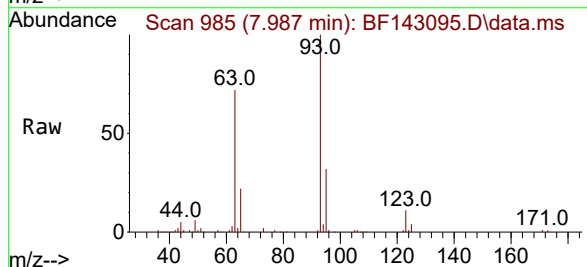
Tgt Ion: 93 Resp: 106045

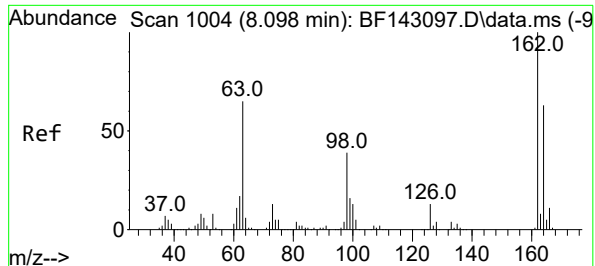
Ion Ratio Lower Upper

93 100

95 32.1 26.2 39.4

123 11.0 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 9.724 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 62164

Ion Ratio Lower Upper

162 100

164 62.3 43.1 83.1

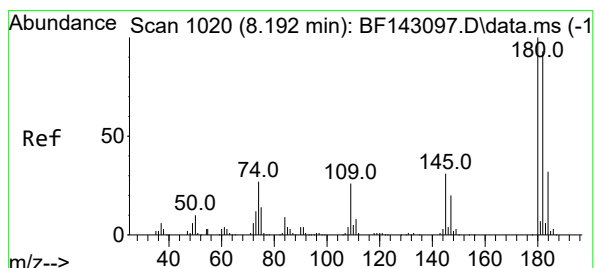
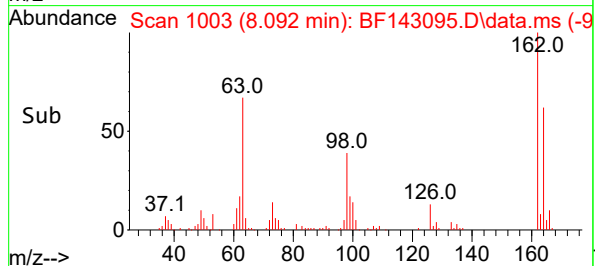
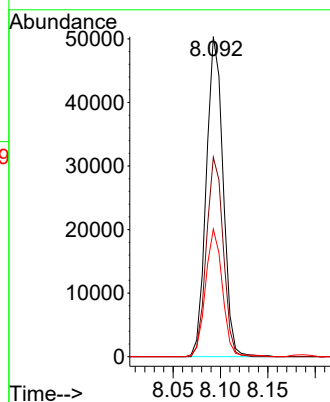
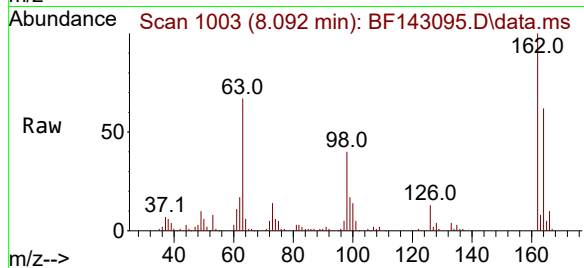
98 39.8 19.2 59.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.280 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

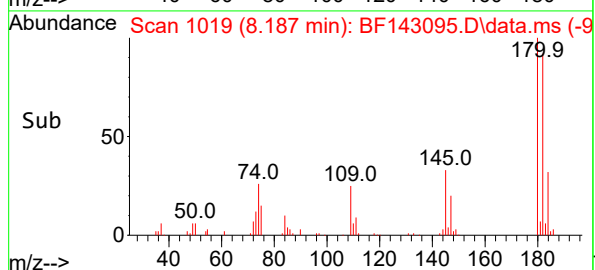
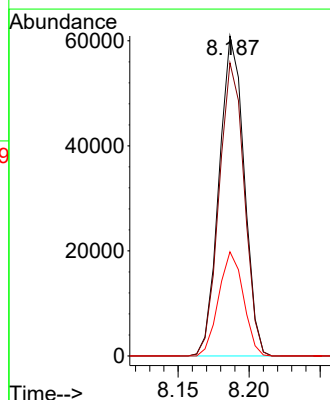
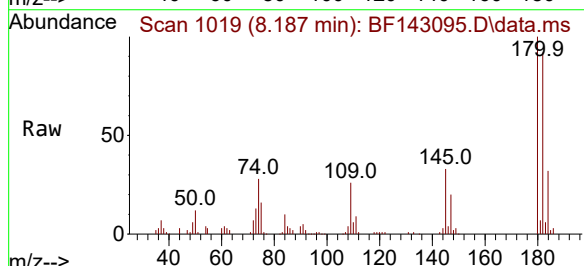
Tgt Ion:180 Resp: 74581

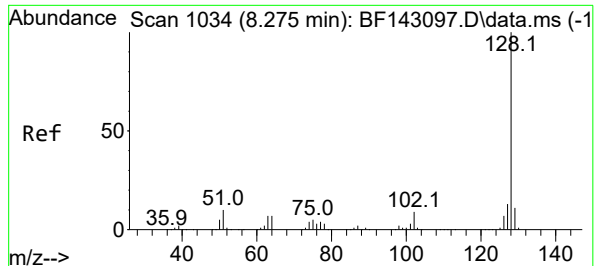
Ion Ratio Lower Upper

180 100

182 91.6 74.7 112.1

145 32.5 24.5 36.7





#31

Naphthalene

Concen: 10.551 ng

RT: 8.269 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:128 Resp: 25603

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

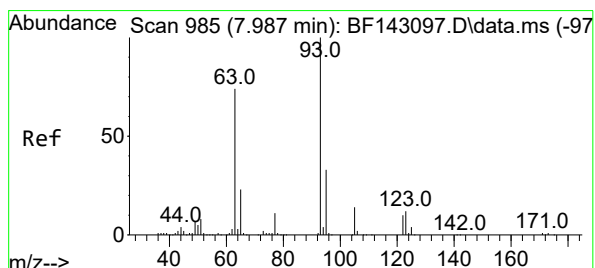
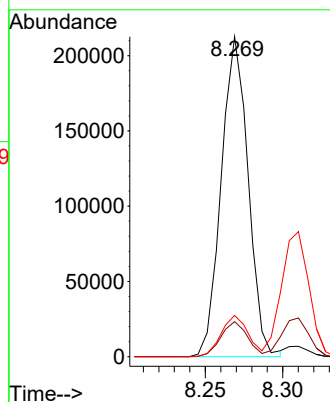
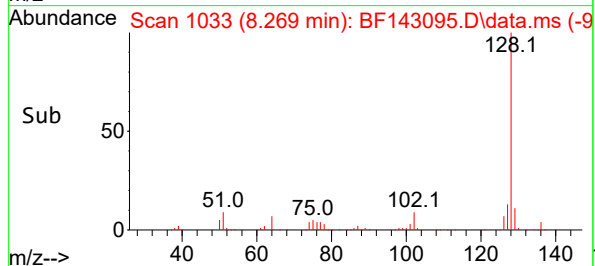
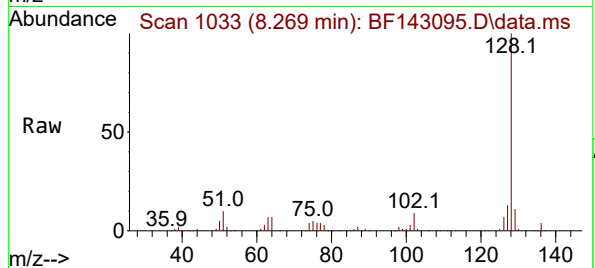
127 12.9 10.5 15.7

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#32

Benzoic acid

Concen: 10.880 ng m

RT: 7.939 min Scan# 977

Delta R.T. -0.048 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

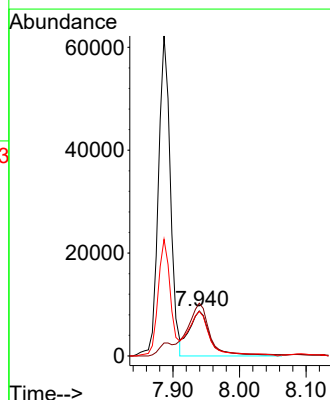
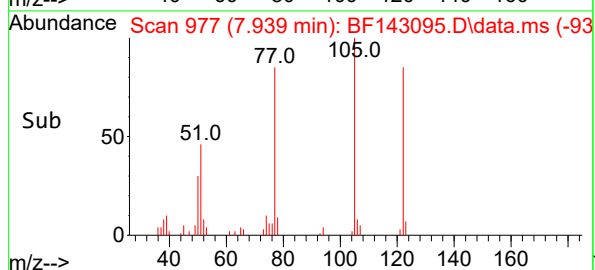
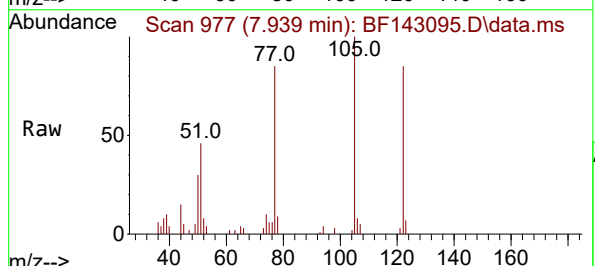
Tgt Ion:122 Resp: 19661

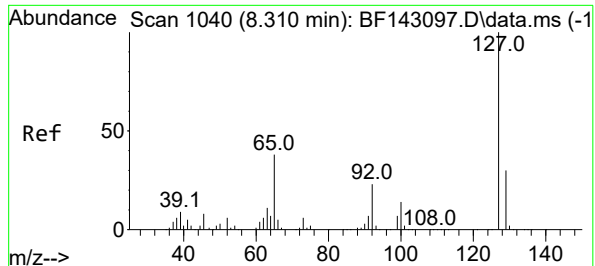
Ion Ratio Lower Upper

122 100

105 117.5 105.4 145.4

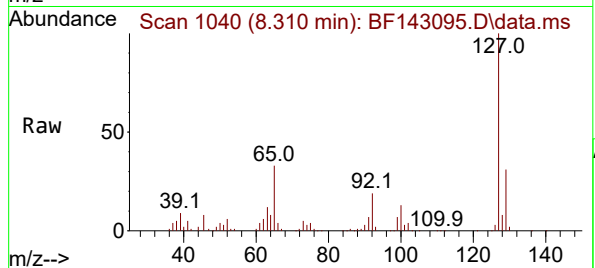
77 99.5 78.6 118.6





#33
4-Chloroaniline
Concen: 10.510 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

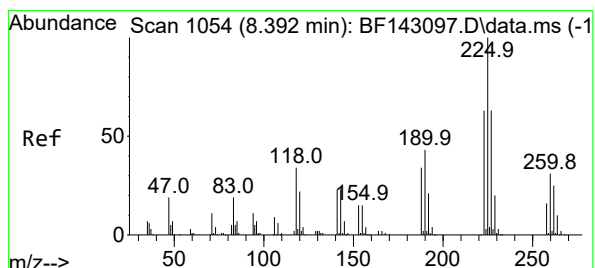
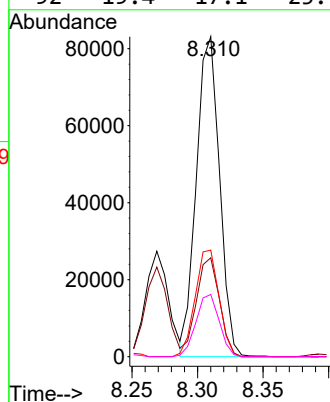
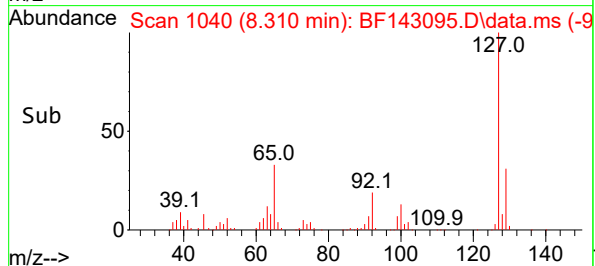
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:127 Resp: 102550
Ion Ratio Lower Upper
127 100
129 30.9 26.2 39.4
65 33.3 28.6 42.8
92 19.4 17.1 25.7

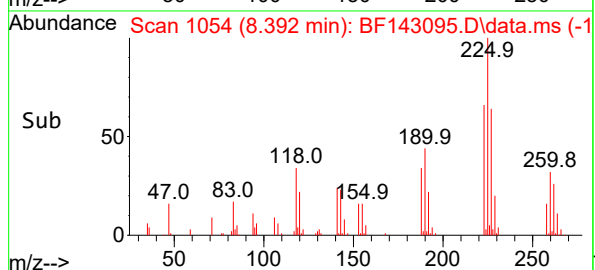
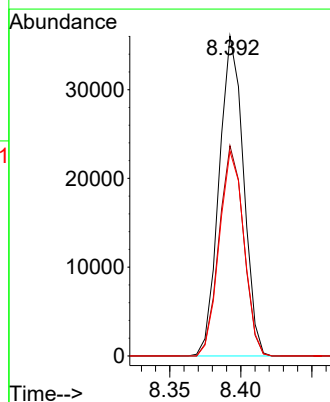
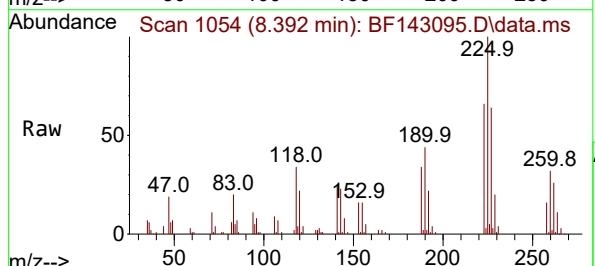
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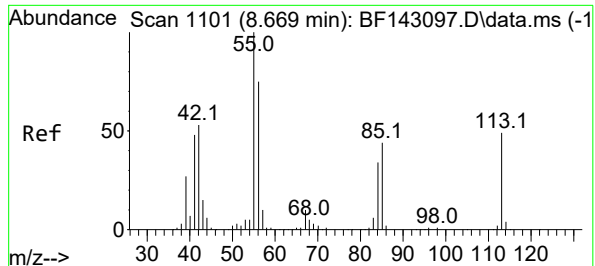
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#34
Hexachlorobutadiene
Concen: 9.901 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:225 Resp: 42959
Ion Ratio Lower Upper
225 100
223 65.7 50.3 75.5
227 63.9 50.1 75.1





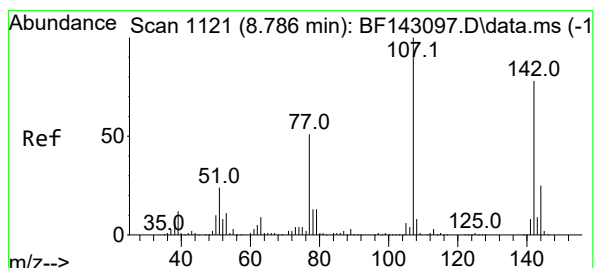
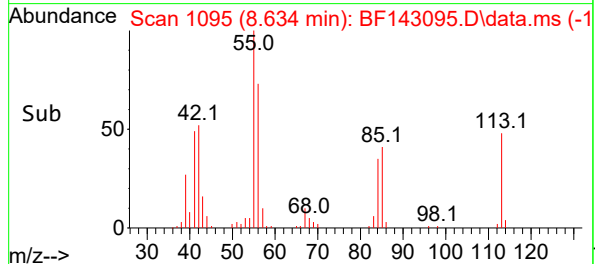
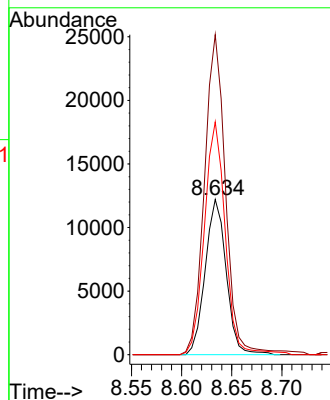
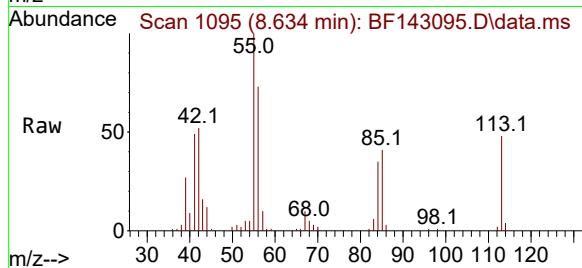
#35
Caprolactam
Concen: 8.944 ng
RT: 8.634 min Scan# 1101
Delta R.T. -0.035 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 1785
Ion Ratio Lower Upper
113 100
55 206.2 186.2 226.2
56 150.0 134.1 174.1

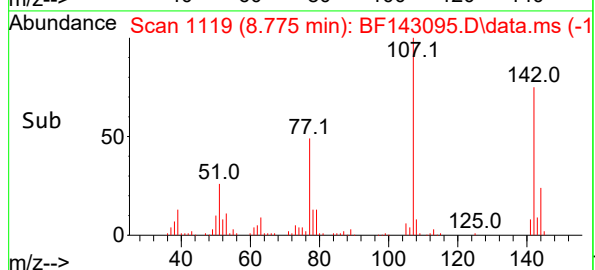
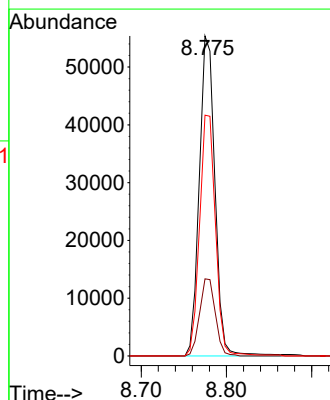
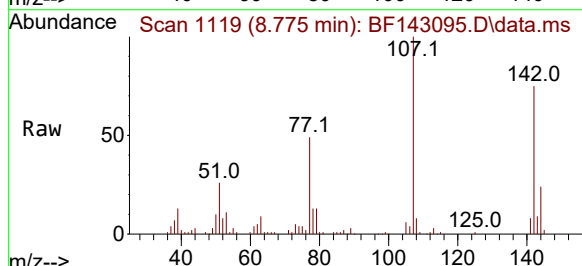
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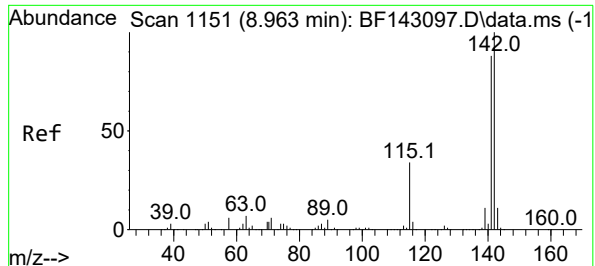
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#36
4-Chloro-3-methylphenol
Concen: 9.935 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

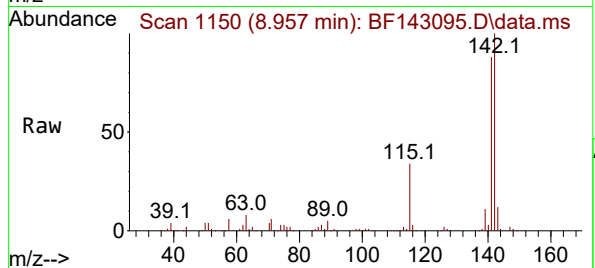
Tgt Ion:107 Resp: 70747
Ion Ratio Lower Upper
107 100
144 24.1 20.2 30.2
142 75.2 62.4 93.6





#37
2-Methylnaphthalene
Concen: 10.557 ng
RT: 8.957 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

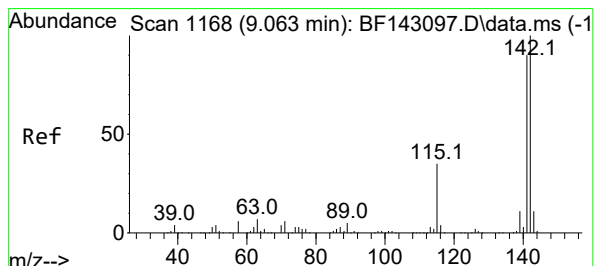
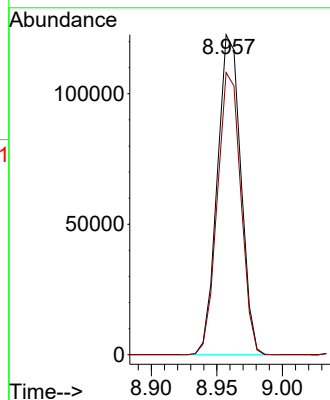
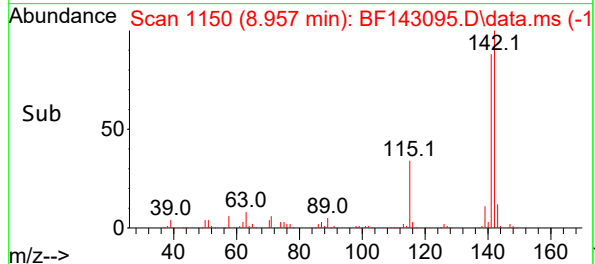
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:142 Resp: 15282
Ion Ratio Lower Upper
142 100
141 88.2 70.2 105.2

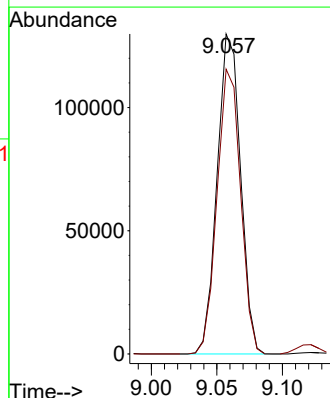
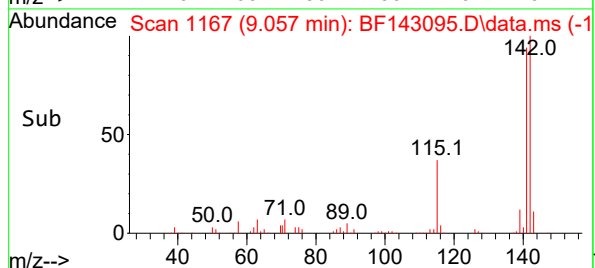
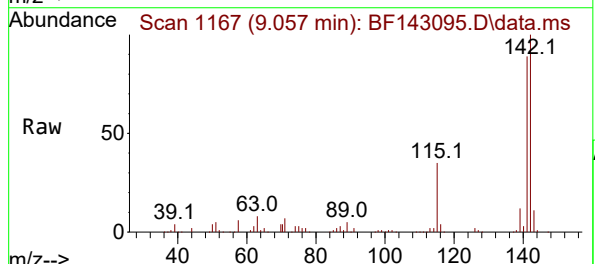
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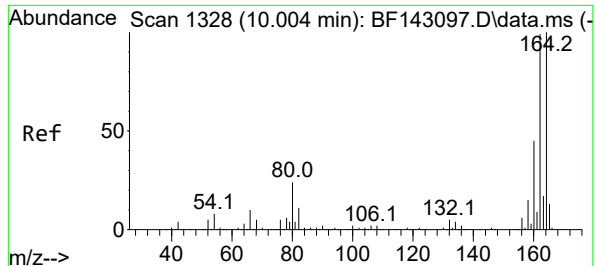
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#38
1-Methylnaphthalene
Concen: 10.739 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:142 Resp: 161228
Ion Ratio Lower Upper
142 100
141 89.0 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143095.D

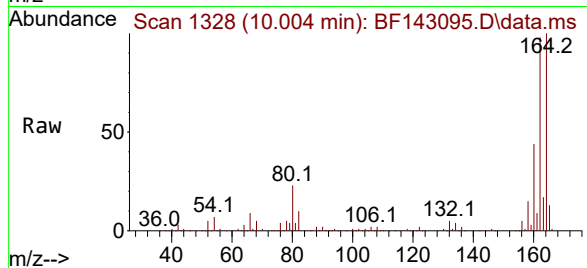
Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 24801

Ion Ratio Lower Upper

164 100

162 98.3 79.0 118.6

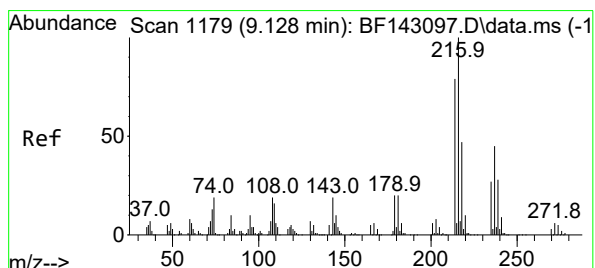
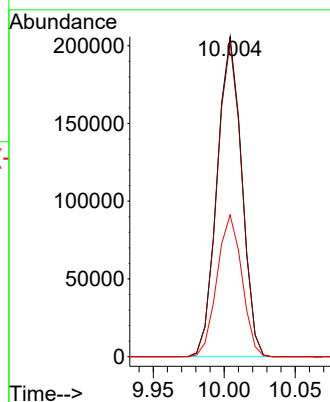
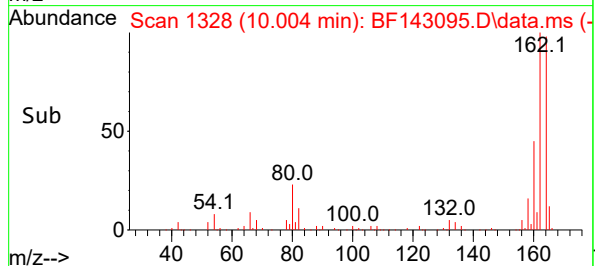
160 44.3 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#40

1,2,4,5-Tetrachlorobenzene

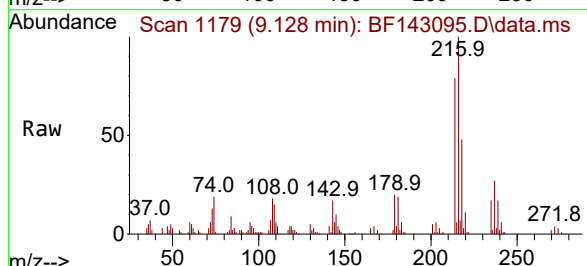
Concen: 10.287 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05



Tgt Ion:216 Resp: 74348

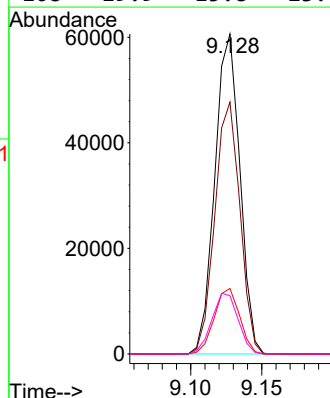
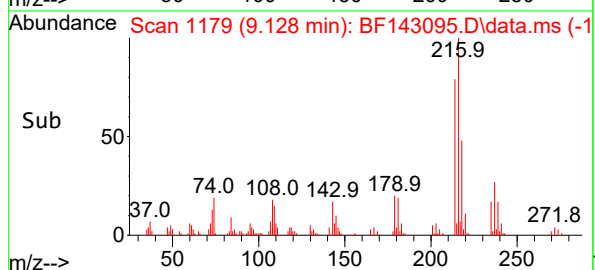
Ion Ratio Lower Upper

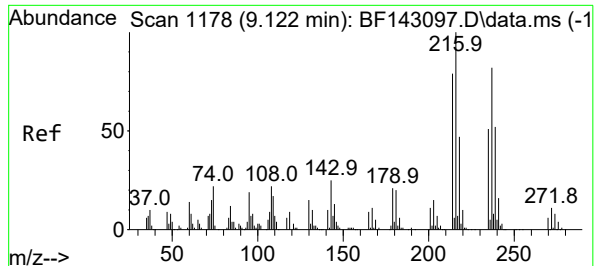
216 100

214 78.7 62.6 94.0

179 20.7 16.2 24.2

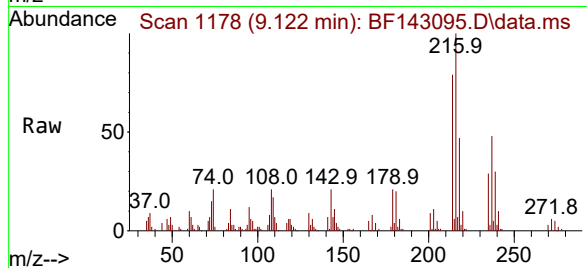
108 19.9 15.8 23.6





#41
Hexachlorocyclopentadiene
Concen: 7.854 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

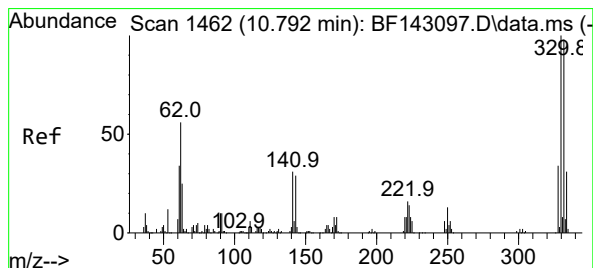
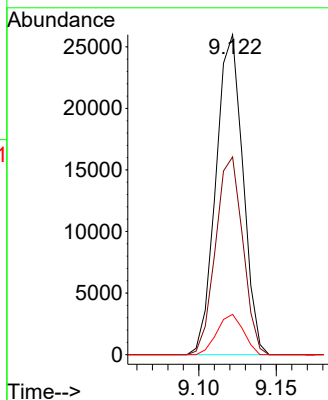
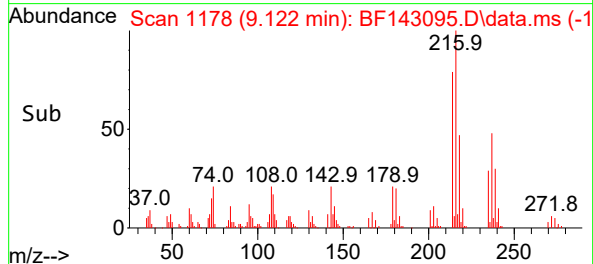
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



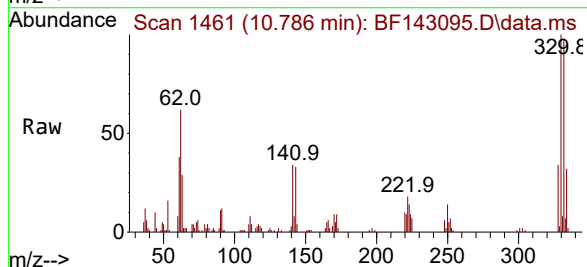
Tgt Ion: 237 Resp: 31472
Ion Ratio Lower Upper
237 100
235 61.8 41.6 81.6
272 12.6 0.0 32.9

Manual Integrations
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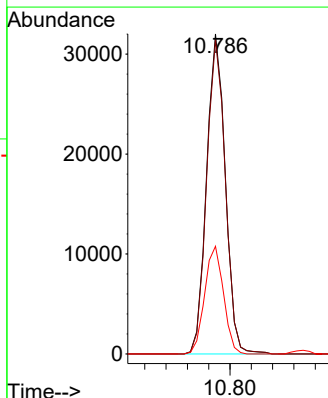
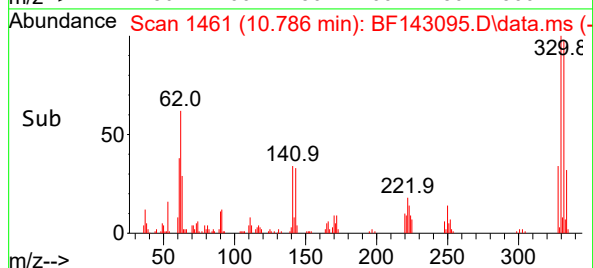
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

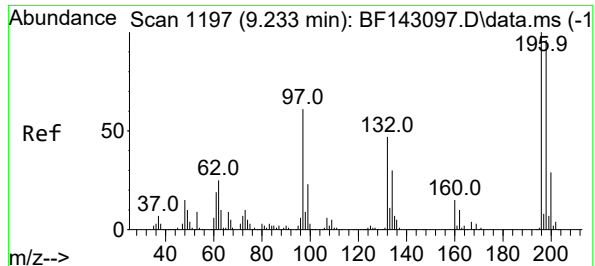


#42
2,4,6-Tribromophenol
Concen: 17.661 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05



Tgt Ion: 330 Resp: 39055
Ion Ratio Lower Upper
330 100
332 98.1 77.9 116.9
141 33.8 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 8.628 ng

RT: 9.234 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF143095.D

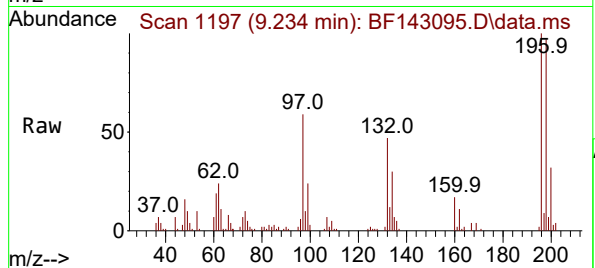
Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:196 Resp: 3874

Ion Ratio Lower Upper

196 100

198 96.6 76.9 115.3

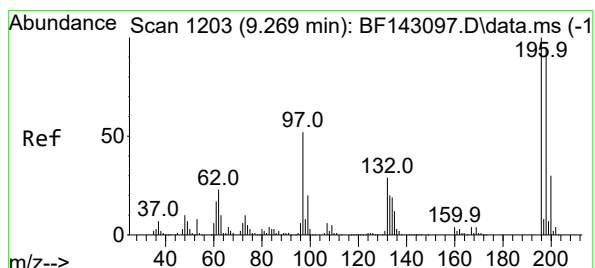
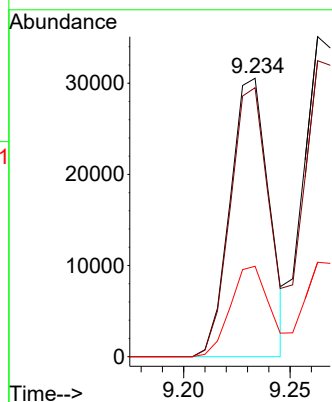
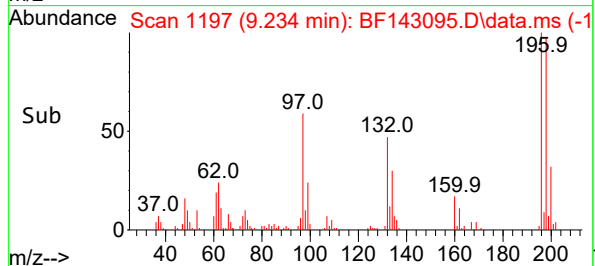
200 32.5 23.5 35.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#44

2,4,5-Trichlorophenol

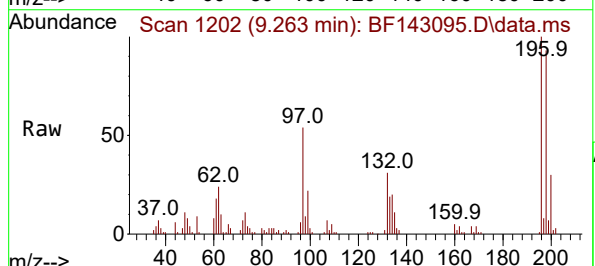
Concen: 9.653 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05



Tgt Ion:196 Resp: 45455

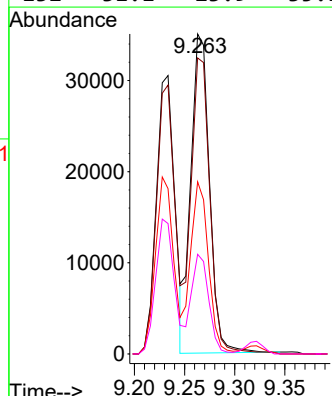
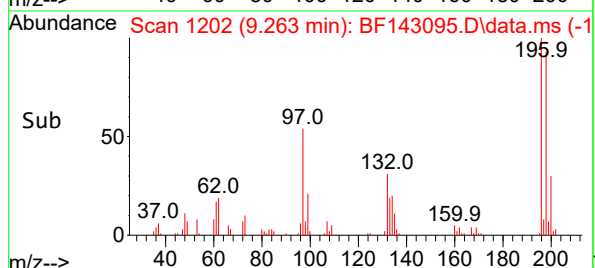
Ion Ratio Lower Upper

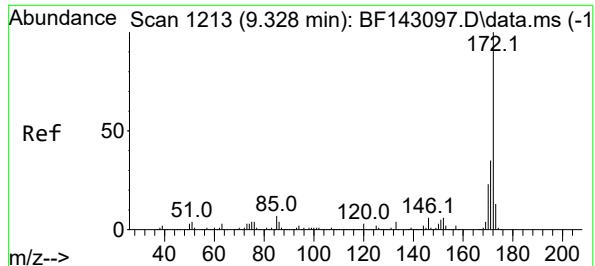
196 100

198 92.5 76.4 114.6

97 53.8 42.4 63.6

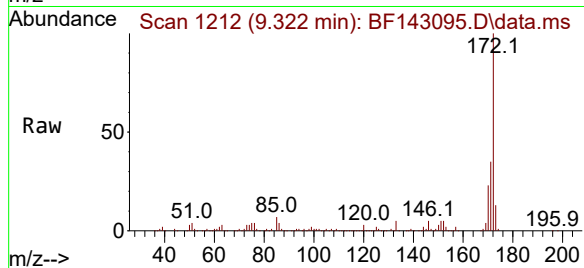
132 31.1 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 21.860 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

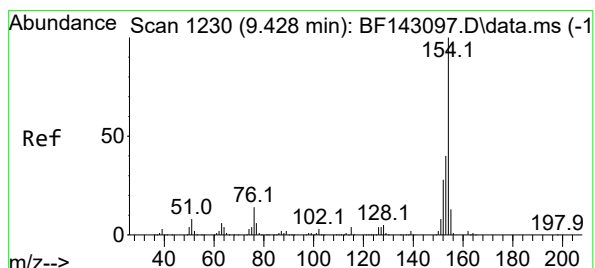
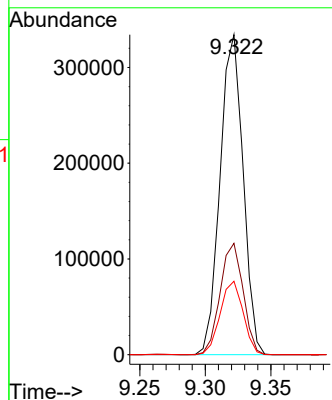
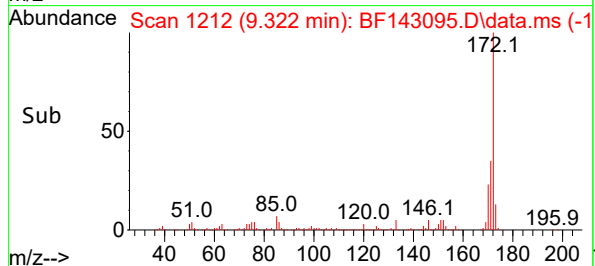
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:172 Resp: 40786
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 23.0 18.6 28.0

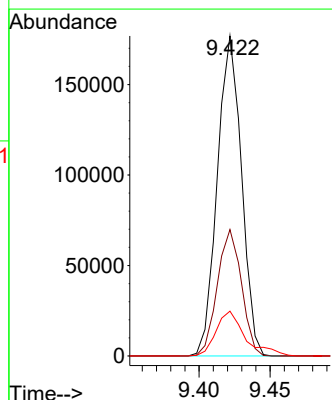
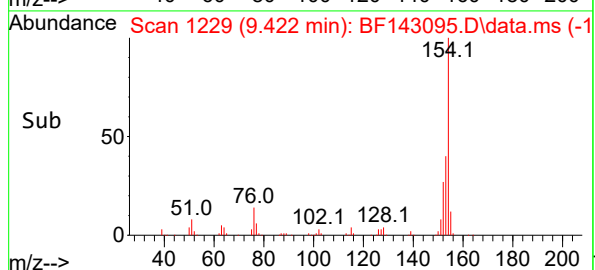
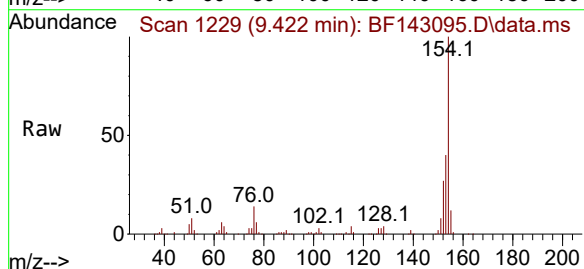
Manual Integrations
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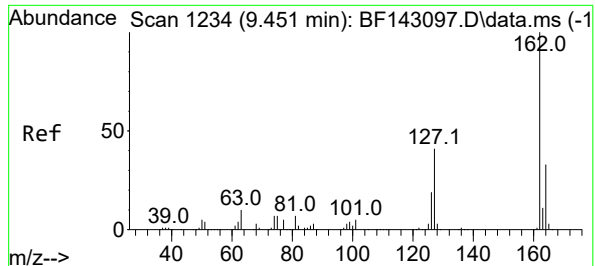
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#46
1,1'-Biphenyl
Concen: 10.580 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:154 Resp: 209259
Ion Ratio Lower Upper
154 100
153 39.5 20.1 60.1
76 14.0 0.0 33.7





#47

2-Chloronaphthalene

Concen: 10.267 ng

RT: 9.445 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF143095.D

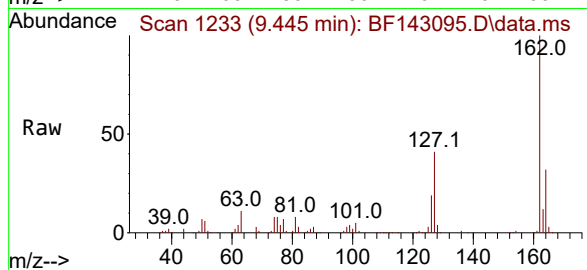
Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 14917

Ion Ratio Lower Upper

162 100

127 41.1 33.0 49.6

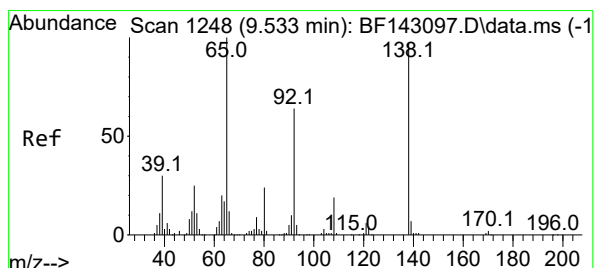
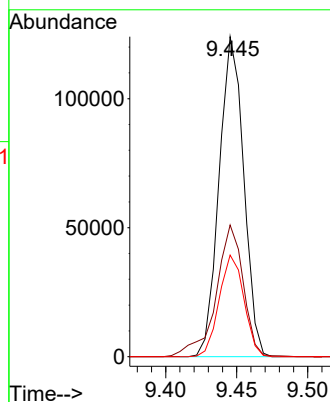
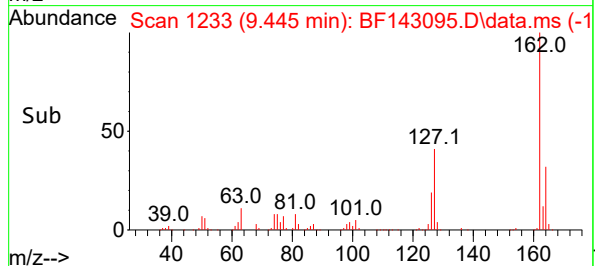
164 31.8 26.1 39.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#48

2-Nitroaniline

Concen: 9.163 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.001 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

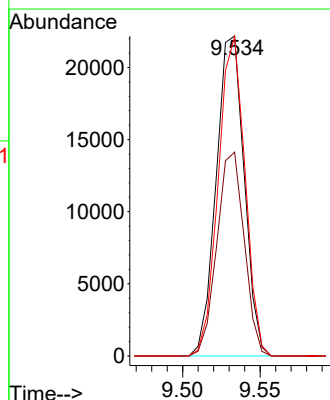
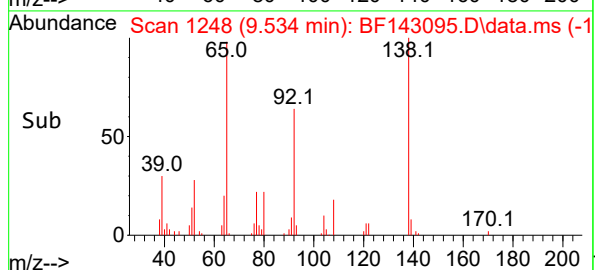
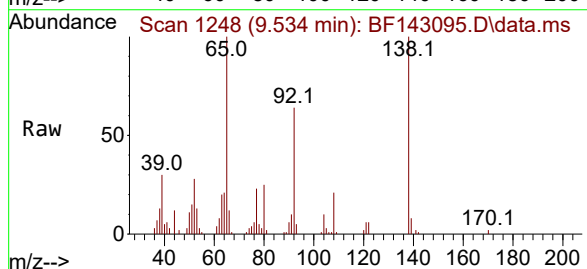
Tgt Ion: 65 Resp: 27816

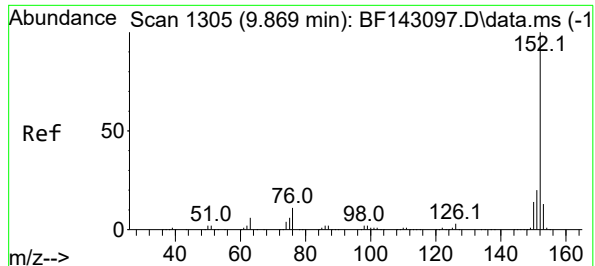
Ion Ratio Lower Upper

65 100

92 63.7 51.3 76.9

138 99.7 77.8 116.6





#49

Acenaphthylene

Concen: 10.302 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143095.D

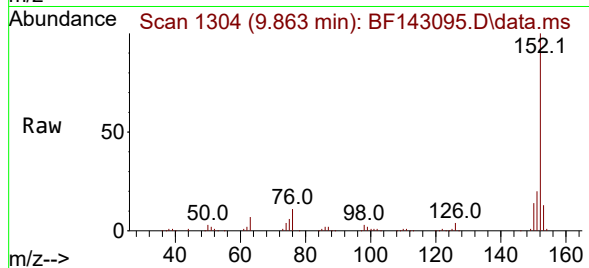
Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



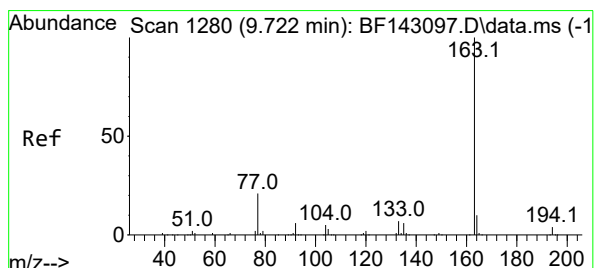
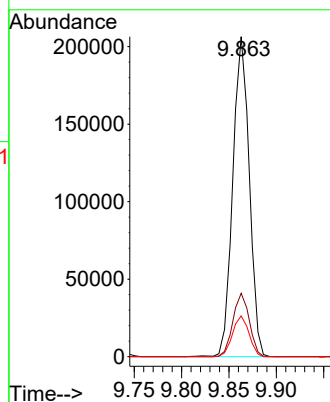
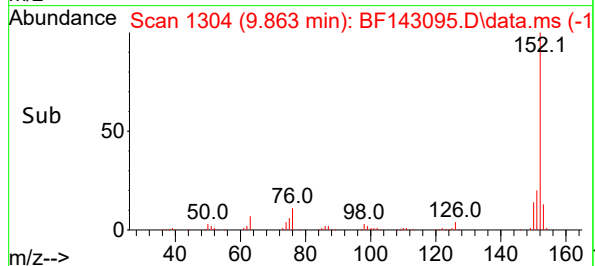
Tgt Ion:152 Resp: 249435
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 12.8 10.4 15.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/16/2025



#50

Dimethylphthalate

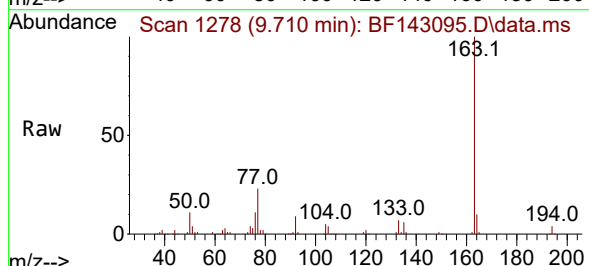
Concen: 10.003 ng

RT: 9.710 min Scan# 1278

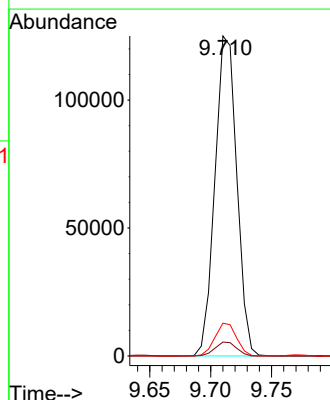
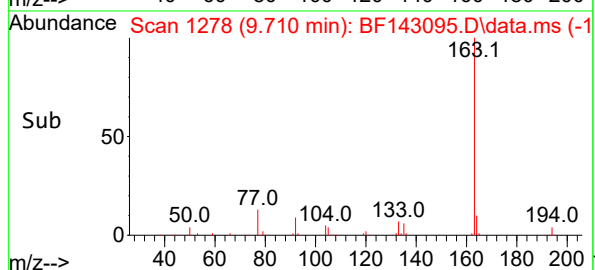
Delta R.T. -0.012 min

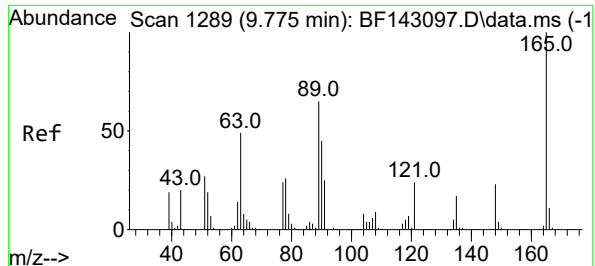
Lab File: BF143095.D

Acq: 15 Jul 2025 14:05



Tgt Ion:163 Resp: 156072
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 9.451 ng

RT: 9.769 min Scan# 1289

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:165 Resp: 21789

Ion Ratio Lower Upper

165 100

63 74.4 57.4 86.0

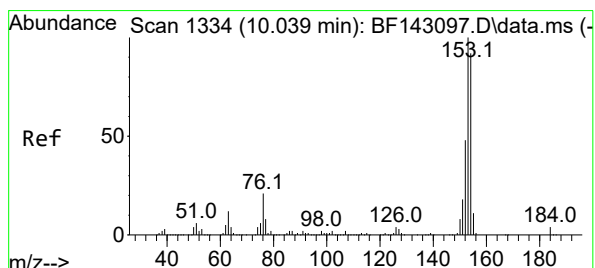
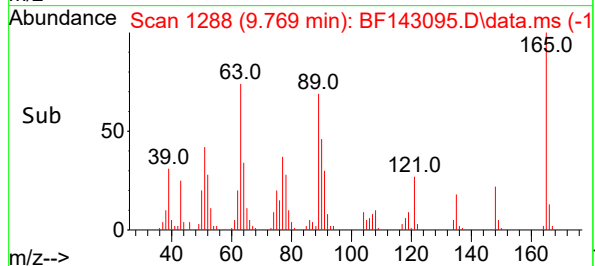
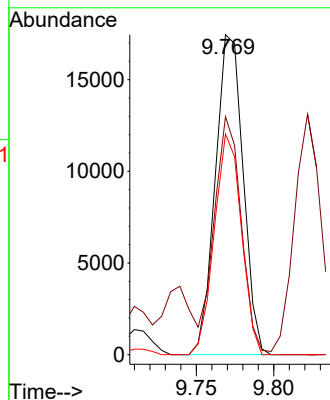
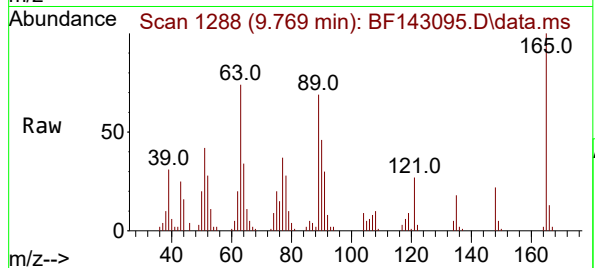
89 69.0 51.8 77.8

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#52

Acenaphthene

Concen: 10.451 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

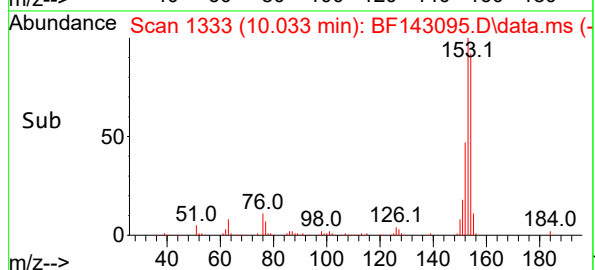
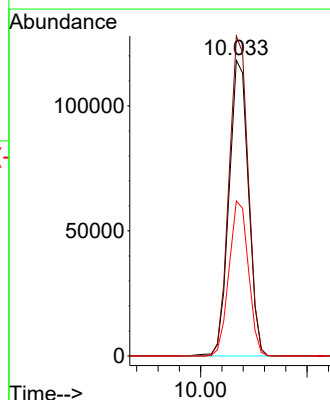
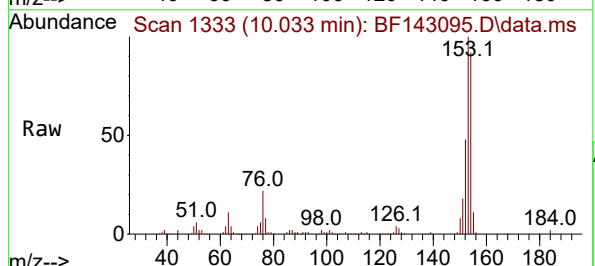
Tgt Ion:154 Resp: 149318

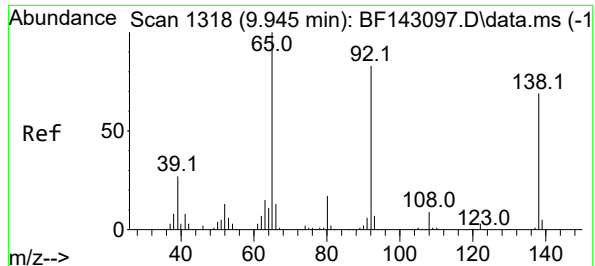
Ion Ratio Lower Upper

154 100

153 108.2 86.7 130.1

152 52.4 41.4 62.2





#53
3-Nitroaniline
Concen: 8.336 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

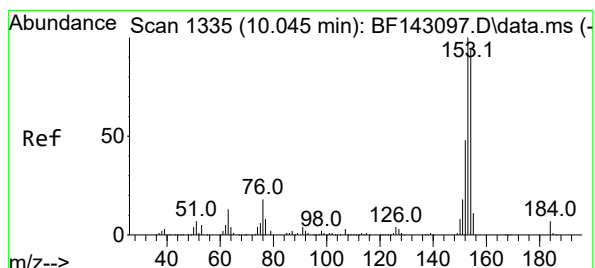
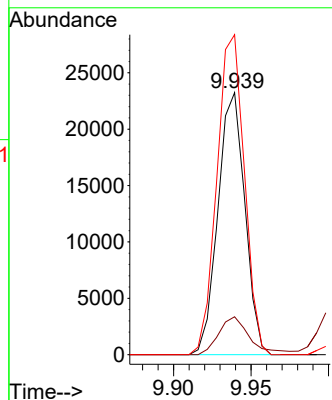
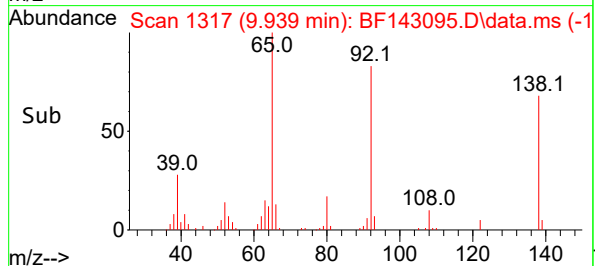
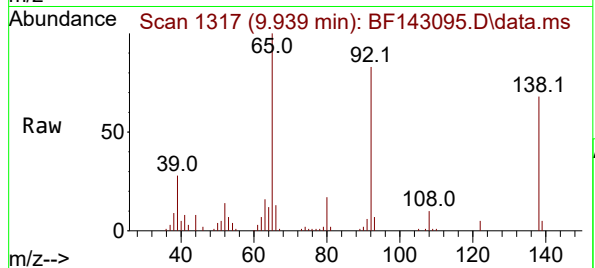
ClientSampleId :

SSTDICC010

Tgt Ion:138 Resp: 2810
Ion Ratio Lower Upper
138 100
108 14.5 10.1 15.1
92 122.1 96.4 144.6

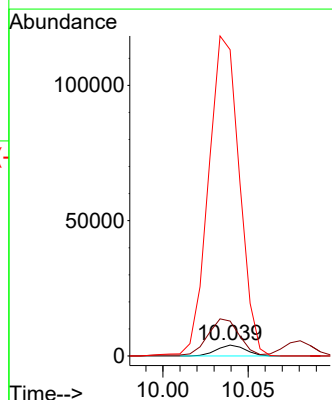
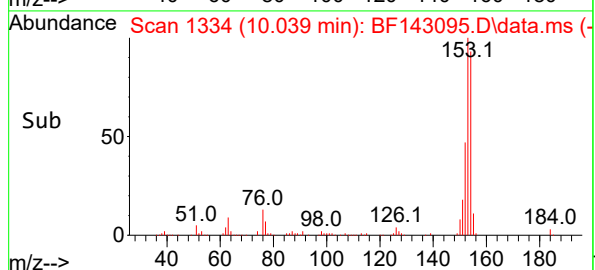
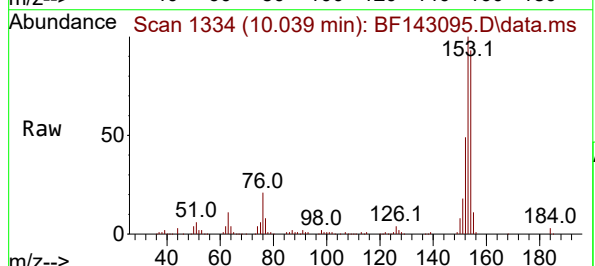
Manual Integrations
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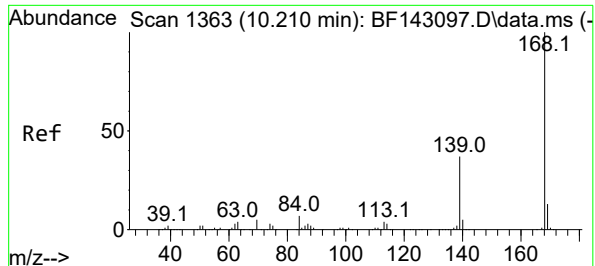
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#54
2,4-Dinitrophenol
Concen: 10.239 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

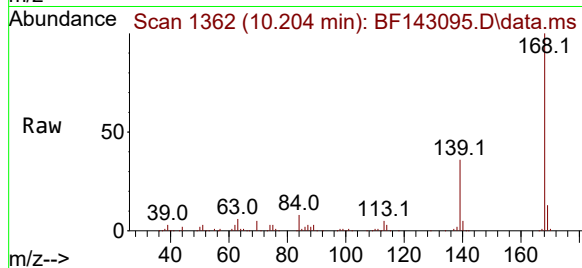
Tgt Ion:184 Resp: 4729
Ion Ratio Lower Upper
184 100
63 321.1 149.3 223.9#
154 2815.4 1048.0 1572.0#





#55
Dibenzenofuran
Concen: 10.451 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

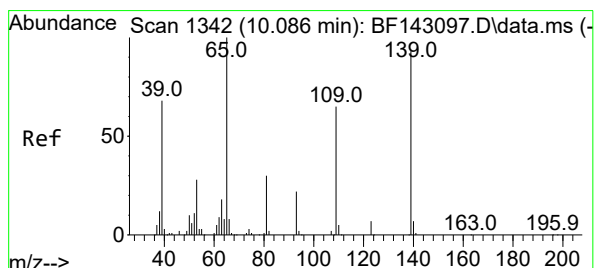
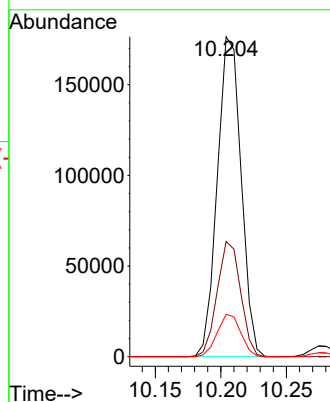
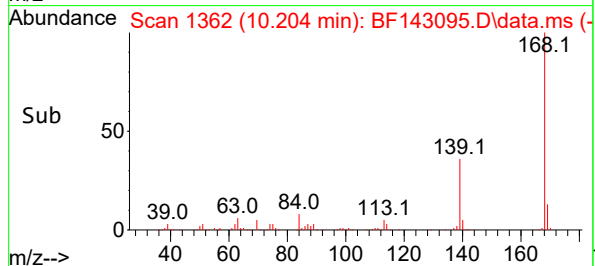
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:168 Resp: 22255
Ion Ratio Lower Upper
168 100
139 36.0 29.8 44.6
169 13.3 10.8 16.2

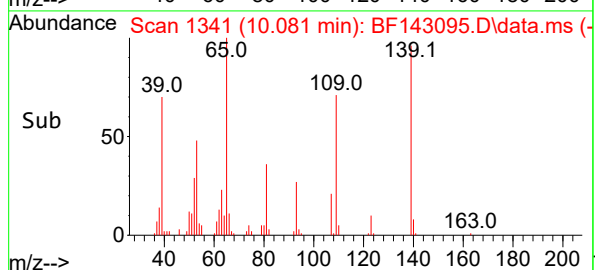
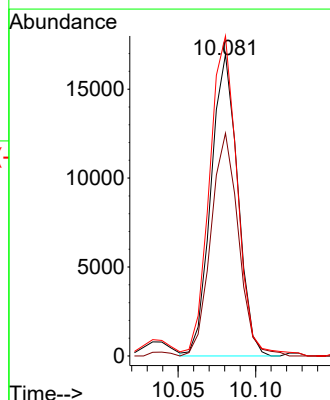
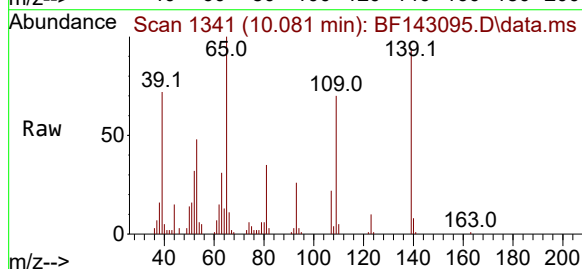
Manual Integrations
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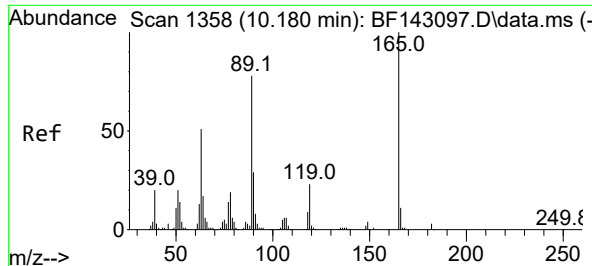
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#56
4-Nitrophenol
Concen: 7.589 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

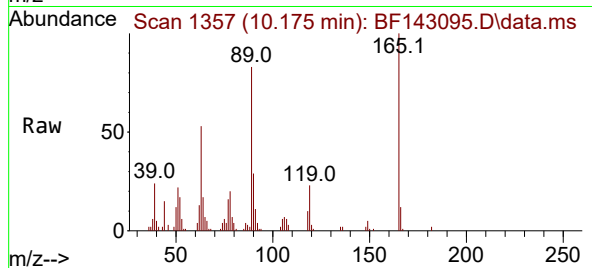
Tgt Ion:139 Resp: 20334
Ion Ratio Lower Upper
139 100
109 73.8 49.4 89.4
65 106.1 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 9.293 ng
RT: 10.175 min Scan# 1357
Delta R.T. -0.005 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

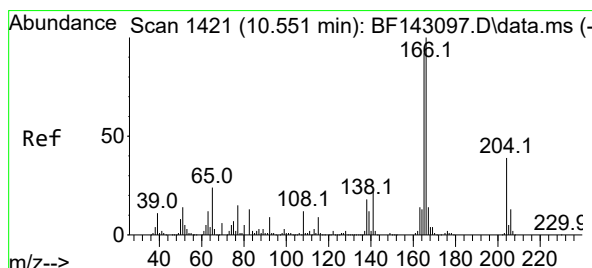
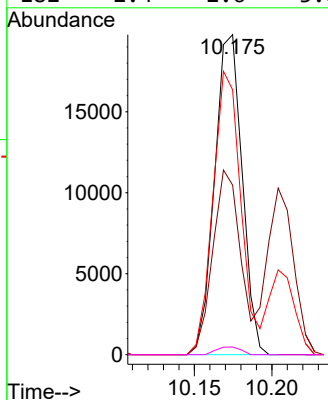
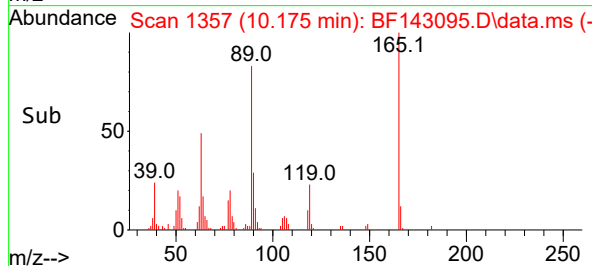
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 24420
Ion Ratio Lower Upper
165 100
63 53.0 40.6 61.0
89 82.8 62.3 93.5
182 2.4 2.6 3.8#

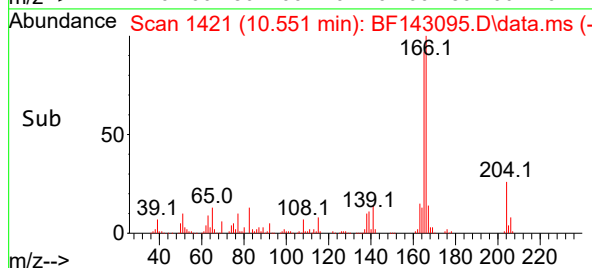
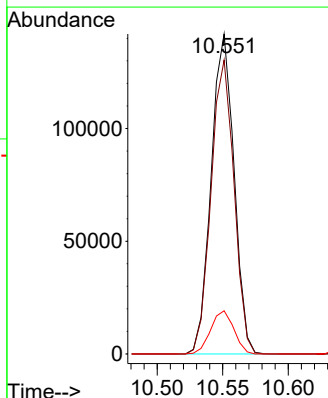
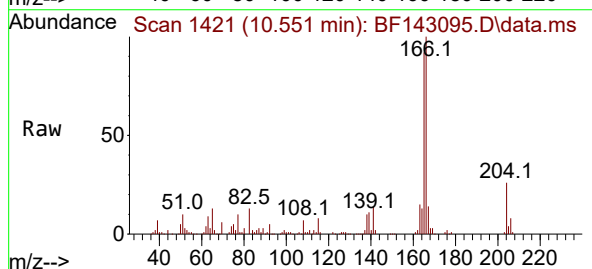
Manual Integrations
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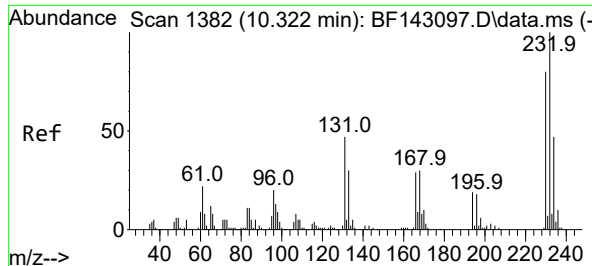
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#58
Fluorene
Concen: 10.771 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

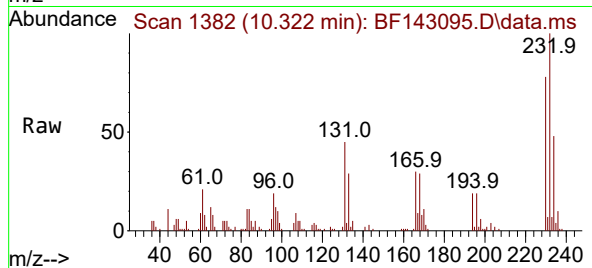
Tgt Ion:166 Resp: 171975
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.084 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

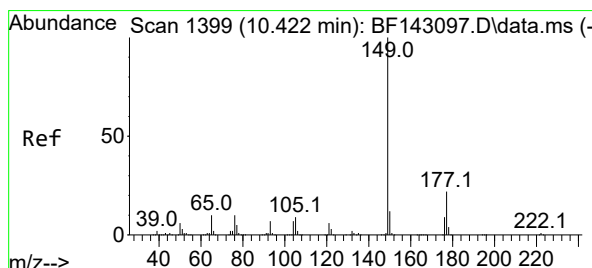
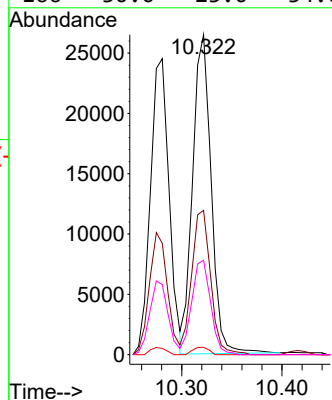
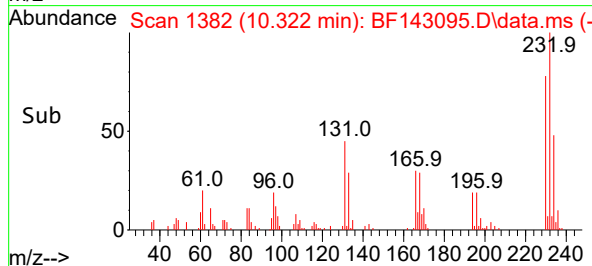
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



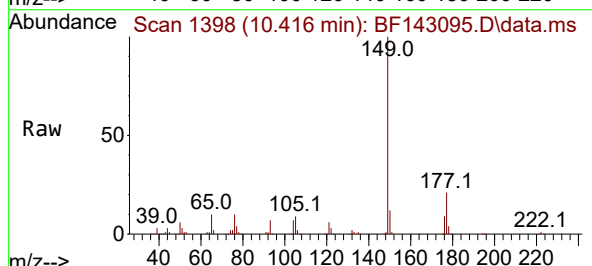
Tgt Ion:232 Resp: 3399
Ion Ratio Lower Upper
232 100
131 46.3 36.9 55.3
130 2.0 1.8 2.8
166 30.0 23.0 34.6

Manual Integrations
APPROVED

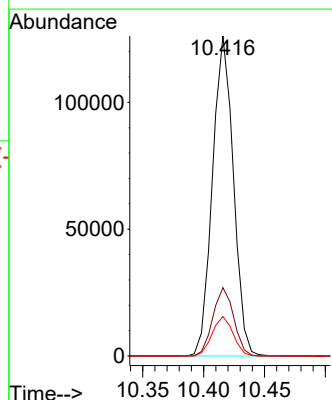
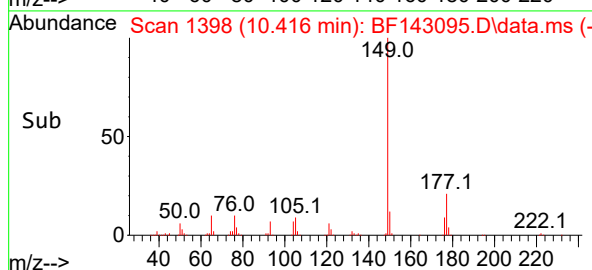
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

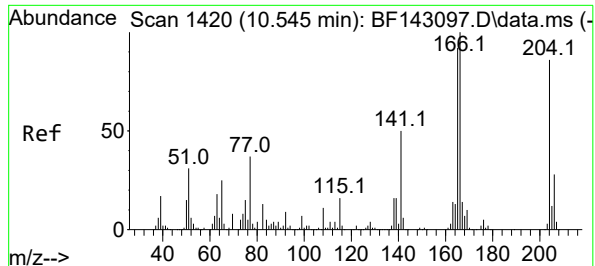


#60
Diethylphthalate
Concen: 10.027 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05



Tgt Ion:149 Resp: 150934
Ion Ratio Lower Upper
149 100
177 21.3 17.3 25.9
150 12.3 9.9 14.9





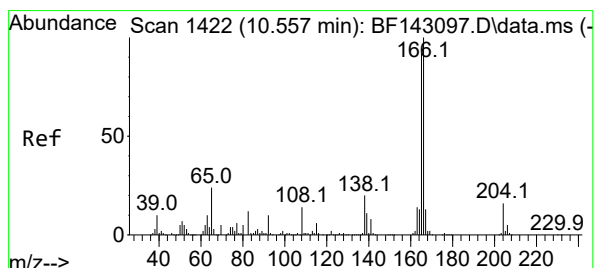
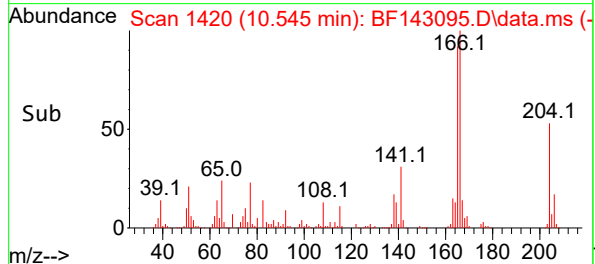
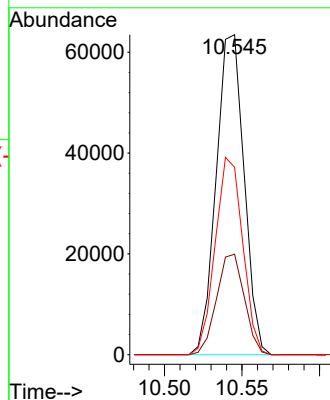
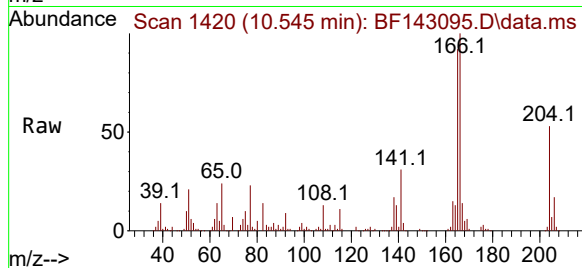
#61
4-Chlorophenyl-phenylether
Concen: 10.400 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 7958
Ion Ratio Lower Upper
204 100
206 31.4 25.8 38.6
141 58.6 46.8 70.2

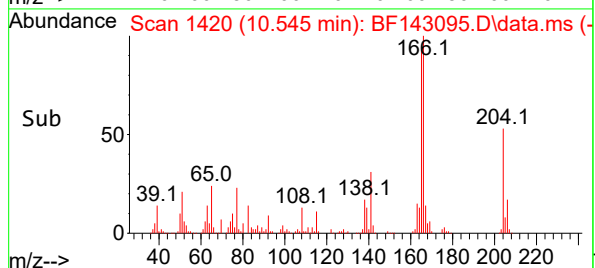
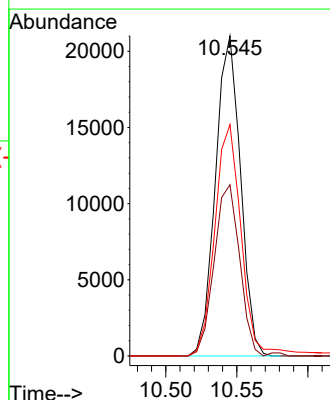
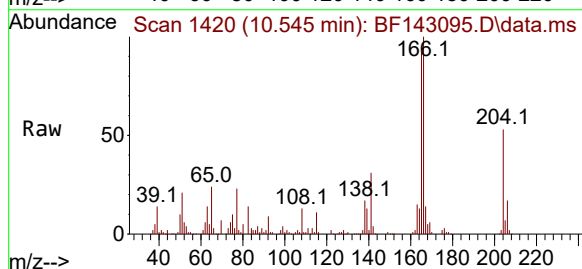
Manual Integrations
APPROVED

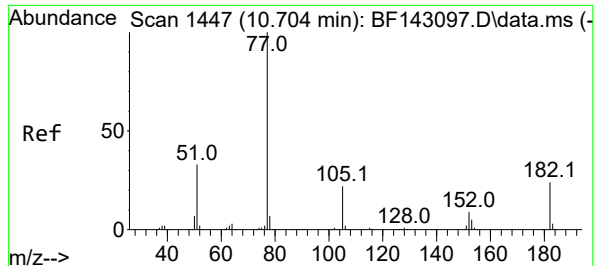
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#62
4-Nitroaniline
Concen: 8.785 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

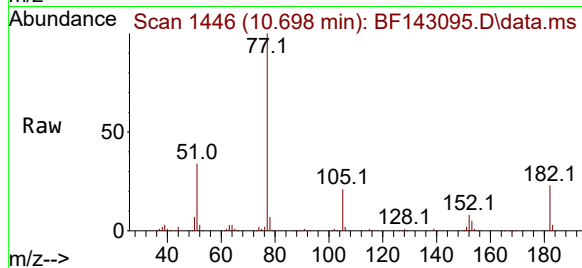
Tgt Ion:138 Resp: 25757
Ion Ratio Lower Upper
138 100
92 53.5 30.4 70.4
108 72.3 49.5 89.5





#63
Azobenzene
Concen: 10.418 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

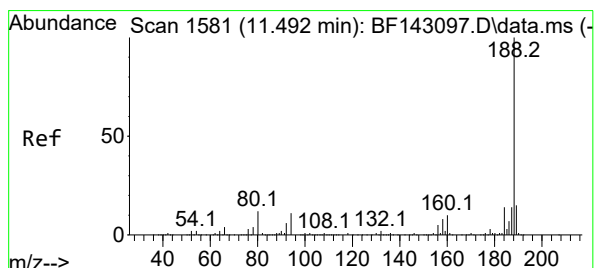
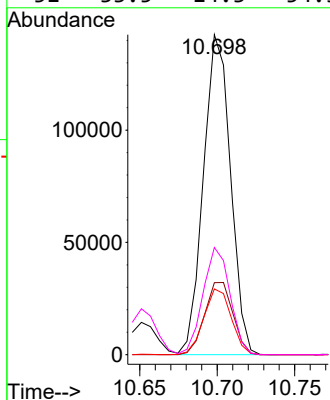
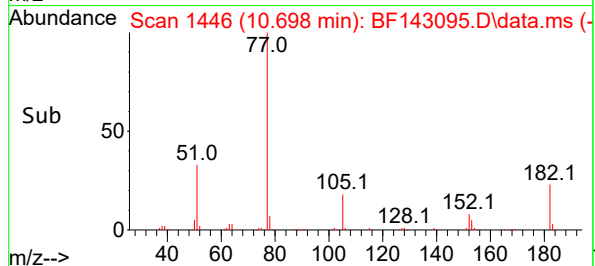
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 77 Resp: 17343
Ion Ratio Lower Upper
77 100
182 22.5 4.0 44.0
105 20.6 1.4 41.4
51 33.5 14.3 54.3

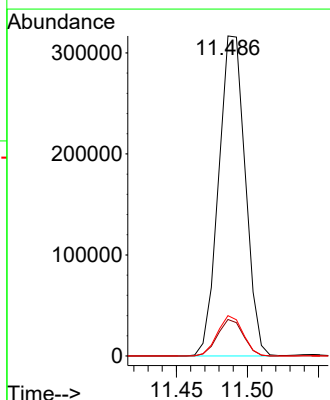
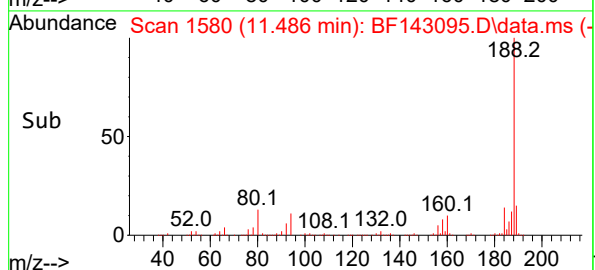
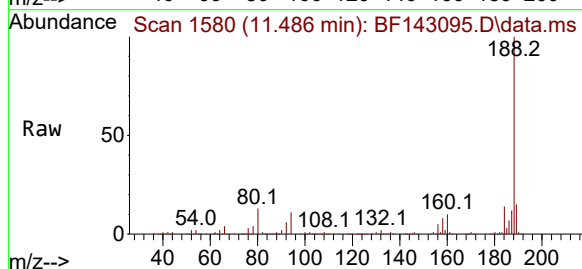
Manual Integrations
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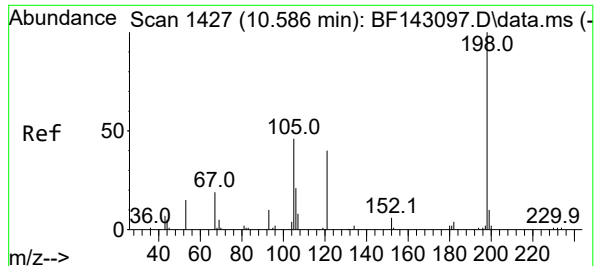
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

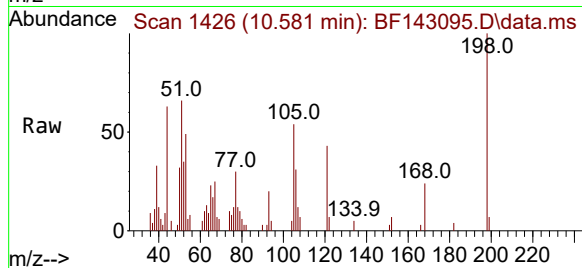
Tgt Ion:188 Resp: 412977
Ion Ratio Lower Upper
188 100
94 11.4 8.6 13.0
80 12.6 9.3 13.9





#65
4,6-Dinitro-2-methylphenol
Concen: 10.290 ng
RT: 10.581 min Scan# 1427
Delta R.T. -0.005 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

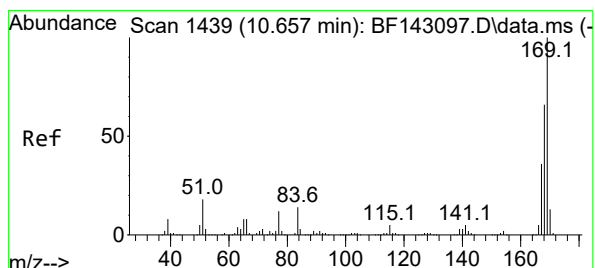
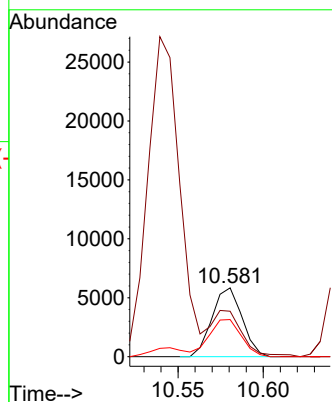
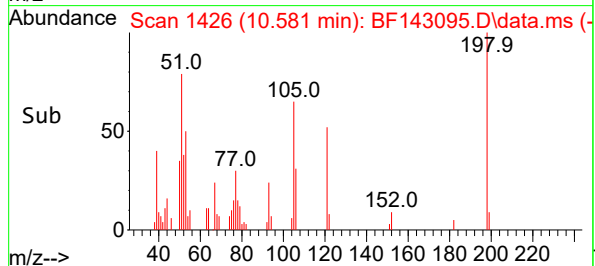
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:198 Resp: 7158
Ion Ratio Lower Upper
198 100
51 66.0 44.6 84.6
105 54.0 29.3 69.3

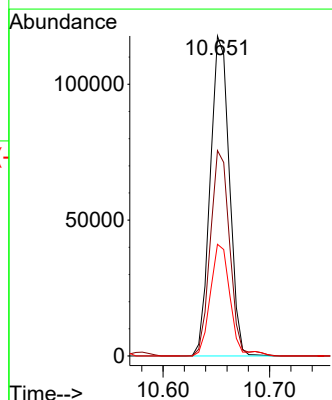
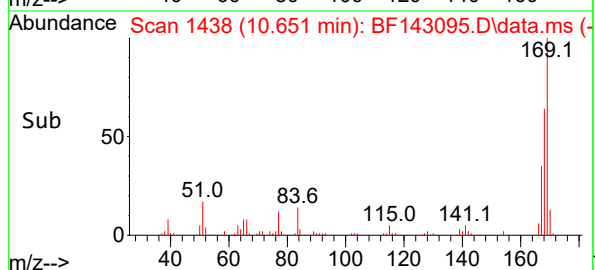
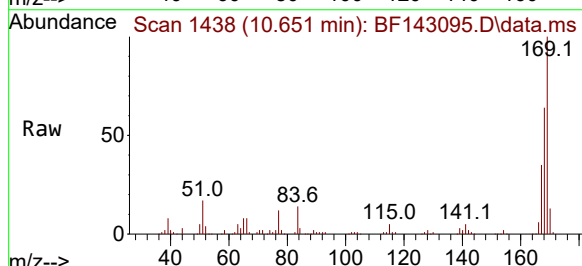
Manual Integrations
APPROVED

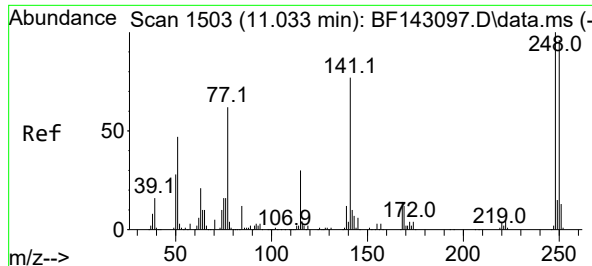
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#66
n-Nitrosodiphenylamine
Concen: 10.094 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

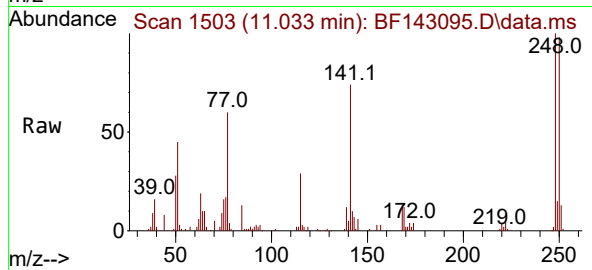
Tgt Ion:169 Resp: 146433
Ion Ratio Lower Upper
169 100
168 64.2 53.0 79.6
167 34.9 28.4 42.6





#67
4-Bromophenyl-phenylether
Concen: 9.641 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

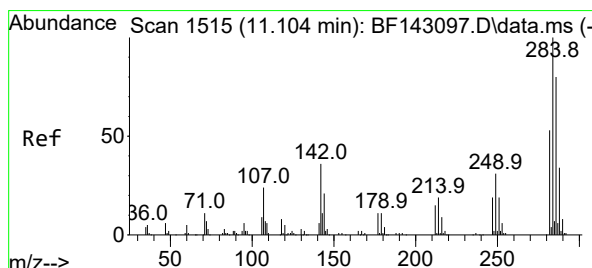
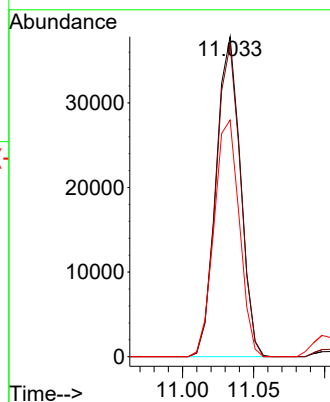
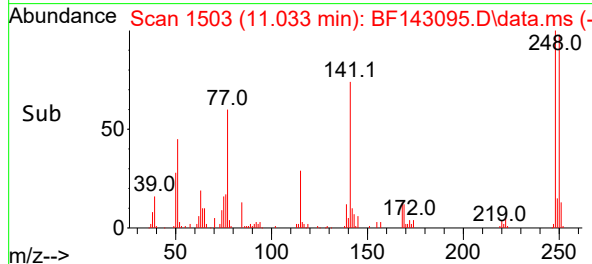
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



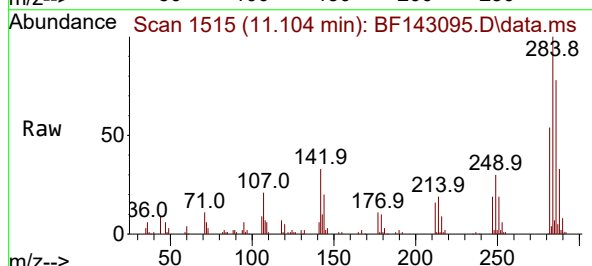
Tgt Ion:248 Resp: 45279
Ion Ratio Lower Upper
248 100
250 97.5 76.7 115.1
141 73.9 61.7 92.5

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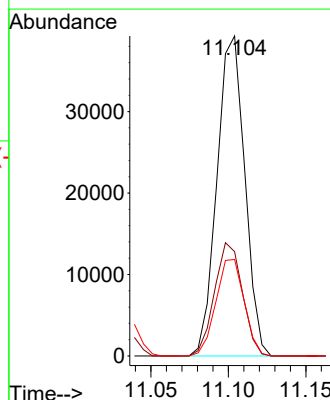
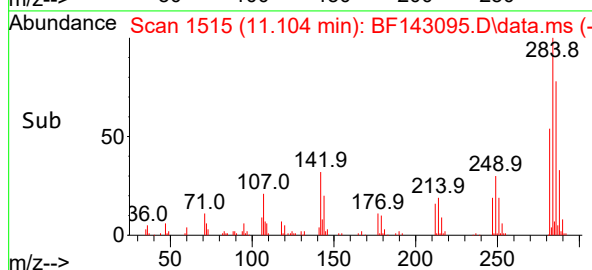
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

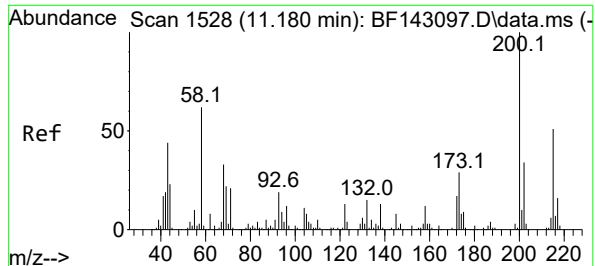


#68
Hexachlorobenzene
Concen: 9.840 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05



Tgt Ion:284 Resp: 49035
Ion Ratio Lower Upper
284 100
142 32.6 28.9 43.3
249 30.1 24.6 37.0





#69

Atrazine

Concen: 9.492 ng

RT: 11.175 min Scan# 1527

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:200 Resp: 35230

Ion Ratio Lower Upper

200 100

173 28.9 9.1 49.1

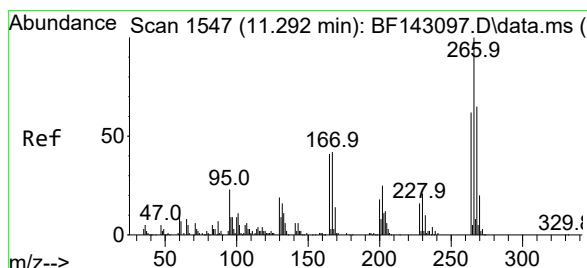
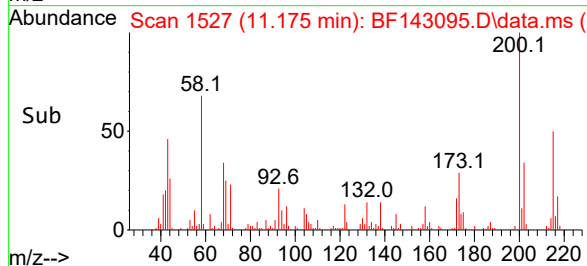
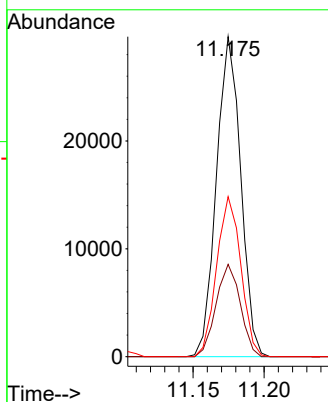
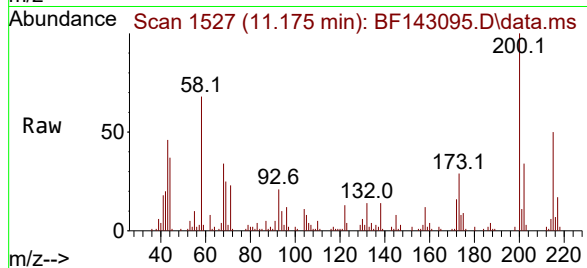
215 50.0 31.0 71.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#70

Pentachlorophenol

Concen: 7.405 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

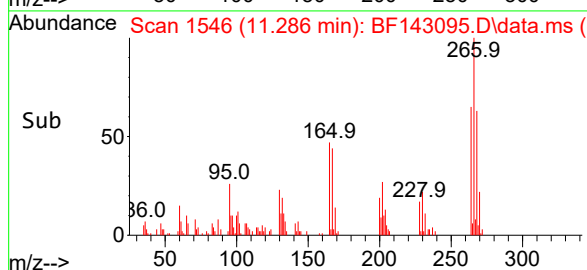
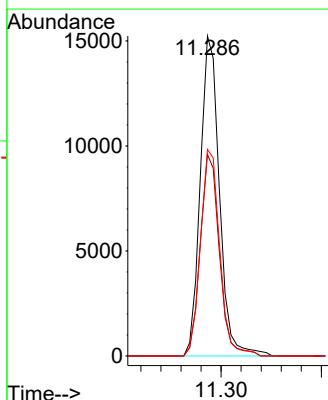
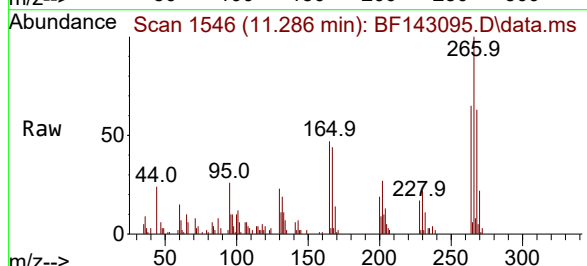
Tgt Ion:266 Resp: 20245

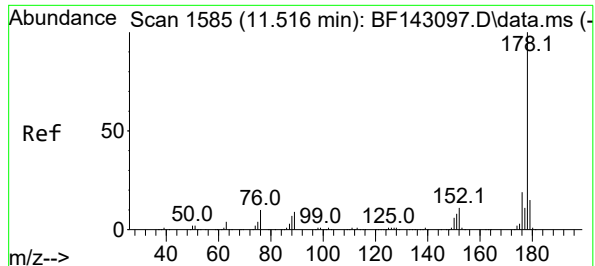
Ion Ratio Lower Upper

266 100

268 63.0 51.8 77.6

264 64.6 49.7 74.5





#71

Phenanthrene

Concen: 10.526 ng

RT: 11.510 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:178 Resp: 23460

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

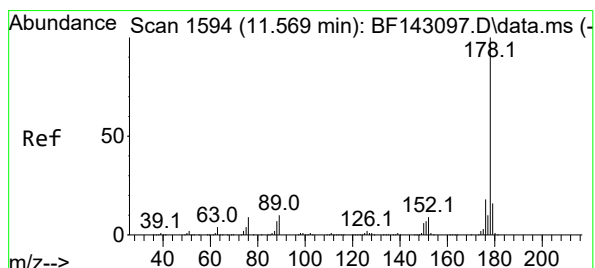
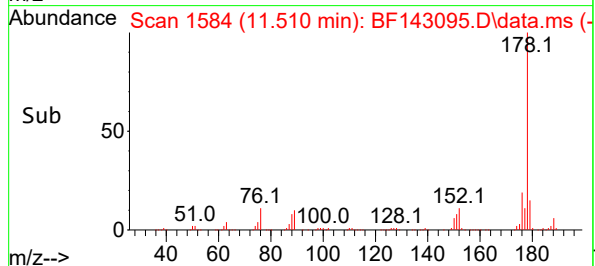
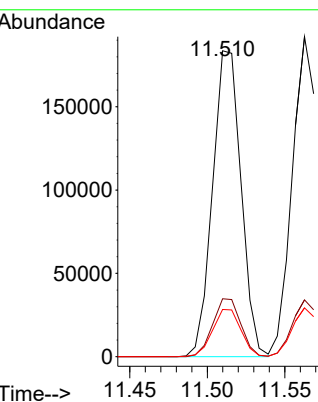
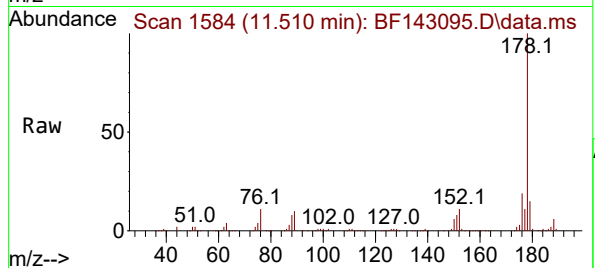
179 15.4 12.2 18.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#72

Anthracene

Concen: 10.372 ng

RT: 11.563 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

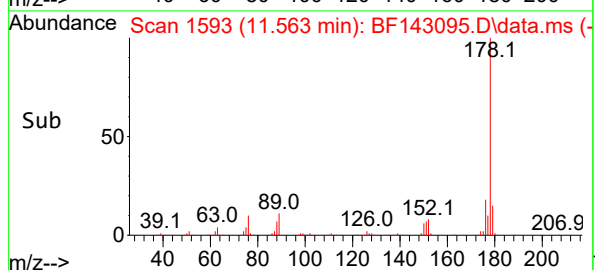
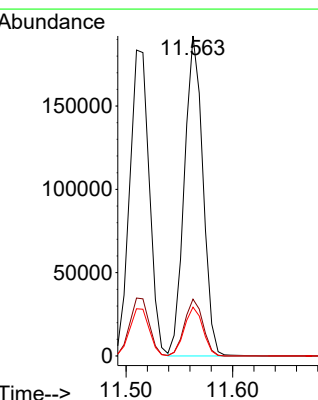
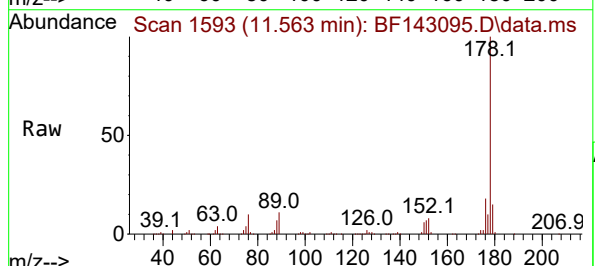
Tgt Ion:178 Resp: 232459

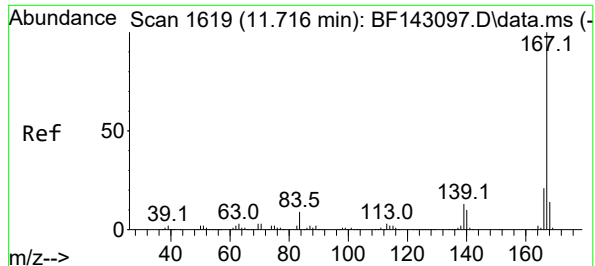
Ion Ratio Lower Upper

178 100

176 17.7 14.7 22.1

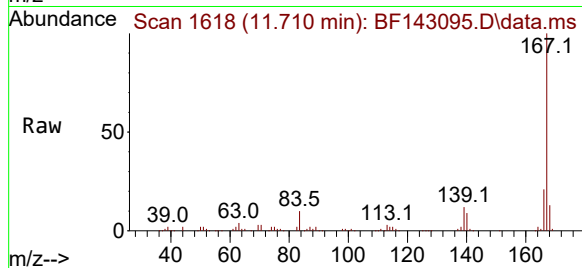
179 15.2 12.4 18.6





#73
Carbazole
Concen: 10.551 ng
RT: 11.710 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

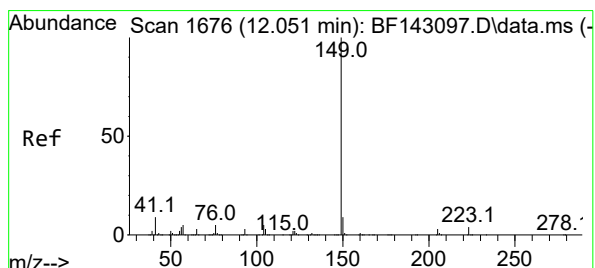
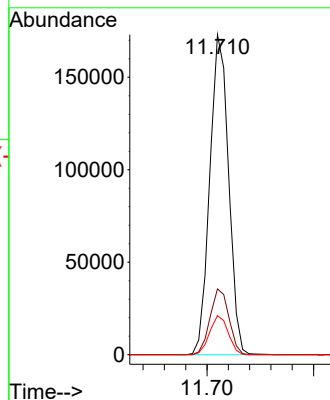
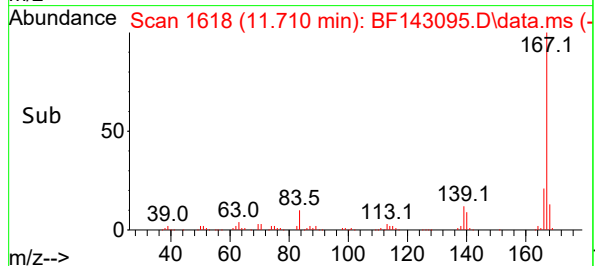
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



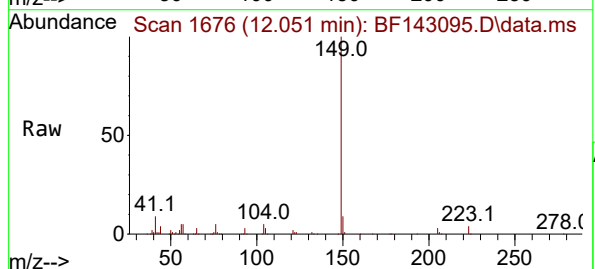
Tgt Ion:167 Resp: 21185
Ion Ratio Lower Upper
167 100
166 20.5 17.0 25.4
139 12.2 10.2 15.4

Manual Integrations
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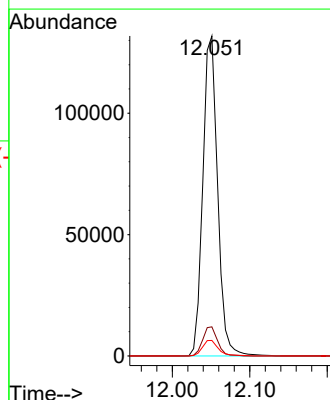
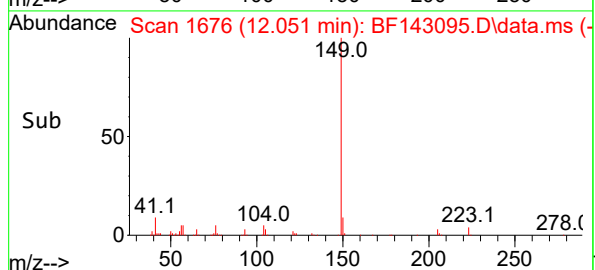
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

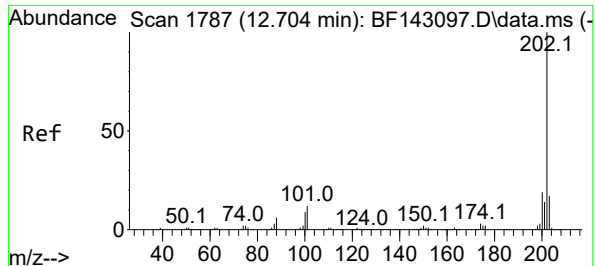


#74
Di-n-butylphthalate
Concen: 9.475 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05



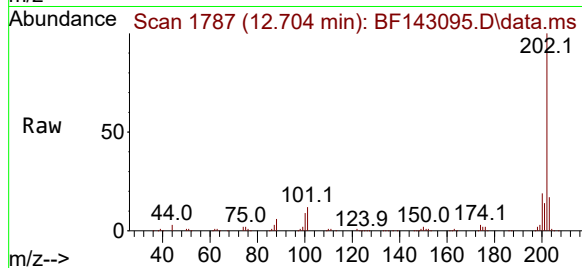
Tgt Ion:149 Resp: 174639
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 4.8 3.8 5.8





#75
Fluoranthene
Concen: 10.725 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

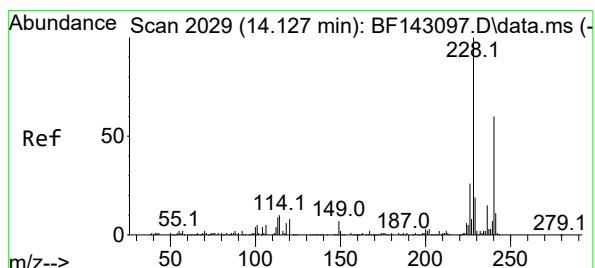
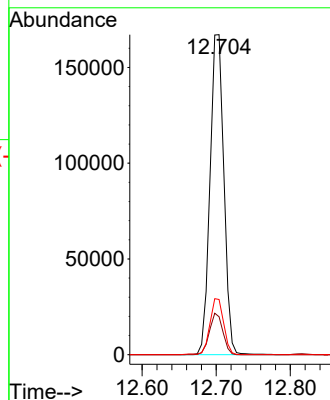
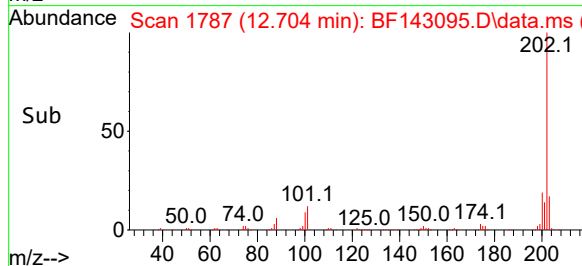
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



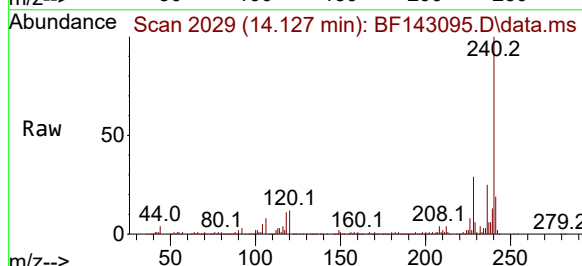
Tgt Ion:202 Resp: 217340
Ion Ratio Lower Upper
202 100
101 11.9 0.0 32.4
203 17.3 0.0 37.4

Manual Integrations
APPROVED

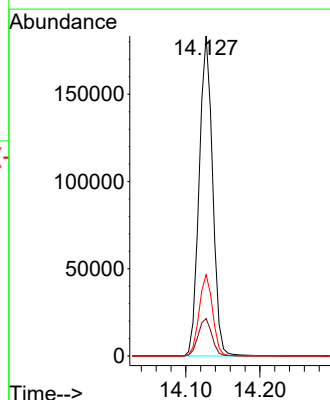
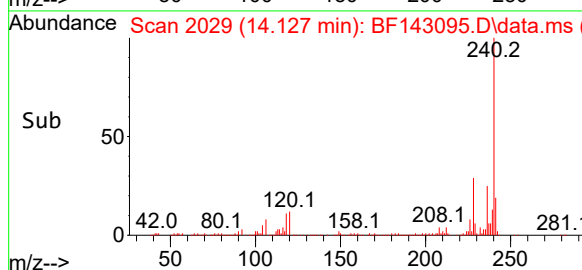
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

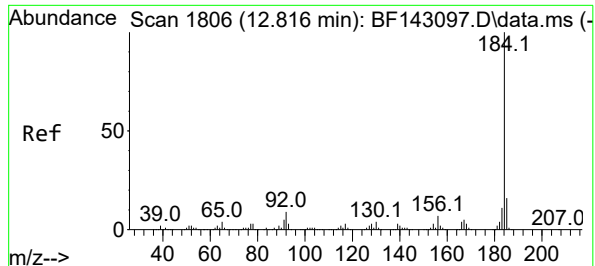


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05



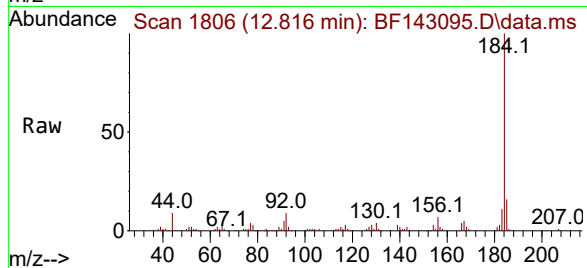
Tgt Ion:240 Resp: 231826
Ion Ratio Lower Upper
240 100
120 11.7 10.0 15.0
236 25.4 20.0 30.0





#77
Benzidine
Concen: 9.747 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

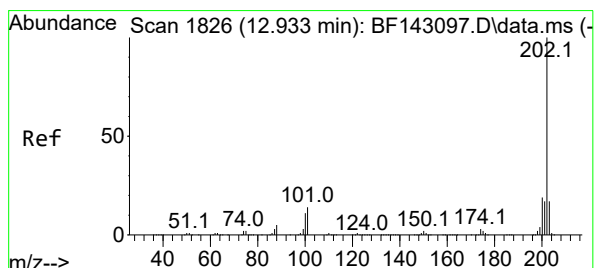
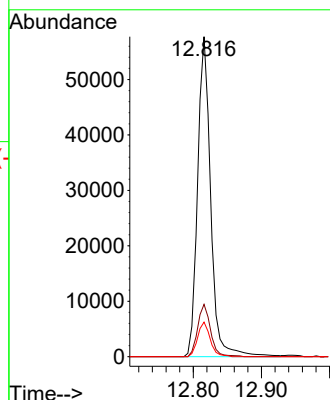
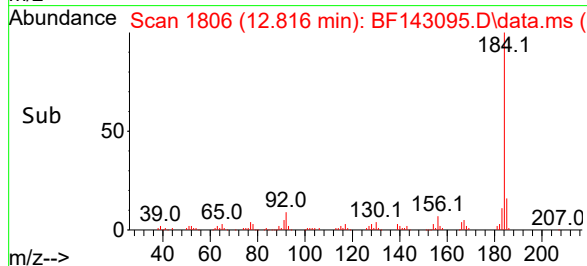
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



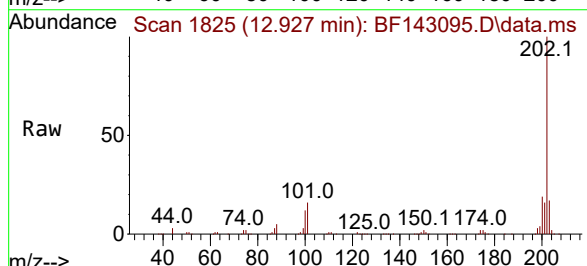
Tgt Ion:184 Resp: 76979
Ion Ratio Lower Upper
184 100
185 16.4 12.4 18.6
183 10.8 8.6 12.8

Manual Integrations
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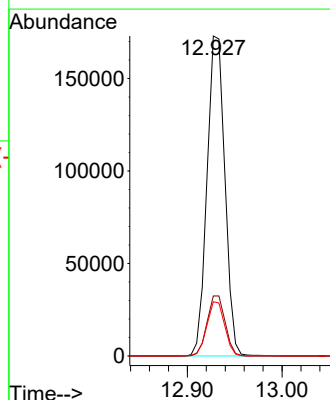
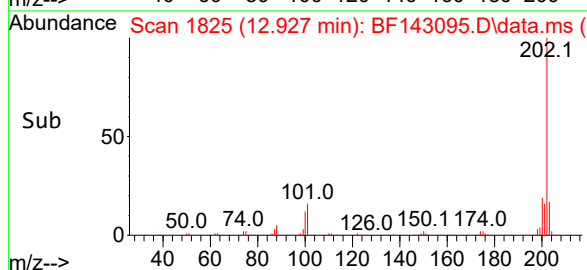
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

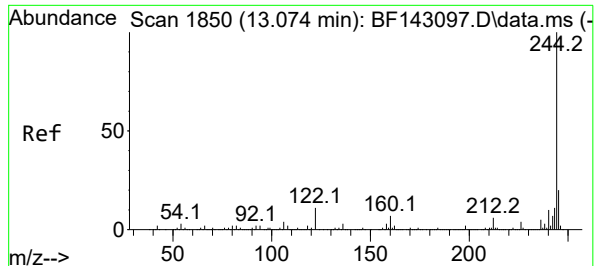


#78
Pyrene
Concen: 10.542 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05



Tgt Ion:202 Resp: 226752
Ion Ratio Lower Upper
202 100
200 18.8 15.5 23.3
203 16.9 14.0 21.0





#79

Terphenyl-d14

Concen: 21.502 ng

RT: 13.069 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:244 Resp: 340992

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

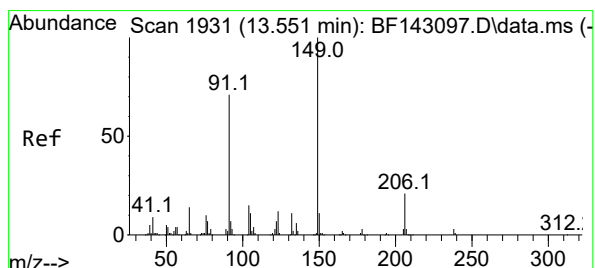
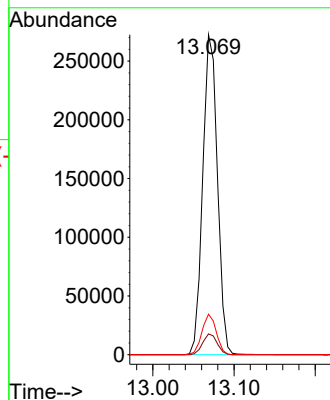
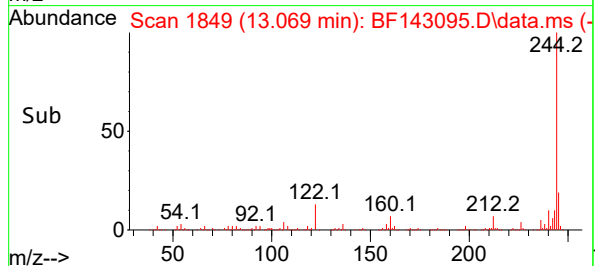
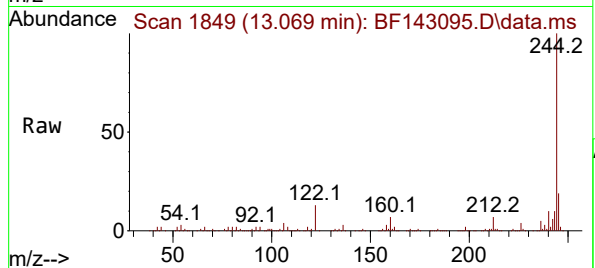
122 12.7 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#80

Butylbenzylphthalate

Concen: 9.210 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

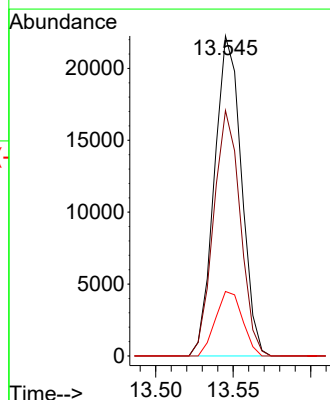
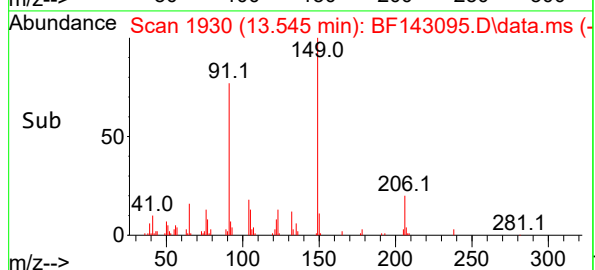
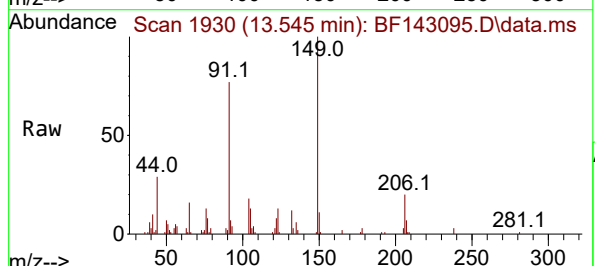
Tgt Ion:149 Resp: 26977

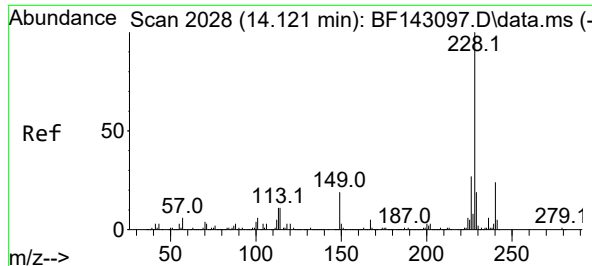
Ion Ratio Lower Upper

149 100

91 76.7 57.0 85.4

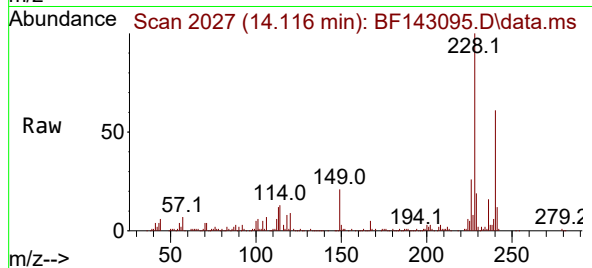
206 20.2 17.2 25.8





#81
Benzo(a)anthracene
Concen: 9.781 ng
RT: 14.116 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

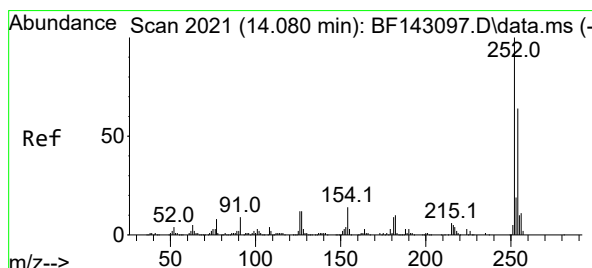
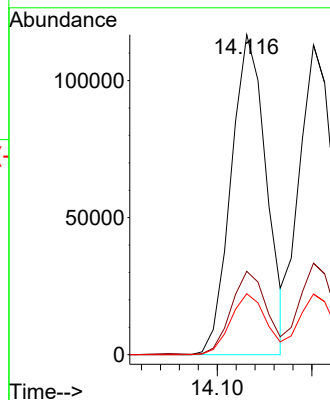
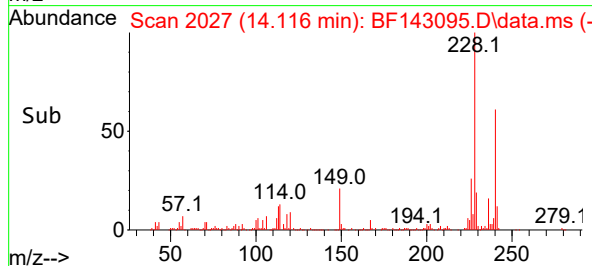
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



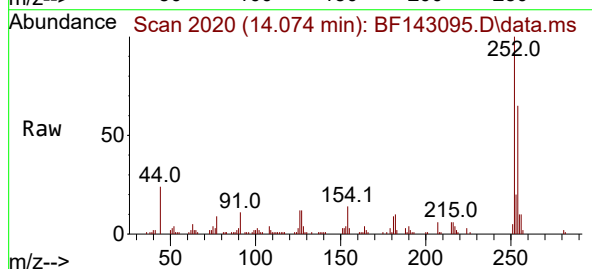
Tgt Ion:228 Resp: 151099
Ion Ratio Lower Upper
228 100
226 26.0 21.3 31.9
229 19.0 15.5 23.3

Manual Integrations
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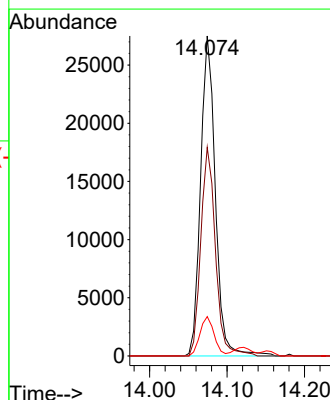
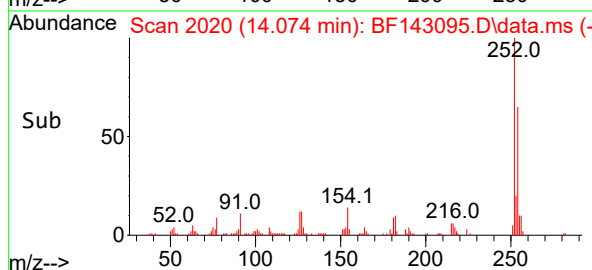
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

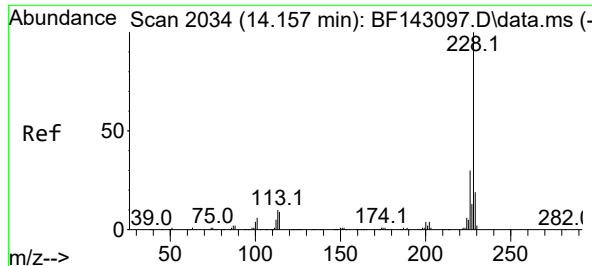


#82
3,3'-Dichlorobenzidine
Concen: 8.122 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05



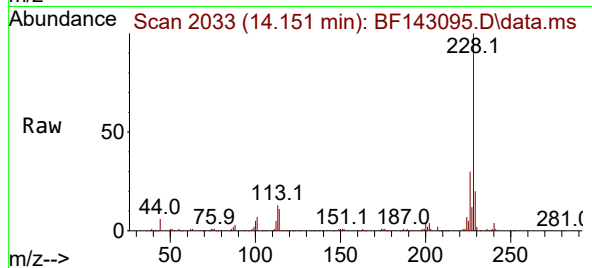
Tgt Ion:252 Resp: 36435
Ion Ratio Lower Upper
252 100
254 65.2 51.5 77.3
126 12.3 9.4 14.0





#83
Chrysene
Concen: 10.050 ng
RT: 14.151 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

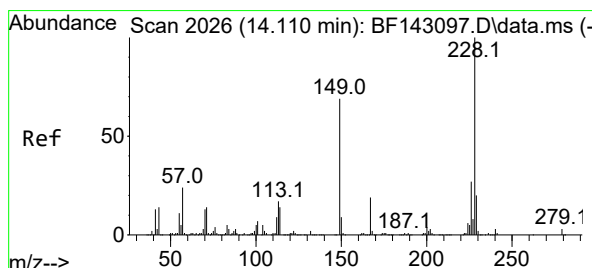
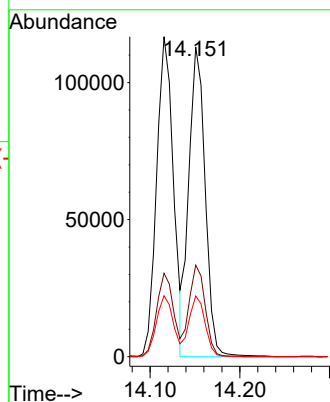
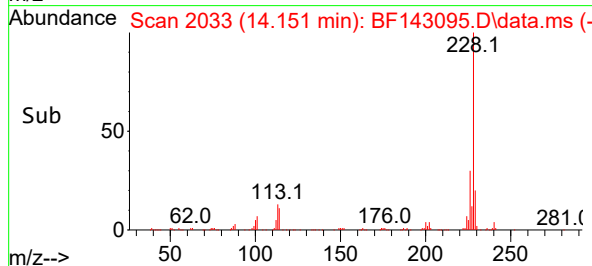
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 142990
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 19.6 15.3 22.9

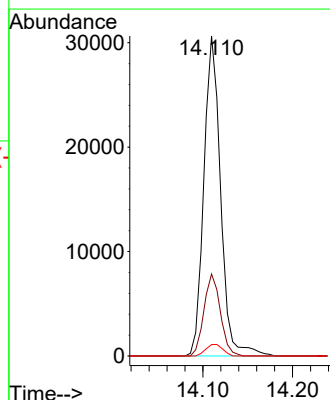
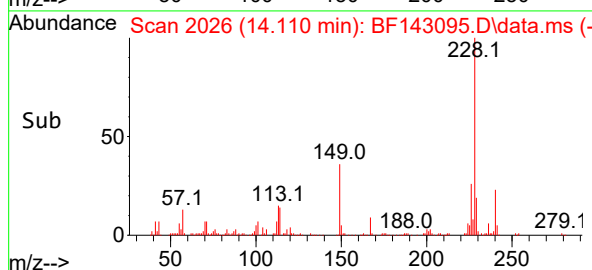
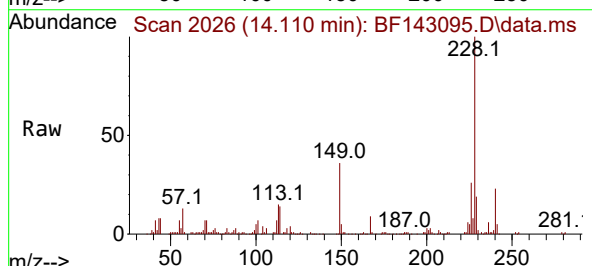
Manual Integrations
APPROVED

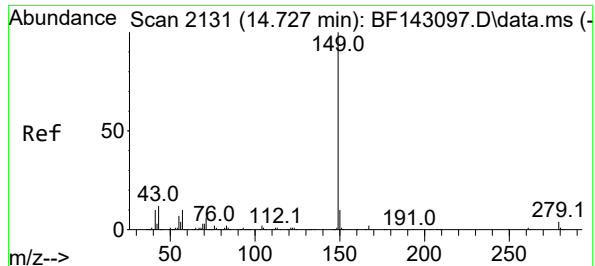
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.073 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

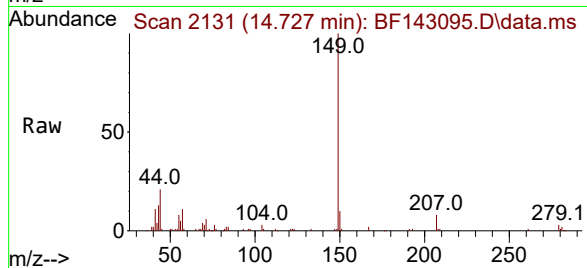
Tgt Ion:149 Resp: 39724
Ion Ratio Lower Upper
149 100
167 25.6 21.9 32.9
279 3.6 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 10.526 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

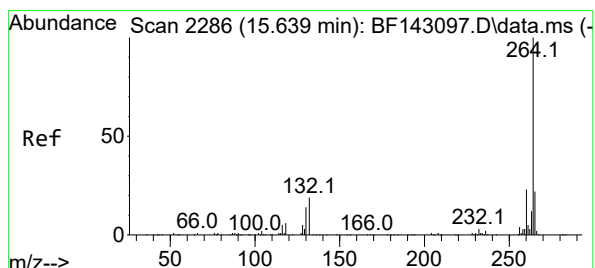
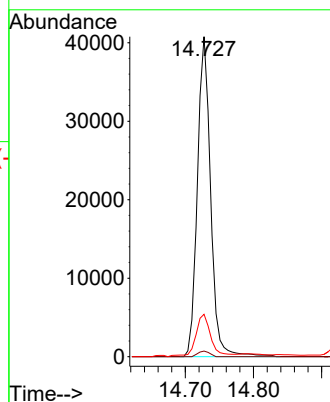
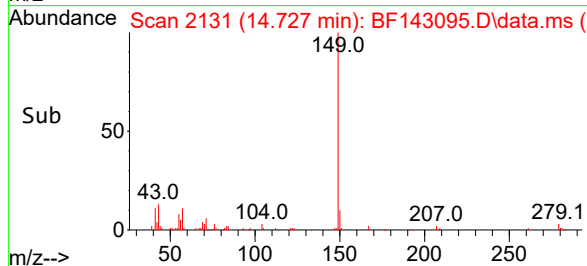
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



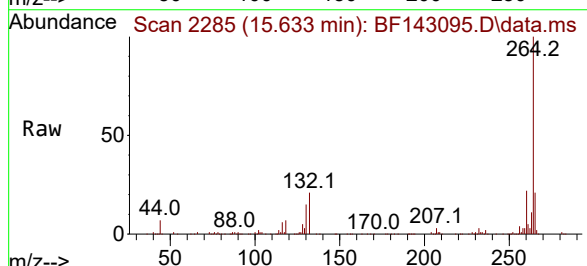
Tgt Ion:149 Resp: 54952
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 15.1 10.6 16.0

Manual Integrations
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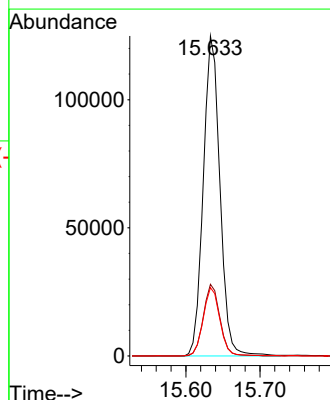
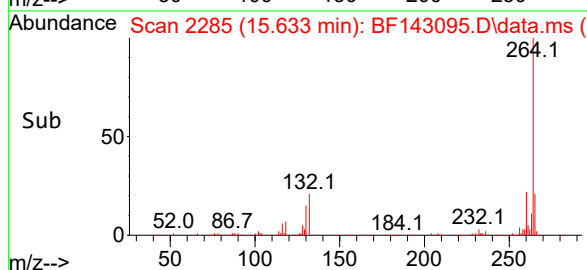
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

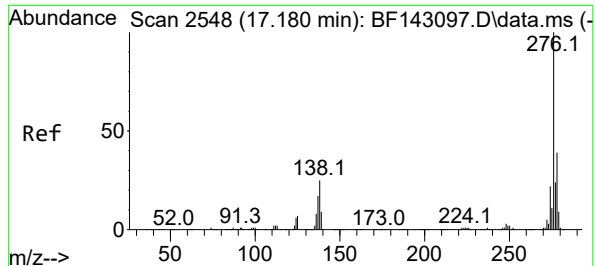


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05



Tgt Ion:264 Resp: 195100
Ion Ratio Lower Upper
264 100
260 22.4 18.5 27.7
265 21.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.484 ng

RT: 17.168 min Scan# 2109

Delta R.T. -0.012 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:276 Resp: 137620

Ion Ratio Lower Upper

276 100

138 28.5 22.6 34.0

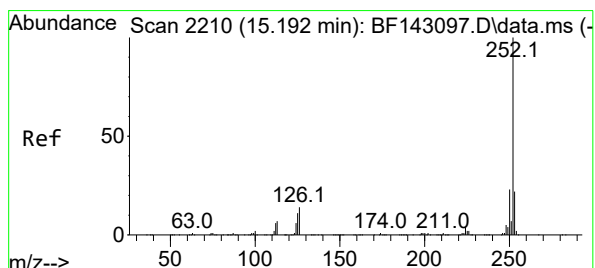
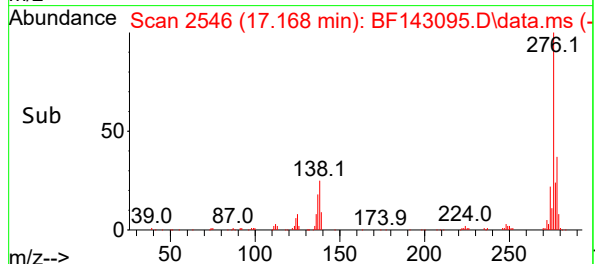
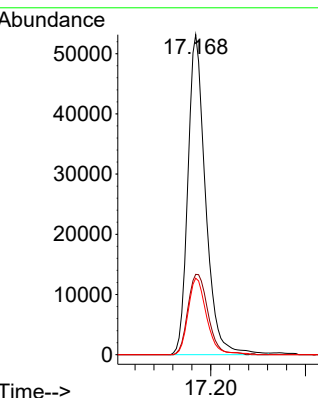
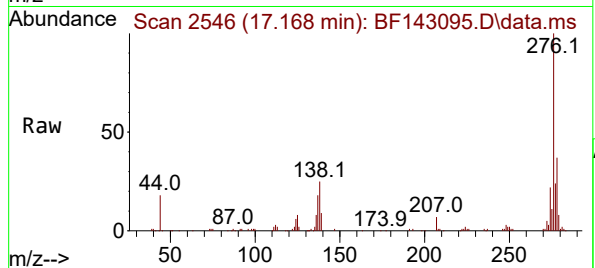
277 25.1 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#88

Benzo(b)fluoranthene

Concen: 10.321 ng

RT: 15.186 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

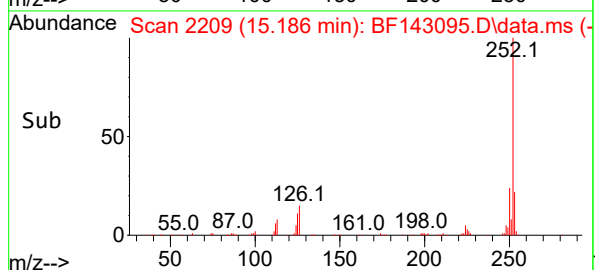
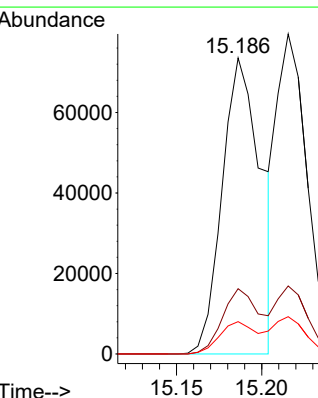
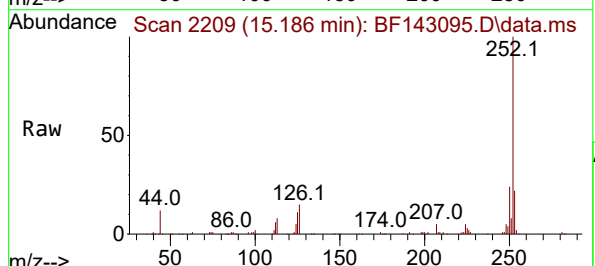
Tgt Ion:252 Resp: 116154

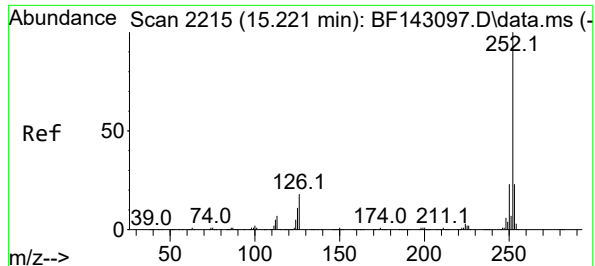
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.9 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 9.686 ng

RT: 15.216 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 103994

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

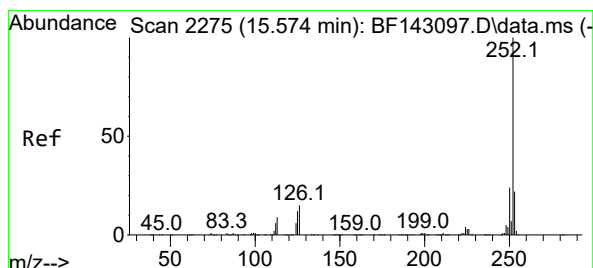
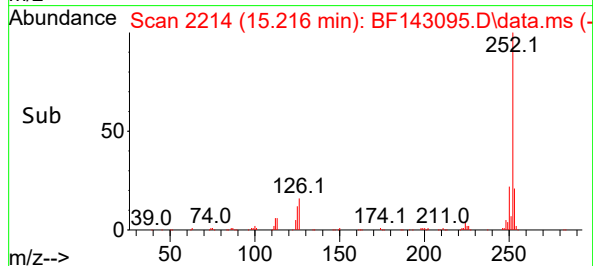
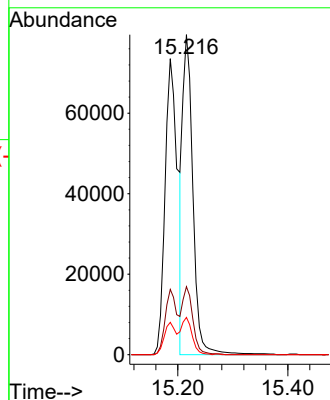
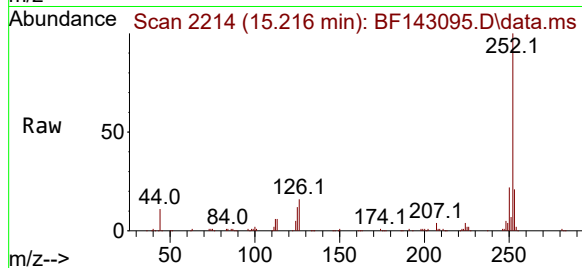
125 11.6 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#90

Benzo(a)pyrene

Concen: 9.336 ng

RT: 15.568 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

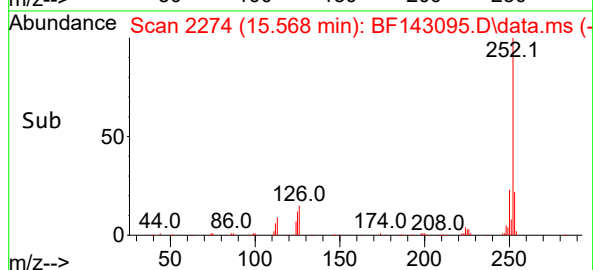
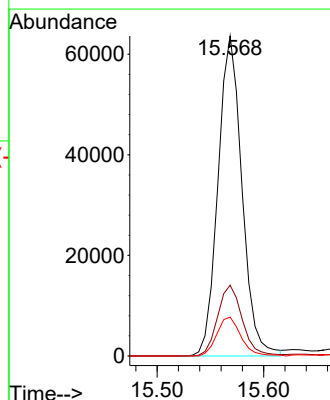
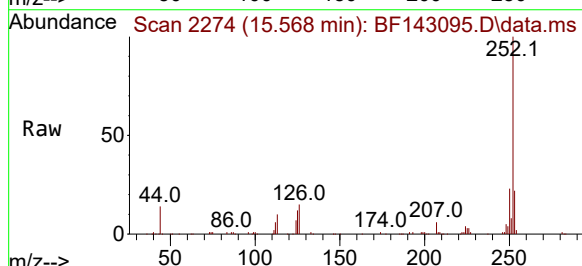
Tgt Ion:252 Resp: 99366

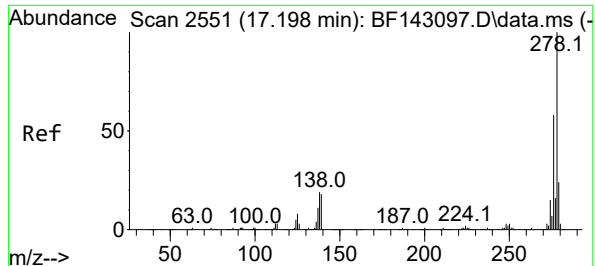
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

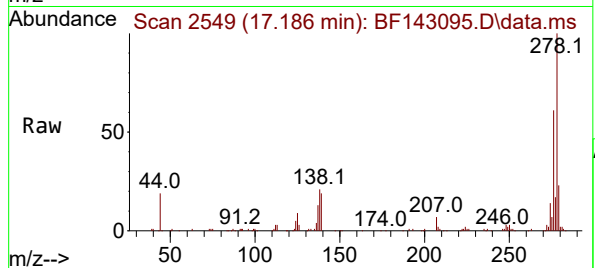
125 12.1 9.4 14.0





#91
Dibenzo(a,h)anthracene
Concen: 9.553 ng
RT: 17.186 min Scan# 2549
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

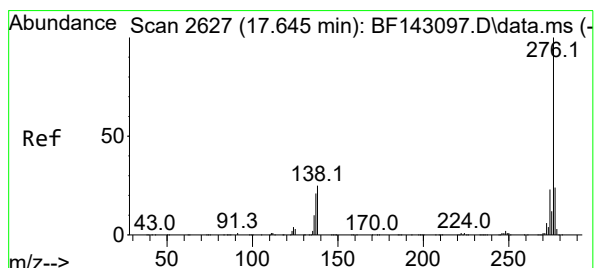
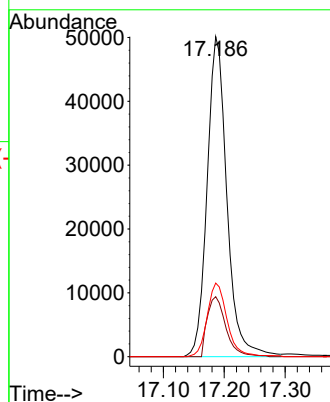
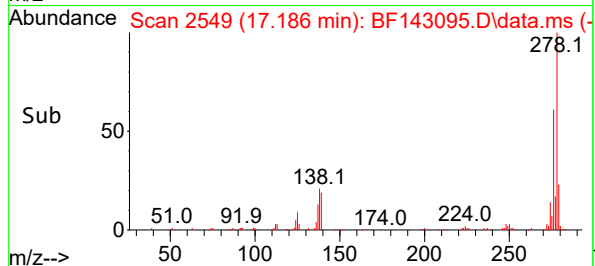
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 278 Resp: 113310
Ion Ratio Lower Upper
278 100
139 18.7 14.6 22.0
279 23.0 18.8 28.2

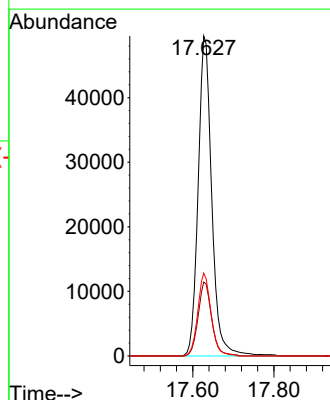
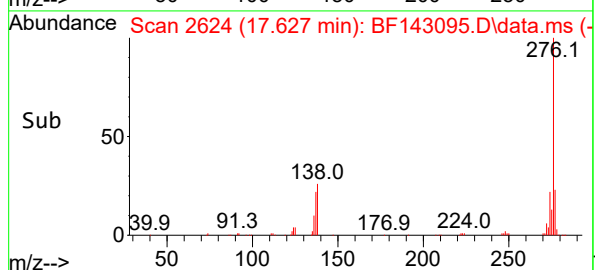
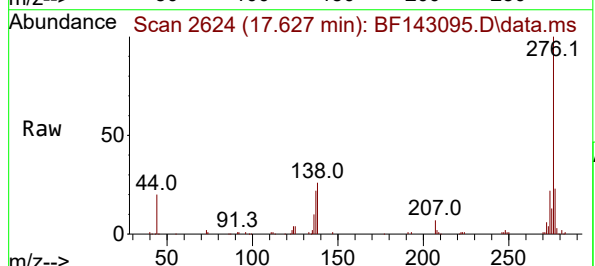
Manual Integrations
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Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 9.577 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 276 Resp: 115816
Ion Ratio Lower Upper
276 100
277 23.1 19.2 28.8
138 25.9 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143096.D
 Acq On : 15 Jul 2025 14:36
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:39:22 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 15 17:08:07 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	153233	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	579905	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	283300	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	451524	20.000	ng	0.00
76) Chrysene-d12	14.127	240	236667	20.000	ng	0.00
86) Perylene-d12	15.633	264	262419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	402974	41.549	ng	0.00
7) Phenol-d6	6.581	99	502651	41.231	ng	0.00
23) Nitrobenzene-d5	7.522	82	420674m	40.693	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	102277	40.489	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	907497	42.581	ng	0.00
79) Terphenyl-d14	13.074	244	680179	42.012	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.810	88	98010	20.301	ng	99
3) Pyridine	3.581	79	247677	20.259	ng	99
4) n-Nitrosodimethylamine	3.516	42	126355	19.948	ng	100
6) Aniline	6.628	93	349337	20.349	ng	100
8) 2-Chlorophenol	6.751	128	202437	20.775	ng	98
9) Benzaldehyde	6.516	77	176058	18.952	ng	99
10) Phenol	6.592	94	273102m	20.693	ng	
11) bis(2-Chloroethyl)ether	6.692	93	209360	20.491	ng	98
12) 1,3-Dichlorobenzene	6.910	146	225218	20.458	ng	99
13) 1,4-Dichlorobenzene	6.987	146	230409	20.804	ng	99
14) 1,2-Dichlorobenzene	7.139	146	219102	20.745	ng	99
15) Benzyl Alcohol	7.098	79	184535	20.428	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.239	45	387425	20.571	ng	100
17) 2-Methylphenol	7.204	107	172219	20.480	ng	99
18) Hexachloroethane	7.486	117	74466	20.654	ng	100
19) n-Nitroso-di-n-propyla...	7.369	70	153555	20.559	ng	98
20) 3+4-Methylphenols	7.357	107	217393	21.080	ng	91
22) Acetophenone	7.369	105	289716	20.725	ng	98
24) Nitrobenzene	7.539	77	206781	20.721	ng	98
25) Isophorone	7.781	82	404382	20.239	ng	100
26) 2-Nitrophenol	7.857	139	61544	18.099	ng	98
27) 2,4-Dimethylphenol	7.886	122	188840	20.363	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	252183	20.814	ng	99
29) 2,4-Dichlorophenol	8.098	162	154978	20.427	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	177770	20.647	ng	99
31) Naphthalene	8.269	128	601316	20.881	ng	100
32) Benzoic acid	7.963	122	64517m	18.587	ng	
33) 4-Chloroaniline	8.310	127	239869	20.714	ng	98
34) Hexachlorobutadiene	8.392	225	106359	20.655	ng	100
35) Caprolactam	8.657	113	45418	19.171	ng	98
36) 4-Chloro-3-methylphenol	8.781	107	171615	20.307	ng	99
37) 2-Methylnaphthalene	8.963	142	356378	20.744	ng	100
38) 1-Methylnaphthalene	9.063	142	365700	20.524	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	170678	20.673	ng	98
41) Hexachlorocyclopentadiene	9.122	237	86596	18.918	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	106780	20.815	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143096.D
 Acq On : 15 Jul 2025 14:36
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:39:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	110466	20.537	ng	99
46) 1,1'-Biphenyl	9.422	154	473419	20.955	ng	100
47) 2-Chloronaphthalene	9.451	162	341636	20.584	ng	100
48) 2-Nitroaniline	9.533	65	83805	18.969	ng	99
49) Acenaphthylene	9.863	152	576265	20.837	ng	100
50) Dimethylphthalate	9.716	163	366019	20.536	ng	100
51) 2,6-Dinitrotoluene	9.775	165	62776	19.583	ng	96
52) Acenaphthene	10.039	154	332427	20.369	ng	100
53) 3-Nitroaniline	9.939	138	80094	20.797	ng	100
54) 2,4-Dinitrophenol	10.045	184	15826	19.749	ng	71
55) Dibenzofuran	10.210	168	505784	20.792	ng	100
56) 4-Nitrophenol	10.086	139	57072	18.647	ng	98
57) 2,4-Dinitrotoluene	10.175	165	71762	18.561	ng	95
58) Fluorene	10.551	166	376169	20.626	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	85620	20.030	ng	98
60) Diethylphthalate	10.422	149	356111	20.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	178641	20.436	ng	98
62) 4-Nitroaniline	10.551	138	67264	20.084	ng	98
63) Azobenzene	10.704	77	389419	20.478	ng	100
65) 4,6-Dinitro-2-methylph...	10.580	198	23973	19.643	ng	94
66) n-Nitrosodiphenylamine	10.657	169	332248	20.948	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	105446	20.535	ng	98
68) Hexachlorobenzene	11.104	284	111727	20.507	ng	98
69) Atrazine	11.180	200	83181	20.499	ng	99
70) Pentachlorophenol	11.292	266	56380	18.862	ng	98
71) Phenanthrene	11.516	178	501521	20.581	ng	99
72) Anthracene	11.569	178	508525	20.752	ng	100
73) Carbazole	11.716	167	455047	20.728	ng	99
74) Di-n-butylphthalate	12.051	149	412206	20.456	ng	99
75) Fluoranthene	12.704	202	455455	20.556	ng	100
77) Benzidine	12.816	184	186115	23.083	ng	99
78) Pyrene	12.933	202	462715	21.072	ng	99
80) Butylbenzylphthalate	13.545	149	73439	18.875	ng	96
81) Benzo(a)anthracene	14.115	228	332795	21.102	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	96174	21.000	ng	99
83) Chrysene	14.157	228	286610	19.732	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	113349	19.236	ng	98
85) Di-n-octyl phthalate	14.727	149	192002	19.817	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	400422	20.516	ng	99
88) Benzo(b)fluoranthene	15.186	252	307312	20.302	ng	99
89) Benzo(k)fluoranthene	15.215	252	291618	20.194	ng	99
90) Benzo(a)pyrene	15.568	252	290809	20.313	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	332152	20.818	ng	99
92) Benzo(g,h,i)perylene	17.639	276	331447	20.376	ng	99

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

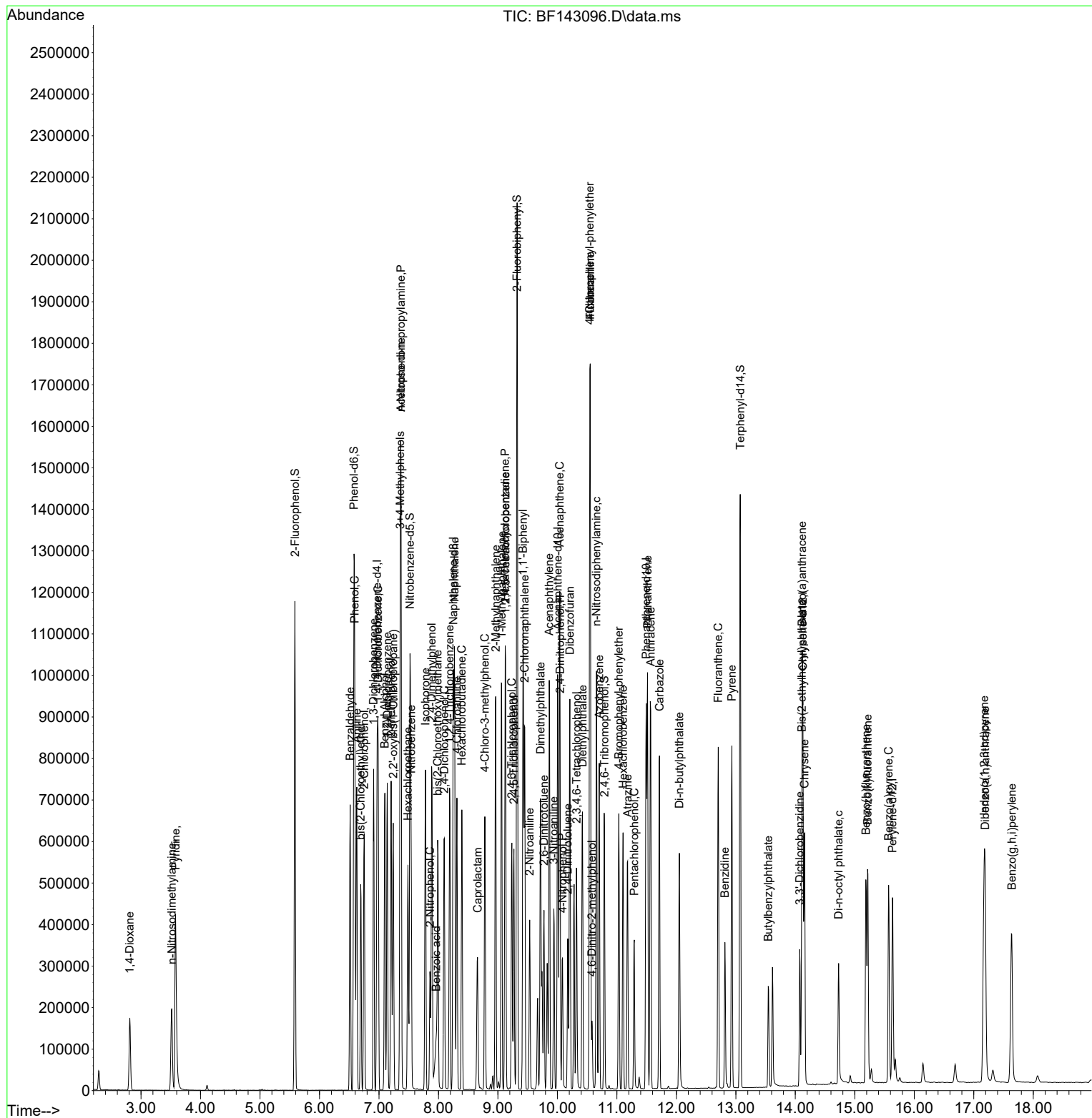
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 Data File : BF143096.D
 Acq On : 15 Jul 2025 14:36
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

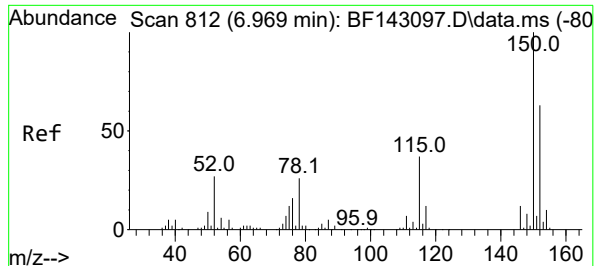
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

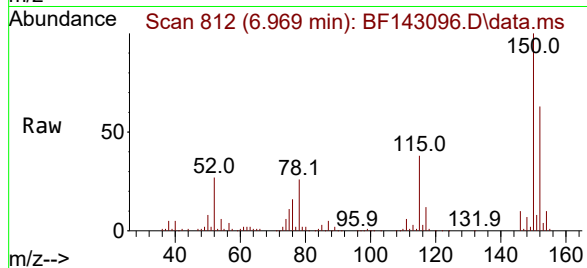
Quant Time: Jul 15 17:39:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

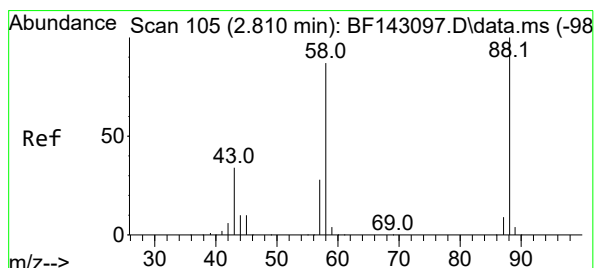
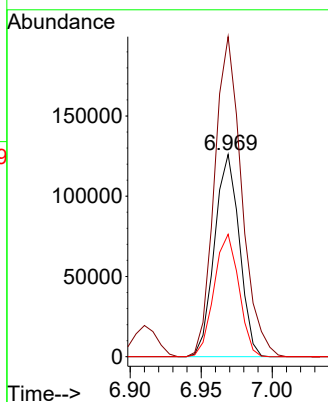
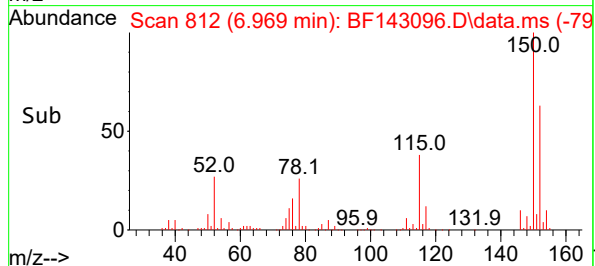
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 15323
Ion Ratio Lower Upper
152 100
150 158.3 126.5 189.7
115 60.6 47.0 70.6

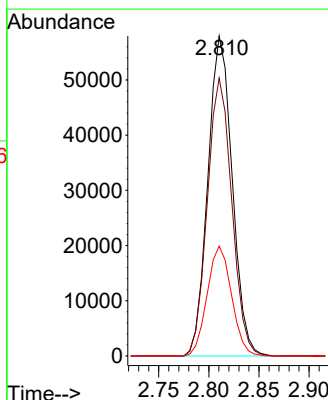
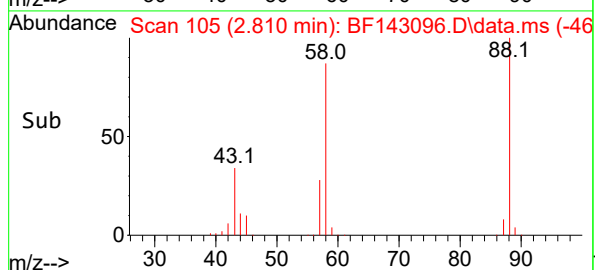
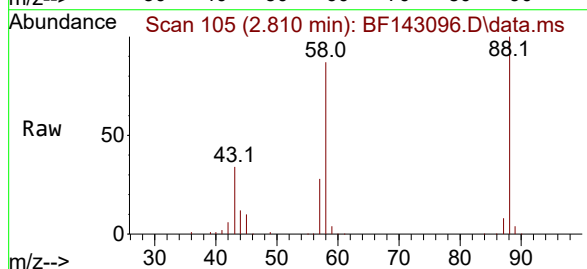
Manual Integrations
APPROVED

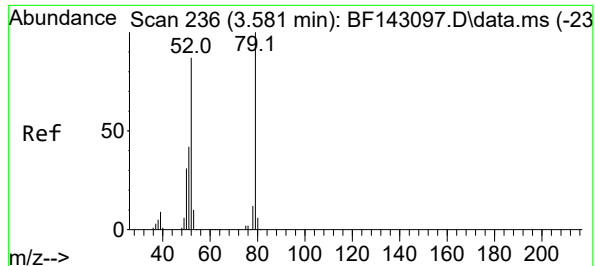
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#2
1,4-Dioxane
Concen: 20.301 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 88 Resp: 98010
Ion Ratio Lower Upper
88 100
58 87.1 70.5 105.7
43 34.3 27.3 40.9





#3

Pyridine

Concen: 20.259 ng

RT: 3.581 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143096.D

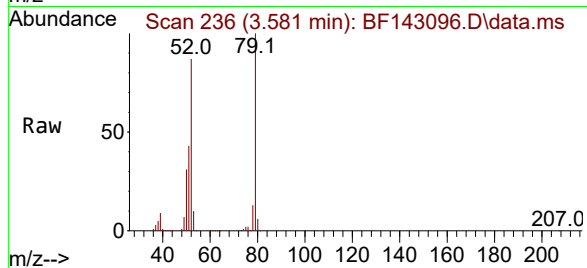
Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion: 79 Resp: 24767

Ion Ratio Lower Upper

79

100

52

51

87.3 69.2 103.8

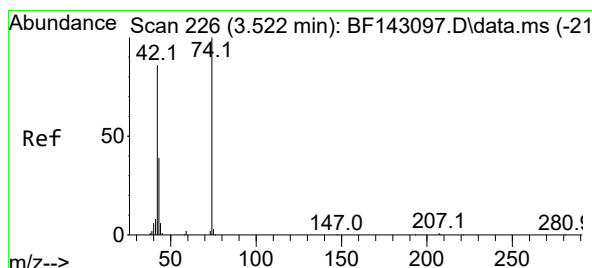
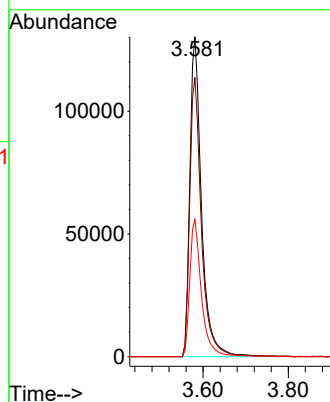
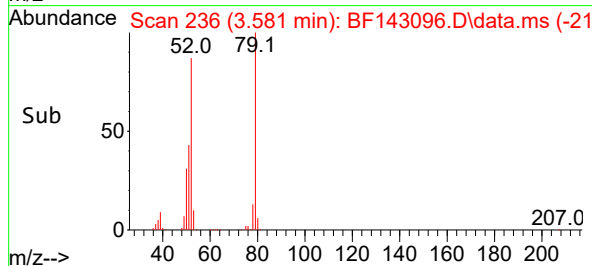
42.8 33.3 49.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#4

n-Nitrosodimethylamine

Concen: 19.948 ng

RT: 3.516 min Scan# 225

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Tgt Ion: 42 Resp: 126355

Ion Ratio Lower Upper

42

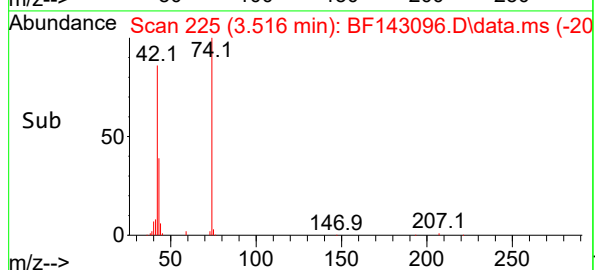
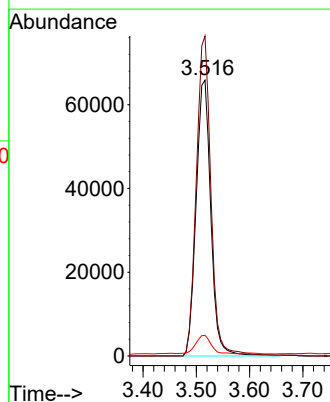
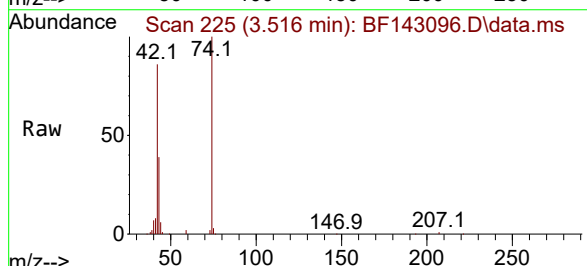
100

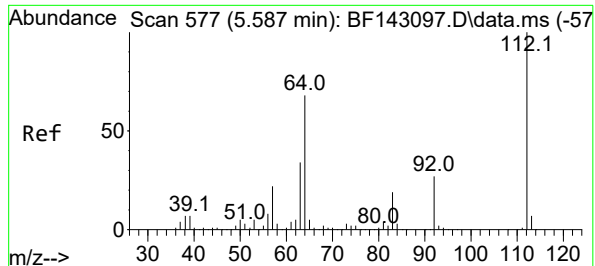
74

44

116.0 92.8 139.2

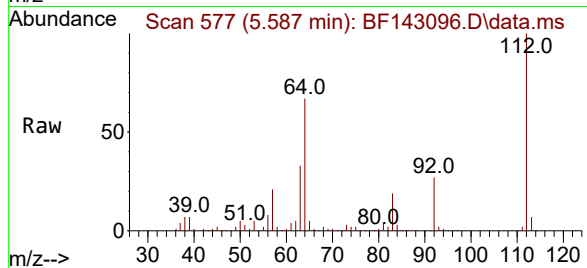
7.5 5.8 8.6





#5
2-Fluorophenol
Concen: 41.549 ng
RT: 5.587 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

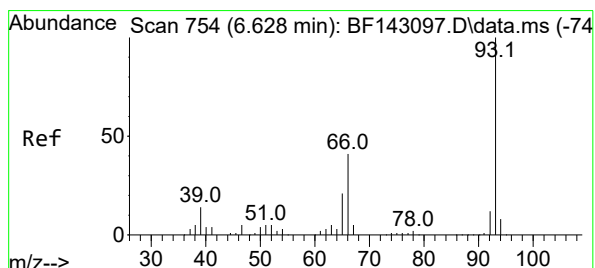
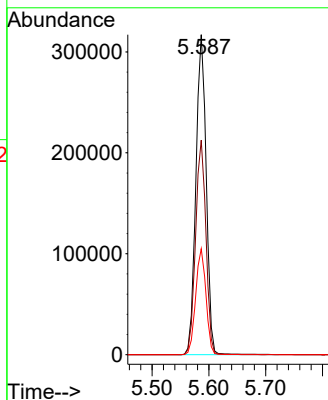
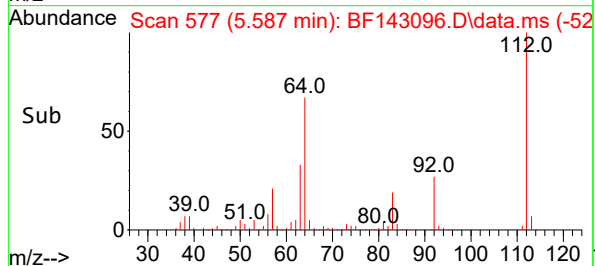
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:112 Resp: 402974
Ion Ratio Lower Upper
112 100
64 67.1 54.6 82.0
63 33.1 27.3 40.9

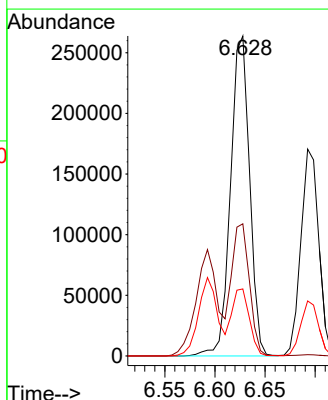
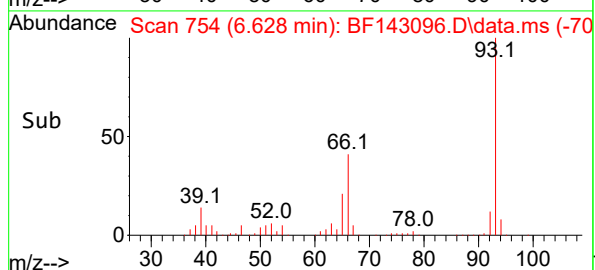
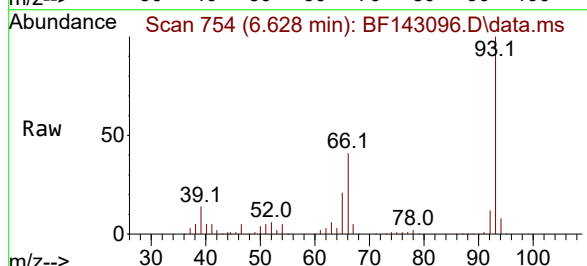
Manual Integrations
APPROVED

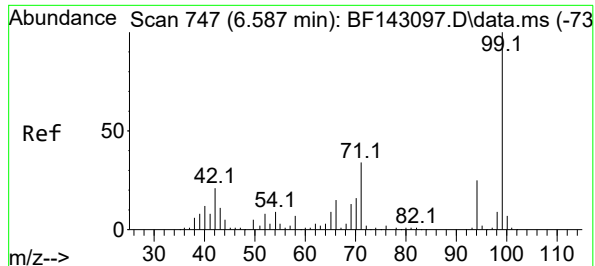
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#6
Aniline
Concen: 20.349 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 93 Resp: 349337
Ion Ratio Lower Upper
93 100
66 41.3 33.1 49.7
65 20.9 16.9 25.3





#7

Phenol-d6

Concen: 41.231 ng

RT: 6.581 min Scan# 747

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 99 Resp: 50265

Ion Ratio Lower Upper

99 100

42 21.8 17.2 25.8

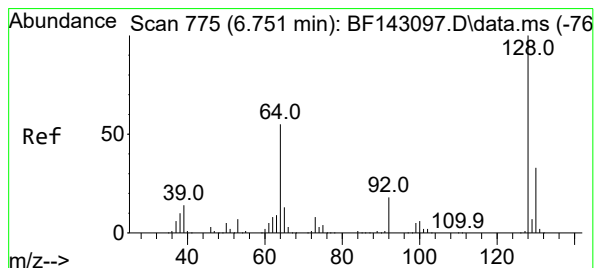
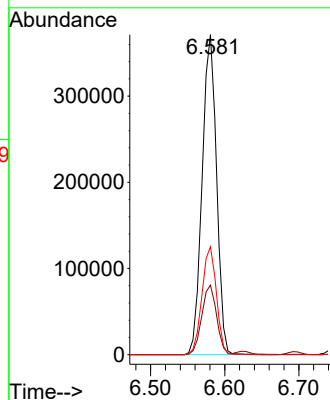
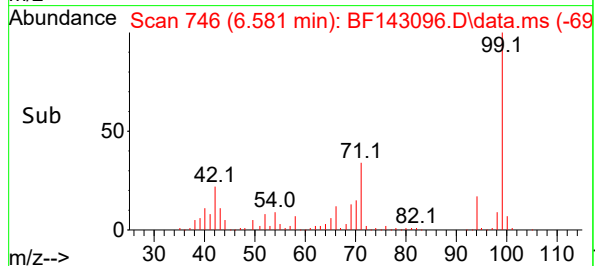
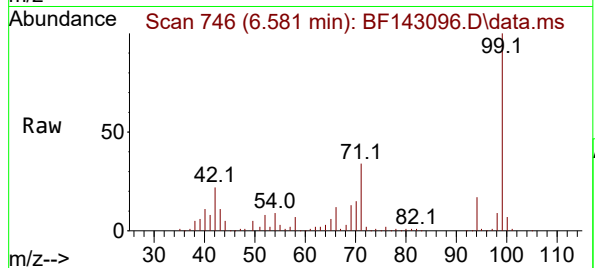
71 33.8 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#8

2-Chlorophenol

Concen: 20.775 ng

RT: 6.751 min Scan# 775

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

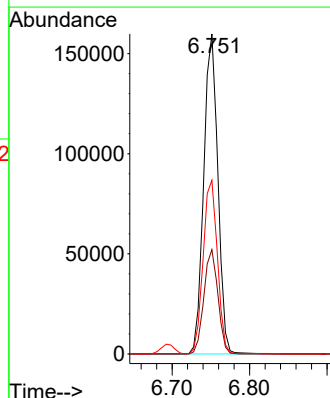
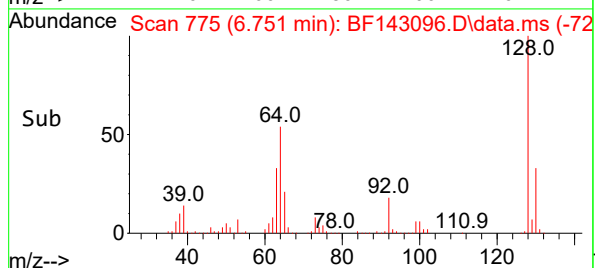
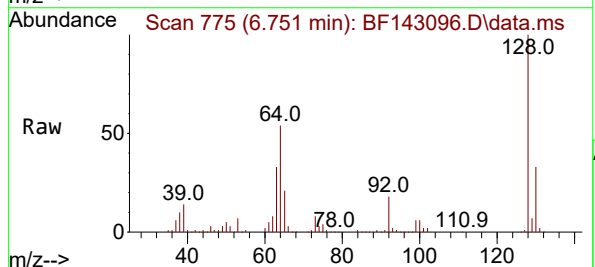
Tgt Ion:128 Resp: 202437

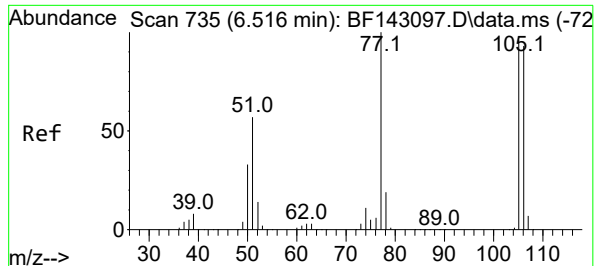
Ion Ratio Lower Upper

128 100

130 32.6 12.8 52.8

64 54.3 36.1 76.1





#9

Benzaldehyde

Concen: 18.952 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 77 Resp: 17605

Ion Ratio Lower Upper

77 100

105 95.6 76.3 116.3

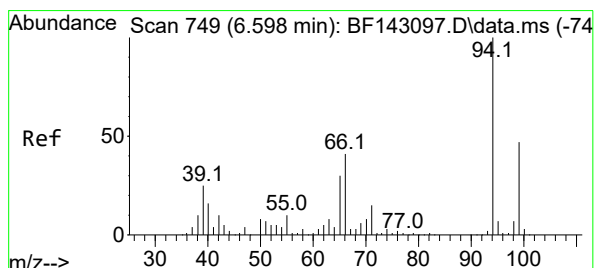
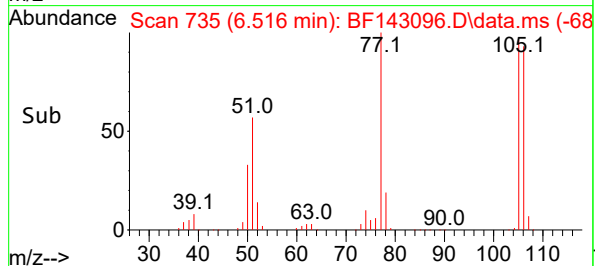
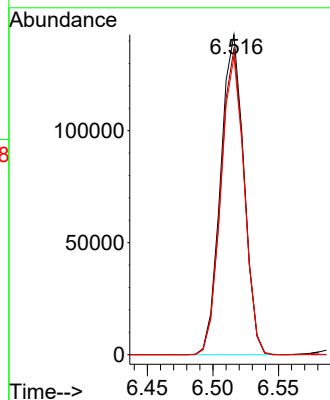
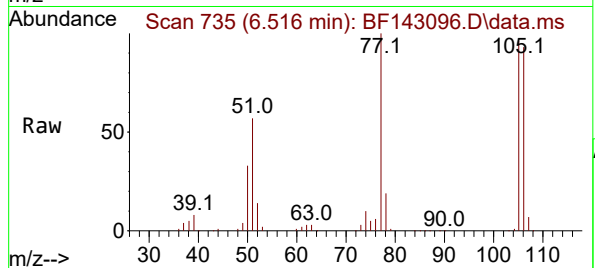
106 93.1 72.8 112.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#10

Phenol

Concen: 20.693 ng m

RT: 6.592 min Scan# 748

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

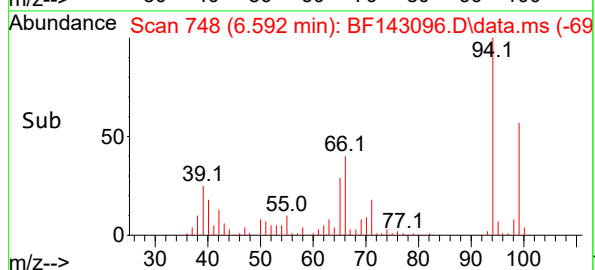
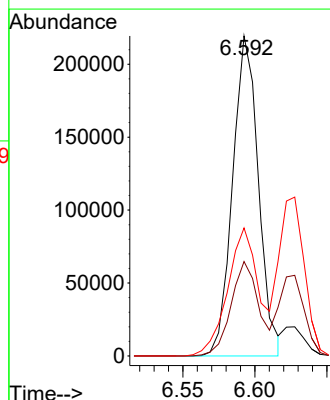
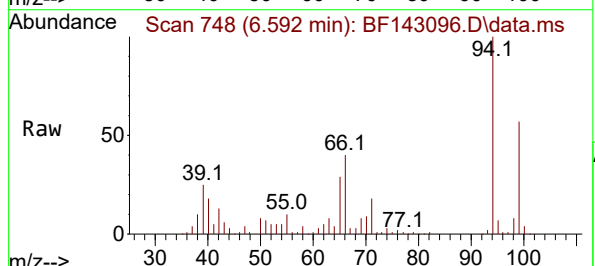
Tgt Ion: 94 Resp: 273102

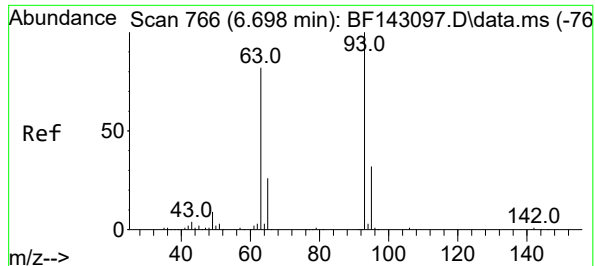
Ion Ratio Lower Upper

94 100

65 29.5 9.8 49.8

66 40.0 20.5 60.5





#11

bis(2-Chloroethyl)ether

Concen: 20.491 ng

RT: 6.692 min Scan# 765

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 93 Resp: 209360

Ion Ratio Lower Upper

93 100

63 84.1 61.9 101.9

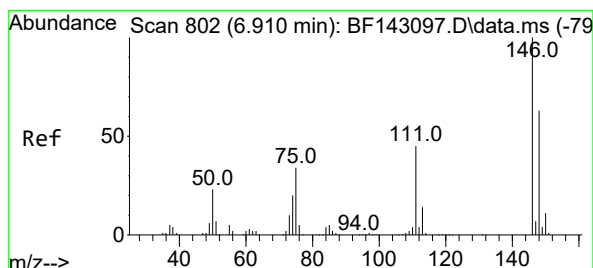
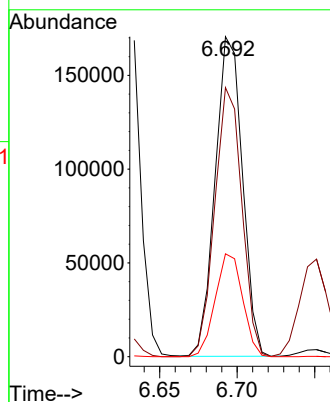
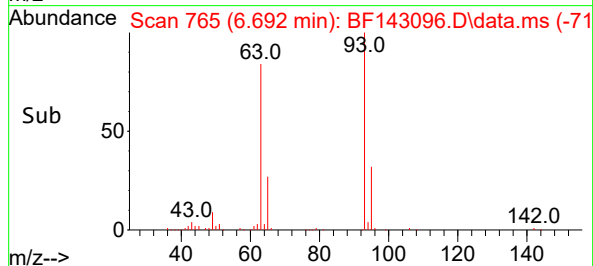
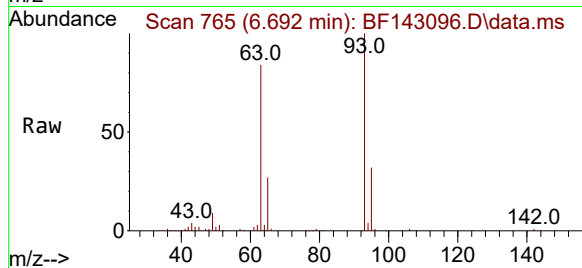
95 32.2 12.2 52.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#12

1,3-Dichlorobenzene

Concen: 20.458 ng

RT: 6.910 min Scan# 802

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

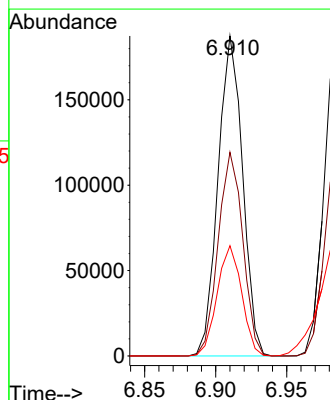
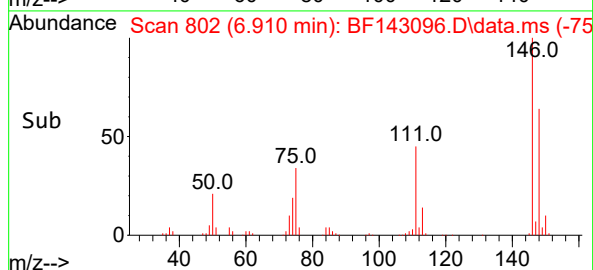
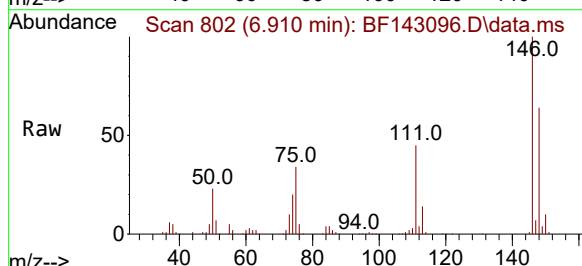
Tgt Ion:146 Resp: 225218

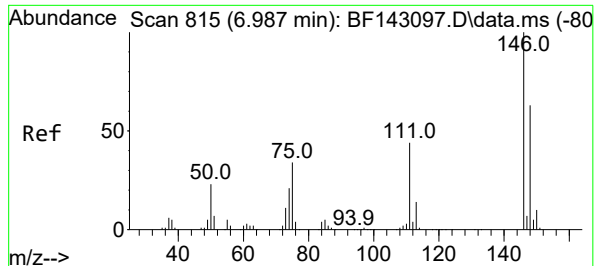
Ion Ratio Lower Upper

146 100

148 63.7 50.1 75.1

75 34.5 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 20.804 ng

RT: 6.987 min Scan# 815

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 230409

Ion Ratio Lower Upper

146 100

148 62.7 50.6 76.0

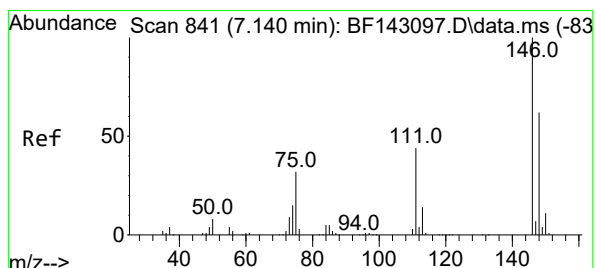
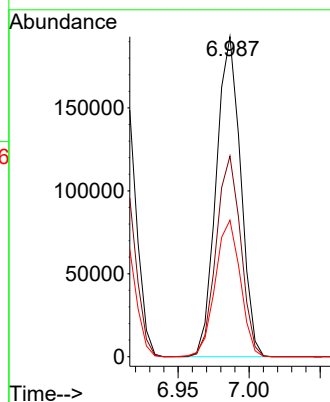
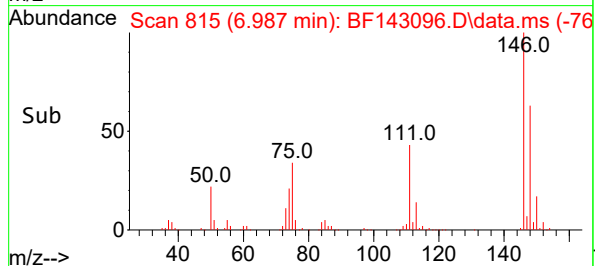
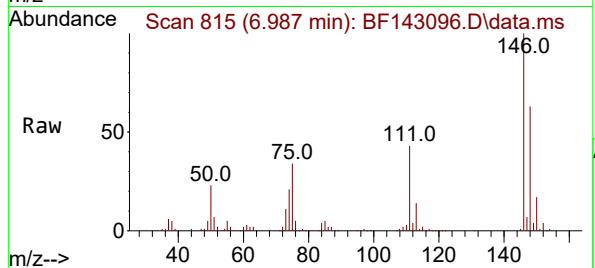
111 42.7 35.0 52.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#14

1,2-Dichlorobenzene

Concen: 20.745 ng

RT: 7.139 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

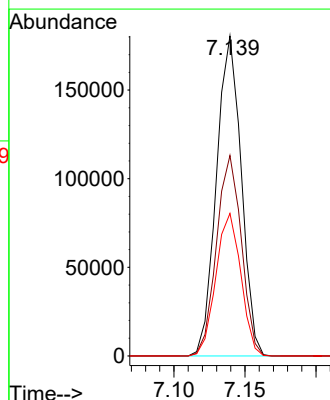
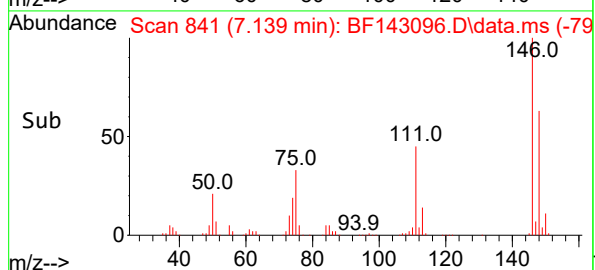
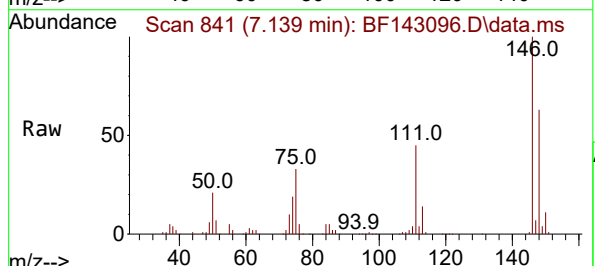
Tgt Ion:146 Resp: 219102

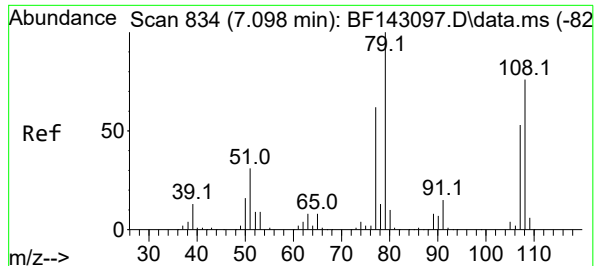
Ion Ratio Lower Upper

146 100

148 62.6 49.8 74.6

111 44.5 35.4 53.0





#15

Benzyl Alcohol

Concen: 20.428 ng

RT: 7.098 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 18453

Ion Ratio Lower Upper

79 100

108 75.2 61.1 91.7

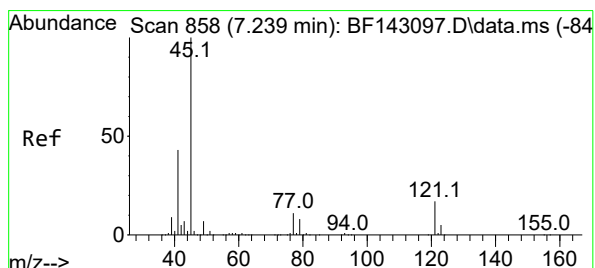
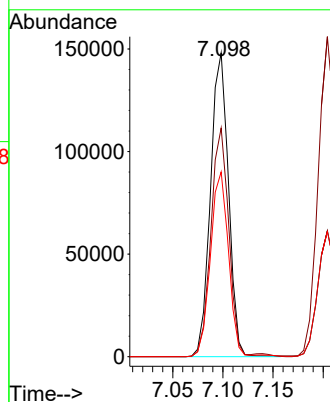
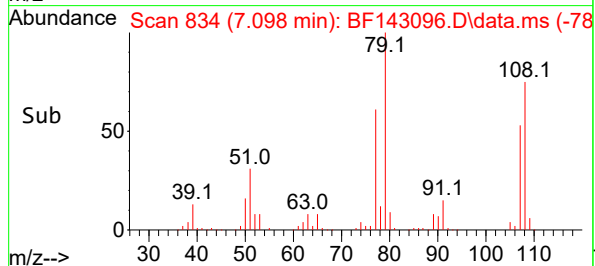
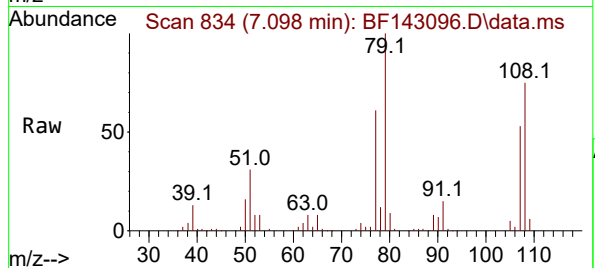
77 60.8 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.571 ng

RT: 7.239 min Scan# 858

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

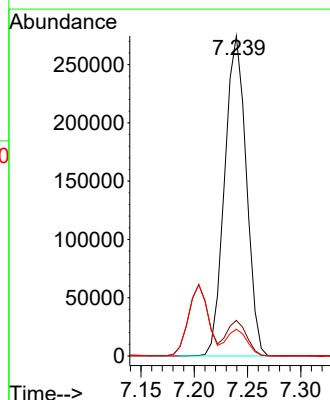
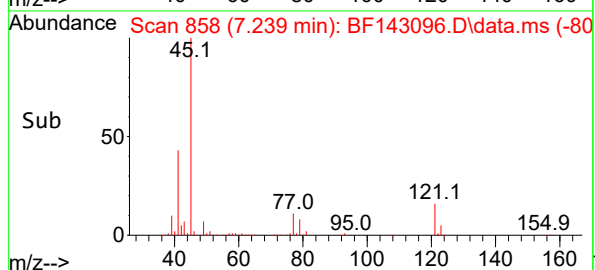
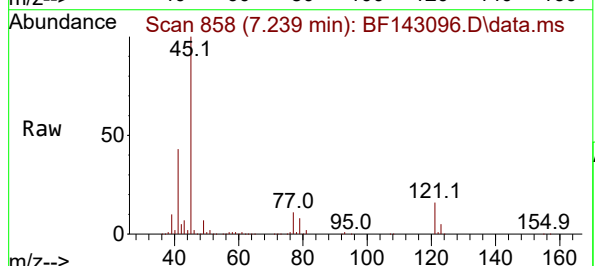
Tgt Ion: 45 Resp: 387425

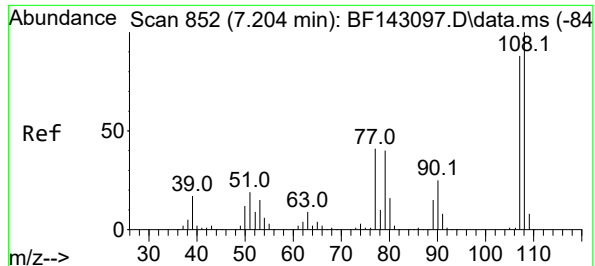
Ion Ratio Lower Upper

45 100

77 11.1 0.0 31.1

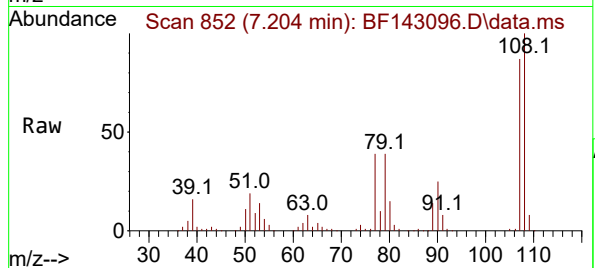
79 8.4 0.0 28.4





#17
2-Methylphenol
Concen: 20.480 ng
RT: 7.204 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

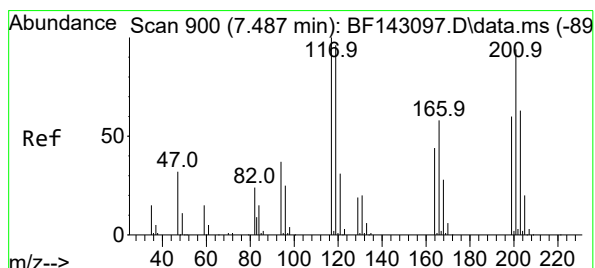
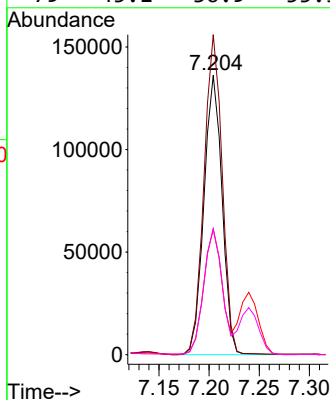
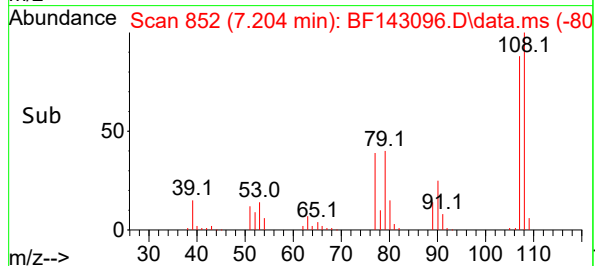
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



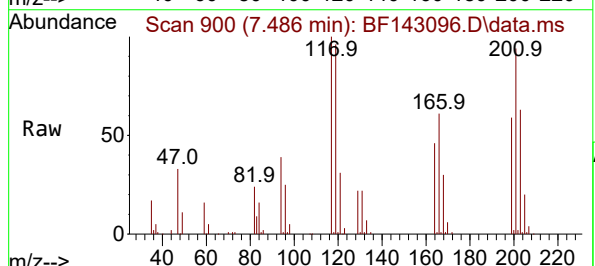
Tgt Ion:107 Resp: 172219
Ion Ratio Lower Upper
107 100
108 114.5 90.9 136.3
77 44.9 37.5 56.3
79 45.1 36.9 55.3

Manual Integrations
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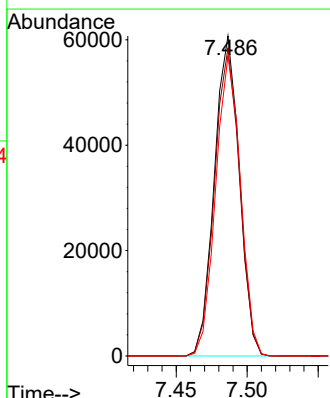
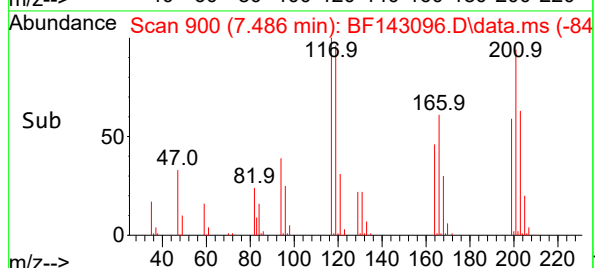
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

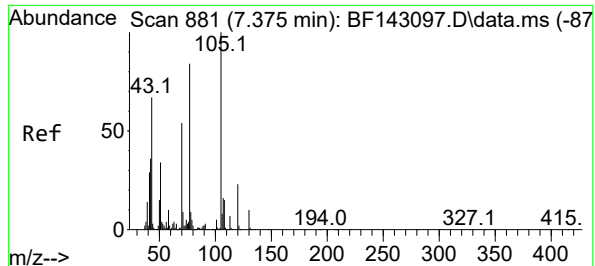


#18
Hexachloroethane
Concen: 20.654 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36



Tgt Ion:117 Resp: 74466
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1
201 93.7 75.0 112.4





#19

n-Nitroso-di-n-propylamine

Concen: 20.559 ng

RT: 7.369 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 15355

Ion Ratio Lower Upper

70 100

42 68.3 53.2 79.8

101 9.7 7.5 11.3

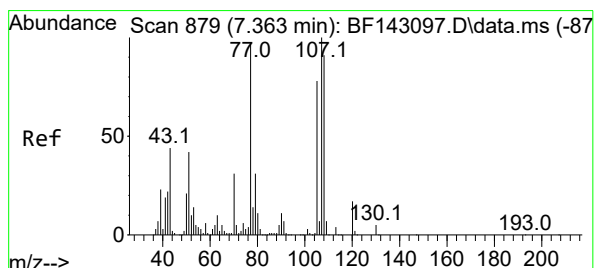
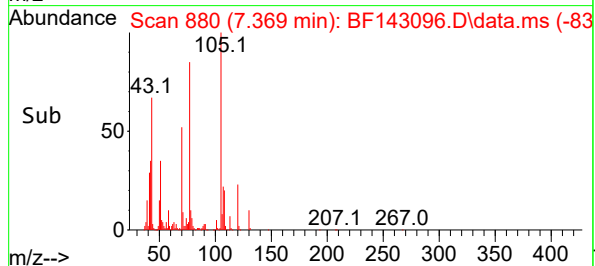
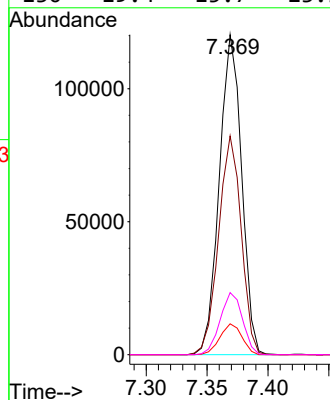
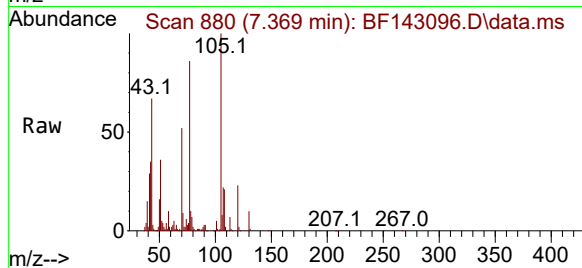
130 19.4 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#20

3+4-Methylphenols

Concen: 21.080 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Tgt Ion:107 Resp: 217393

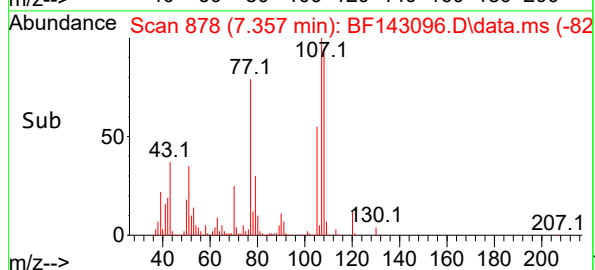
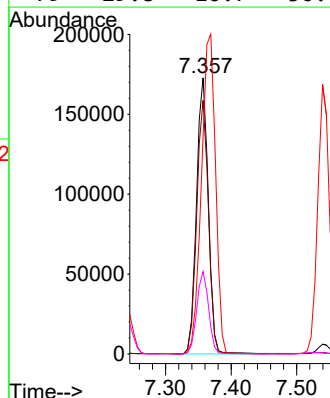
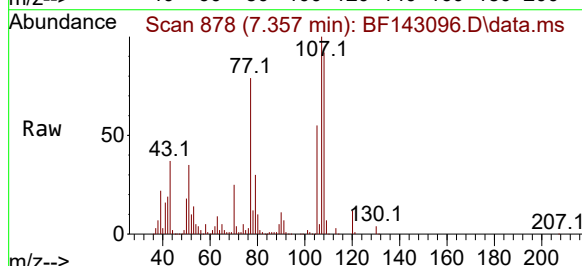
Ion Ratio Lower Upper

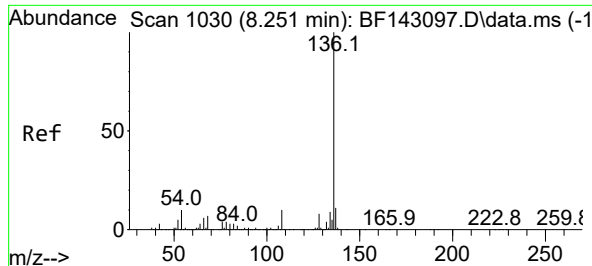
107 100

108 91.8 71.3 111.3

77 78.6 77.2 117.2

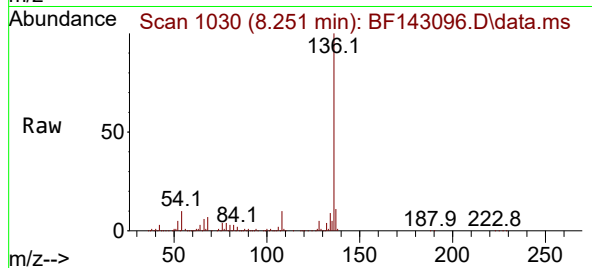
79 29.8 10.7 50.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

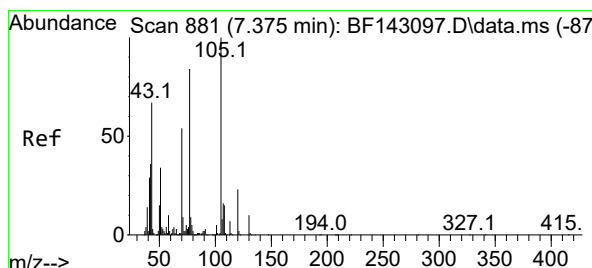
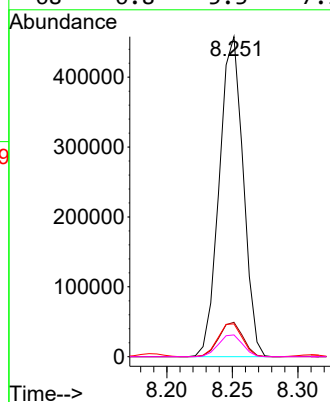
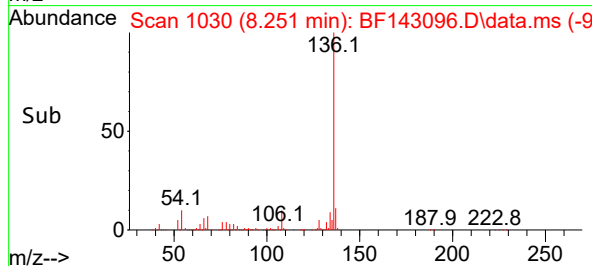
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:136 Resp: 579905
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 10.2 8.3 12.5
68 6.8 5.3 7.9

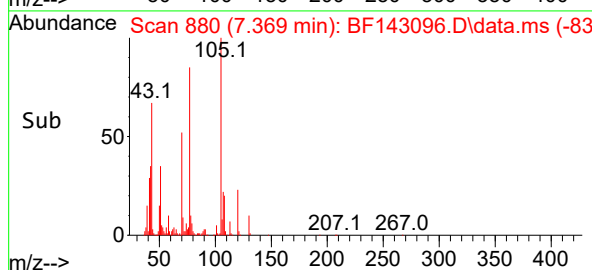
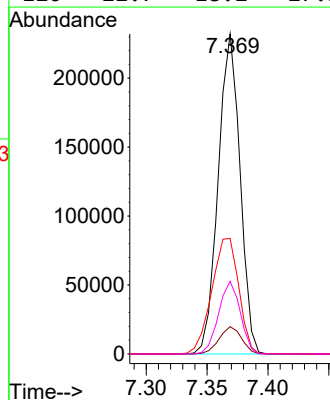
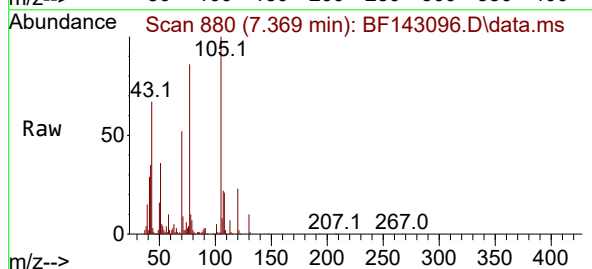
Manual Integrations
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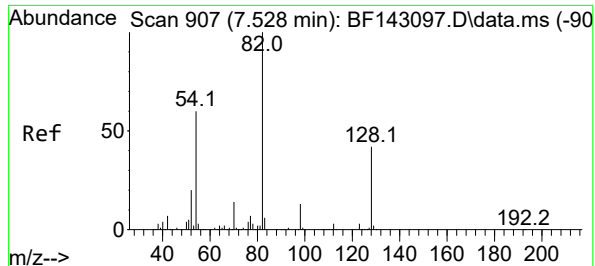
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#22
Acetophenone
Concen: 20.725 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:105 Resp: 289716
Ion Ratio Lower Upper
105 100
71 8.5 7.2 10.8
51 36.1 27.0 40.4
120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 40.693 ng/ml

RT: 7.522 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 420674

Ion Ratio Lower Upper

82 100

128 40.4 33.3 49.9

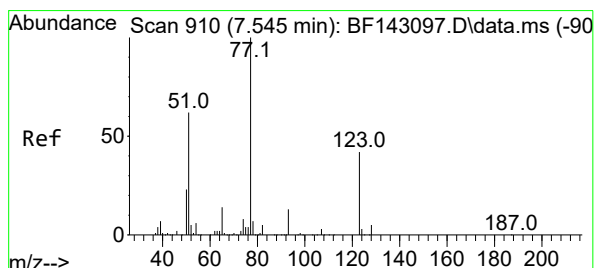
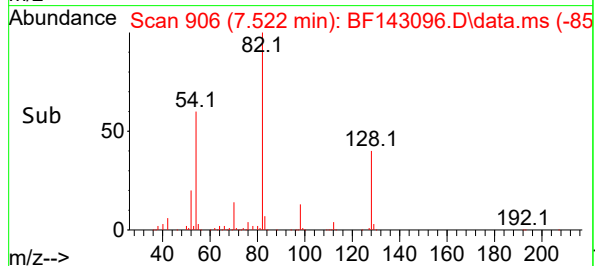
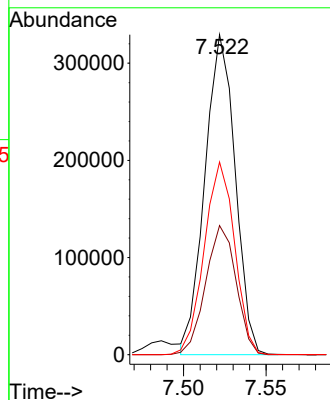
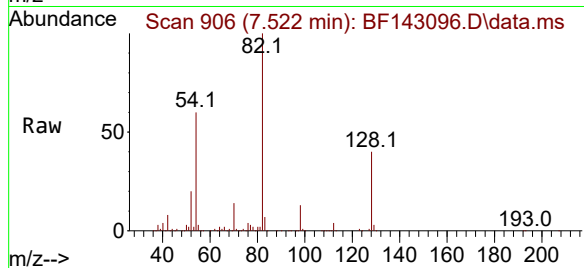
54 60.2 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#24

Nitrobenzene

Concen: 20.721 ng/ml

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

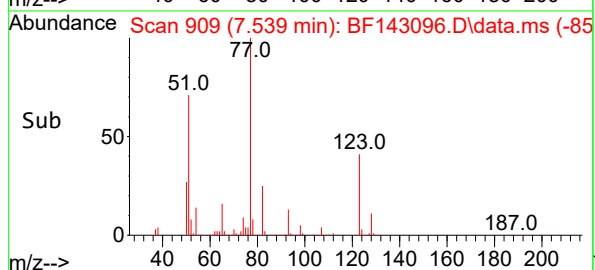
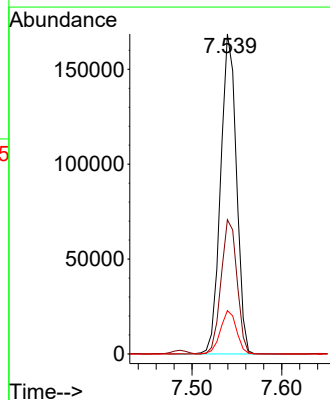
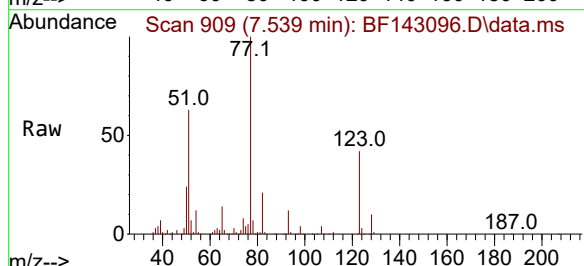
Tgt Ion: 77 Resp: 206781

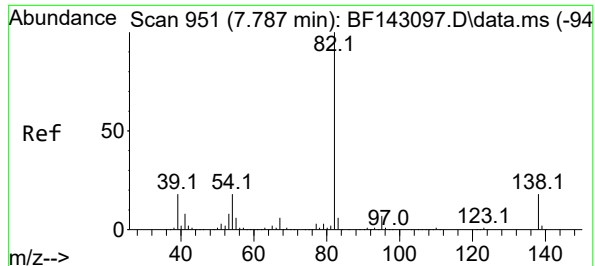
Ion Ratio Lower Upper

77 100

123 42.0 34.5 51.7

65 13.5 11.3 16.9





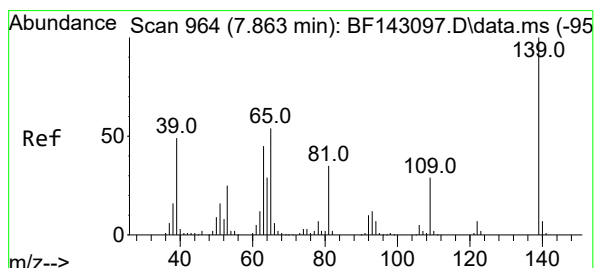
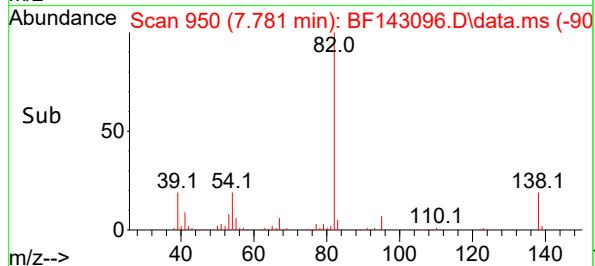
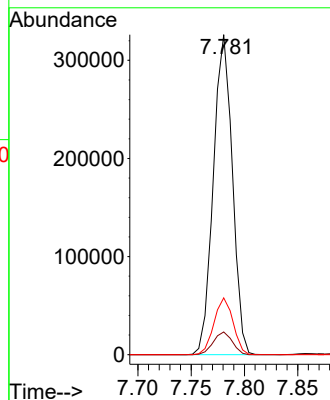
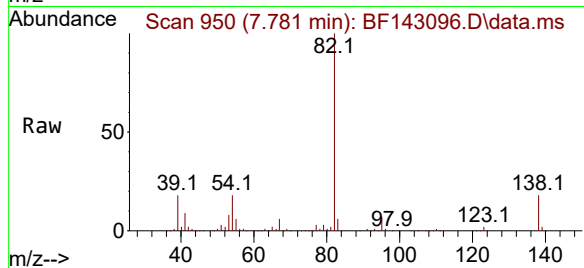
#25
Isophorone
Concen: 20.239 ng
RT: 7.781 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
Client Sample Id :
SSTDICC020

Tgt Ion: 82 Resp: 40438
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 17.7 14.3 21.5

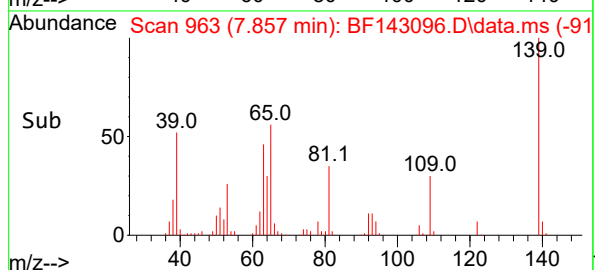
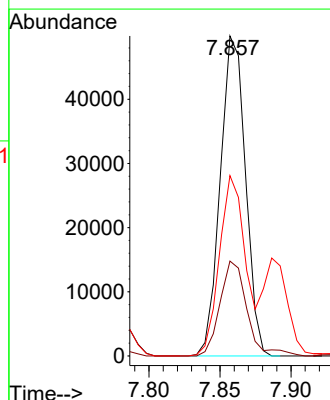
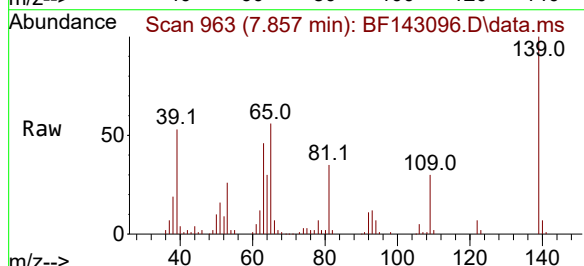
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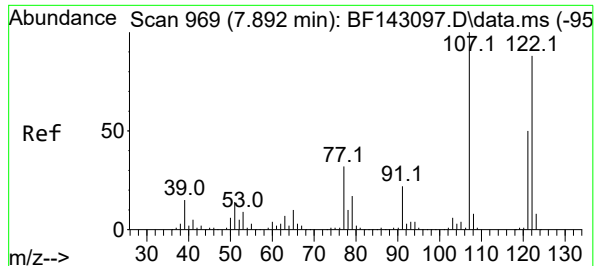
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#26
2-Nitrophenol
Concen: 18.099 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:139 Resp: 61544
Ion Ratio Lower Upper
139 100
109 29.7 23.4 35.0
65 56.3 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 20.363 ng

RT: 7.886 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:122 Resp: 188840

Ion Ratio Lower Upper

122 100

107 115.1 91.3 136.9

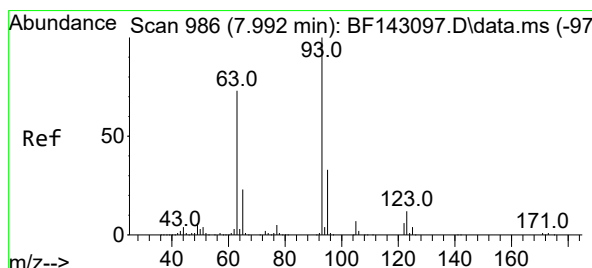
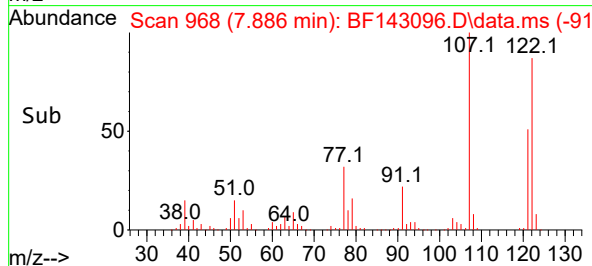
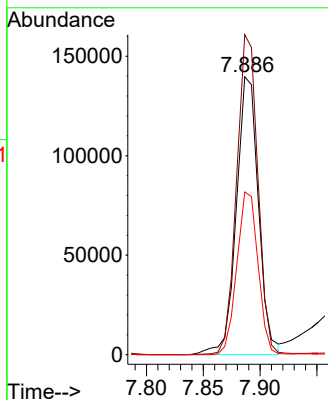
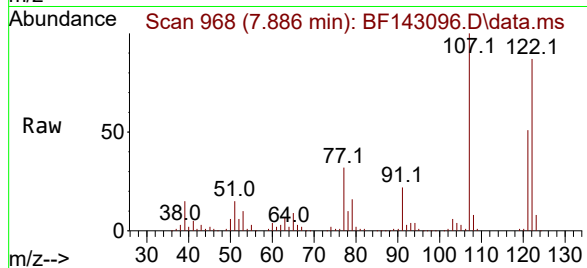
121 58.6 45.5 68.3

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#28

bis(2-Chloroethoxy)methane

Concen: 20.814 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

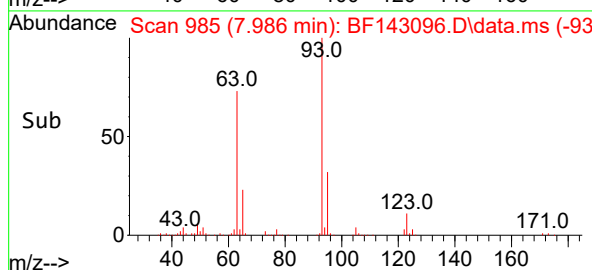
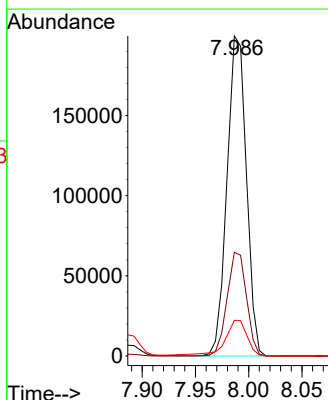
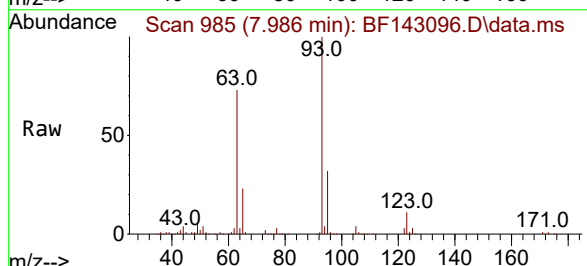
Tgt Ion: 93 Resp: 252183

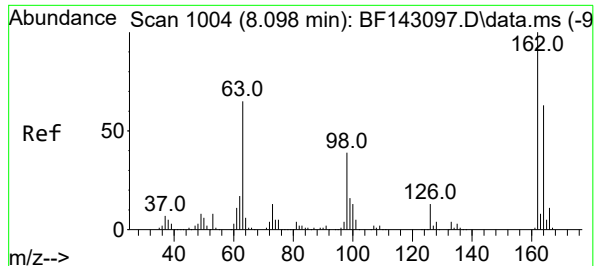
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.4

123 11.1 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 20.427 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 154978

Ion Ratio Lower Upper

162 100

164 65.2 43.1 83.1

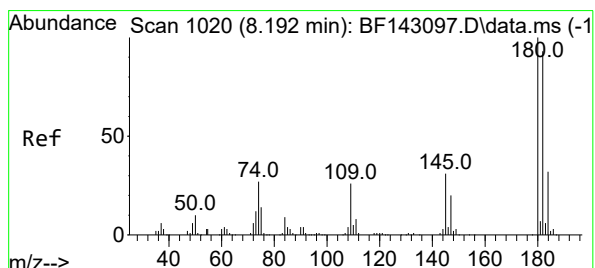
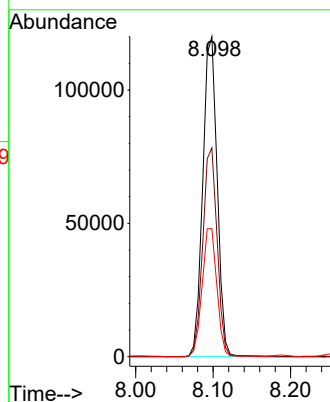
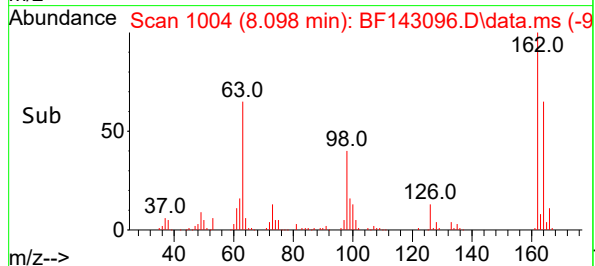
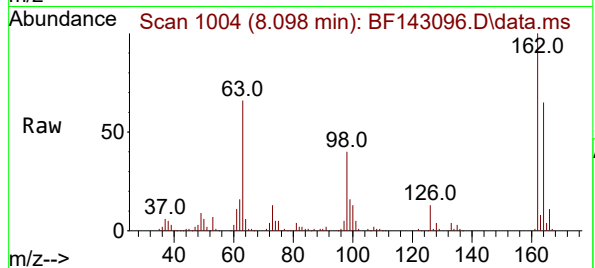
98 40.0 19.2 59.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#30

1,2,4-Trichlorobenzene

Concen: 20.647 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

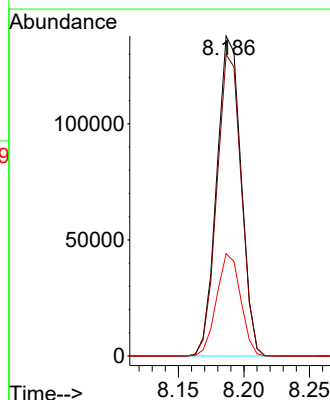
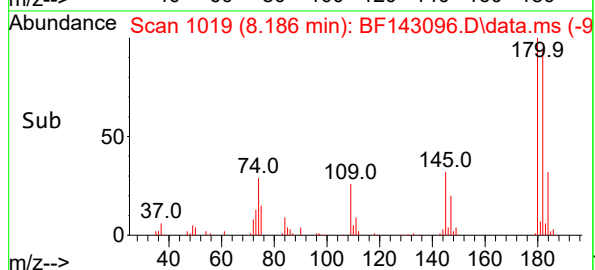
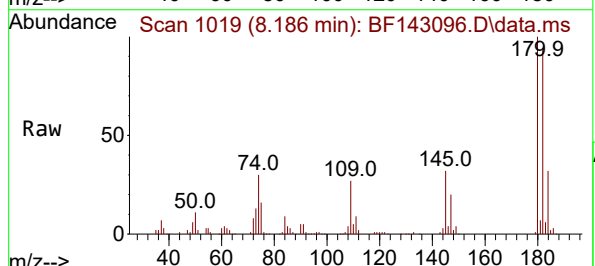
Tgt Ion:180 Resp: 177770

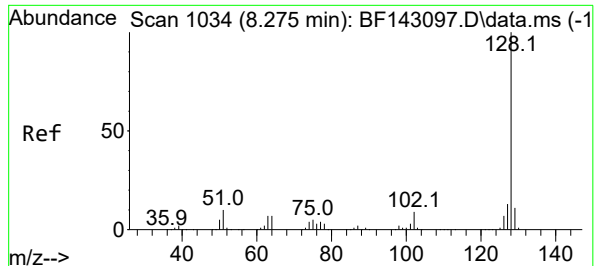
Ion Ratio Lower Upper

180 100

182 94.2 74.7 112.1

145 31.9 24.5 36.7





#31

Naphthalene

Concen: 20.881 ng

RT: 8.269 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:128 Resp: 601310

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

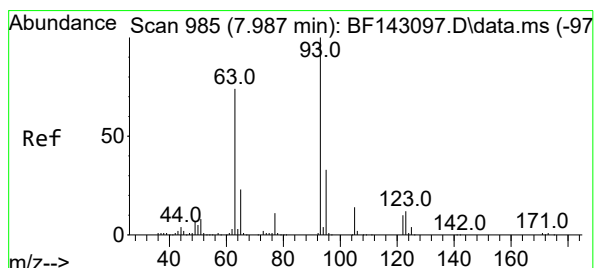
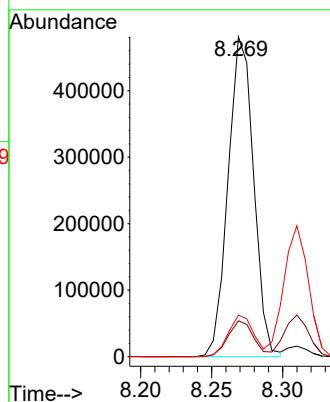
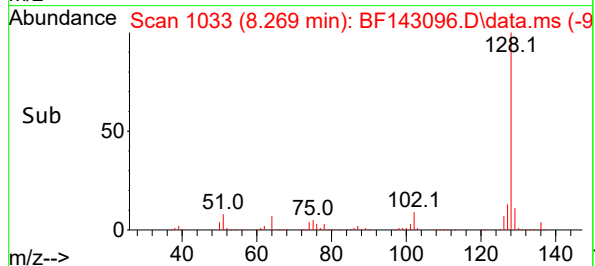
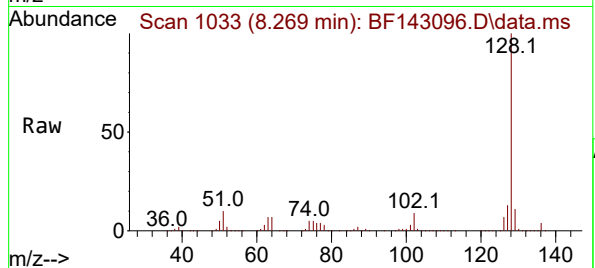
127 13.0 10.5 15.7

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#32

Benzoic acid

Concen: 18.587 ng m

RT: 7.963 min Scan# 981

Delta R.T. -0.024 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

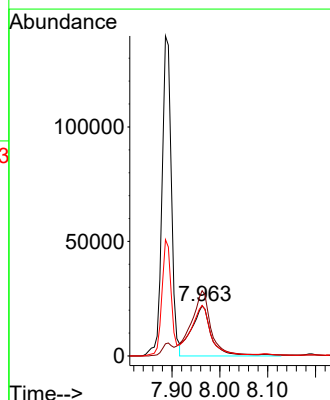
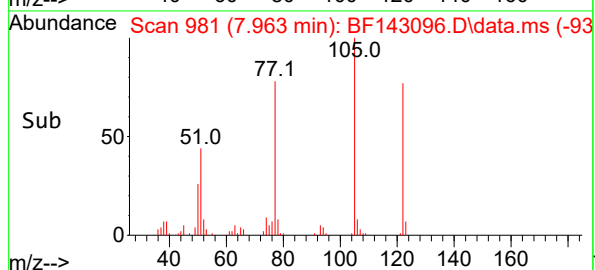
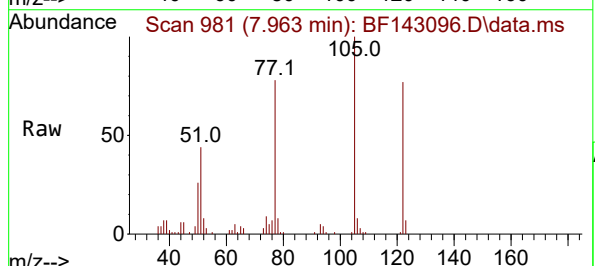
Tgt Ion:122 Resp: 64517

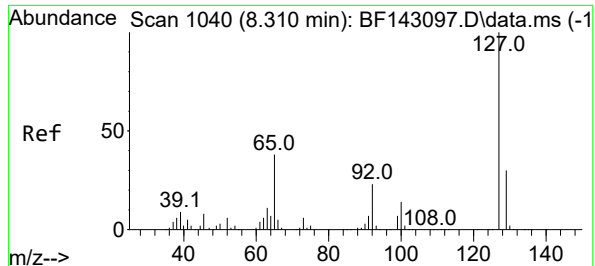
Ion Ratio Lower Upper

122 100

105 130.0 105.4 145.4

77 100.9 78.6 118.6





#33

4-Chloroaniline

Concen: 20.714 ng

RT: 8.310 min Scan# 1040

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 239869

Ion Ratio Lower Upper

127 100

129 31.7 26.2 39.4

65 34.8 28.6 42.8

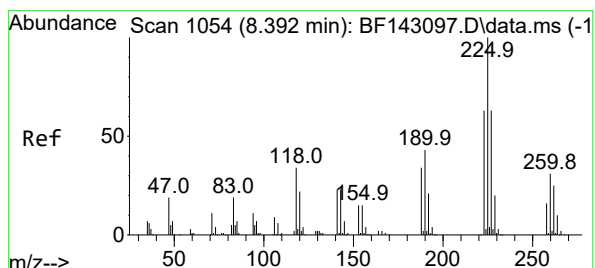
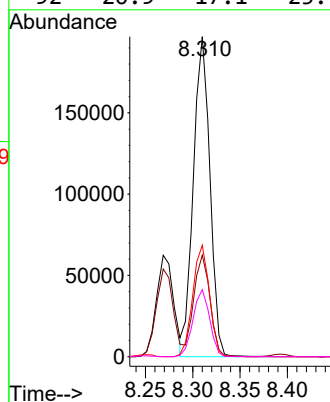
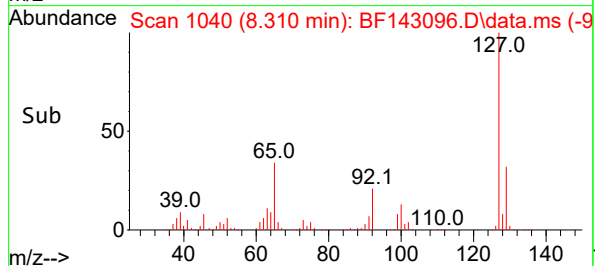
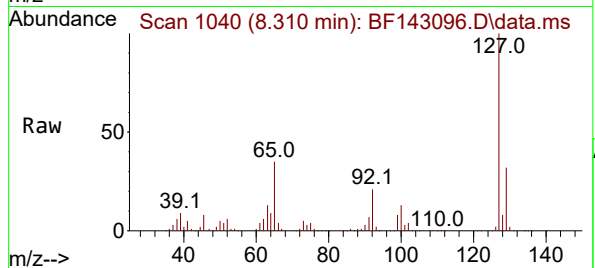
92 20.9 17.1 25.7

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#34

Hexachlorobutadiene

Concen: 20.655 ng

RT: 8.392 min Scan# 1054

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

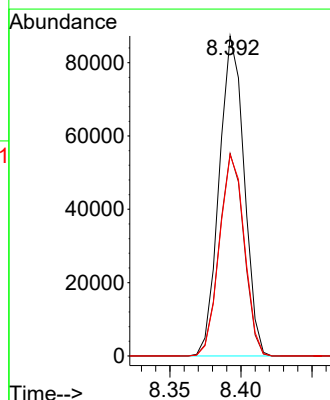
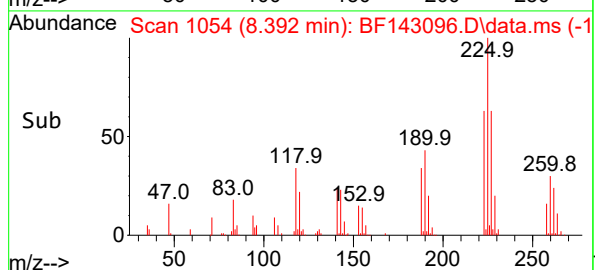
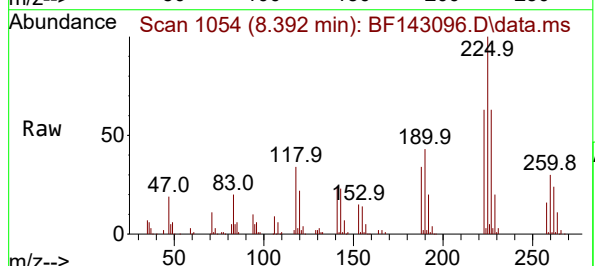
Tgt Ion:225 Resp: 106359

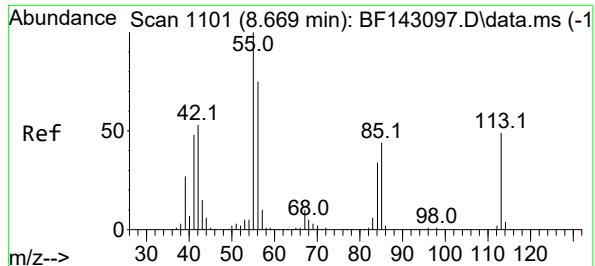
Ion Ratio Lower Upper

225 100

223 63.3 50.3 75.5

227 62.9 50.1 75.1





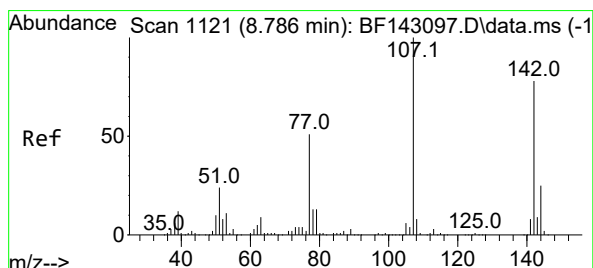
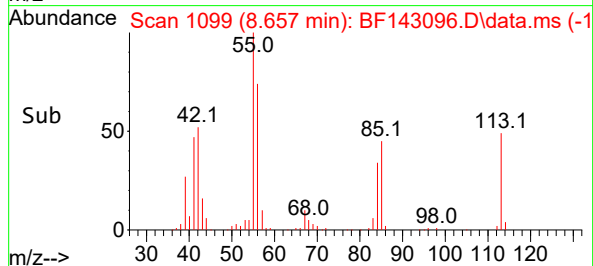
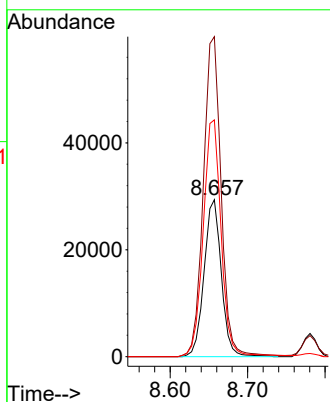
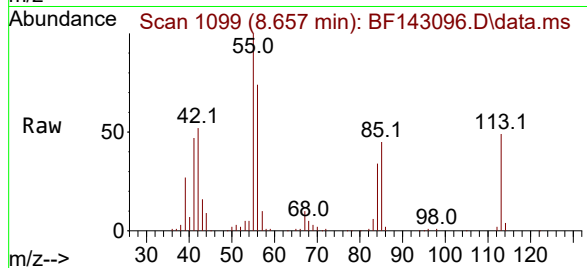
#35
 Caprolactam
 Concen: 19.171 ng
 RT: 8.657 min Scan# 1101
 Delta R.T. -0.012 min
 Lab File: BF143096.D
 Acq: 15 Jul 2025 14:36

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Tgt Ion:113 Resp: 45418
 Ion Ratio Lower Upper
 113 100
 55 203.9 186.2 226.2
 56 150.9 134.1 174.1

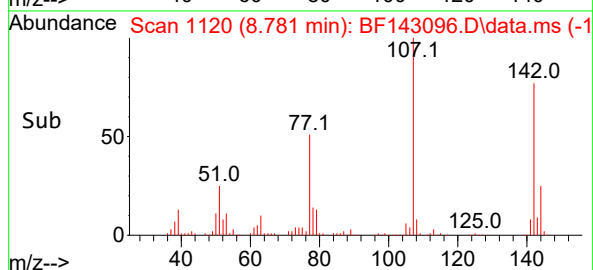
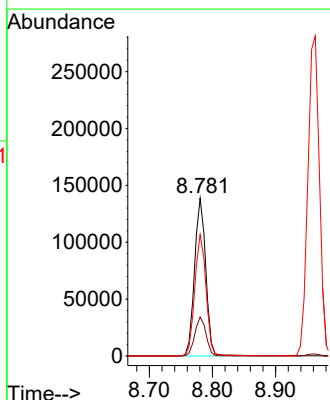
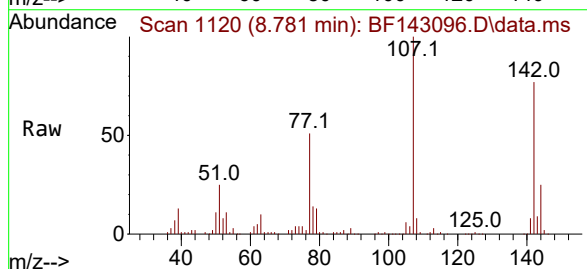
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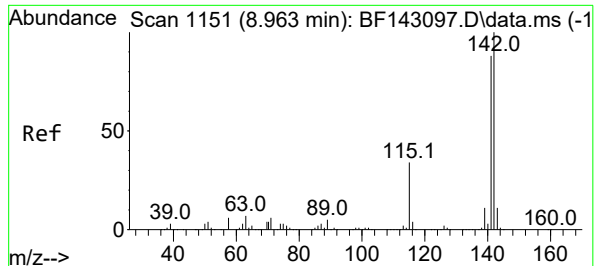
Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025



#36
 4-Chloro-3-methylphenol
 Concen: 20.307 ng
 RT: 8.781 min Scan# 1120
 Delta R.T. -0.006 min
 Lab File: BF143096.D
 Acq: 15 Jul 2025 14:36

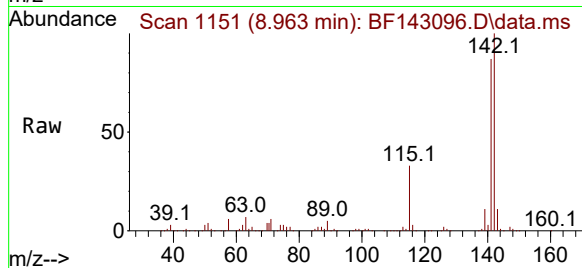
Tgt Ion:107 Resp: 171615
 Ion Ratio Lower Upper
 107 100
 144 24.6 20.2 30.2
 142 77.0 62.4 93.6





#37
2-Methylnaphthalene
Concen: 20.744 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

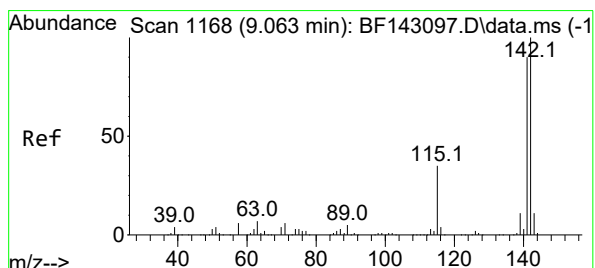
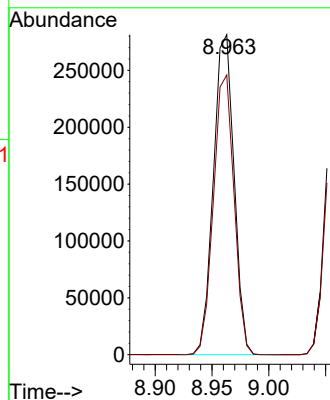
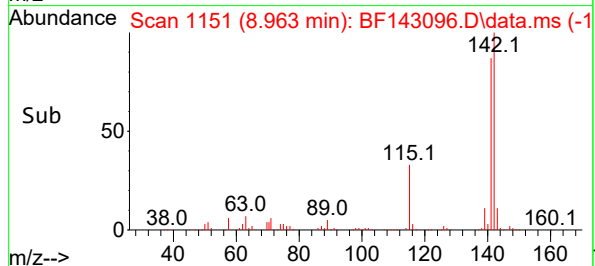
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:142 Resp: 356378
Ion Ratio Lower Upper
142 100
141 87.4 70.2 105.2

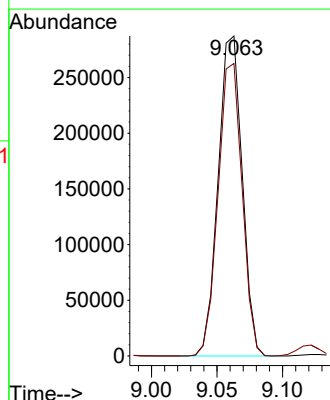
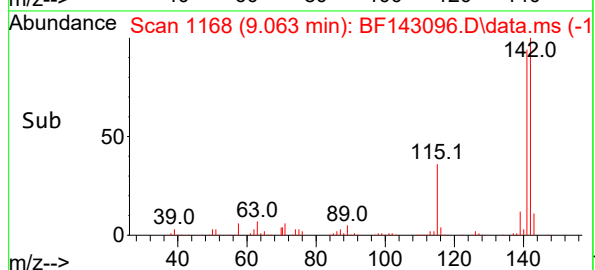
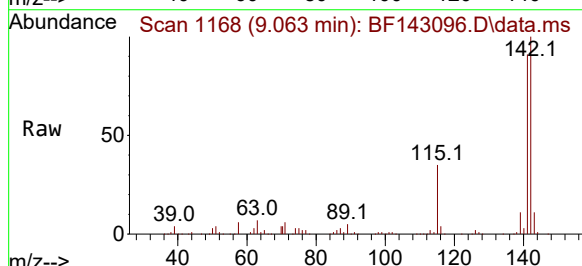
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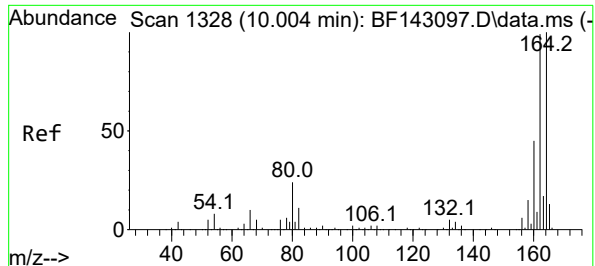
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#38
1-Methylnaphthalene
Concen: 20.524 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:142 Resp: 365700
Ion Ratio Lower Upper
142 100
141 91.4 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143096.D

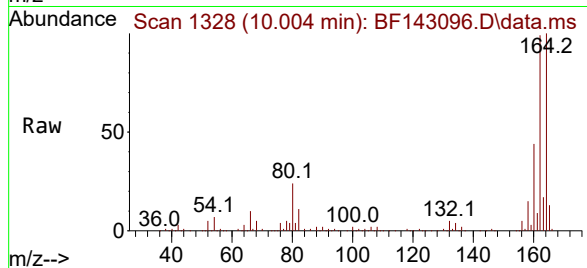
Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 283300

Ion Ratio Lower Upper

164 100

162 98.6 79.0 118.6

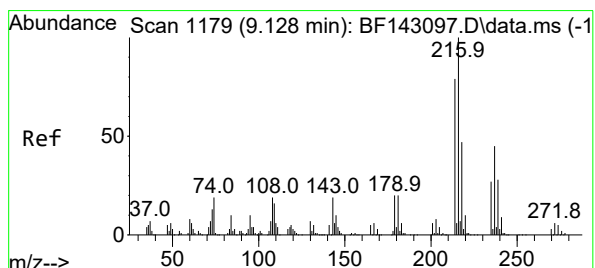
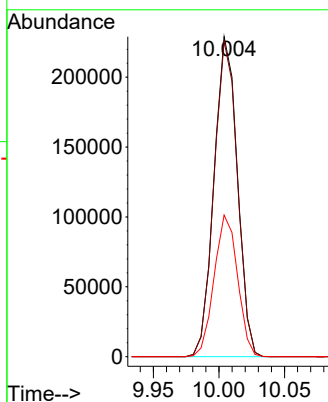
160 44.2 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.673 ng

RT: 9.128 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Tgt Ion:216 Resp: 170678

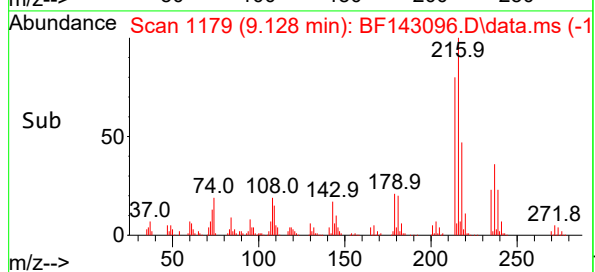
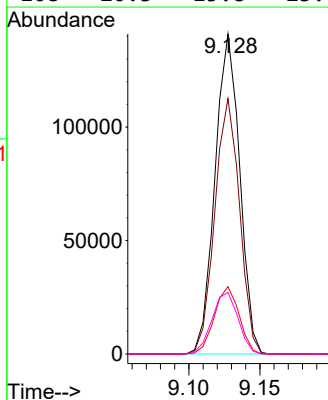
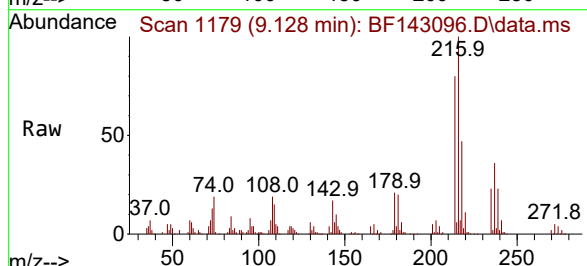
Ion Ratio Lower Upper

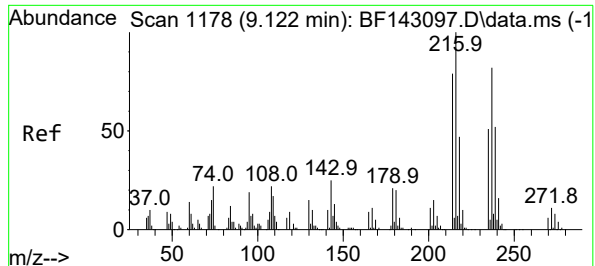
216 100

214 79.7 62.6 94.0

179 21.1 16.2 24.2

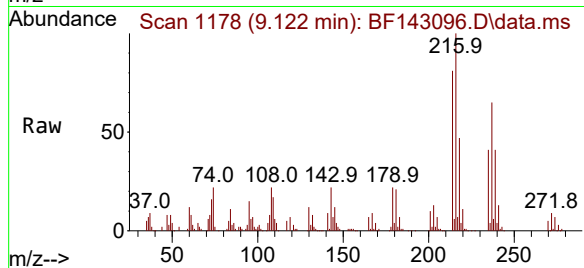
108 20.3 15.8 23.6





#41
Hexachlorocyclopentadiene
Concen: 18.918 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

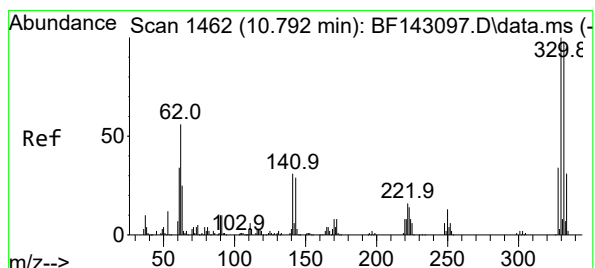
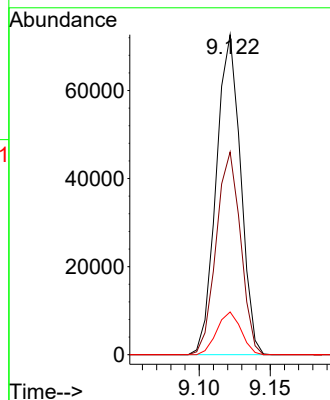
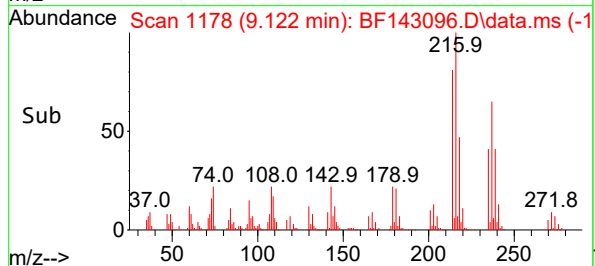
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



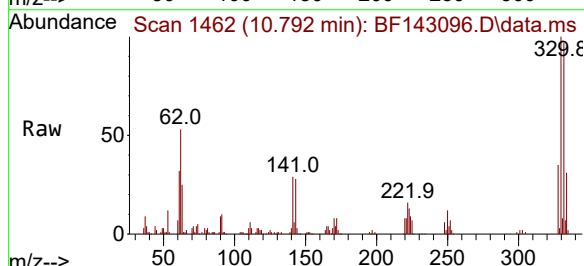
Tgt Ion: 237 Resp: 86590
Ion Ratio Lower Upper
237 100
235 63.3 41.6 81.6
272 13.4 0.0 32.9

Manual Integrations
APPROVED

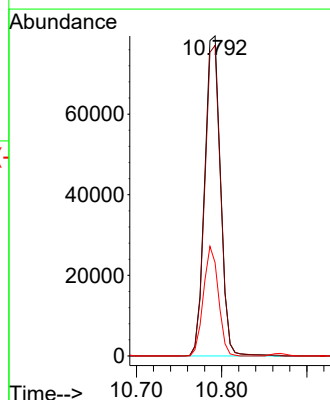
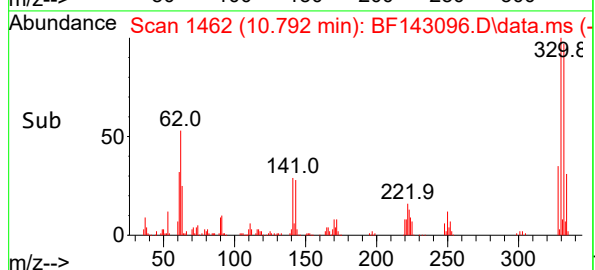
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

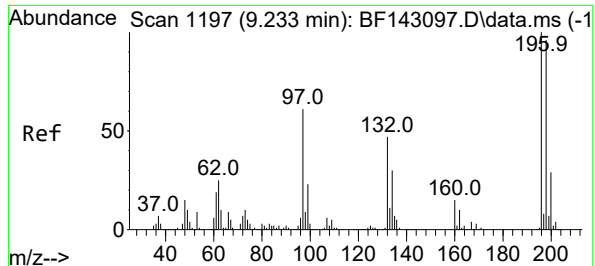


#42
2,4,6-Tribromophenol
Concen: 40.489 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36



Tgt Ion: 330 Resp: 102277
Ion Ratio Lower Upper
330 100
332 96.8 77.9 116.9
141 32.4 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 20.815 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.000 min

Lab File: BF143096.D

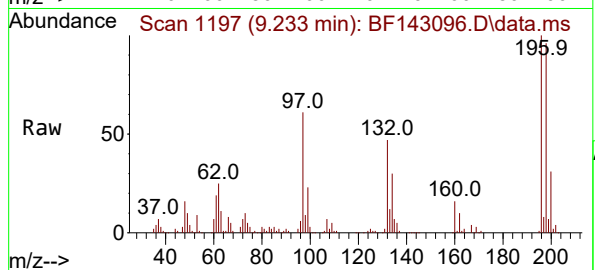
Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 106780

Ion Ratio Lower Upper

196 100

198 96.5 76.9 115.3

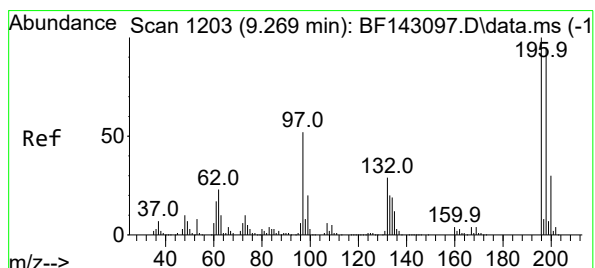
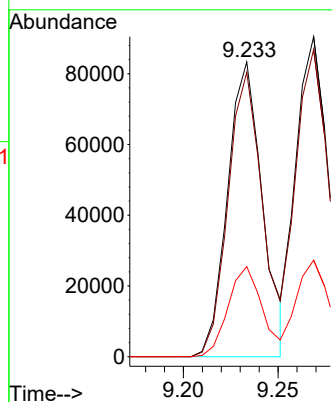
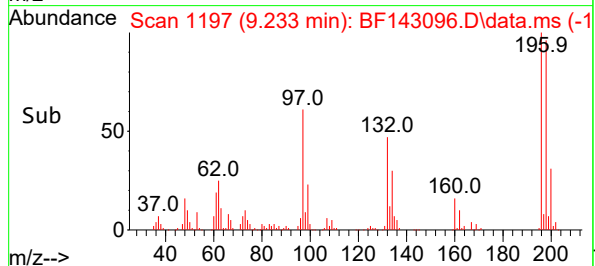
200 30.6 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#44

2,4,5-Trichlorophenol

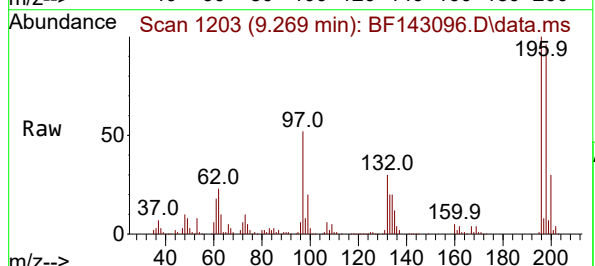
Concen: 20.537 ng

RT: 9.269 min Scan# 1203

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36



Tgt Ion:196 Resp: 110466

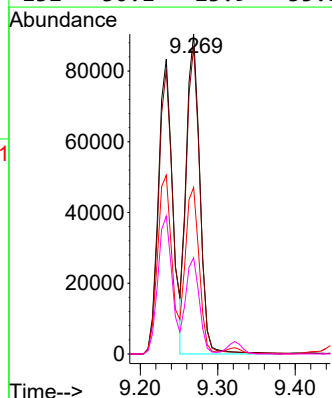
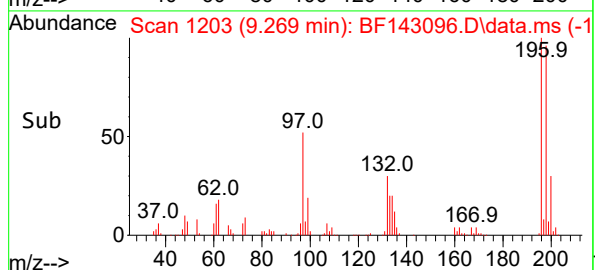
Ion Ratio Lower Upper

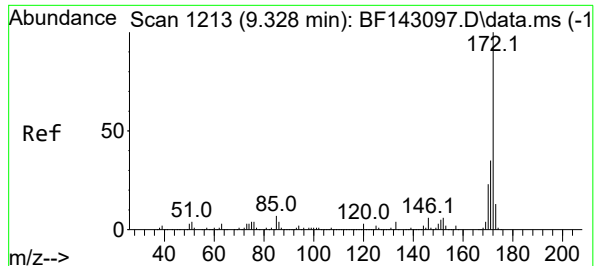
196 100

198 96.0 76.4 114.6

97 52.0 42.4 63.6

132 30.1 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 42.581 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:172 Resp: 90749

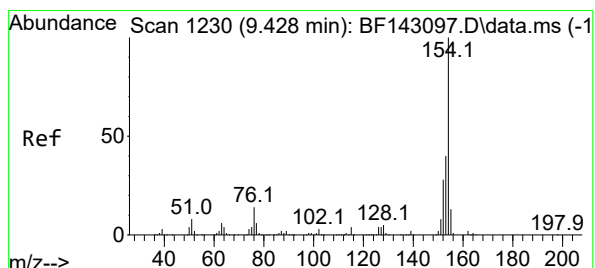
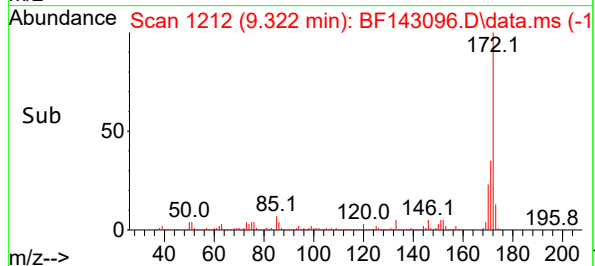
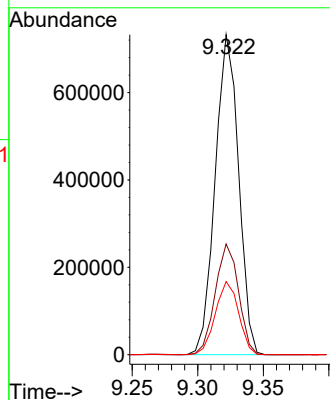
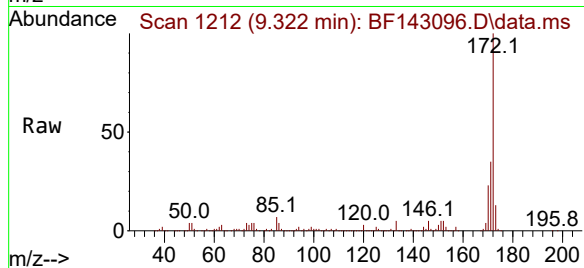
Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.4
170	22.9	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#46

1,1'-Biphenyl

Concen: 20.955 ng

RT: 9.422 min Scan# 1229

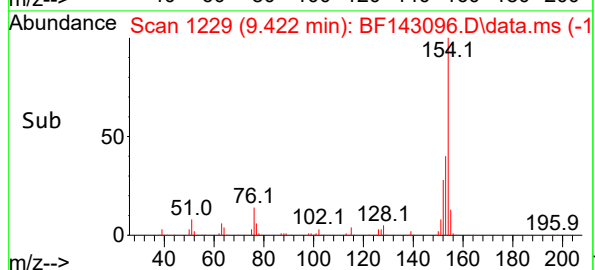
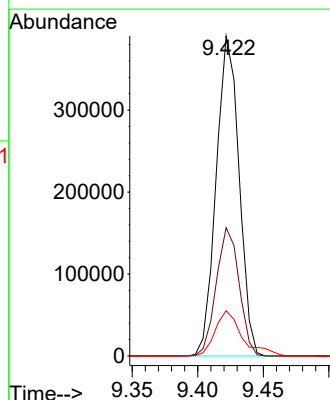
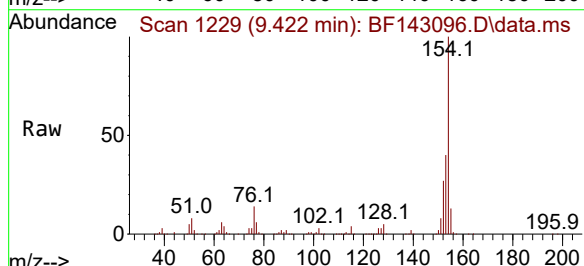
Delta R.T. -0.006 min

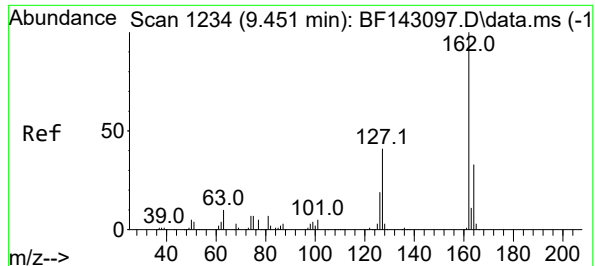
Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Tgt Ion:154 Resp: 473419

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	14.2	0.0	33.7





#47

2-Chloronaphthalene

Concen: 20.584 ng

RT: 9.451 min Scan# 1234

Delta R.T. -0.000 min

Lab File: BF143096.D

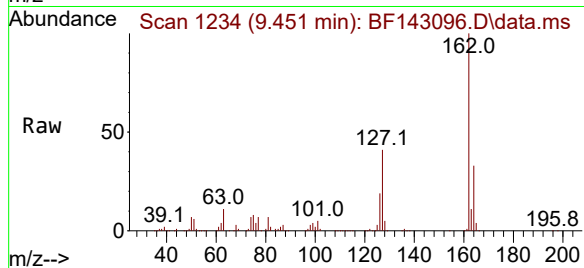
Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



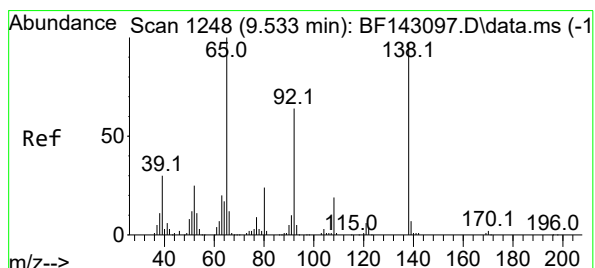
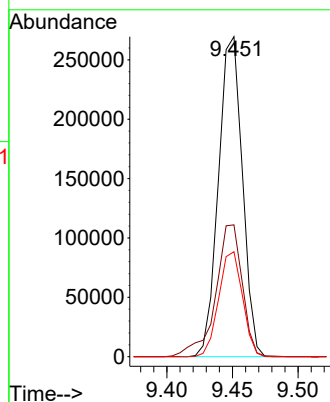
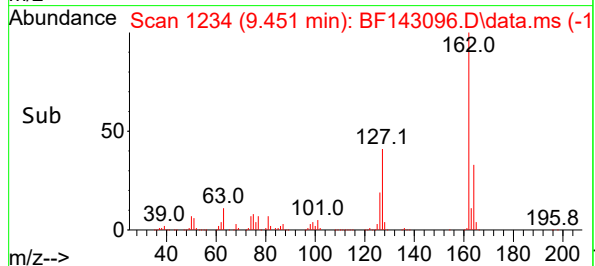
Tgt Ion:	162	Resp:	341630
Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.0	49.6
164	32.8	26.1	39.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#48

2-Nitroaniline

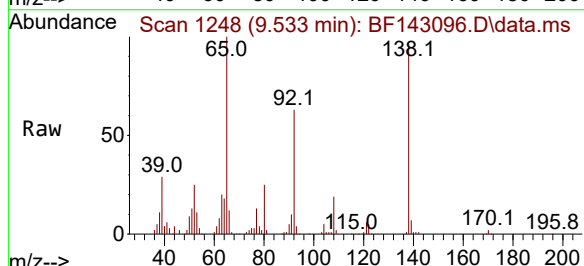
Concen: 18.969 ng

RT: 9.533 min Scan# 1248

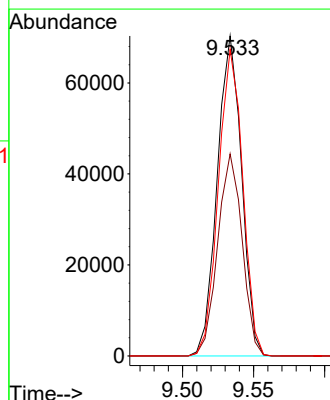
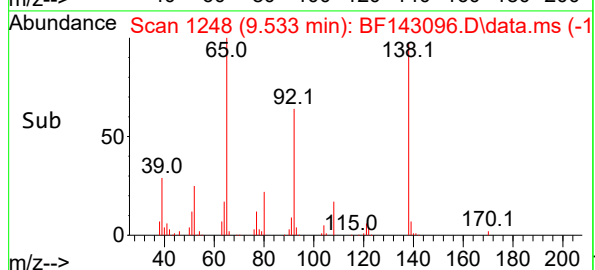
Delta R.T. 0.000 min

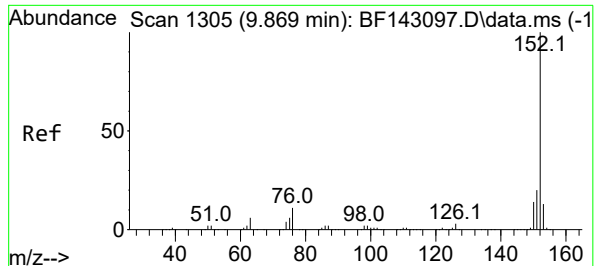
Lab File: BF143096.D

Acq: 15 Jul 2025 14:36



Tgt Ion:	65	Resp:	83805
Ion	Ratio	Lower	Upper
65	100		
92	63.1	51.3	76.9
138	95.8	77.8	116.6





#49

Acenaphthylene

Concen: 20.837 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143096.D

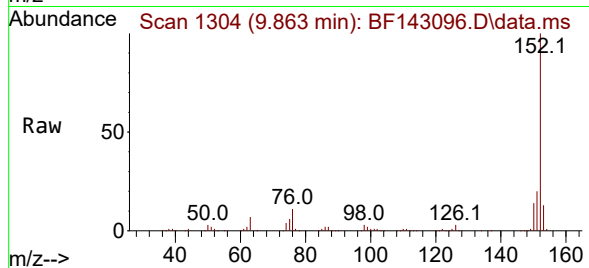
Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:152 Resp: 57626

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

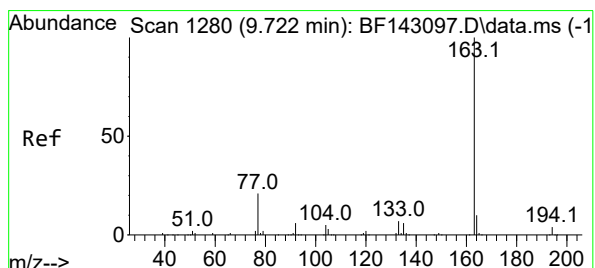
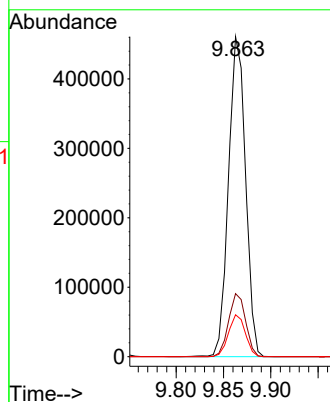
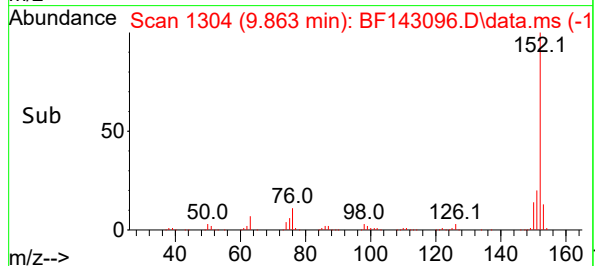
153 13.1 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#50

Dimethylphthalate

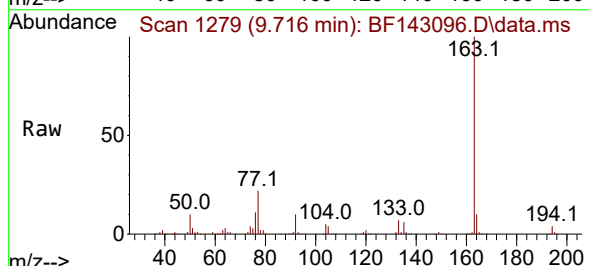
Concen: 20.536 ng

RT: 9.716 min Scan# 1279

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36



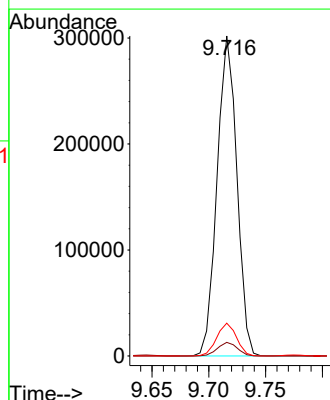
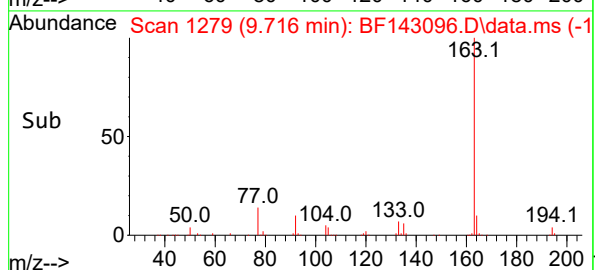
Tgt Ion:163 Resp: 366019

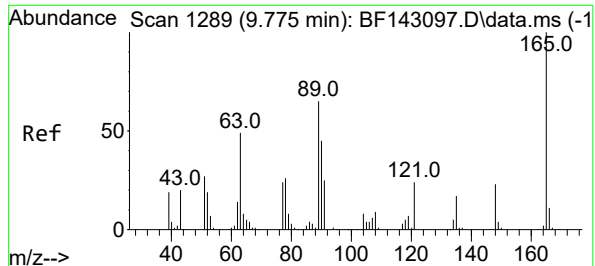
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

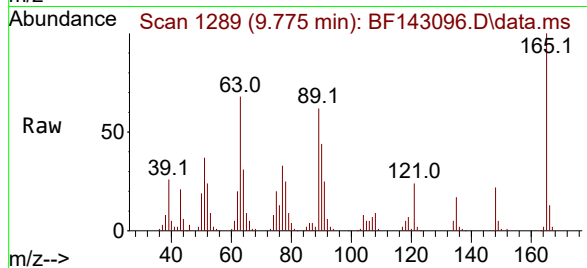
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 19.583 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

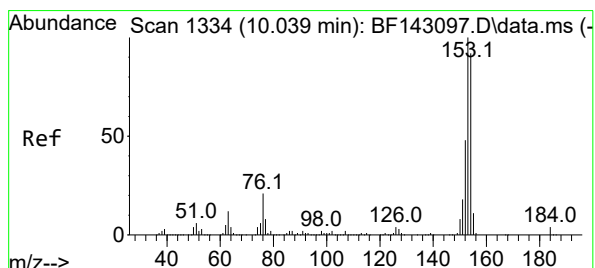
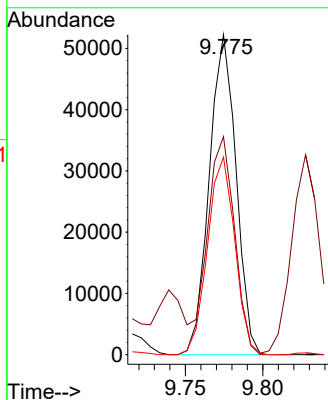
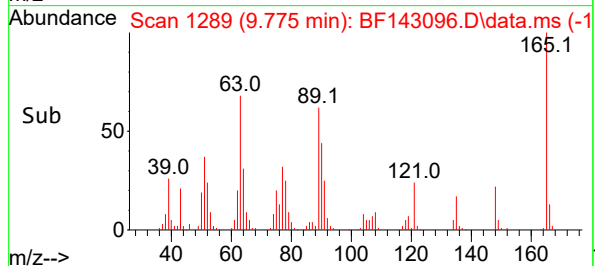
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



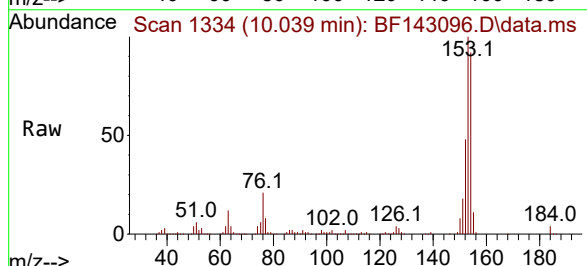
Tgt Ion:165 Resp: 62770
Ion Ratio Lower Upper
165 100
63 68.1 57.4 86.0
89 61.7 51.8 77.8

Manual Integrations
APPROVED

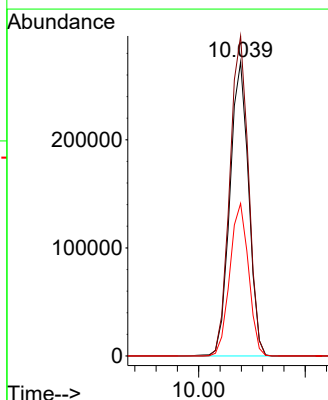
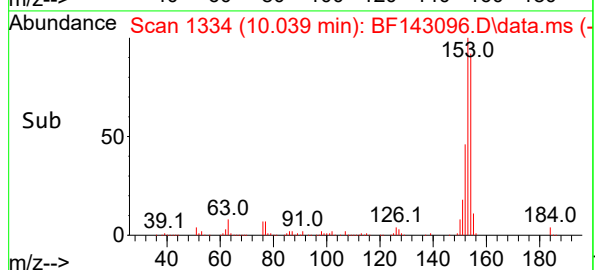
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

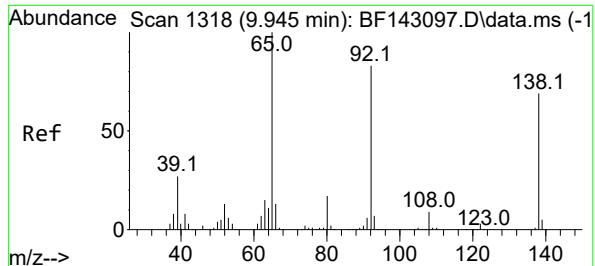


#52
Acenaphthene
Concen: 20.369 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36



Tgt Ion:154 Resp: 332427
Ion Ratio Lower Upper
154 100
153 108.9 86.7 130.1
152 51.9 41.4 62.2





#53
3-Nitroaniline
Concen: 20.797 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

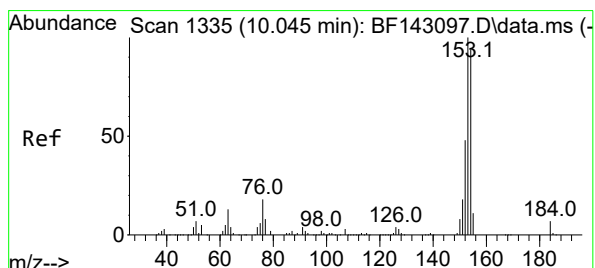
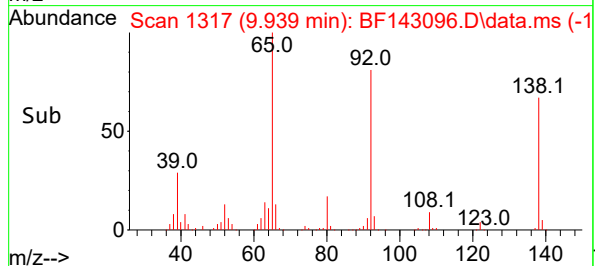
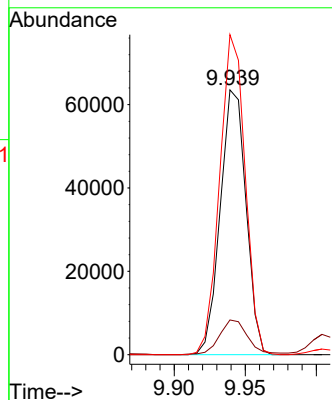
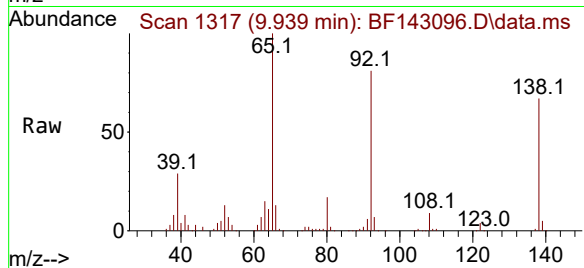
SSTDICC020

Tgt Ion:138 Resp: 80094
Ion Ratio Lower Upper
138 100
108 13.1 10.1 15.1
92 120.9 96.4 144.6

Manual Integrations

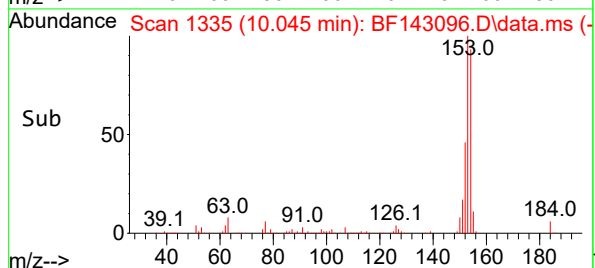
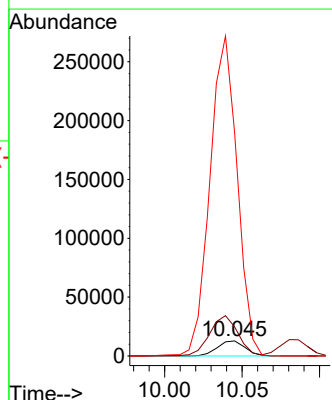
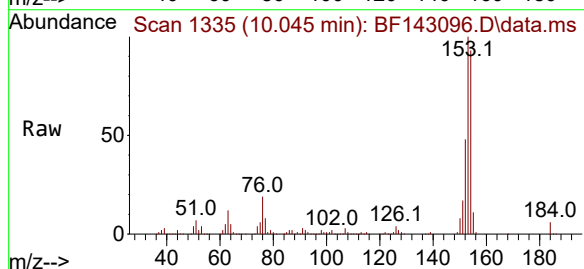
APPROVED

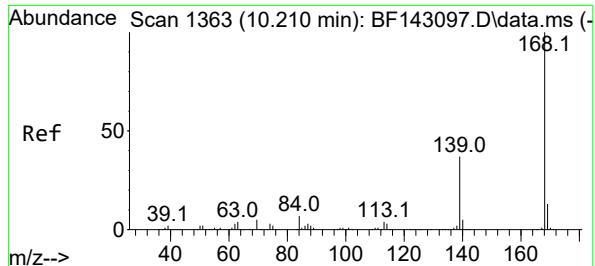
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#54
2,4-Dinitrophenol
Concen: 19.749 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:184 Resp: 15826
Ion Ratio Lower Upper
184 100
63 193.5 149.3 223.9
154 1488.1 1048.0 1572.0





#55

Dibenzenofuran

Concen: 20.792 ng

RT: 10.210 min Scan# 1363

Delta R.T. -0.000 min

Lab File: BF143096.D

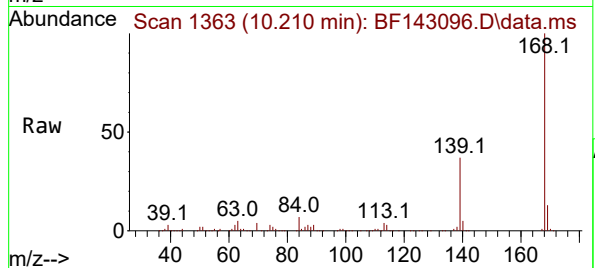
Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:168 Resp: 505784

Ion Ratio Lower Upper

168 100

139 37.3 29.8 44.6

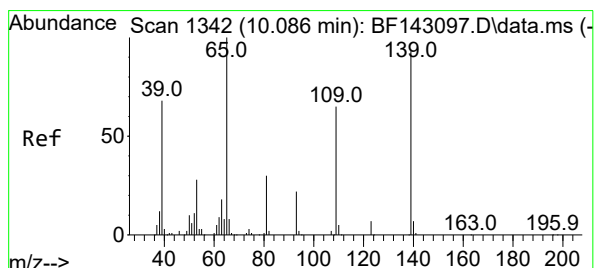
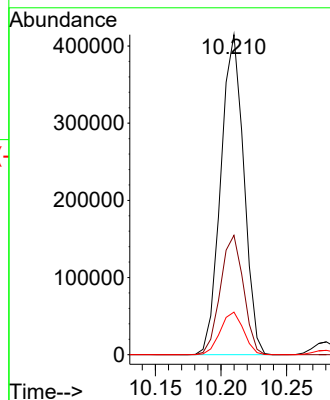
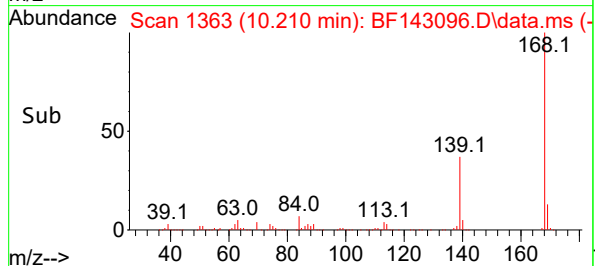
169 13.3 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#56

4-Nitrophenol

Concen: 18.647 ng

RT: 10.086 min Scan# 1342

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

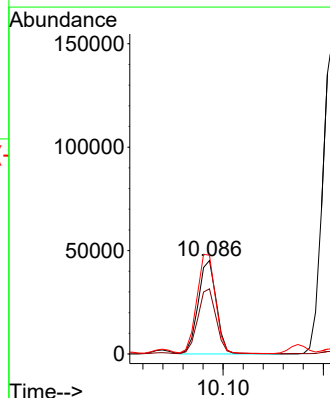
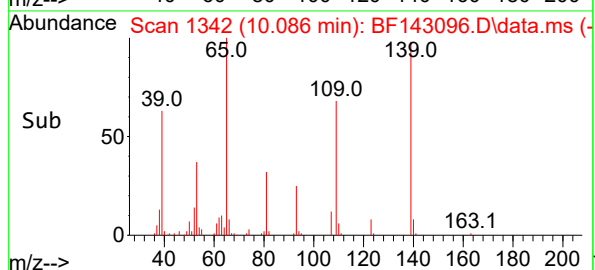
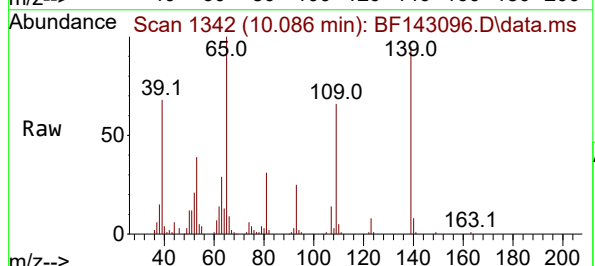
Tgt Ion:139 Resp: 57072

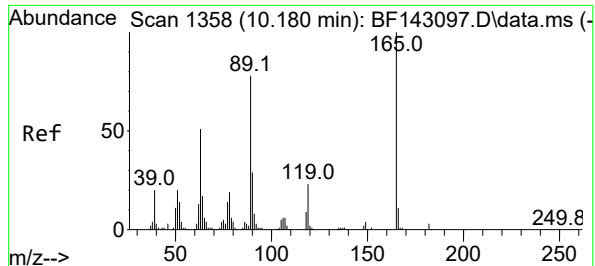
Ion Ratio Lower Upper

139 100

109 69.7 49.4 89.4

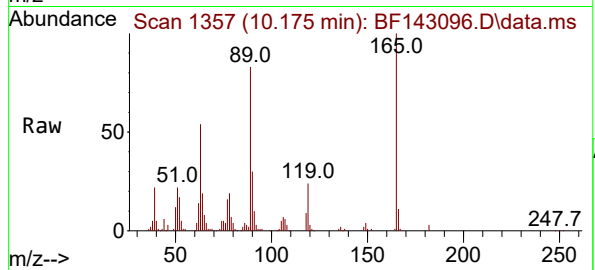
65 105.6 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 18.561 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

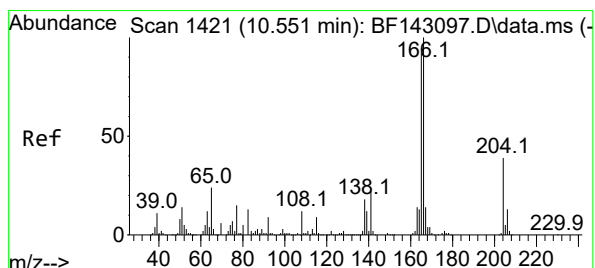
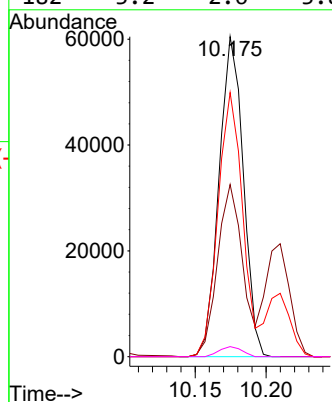
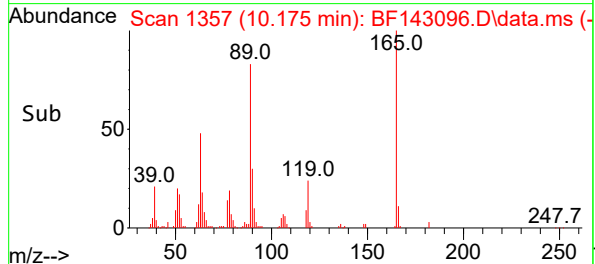
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 71762
Ion Ratio Lower Upper
165 100
63 53.8 40.6 61.0
89 82.6 62.3 93.5
182 3.2 2.6 3.8

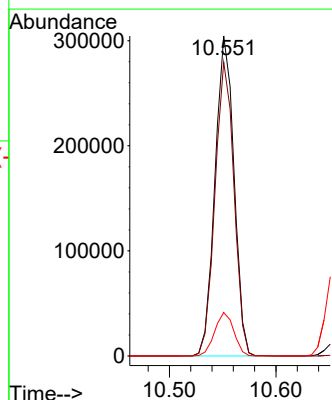
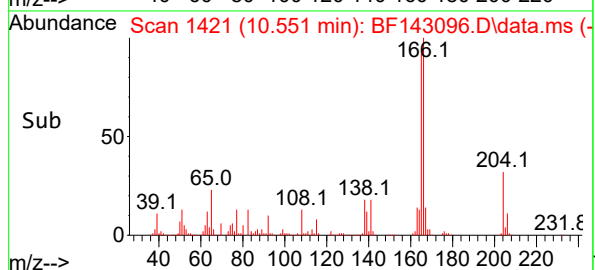
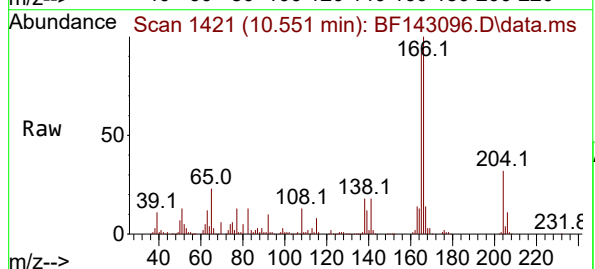
Manual Integrations
APPROVED

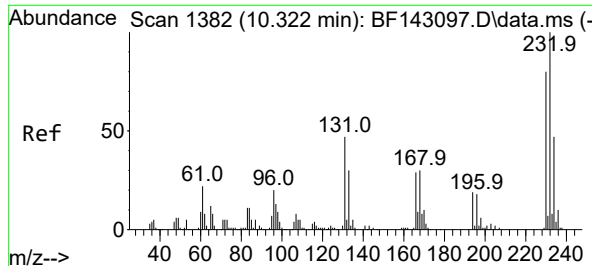
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#58
Fluorene
Concen: 20.626 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

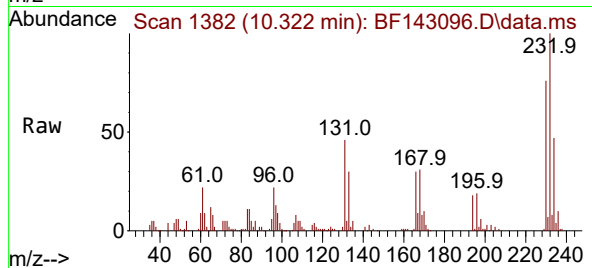
Tgt Ion:166 Resp: 376169
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.030 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

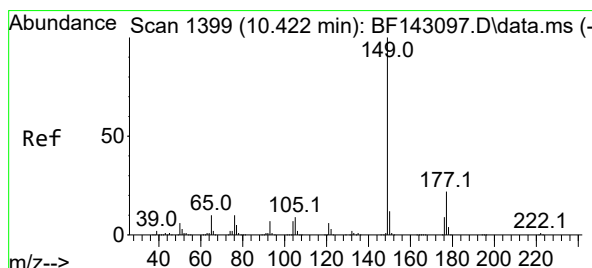
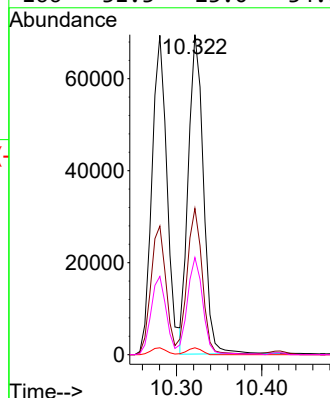
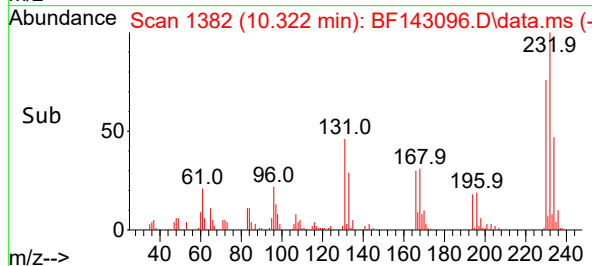
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:232 Resp: 85620
Ion Ratio Lower Upper
232 100
131 46.3 36.9 55.3
130 2.1 1.8 2.8
166 31.3 23.0 34.6

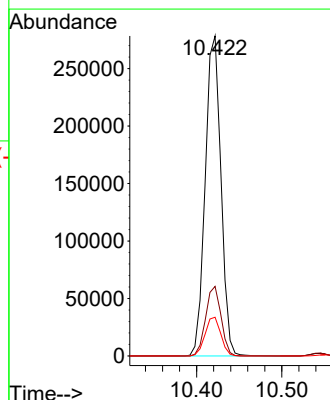
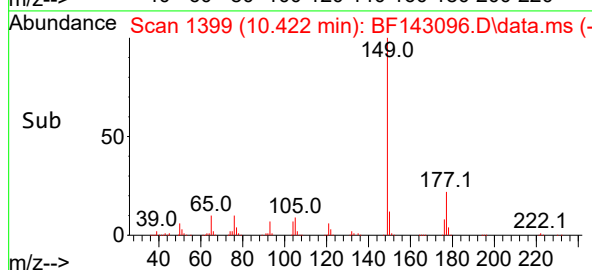
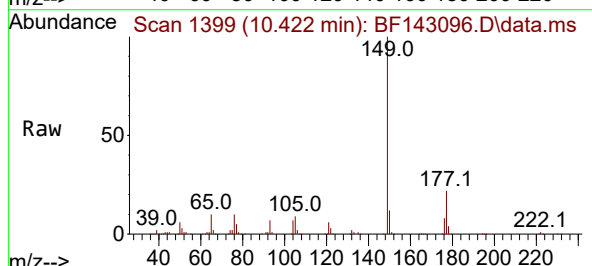
Manual Integrations
APPROVED

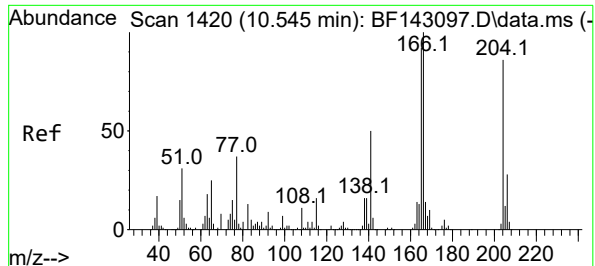
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#60
Diethylphthalate
Concen: 20.710 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

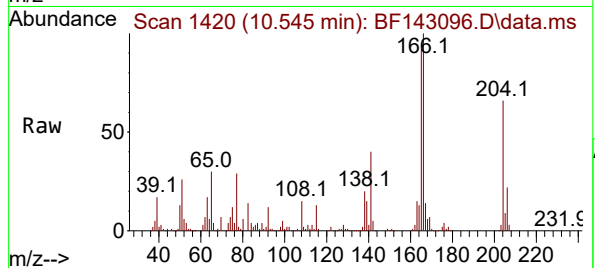
Tgt Ion:149 Resp: 356111
Ion Ratio Lower Upper
149 100
177 21.7 17.3 25.9
150 12.1 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 20.436 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

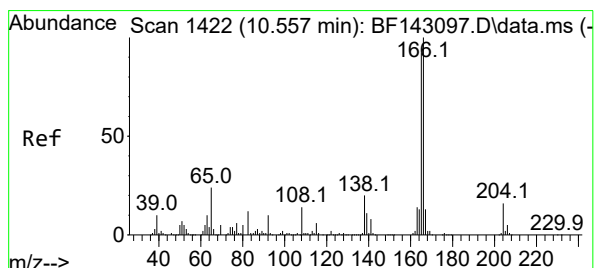
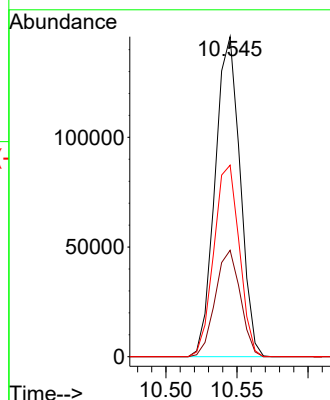
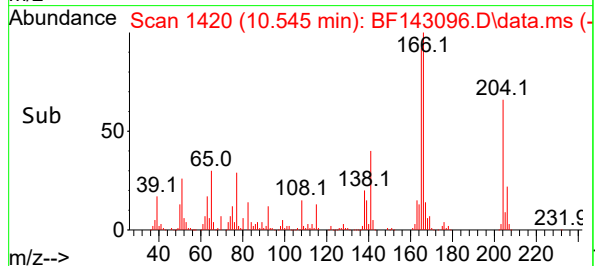
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



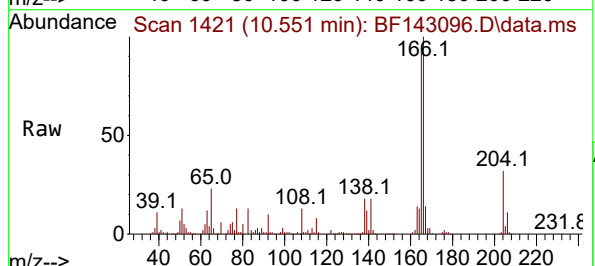
Tgt Ion:204 Resp: 17864
Ion Ratio Lower Upper
204 100
206 33.3 25.8 38.6
141 59.8 46.8 70.2

Manual Integrations
APPROVED

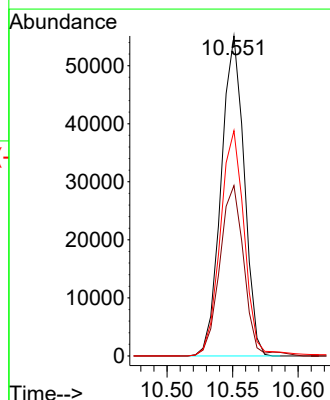
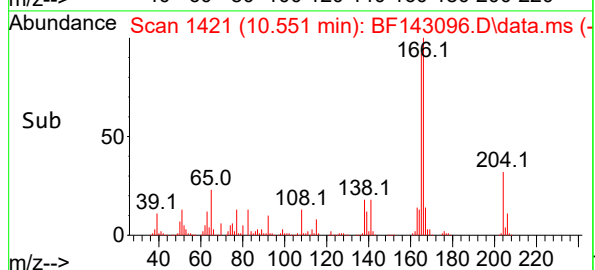
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

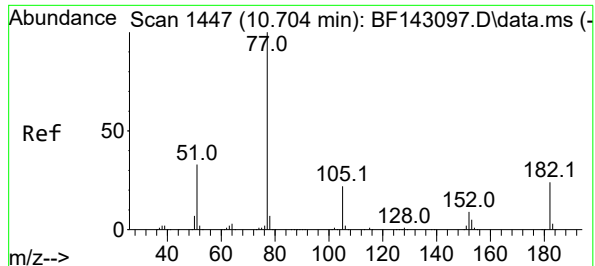


#62
4-Nitroaniline
Concen: 20.084 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36



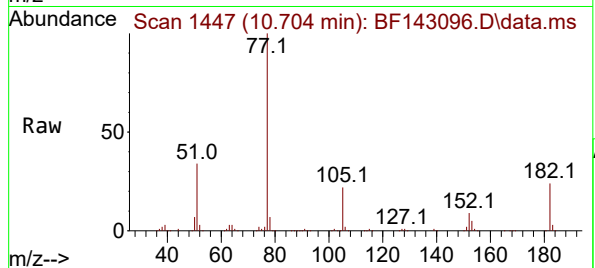
Tgt Ion:138 Resp: 67264
Ion Ratio Lower Upper
138 100
92 53.2 30.4 70.4
108 70.4 49.5 89.5





#63
Azobenzene
Concen: 20.478 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

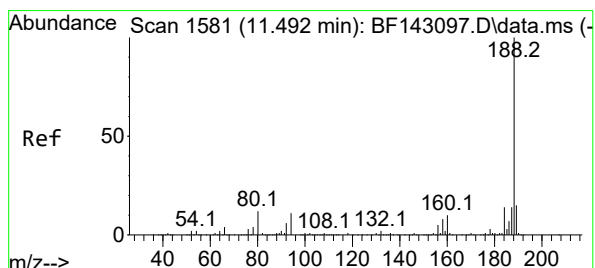
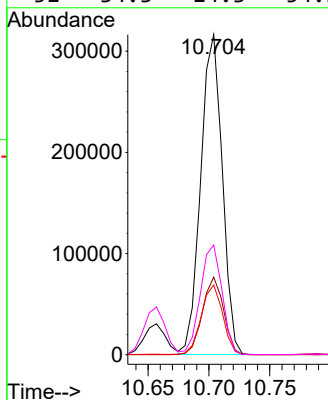
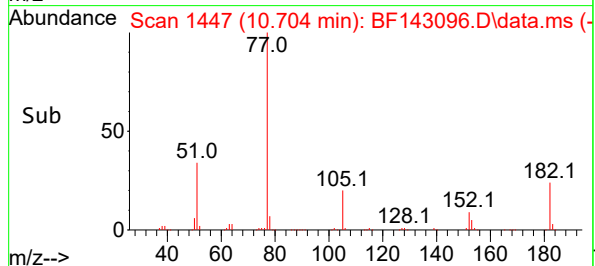
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 389419
Ion Ratio Lower Upper
77 100
182 24.3 4.0 44.0
105 21.8 1.4 41.4
51 34.3 14.3 54.3

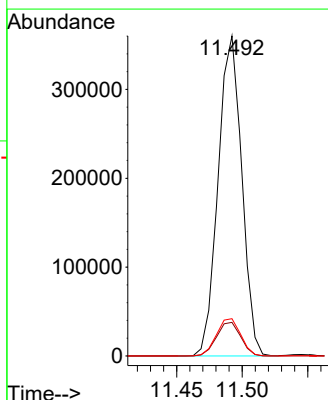
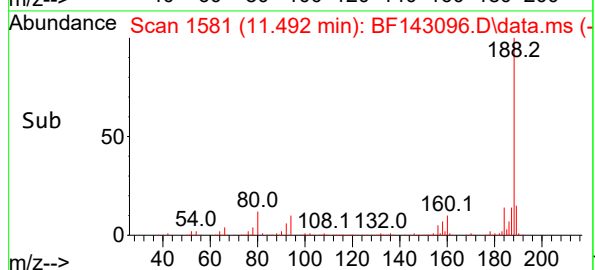
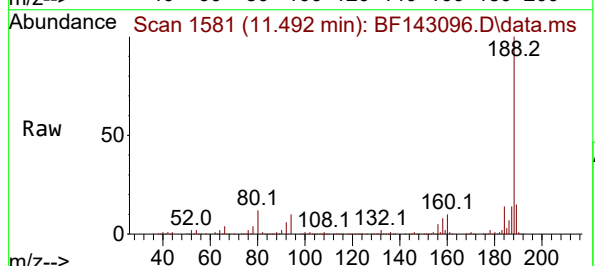
Manual Integrations
APPROVED

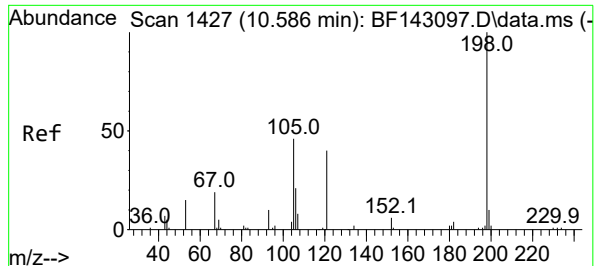
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:188 Resp: 451524
Ion Ratio Lower Upper
188 100
94 10.5 8.6 13.0
80 11.6 9.3 13.9





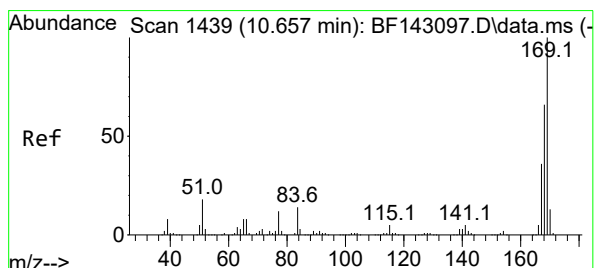
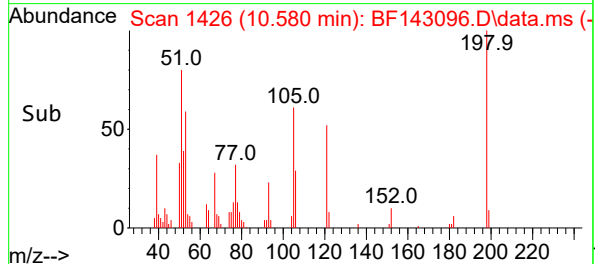
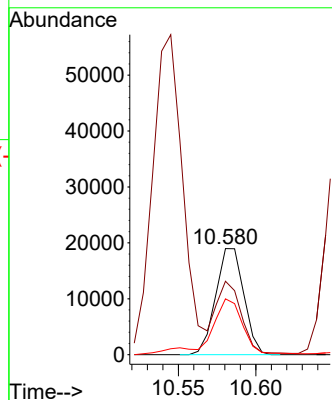
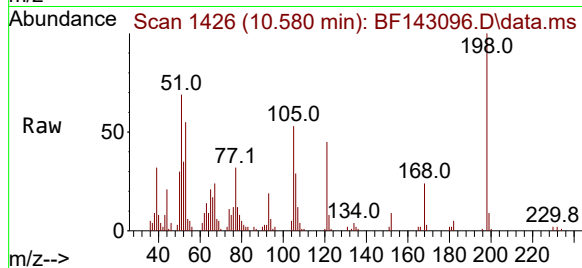
#65
4,6-Dinitro-2-methylphenol
Concen: 19.643 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 2397
Ion Ratio Lower Upper
198 100
51 69.3 44.6 84.6
105 52.7 29.3 69.3

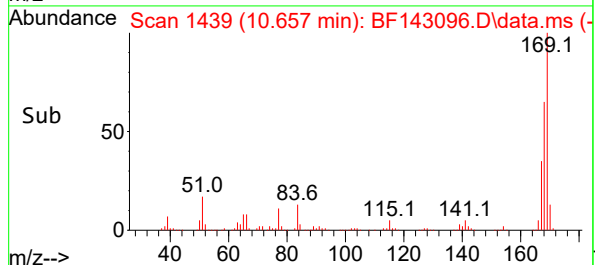
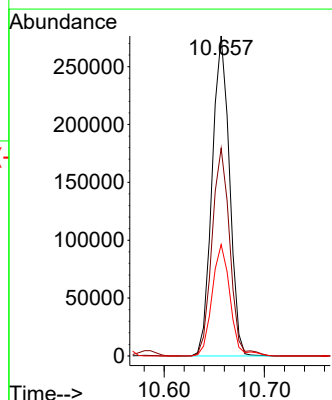
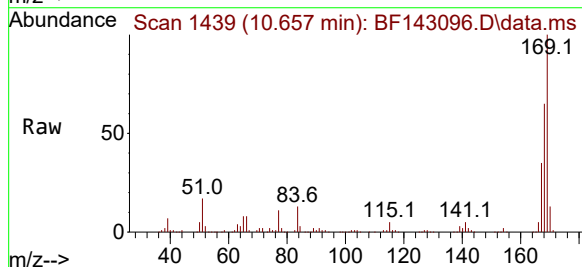
Manual Integrations
APPROVED

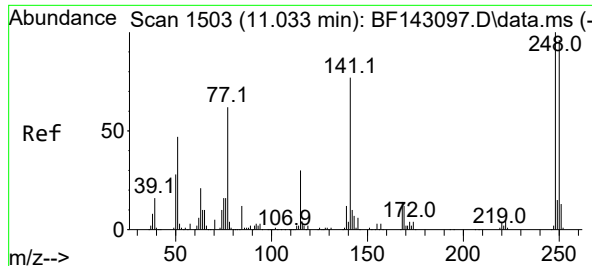
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#66
n-Nitrosodiphenylamine
Concen: 20.948 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

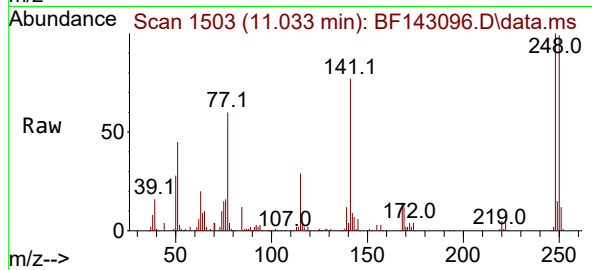
Tgt Ion:169 Resp: 332248
Ion Ratio Lower Upper
169 100
168 64.9 53.0 79.6
167 34.8 28.4 42.6





#67
4-Bromophenyl-phenylether
Concen: 20.535 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

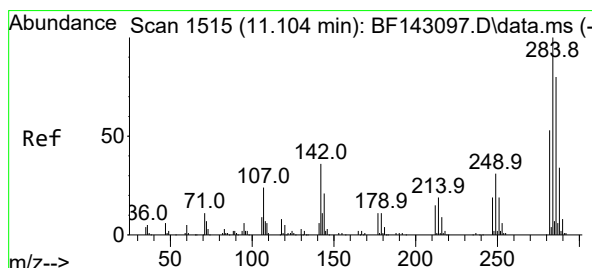
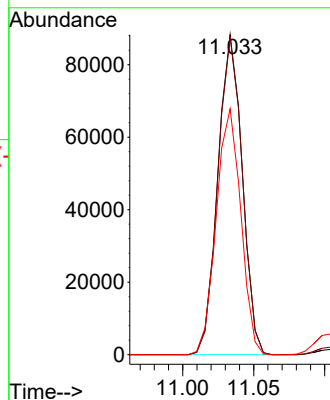
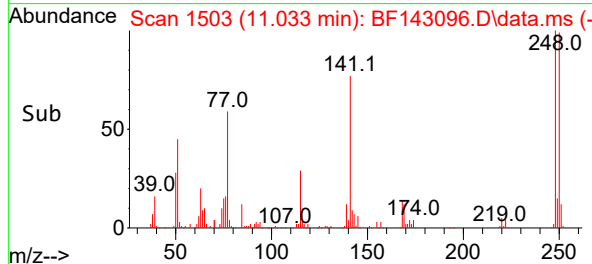
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



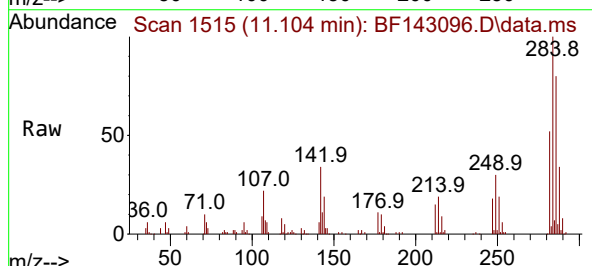
Tgt Ion:248 Resp: 105440
Ion Ratio Lower Upper
248 100
250 99.2 76.7 115.1
141 76.9 61.7 92.5

Manual Integrations
APPROVED

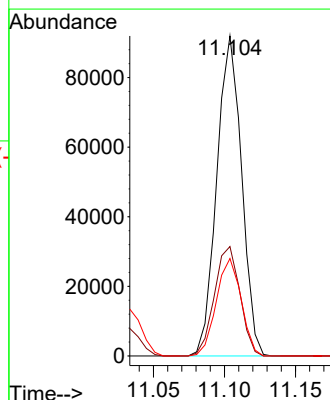
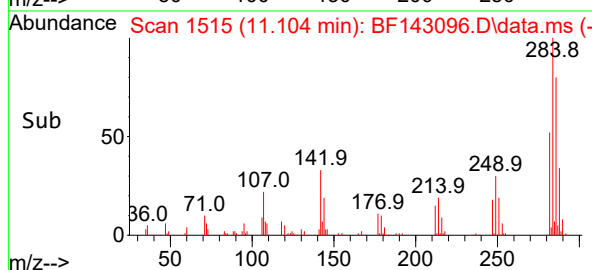
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

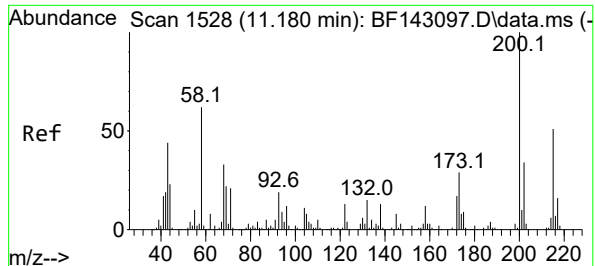


#68
Hexachlorobenzene
Concen: 20.507 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36



Tgt Ion:284 Resp: 111727
Ion Ratio Lower Upper
284 100
142 34.2 28.9 43.3
249 30.4 24.6 37.0





#69

Atrazine

Concen: 20.499 ng

RT: 11.180 min Scan# 1528

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:200 Resp: 8318

Ion Ratio Lower Upper

200 100

173 27.8 9.1 49.1

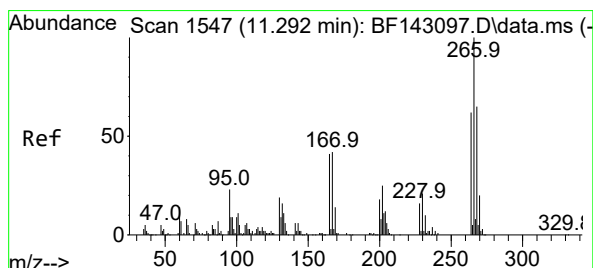
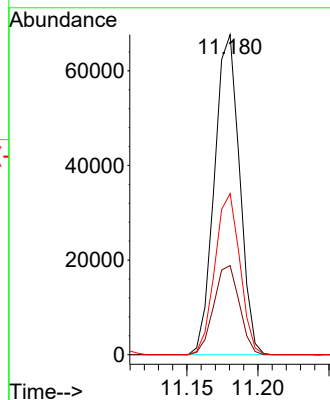
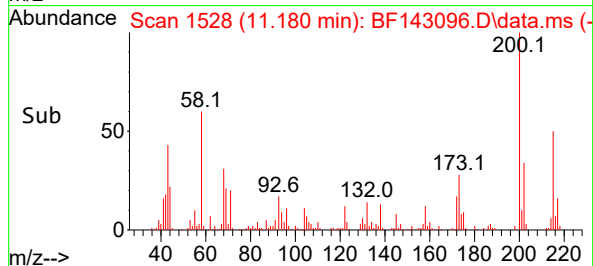
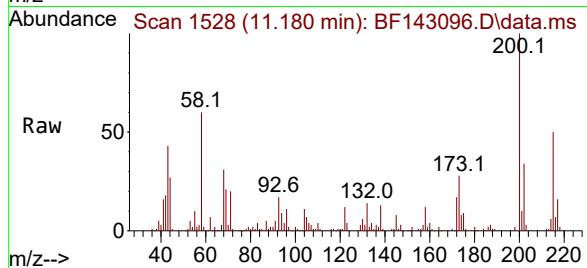
215 50.3 31.0 71.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#70

Pentachlorophenol

Concen: 18.862 ng

RT: 11.292 min Scan# 1547

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

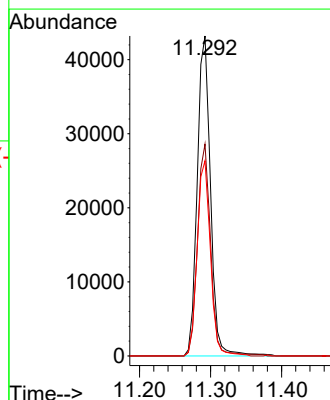
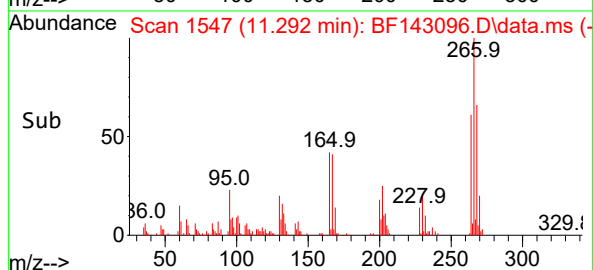
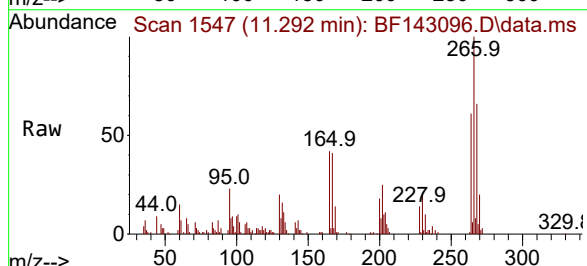
Tgt Ion:266 Resp: 56380

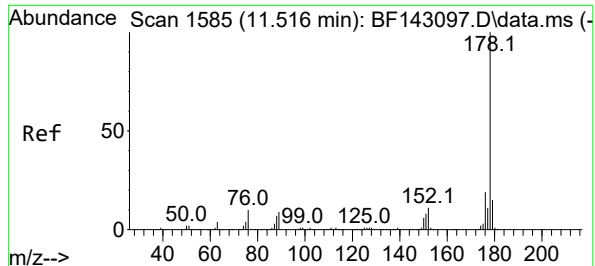
Ion Ratio Lower Upper

266 100

268 66.2 51.8 77.6

264 61.0 49.7 74.5





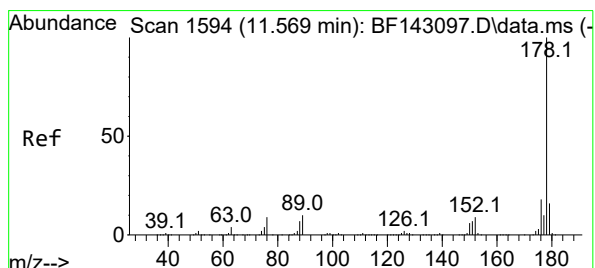
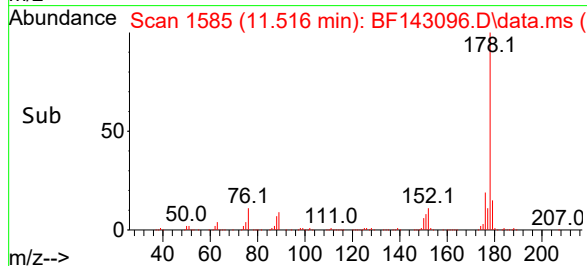
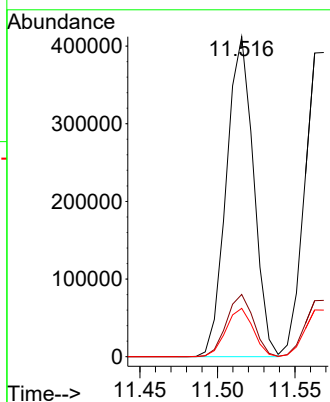
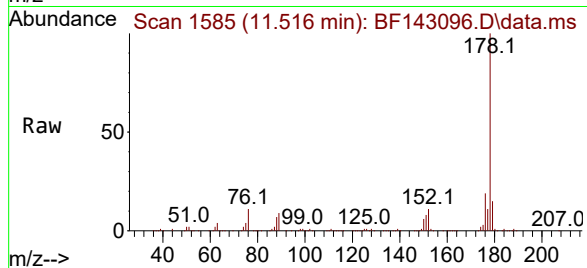
#71
Phenanthrene
Concen: 20.581 ng
RT: 11.516 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 50152
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.1 12.2 18.4

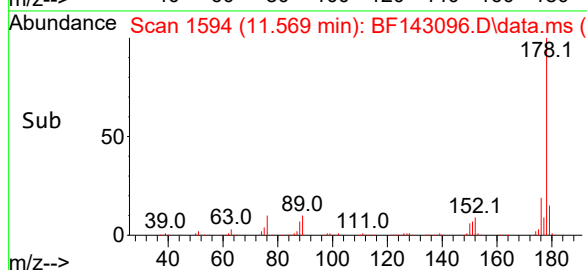
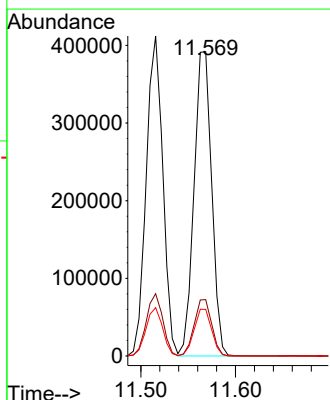
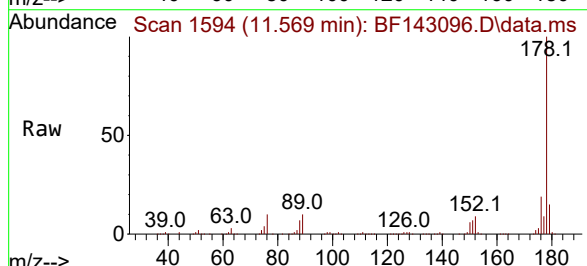
Manual Integrations
APPROVED

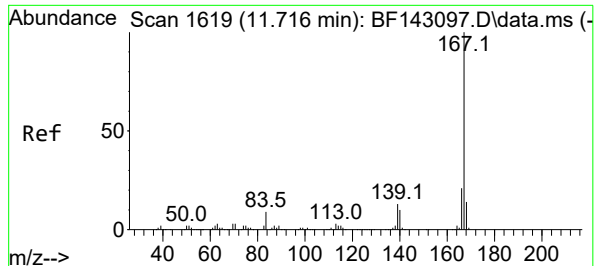
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#72
Anthracene
Concen: 20.752 ng
RT: 11.569 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

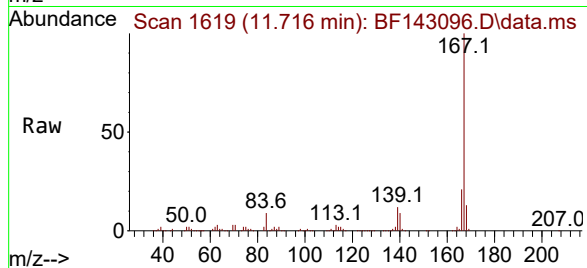
Tgt Ion:178 Resp: 508525
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.3 12.4 18.6





#73
Carbazole
Concen: 20.728 ng
RT: 11.716 min Scan# 1619
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

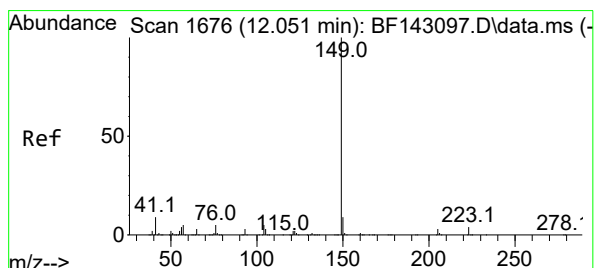
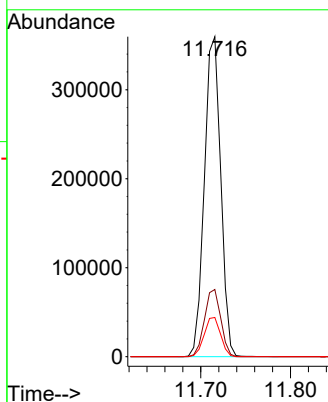
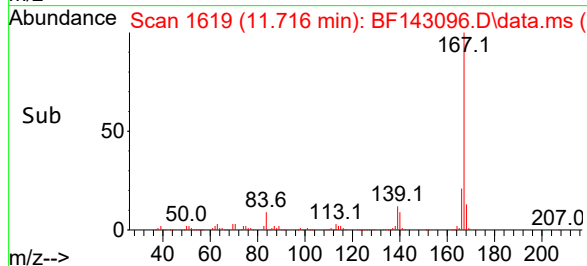
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



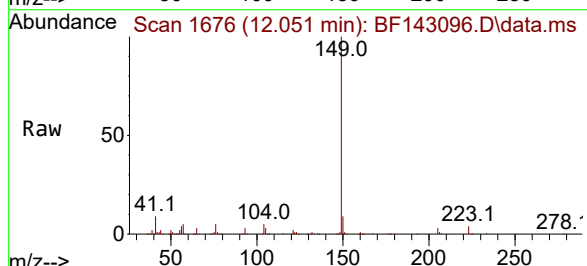
Tgt Ion:167 Resp: 45504
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.3 10.2 15.4

Manual Integrations
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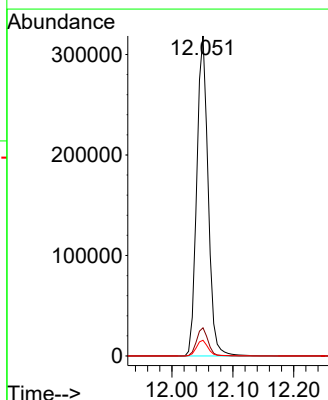
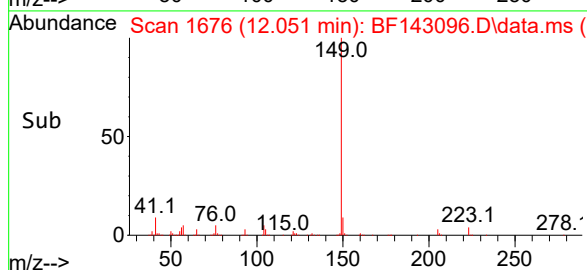
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

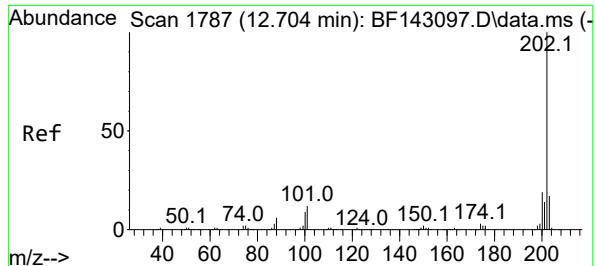


#74
Di-n-butylphthalate
Concen: 20.456 ng
RT: 12.051 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36



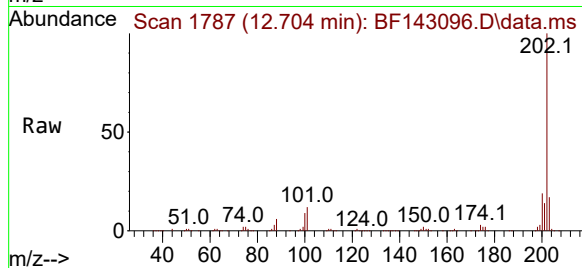
Tgt Ion:149 Resp: 412206
Ion Ratio Lower Upper
149 100
150 8.8 7.3 10.9
104 4.9 3.8 5.8





#75
Fluoranthene
Concen: 20.556 ng
RT: 12.704 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

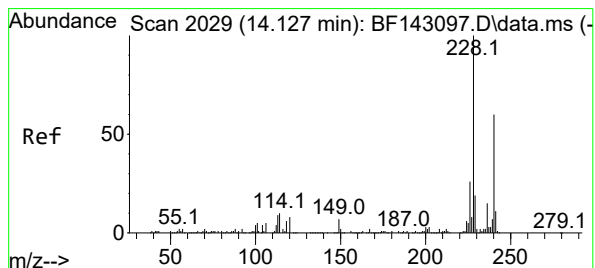
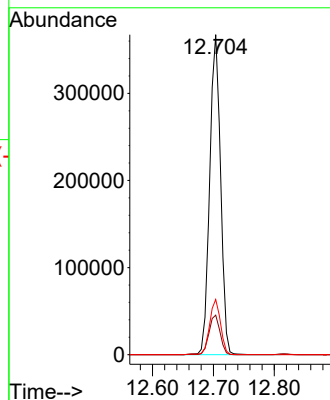
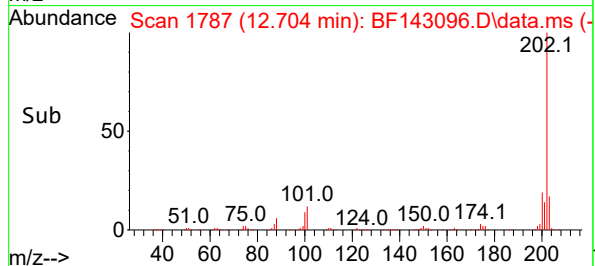
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 45545
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.4
203 17.2 0.0 37.4

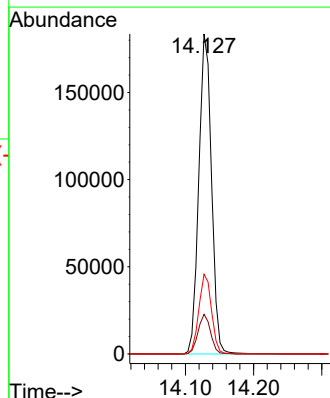
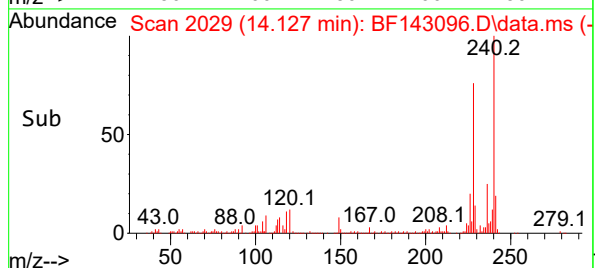
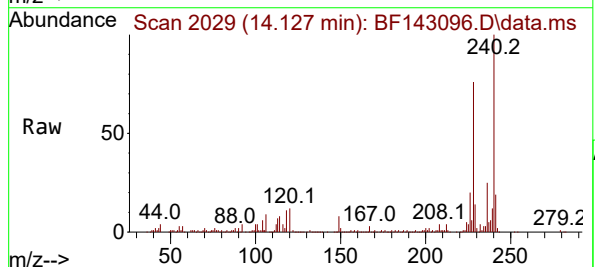
Manual Integrations
APPROVED

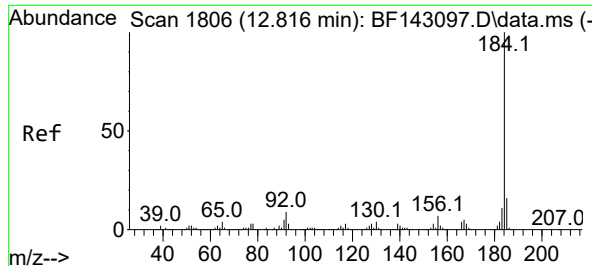
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

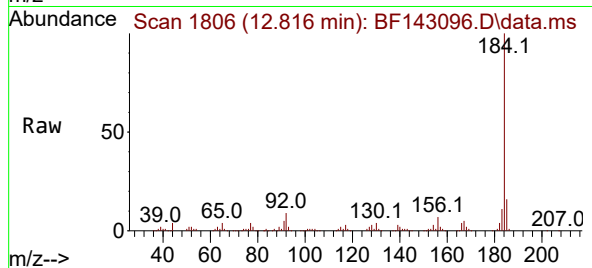
Tgt Ion:240 Resp: 236667
Ion Ratio Lower Upper
240 100
120 12.4 10.0 15.0
236 24.9 20.0 30.0





#77
Benzidine
Concen: 23.083 ng
RT: 12.816 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

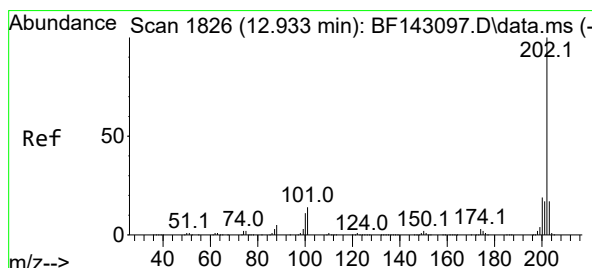
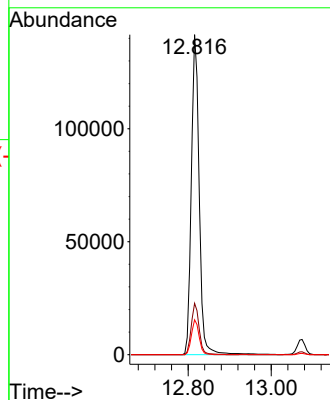
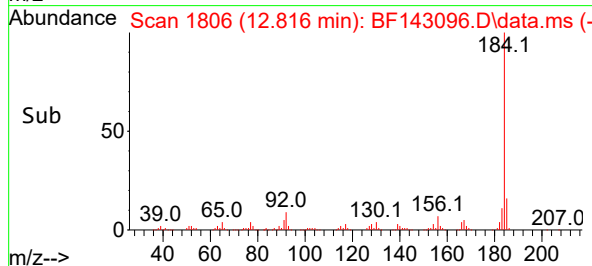
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:184 Resp: 186115
Ion Ratio Lower Upper
184 100
185 16.1 12.4 18.6
183 10.9 8.6 12.8

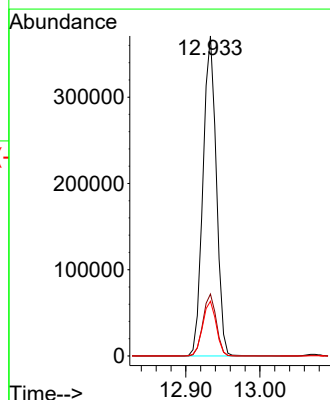
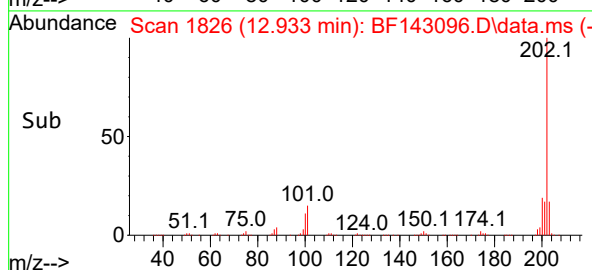
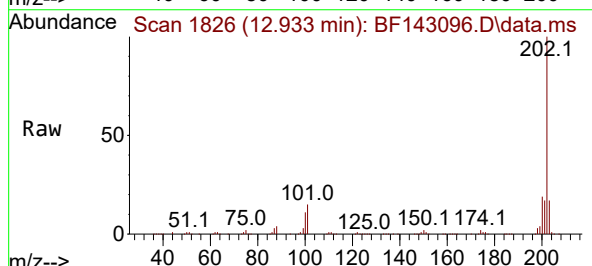
Manual Integrations
APPROVED

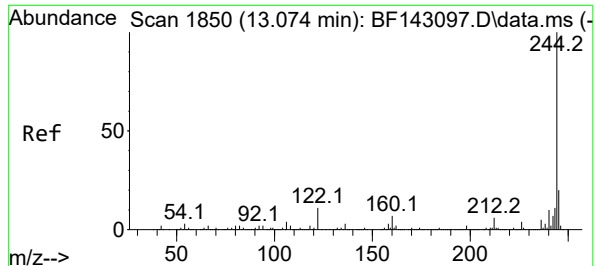
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#78
Pyrene
Concen: 21.072 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

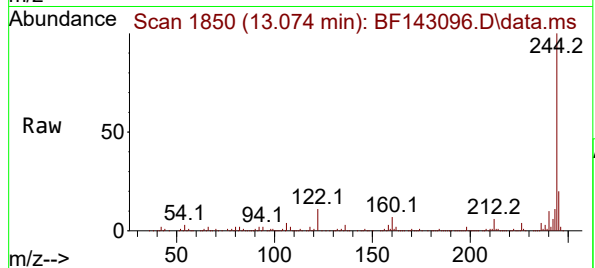
Tgt Ion:202 Resp: 462715
Ion Ratio Lower Upper
202 100
200 19.3 15.5 23.3
203 17.1 14.0 21.0





#79
Terphenyl-d14
Concen: 42.012 ng
RT: 13.074 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

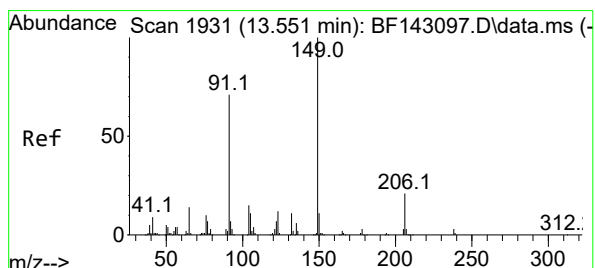
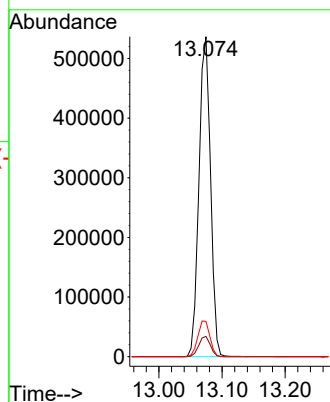
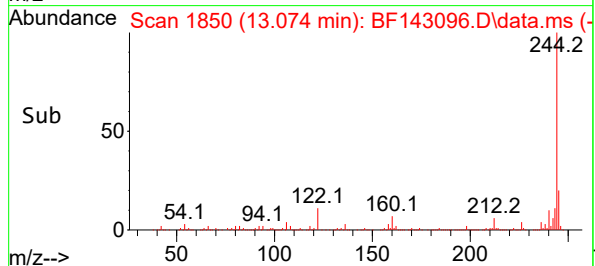
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



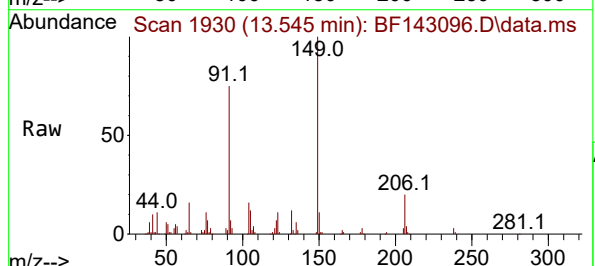
Tgt Ion:244 Resp: 680179
Ion Ratio Lower Upper
244 100
212 6.3 5.2 7.8
122 11.0 8.8 13.2

Manual Integrations
APPROVED

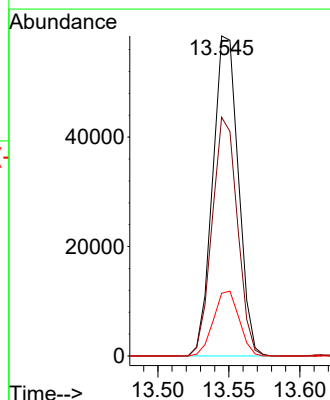
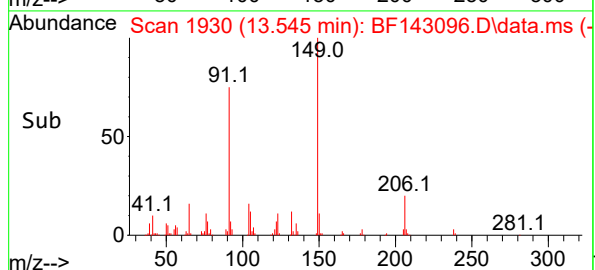
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

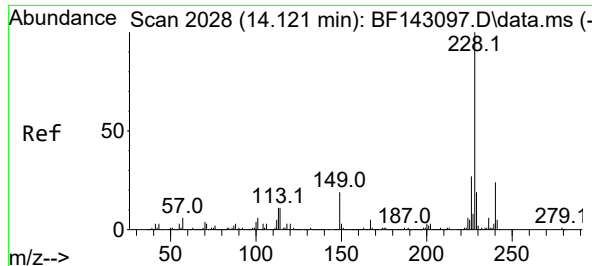


#80
Butylbenzylphthalate
Concen: 18.875 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36



Tgt Ion:149 Resp: 73439
Ion Ratio Lower Upper
149 100
91 74.6 57.0 85.4
206 19.6 17.2 25.8





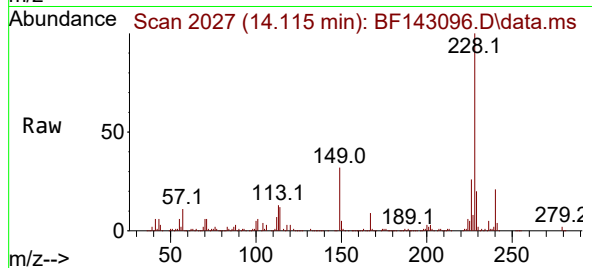
#81
Benzo(a)anthracene
Concen: 21.102 ng
RT: 14.115 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

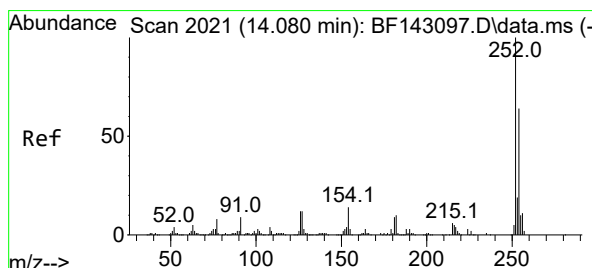
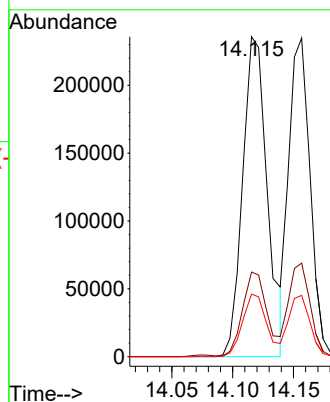
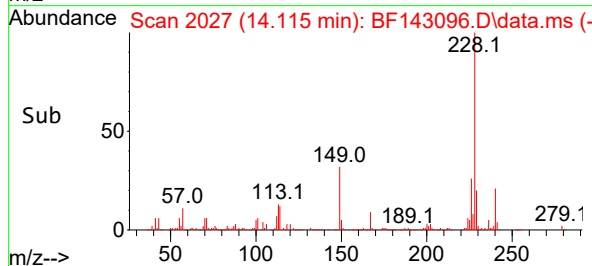


Tgt Ion:228 Resp: 332795
Ion Ratio Lower Upper
228 100
226 26.4 21.3 31.9
229 19.6 15.5 23.3

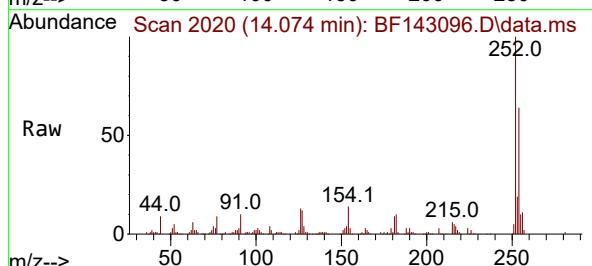
Manual Integrations

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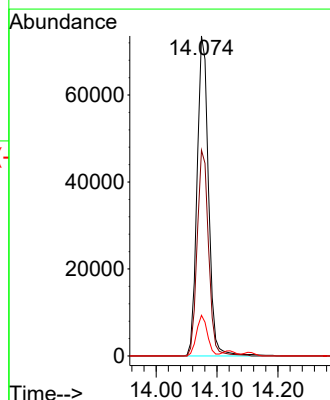
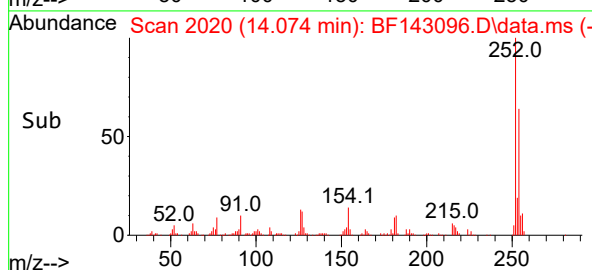
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

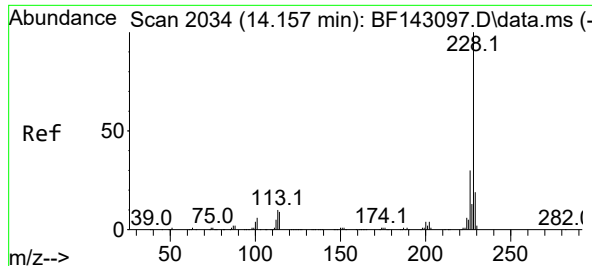


#82
3,3'-Dichlorobenzidine
Concen: 21.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36



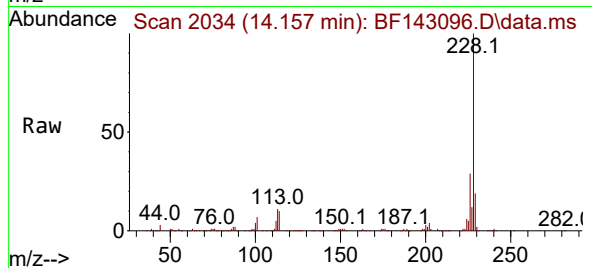
Tgt Ion:252 Resp: 96174
Ion Ratio Lower Upper
252 100
254 64.3 51.5 77.3
126 12.7 9.4 14.0





#83
Chrysene
Concen: 19.732 ng
RT: 14.157 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

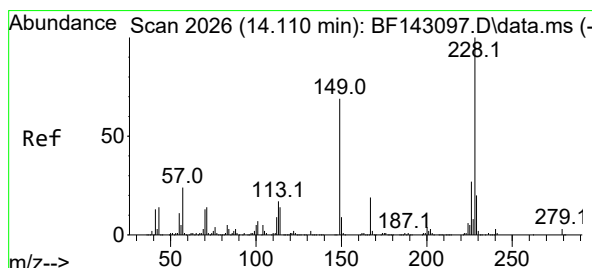
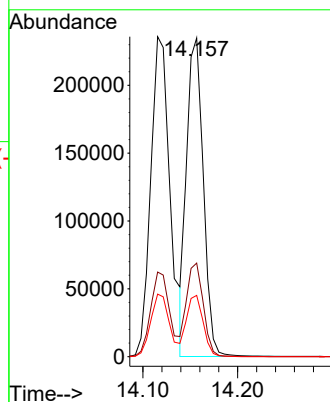
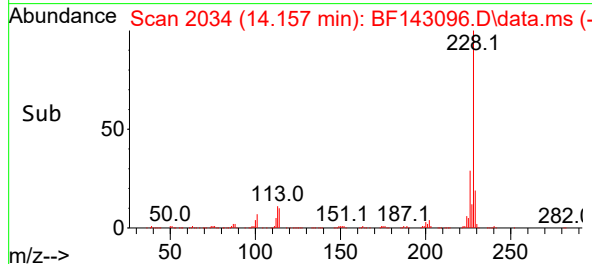
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 286610
Ion Ratio Lower Upper
228 100
226 29.3 23.4 35.2
229 19.2 15.3 22.9

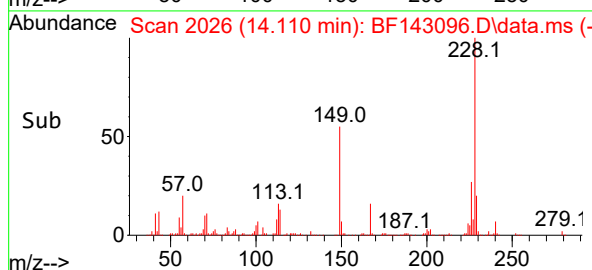
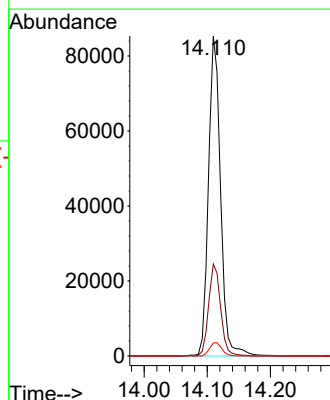
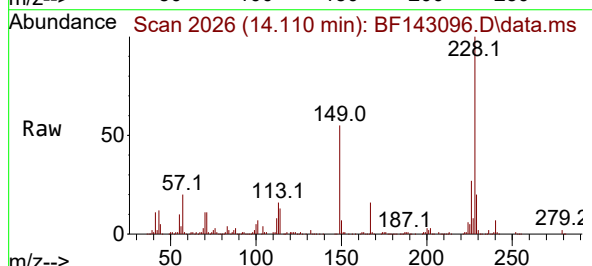
Manual Integrations
APPROVED

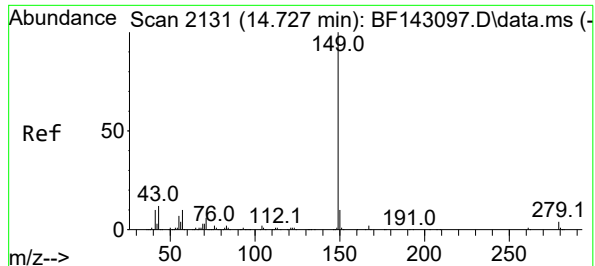
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 19.236 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

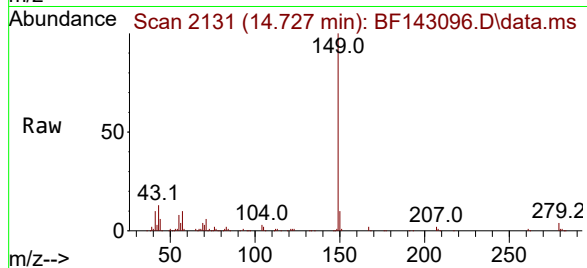
Tgt Ion:149 Resp: 113349
Ion Ratio Lower Upper
149 100
167 28.8 21.9 32.9
279 4.0 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 19.817 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

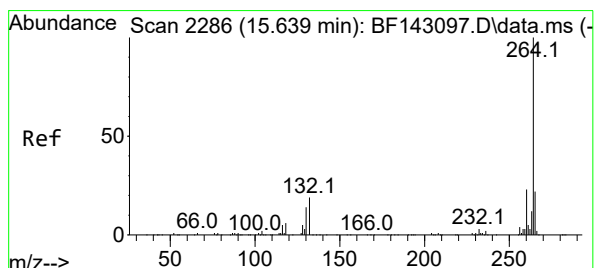
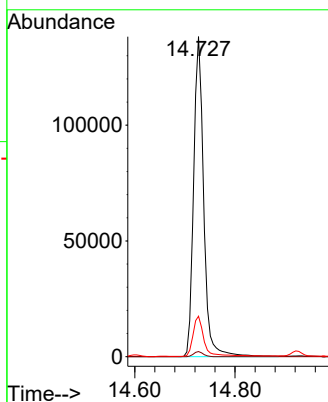
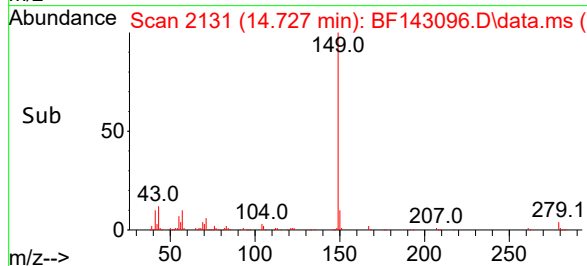
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 192002
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 13.7 10.6 16.0

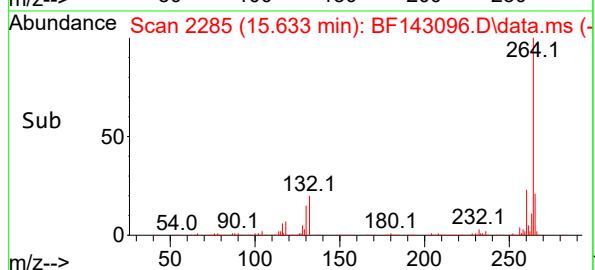
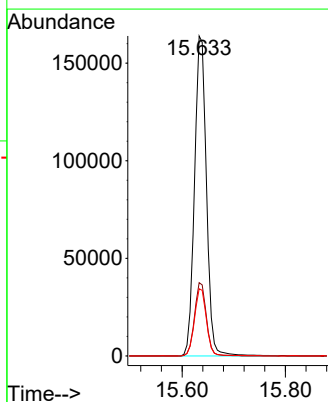
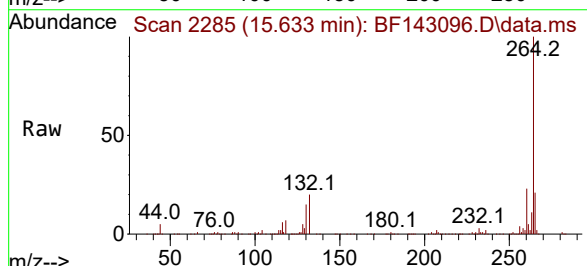
Manual Integrations
APPROVED

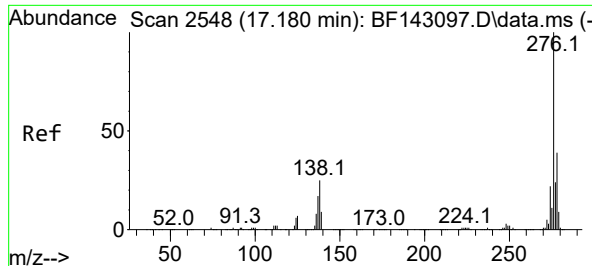
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:264 Resp: 262419
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.0 17.5 26.3





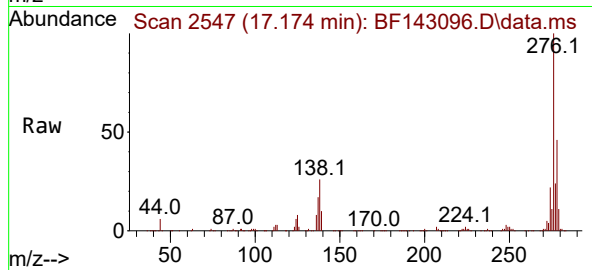
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.516 ng
RT: 17.174 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

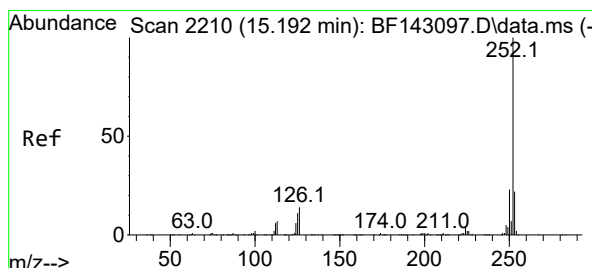
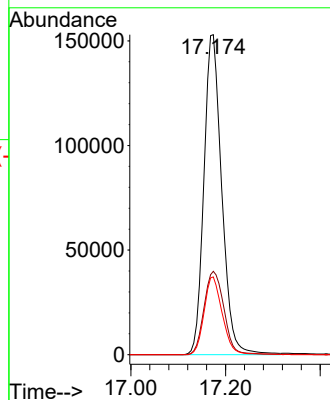
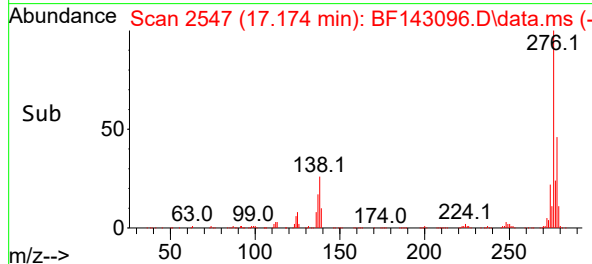


Tgt Ion:276 Resp: 40042
Ion Ratio Lower Upper
276 100
138 29.1 22.6 34.0
277 24.8 20.2 30.2

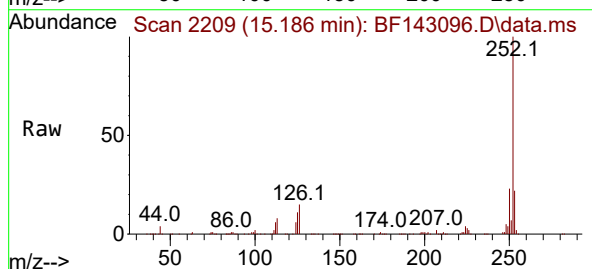
Manual Integrations

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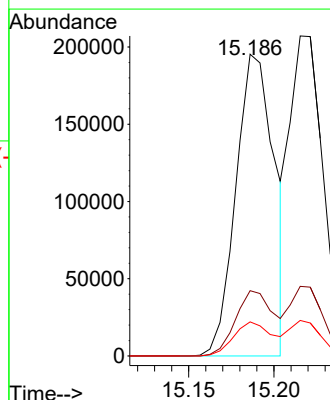
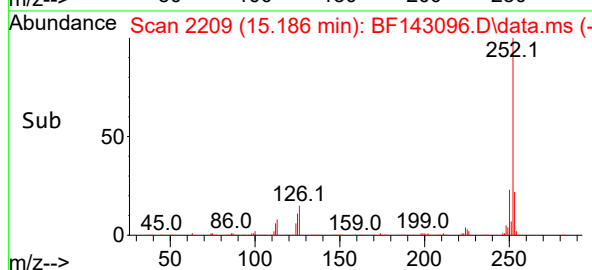
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

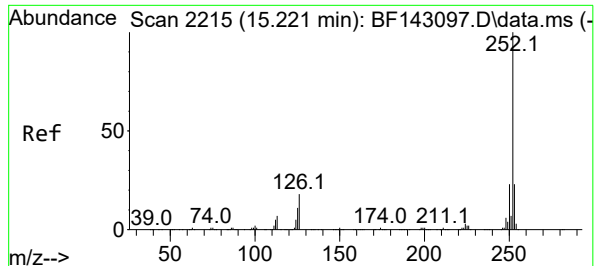


#88
Benzo(b)fluoranthene
Concen: 20.302 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36



Tgt Ion:252 Resp: 307312
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 11.3 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 20.194 ng

RT: 15.215 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 291618

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

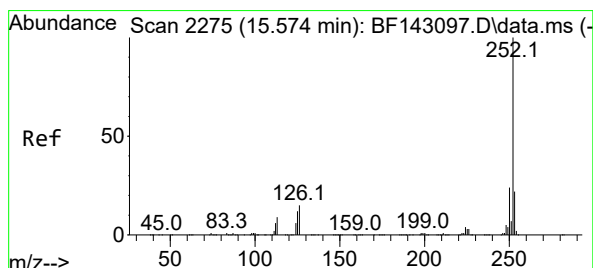
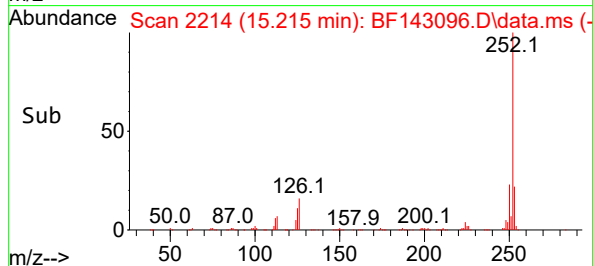
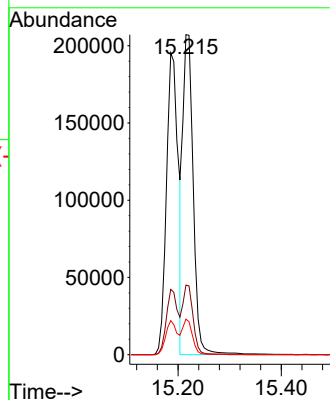
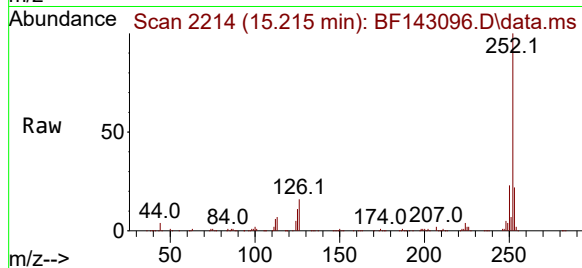
125 11.1 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#90

Benzo(a)pyrene

Concen: 20.313 ng

RT: 15.568 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

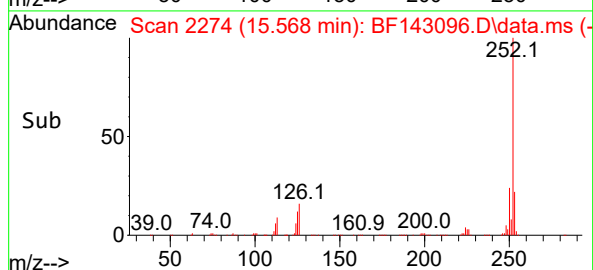
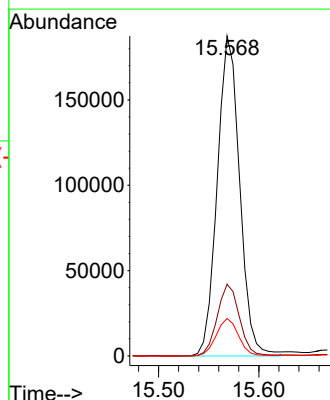
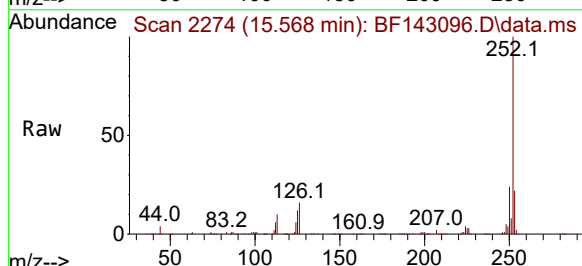
Tgt Ion:252 Resp: 290809

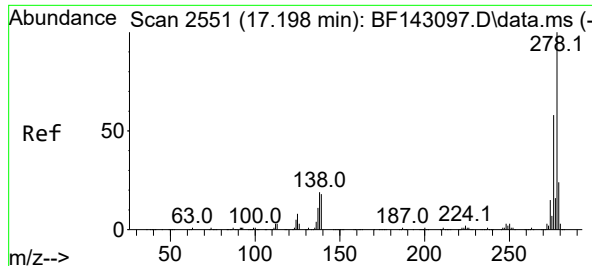
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

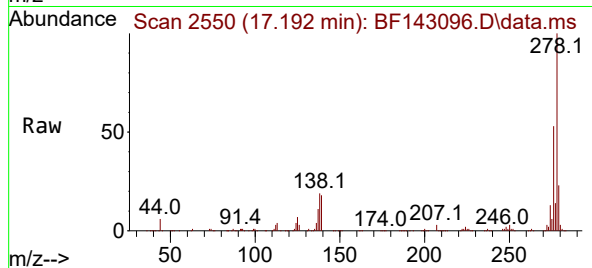
125 11.7 9.4 14.0





#91
Dibenzo(a,h)anthracene
Concen: 20.818 ng
RT: 17.192 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

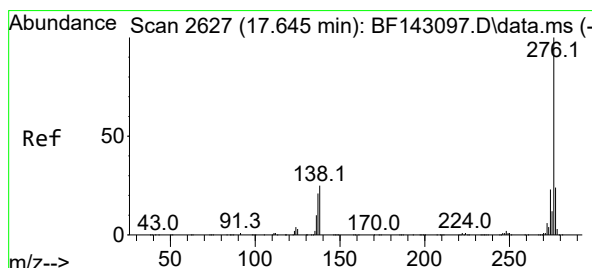
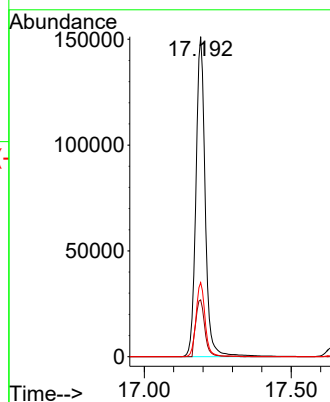
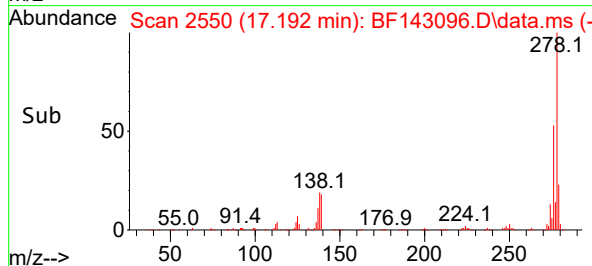
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:278 Resp: 332152
Ion Ratio Lower Upper
278 100
139 17.7 14.6 22.0
279 23.1 18.8 28.2

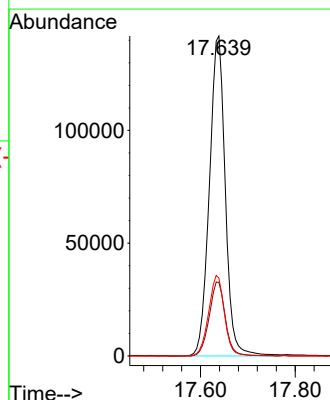
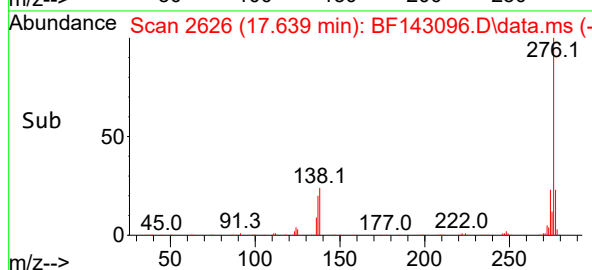
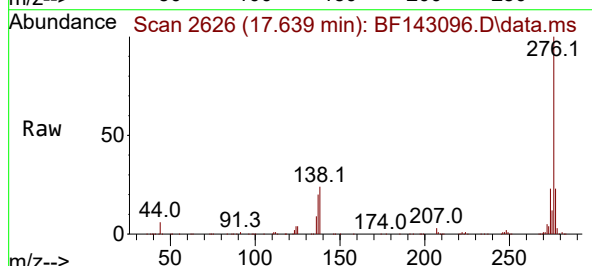
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 20.376 ng
RT: 17.639 min Scan# 2626
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:276 Resp: 331447
Ion Ratio Lower Upper
276 100
277 23.0 19.2 28.8
138 24.3 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143097.D
 Acq On : 15 Jul 2025 15:05
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:40:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	123440	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	466428	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	227730	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	369241	20.000	ng	0.00
76) Chrysene-d12	14.127	240	192349	20.000	ng	0.00
86) Perylene-d12	15.639	264	226517	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	619840	79.335	ng	0.00
7) Phenol-d6	6.587	99	772641	78.673	ng	0.00
23) Nitrobenzene-d5	7.528	82	694498m	83.526	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	170969	84.198	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1326482	77.428	ng	0.00
79) Terphenyl-d14	13.074	244	1033540	78.547	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	154739	39.787	ng	100
3) Pyridine	3.581	79	393514	39.957	ng	100
4) n-Nitrosodimethylamine	3.522	42	201552	39.500	ng	100
6) Aniline	6.628	93	544405	39.365	ng	100
8) 2-Chlorophenol	6.751	128	314192	40.025	ng	100
9) Benzaldehyde	6.516	77	358216	47.869	ng	100
10) Phenol	6.598	94	421819m	39.676	ng	
11) bis(2-Chloroethyl)ether	6.698	93	323129	39.260	ng	100
12) 1,3-Dichlorobenzene	6.910	146	349154	39.371	ng	100
13) 1,4-Dichlorobenzene	6.987	146	348706	39.084	ng	100
14) 1,2-Dichlorobenzene	7.140	146	336818	39.587	ng	100
15) Benzyl Alcohol	7.098	79	288056	39.585	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.239	45	593735	39.134	ng	100
17) 2-Methylphenol	7.204	107	267472	39.484	ng	100
18) Hexachloroethane	7.487	117	116640	40.159	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	237958	39.549	ng	100
20) 3+4-Methylphenols	7.363	107	334719	40.291	ng	100
22) Acetophenone	7.375	105	437447	38.906	ng	100
24) Nitrobenzene	7.545	77	332013	41.364	ng	100
25) Isophorone	7.787	82	632327	39.346	ng	100
26) 2-Nitrophenol	7.863	139	112314	36.079	ng	100
27) 2,4-Dimethylphenol	7.892	122	298241	39.984	ng	100
28) bis(2-Chloroethoxy)met...	7.992	93	381576	39.155	ng	100
29) 2,4-Dichlorophenol	8.098	162	248676	40.752	ng	100
30) 1,2,4-Trichlorobenzene	8.192	180	274944	39.701	ng	100
31) Naphthalene	8.275	128	900967	38.898	ng	100
32) Benzoic acid	7.987	122	133968m	37.684	ng	
33) 4-Chloroaniline	8.310	127	371249	39.858	ng	100
34) Hexachlorobutadiene	8.392	225	165576	39.978	ng	100
35) Caprolactam	8.669	113	77472	40.657	ng	100
36) 4-Chloro-3-methylphenol	8.786	107	272885	40.145	ng	100
37) 2-Methylnaphthalene	8.963	142	540844	39.141	ng	100
38) 1-Methylnaphthalene	9.063	142	562696	39.263	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	263160	39.653	ng	100
41) Hexachlorocyclopentadiene	9.122	237	147221	40.011	ng	100
43) 2,4,6-Trichlorophenol	9.233	196	171419	41.569	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143097.D
 Acq On : 15 Jul 2025 15:05
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:40:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

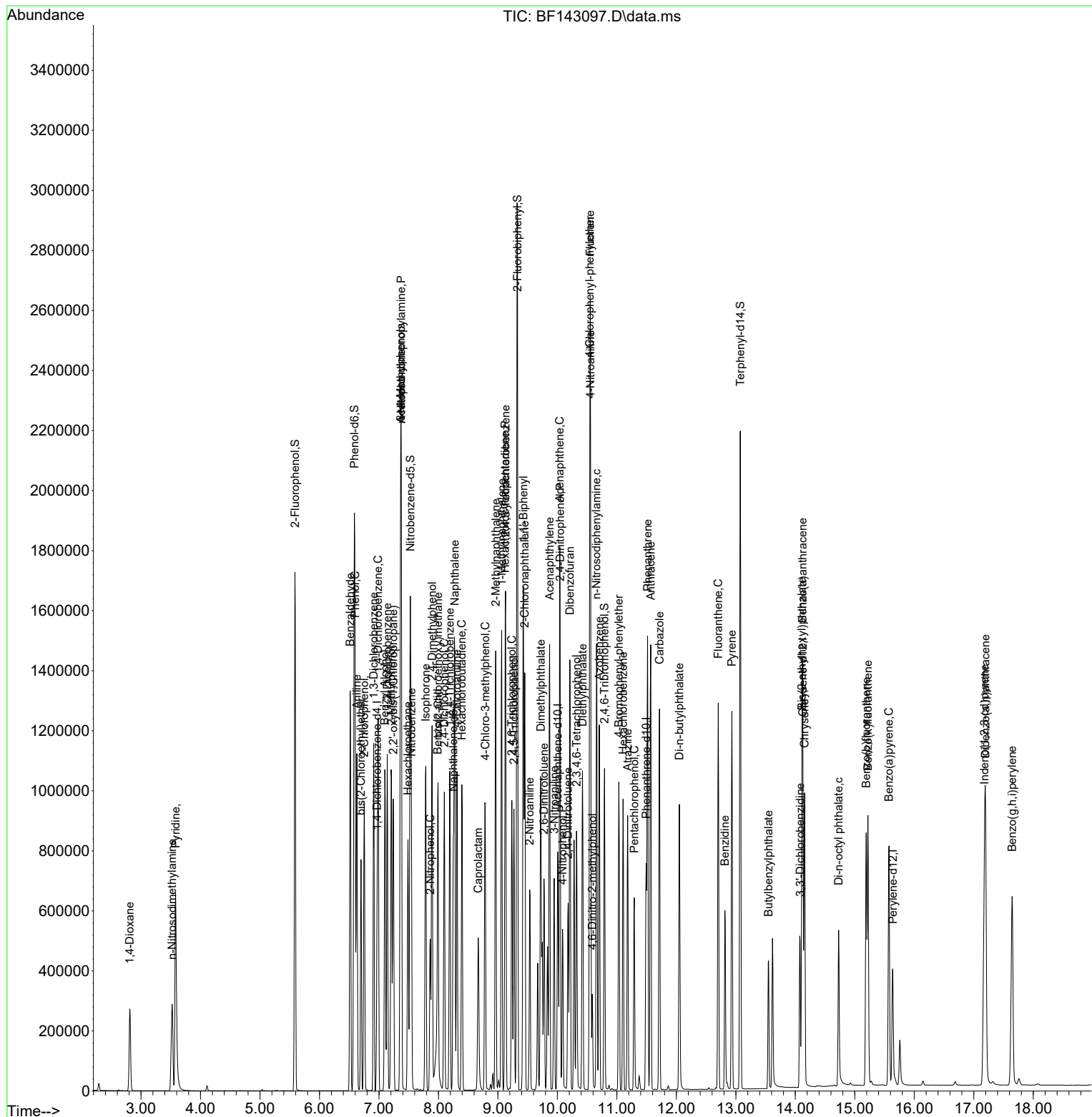
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	179101	41.422	ng	100
46) 1,1'-Biphenyl	9.428	154	713513	39.288	ng	100
47) 2-Chloronaphthalene	9.451	162	527800	39.561	ng	100
48) 2-Nitroaniline	9.533	65	149322	38.182	ng	100
49) Acenaphthylene	9.869	152	892054	40.126	ng	100
50) Dimethylphthalate	9.722	163	572658	39.971	ng	100
51) 2,6-Dinitrotoluene	9.775	165	106468	38.213	ng	100
52) Acenaphthene	10.039	154	513370	39.131	ng	100
53) 3-Nitroaniline	9.945	138	130953	42.301	ng	100
54) 2,4-Dinitrophenol	10.045	184	31236	37.582	ng	100
55) Dibenzofuran	10.210	168	772862	39.524	ng	100
56) 4-Nitrophenol	10.086	139	101948	41.436	ng	100
57) 2,4-Dinitrotoluene	10.180	165	134243	38.682	ng	100
58) Fluorene	10.551	166	567511	38.710	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	142027	41.334	ng	100
60) Diethylphthalate	10.422	149	557712	40.349	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	279817	39.822	ng	100
62) 4-Nitroaniline	10.557	138	113355	42.106	ng	100
63) Azobenzene	10.704	77	604710	39.558	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	47349	37.223	ng	100
66) n-Nitrosodiphenylamine	10.657	169	503590	38.827	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	164133	39.088	ng	100
68) Hexachlorobenzene	11.104	284	173911	39.034	ng	100
69) Atrazine	11.180	200	133416	40.206	ng	100
70) Pentachlorophenol	11.292	266	97625	39.938	ng	100
71) Phenanthrene	11.516	178	769372	38.609	ng	100
72) Anthracene	11.569	178	780754	38.961	ng	100
73) Carbazole	11.716	167	692468	38.572	ng	100
74) Di-n-butylphthalate	12.051	149	680394	41.288	ng	100
75) Fluoranthene	12.704	202	708736	39.115	ng	100
77) Benzidine	12.816	184	321029	48.989	ng	100
78) Pyrene	12.933	202	708631	39.706	ng	100
80) Butylbenzylphthalate	13.551	149	132061	37.625	ng	100
81) Benzo(a)anthracene	14.121	228	518137	40.424	ng	100
82) 3,3'-Dichlorobenzidine	14.080	252	148294	39.841	ng	100
83) Chrysene	14.157	228	461979	39.134	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	198176	37.454	ng	100
85) Di-n-octyl phthalate	14.727	149	354747	36.531	ng	100
87) Indeno(1,2,3-cd)pyrene	17.180	276	689277	40.912	ng	100
88) Benzo(b)fluoranthene	15.192	252	490240	37.520	ng	100
89) Benzo(k)fluoranthene	15.221	252	520058	41.721	ng	100
90) Benzo(a)pyrene	15.574	252	509307	41.215	ng	100
91) Dibenzo(a,h)anthracene	17.198	278	561661	40.782	ng	100
92) Benzo(g,h,i)perylene	17.645	276	569850	40.584	ng	100

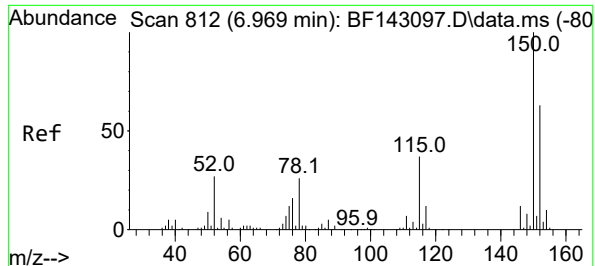
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Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

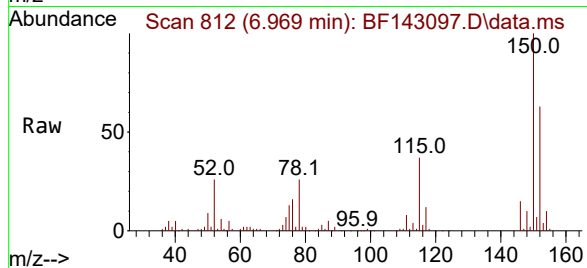
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jaagrut Upadhyay 07/16/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

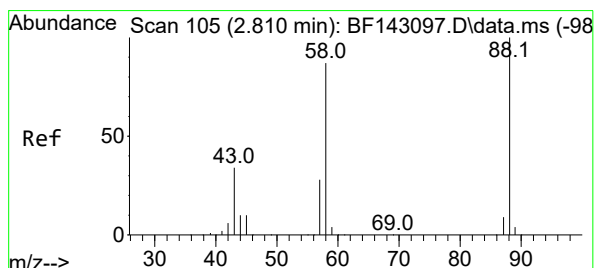
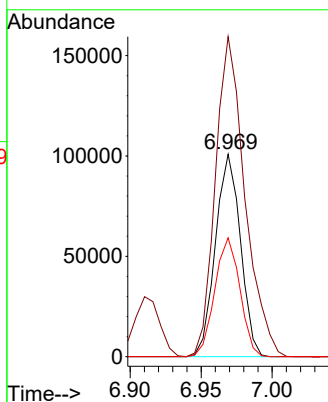
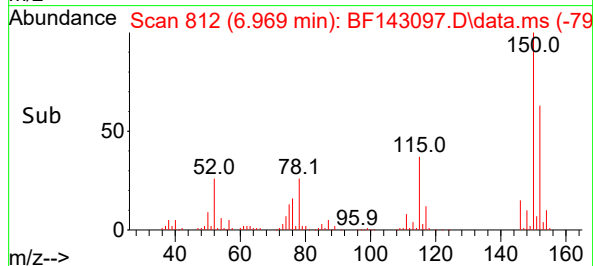
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:152 Resp: 123440
Ion Ratio Lower Upper
152 100
150 158.1 126.5 189.7
115 58.8 47.0 70.6

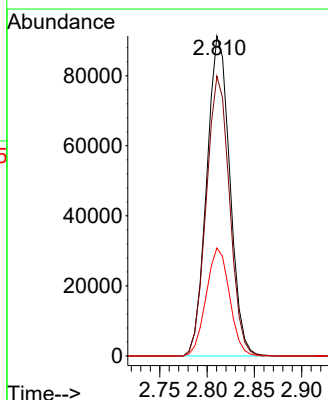
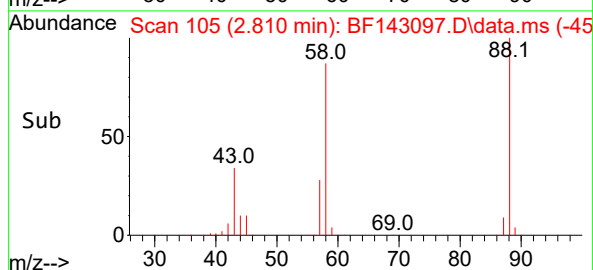
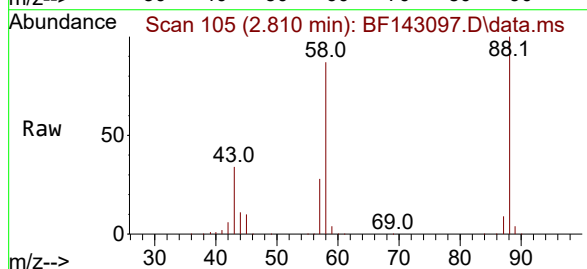
Manual Integrations
APPROVED

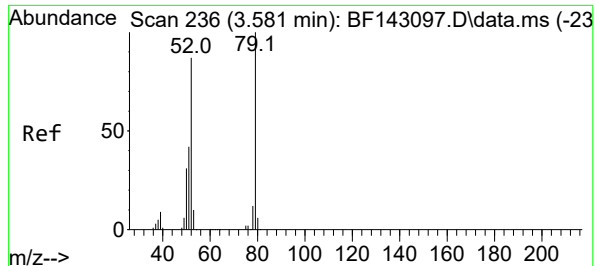
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#2
1,4-Dioxane
Concen: 39.787 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 88 Resp: 154739
Ion Ratio Lower Upper
88 100
58 88.1 70.5 105.7
43 34.1 27.3 40.9





#3

Pyridine

Concen: 39.957 ng

RT: 3.581 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 393514

Ion Ratio Lower Upper

79 100

52 86.5 69.2 103.8

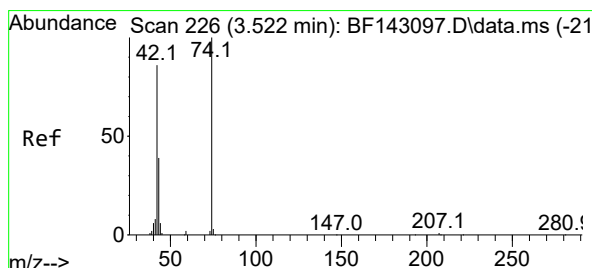
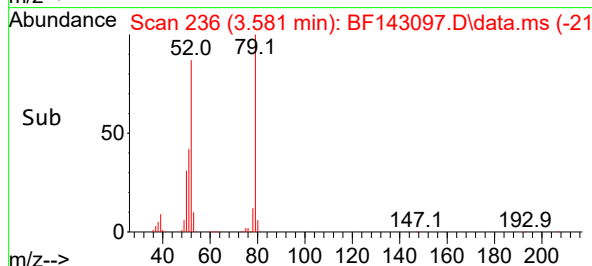
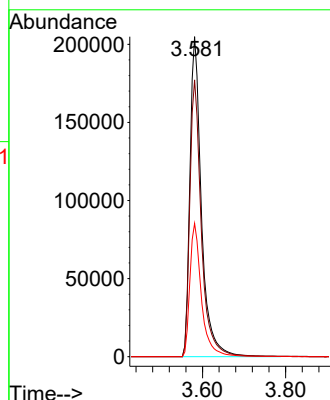
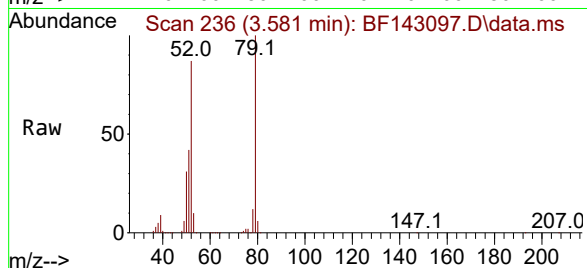
51 41.6 33.3 49.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#4

n-Nitrosodimethylamine

Concen: 39.500 ng

RT: 3.522 min Scan# 226

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

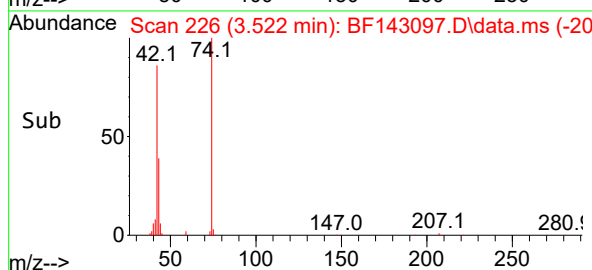
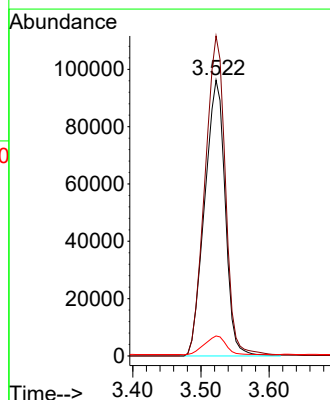
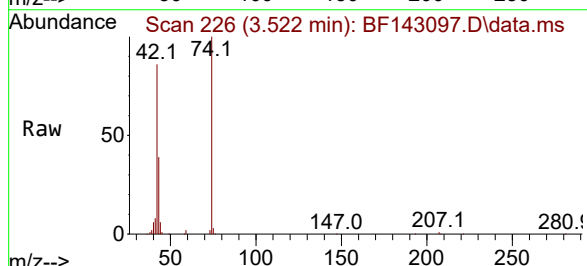
Tgt Ion: 42 Resp: 201552

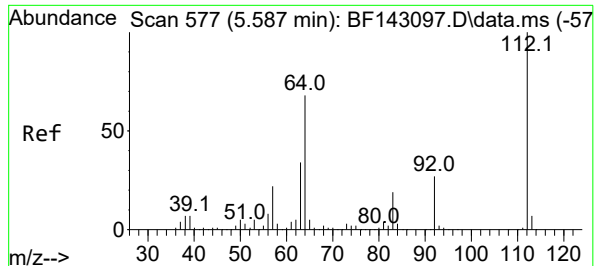
Ion Ratio Lower Upper

42 100

74 116.0 92.8 139.2

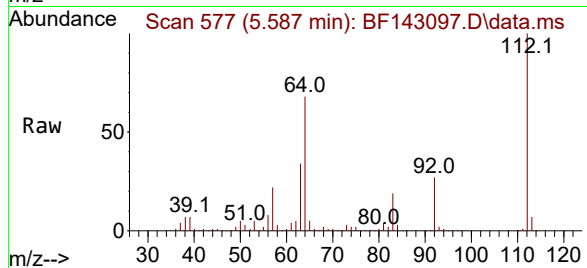
44 7.2 5.8 8.6





#5
2-Fluorophenol
Concen: 79.335 ng
RT: 5.587 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

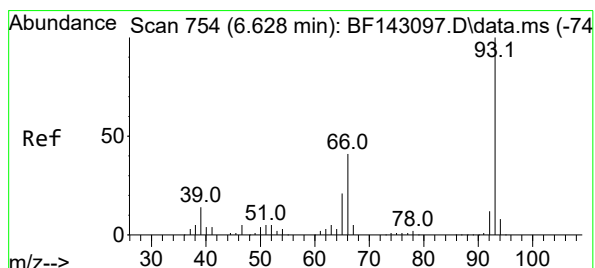
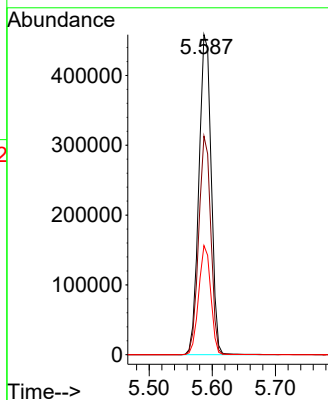
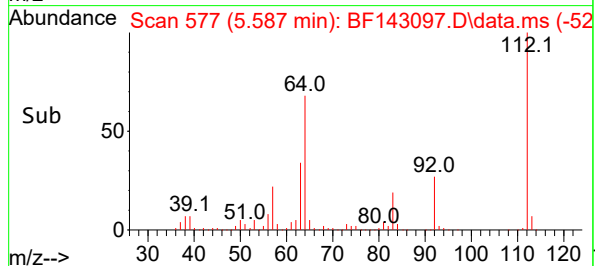
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:112 Resp: 619840
Ion Ratio Lower Upper
112 100
64 68.3 54.6 82.0
63 34.1 27.3 40.9

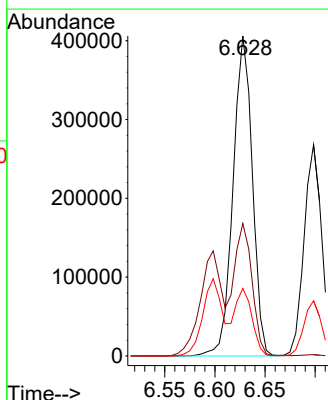
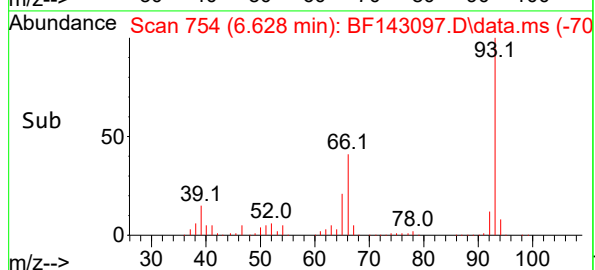
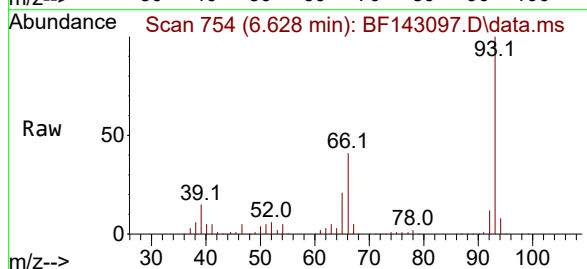
Manual Integrations
APPROVED

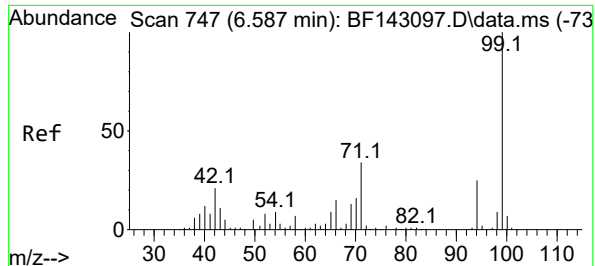
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#6
Aniline
Concen: 39.365 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 93 Resp: 544405
Ion Ratio Lower Upper
93 100
66 41.4 33.1 49.7
65 21.1 16.9 25.3





#7

Phenol-d6

Concen: 78.673 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 77264

Ion Ratio Lower Upper

99 100

42 21.5 17.2 25.8

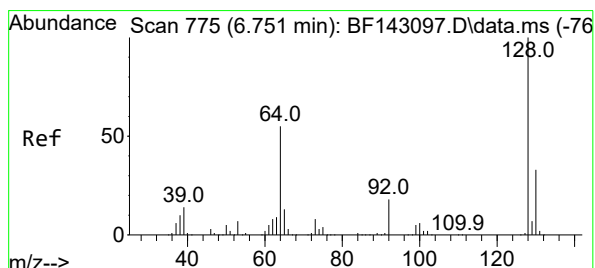
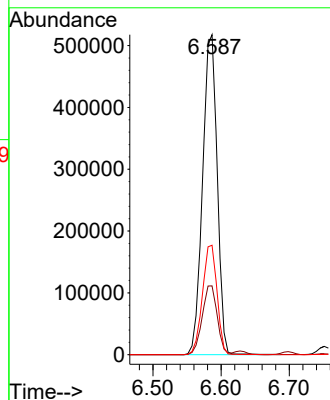
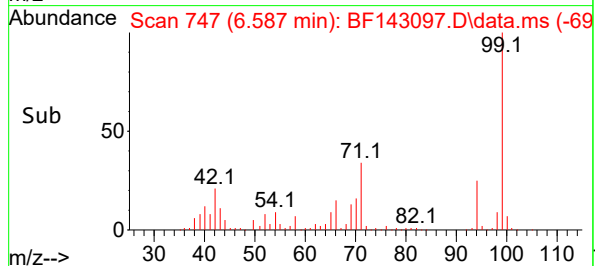
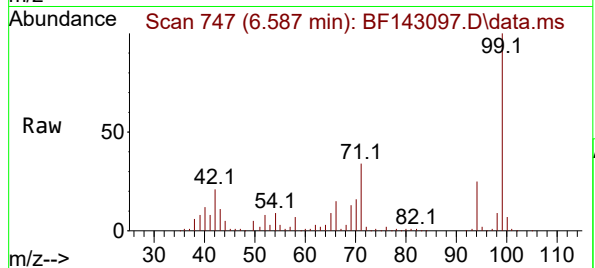
71 34.2 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#8

2-Chlorophenol

Concen: 40.025 ng

RT: 6.751 min Scan# 775

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

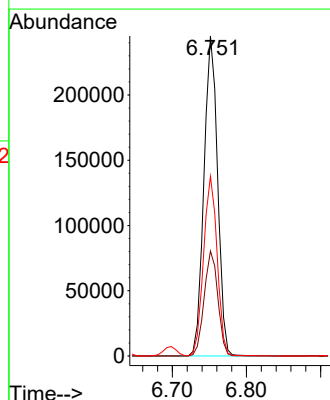
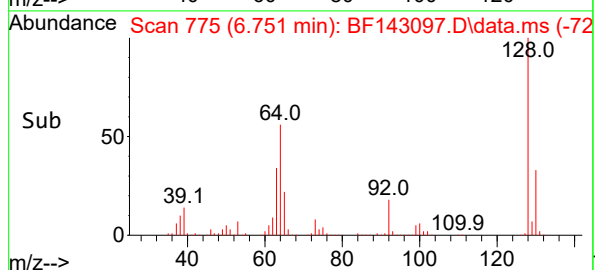
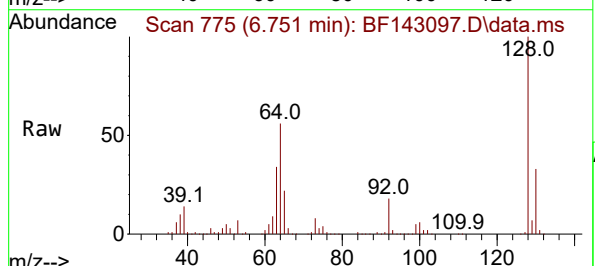
Tgt Ion:128 Resp: 314192

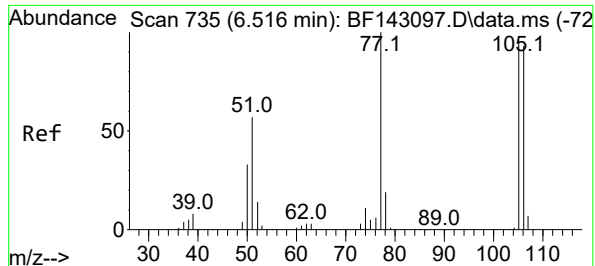
Ion Ratio Lower Upper

128 100

130 32.8 12.8 52.8

64 56.1 36.1 76.1





#9

Benzaldehyde

Concen: 47.869 ng

RT: 6.516 min Scan# 735

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 358210

Ion Ratio Lower Upper

77 100

105 96.3 76.3 116.3

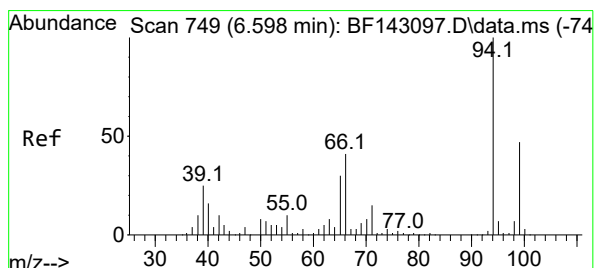
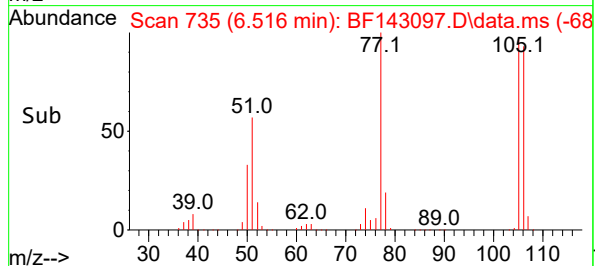
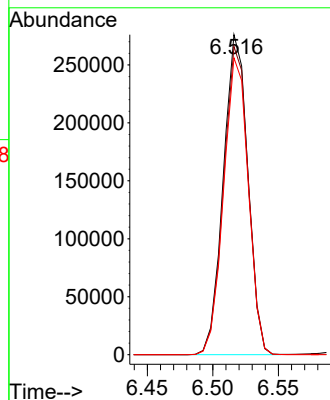
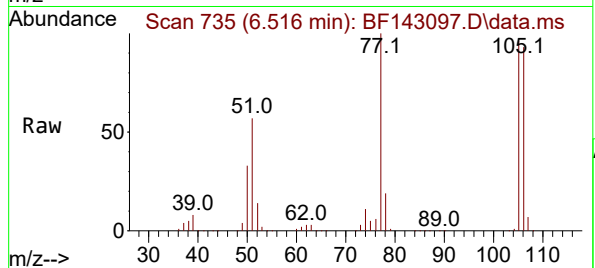
106 92.8 72.8 112.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#10

Phenol

Concen: 39.676 ng m

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

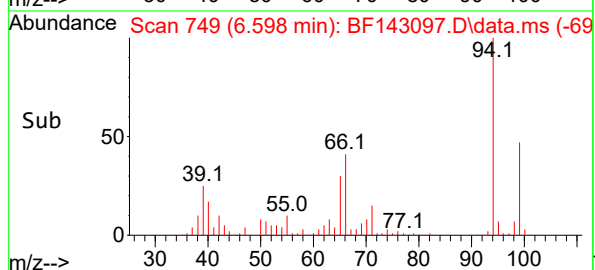
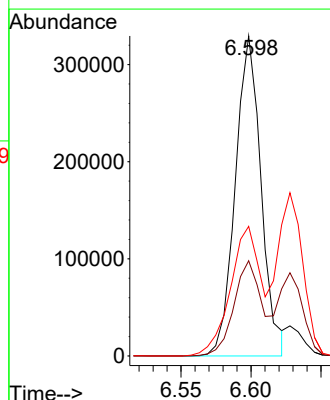
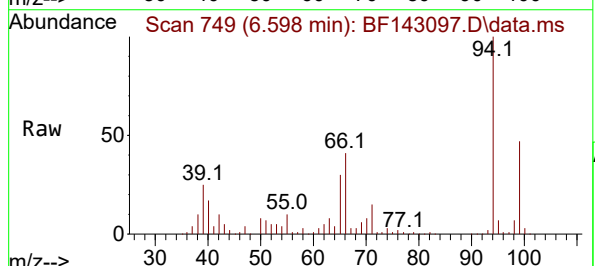
Tgt Ion: 94 Resp: 421819

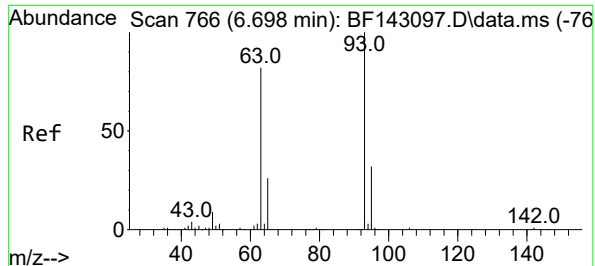
Ion Ratio Lower Upper

94 100

65 29.8 9.8 49.8

66 40.5 20.5 60.5





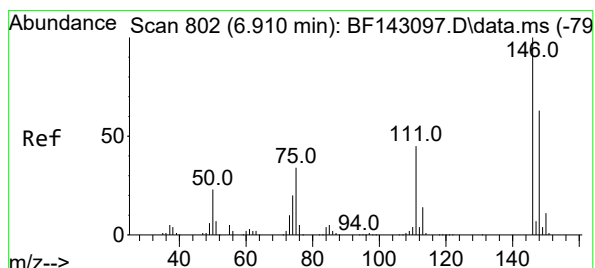
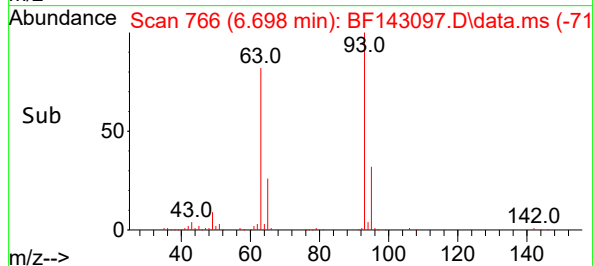
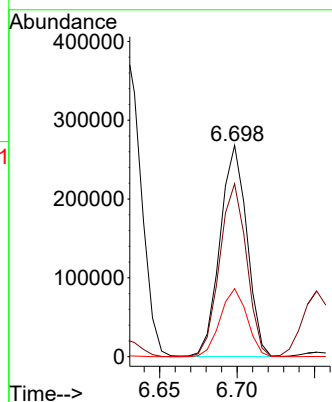
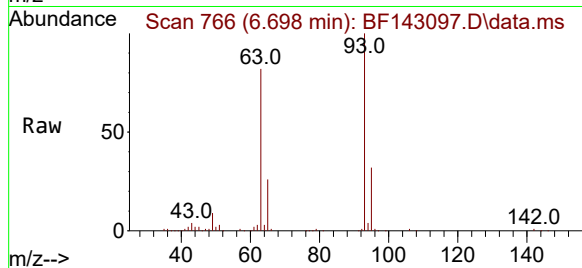
#11
bis(2-Chloroethyl)ether
Concen: 39.260 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 323129
Ion Ratio Lower Upper
93 100
63 81.9 61.9 101.9
95 32.2 12.2 52.2

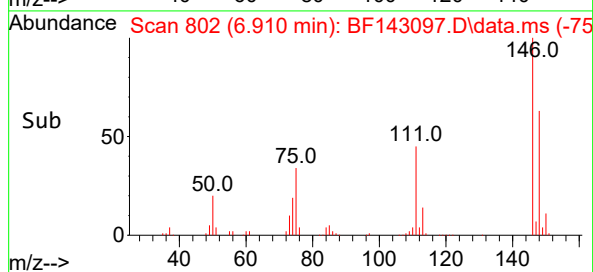
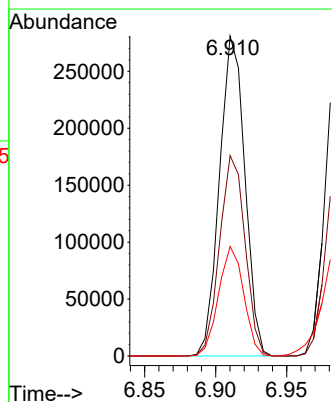
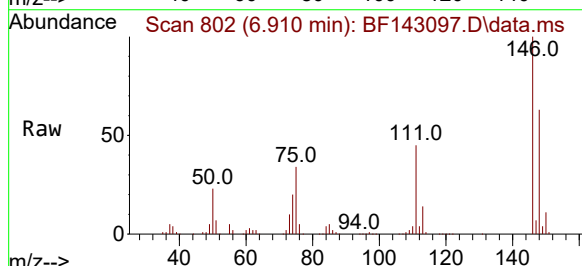
Manual Integrations
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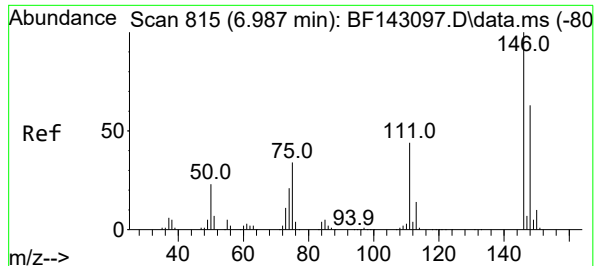
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#12
1,3-Dichlorobenzene
Concen: 39.371 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:146 Resp: 349154
Ion Ratio Lower Upper
146 100
148 62.6 50.1 75.1
75 34.2 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 39.084 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 348700

Ion Ratio Lower Upper

146 100

148 63.3 50.6 76.0

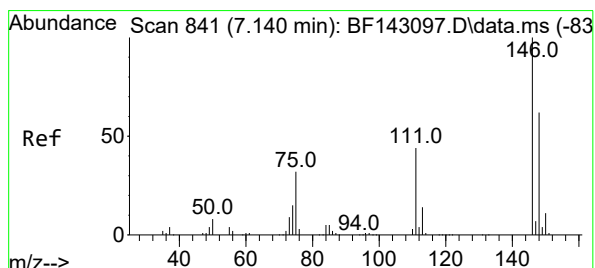
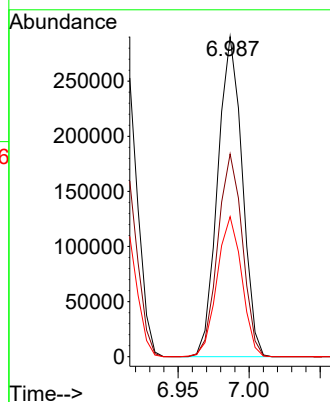
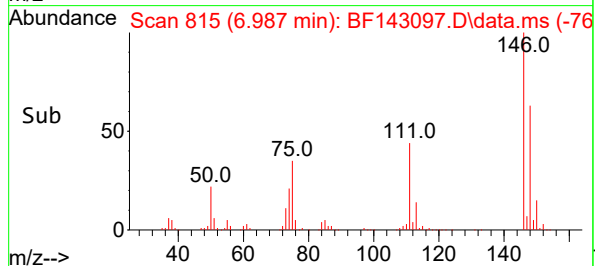
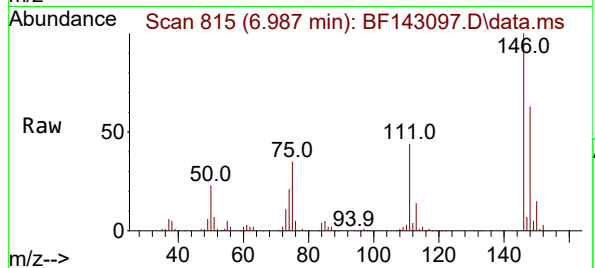
111 43.8 35.0 52.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#14

1,2-Dichlorobenzene

Concen: 39.587 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

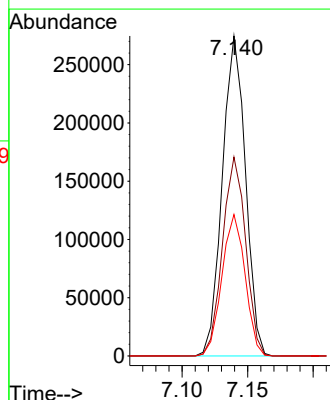
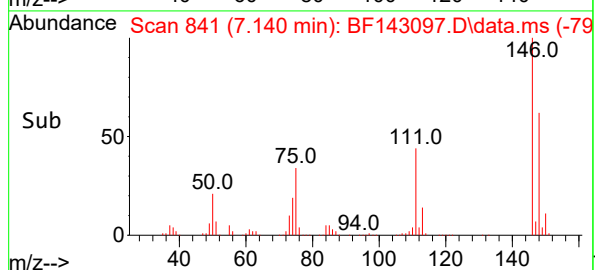
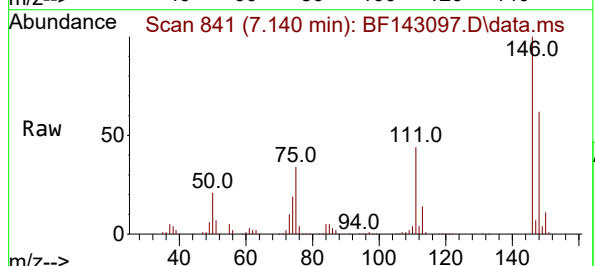
Tgt Ion:146 Resp: 336818

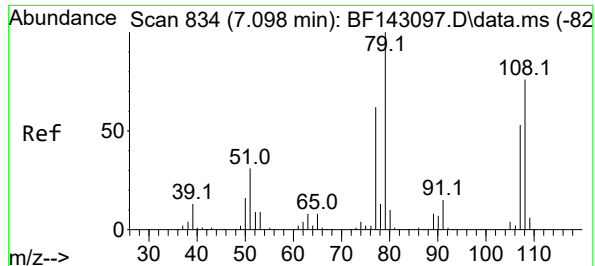
Ion Ratio Lower Upper

146 100

148 62.2 49.8 74.6

111 44.2 35.4 53.0





#15

Benzyl Alcohol

Concen: 39.585 ng

RT: 7.098 min Scan# 811

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 288050

Ion Ratio Lower Upper

79 100

108 76.4 61.1 91.7

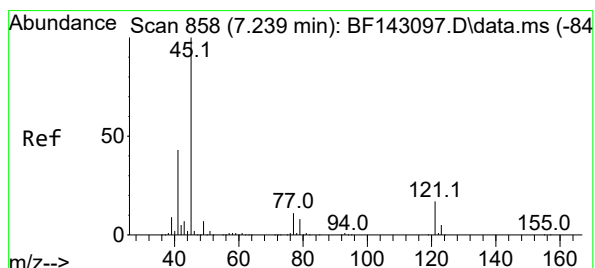
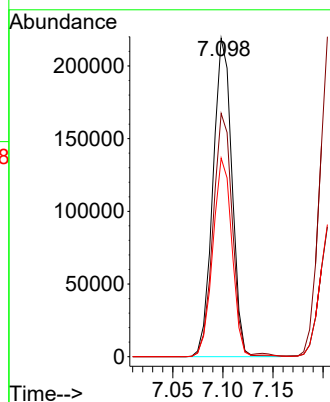
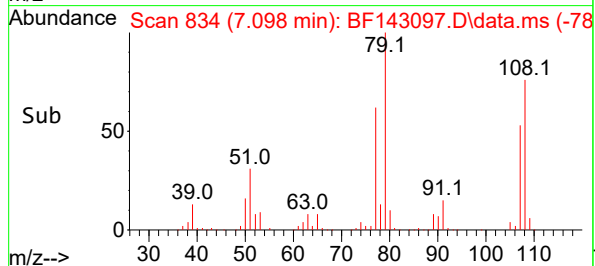
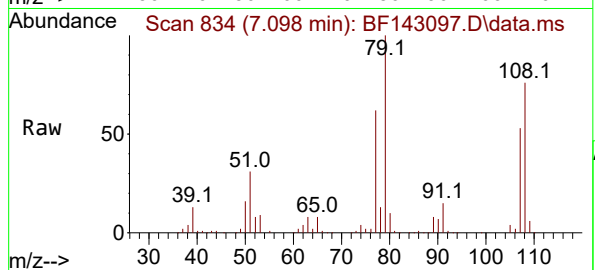
77 62.4 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.134 ng

RT: 7.239 min Scan# 858

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

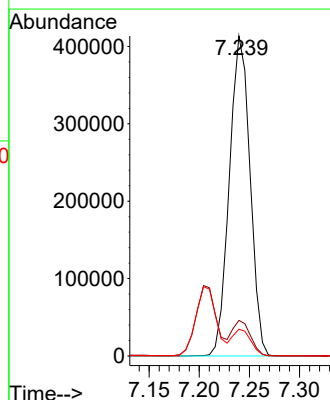
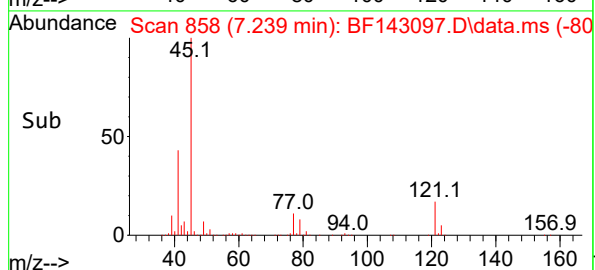
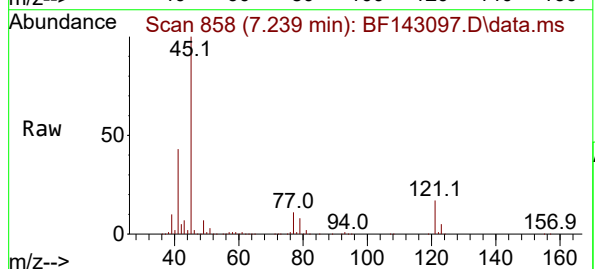
Tgt Ion: 45 Resp: 593735

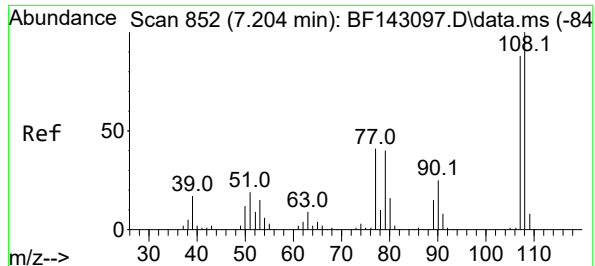
Ion Ratio Lower Upper

45 100

77 11.1 0.0 31.1

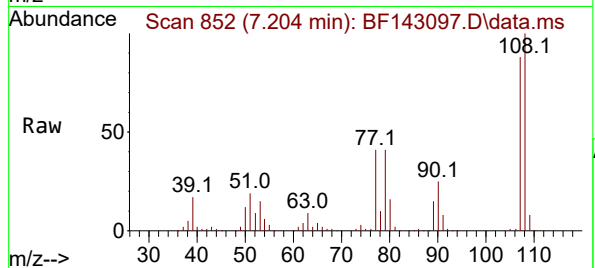
79 8.4 0.0 28.4





#17
2-Methylphenol
Concen: 39.484 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

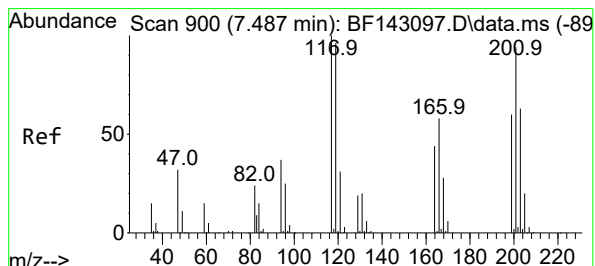
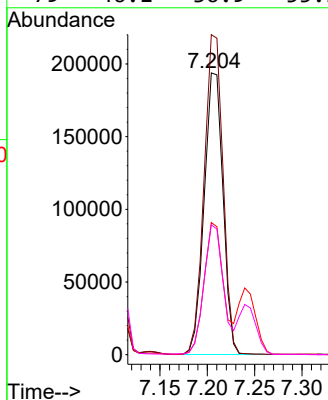
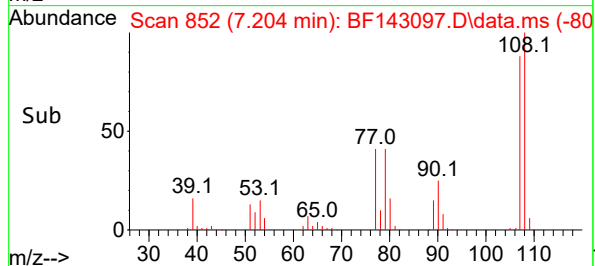
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:107 Resp: 267472
Ion Ratio Lower Upper
107 100
108 113.6 90.9 136.3
77 46.9 37.5 56.3
79 46.1 36.9 55.3

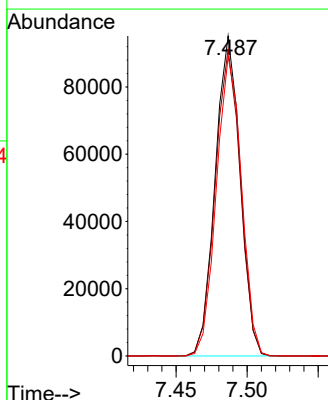
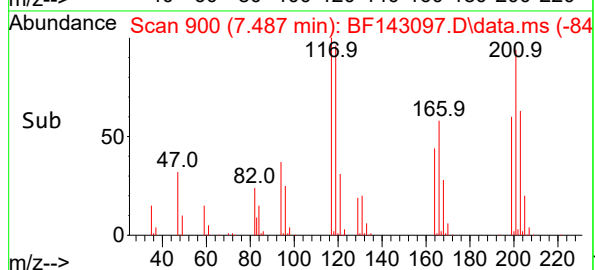
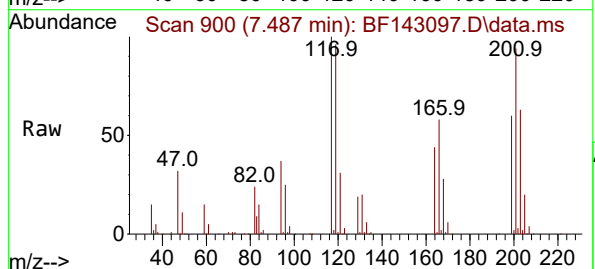
Manual Integrations
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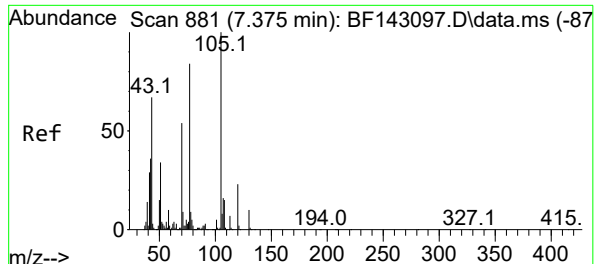
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#18
Hexachloroethane
Concen: 40.159 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:117 Resp: 116640
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1
201 93.7 75.0 112.4





#19

n-Nitroso-di-n-propylamine

Concen: 39.549 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 237958

Ion Ratio Lower Upper

70 100

42 66.5 53.2 79.8

101 9.4 7.5 11.3

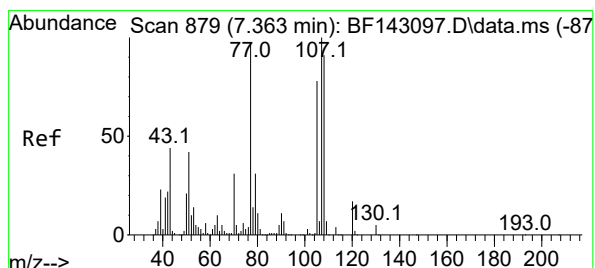
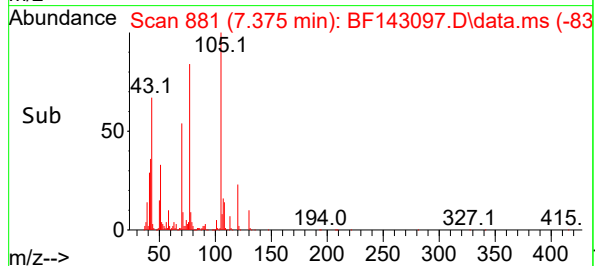
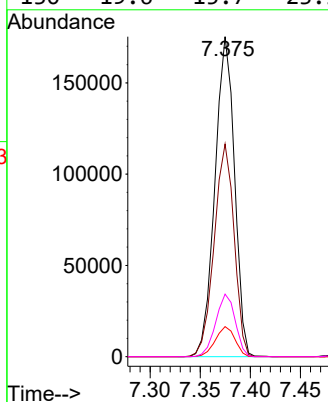
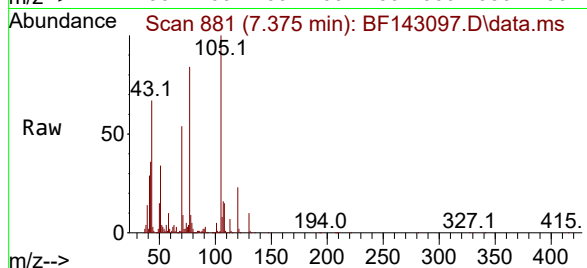
130 19.6 15.7 23.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#20

3+4-Methylphenols

Concen: 40.291 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Tgt Ion:107 Resp: 334719

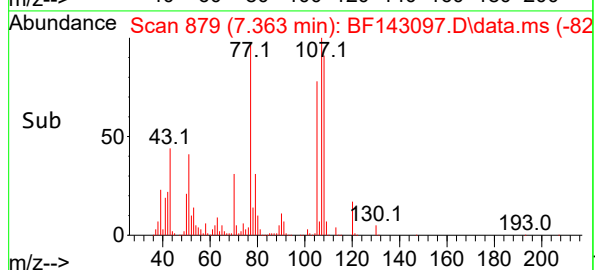
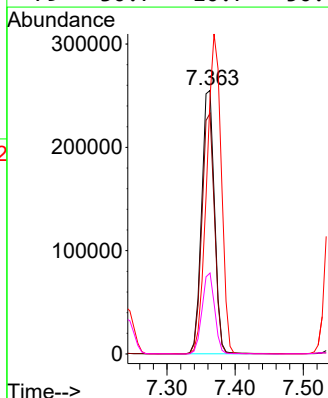
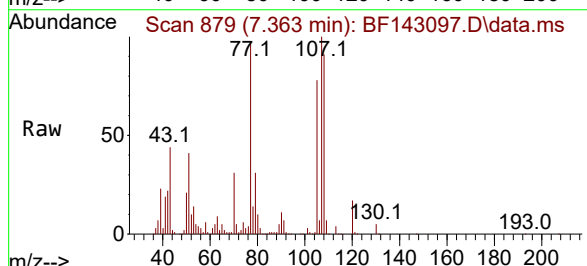
Ion Ratio Lower Upper

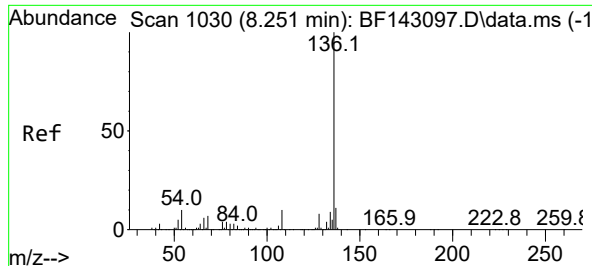
107 100

108 91.3 71.3 111.3

77 97.2 77.2 117.2

79 30.7 10.7 50.7





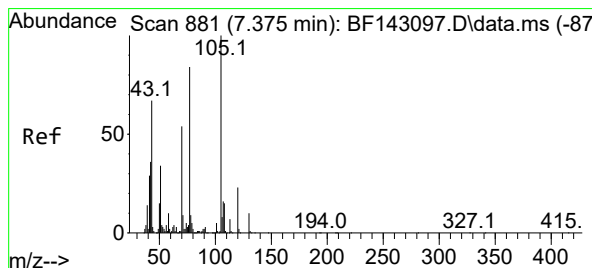
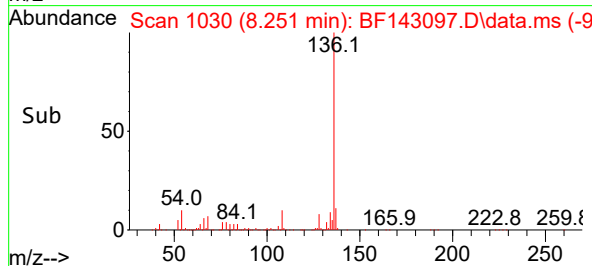
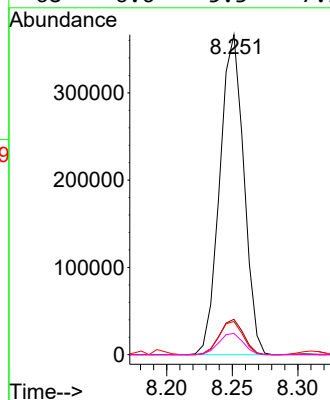
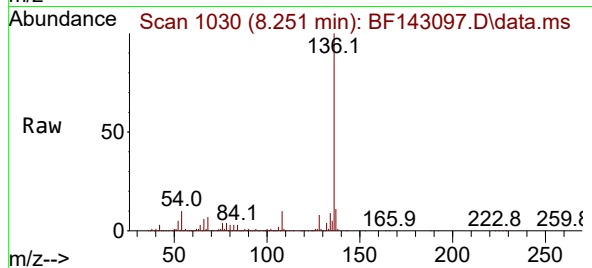
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 466428
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 10.4 8.3 12.5
68 6.6 5.3 7.9

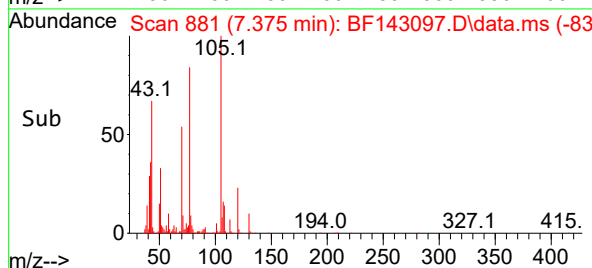
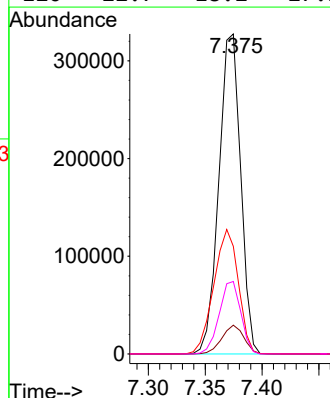
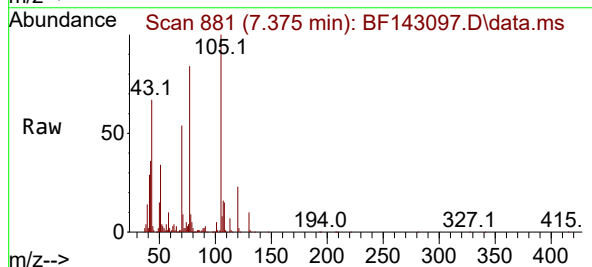
Manual Integrations
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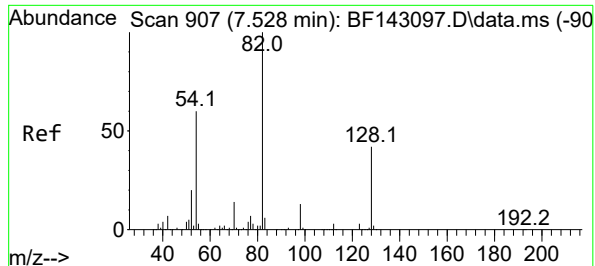
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#22
Acetophenone
Concen: 38.906 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:105 Resp: 437447
Ion Ratio Lower Upper
105 100
71 9.0 7.2 10.8
51 33.7 27.0 40.4
120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 83.526 ng m

RT: 7.528 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 694498

Ion Ratio Lower Upper

82 100

128 41.6 33.3 49.9

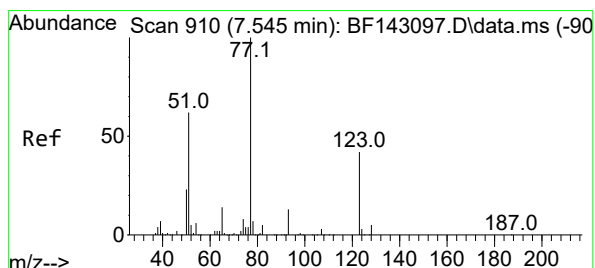
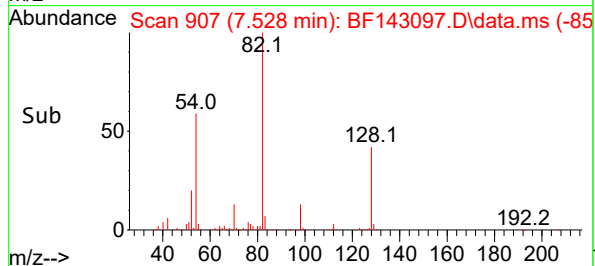
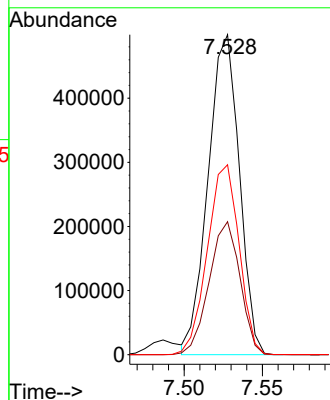
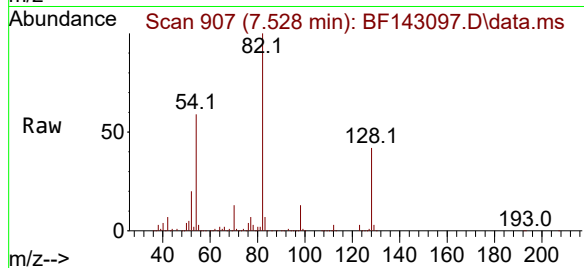
54 59.3 47.4 71.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#24

Nitrobenzene

Concen: 41.364 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

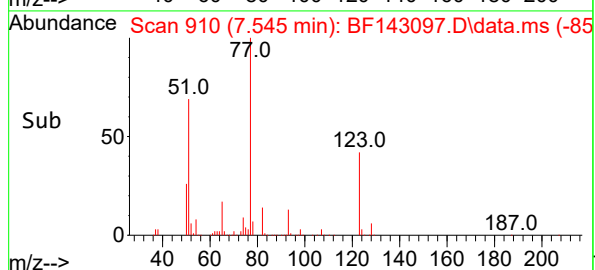
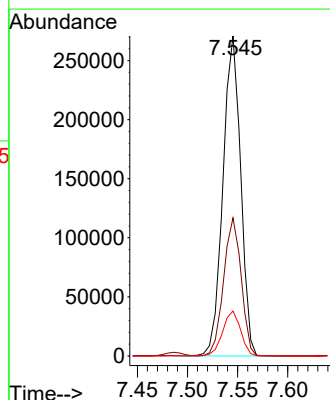
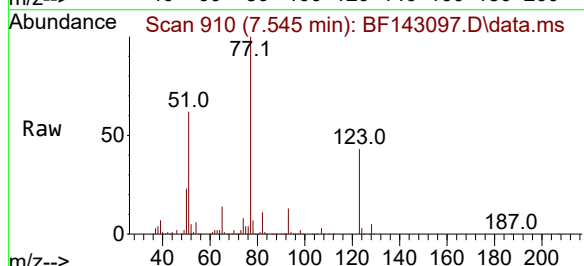
Tgt Ion: 77 Resp: 332013

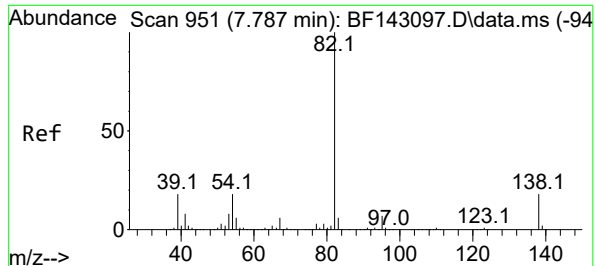
Ion Ratio Lower Upper

77 100

123 43.1 34.5 51.7

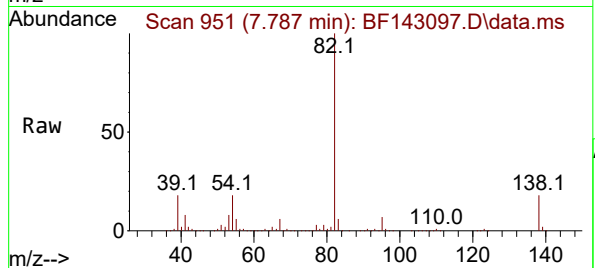
65 14.1 11.3 16.9





#25
Isophorone
Concen: 39.346 ng
RT: 7.787 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

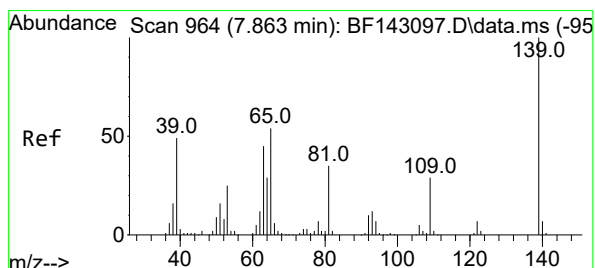
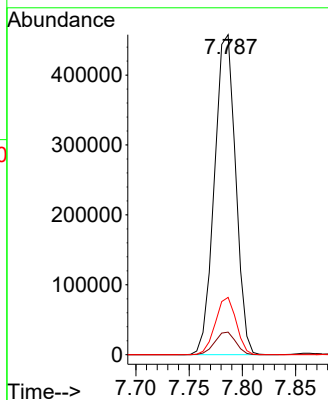
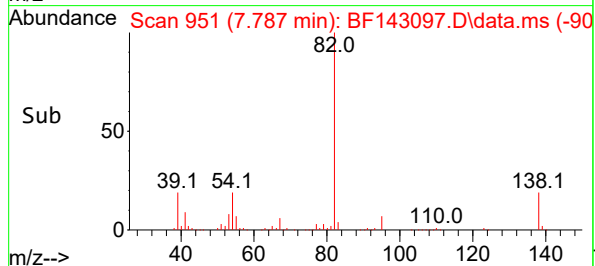
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 82 Resp: 63232
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 17.9 14.3 21.5

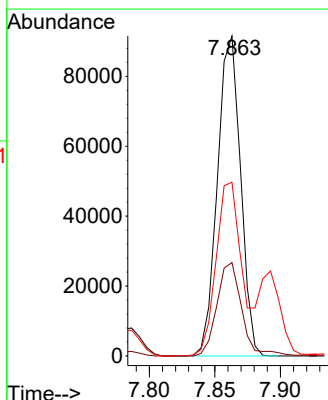
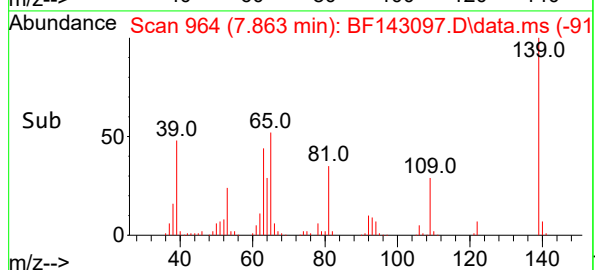
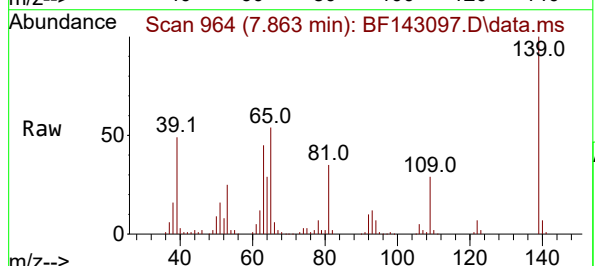
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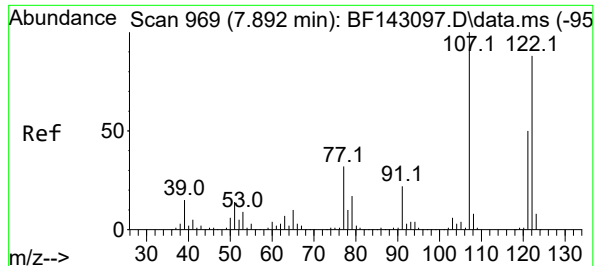
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#26
2-Nitrophenol
Concen: 36.079 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:139 Resp: 112314
Ion Ratio Lower Upper
139 100
109 29.2 23.4 35.0
65 54.3 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 39.984 ng

RT: 7.892 min Scan# 969

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 29824

Ion Ratio Lower Upper

122 100

107 114.1 91.3 136.9

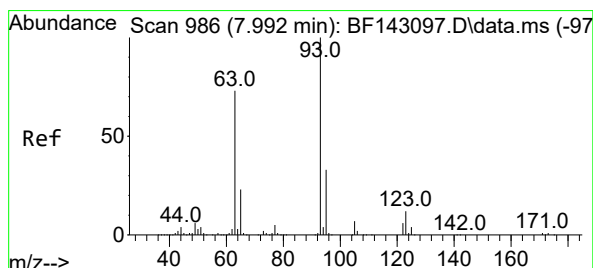
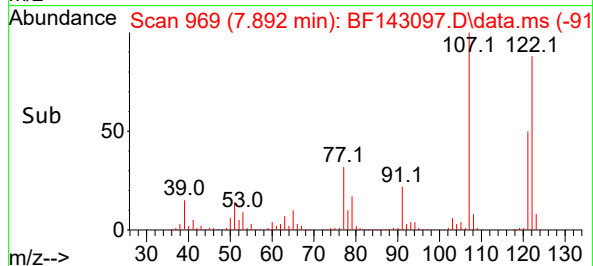
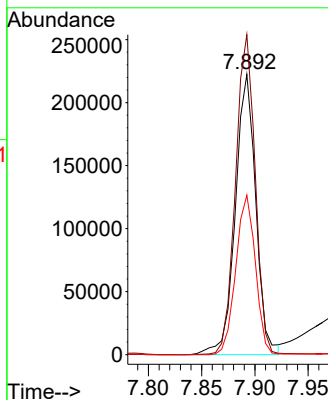
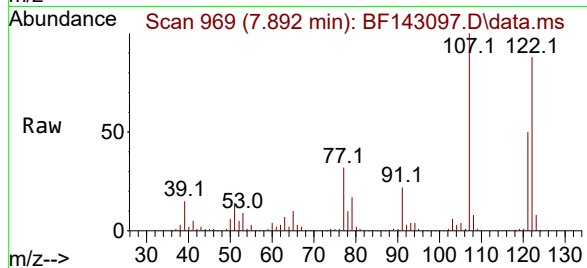
121 56.9 45.5 68.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#28

bis(2-Chloroethoxy)methane

Concen: 39.155 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

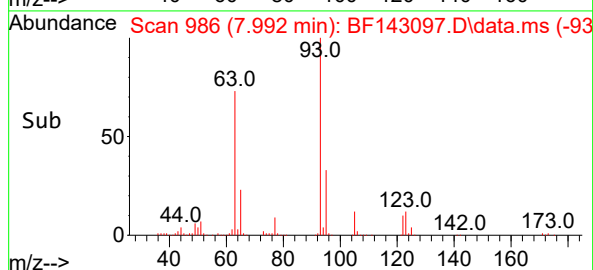
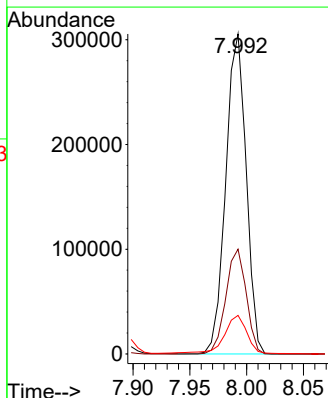
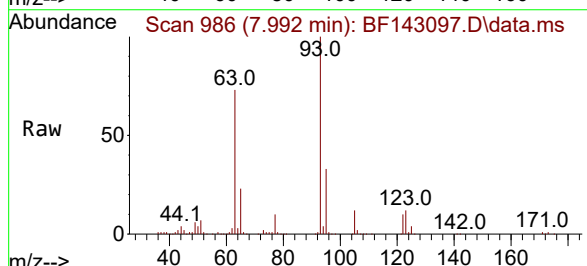
Tgt Ion: 93 Resp: 381576

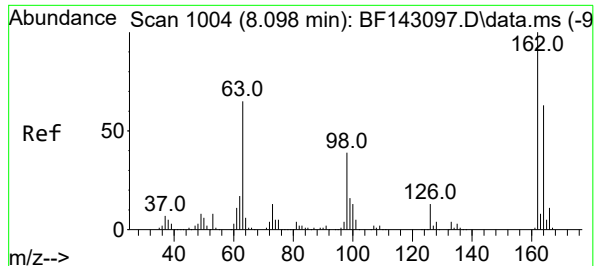
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

123 12.0 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 40.752 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 248670

Ion Ratio Lower Upper

162 100

164 63.1 43.1 83.1

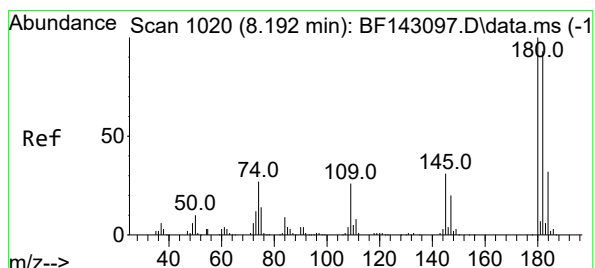
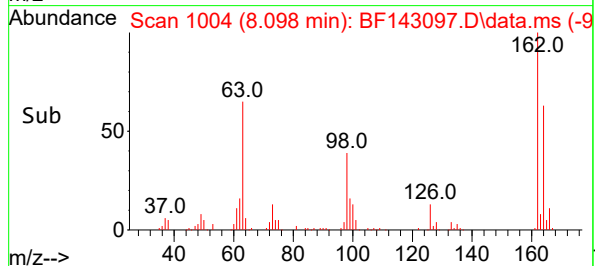
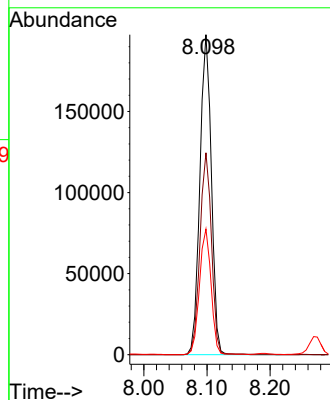
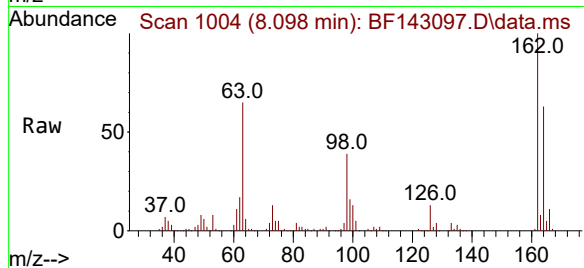
98 39.2 19.2 59.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#30

1,2,4-Trichlorobenzene

Concen: 39.701 ng

RT: 8.192 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

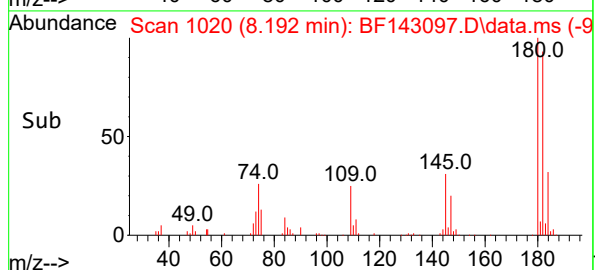
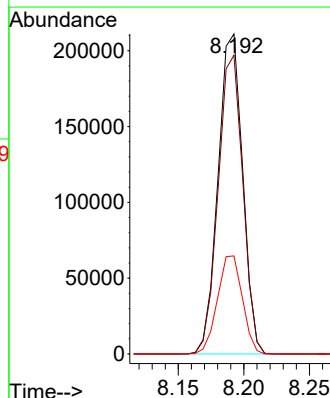
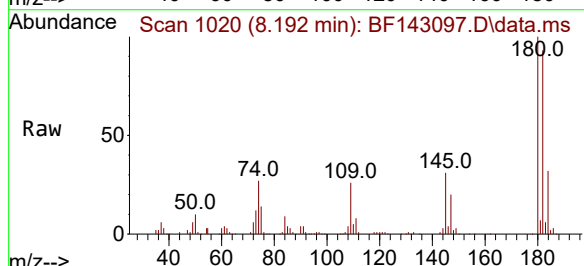
Tgt Ion:180 Resp: 274944

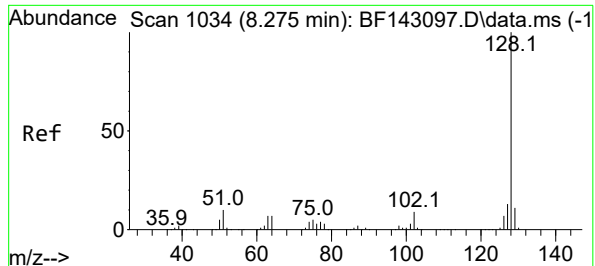
Ion Ratio Lower Upper

180 100

182 93.4 74.7 112.1

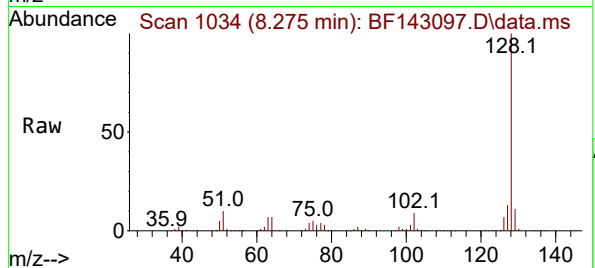
145 30.6 24.5 36.7





#31
Naphthalene
Concen: 38.898 ng
RT: 8.275 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

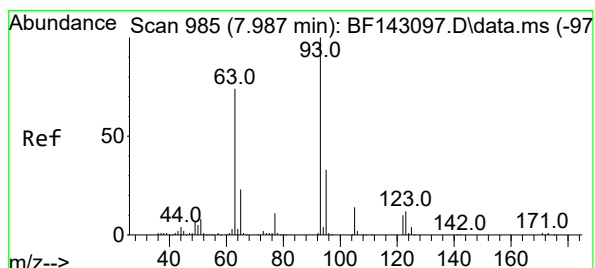
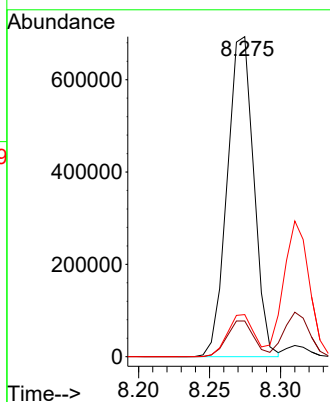
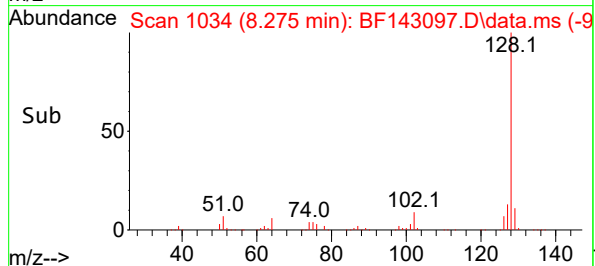
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:128 Resp: 90096
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.1 10.5 15.7

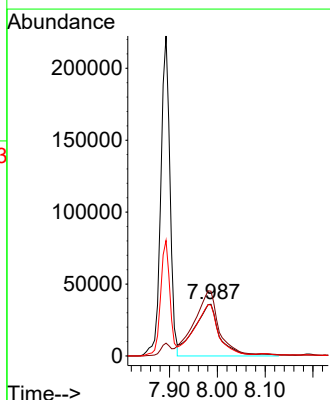
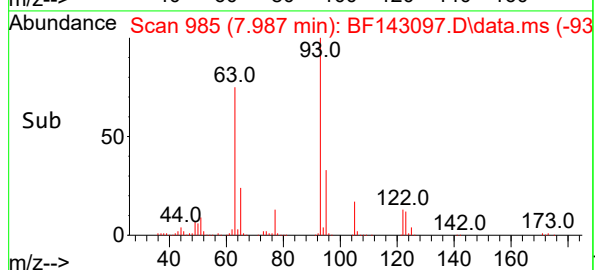
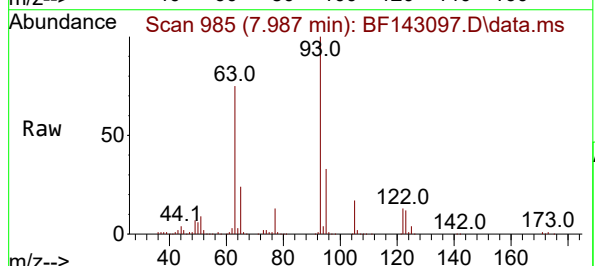
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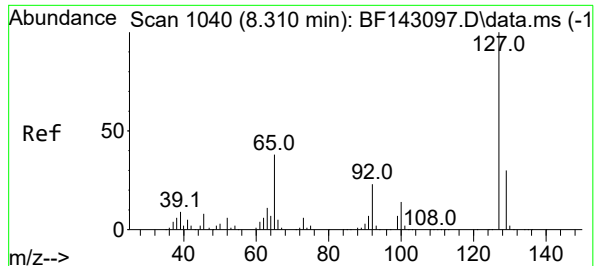
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#32
Benzoic acid
Concen: 37.684 ng m
RT: 7.987 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:122 Resp: 133968
Ion Ratio Lower Upper
122 100
105 125.4 105.4 145.4
77 98.6 78.6 118.6





#33

4-Chloroaniline

Concen: 39.858 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 371249

Ion Ratio Lower Upper

127 100

129 32.8 26.2 39.4

65 35.7 28.6 42.8

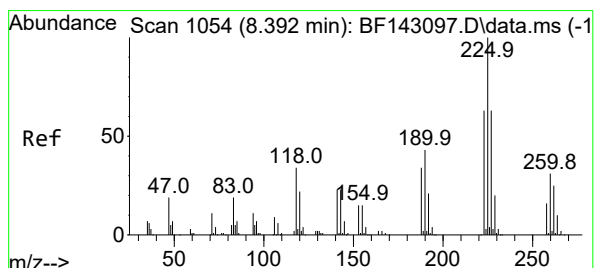
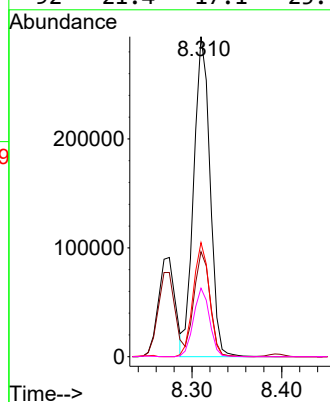
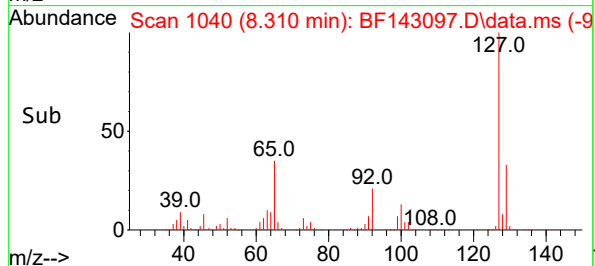
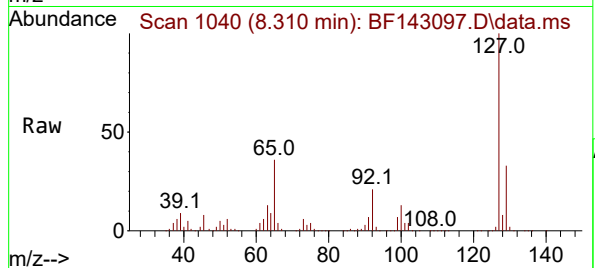
92 21.4 17.1 25.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#34

Hexachlorobutadiene

Concen: 39.978 ng

RT: 8.392 min Scan# 1054

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

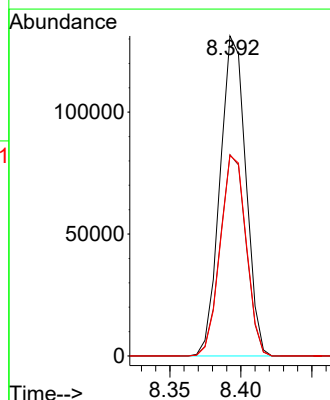
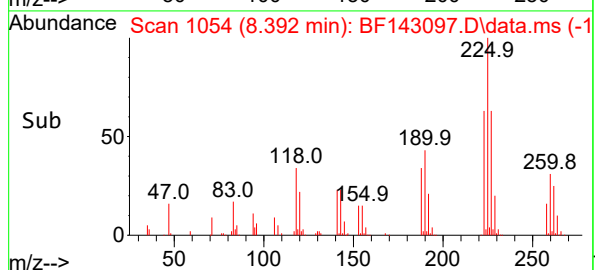
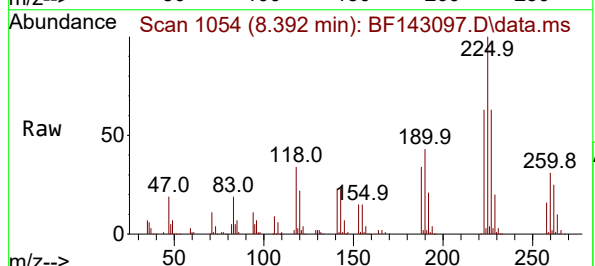
Tgt Ion:225 Resp: 165576

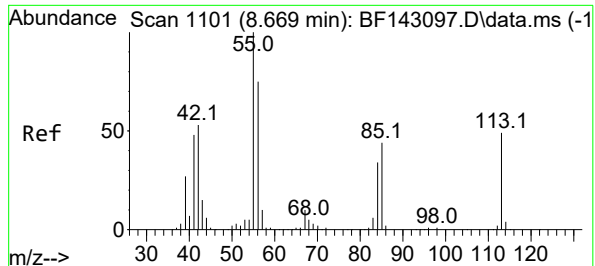
Ion Ratio Lower Upper

225 100

223 62.9 50.3 75.5

227 62.6 50.1 75.1





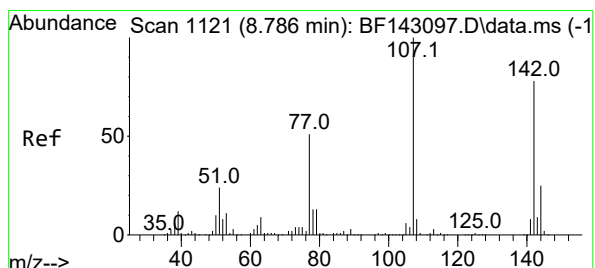
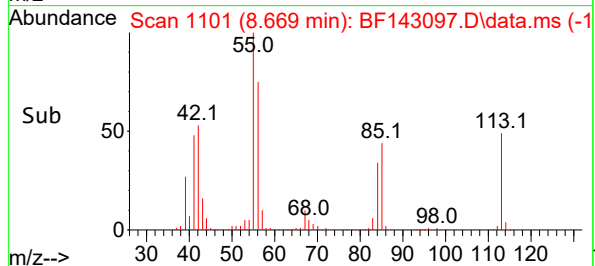
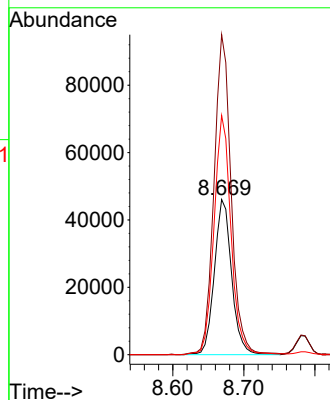
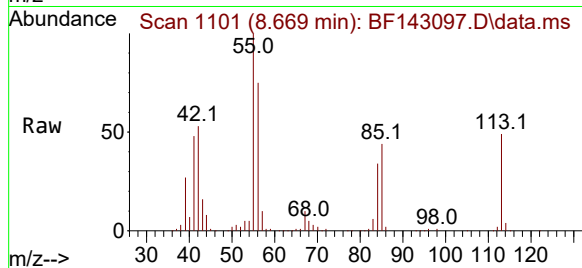
#35
 Caprolactam
 Concen: 40.657 ng
 RT: 8.669 min Scan# 1101
 Delta R.T. 0.000 min
 Lab File: BF143097.D
 Acq: 15 Jul 2025 15:05

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC040

Tgt Ion:113 Resp: 77472
 Ion Ratio Lower Upper
 113 100
 55 206.2 186.2 226.2
 56 154.1 134.1 174.1

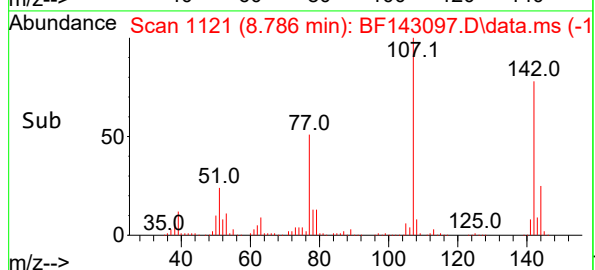
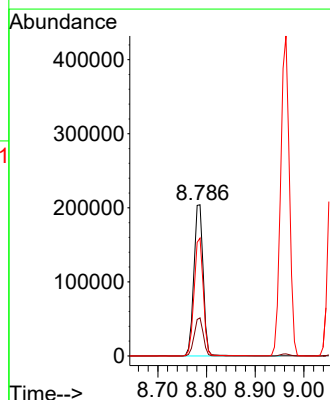
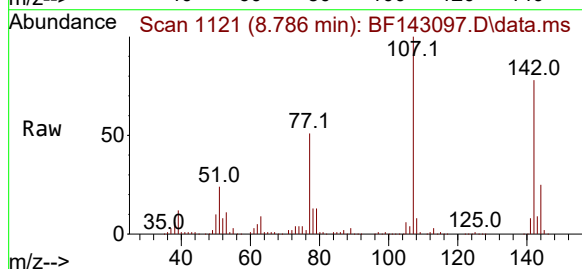
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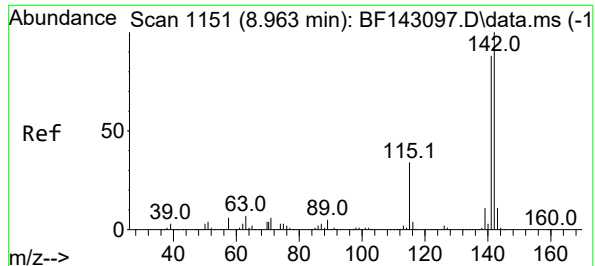
Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025



#36
 4-Chloro-3-methylphenol
 Concen: 40.145 ng
 RT: 8.786 min Scan# 1121
 Delta R.T. 0.000 min
 Lab File: BF143097.D
 Acq: 15 Jul 2025 15:05

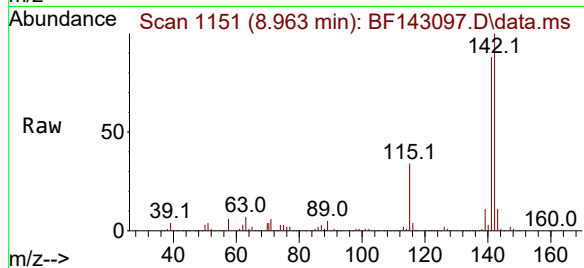
Tgt Ion:107 Resp: 272885
 Ion Ratio Lower Upper
 107 100
 144 25.2 20.2 30.2
 142 78.0 62.4 93.6





#37
2-Methylnaphthalene
Concen: 39.141 ng
RT: 8.963 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

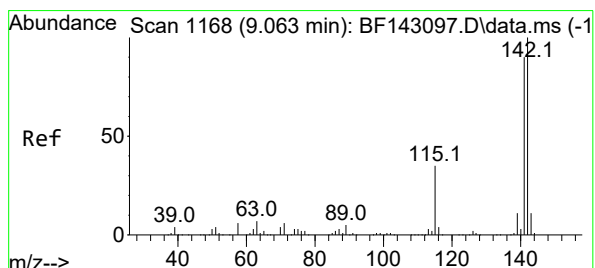
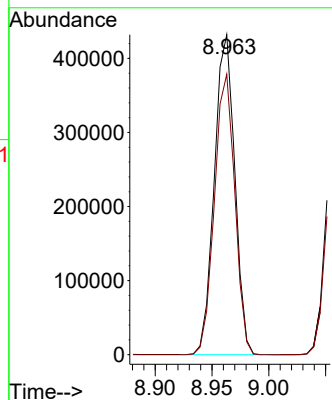
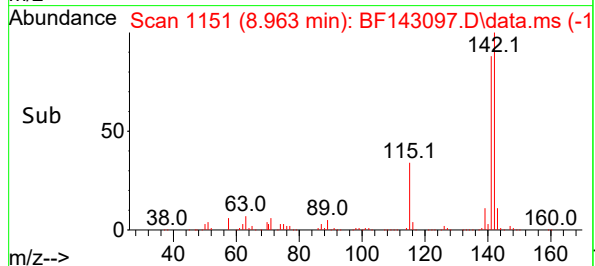
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:142 Resp: 540844
Ion Ratio Lower Upper
142 100
141 87.7 70.2 105.2

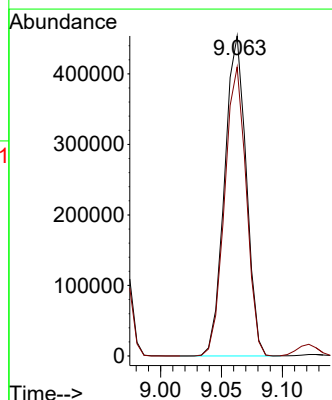
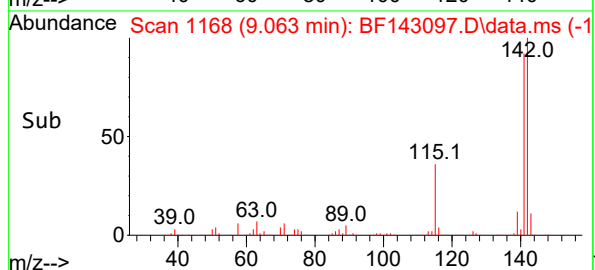
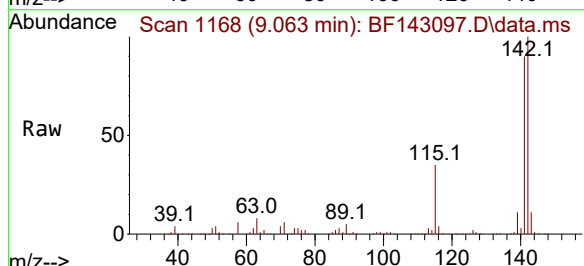
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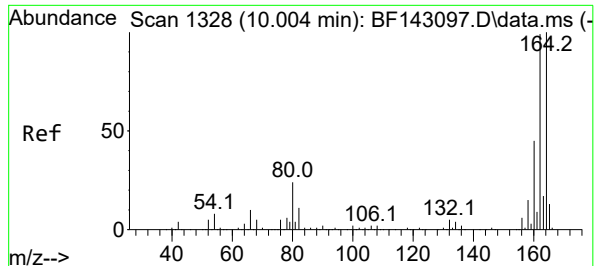
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#38
1-Methylnaphthalene
Concen: 39.263 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:142 Resp: 562696
Ion Ratio Lower Upper
142 100
141 90.3 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:164 Resp: 227730

Ion Ratio Lower Upper

164 100

162 98.8 79.0 118.6

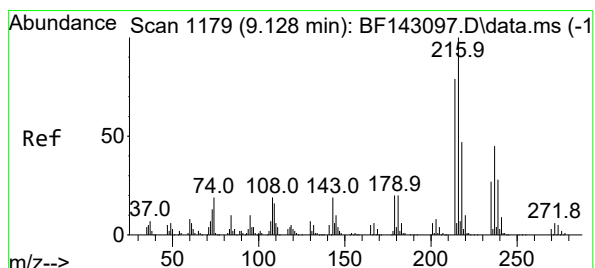
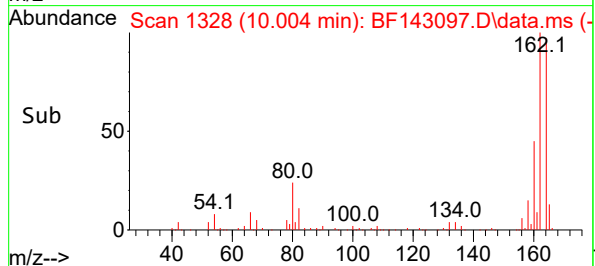
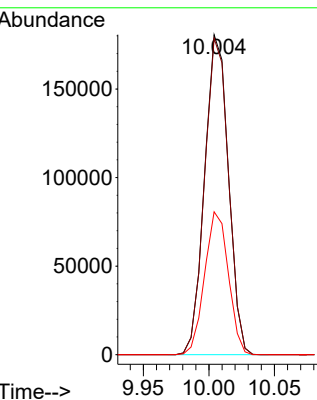
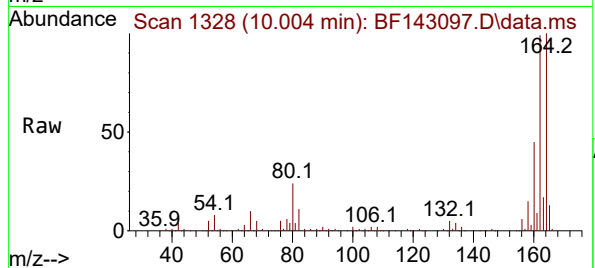
160 44.7 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.653 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Tgt Ion:216 Resp: 263160

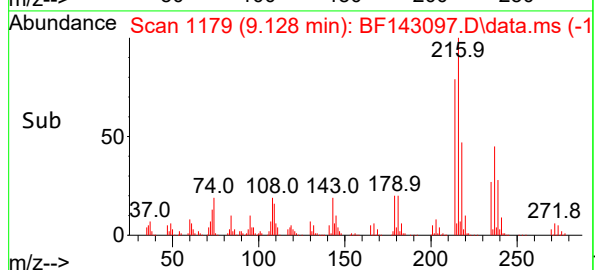
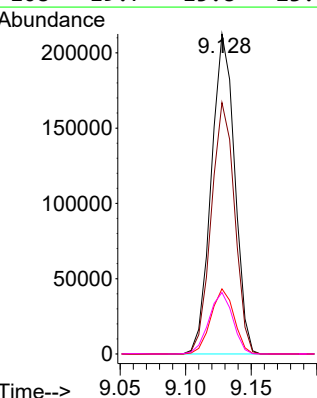
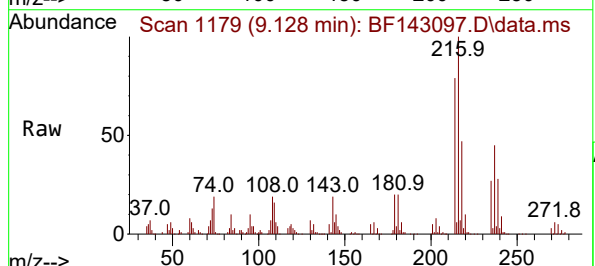
Ion Ratio Lower Upper

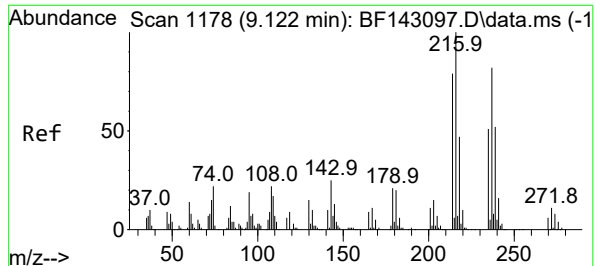
216 100

214 78.3 62.6 94.0

179 20.2 16.2 24.2

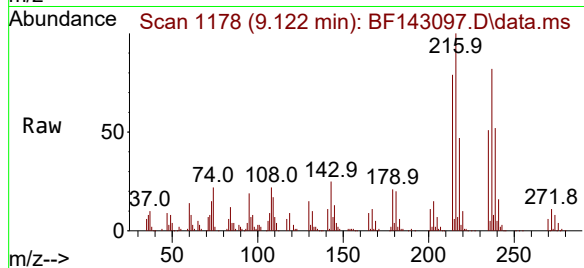
108 19.7 15.8 23.6





#41
Hexachlorocyclopentadiene
Concen: 40.011 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

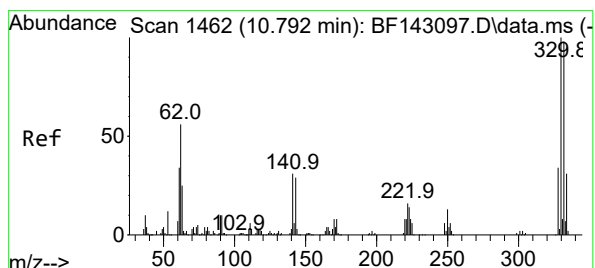
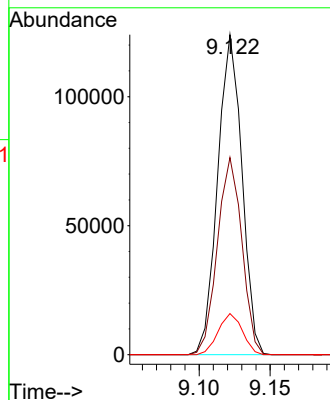
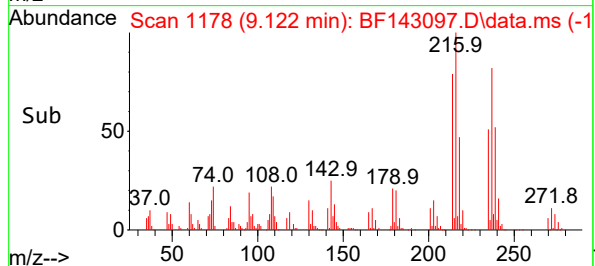
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



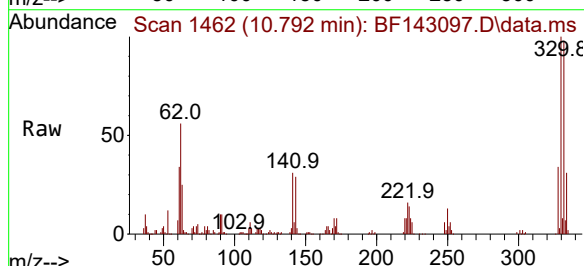
Tgt Ion: 237 Resp: 14722
Ion Ratio Lower Upper
237 100
235 61.6 41.6 81.6
272 12.9 0.0 32.9

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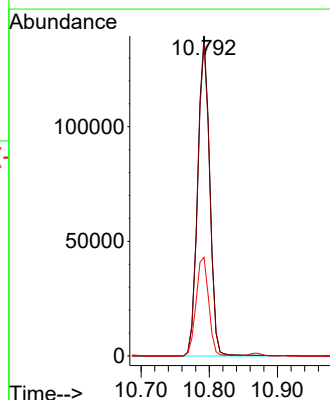
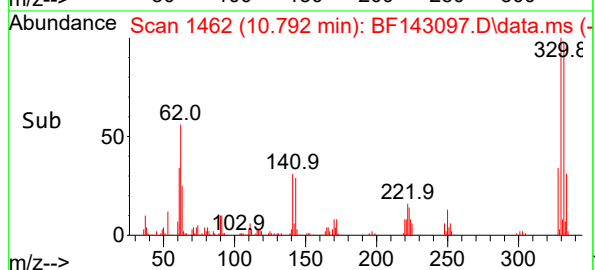
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

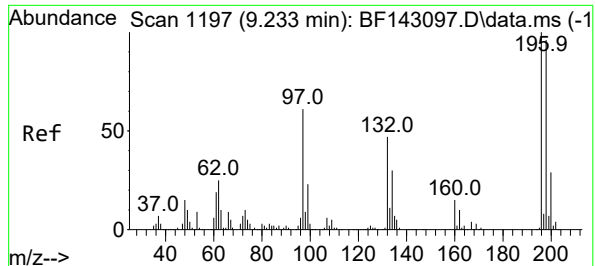


#42
2,4,6-Tribromophenol
Concen: 84.198 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05



Tgt Ion: 330 Resp: 170969
Ion Ratio Lower Upper
330 100
332 97.4 77.9 116.9
141 32.4 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 41.569 ng

RT: 9.233 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF143097.D

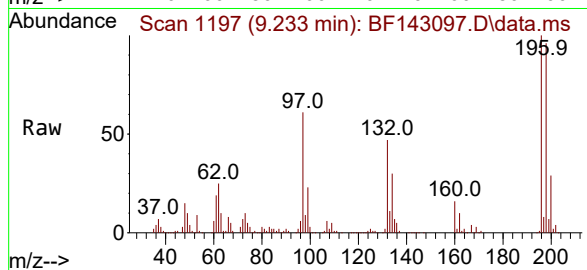
Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:196 Resp: 171419

Ion Ratio Lower Upper

196 100

198 96.1 76.9 115.3

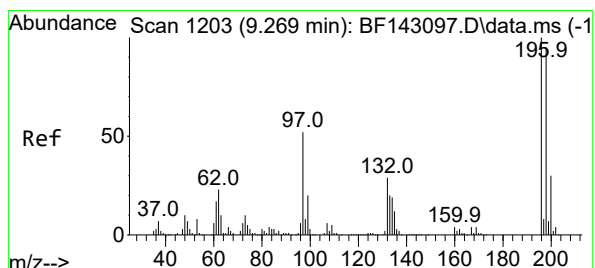
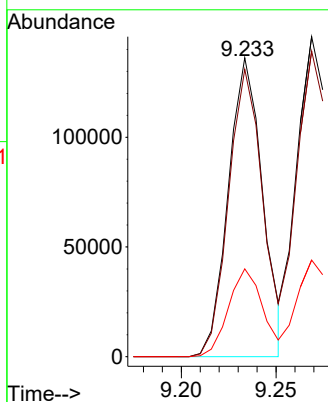
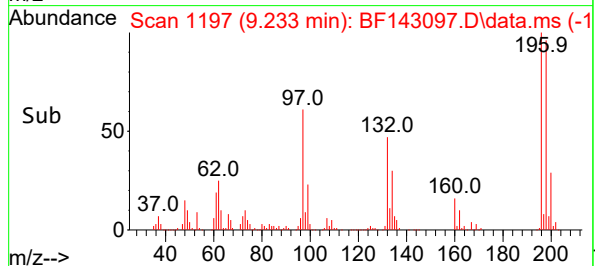
200 29.4 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#44

2,4,5-Trichlorophenol

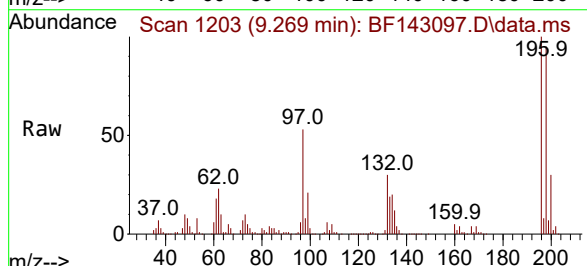
Concen: 41.422 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05



Tgt Ion:196 Resp: 179101

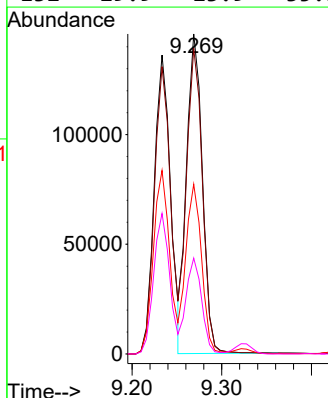
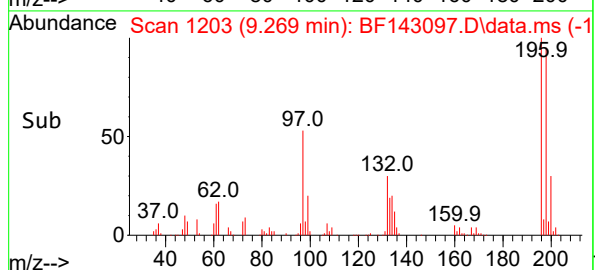
Ion Ratio Lower Upper

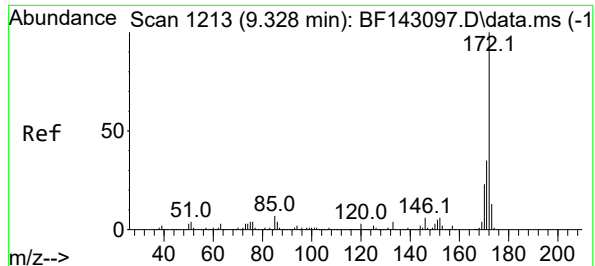
196 100

198 95.5 76.4 114.6

97 53.0 42.4 63.6

132 29.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 77.428 ng

RT: 9.328 min Scan# 1213

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:172 Resp: 132648

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

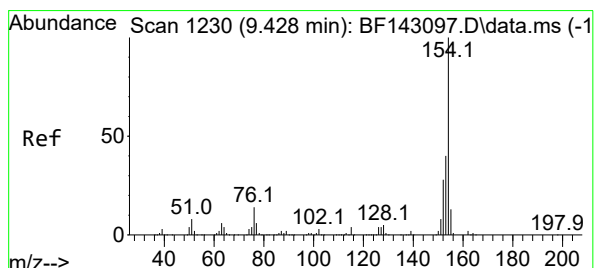
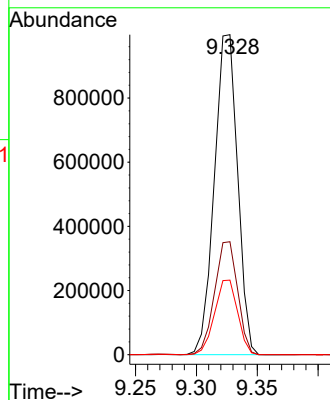
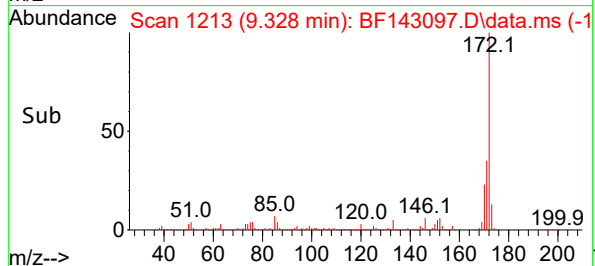
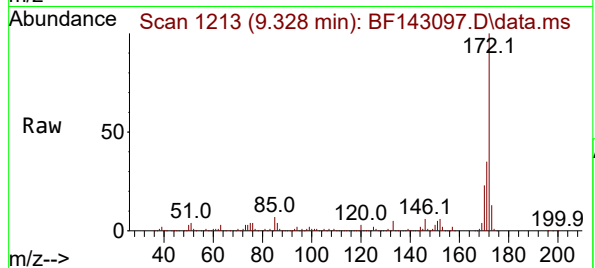
170 23.3 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#46

1,1'-Biphenyl

Concen: 39.288 ng

RT: 9.428 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

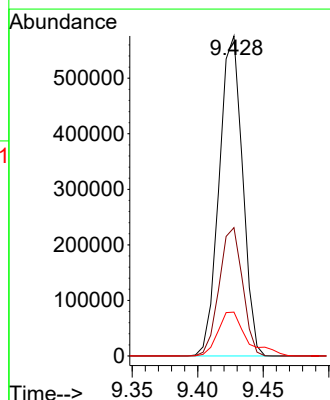
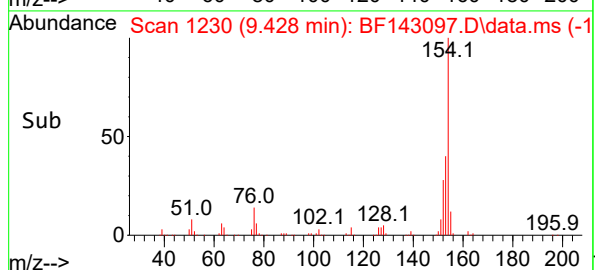
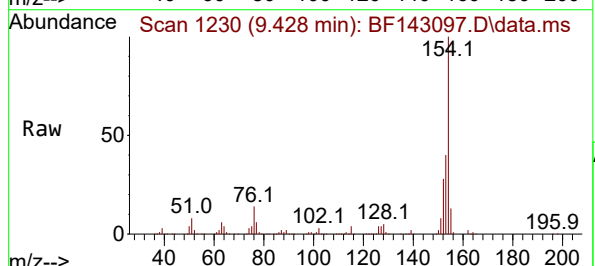
Tgt Ion:154 Resp: 713513

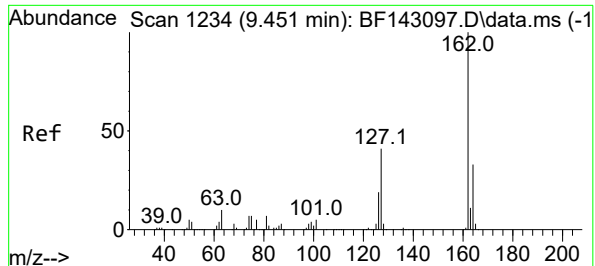
Ion Ratio Lower Upper

154 100

153 40.1 20.1 60.1

76 13.7 0.0 33.7





#47

2-Chloronaphthalene

Concen: 39.561 ng

RT: 9.451 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 527800

Ion Ratio Lower Upper

162 100

127 41.3 33.0 49.6

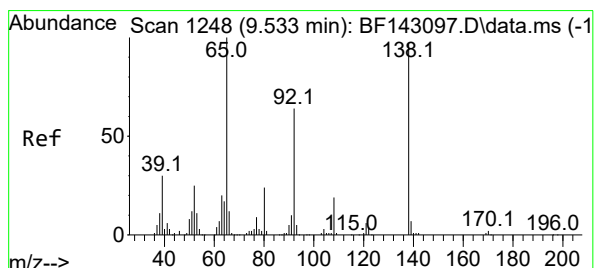
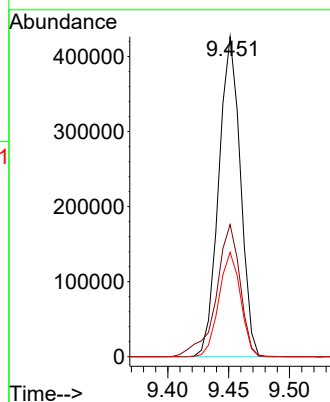
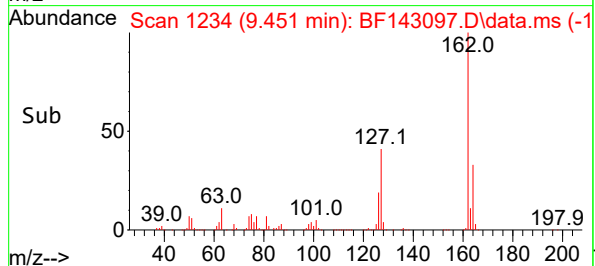
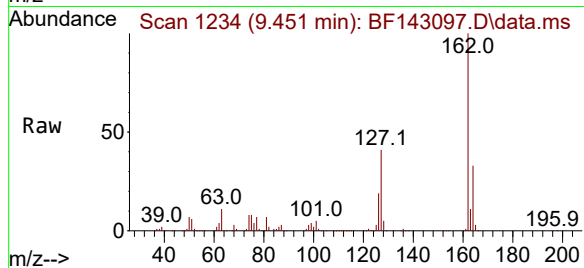
164 32.6 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#48

2-Nitroaniline

Concen: 38.182 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

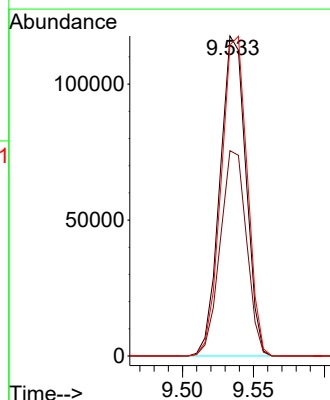
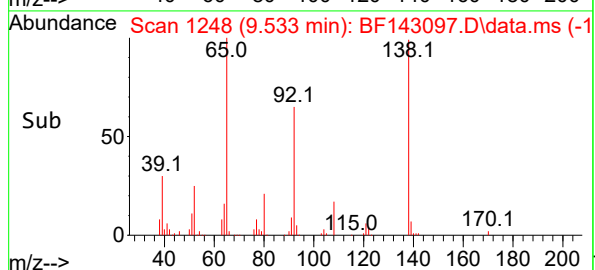
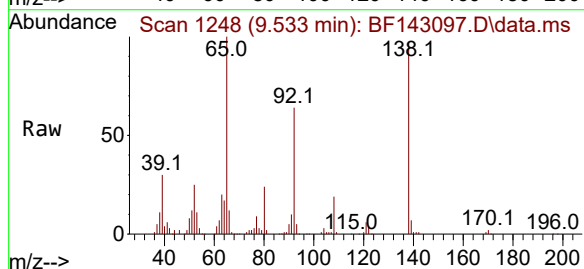
Tgt Ion: 65 Resp: 149322

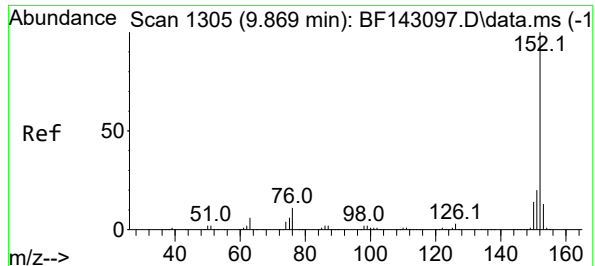
Ion Ratio Lower Upper

65 100

92 64.1 51.3 76.9

138 97.2 77.8 116.6





#49

Acenaphthylene

Concen: 40.126 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

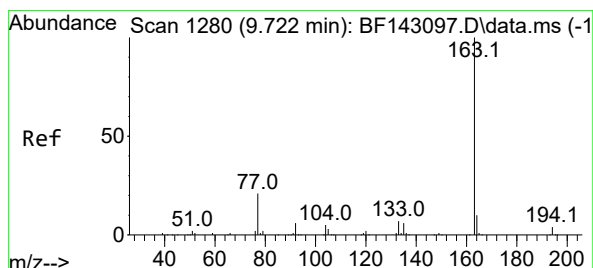
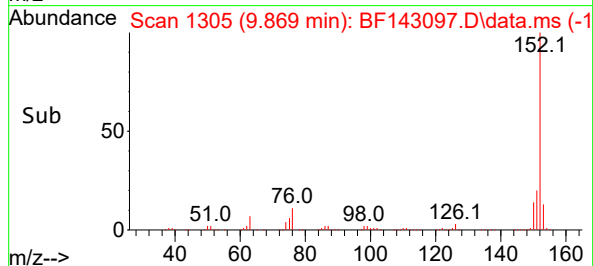
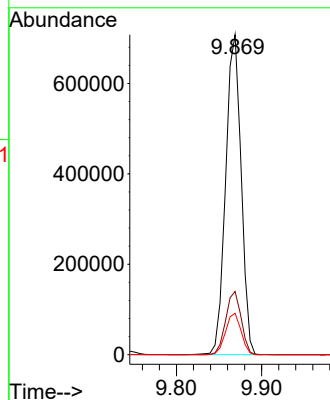
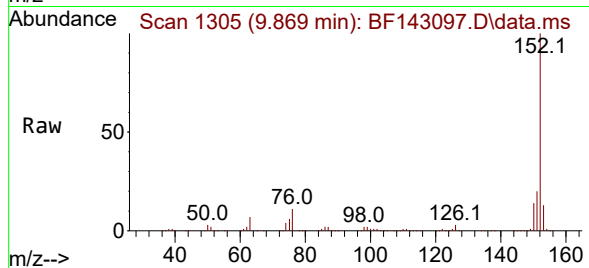
Tgt Ion:152 Resp: 892054
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 13.0 10.4 15.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#50

Dimethylphthalate

Concen: 39.971 ng

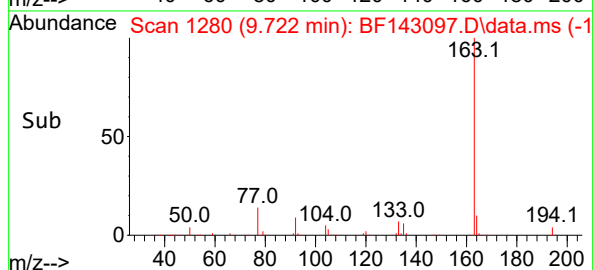
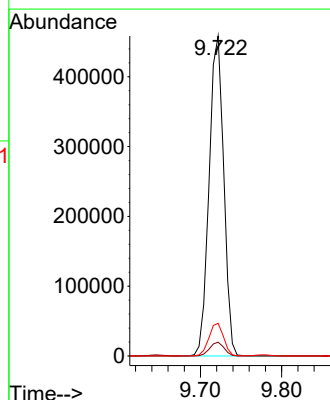
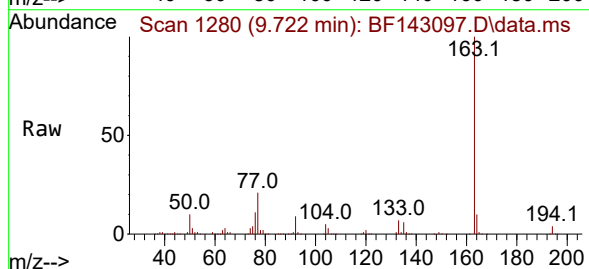
RT: 9.722 min Scan# 1280

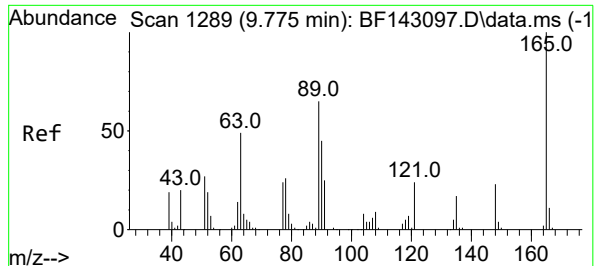
Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

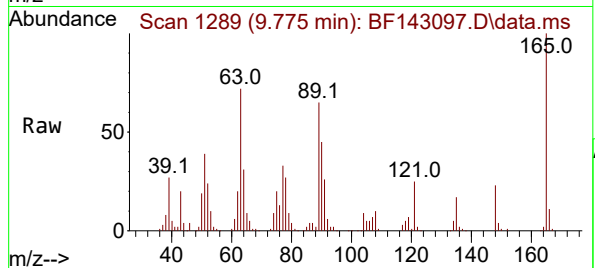
Tgt Ion:163 Resp: 572658
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 38.213 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

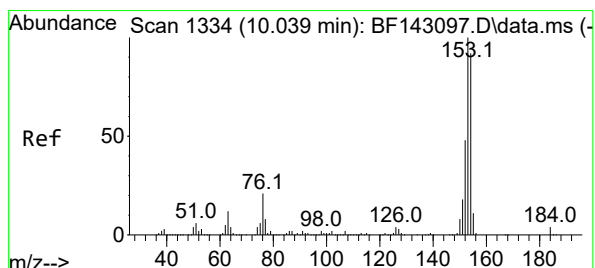
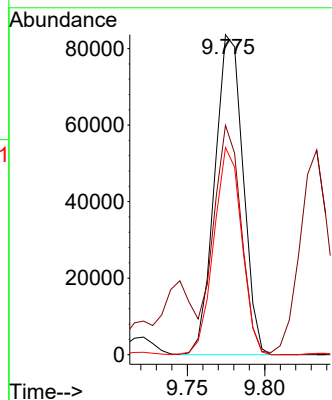
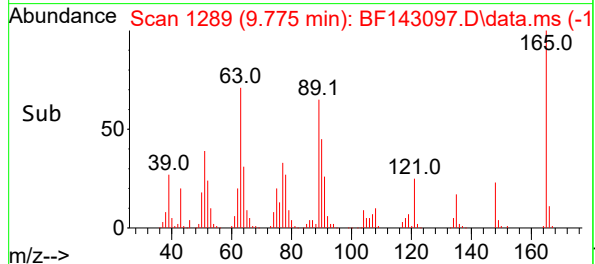
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 106468
Ion Ratio Lower Upper
165 100
63 71.7 57.4 86.0
89 64.8 51.8 77.8

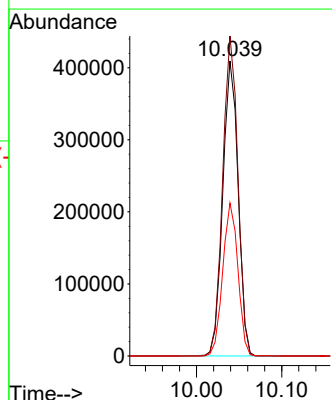
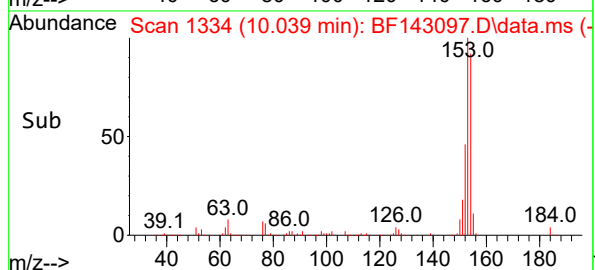
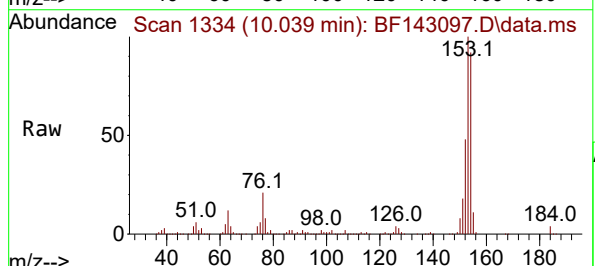
Manual Integrations
APPROVED

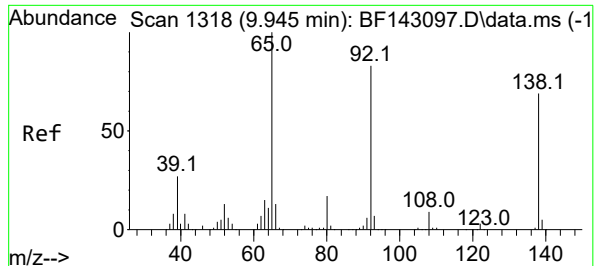
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#52
Acenaphthene
Concen: 39.131 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

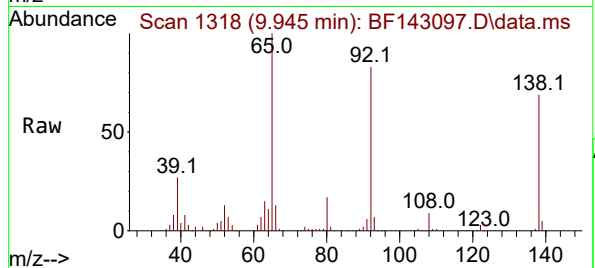
Tgt Ion:154 Resp: 513370
Ion Ratio Lower Upper
154 100
153 108.4 86.7 130.1
152 51.8 41.4 62.2





#53
3-Nitroaniline
Concen: 42.301 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

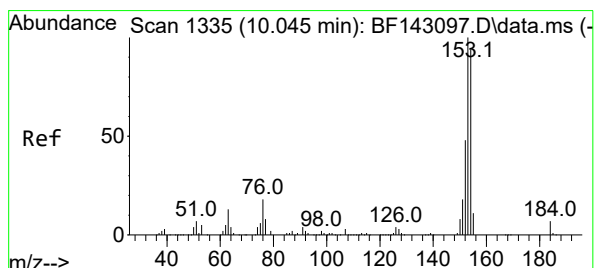
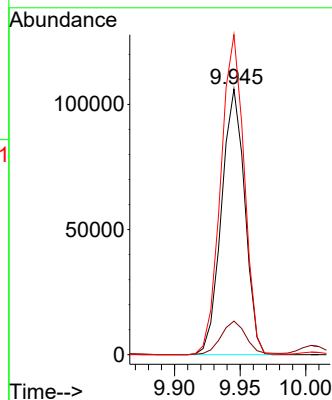
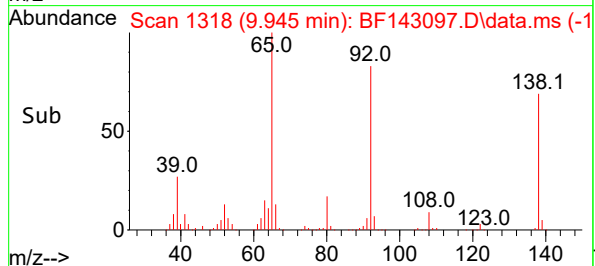
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:138 Resp: 13095
Ion Ratio Lower Upper
138 100
108 12.6 10.1 15.1
92 120.5 96.4 144.6

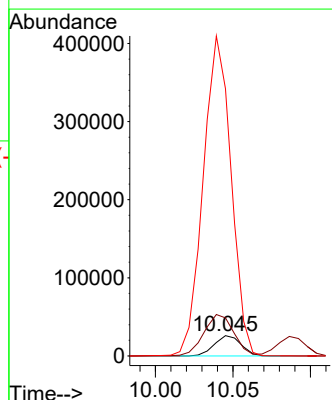
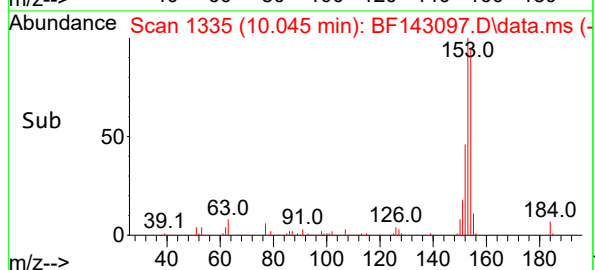
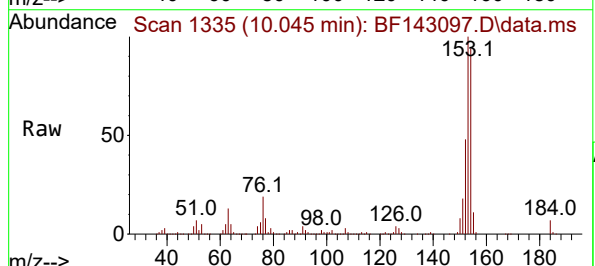
Manual Integrations
APPROVED

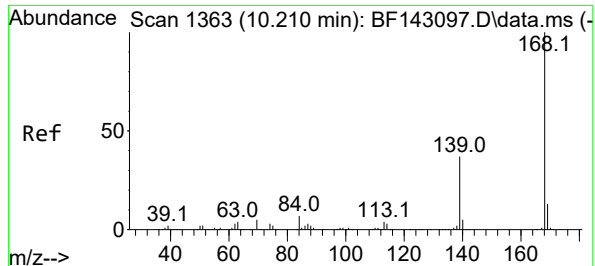
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#54
2,4-Dinitrophenol
Concen: 37.582 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

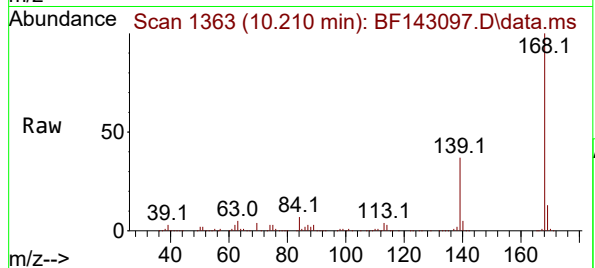
Tgt Ion:184 Resp: 31236
Ion Ratio Lower Upper
184 100
63 186.6 149.3 223.9
154 1310.0 1048.0 1572.0





#55
Dibenzenofuran
Concen: 39.524 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

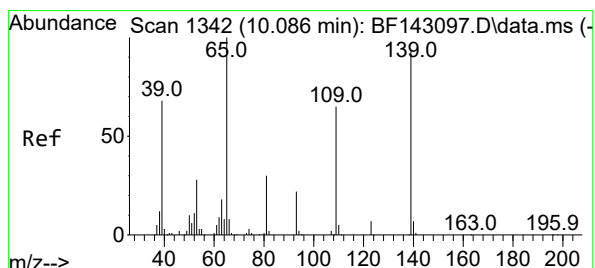
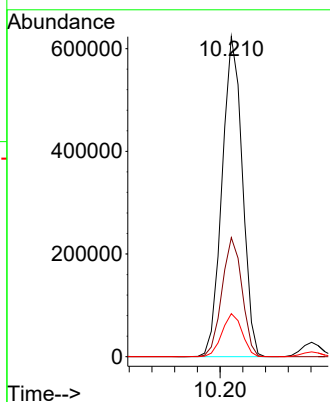
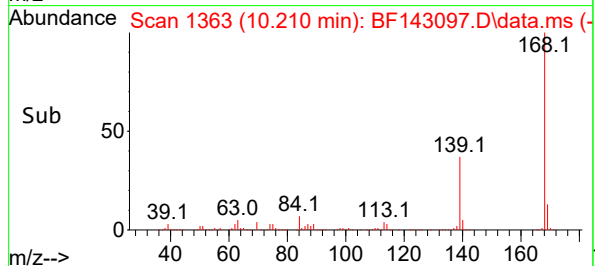
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:168 Resp: 772862
Ion Ratio Lower Upper
168 100
139 37.2 29.8 44.6
169 13.5 10.8 16.2

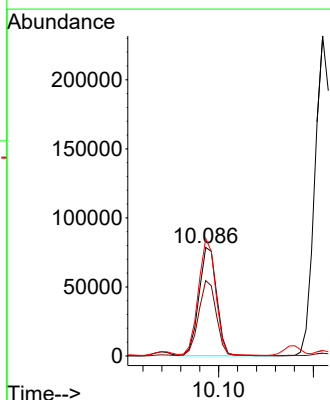
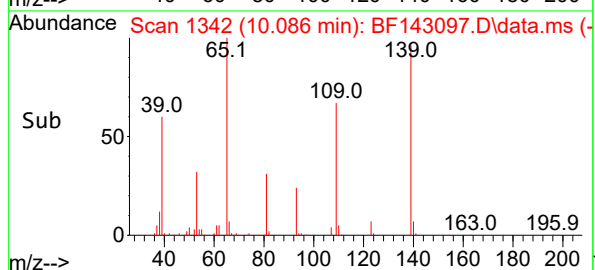
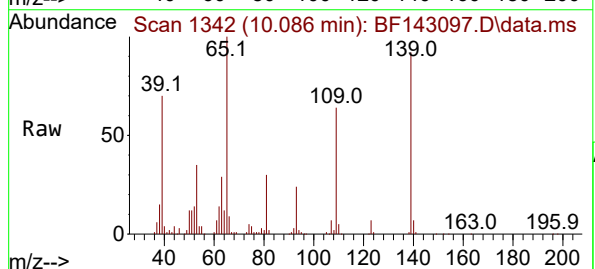
Manual Integrations
APPROVED

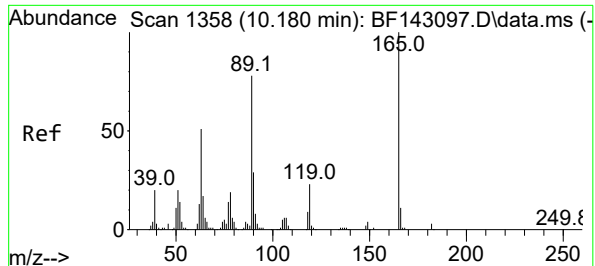
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#56
4-Nitrophenol
Concen: 41.436 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

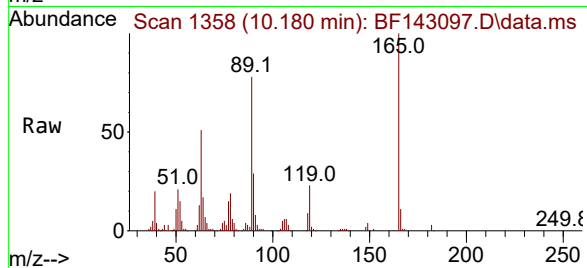
Tgt Ion:139 Resp: 101948
Ion Ratio Lower Upper
139 100
109 69.4 49.4 89.4
65 108.2 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 38.682 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

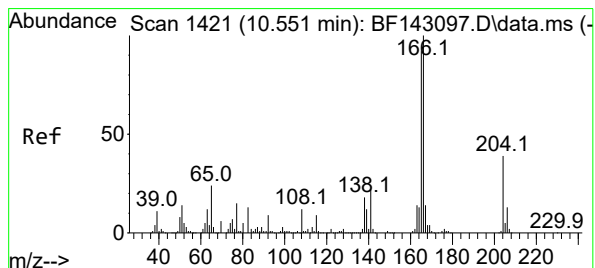
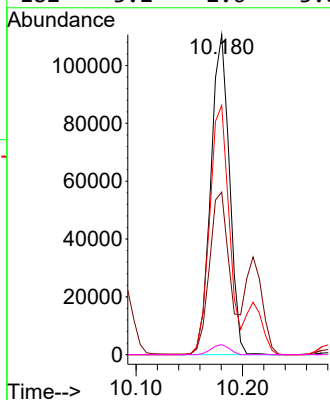
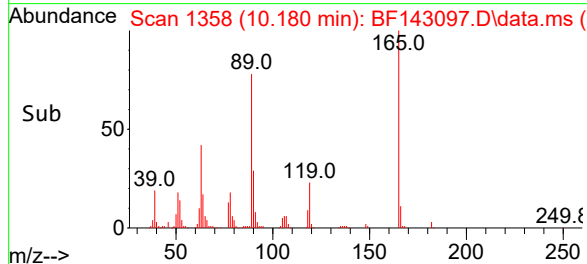
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



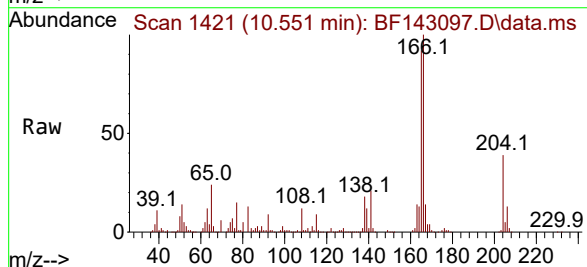
Tgt Ion:165 Resp: 13424
Ion Ratio Lower Upper
165 100
63 50.8 40.6 61.0
89 77.9 62.3 93.5
182 3.2 2.6 3.8

Manual Integrations
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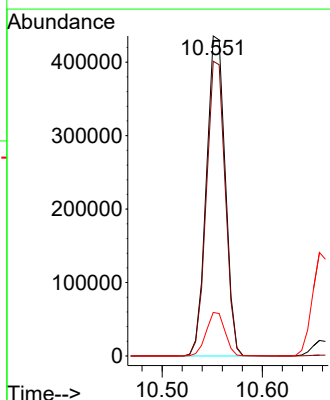
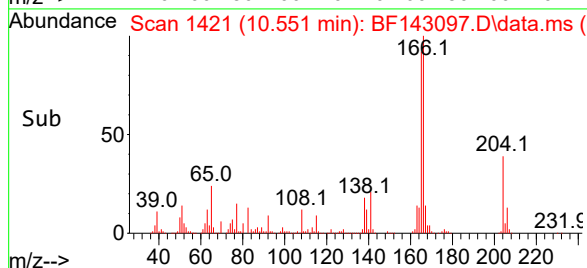
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

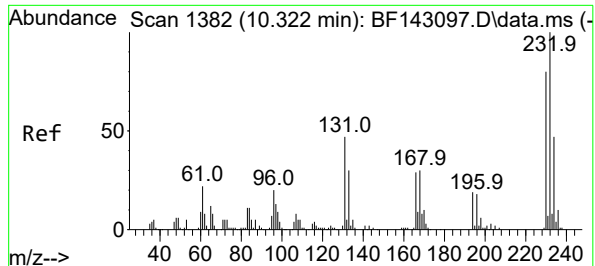


#58
Fluorene
Concen: 38.710 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05



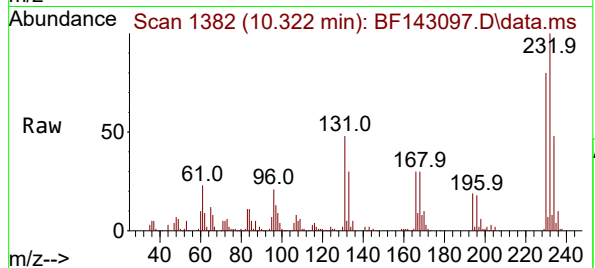
Tgt Ion:166 Resp: 567511
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.334 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

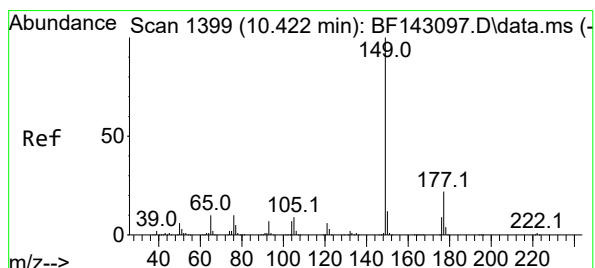
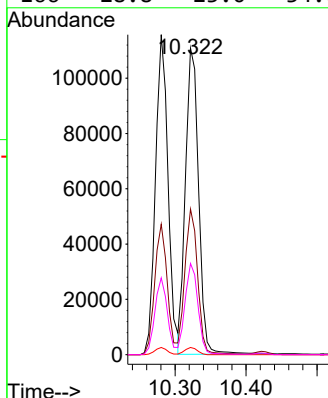
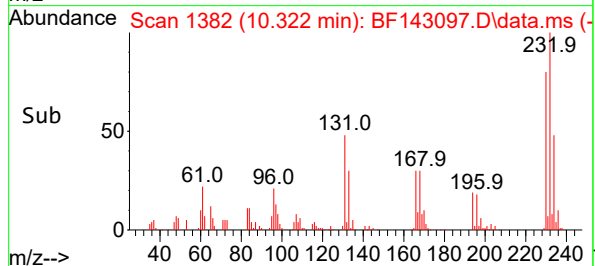
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:232 Resp: 142021
Ion Ratio Lower Upper
232 100
131 46.1 36.9 55.3
130 2.3 1.8 2.8
166 28.8 23.0 34.6

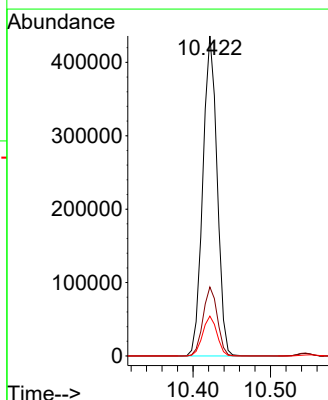
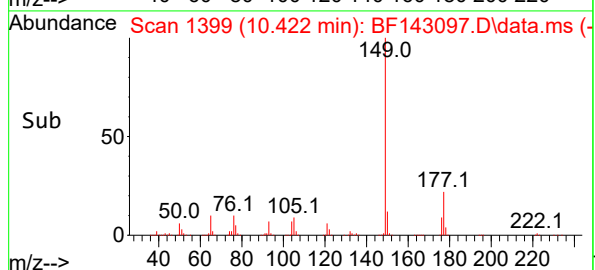
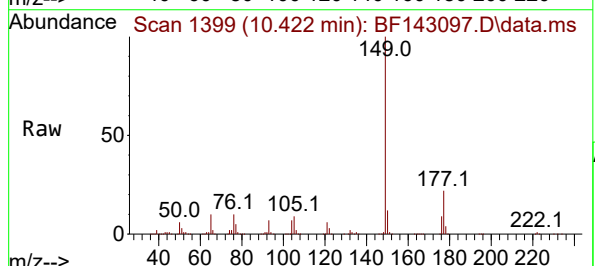
Manual Integrations
APPROVED

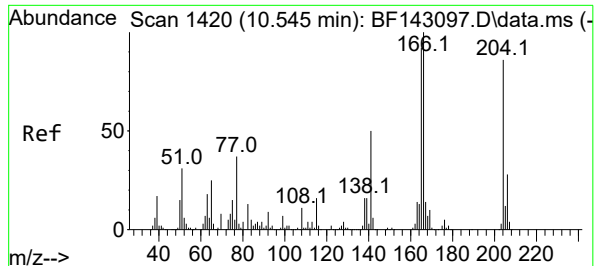
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#60
Diethylphthalate
Concen: 40.349 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

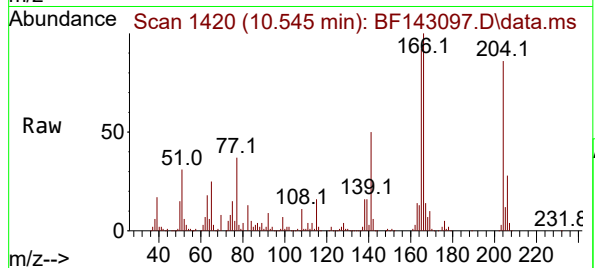
Tgt Ion:149 Resp: 557712
Ion Ratio Lower Upper
149 100
177 21.6 17.3 25.9
150 12.4 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 39.822 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

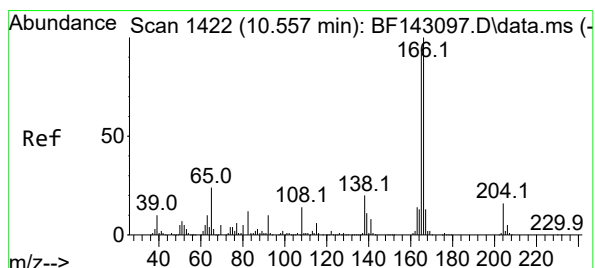
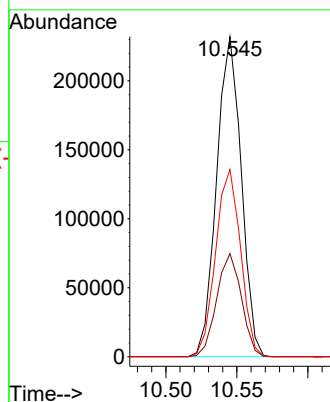
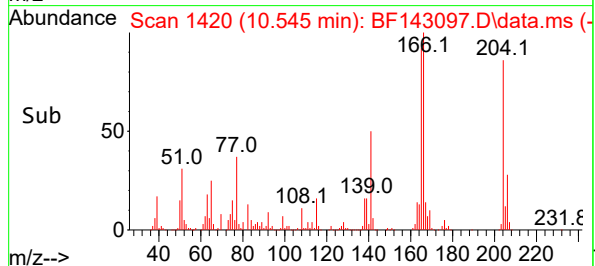
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



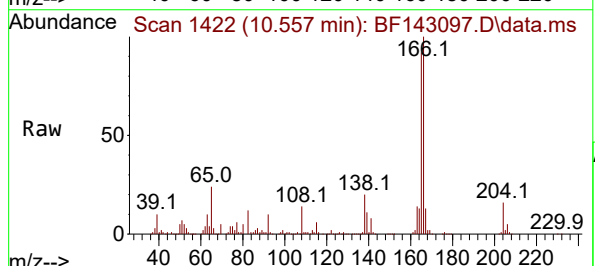
Tgt Ion:204 Resp: 27981
Ion Ratio Lower Upper
204 100
206 32.2 25.8 38.6
141 58.5 46.8 70.2

Manual Integrations
APPROVED

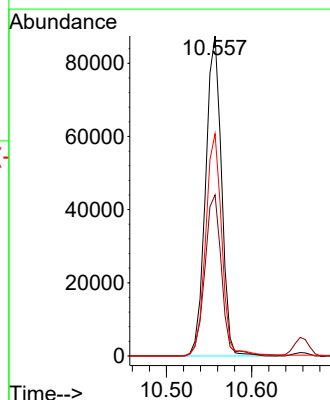
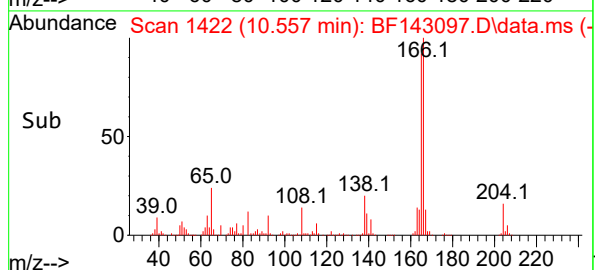
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

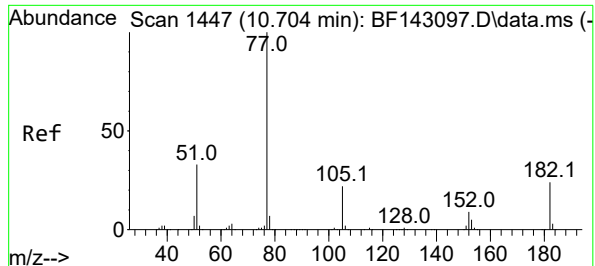


#62
4-Nitroaniline
Concen: 42.106 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05



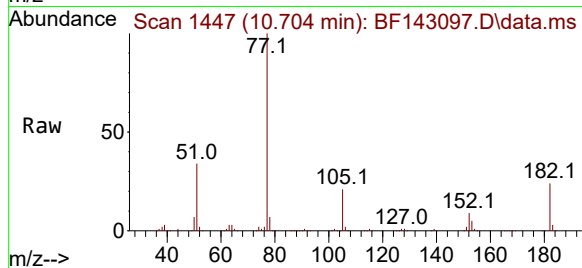
Tgt Ion:138 Resp: 113355
Ion Ratio Lower Upper
138 100
92 50.4 30.4 70.4
108 69.5 49.5 89.5





#63
Azobenzene
Concen: 39.558 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

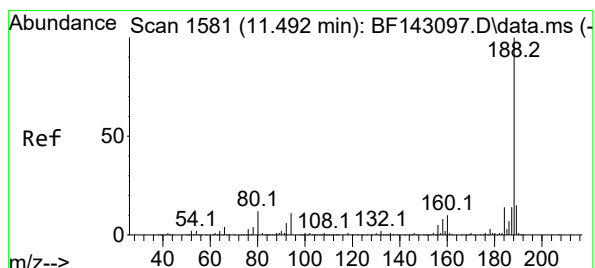
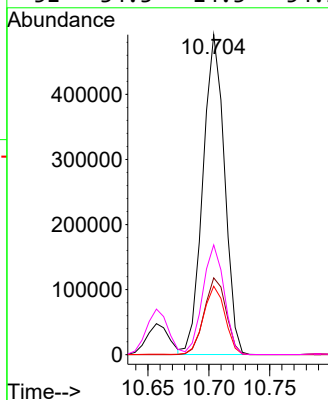
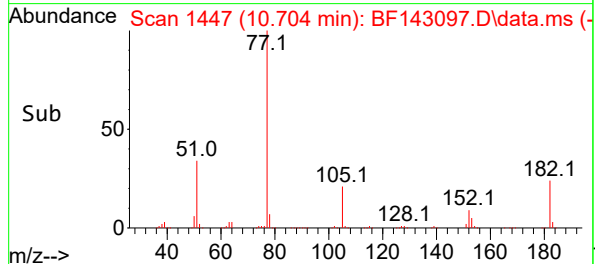
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 604710
Ion Ratio Lower Upper
77 100
182 24.0 4.0 44.0
105 21.4 1.4 41.4
51 34.3 14.3 54.3

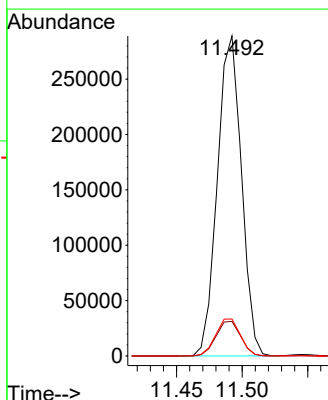
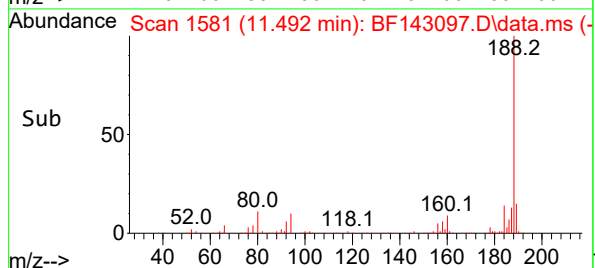
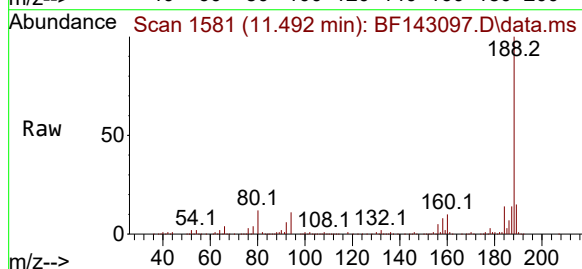
Manual Integrations
APPROVED

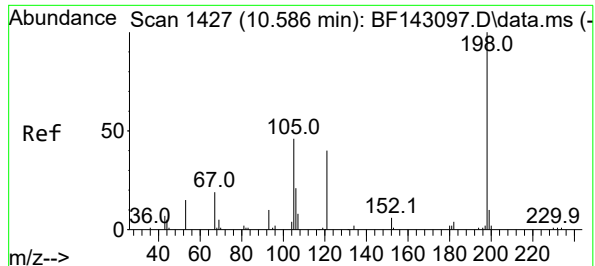
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:188 Resp: 369241
Ion Ratio Lower Upper
188 100
94 10.8 8.6 13.0
80 11.6 9.3 13.9





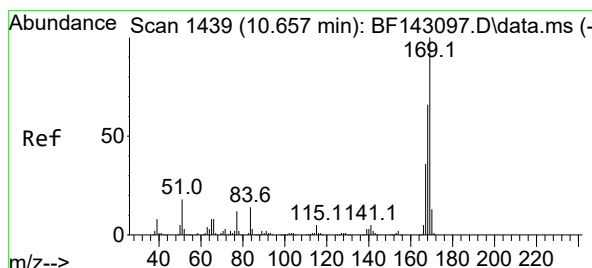
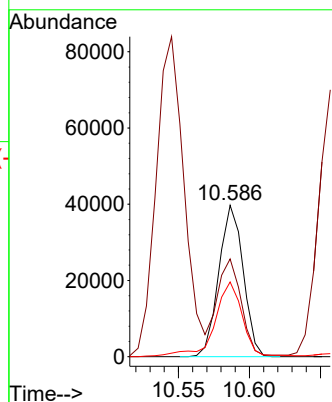
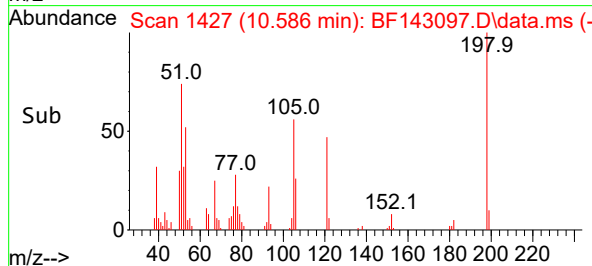
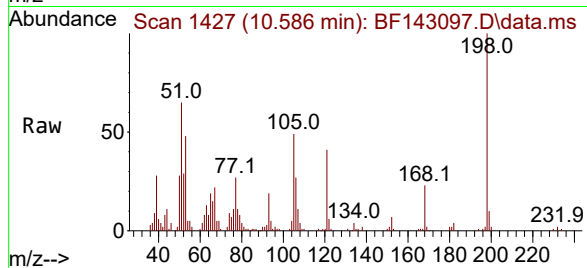
#65
4,6-Dinitro-2-methylphenol
Concen: 37.223 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 47349
Ion Ratio Lower Upper
198 100
51 64.6 44.6 84.6
105 49.3 29.3 69.3

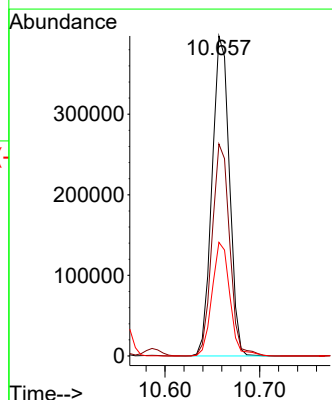
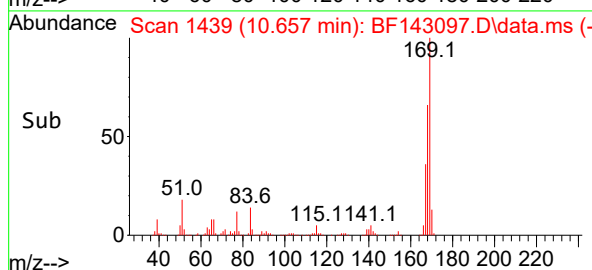
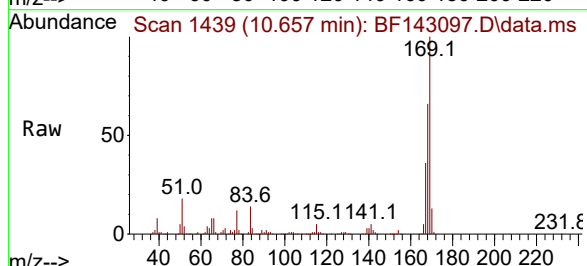
Manual Integrations
APPROVED

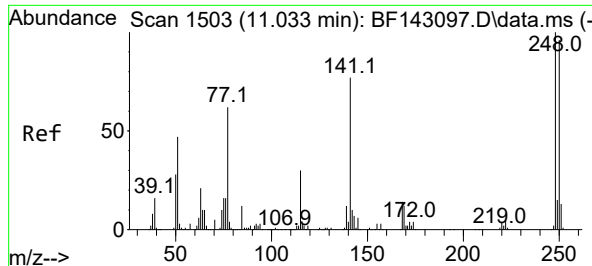
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#66
n-Nitrosodiphenylamine
Concen: 38.827 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

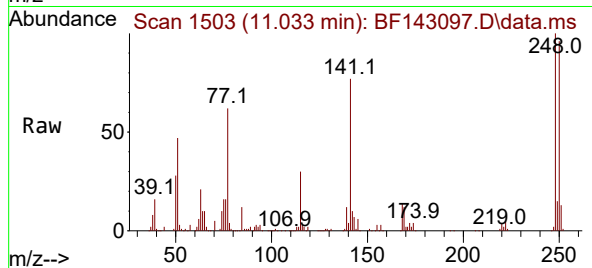
Tgt Ion:169 Resp: 503590
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.6
167 35.5 28.4 42.6





#67
4-Bromophenyl-phenylether
Concen: 39.088 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

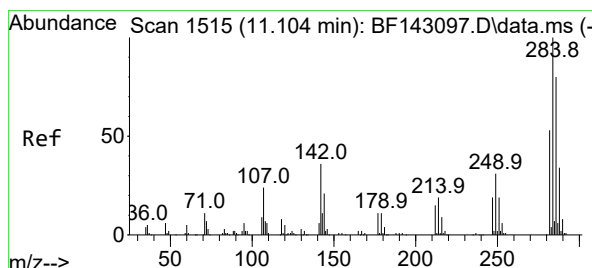
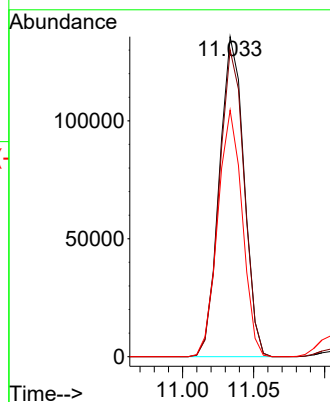
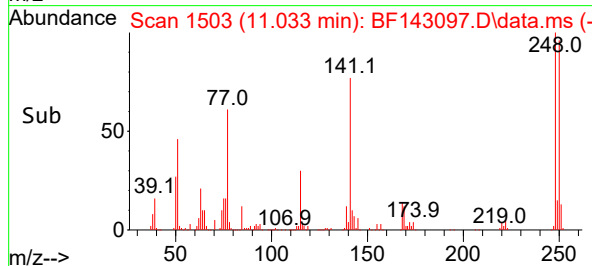
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



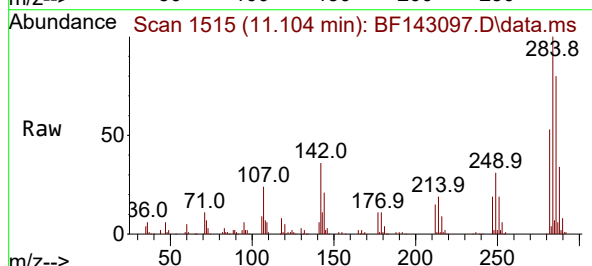
Tgt Ion:248 Resp: 16413
Ion Ratio Lower Upper
248 100
250 95.9 76.7 115.1
141 77.1 61.7 92.5

Manual Integrations
APPROVED

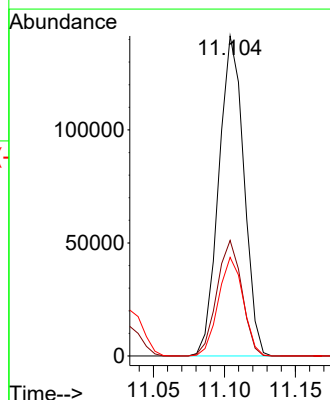
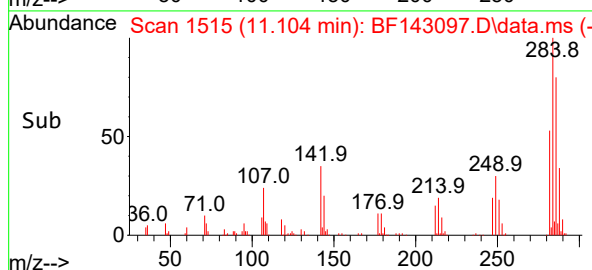
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

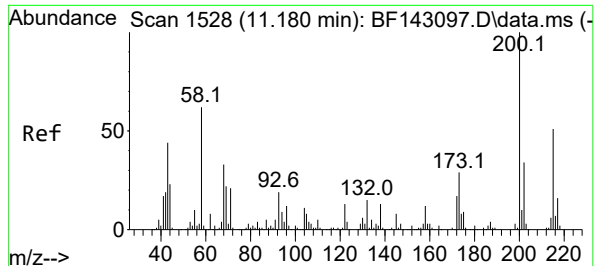


#68
Hexachlorobenzene
Concen: 39.034 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05



Tgt Ion:284 Resp: 173911
Ion Ratio Lower Upper
284 100
142 36.1 28.9 43.3
249 30.8 24.6 37.0





#69

Atrazine

Concen: 40.206 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:200 Resp: 133410

Ion Ratio Lower Upper

200 100

173 29.1 9.1 49.1

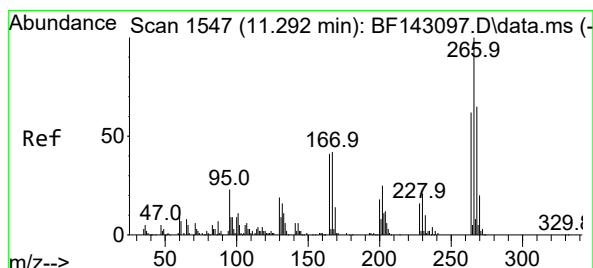
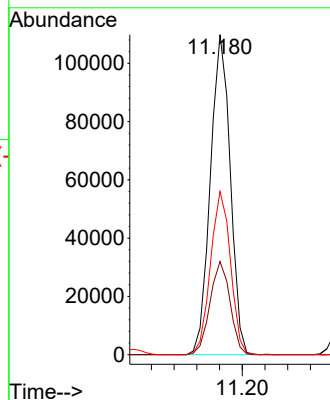
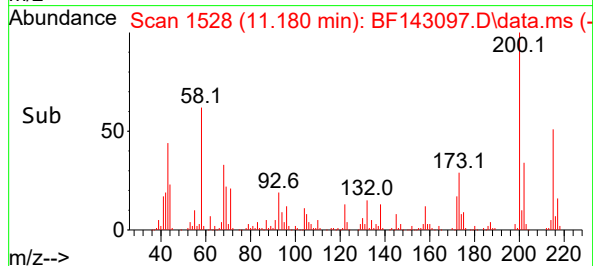
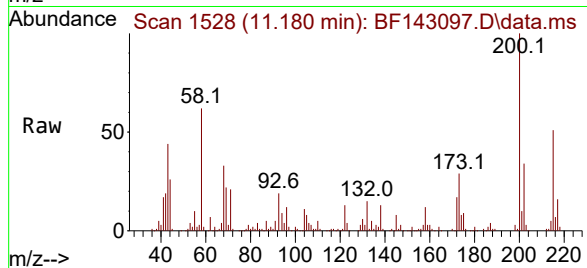
215 51.0 31.0 71.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#70

Pentachlorophenol

Concen: 39.938 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

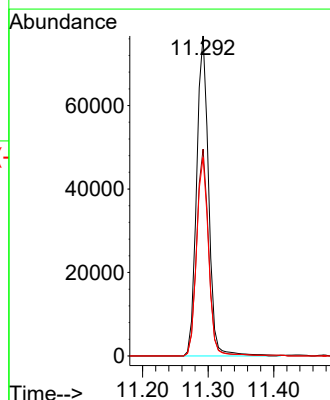
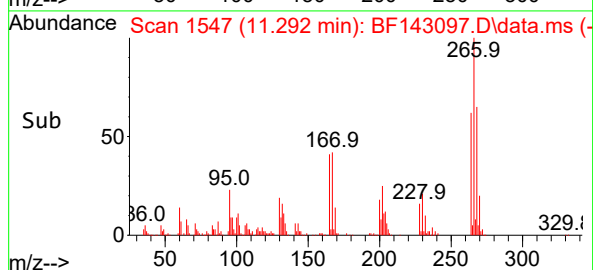
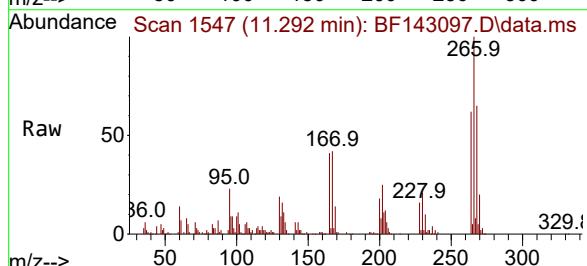
Tgt Ion:266 Resp: 97625

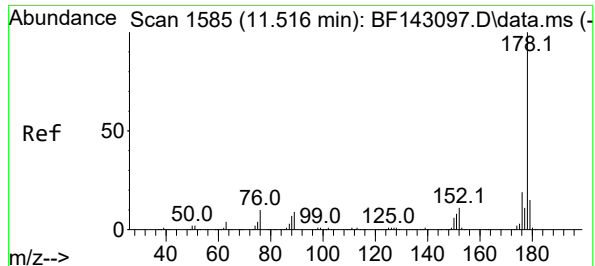
Ion Ratio Lower Upper

266 100

268 64.7 51.8 77.6

264 62.1 49.7 74.5





#71

Phenanthrene

Concen: 38.609 ng

RT: 11.516 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:178 Resp: 769372

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

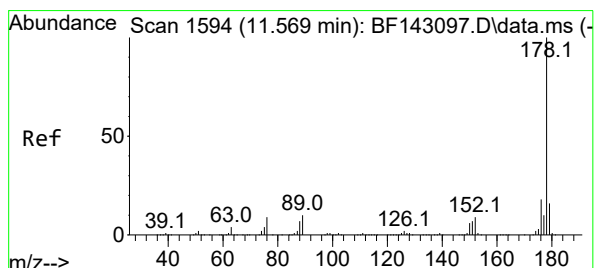
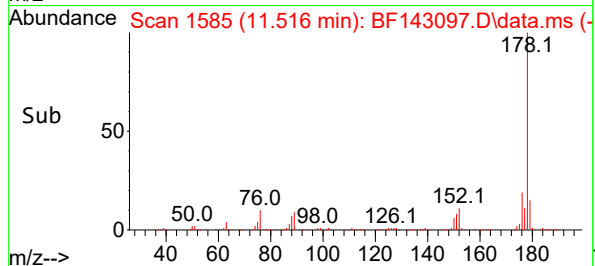
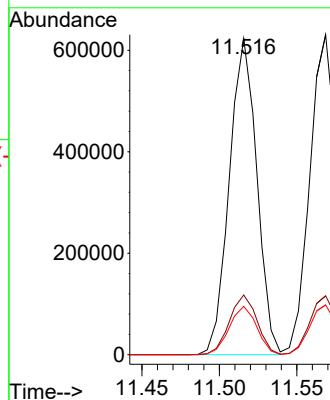
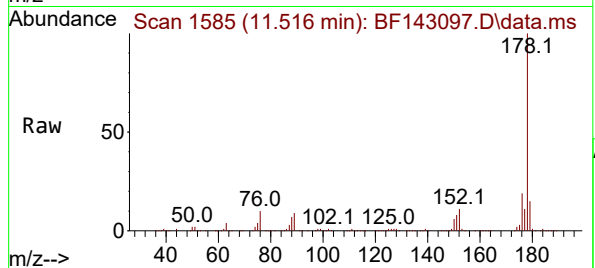
179 15.3 12.2 18.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#72

Anthracene

Concen: 38.961 ng

RT: 11.569 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

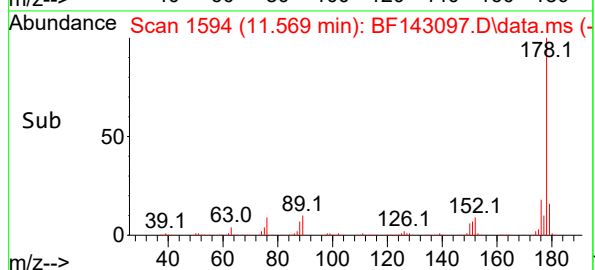
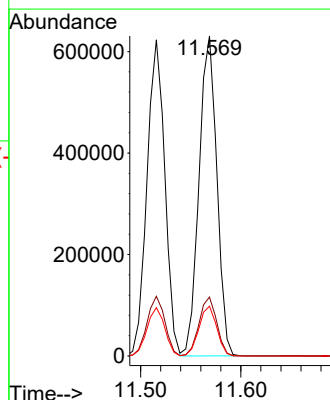
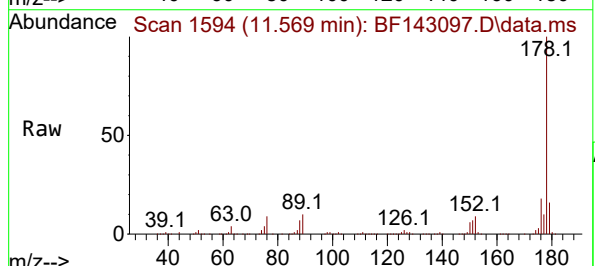
Tgt Ion:178 Resp: 780754

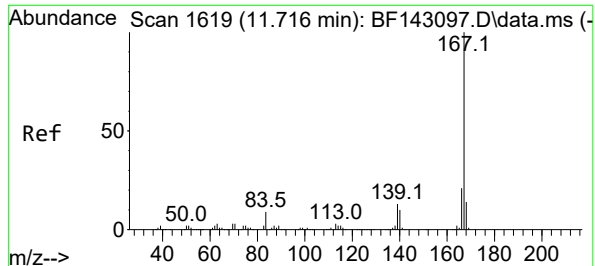
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

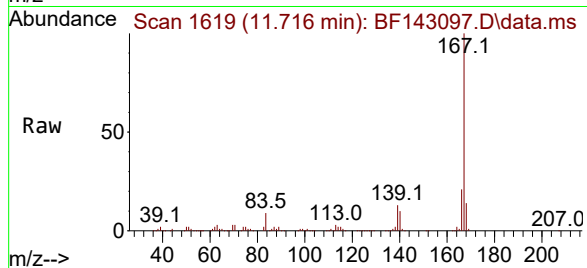
179 15.5 12.4 18.6





#73
Carbazole
Concen: 38.572 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

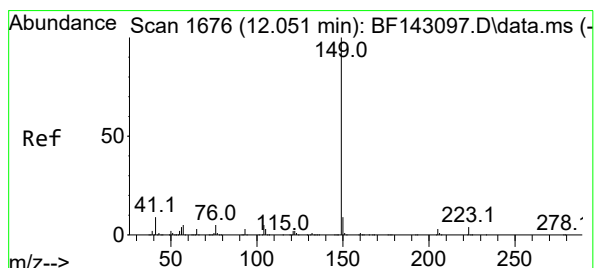
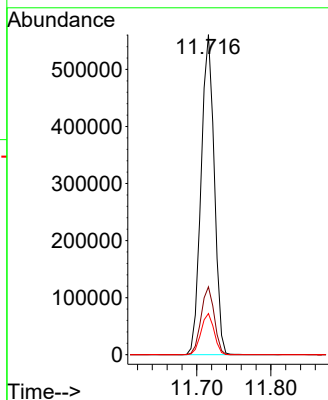
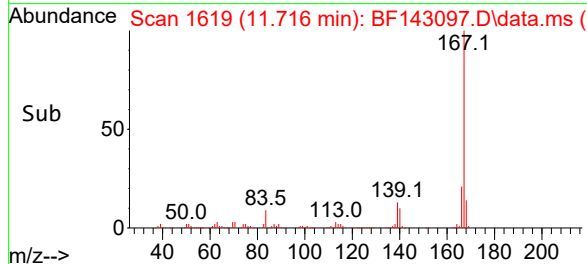
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



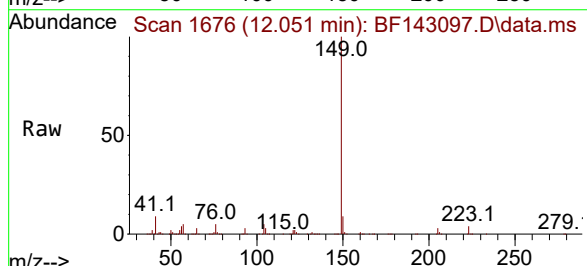
Tgt Ion:167 Resp: 692468
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.8 10.2 15.4

Manual Integrations
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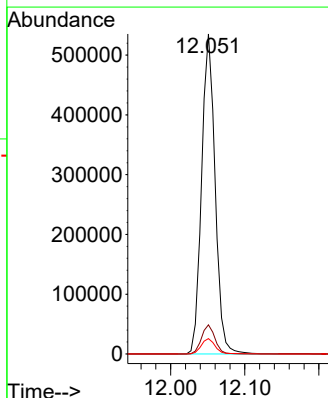
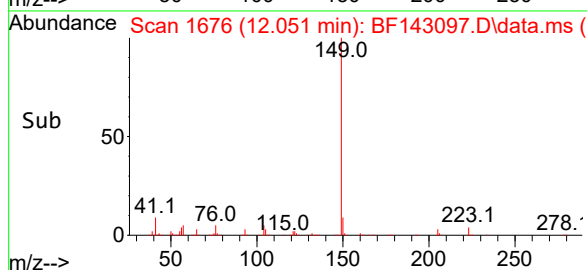
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

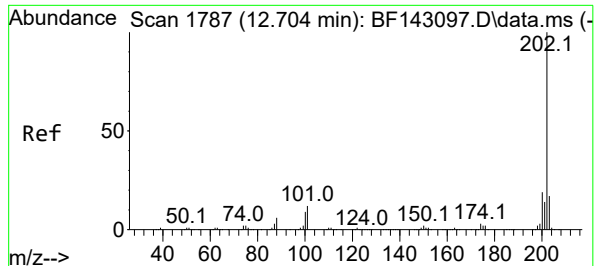


#74
Di-n-butylphthalate
Concen: 41.288 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05



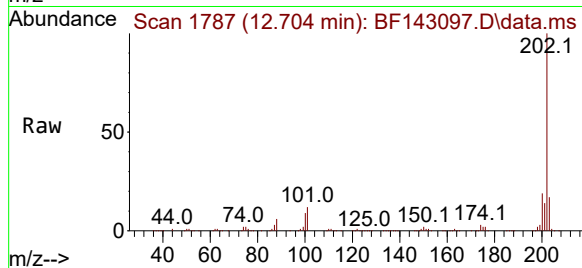
Tgt Ion:149 Resp: 680394
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 4.8 3.8 5.8





#75
Fluoranthene
Concen: 39.115 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

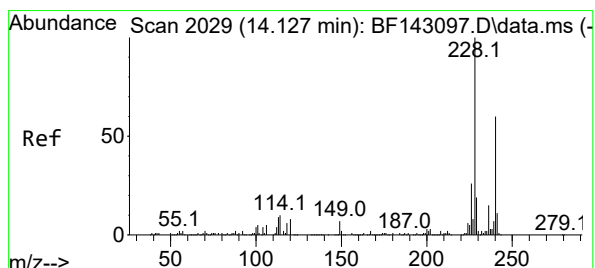
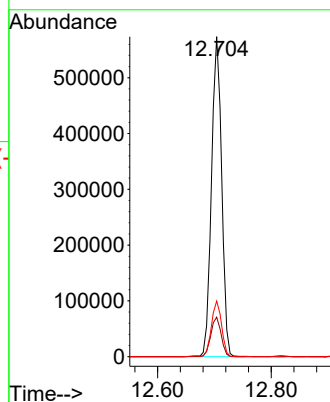
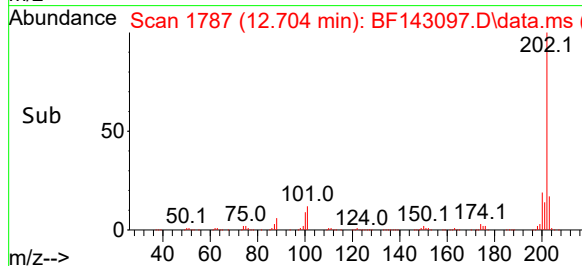
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 708730
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.4
203 17.4 0.0 37.4

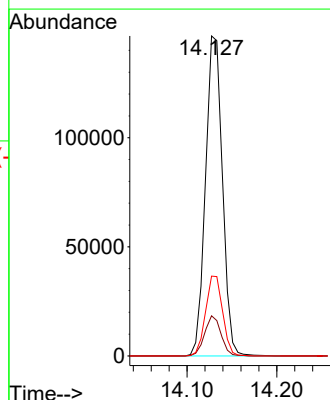
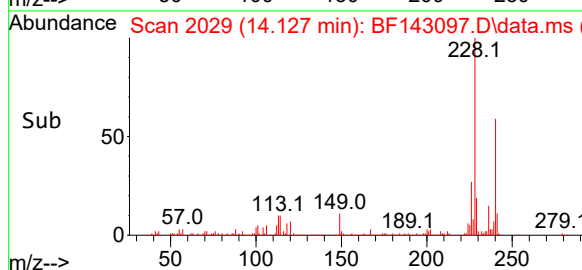
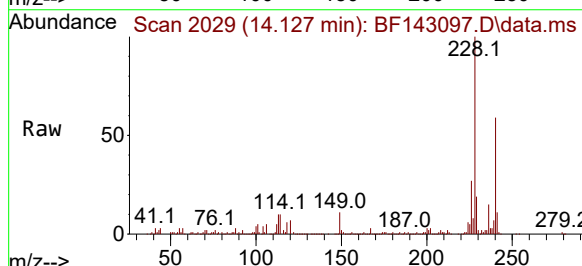
Manual Integrations
APPROVED

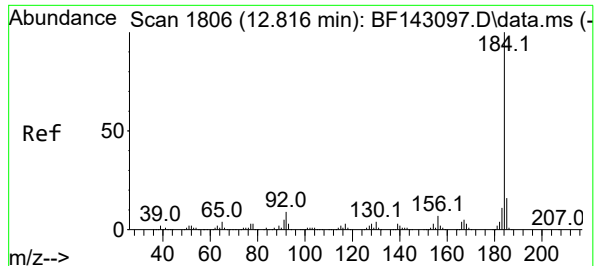
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

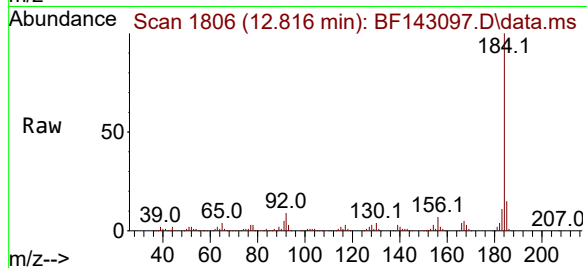
Tgt Ion:240 Resp: 192349
Ion Ratio Lower Upper
240 100
120 12.5 10.0 15.0
236 25.0 20.0 30.0





#77
Benzidine
Concen: 48.989 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

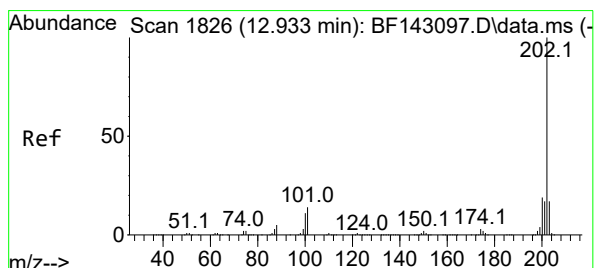
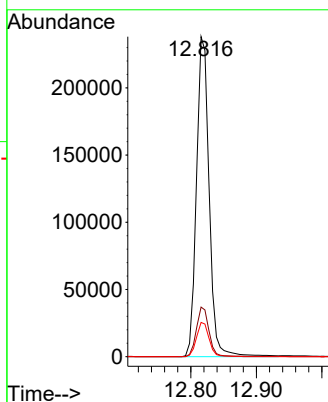
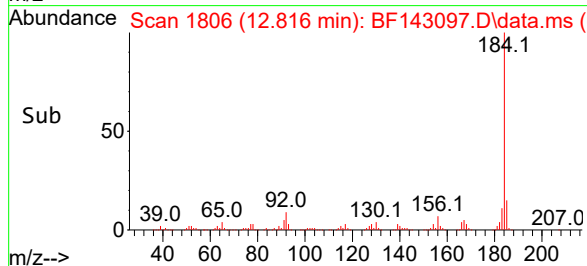
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:184 Resp: 321029
Ion Ratio Lower Upper
184 100
185 15.5 12.4 18.6
183 10.7 8.6 12.8

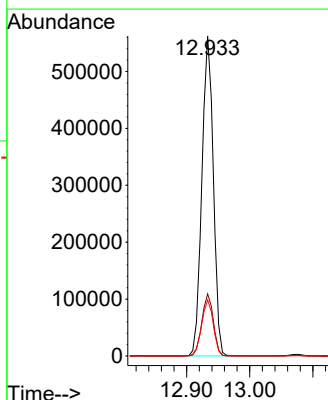
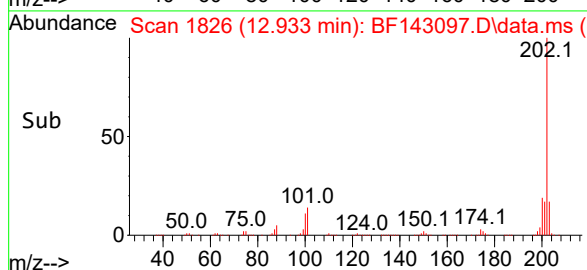
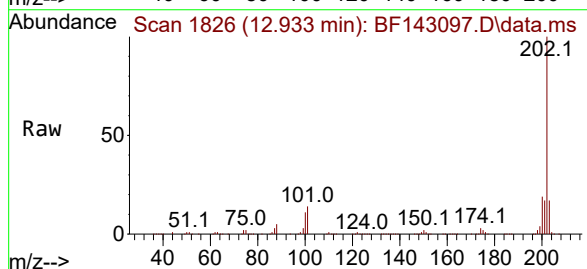
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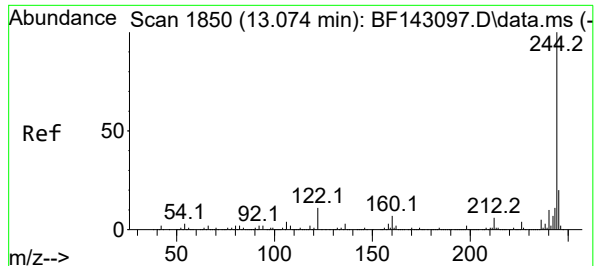
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#78
Pyrene
Concen: 39.706 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:202 Resp: 708631
Ion Ratio Lower Upper
202 100
200 19.4 15.5 23.3
203 17.5 14.0 21.0





#79

Terphenyl-d14

Concen: 78.547 ng

RT: 13.074 min Scan# 1850

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:244 Resp: 1033540

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

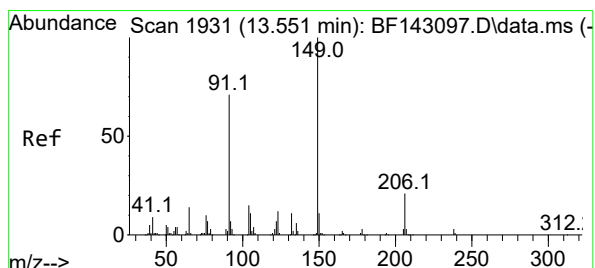
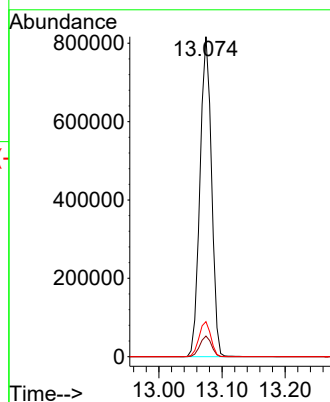
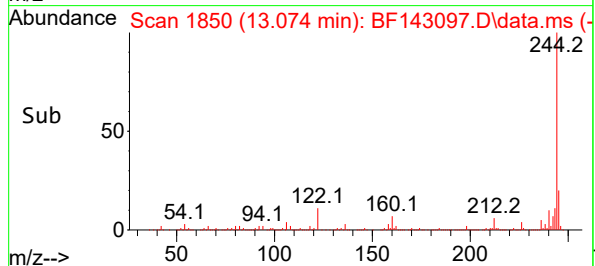
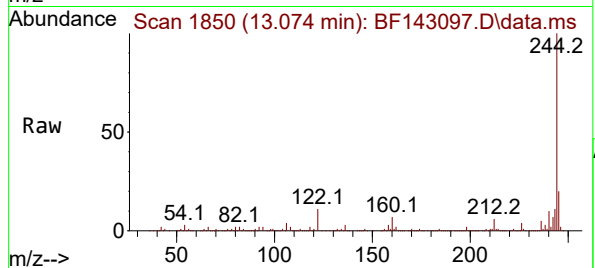
122 11.0 8.8 13.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#80

Butylbenzylphthalate

Concen: 37.625 ng

RT: 13.551 min Scan# 1931

Delta R.T. -0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

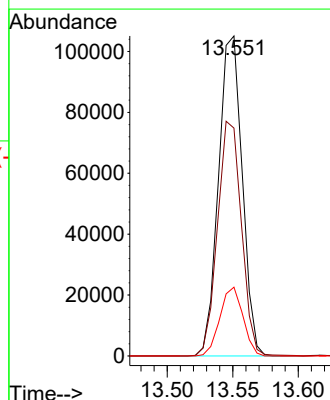
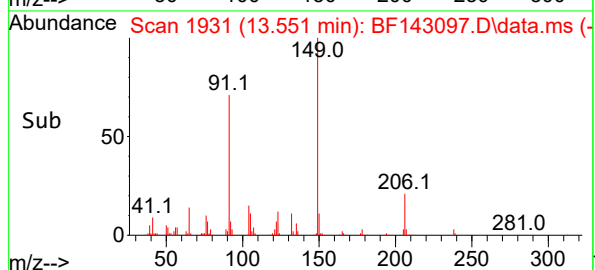
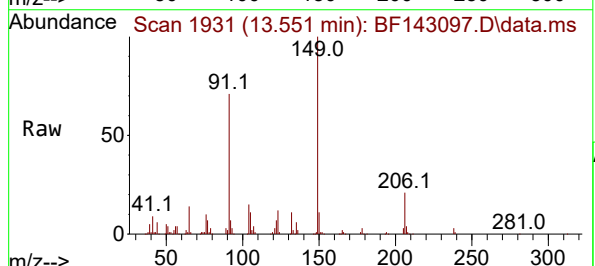
Tgt Ion:149 Resp: 132061

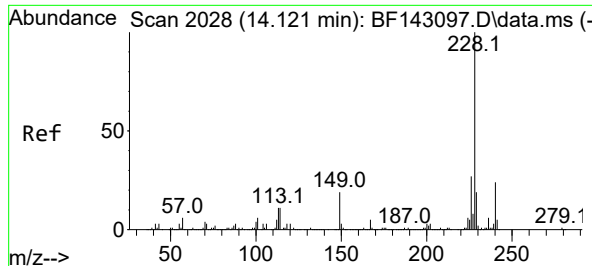
Ion Ratio Lower Upper

149 100

91 71.2 57.0 85.4

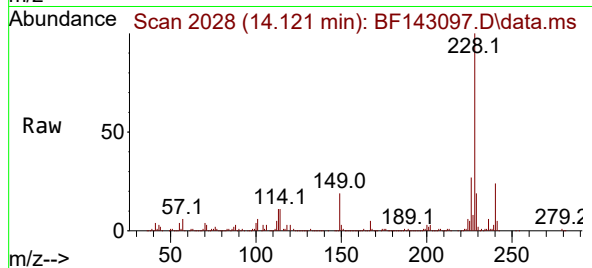
206 21.5 17.2 25.8





#81
Benzo(a)anthracene
Concen: 40.424 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

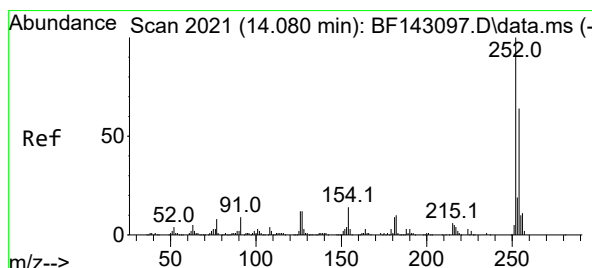
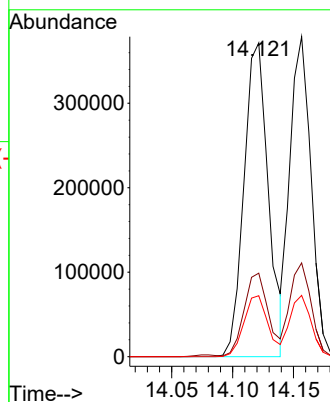
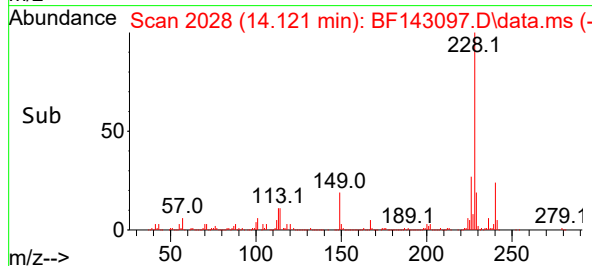
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



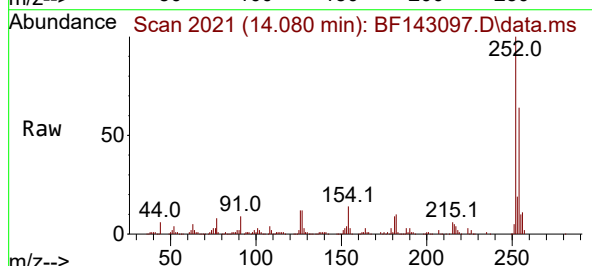
Tgt Ion:228 Resp: 51813
Ion Ratio Lower Upper
228 100
226 26.6 21.3 31.9
229 19.4 15.5 23.3

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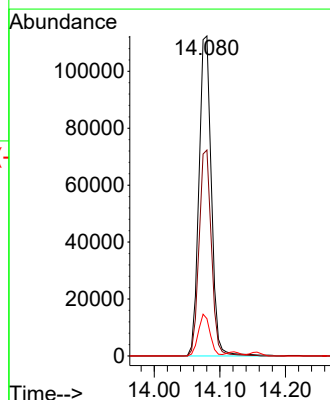
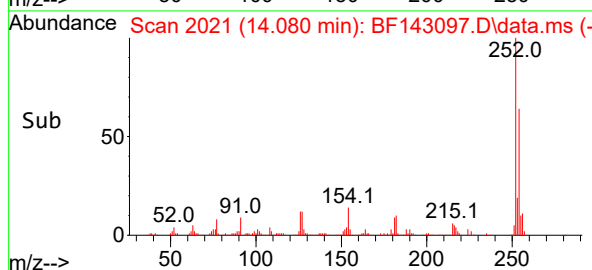
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

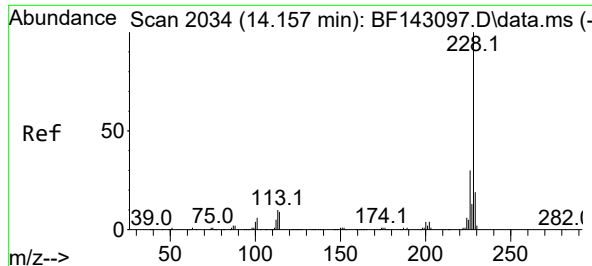


#82
3,3'-Dichlorobenzidine
Concen: 39.841 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05



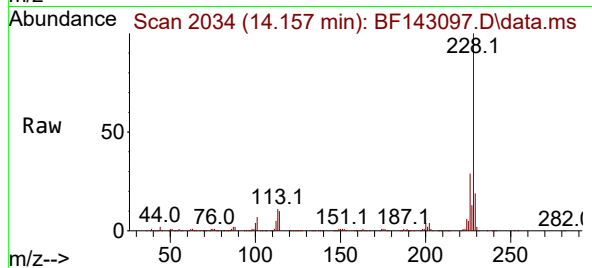
Tgt Ion:252 Resp: 148294
Ion Ratio Lower Upper
252 100
254 64.4 51.5 77.3
126 11.7 9.4 14.0





#83
Chrysene
Concen: 39.134 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

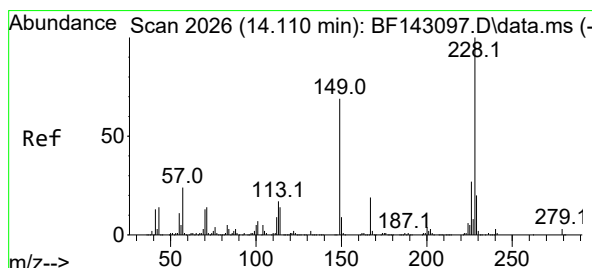
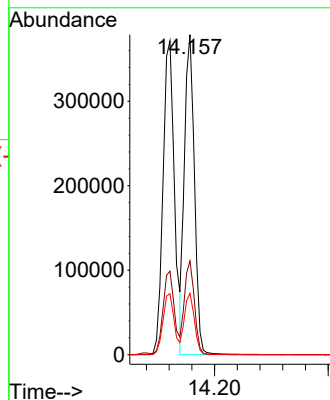
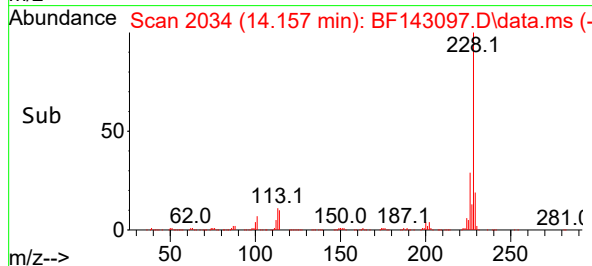
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 461979
Ion Ratio Lower Upper
228 100
226 29.3 23.4 35.2
229 19.1 15.3 22.9

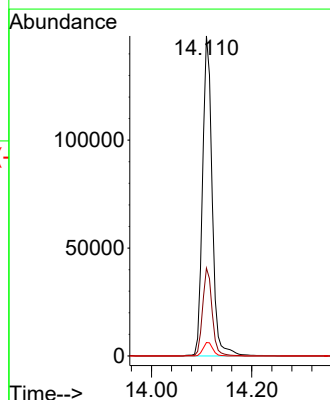
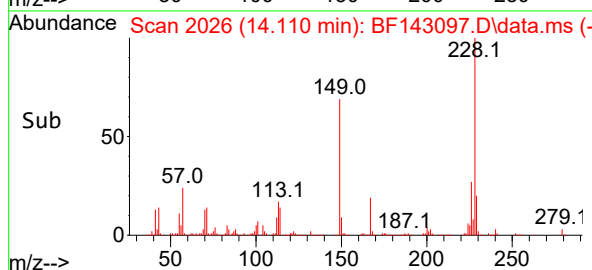
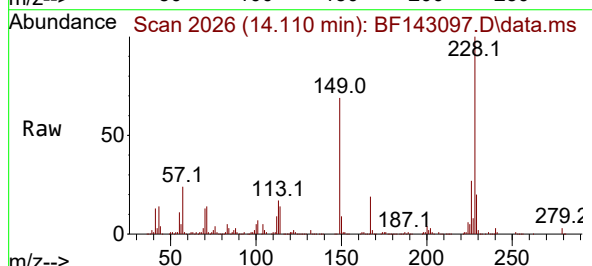
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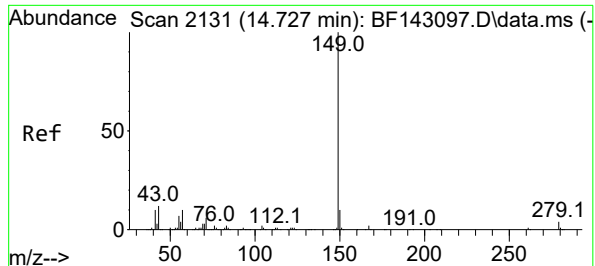
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 37.454 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

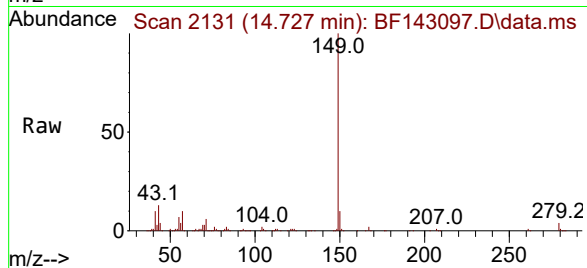
Tgt Ion:149 Resp: 198176
Ion Ratio Lower Upper
149 100
167 27.4 21.9 32.9
279 4.2 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 36.531 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

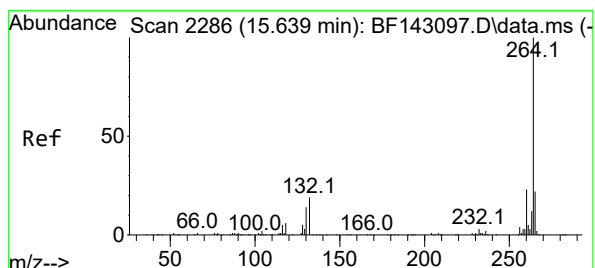
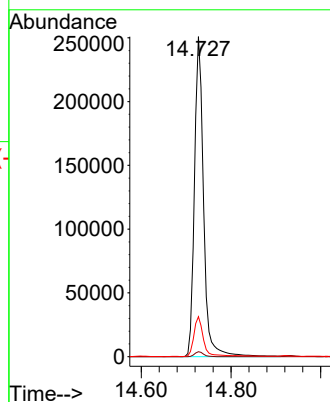
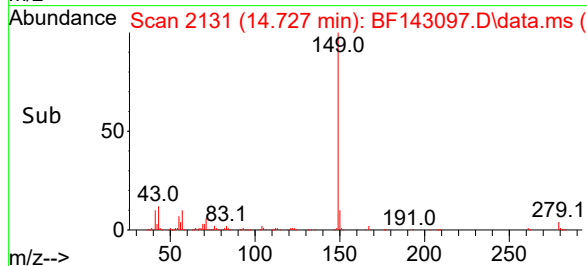
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 35474
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 13.3 10.6 16.0

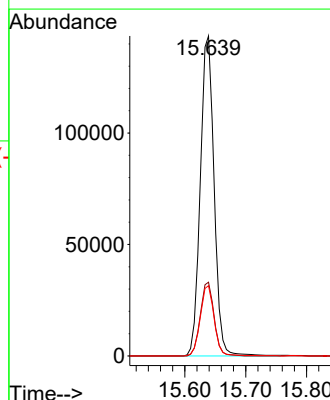
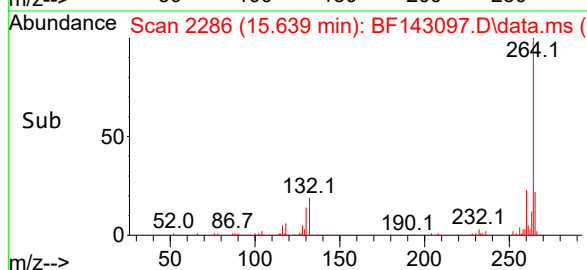
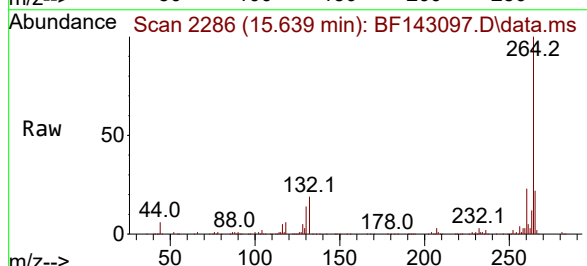
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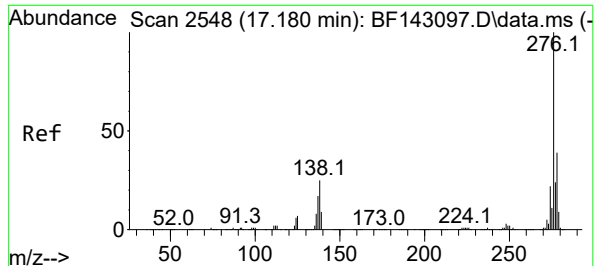
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

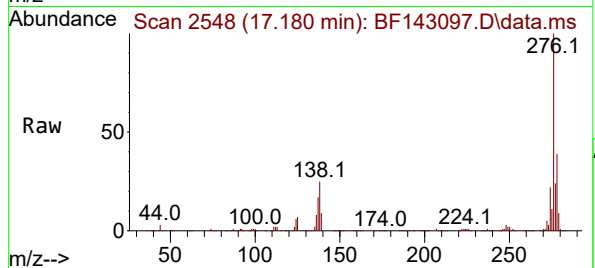
Tgt Ion:264 Resp: 226517
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.9 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.912 ng
RT: 17.180 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

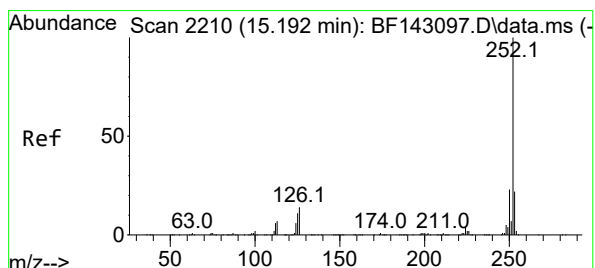
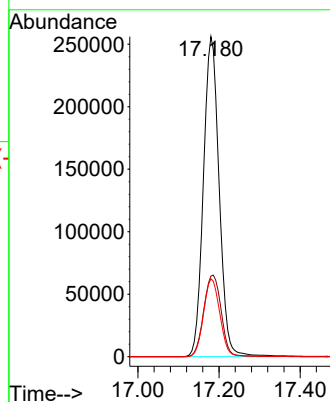
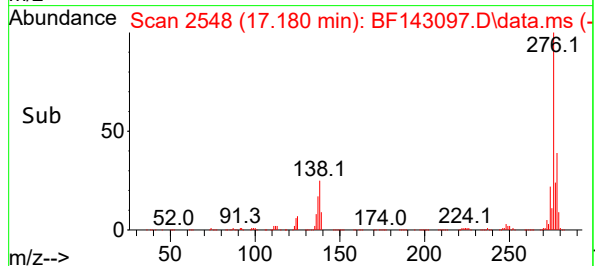
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 276 Resp: 68927
Ion Ratio Lower Upper
276 100
138 28.3 22.6 34.0
277 25.2 20.2 30.2

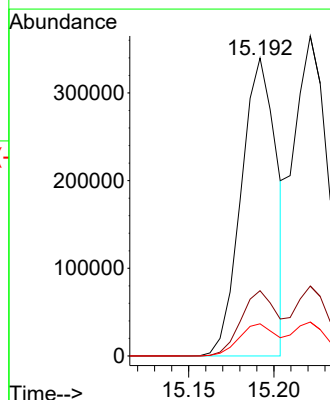
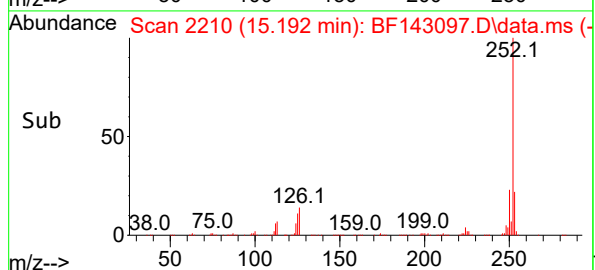
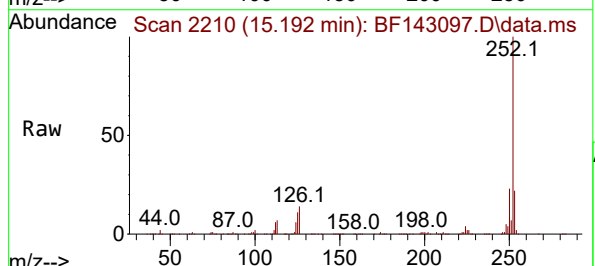
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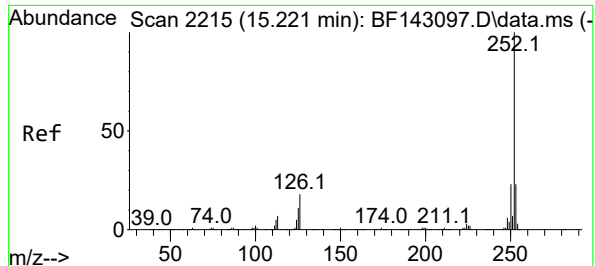
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#88
Benzo(b)fluoranthene
Concen: 37.520 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 252 Resp: 490240
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 41.721 ng

RT: 15.221 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 520058

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

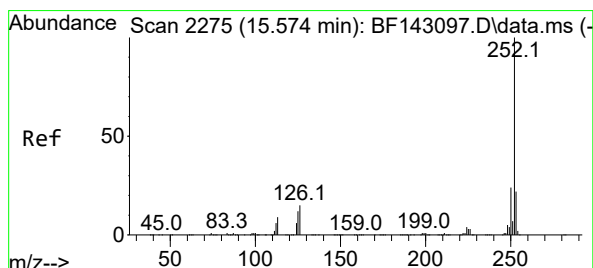
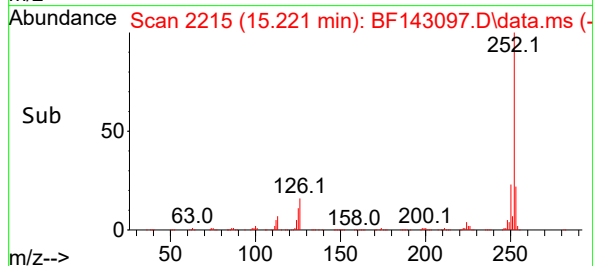
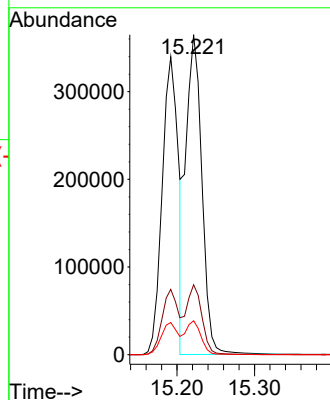
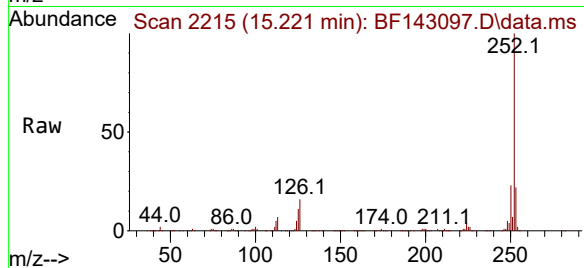
125 10.6 8.5 12.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#90

Benzo(a)pyrene

Concen: 41.215 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

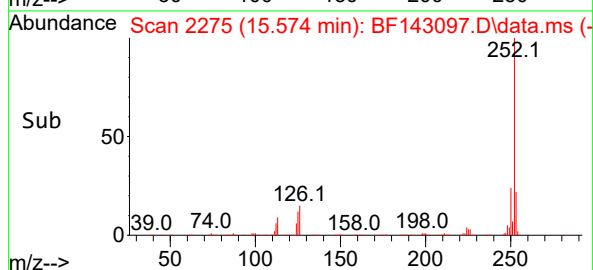
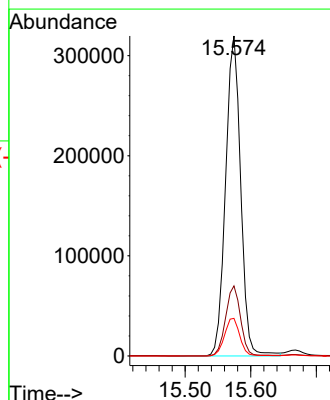
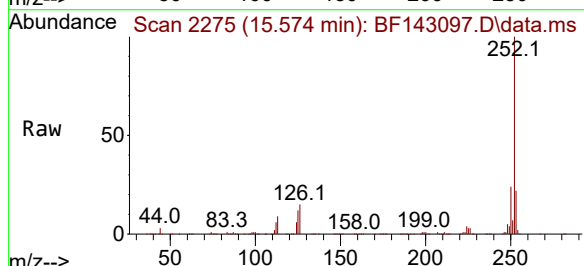
Tgt Ion:252 Resp: 509307

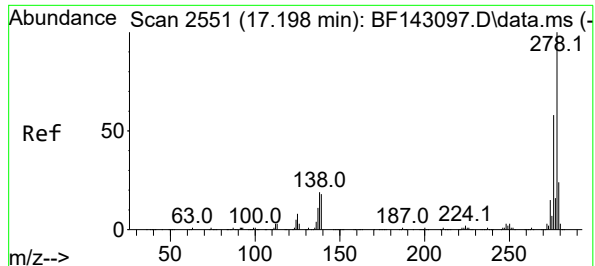
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.7 9.4 14.0





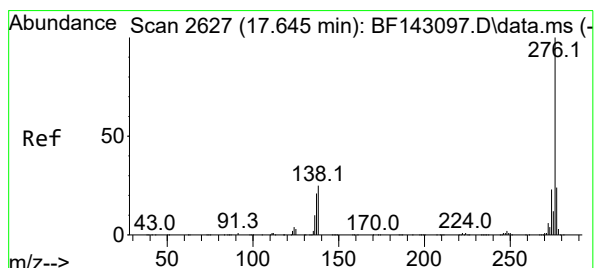
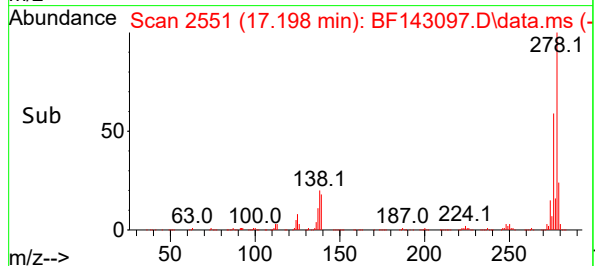
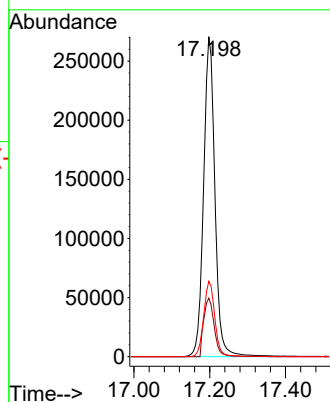
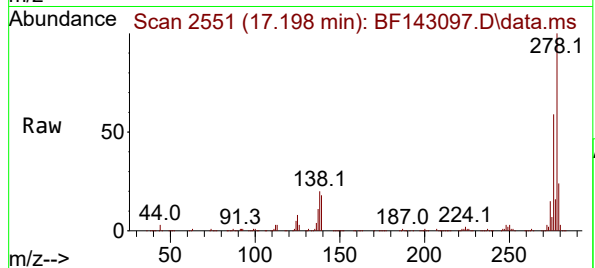
#91
Dibenzo(a,h)anthracene
Concen: 40.782 ng
RT: 17.198 min Scan# 2551
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 56166
Ion Ratio Lower Upper
278 100
139 18.3 14.6 22.0
279 23.5 18.8 28.2

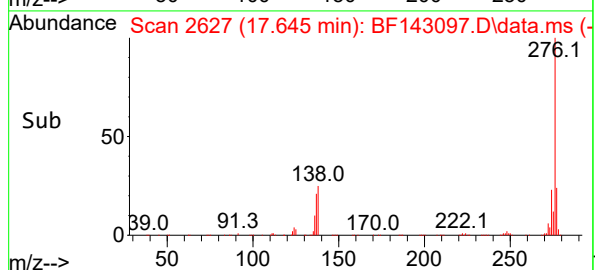
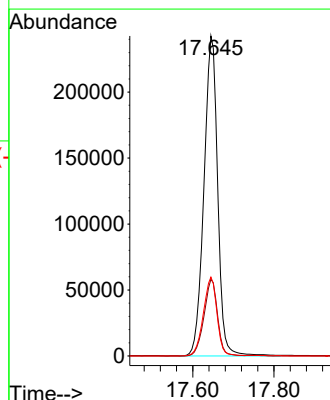
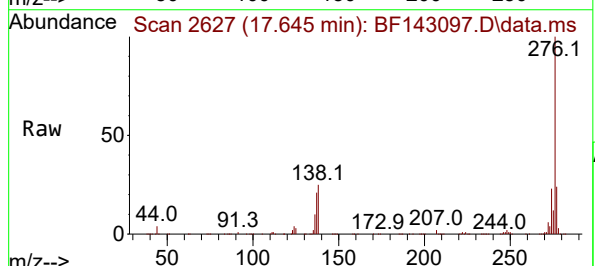
Manual Integrations
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Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 40.584 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:276 Resp: 569850
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 24.7 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143098.D
 Acq On : 15 Jul 2025 15:35
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

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Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:41:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	119035	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	456501	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	223126	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	354075	20.000	ng	0.00
76) Chrysene-d12	14.127	240	183692	20.000	ng	0.00
86) Perylene-d12	15.633	264	221502	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	776953	103.124	ng	0.00
7) Phenol-d6	6.587	99	978105	103.280	ng	0.00
23) Nitrobenzene-d5	7.528	82	911721	112.035	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	227678	114.439	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1628659	97.028	ng	0.00
79) Terphenyl-d14	13.075	244	1271626	101.195	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.811	88	196652	52.435	ng	99
3) Pyridine	3.581	79	500208	52.670	ng	99
4) n-Nitrosodimethylamine	3.528	42	261539	53.153	ng	100
6) Aniline	6.628	93	699680	52.465	ng	100
8) 2-Chlorophenol	6.751	128	405741	53.601	ng	100
9) Benzaldehyde	6.516	77	431994	59.864	ng	98
10) Phenol	6.598	94	529842m	51.680	ng	
11) bis(2-Chloroethyl)ether	6.698	93	408091	51.417	ng	98
12) 1,3-Dichlorobenzene	6.910	146	437876	51.203	ng	99
13) 1,4-Dichlorobenzene	6.987	146	441012	51.260	ng	100
14) 1,2-Dichlorobenzene	7.140	146	421724	51.401	ng	98
15) Benzyl Alcohol	7.104	79	373560	53.234	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	748892	51.187	ng	100
17) 2-Methylphenol	7.210	107	342357	52.409	ng	99
18) Hexachloroethane	7.487	117	148761	53.114	ng	98
19) n-Nitroso-di-n-propyla...	7.381	70	302685	52.169	ng	99
20) 3+4-Methylphenols	7.363	107	422794	52.776	ng	93
22) Acetophenone	7.375	105	549763	49.959	ng	97
24) Nitrobenzene	7.545	77	439273	55.918	ng	100
25) Isophorone	7.787	82	819274	52.088	ng	100
26) 2-Nitrophenol	7.863	139	160386	50.837	ng	99
27) 2,4-Dimethylphenol	7.893	122	379432	51.976	ng	100
28) bis(2-Chloroethoxy)met...	7.993	93	483608	50.704	ng	99
29) 2,4-Dichlorophenol	8.098	162	319968	53.575	ng	99
30) 1,2,4-Trichlorobenzene	8.193	180	345389	50.958	ng	99
31) Naphthalene	8.275	128	1126659	49.700	ng	100
32) Benzoic acid	7.998	122	180966	49.535	ng	98
33) 4-Chloroaniline	8.310	127	467074	51.237	ng	99
34) Hexachlorobutadiene	8.392	225	207797	51.263	ng	98
35) Caprolactam	8.681	113	99144	53.162	ng	96
36) 4-Chloro-3-methylphenol	8.787	107	350906	52.746	ng	98
37) 2-Methylnaphthalene	8.963	142	681726	50.410	ng	99
38) 1-Methylnaphthalene	9.063	142	701548	50.016	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	335206	51.551	ng	100
41) Hexachlorocyclopentadiene	9.122	237	198811	55.147	ng	98
43) 2,4,6-Trichlorophenol	9.234	196	223131	55.226	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143098.D
 Acq On : 15 Jul 2025 15:35
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:41:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	232905	54.977	ng	99
46) 1,1'-Biphenyl	9.428	154	897834	50.458	ng	100
47) 2-Chloronaphthalene	9.451	162	666760	51.007	ng	100
48) 2-Nitroaniline	9.539	65	207291	52.775	ng	98
49) Acenaphthylene	9.869	152	1109586	50.940	ng	99
50) Dimethylphthalate	9.722	163	726121	51.728	ng	100
51) 2,6-Dinitrotoluene	9.781	165	146385	52.497	ng	92
52) Acenaphthene	10.039	154	651291	50.669	ng	100
53) 3-Nitroaniline	9.945	138	177602	58.553	ng	99
54) 2,4-Dinitrophenol	10.051	184	47800	51.931	ng	# 1
55) Dibenzofuran	10.210	168	964545	50.344	ng	100
56) 4-Nitrophenol	10.092	139	133073	55.203	ng	98
57) 2,4-Dinitrotoluene	10.181	165	181610	52.116	ng	99
58) Fluorene	10.557	166	716173	49.859	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	189211	56.202	ng	98
60) Diethylphthalate	10.422	149	702995	51.909	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	348876	50.675	ng	99
62) 4-Nitroaniline	10.557	138	150470	57.045	ng	99
63) Azobenzene	10.704	77	770603	51.451	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	70324	51.847	ng	92
66) n-Nitrosodiphenylamine	10.663	169	634539	51.019	ng	100
67) 4-Bromophenyl-phenylether	11.034	248	211371	52.494	ng	99
68) Hexachlorobenzene	11.104	284	221245	51.785	ng	98
69) Atrazine	11.181	200	172972	54.359	ng	98
70) Pentachlorophenol	11.292	266	131545	56.120	ng	99
71) Phenanthrene	11.516	178	963568	50.425	ng	100
72) Anthracene	11.569	178	979118	50.953	ng	99
73) Carbazole	11.716	167	883827	51.340	ng	100
74) Di-n-butylphthalate	12.051	149	870362	55.079	ng	100
75) Fluoranthene	12.704	202	883558	50.852	ng	100
77) Benzidine	12.816	184	309313	49.425	ng	99
78) Pyrene	12.933	202	880826	51.681	ng	99
80) Butylbenzylphthalate	13.545	149	176615	51.324	ng	96
81) Benzo(a)anthracene	14.122	228	644353	52.641	ng	99
82) 3,3'-Dichlorobenzidine	14.080	252	196472	55.273	ng	100
83) Chrysene	14.157	228	583302	51.740	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	265225	51.119	ng	99
85) Di-n-octyl phthalate	14.727	149	492840	50.100	ng	99
87) Indeno(1,2,3-cd)pyrene	17.180	276	896872	54.440	ng	100
88) Benzo(b)fluoranthene	15.192	252	718106	56.204	ng	100
89) Benzo(k)fluoranthene	15.221	252	602261	49.410	ng	100
90) Benzo(a)pyrene	15.574	252	662193	54.800	ng	99
91) Dibenzo(a,h)anthracene	17.204	278	736672	54.700	ng	99
92) Benzo(g,h,i)perylene	17.651	276	746789	54.390	ng	98

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

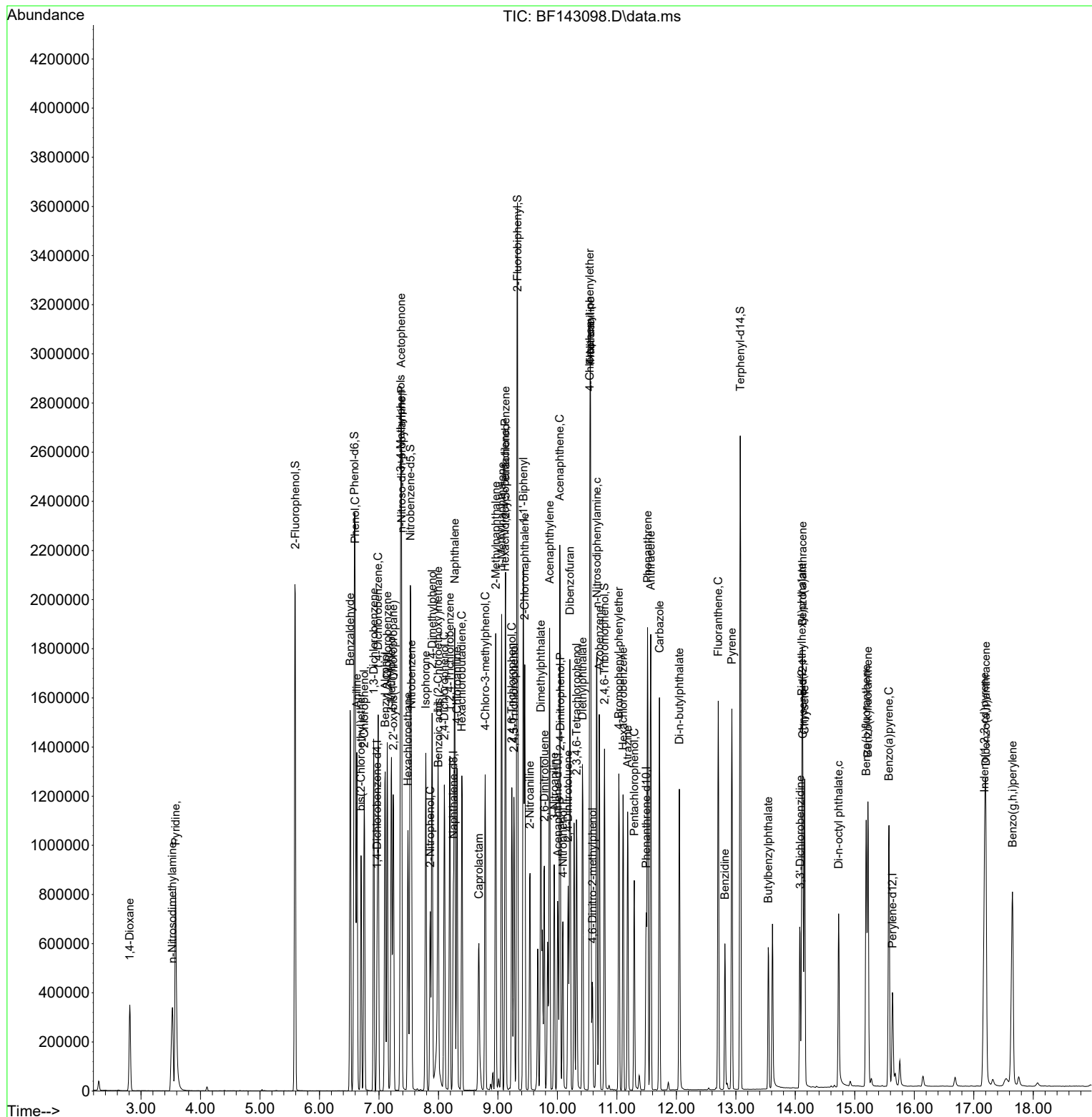
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Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

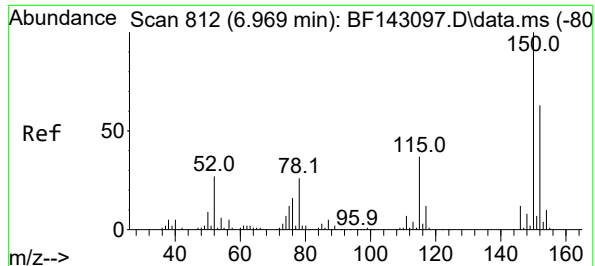
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BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jaagrut Upadhyay 07/16/2025

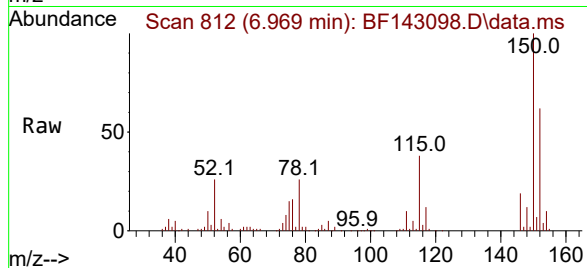
Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

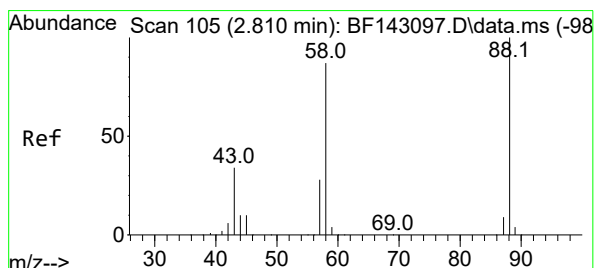
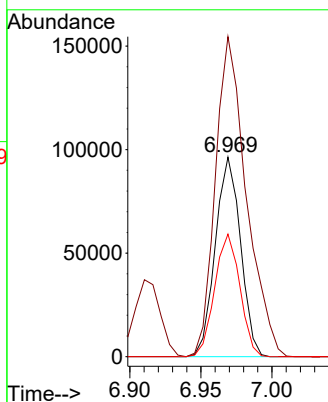
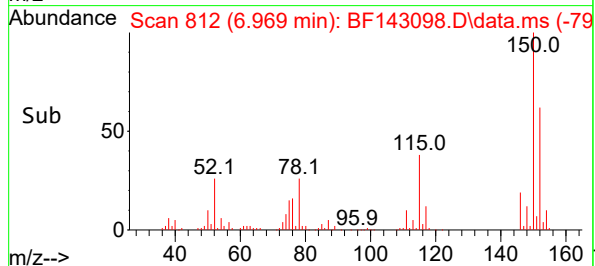
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 119035
Ion Ratio Lower Upper
152 100
150 160.4 126.5 189.7
115 61.5 47.0 70.6

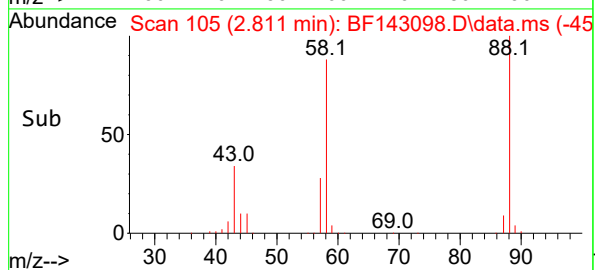
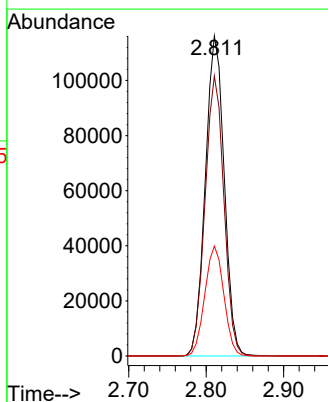
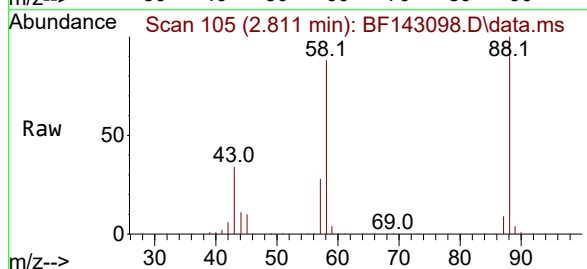
Manual Integrations
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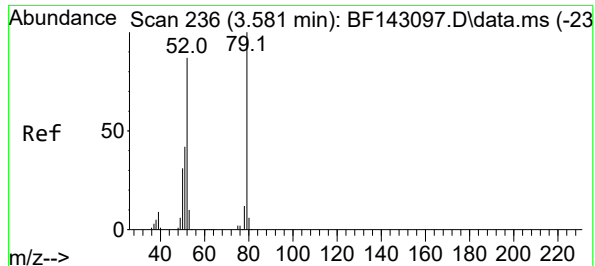
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#2
1,4-Dioxane
Concen: 52.435 ng
RT: 2.811 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 88 Resp: 196652
Ion Ratio Lower Upper
88 100
58 87.3 70.5 105.7
43 34.6 27.3 40.9





#3

Pyridine

Concen: 52.670 ng

RT: 3.581 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 500208

Ion Ratio Lower Upper

79 100

52 85.7 69.2 103.8

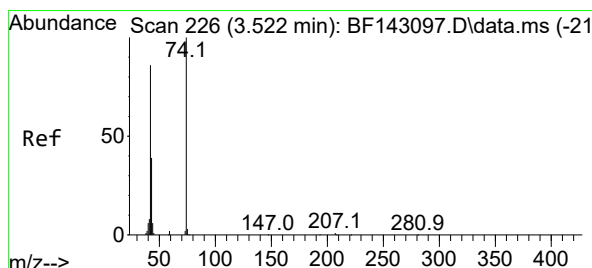
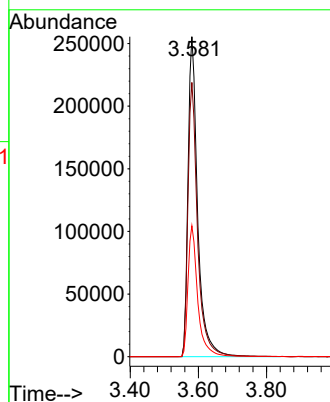
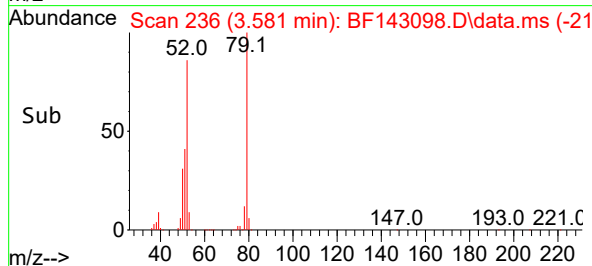
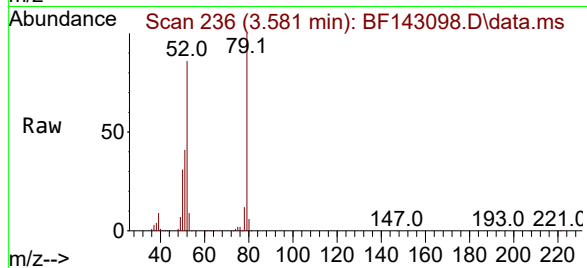
51 40.9 33.3 49.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#4

n-Nitrosodimethylamine

Concen: 53.153 ng

RT: 3.528 min Scan# 227

Delta R.T. 0.006 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

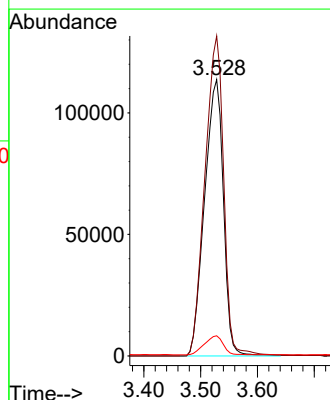
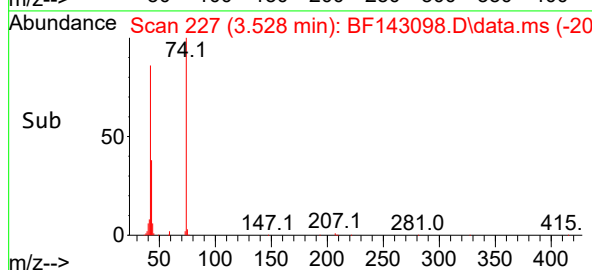
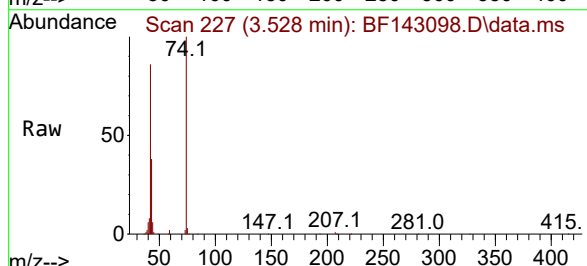
Tgt Ion: 42 Resp: 261539

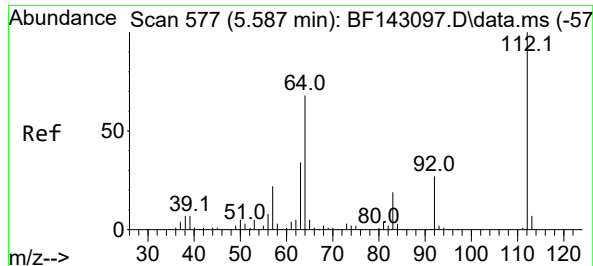
Ion Ratio Lower Upper

42 100

74 115.8 92.8 139.2

44 7.3 5.8 8.6





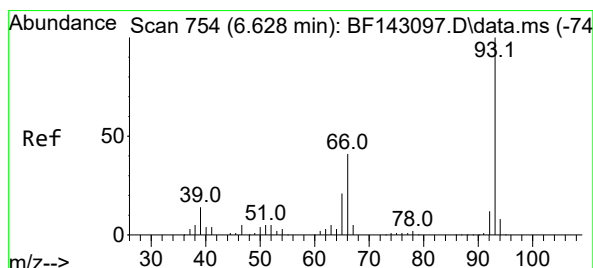
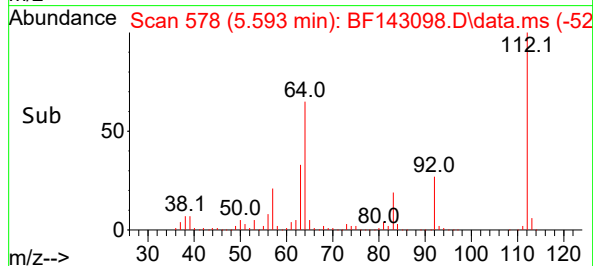
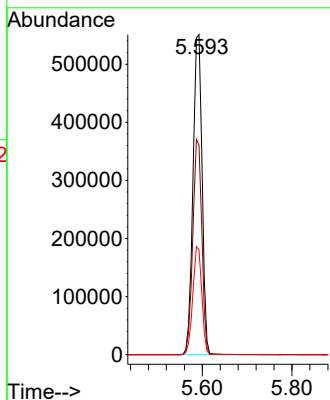
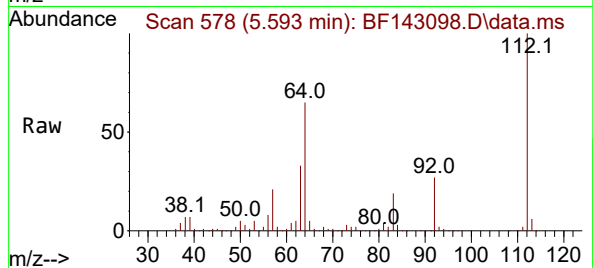
#5
2-Fluorophenol
Concen: 103.124 ng
RT: 5.593 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 77695
Ion Ratio Lower Upper
112 100
64 65.4 54.6 82.0
63 32.8 27.3 40.9

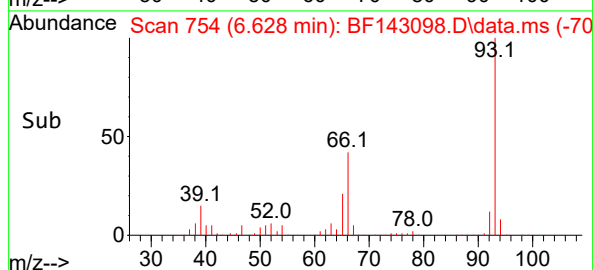
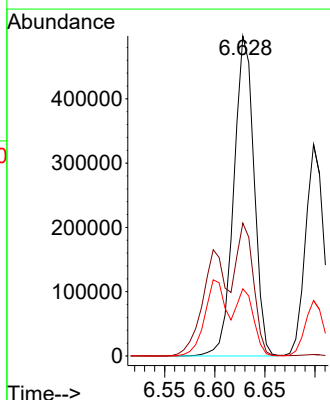
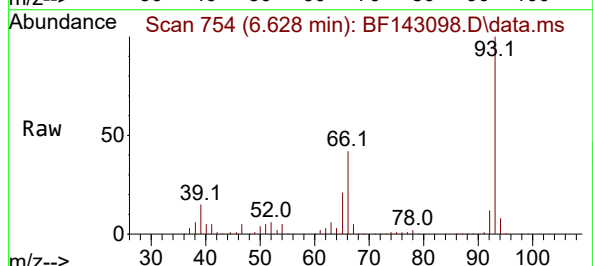
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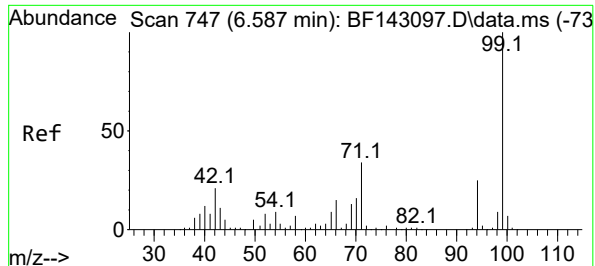
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#6
Aniline
Concen: 52.465 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 93 Resp: 699680
Ion Ratio Lower Upper
93 100
66 41.5 33.1 49.7
65 21.0 16.9 25.3





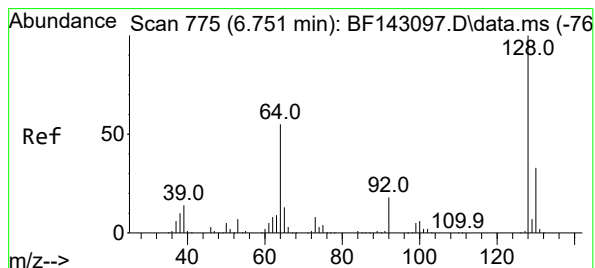
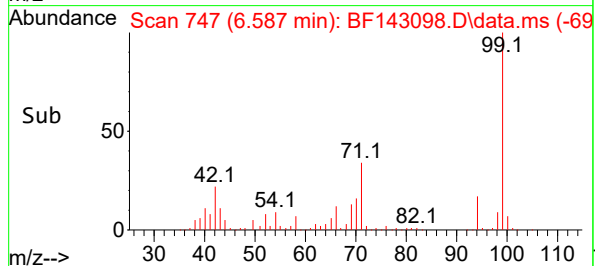
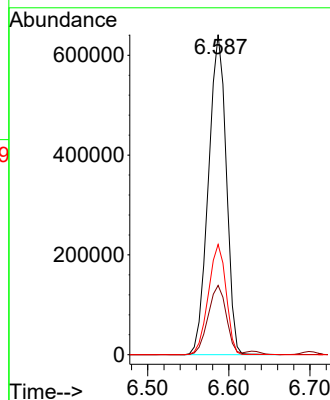
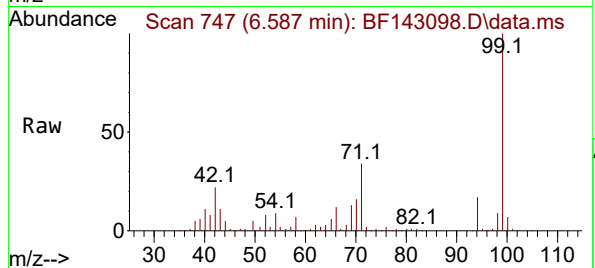
#7
Phenol-d6
Concen: 103.280 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 97810
Ion Ratio Lower Upper
99 100
42 21.7 17.2 25.8
71 34.4 27.4 41.0

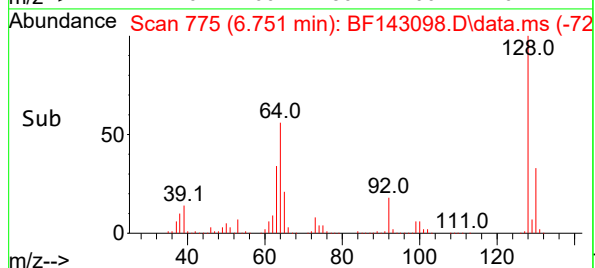
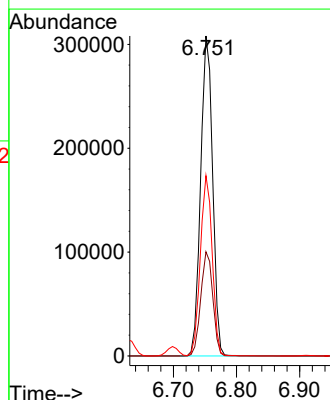
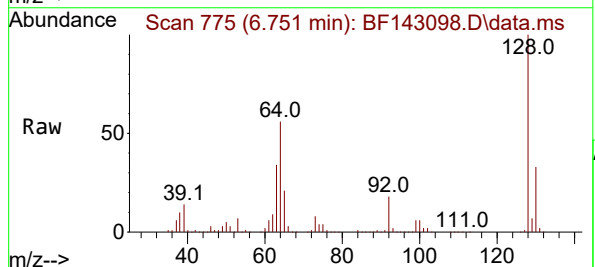
Manual Integrations
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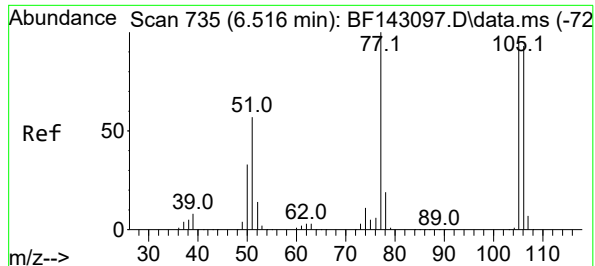
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#8
2-Chlorophenol
Concen: 53.601 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:128 Resp: 405741
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 56.3 36.1 76.1





#9

Benzaldehyde

Concen: 59.864 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 77 Resp: 431994

Ion Ratio Lower Upper

77 100

105 92.9 76.3 116.3

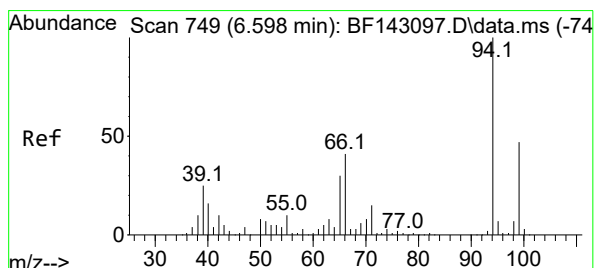
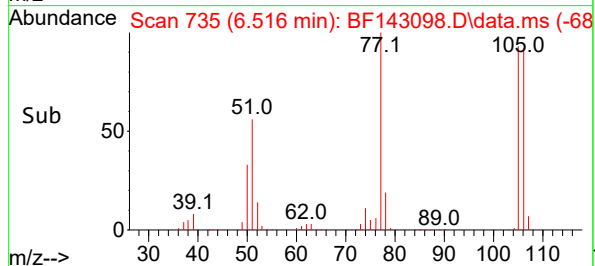
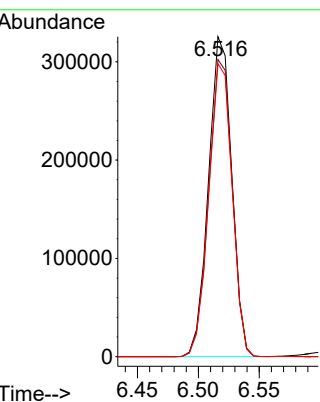
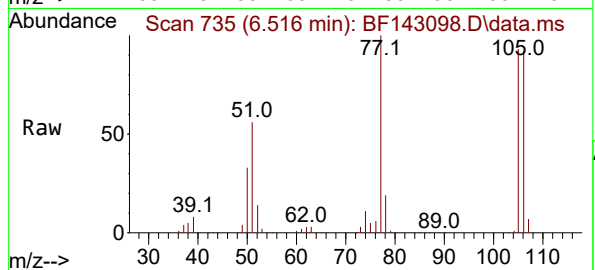
106 91.5 72.8 112.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#10

Phenol

Concen: 51.680 ng m

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

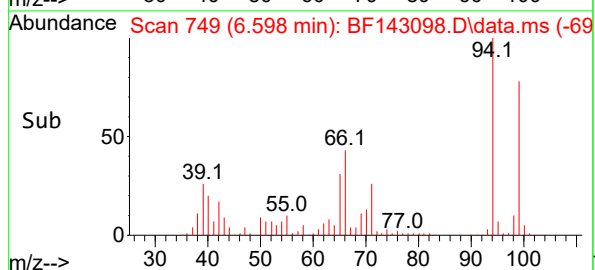
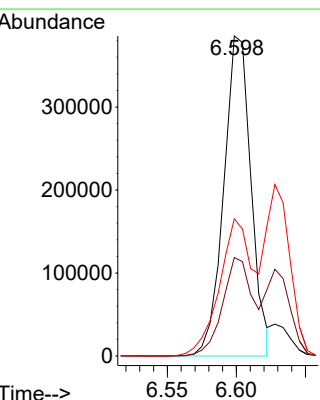
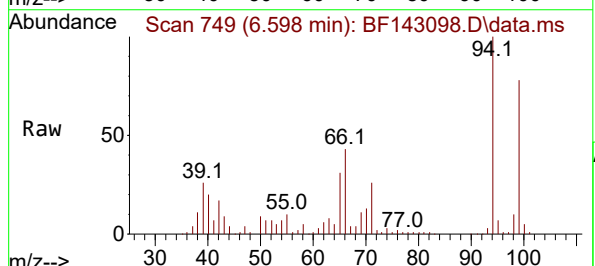
Tgt Ion: 94 Resp: 529842

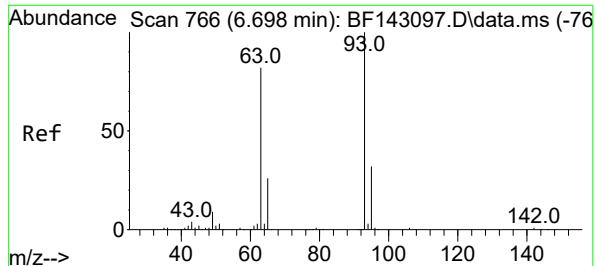
Ion Ratio Lower Upper

94 100

65 30.7 9.8 49.8

66 42.9 20.5 60.5





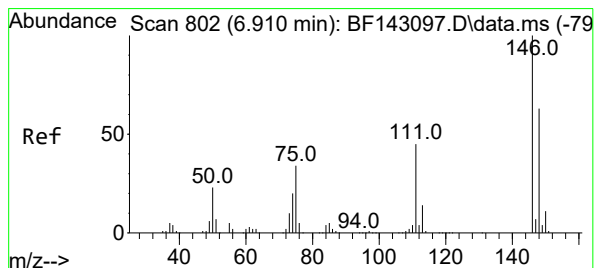
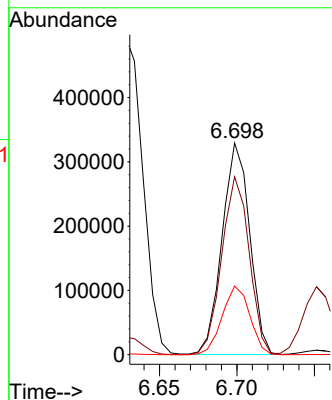
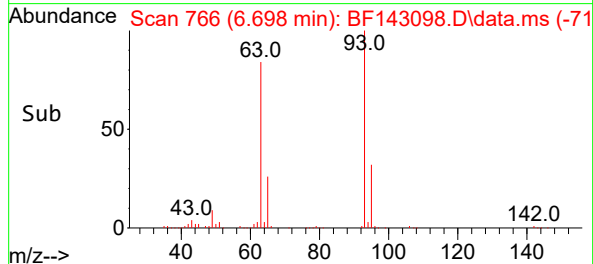
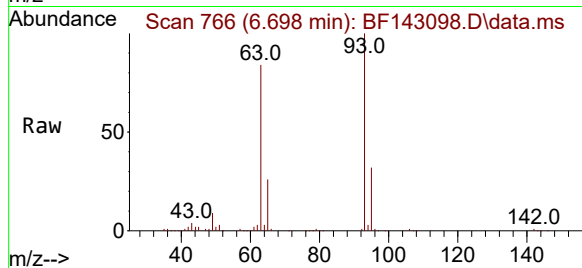
#11
bis(2-Chloroethyl)ether
Concen: 51.417 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 40809
Ion Ratio Lower Upper
93 100
63 84.0 61.9 101.9
95 32.4 12.2 52.2

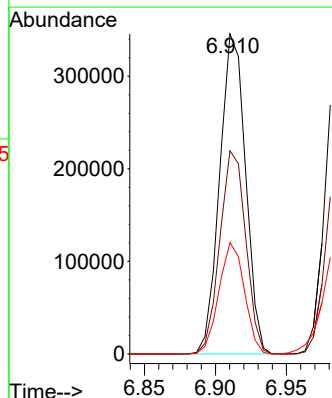
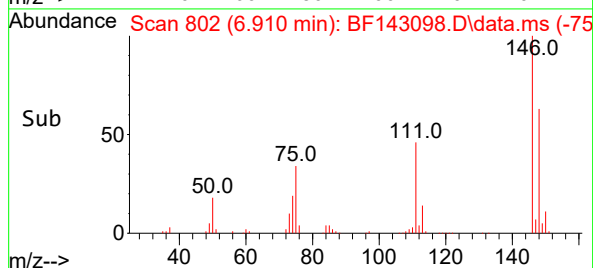
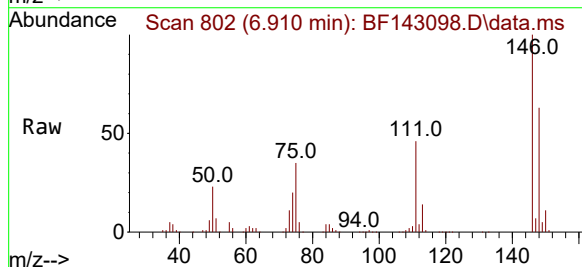
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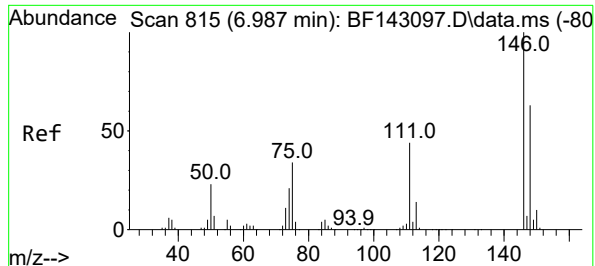
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#12
1,3-Dichlorobenzene
Concen: 51.203 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:146 Resp: 437876
Ion Ratio Lower Upper
146 100
148 63.5 50.1 75.1
75 34.8 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 51.260 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion:146 Resp: 44101

Ion Ratio Lower Upper

146 100

148 63.3 50.6 76.0

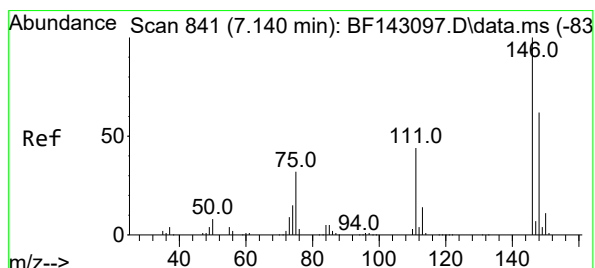
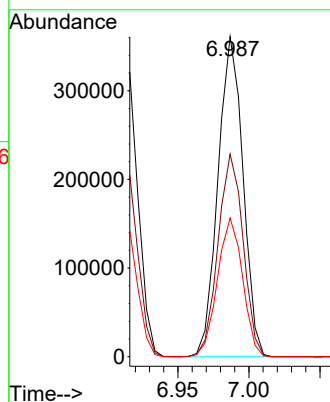
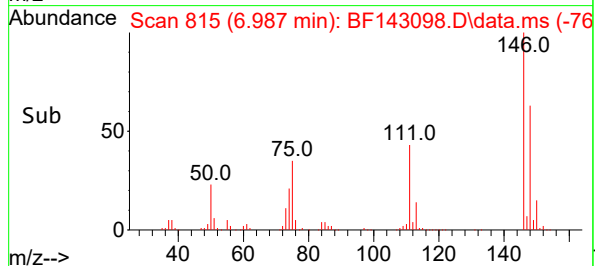
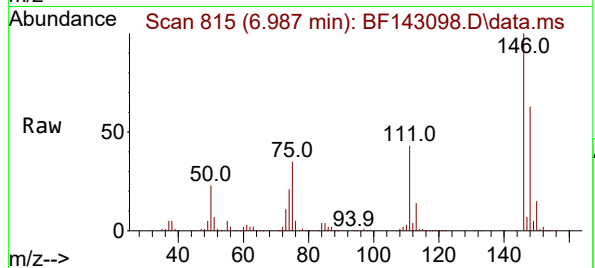
111 43.3 35.0 52.6

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#14

1,2-Dichlorobenzene

Concen: 51.401 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

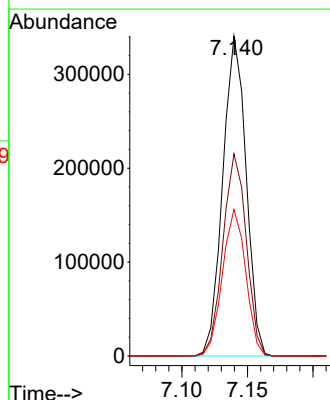
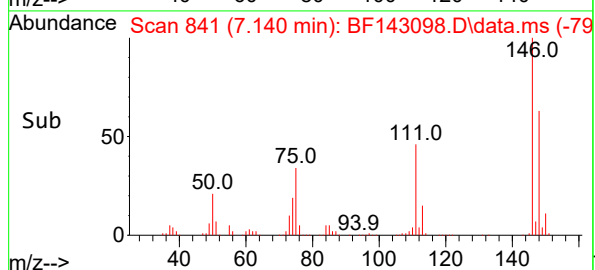
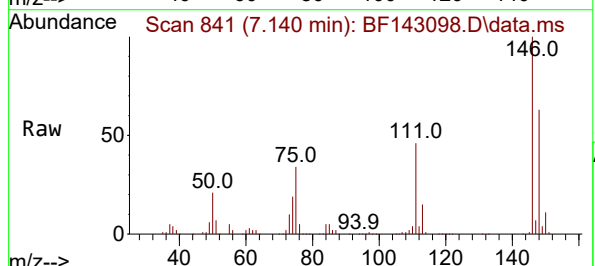
Tgt Ion:146 Resp: 421724

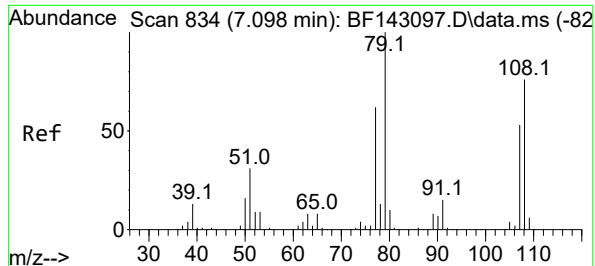
Ion Ratio Lower Upper

146 100

148 63.1 49.8 74.6

111 45.8 35.4 53.0





#15

Benzyl Alcohol

Concen: 53.234 ng

RT: 7.104 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 373560

Ion Ratio Lower Upper

79 100

108 76.1 61.1 91.7

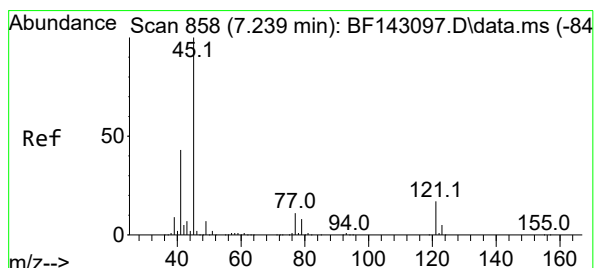
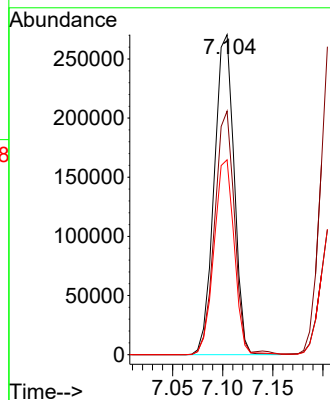
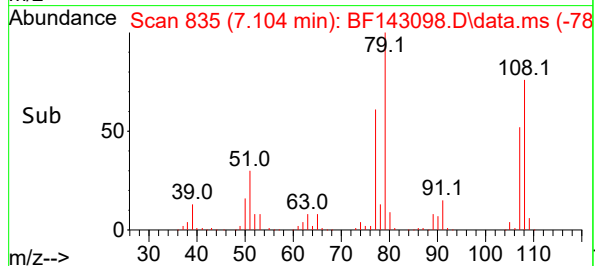
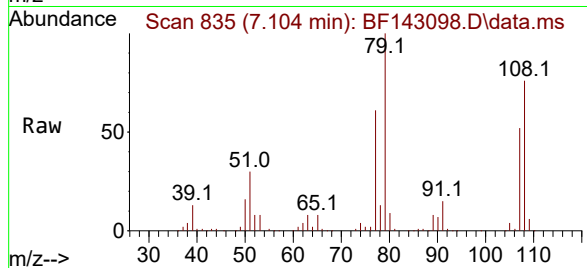
77 60.9 49.9 74.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 51.187 ng

RT: 7.240 min Scan# 858

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

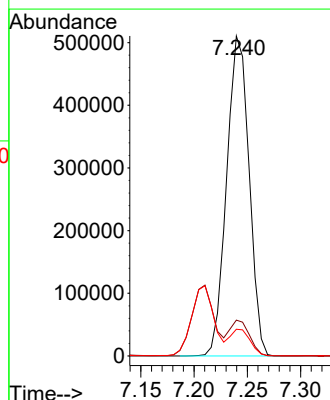
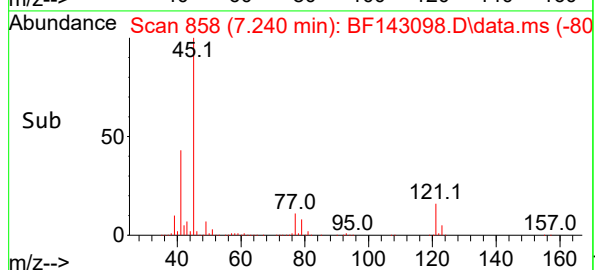
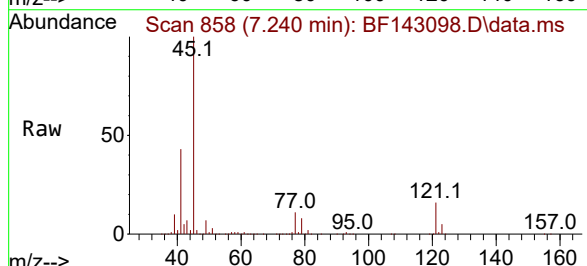
Tgt Ion: 45 Resp: 748892

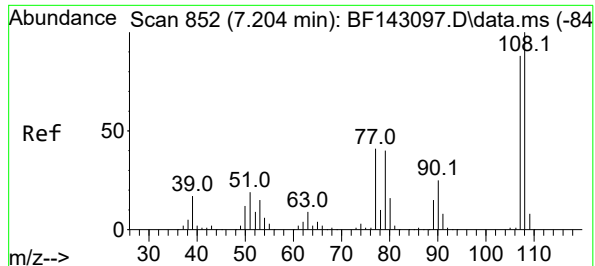
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.1

79 8.4 0.0 28.4





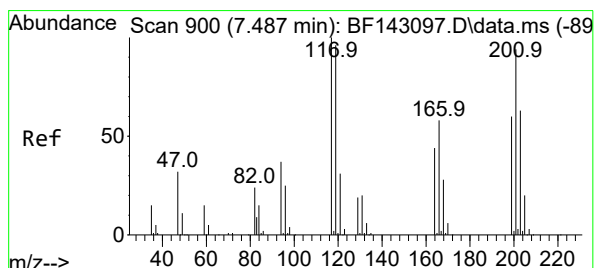
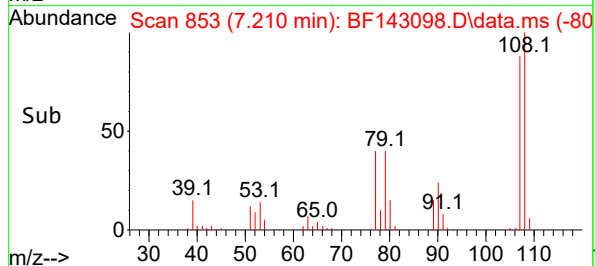
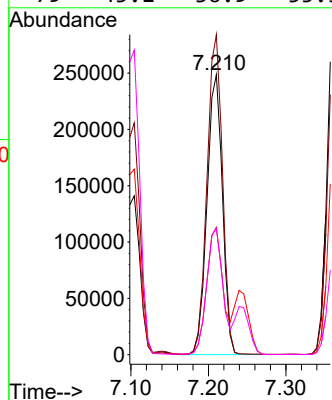
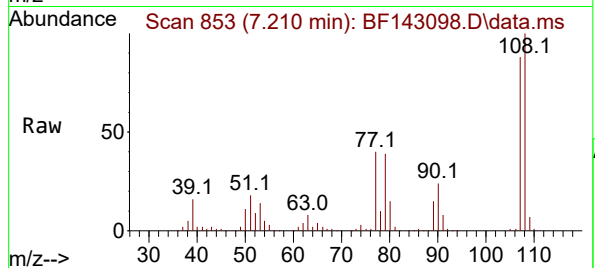
#17
2-Methylphenol
Concen: 52.409 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 34235
Ion Ratio Lower Upper
107 100
108 114.3 90.9 136.3
77 45.5 37.5 56.3
79 45.1 36.9 55.3

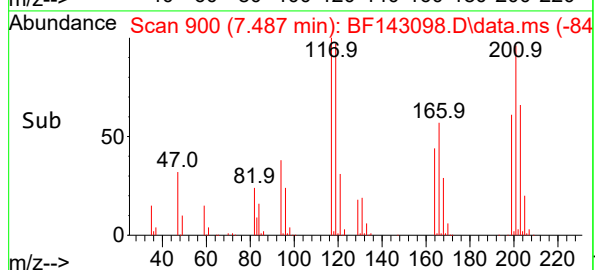
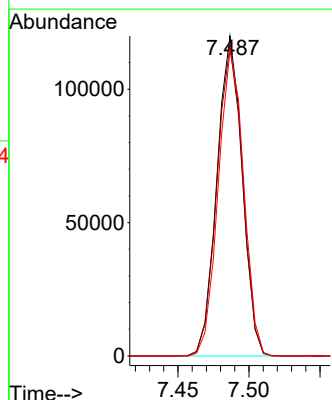
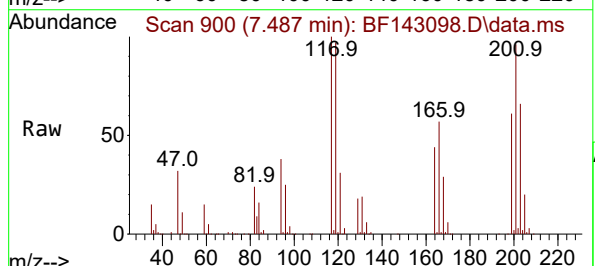
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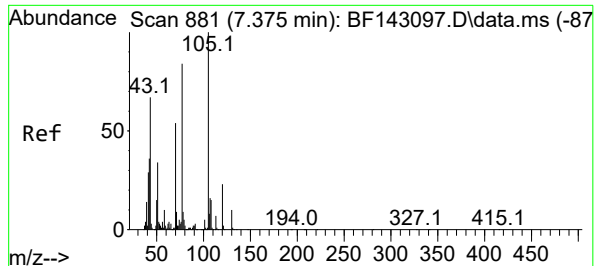
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#18
Hexachloroethane
Concen: 53.114 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

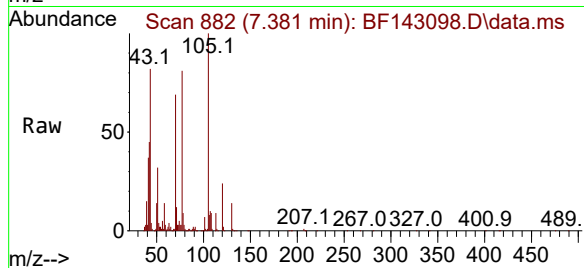
Tgt Ion:117 Resp: 148761
Ion Ratio Lower Upper
117 100
119 97.2 76.7 115.1
201 95.5 75.0 112.4





#19
n-Nitroso-di-n-propylamine
Concen: 52.169 ng
RT: 7.381 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

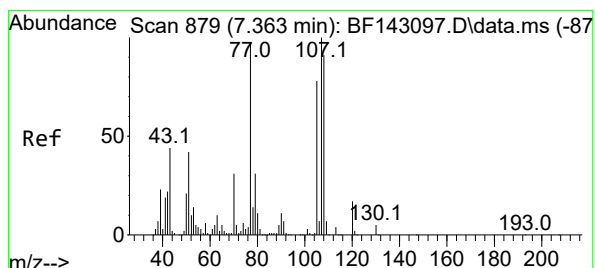
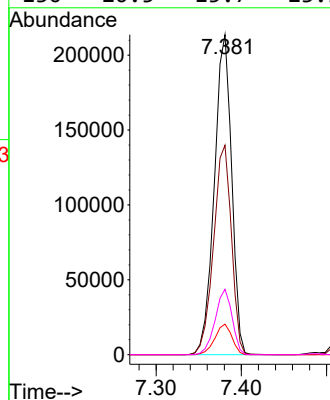
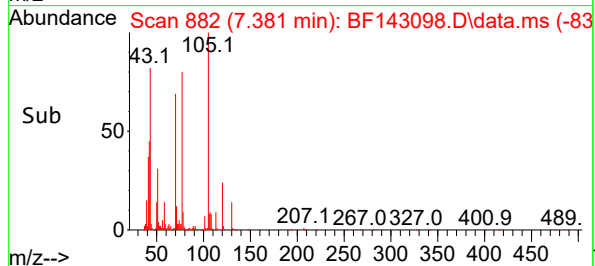
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



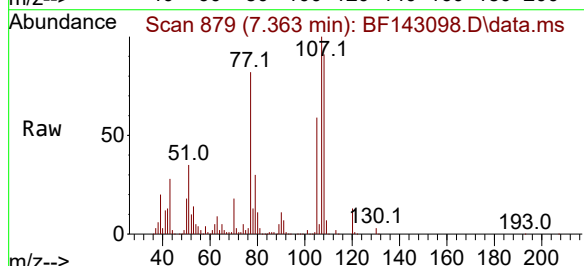
Tgt Ion: 70 Resp: 302685
Ion Ratio Lower Upper
70 100
42 65.5 53.2 79.8
101 9.6 7.5 11.3
130 20.5 15.7 23.5

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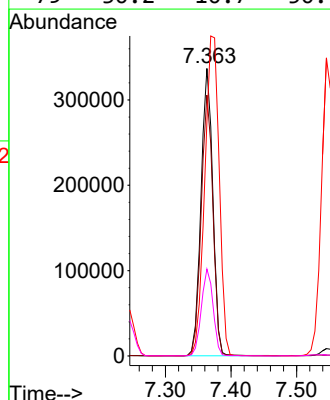
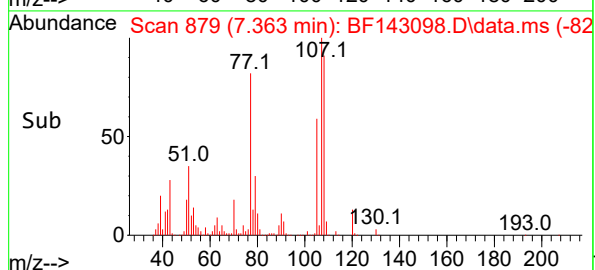
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

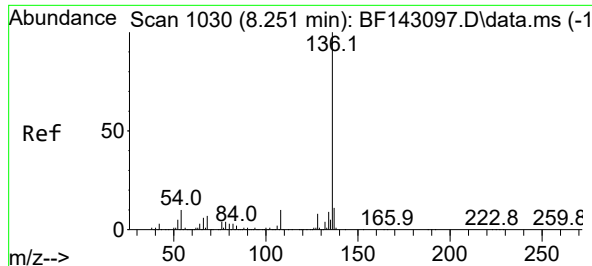


#20
3+4-Methylphenols
Concen: 52.776 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35



Tgt Ion:107 Resp: 422794
Ion Ratio Lower Upper
107 100
108 90.7 71.3 111.3
77 81.5 77.2 117.2
79 30.2 10.7 50.7





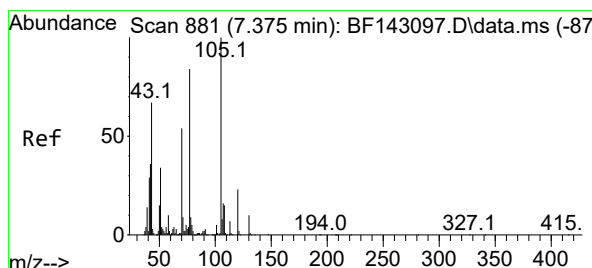
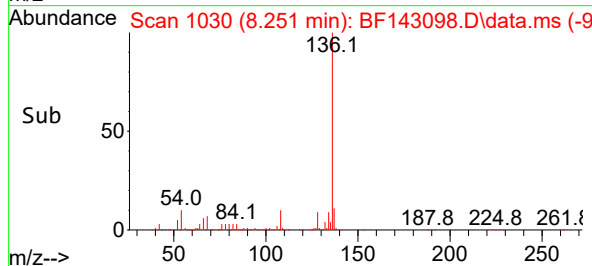
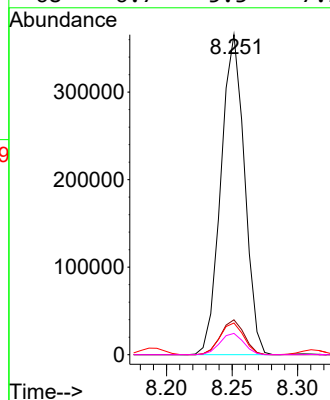
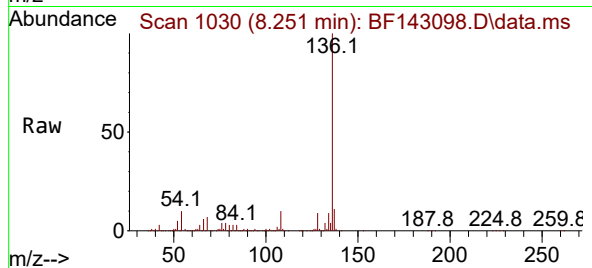
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 45650
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.9 8.3 12.5
68 6.7 5.3 7.9

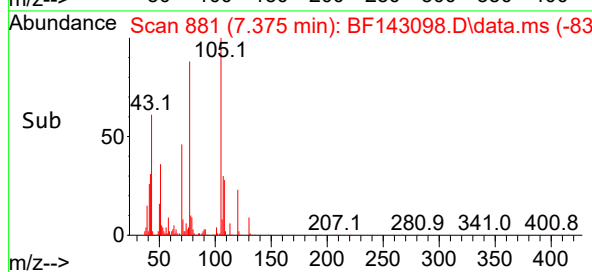
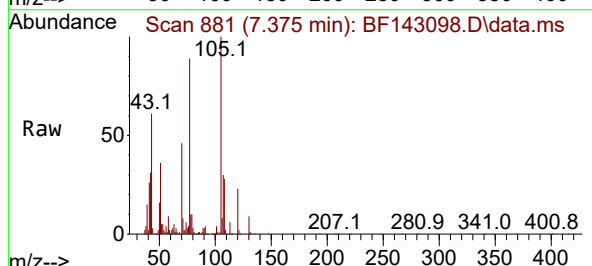
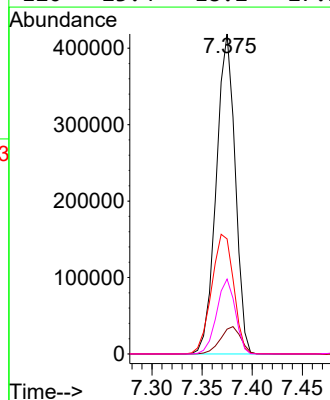
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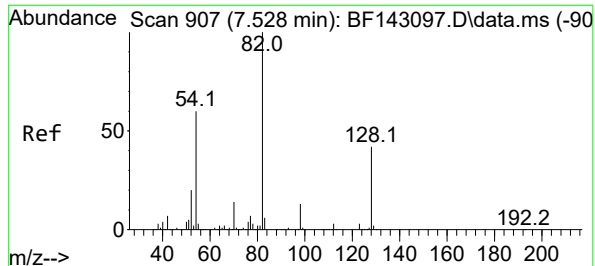
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#22
Acetophenone
Concen: 49.959 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:105 Resp: 549763
Ion Ratio Lower Upper
105 100
71 7.8 7.2 10.8
51 36.0 27.0 40.4
120 23.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 112.035 ng

RT: 7.528 min Scan# 907

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 91172

Ion Ratio Lower Upper

82 100

128 41.4 33.3 49.9

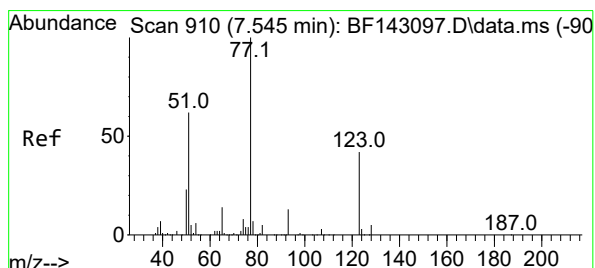
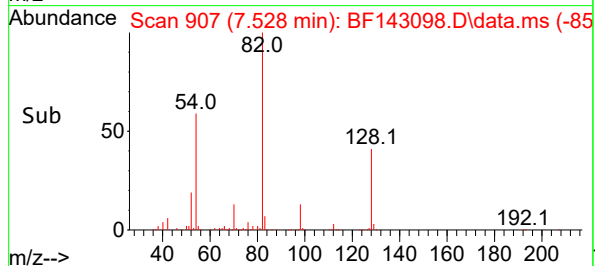
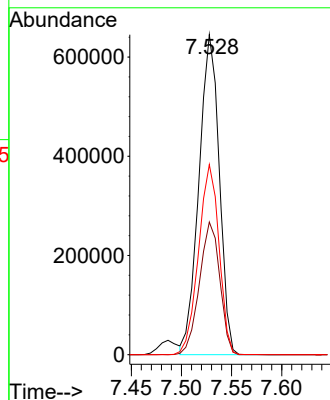
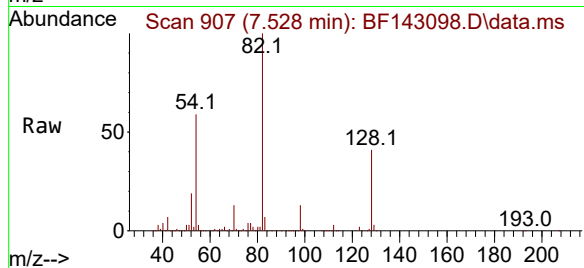
54 59.4 47.4 71.2

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#24

Nitrobenzene

Concen: 55.918 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

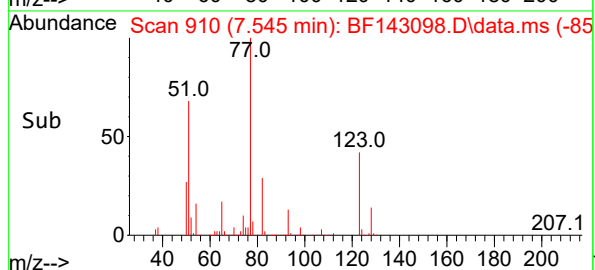
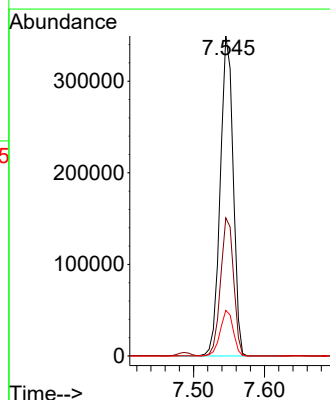
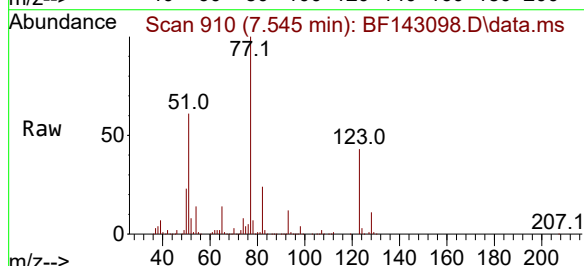
Tgt Ion: 77 Resp: 439273

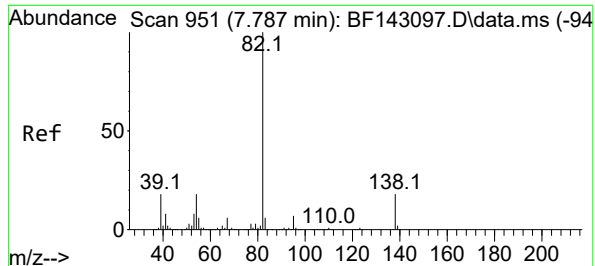
Ion Ratio Lower Upper

77 100

123 43.2 34.5 51.7

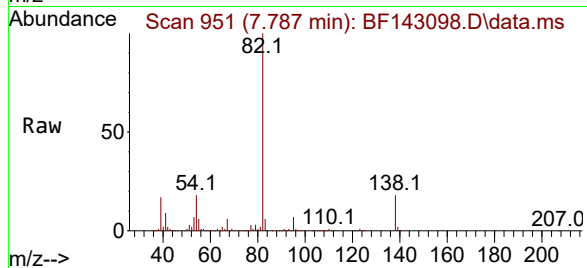
65 14.3 11.3 16.9





#25
Isophorone
Concen: 52.088 ng
RT: 7.787 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

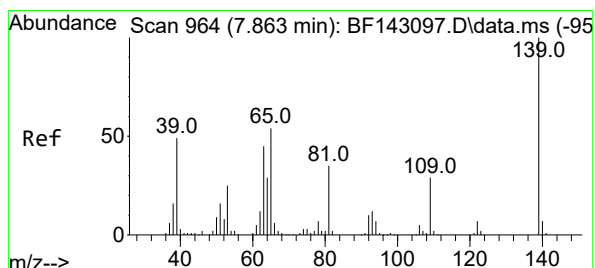
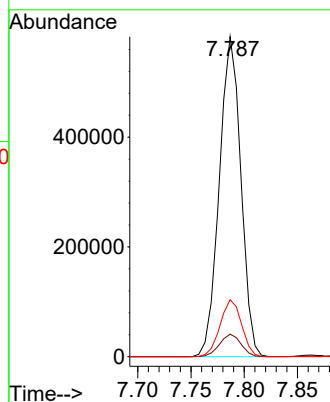
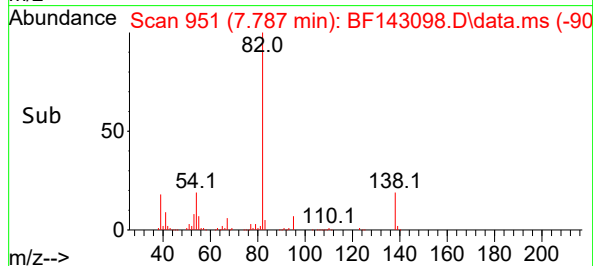
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 82 Resp: 819274
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 17.8 14.3 21.5

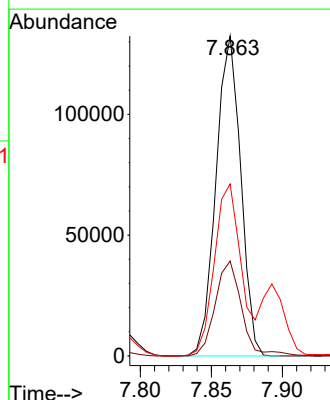
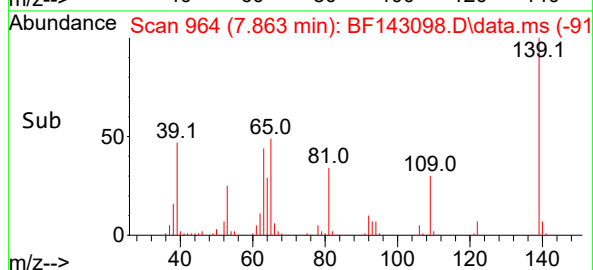
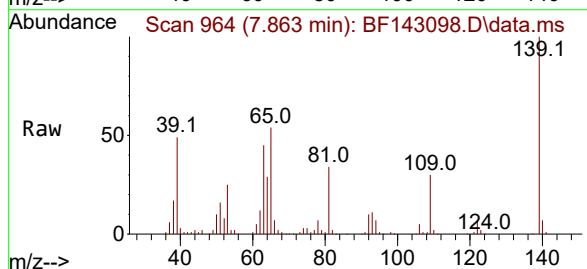
Manual Integrations
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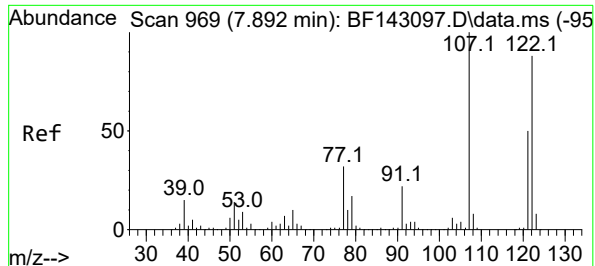
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#26
2-Nitrophenol
Concen: 50.837 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:139 Resp: 160386
Ion Ratio Lower Upper
139 100
109 29.7 23.4 35.0
65 53.7 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 51.976 ng

RT: 7.893 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:122 Resp: 37943

Ion Ratio Lower Upper

122 100

107 114.5 91.3 136.9

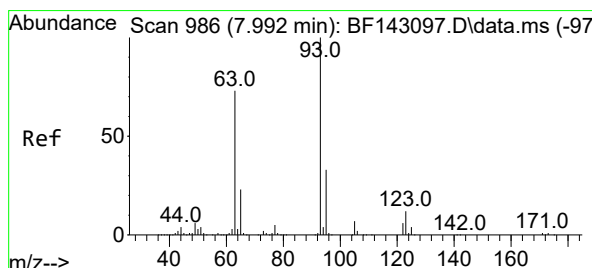
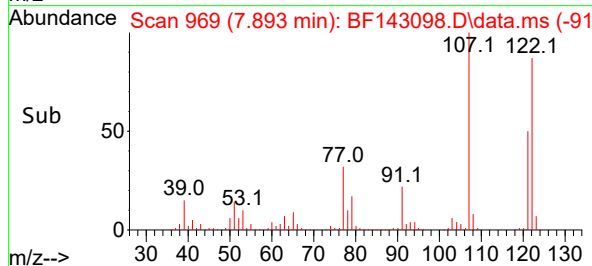
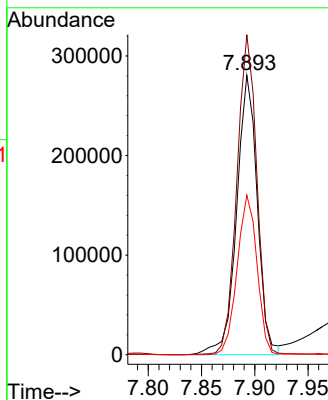
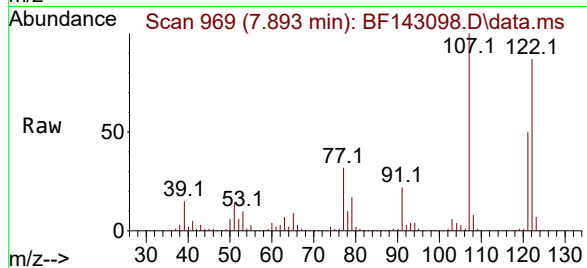
121 57.1 45.5 68.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#28

bis(2-Chloroethoxy)methane

Concen: 50.704 ng

RT: 7.993 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

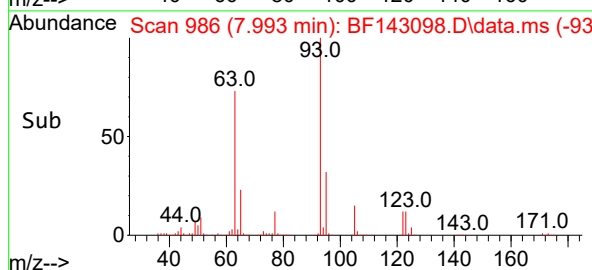
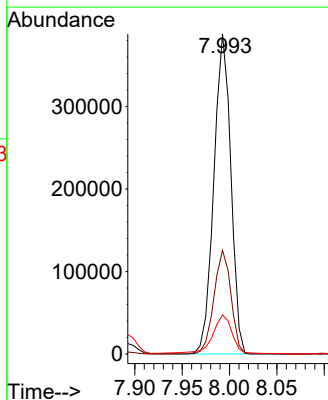
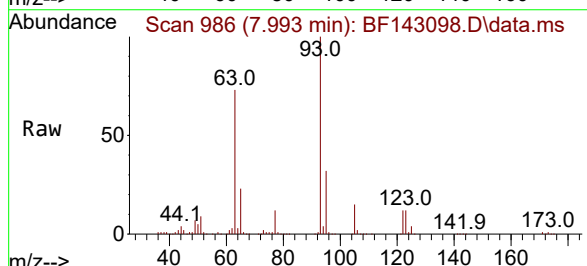
Tgt Ion: 93 Resp: 483608

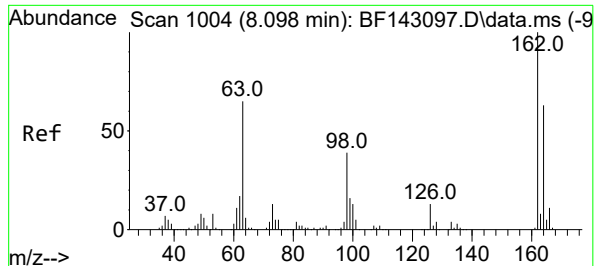
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.4

123 12.2 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 53.575 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 31996

Ion Ratio Lower Upper

162 100

164 63.7 43.1 83.1

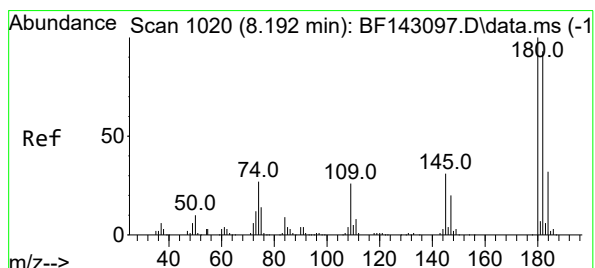
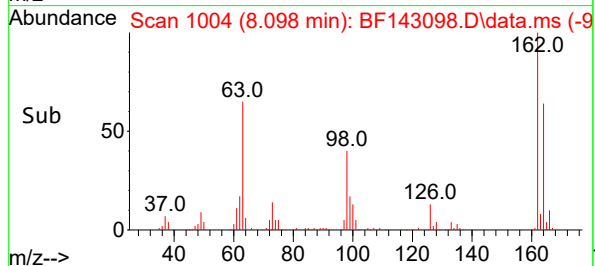
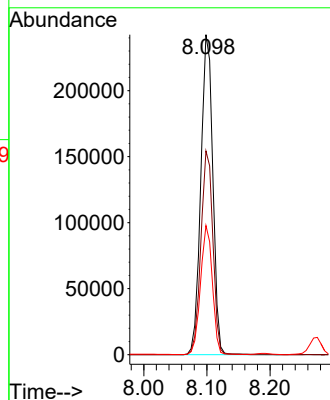
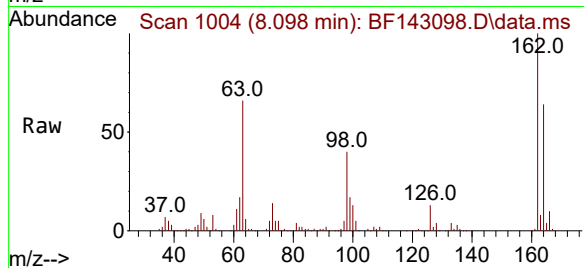
98 40.4 19.2 59.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#30

1,2,4-Trichlorobenzene

Concen: 50.958 ng

RT: 8.193 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

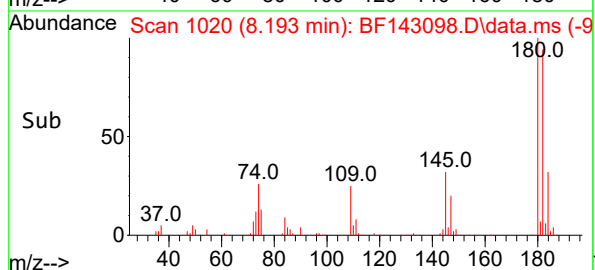
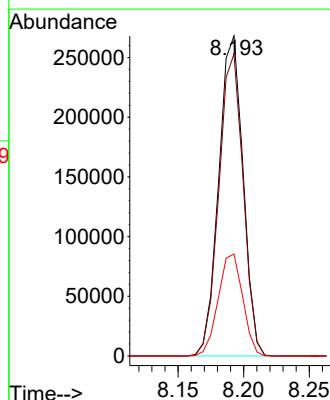
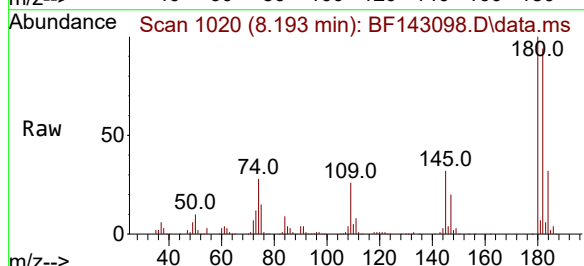
Tgt Ion:180 Resp: 345389

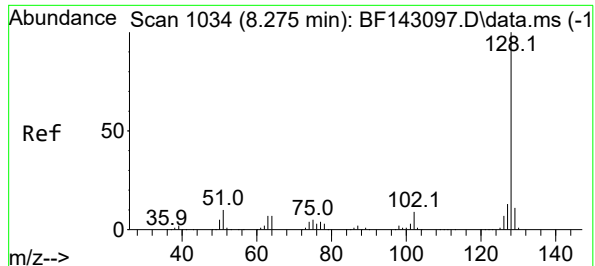
Ion Ratio Lower Upper

180 100

182 94.3 74.7 112.1

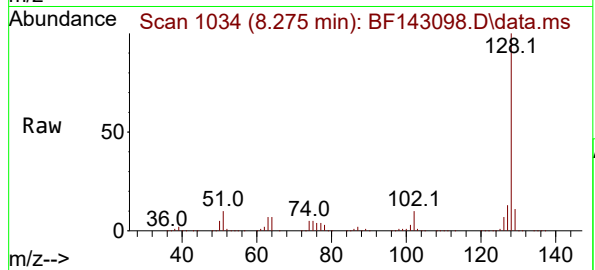
145 31.8 24.5 36.7





#31
Naphthalene
Concen: 49.700 ng
RT: 8.275 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

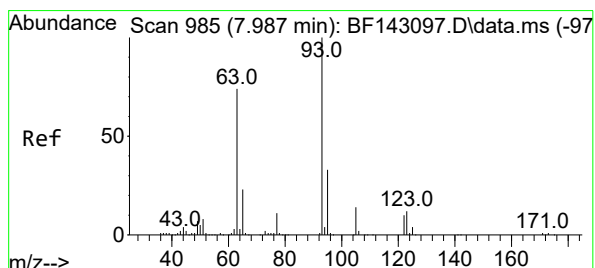
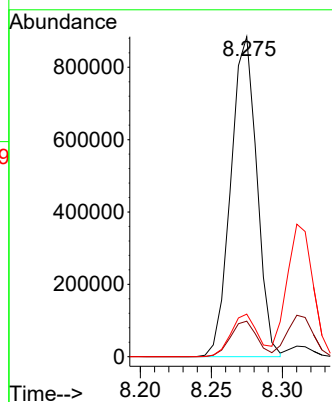
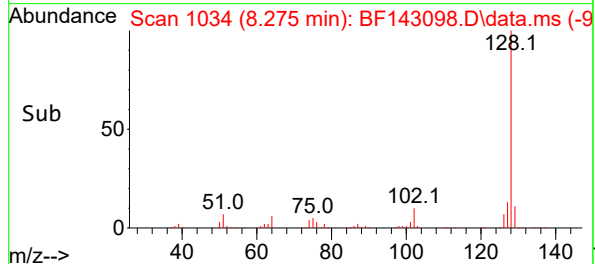
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:128 Resp: 1126659
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.3 10.5 15.7

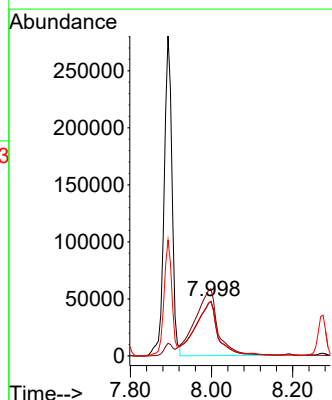
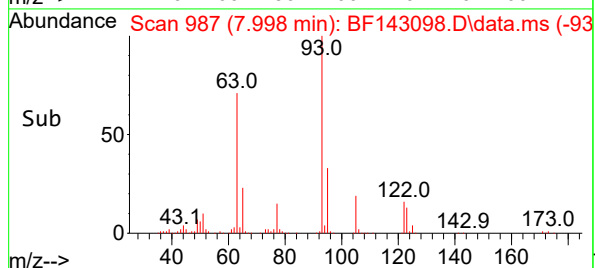
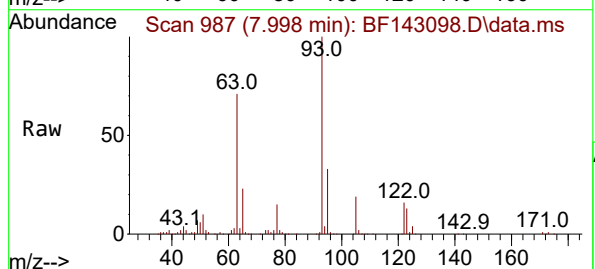
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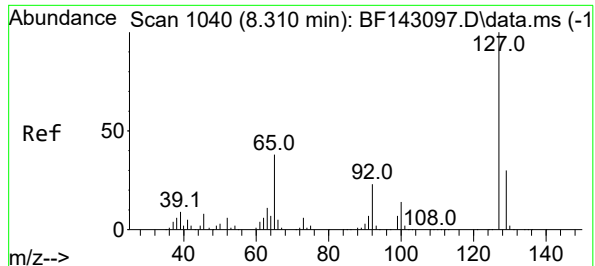
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#32
Benzoic acid
Concen: 49.535 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.011 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

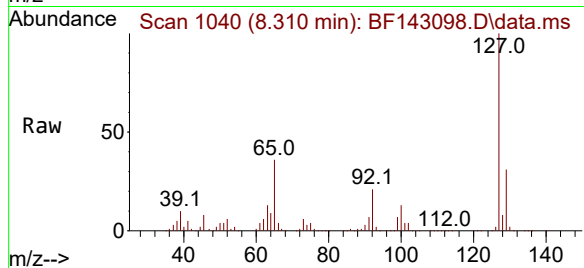
Tgt Ion:122 Resp: 180966
Ion Ratio Lower Upper
122 100
105 122.8 105.4 145.4
77 99.4 78.6 118.6





#33
4-Chloroaniline
Concen: 51.237 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

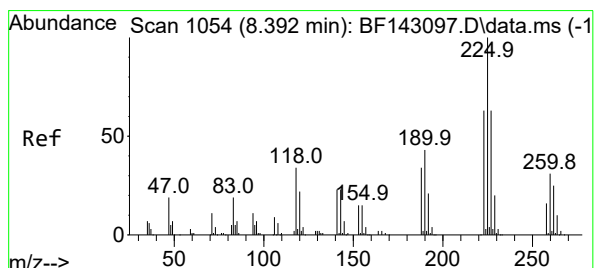
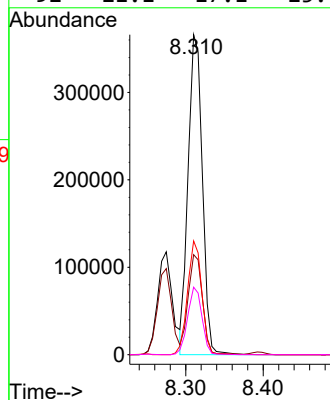
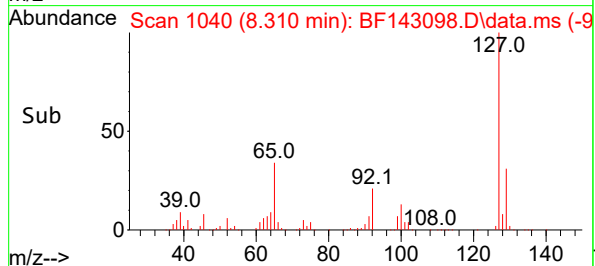
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:127 Resp: 467074
Ion Ratio Lower Upper
127 100
129 31.3 26.2 39.4
65 35.6 28.6 42.8
92 21.1 17.1 25.7

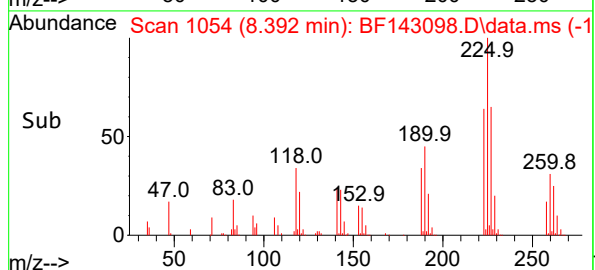
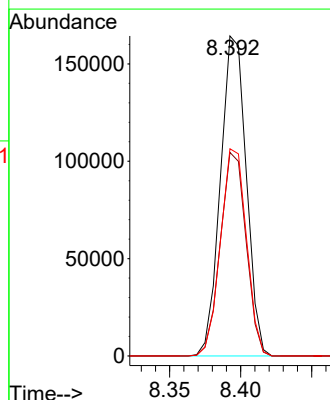
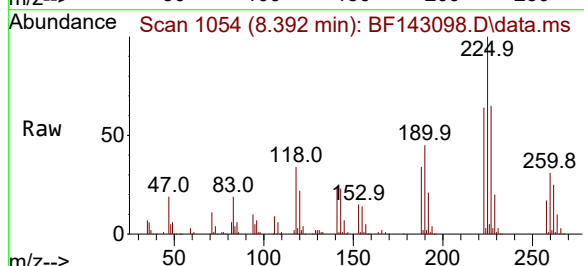
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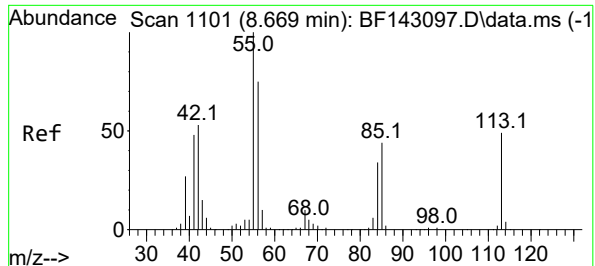
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#34
Hexachlorobutadiene
Concen: 51.263 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

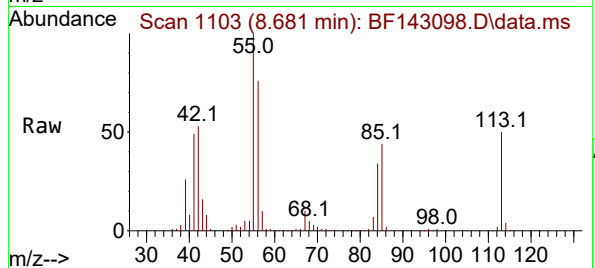
Tgt Ion:225 Resp: 207797
Ion Ratio Lower Upper
225 100
223 63.6 50.3 75.5
227 64.7 50.1 75.1





#35
Caprolactam
Concen: 53.162 ng
RT: 8.681 min Scan# 1103
Delta R.T. 0.012 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

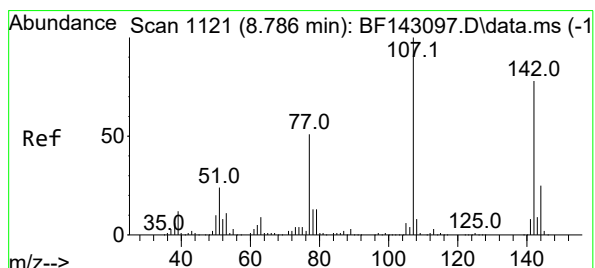
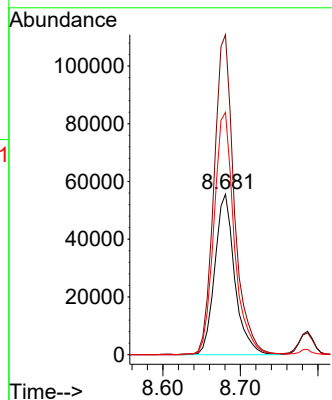
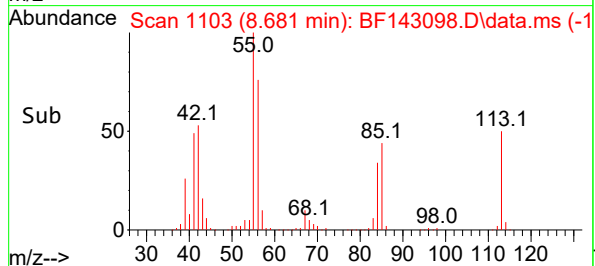
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:113 Resp: 99144
Ion Ratio Lower Upper
113 100
55 199.4 186.2 226.2
56 151.0 134.1 174.1

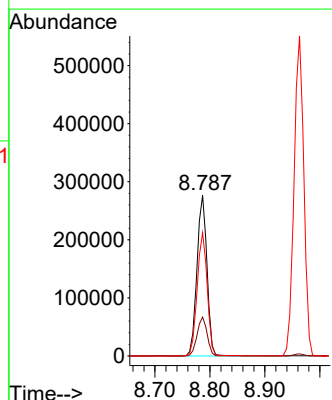
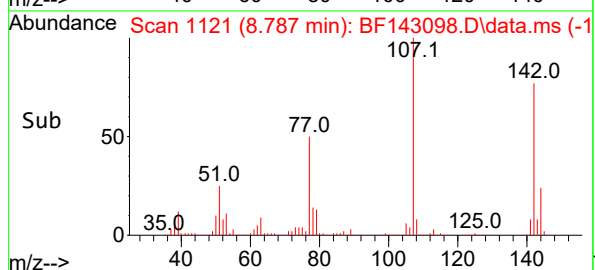
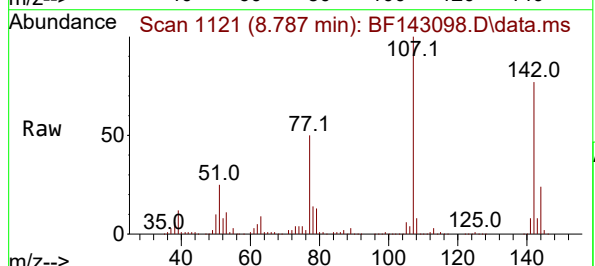
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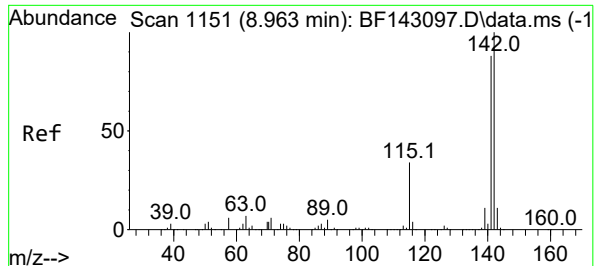
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#36
4-Chloro-3-methylphenol
Concen: 52.746 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

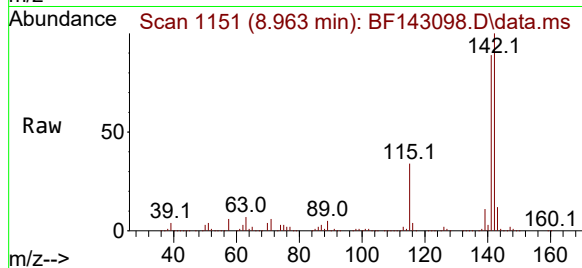
Tgt Ion:107 Resp: 350906
Ion Ratio Lower Upper
107 100
144 24.2 20.2 30.2
142 76.8 62.4 93.6





#37
2-Methylnaphthalene
Concen: 50.410 ng
RT: 8.963 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

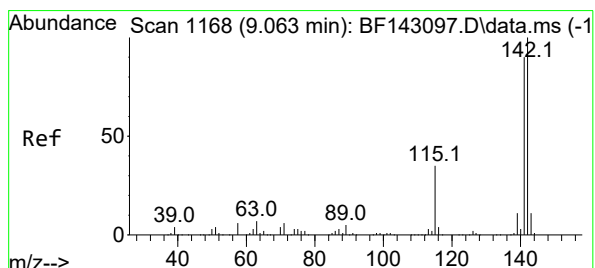
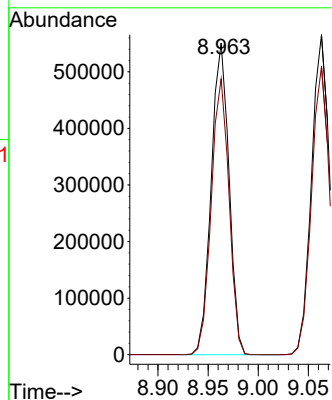
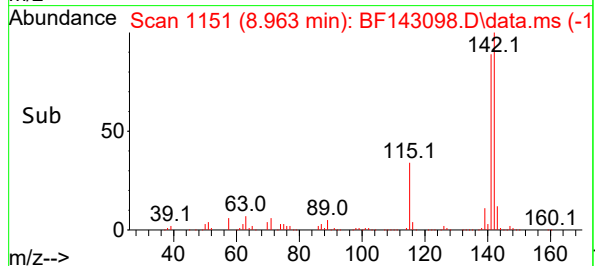
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:142 Resp: 681720
Ion Ratio Lower Upper
142 100
141 88.5 70.2 105.2

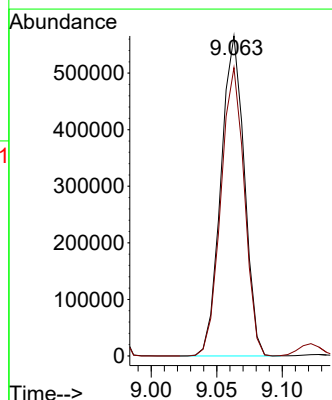
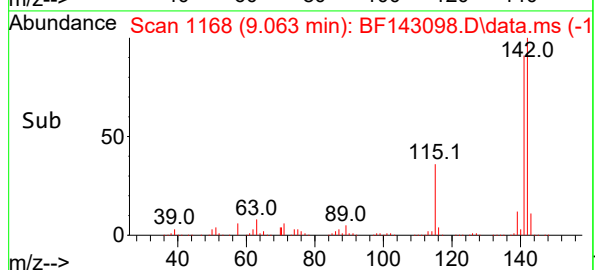
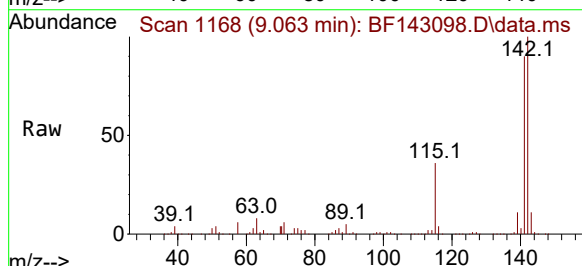
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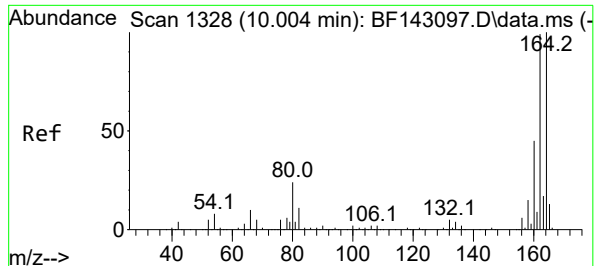
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#38
1-Methylnaphthalene
Concen: 50.016 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:142 Resp: 701548
Ion Ratio Lower Upper
142 100
141 90.1 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:164 Resp: 223120

Ion Ratio Lower Upper

164 100

162 99.3 79.0 118.6

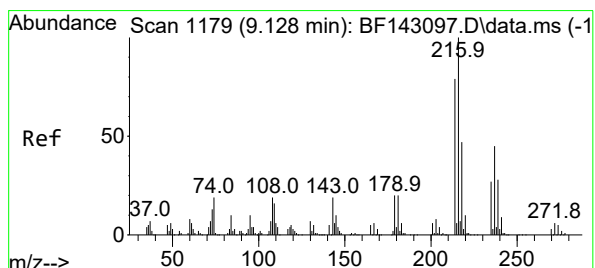
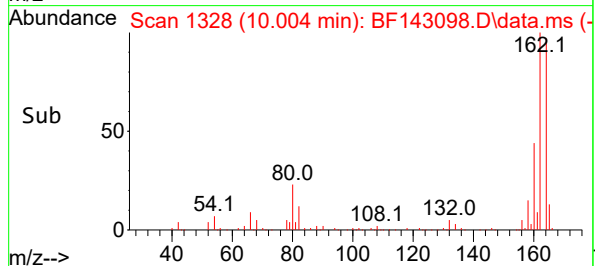
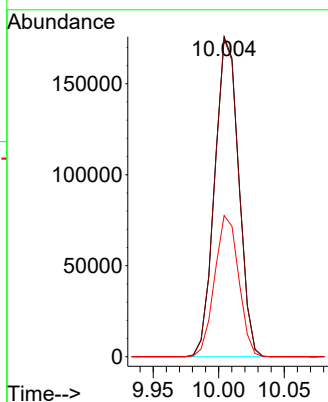
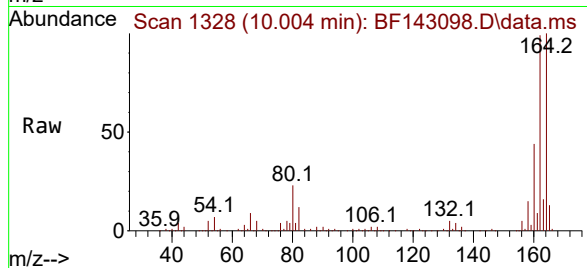
160 44.1 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.551 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Tgt Ion:216 Resp: 335206

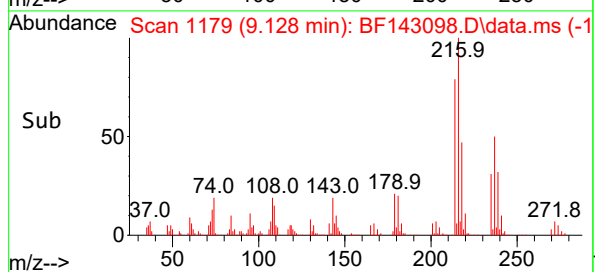
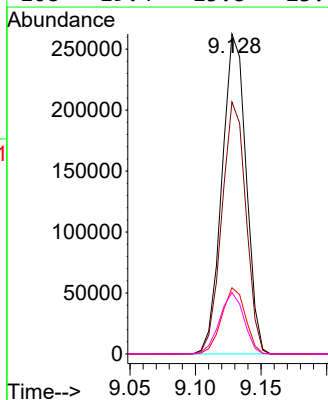
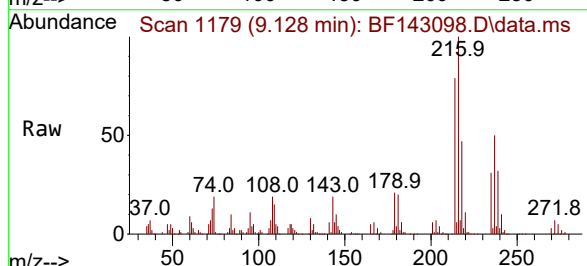
Ion Ratio Lower Upper

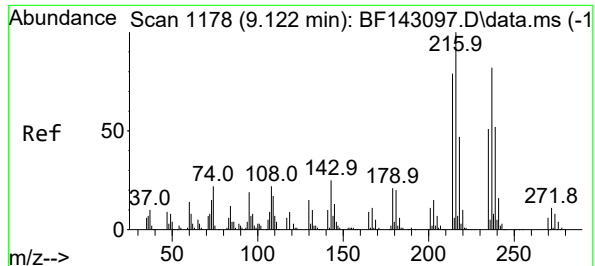
216 100

214 78.5 62.6 94.0

179 20.5 16.2 24.2

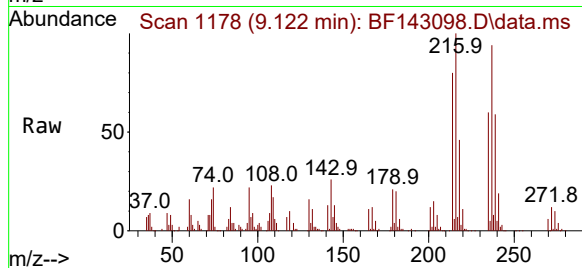
108 19.4 15.8 23.6





#41
Hexachlorocyclopentadiene
Concen: 55.147 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

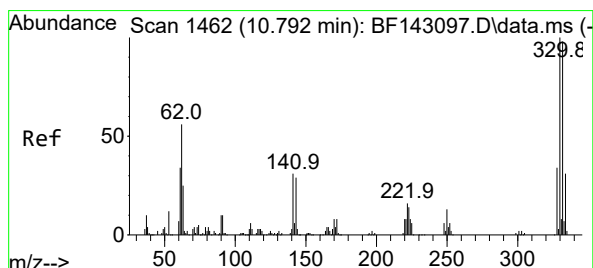
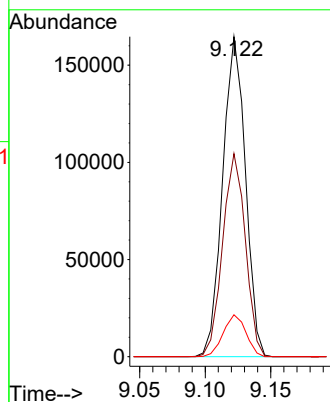
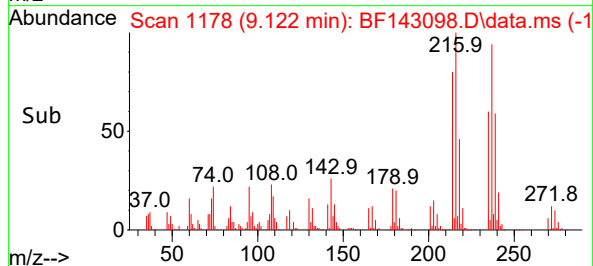
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



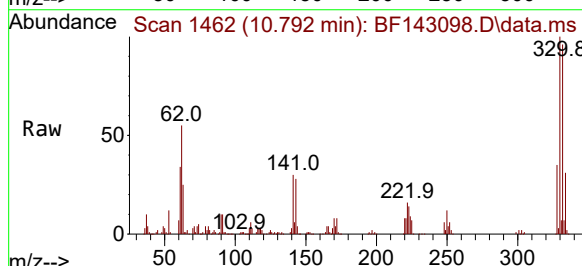
Tgt Ion:237 Resp: 19881
Ion Ratio Lower Upper
237 100
235 63.4 41.6 81.6
272 13.1 0.0 32.9

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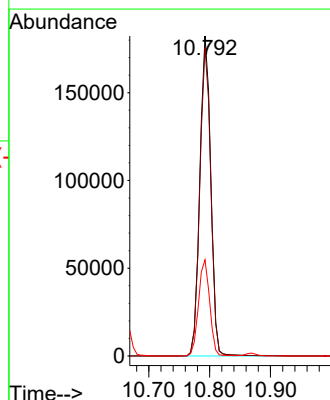
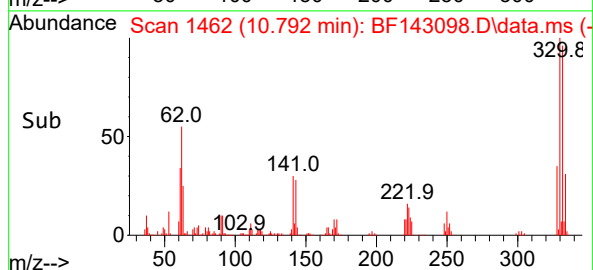
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

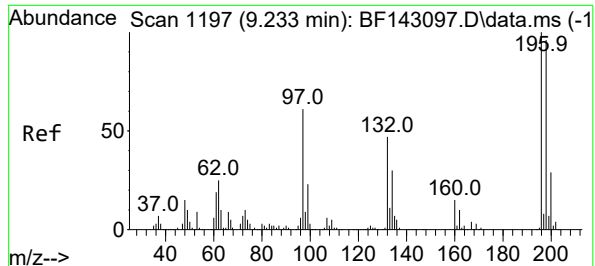


#42
2,4,6-Tribromophenol
Concen: 114.439 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35



Tgt Ion:330 Resp: 227678
Ion Ratio Lower Upper
330 100
332 96.3 77.9 116.9
141 30.5 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 55.226 ng

RT: 9.234 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF143098.D

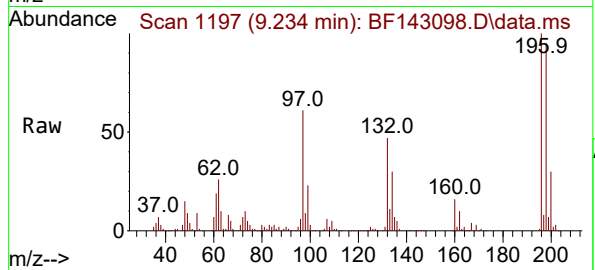
Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 22313

Ion Ratio Lower Upper

196 100

198 94.9 76.9 115.3

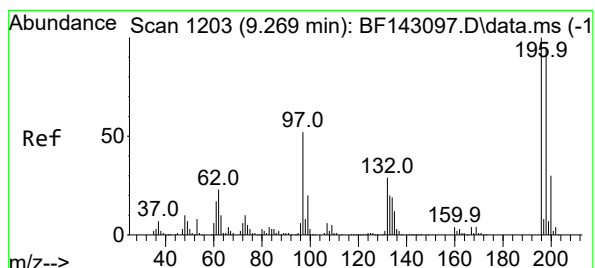
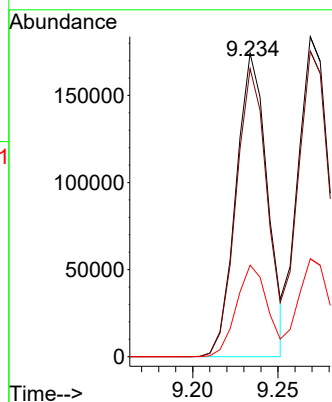
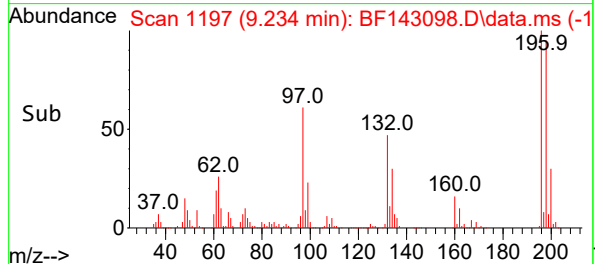
200 30.2 23.5 35.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#44

2,4,5-Trichlorophenol

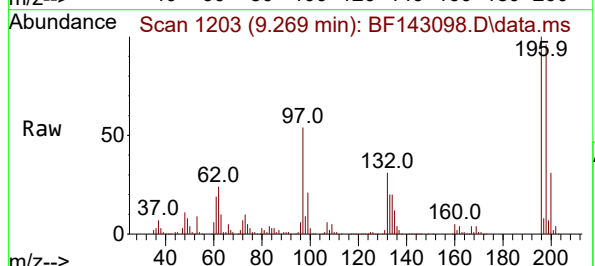
Concen: 54.977 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35



Tgt Ion:196 Resp: 232905

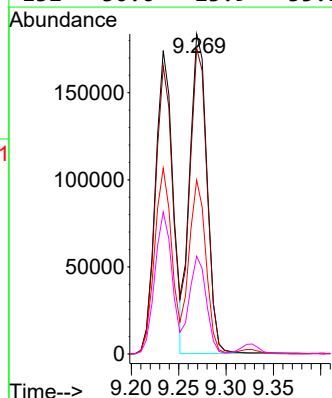
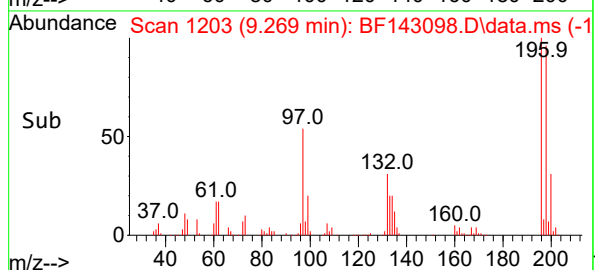
Ion Ratio Lower Upper

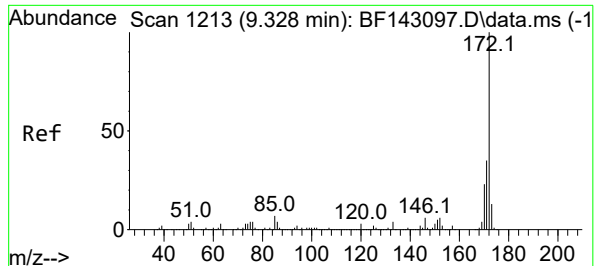
196 100

198 95.5 76.4 114.6

97 54.3 42.4 63.6

132 30.6 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 97.028 ng

RT: 9.328 min Scan# 1213

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:172 Resp: 1628659

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

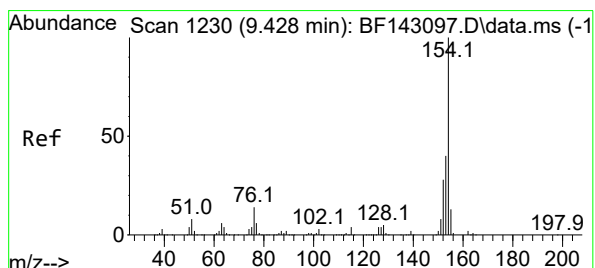
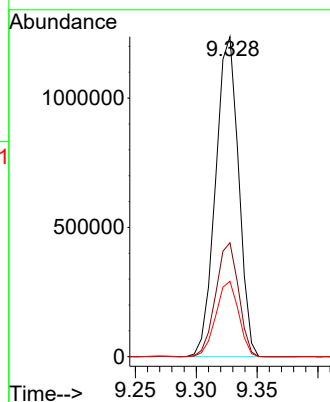
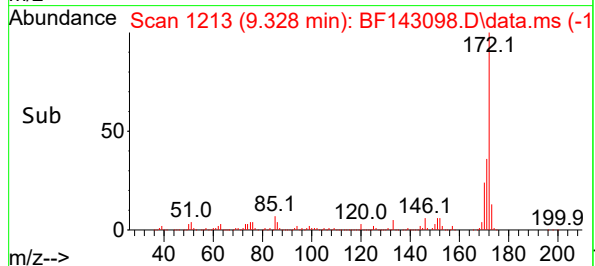
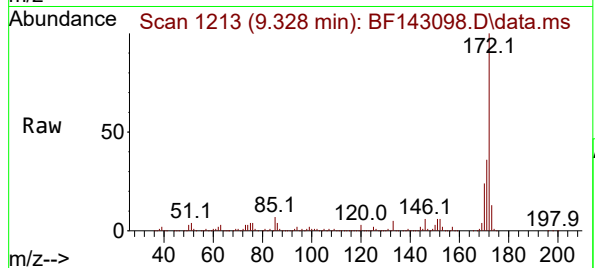
170 23.6 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#46

1,1'-Biphenyl

Concen: 50.458 ng

RT: 9.428 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

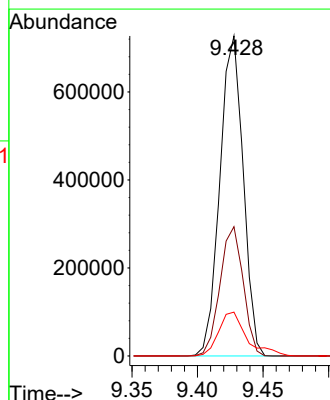
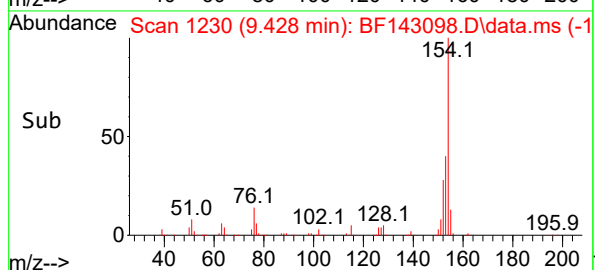
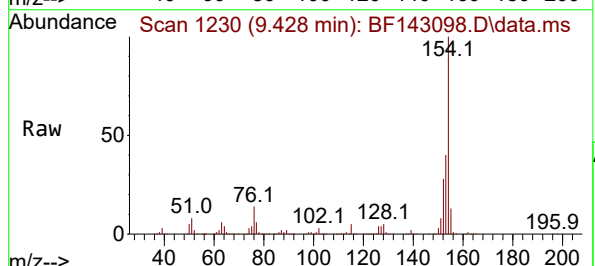
Tgt Ion:154 Resp: 897834

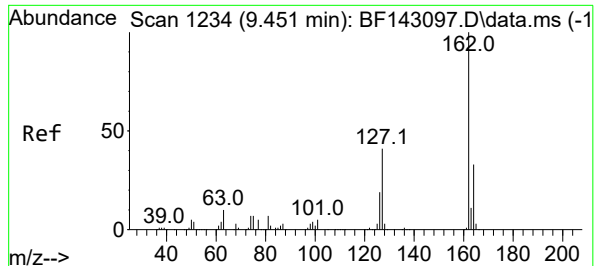
Ion Ratio Lower Upper

154 100

153 40.4 20.1 60.1

76 13.7 0.0 33.7





#47

2-Chloronaphthalene

Concen: 51.007 ng

RT: 9.451 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 666760

Ion Ratio Lower Upper

162 100

127 41.2 33.0 49.6

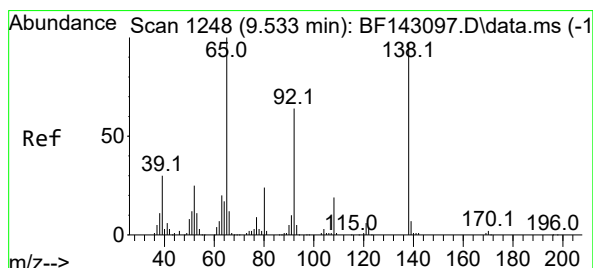
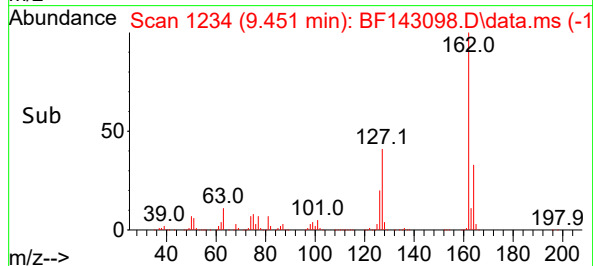
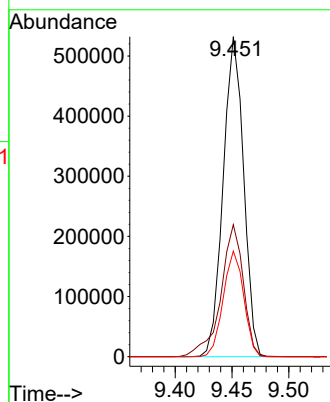
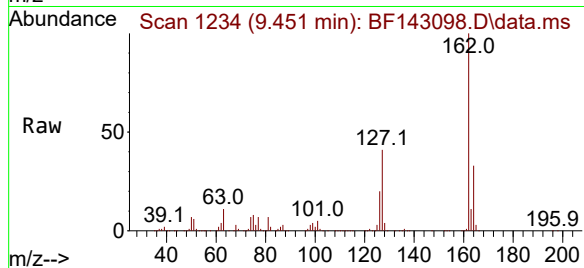
164 33.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#48

2-Nitroaniline

Concen: 52.775 ng

RT: 9.539 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

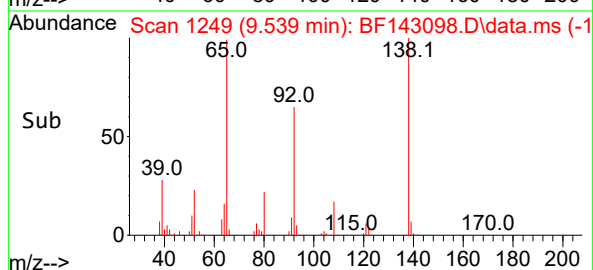
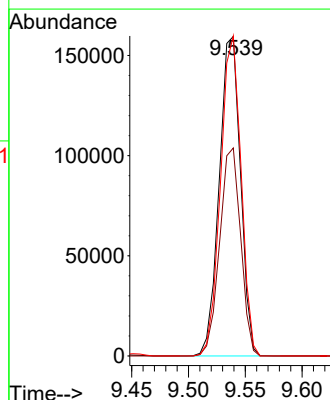
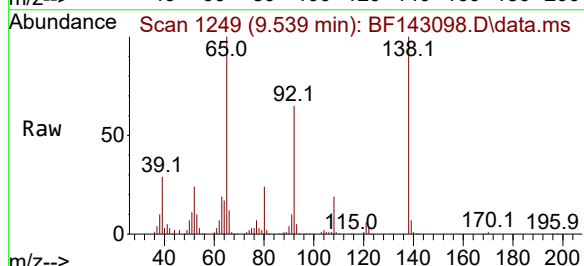
Tgt Ion: 65 Resp: 207291

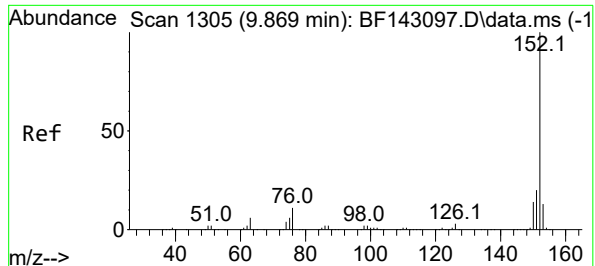
Ion Ratio Lower Upper

65 100

92 65.1 51.3 76.9

138 100.2 77.8 116.6





#49

Acenaphthylene

Concen: 50.940 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:152 Resp: 1109580

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.8

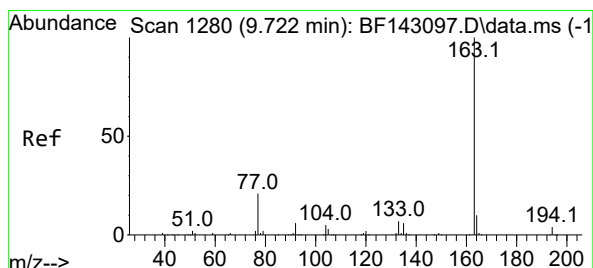
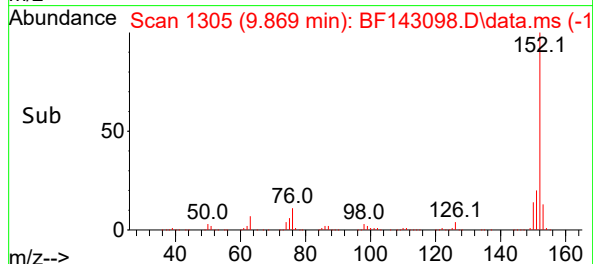
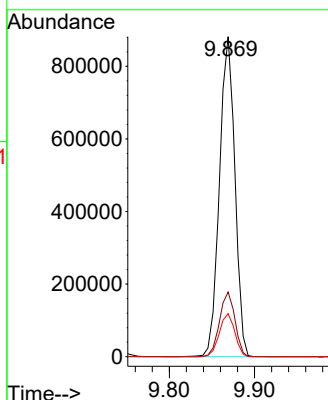
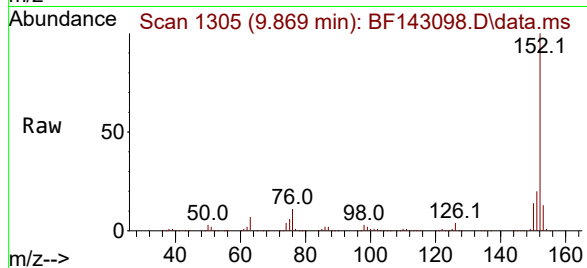
153 13.4 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#50

Dimethylphthalate

Concen: 51.728 ng

RT: 9.722 min Scan# 1280

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

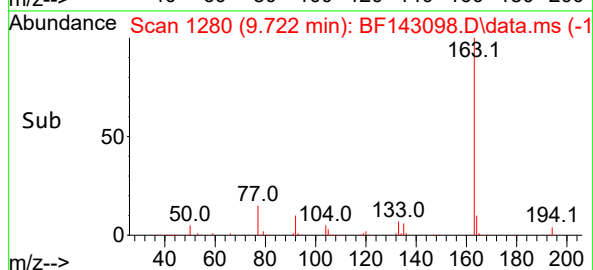
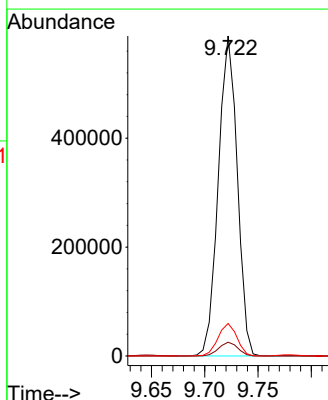
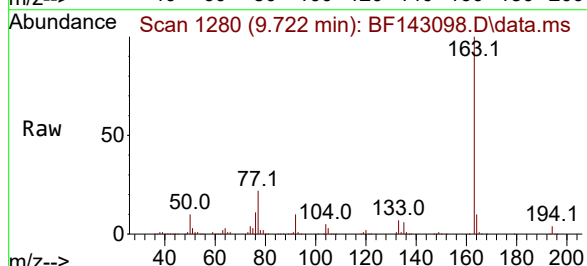
Tgt Ion:163 Resp: 726121

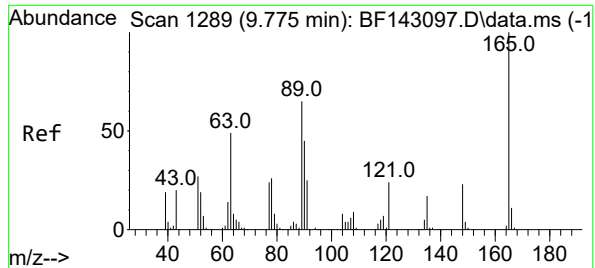
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

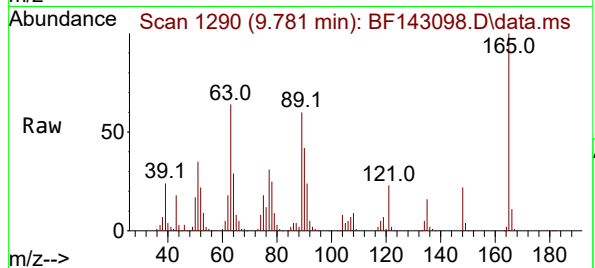
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 52.497 ng
RT: 9.781 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

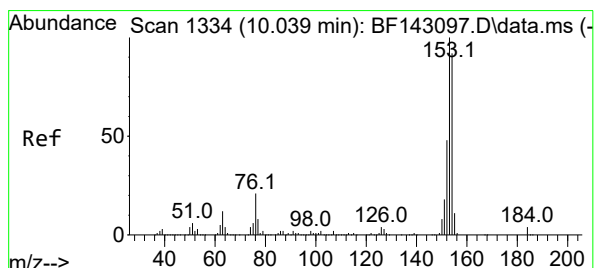
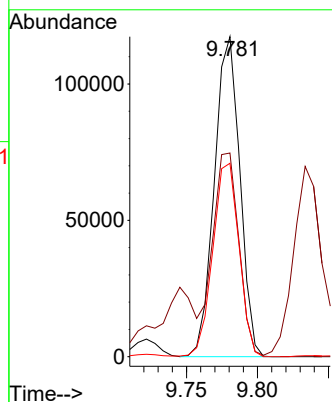
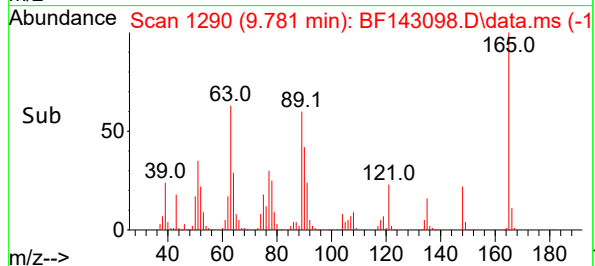
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 146385
Ion Ratio Lower Upper
165 100
63 63.7 57.4 86.0
89 60.4 51.8 77.8

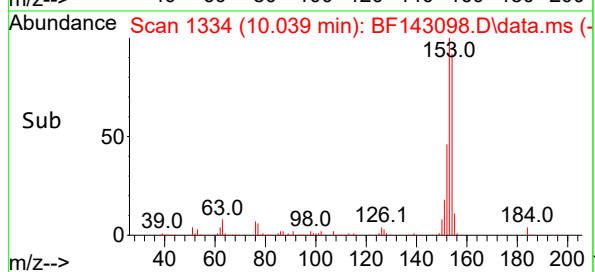
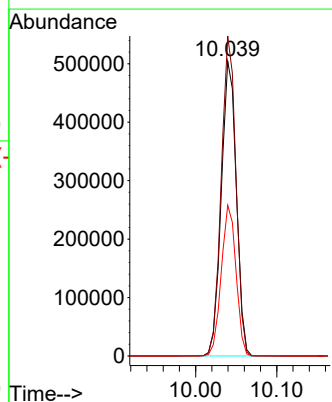
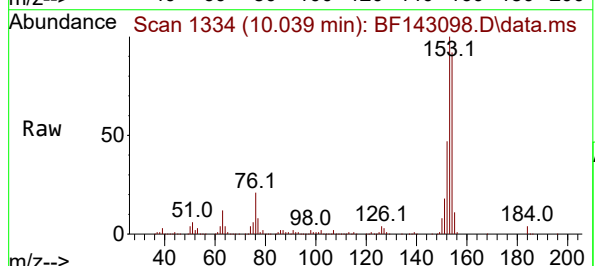
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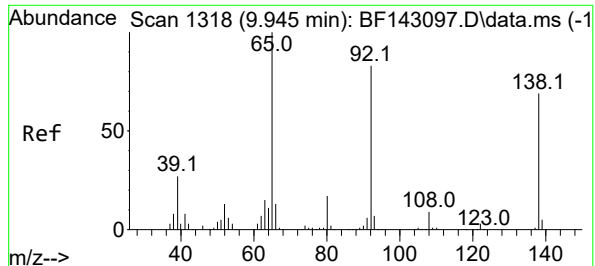
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#52
Acenaphthene
Concen: 50.669 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

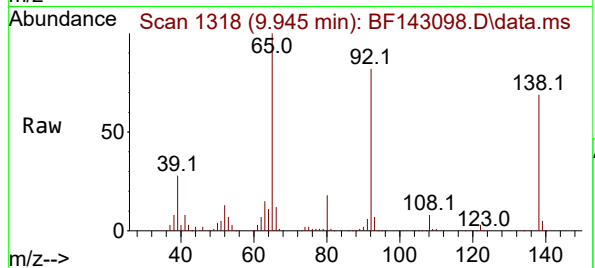
Tgt Ion:154 Resp: 651291
Ion Ratio Lower Upper
154 100
153 108.6 86.7 130.1
152 51.1 41.4 62.2





#53
3-Nitroaniline
Concen: 58.553 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

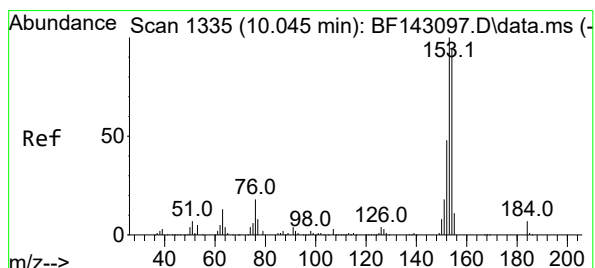
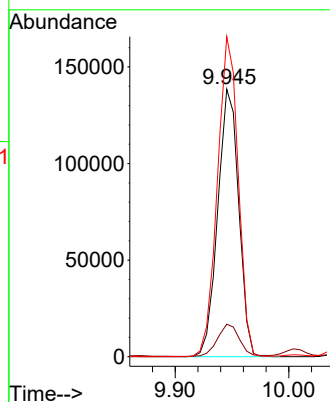
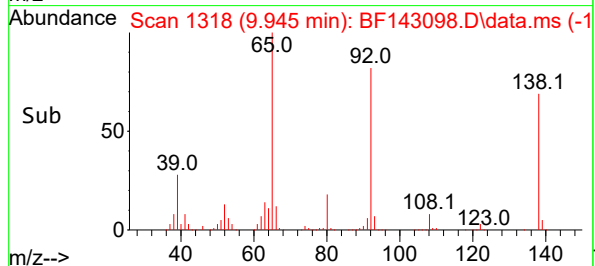
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:138 Resp: 177602
Ion Ratio Lower Upper
138 100
108 12.1 10.1 15.1
92 119.6 96.4 144.6

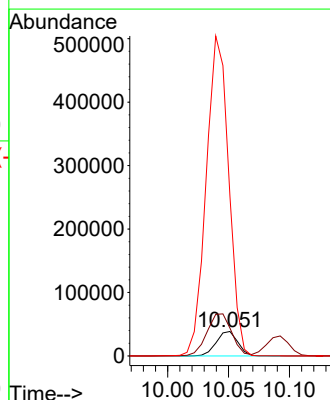
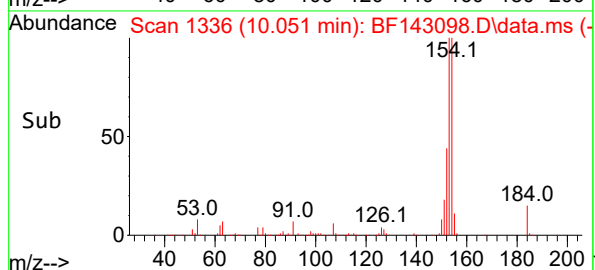
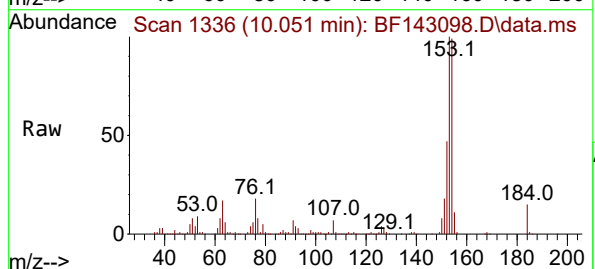
Manual Integrations
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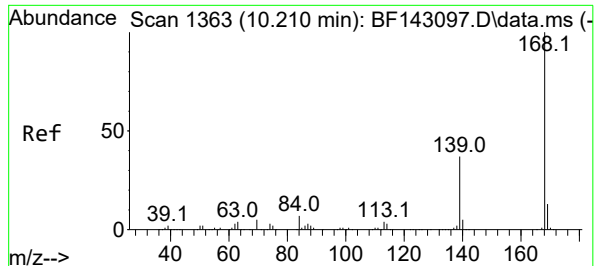
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#54
2,4-Dinitrophenol
Concen: 51.931 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:184 Resp: 47800
Ion Ratio Lower Upper
184 100
63 113.4 149.3 223.9#
154 651.1 1048.0 1572.0#





#55

Dibenzenofuran

Concen: 50.344 ng

RT: 10.210 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:168 Resp: 96454

Ion Ratio Lower Upper

168 100

139 37.0 29.8 44.6

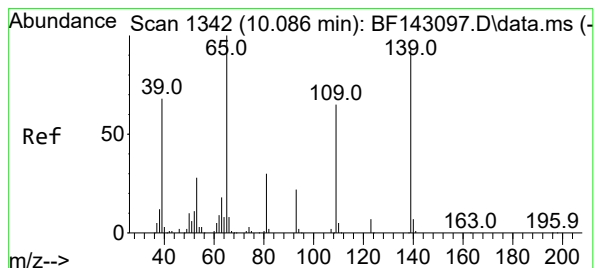
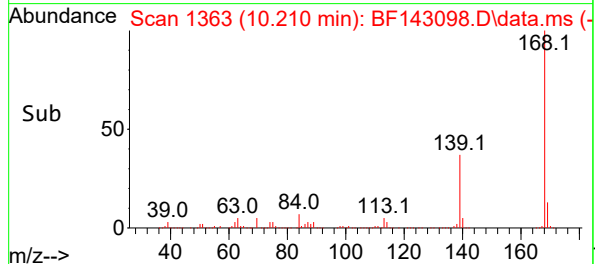
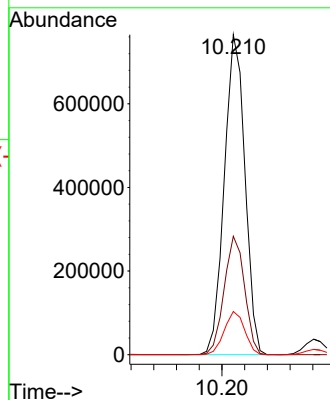
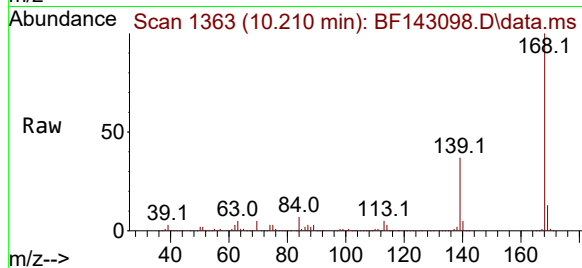
169 13.5 10.8 16.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#56

4-Nitrophenol

Concen: 55.203 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

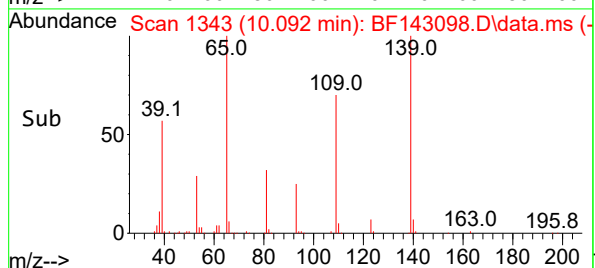
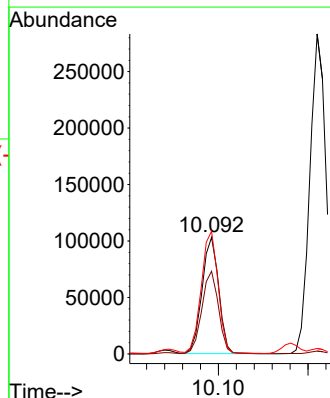
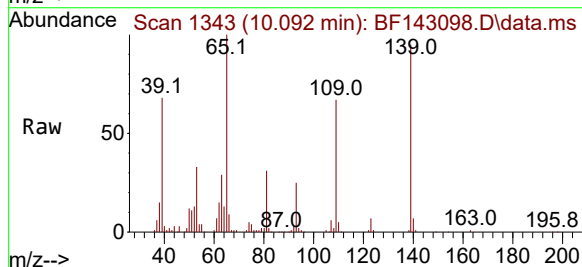
Tgt Ion:139 Resp: 133073

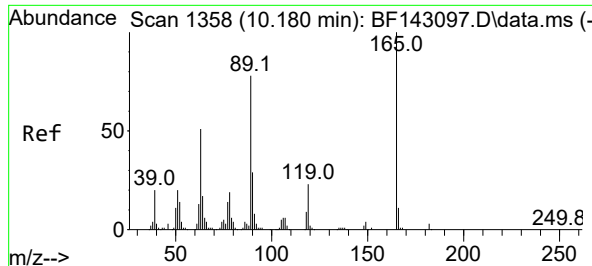
Ion Ratio Lower Upper

139 100

109 70.9 49.4 89.4

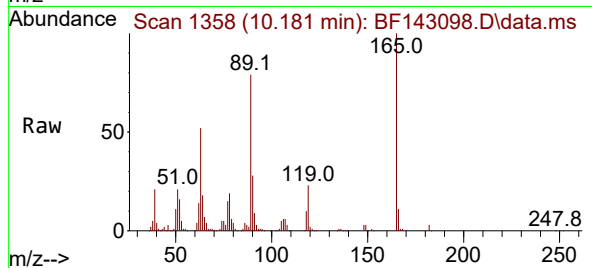
65 105.2 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 52.116 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.001 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

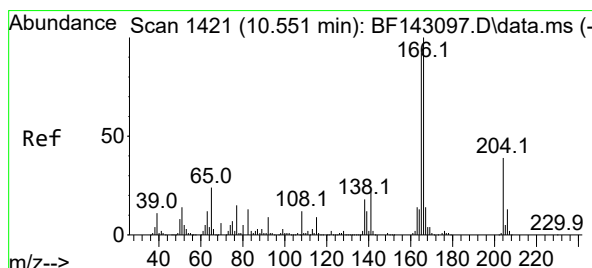
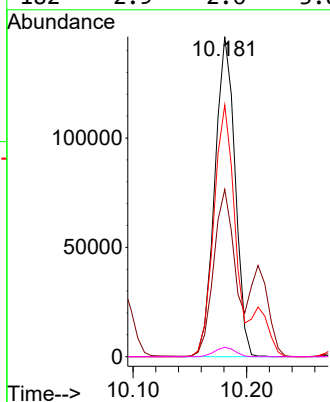
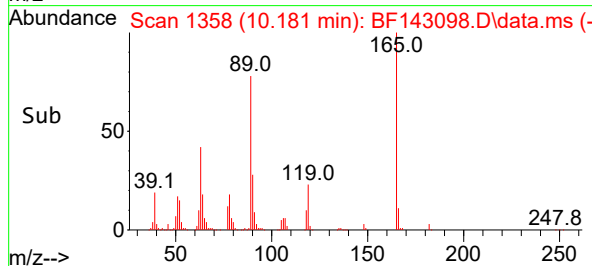
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



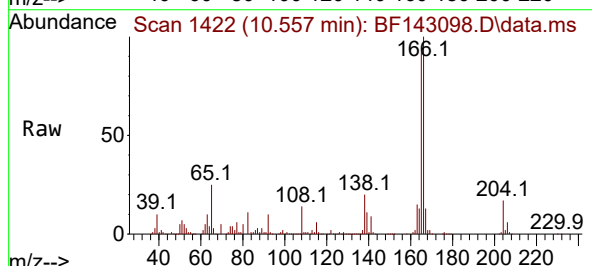
Tgt Ion:165 Resp: 181610
Ion Ratio Lower Upper
165 100
63 52.2 40.6 61.0
89 78.6 62.3 93.5
182 2.9 2.6 3.8

Manual Integrations
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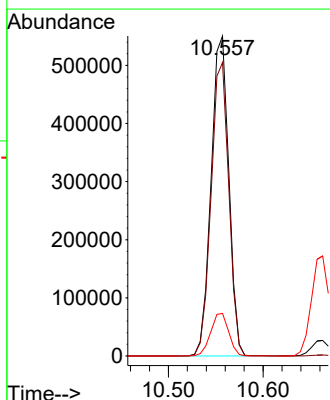
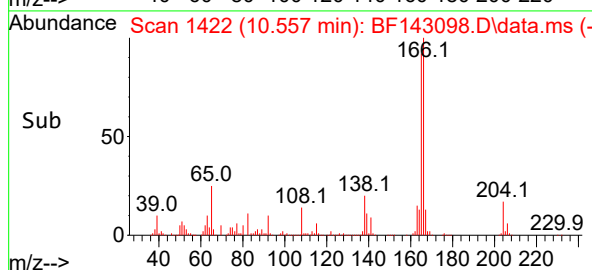
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

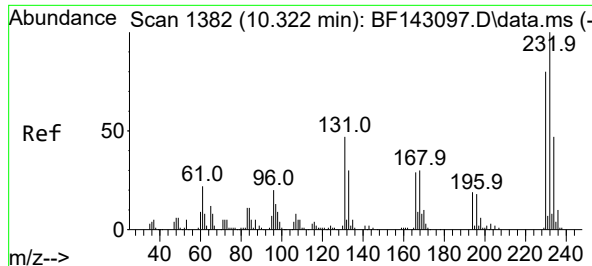


#58
Fluorene
Concen: 49.859 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35



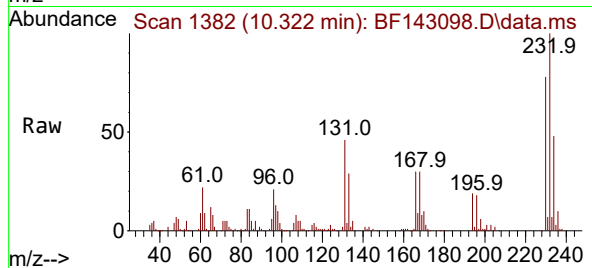
Tgt Ion:166 Resp: 716173
Ion Ratio Lower Upper
166 100
165 91.7 73.7 110.5
167 13.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 56.202 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

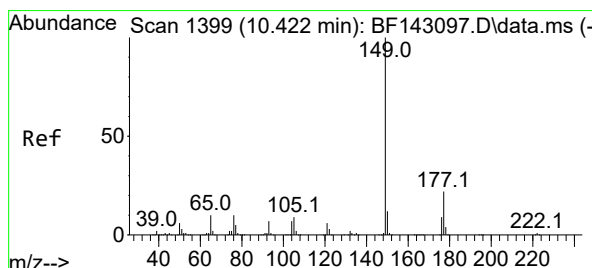
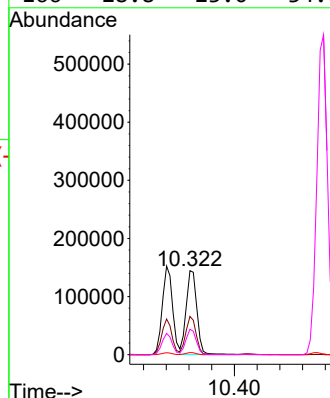
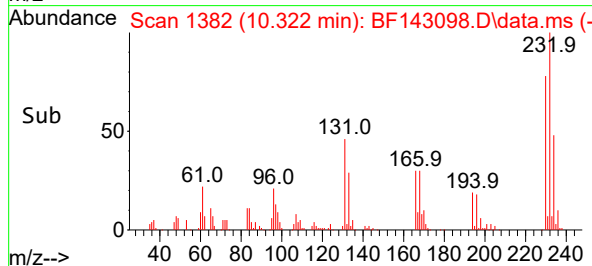
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 18921
Ion Ratio Lower Upper
232 100
131 43.8 36.9 55.3
130 2.3 1.8 2.8
166 28.8 23.0 34.6

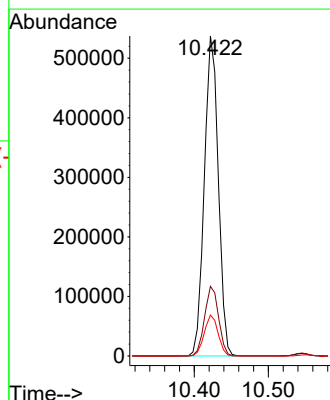
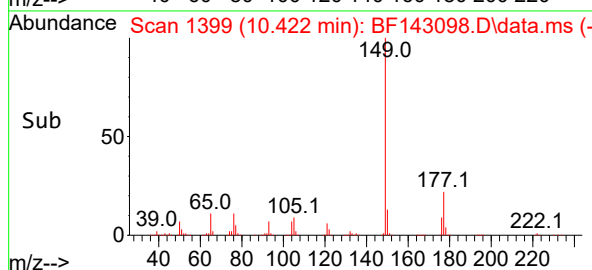
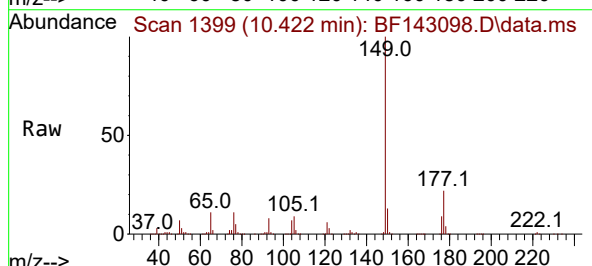
Manual Integrations
APPROVED

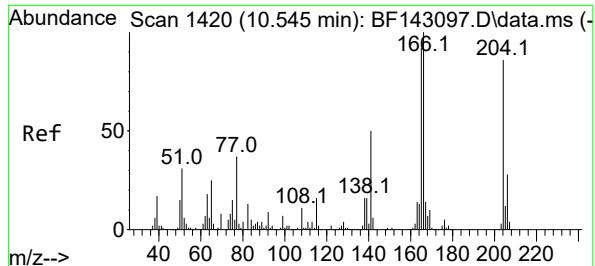
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#60
Diethylphthalate
Concen: 51.909 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

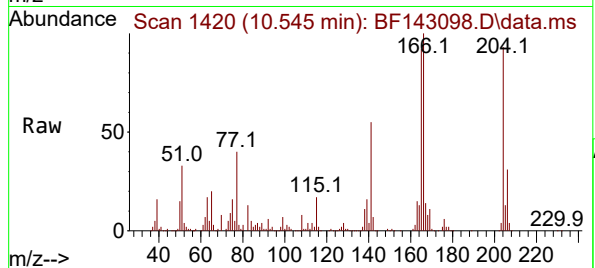
Tgt Ion:149 Resp: 702995
Ion Ratio Lower Upper
149 100
177 21.7 17.3 25.9
150 12.8 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 50.675 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

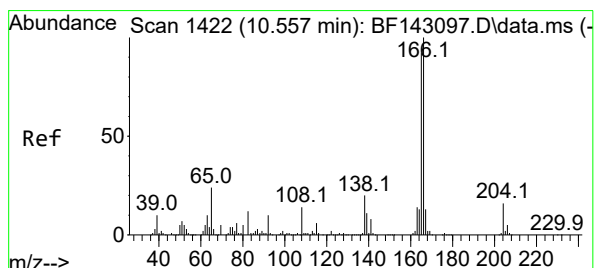
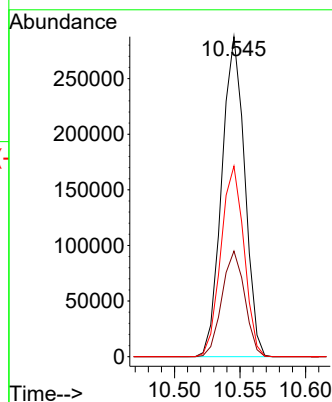
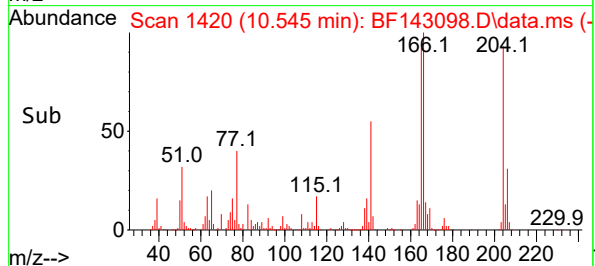
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



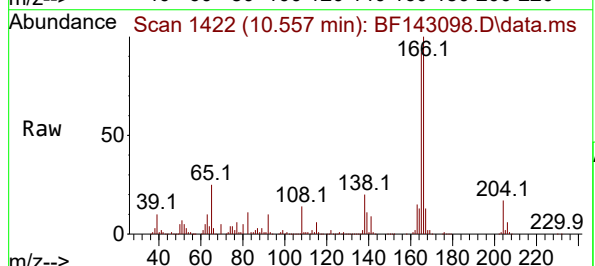
Tgt Ion:204 Resp: 348870
Ion Ratio Lower Upper
204 100
206 33.0 25.8 38.6
141 59.6 46.8 70.2

Manual Integrations
APPROVED

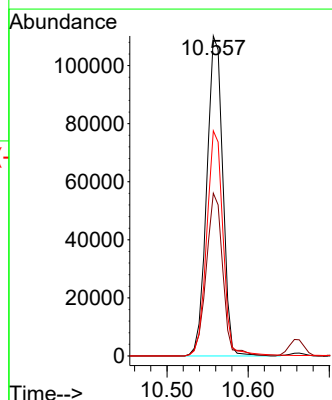
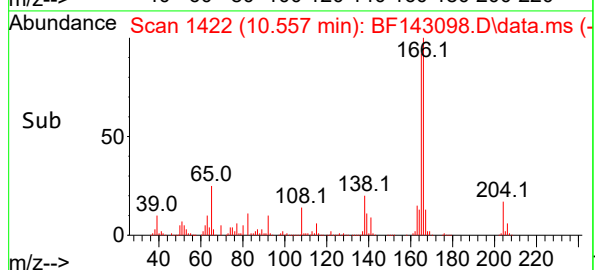
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

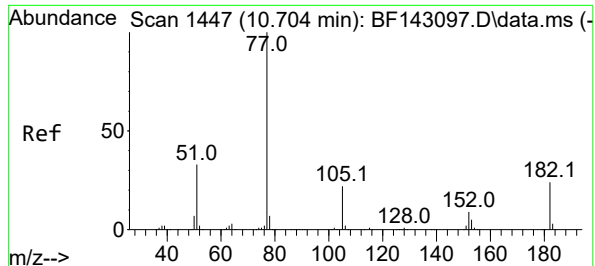


#62
4-Nitroaniline
Concen: 57.045 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35



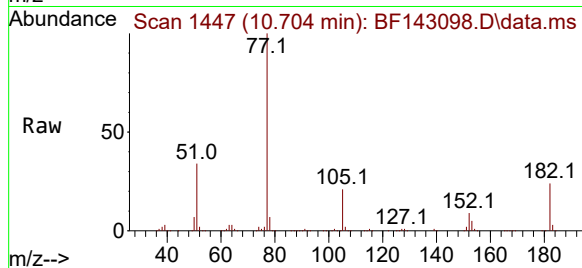
Tgt Ion:138 Resp: 150470
Ion Ratio Lower Upper
138 100
92 50.9 30.4 70.4
108 70.3 49.5 89.5





#63
Azobenzene
Concen: 51.451 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

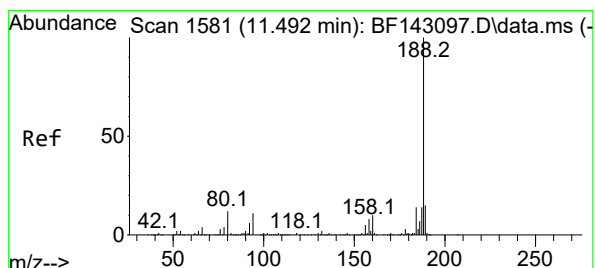
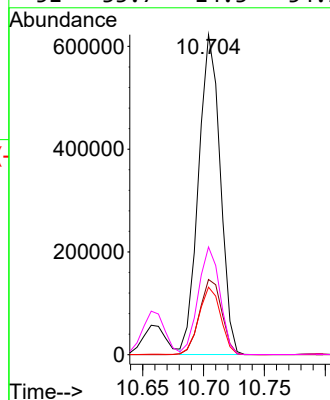
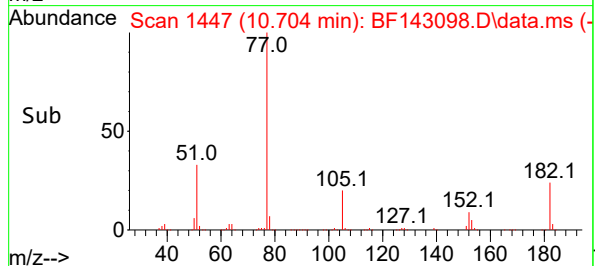
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 77060
Ion Ratio Lower Upper
77 100
182 23.5 4.0 44.0
105 21.1 1.4 41.4
51 33.7 14.3 54.3

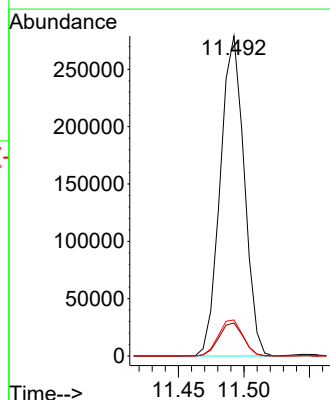
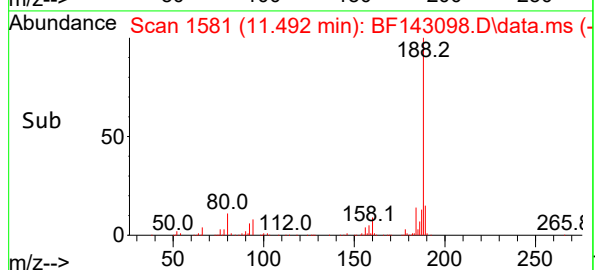
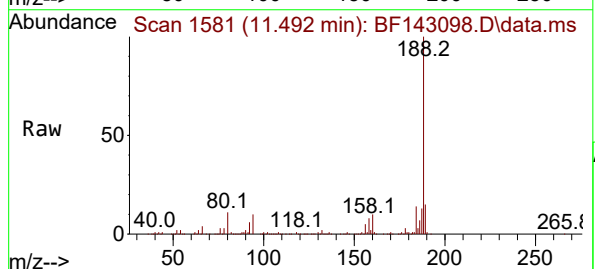
Manual Integrations
APPROVED

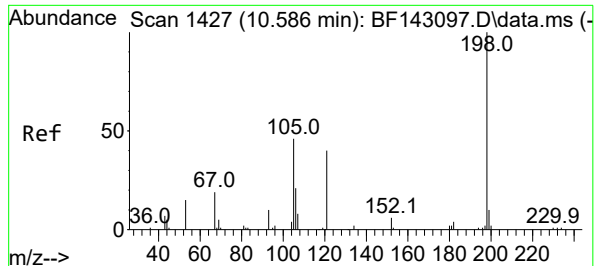
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:188 Resp: 354075
Ion Ratio Lower Upper
188 100
94 10.3 8.6 13.0
80 11.3 9.3 13.9





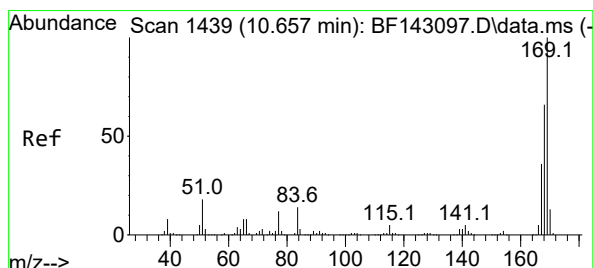
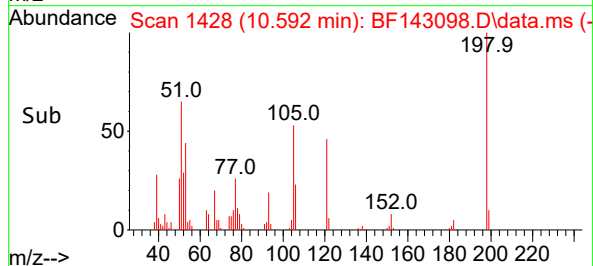
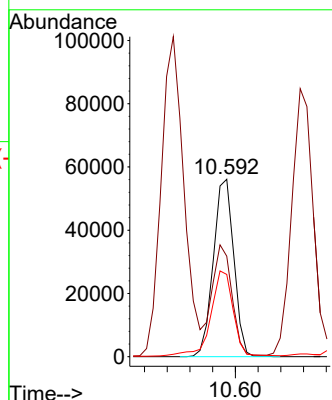
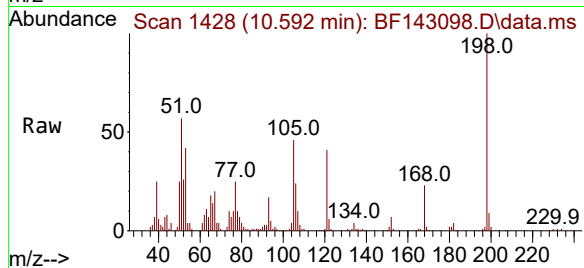
#65
4,6-Dinitro-2-methylphenol
Concen: 51.847 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 70324
Ion Ratio Lower Upper
198 100
51 56.6 44.6 84.6
105 46.4 29.3 69.3

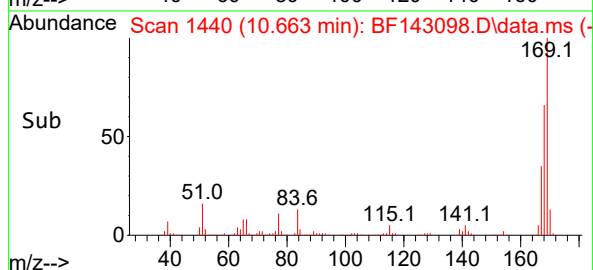
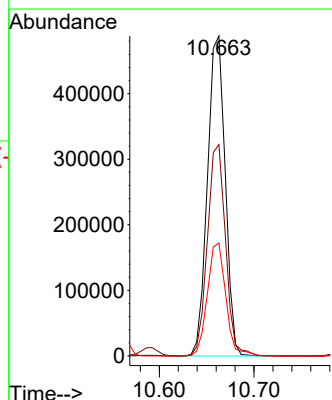
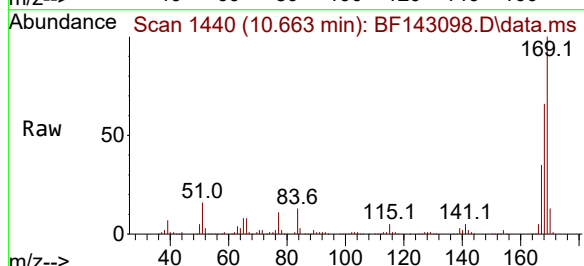
Manual Integrations
APPROVED

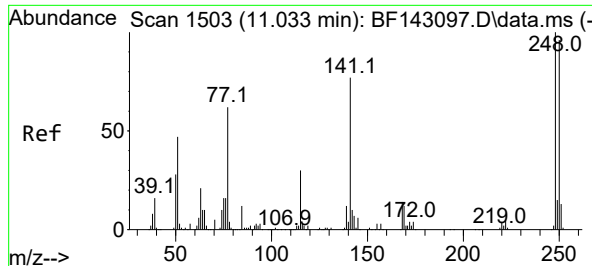
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#66
n-Nitrosodiphenylamine
Concen: 51.019 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

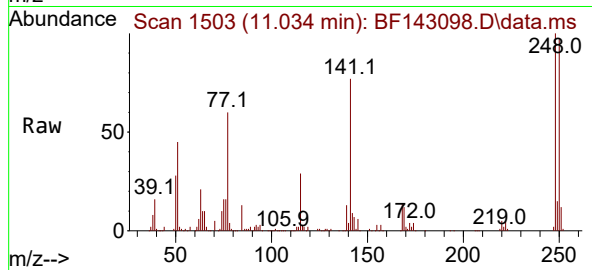
Tgt Ion:169 Resp: 634539
Ion Ratio Lower Upper
169 100
168 66.1 53.0 79.6
167 35.3 28.4 42.6





#67
4-Bromophenyl-phenylether
Concen: 52.494 ng
RT: 11.034 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

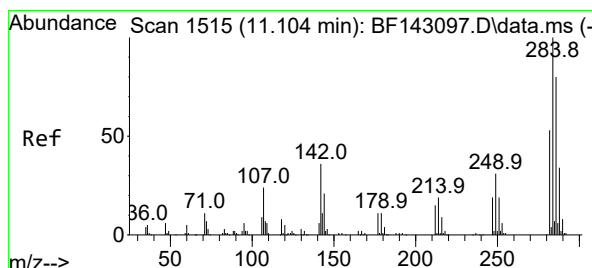
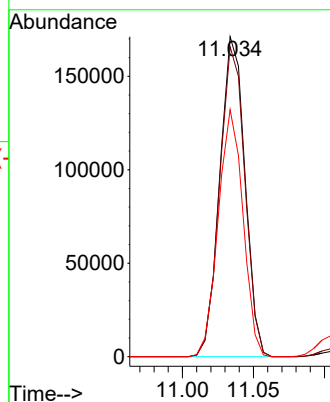
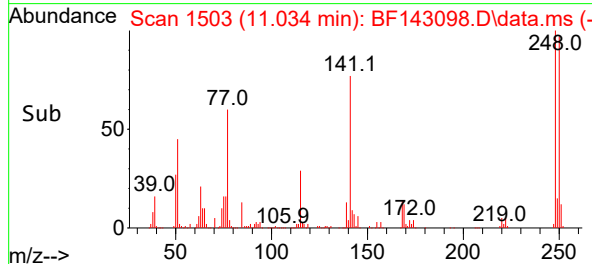
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



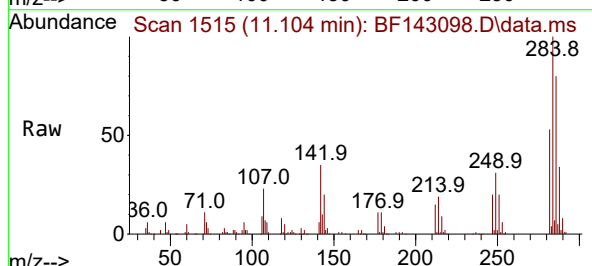
Tgt Ion:248 Resp: 21137
Ion Ratio Lower Upper
248 100
250 96.9 76.7 115.1
141 77.2 61.7 92.5

Manual Integrations
APPROVED

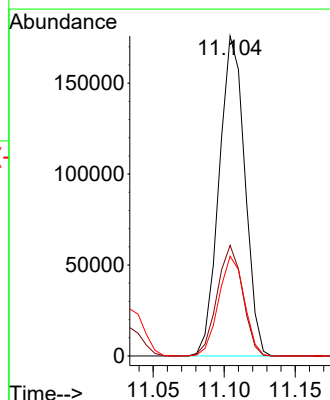
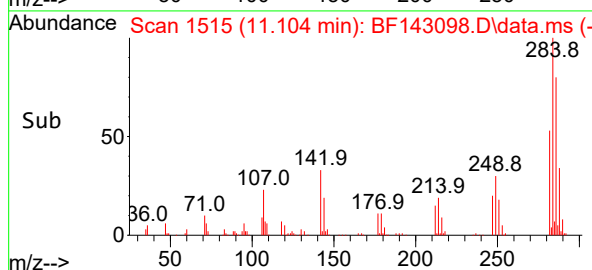
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

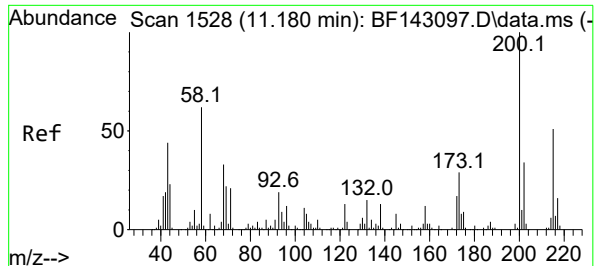


#68
Hexachlorobenzene
Concen: 51.785 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35



Tgt Ion:284 Resp: 221245
Ion Ratio Lower Upper
284 100
142 34.5 28.9 43.3
249 31.1 24.6 37.0





#69

Atrazine

Concen: 54.359 ng

RT: 11.181 min Scan# 1528

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:200 Resp: 172972

Ion Ratio Lower Upper

200 100

173 29.0 9.1 49.1

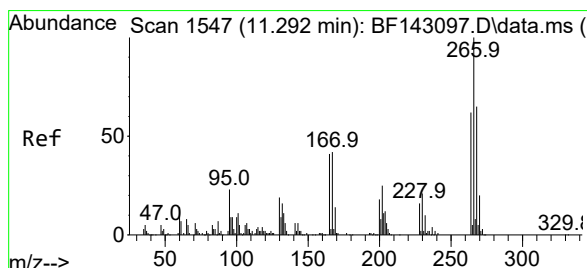
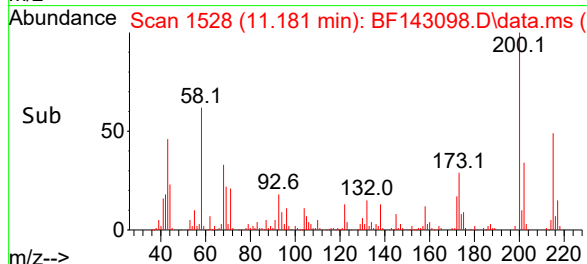
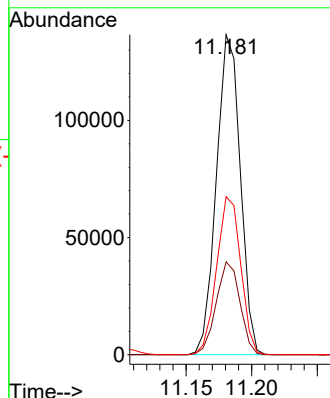
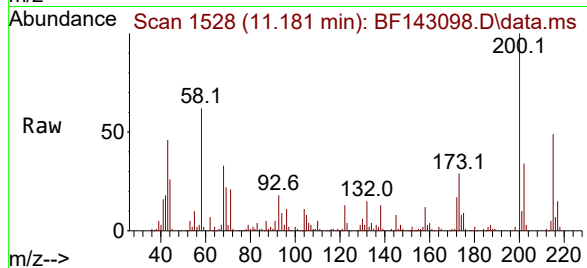
215 49.4 31.0 71.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#70

Pentachlorophenol

Concen: 56.120 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

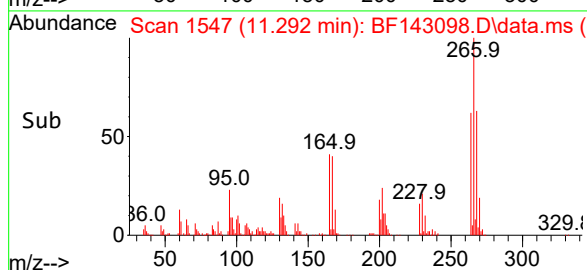
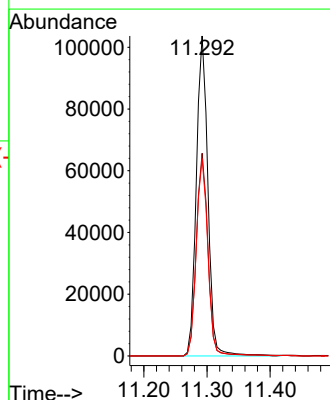
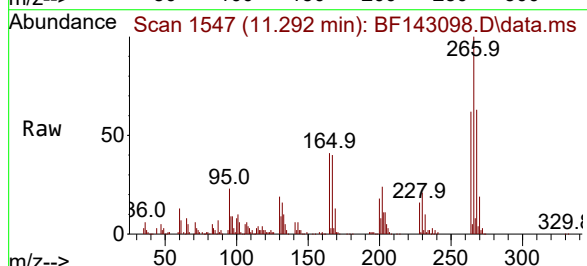
Tgt Ion:266 Resp: 131545

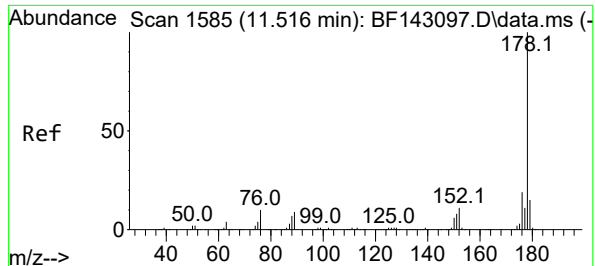
Ion Ratio Lower Upper

266 100

268 63.3 51.8 77.6

264 61.7 49.7 74.5





#71

Phenanthrene

Concen: 50.425 ng

RT: 11.516 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:178 Resp: 96356

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

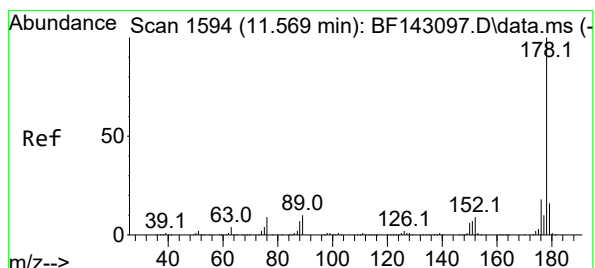
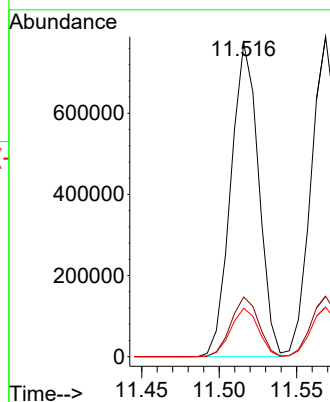
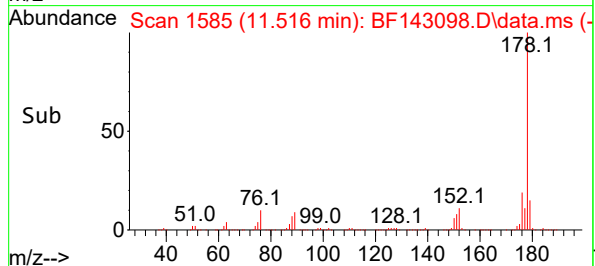
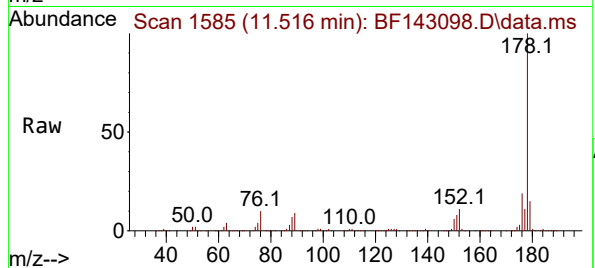
179 15.5 12.2 18.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#72

Anthracene

Concen: 50.953 ng

RT: 11.569 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

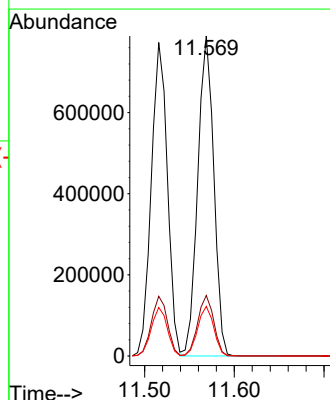
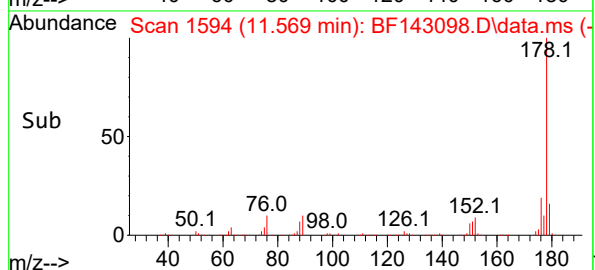
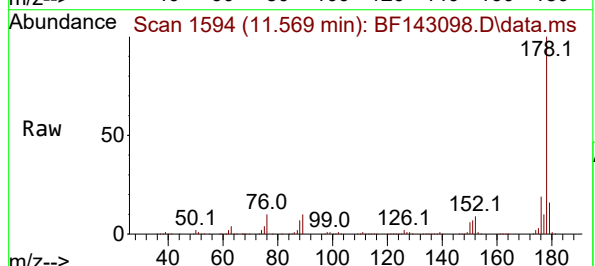
Tgt Ion:178 Resp: 979118

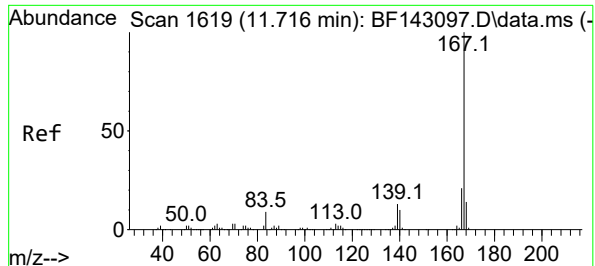
Ion Ratio Lower Upper

178 100

176 18.9 14.7 22.1

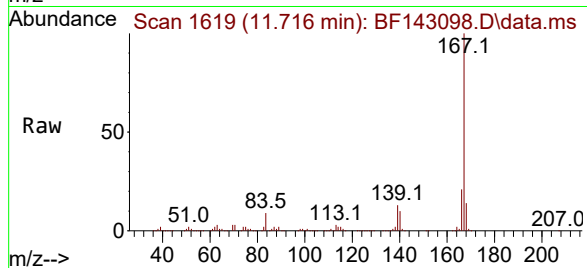
179 15.5 12.4 18.6





#73
Carbazole
Concen: 51.340 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

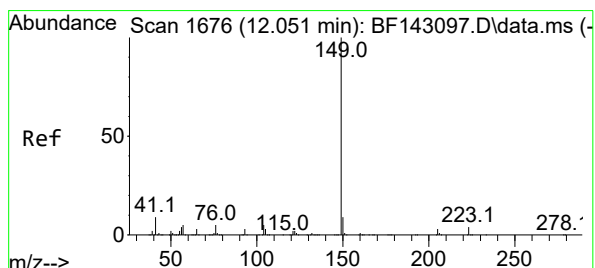
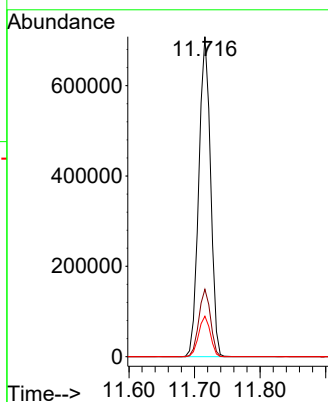
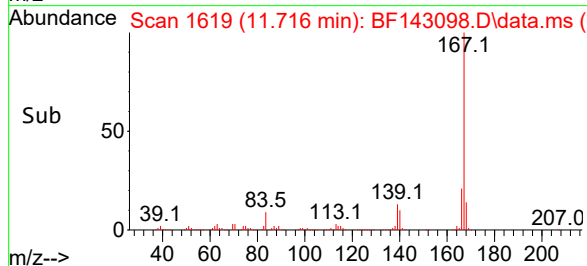
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



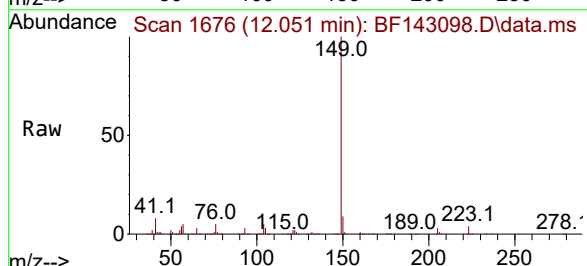
Tgt Ion:167 Resp: 88382
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.7 10.2 15.4

Manual Integrations
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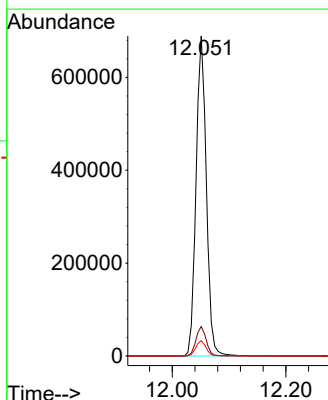
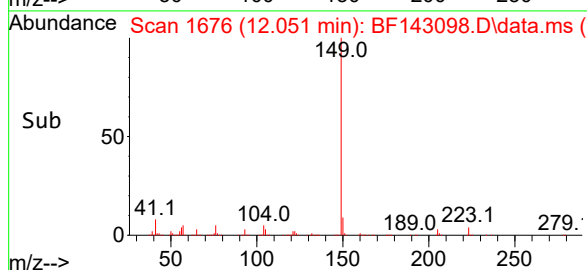
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

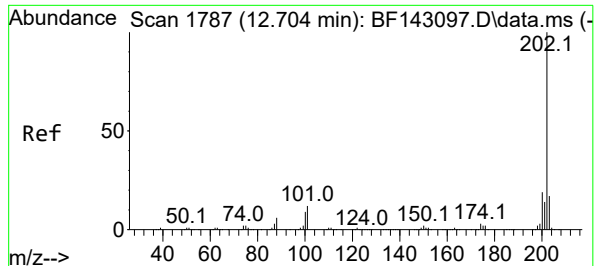


#74
Di-n-butylphthalate
Concen: 55.079 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35



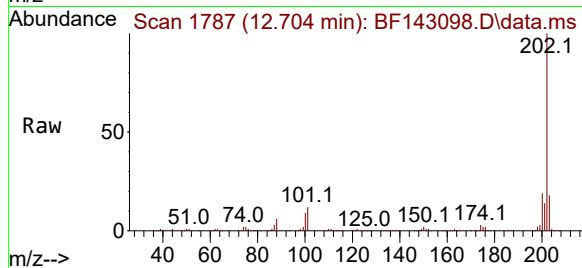
Tgt Ion:149 Resp: 870362
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.8 3.8 5.8





#75
Fluoranthene
Concen: 50.852 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

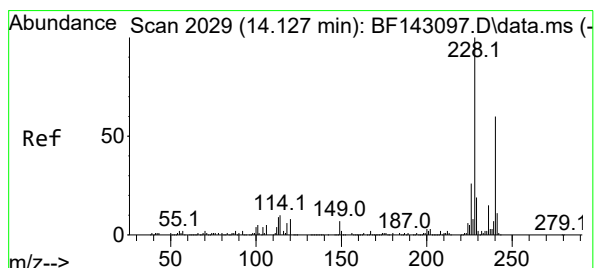
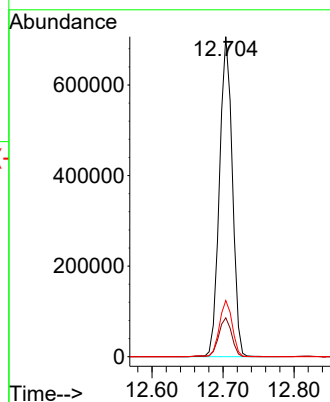
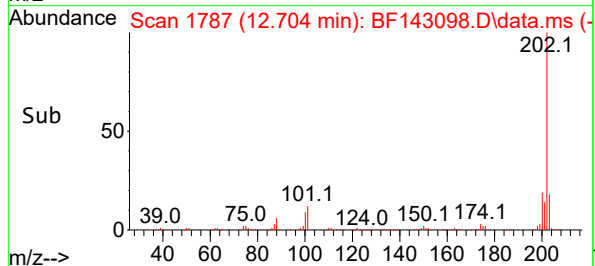
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 883558
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.4
203 17.5 0.0 37.4

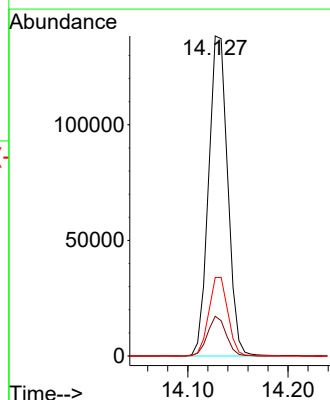
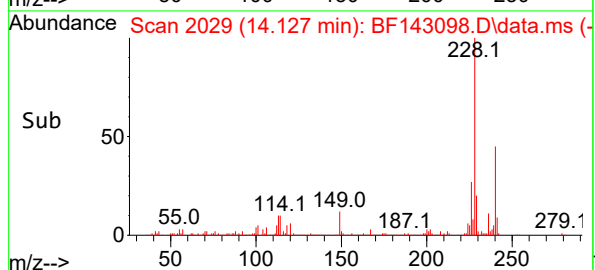
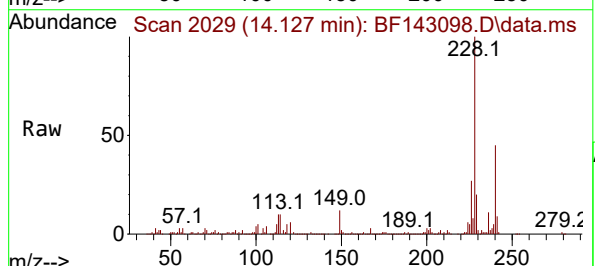
Manual Integrations
APPROVED

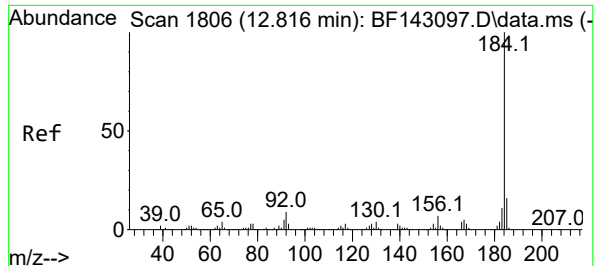
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

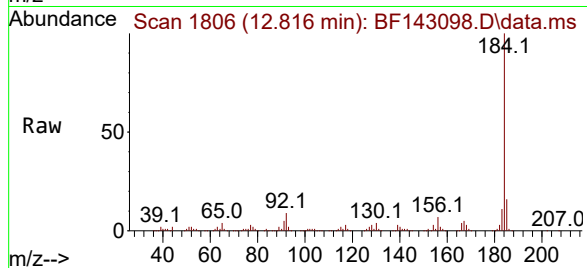
Tgt Ion:240 Resp: 183692
Ion Ratio Lower Upper
240 100
120 12.4 10.0 15.0
236 24.5 20.0 30.0





#77
Benzidine
Concen: 49.425 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

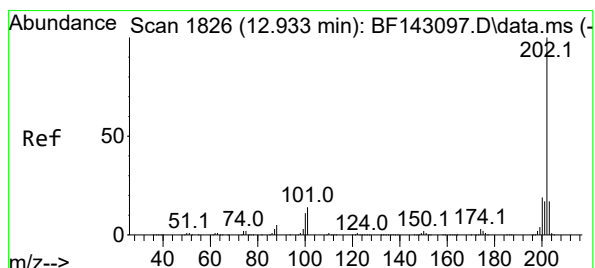
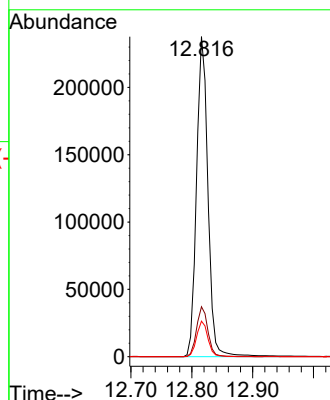
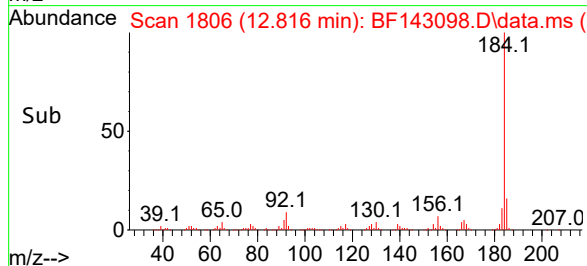
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 30931
Ion Ratio Lower Upper
184 100
185 15.6 12.4 18.6
183 11.1 8.6 12.8

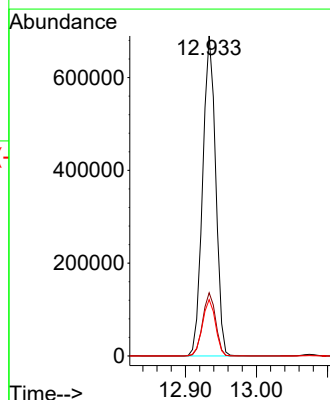
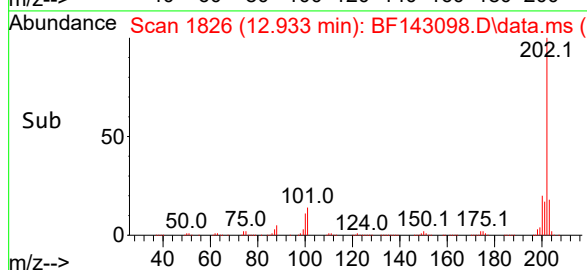
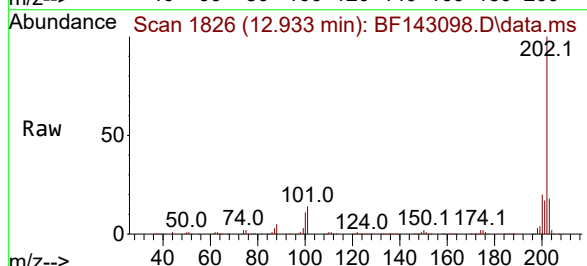
Manual Integrations
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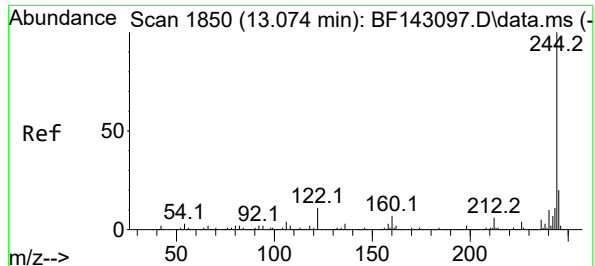
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#78
Pyrene
Concen: 51.681 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:202 Resp: 880826
Ion Ratio Lower Upper
202 100
200 19.8 15.5 23.3
203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: 101.195 ng

RT: 13.075 min Scan# 1850

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:244 Resp: 1271620

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

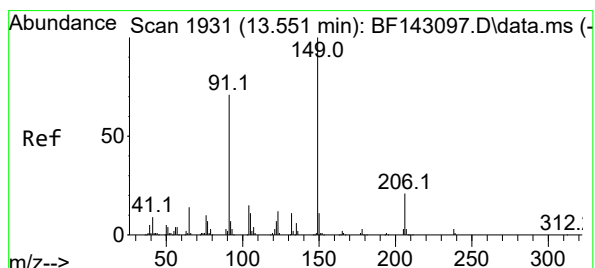
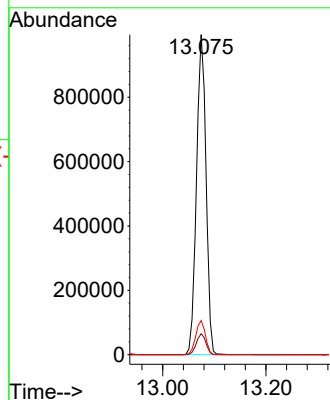
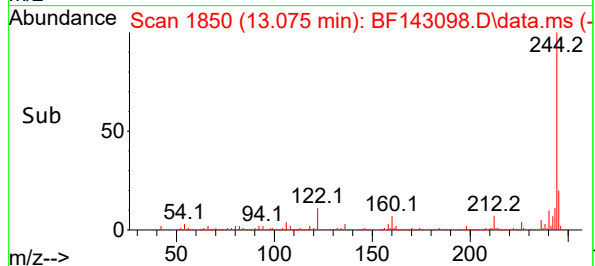
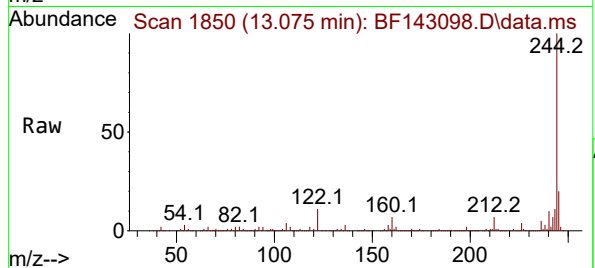
122 10.7 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#80

Butylbenzylphthalate

Concen: 51.324 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

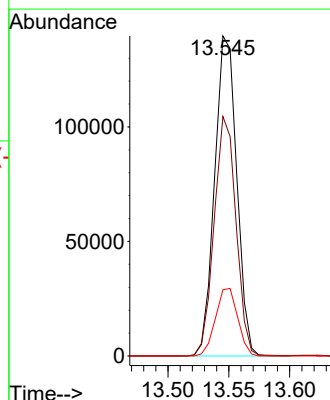
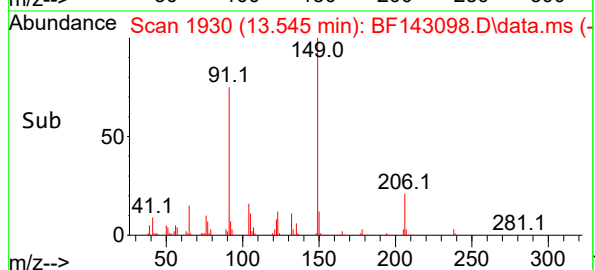
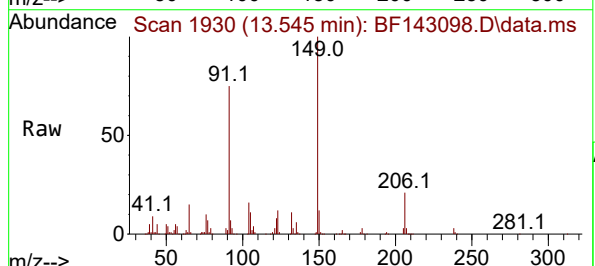
Tgt Ion:149 Resp: 176615

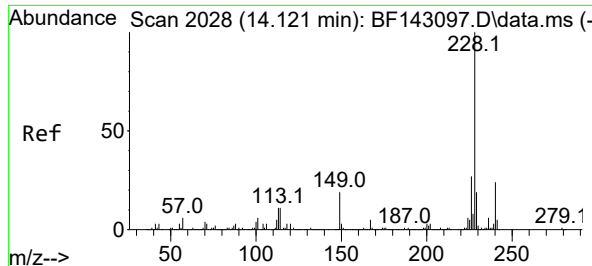
Ion Ratio Lower Upper

149 100

91 74.8 57.0 85.4

206 20.7 17.2 25.8





#81

Benzo(a)anthracene

Concen: 52.641 ng

RT: 14.122 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:228 Resp: 64435

Ion Ratio Lower Upper

228 100

226 26.9 21.3 31.9

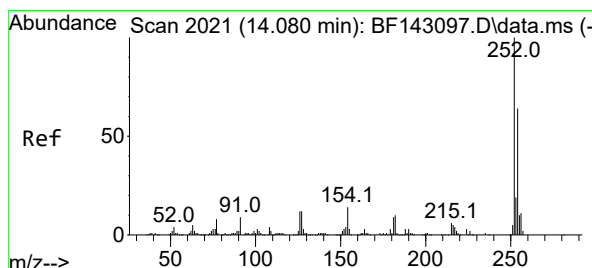
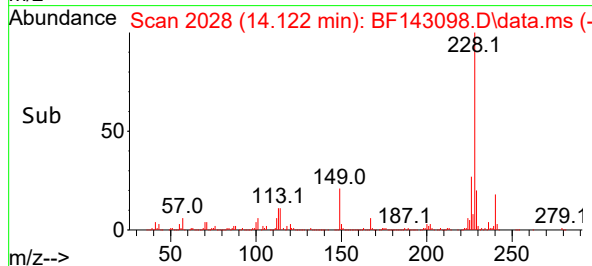
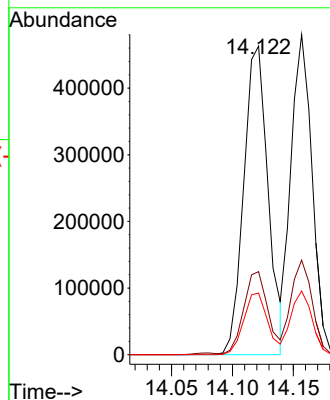
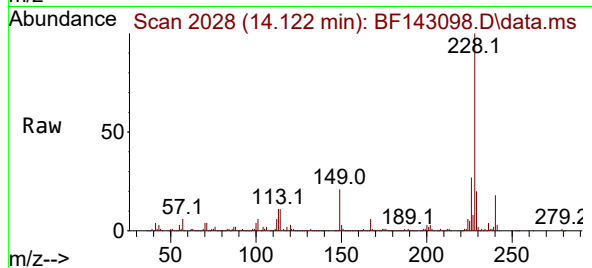
229 20.0 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#82

3,3'-Dichlorobenzidine

Concen: 55.273 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

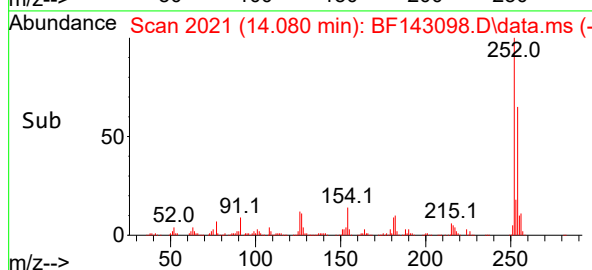
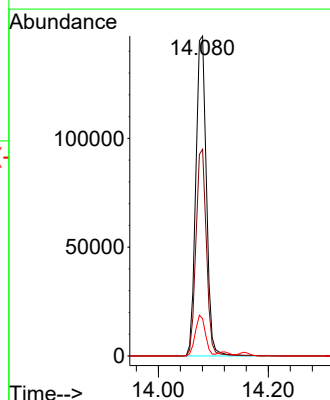
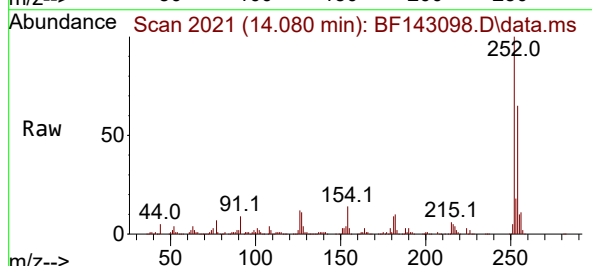
Tgt Ion:252 Resp: 196472

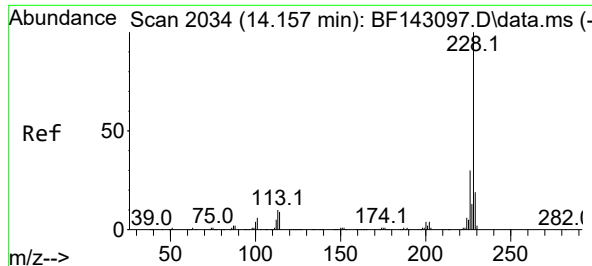
Ion Ratio Lower Upper

252 100

254 64.6 51.5 77.3

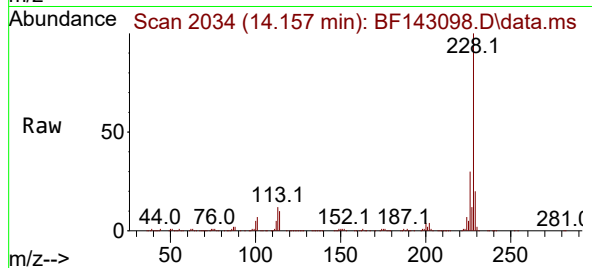
126 11.7 9.4 14.0





#83
Chrysene
Concen: 51.740 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

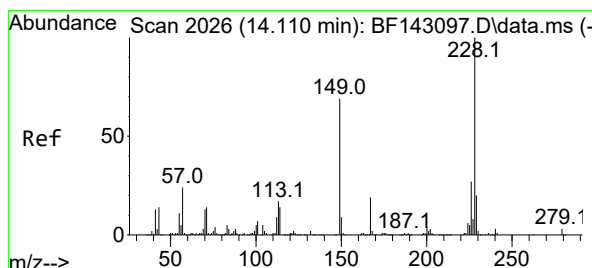
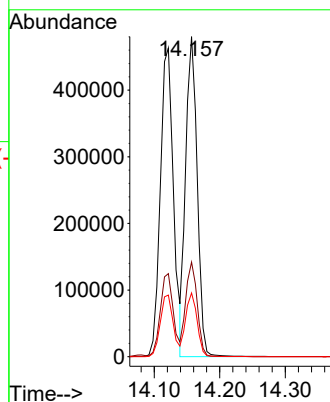
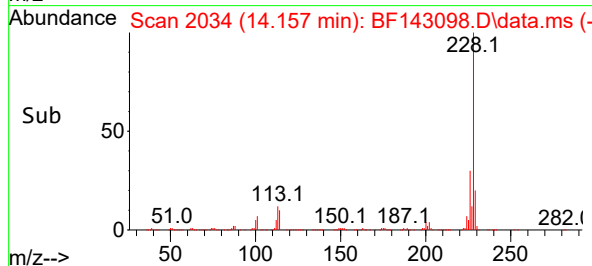
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 583302
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 19.9 15.3 22.9

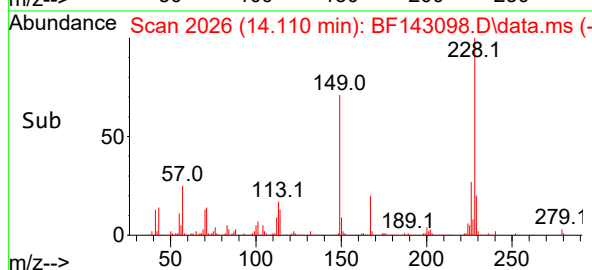
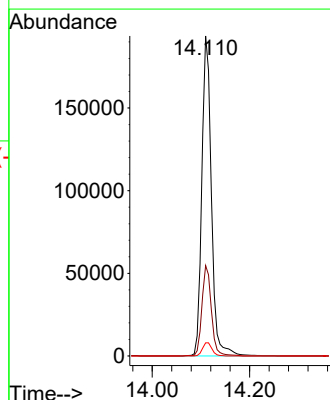
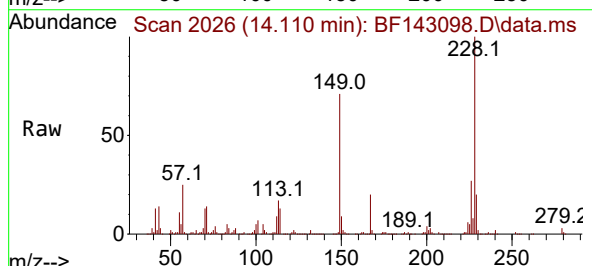
Manual Integrations
APPROVED

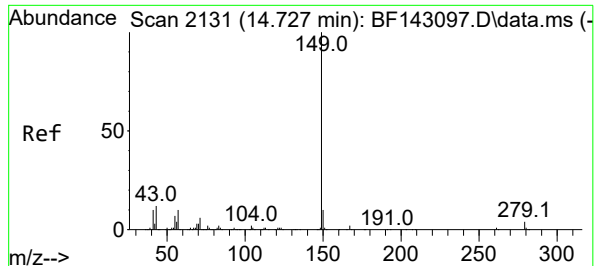
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.119 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

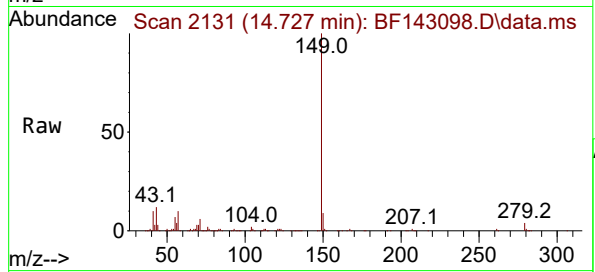
Tgt Ion:149 Resp: 265225
Ion Ratio Lower Upper
149 100
167 28.2 21.9 32.9
279 4.1 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 50.100 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

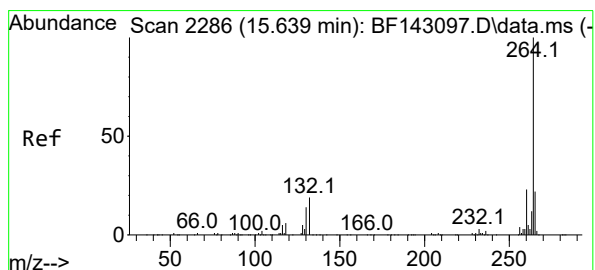
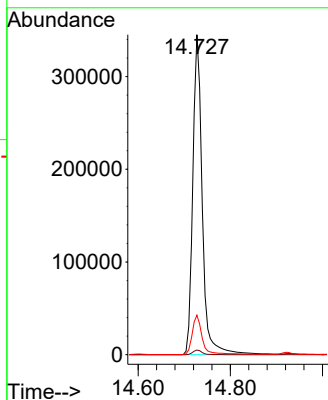
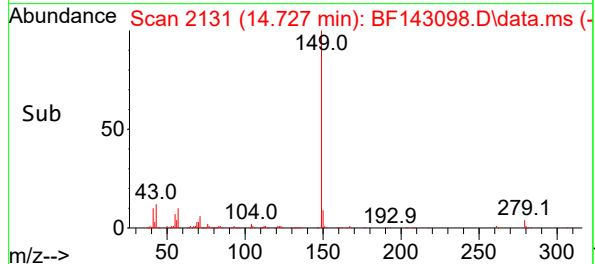
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



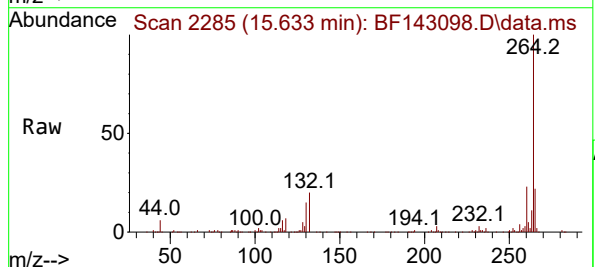
Tgt Ion:149 Resp: 492840
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 13.0 10.6 16.0

Manual Integrations
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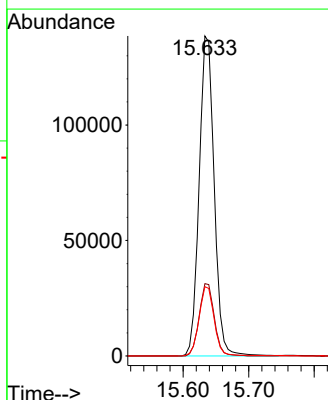
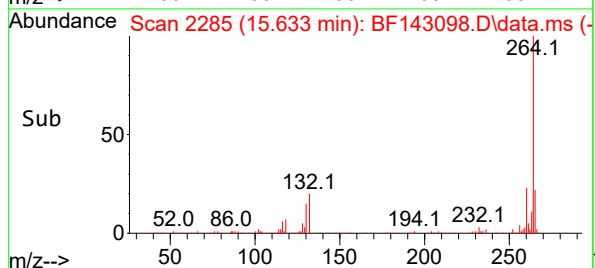
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

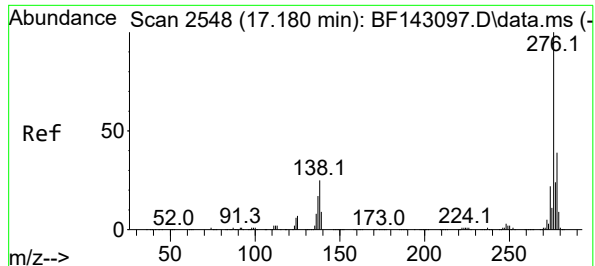


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35



Tgt Ion:264 Resp: 221502
Ion Ratio Lower Upper
264 100
260 22.6 18.5 27.7
265 21.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.440 ng

RT: 17.180 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:276 Resp: 896872

Ion Ratio Lower Upper

276 100

138 28.1 22.6 34.0

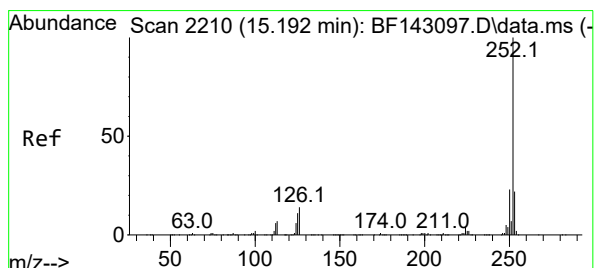
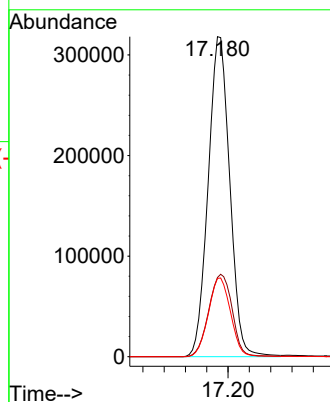
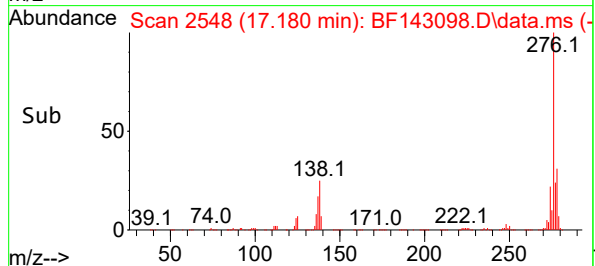
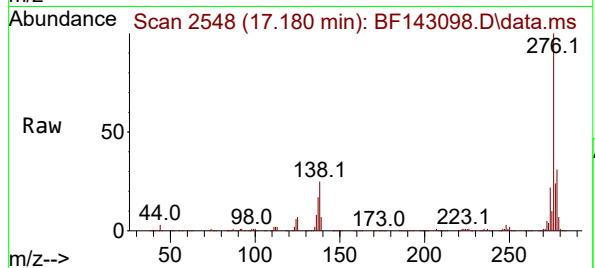
277 25.4 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#88

Benzo(b)fluoranthene

Concen: 56.204 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

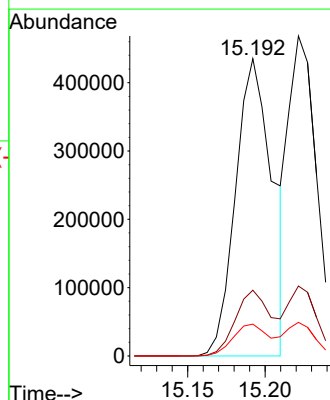
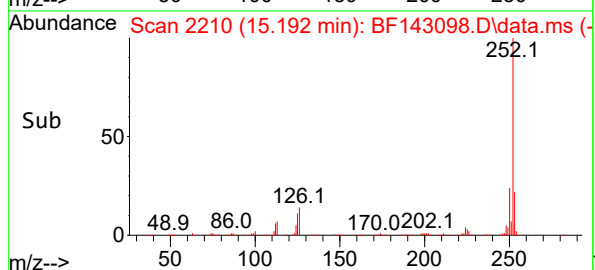
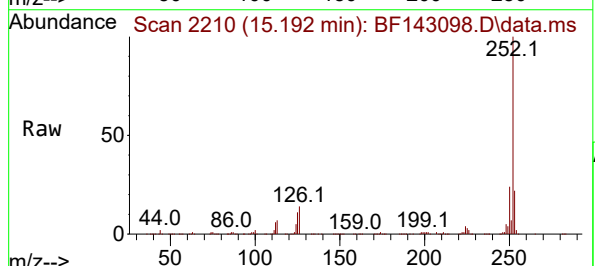
Tgt Ion:252 Resp: 718106

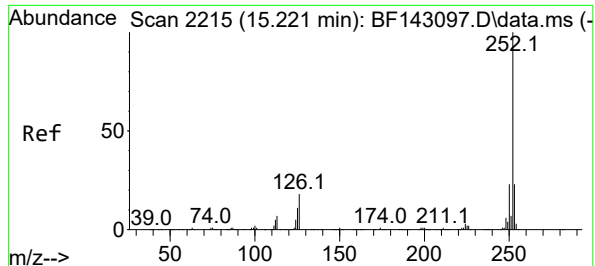
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.7 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 49.410 ng

RT: 15.221 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 60226

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

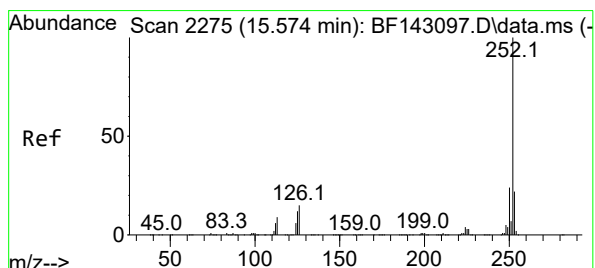
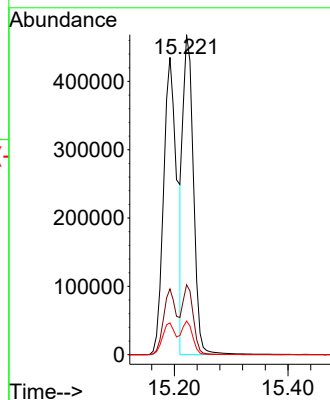
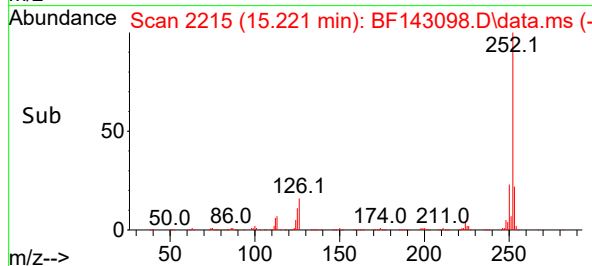
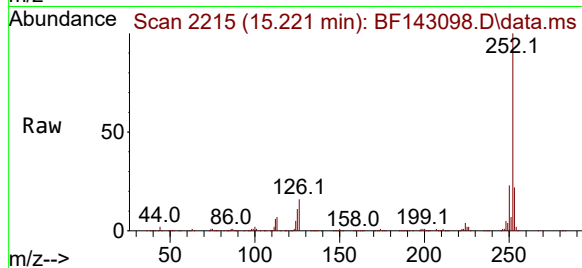
125 10.5 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#90

Benzo(a)pyrene

Concen: 54.800 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

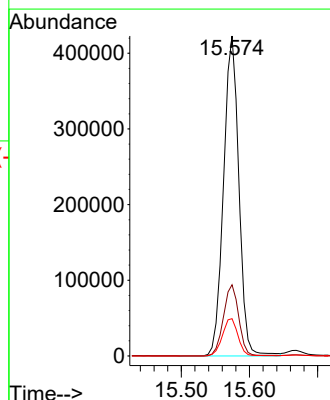
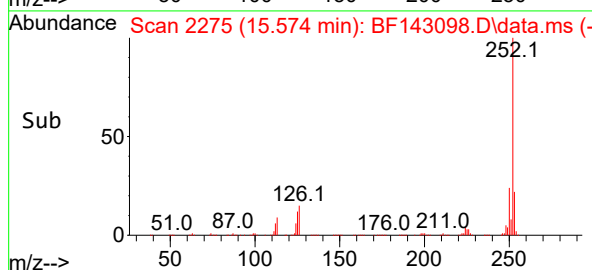
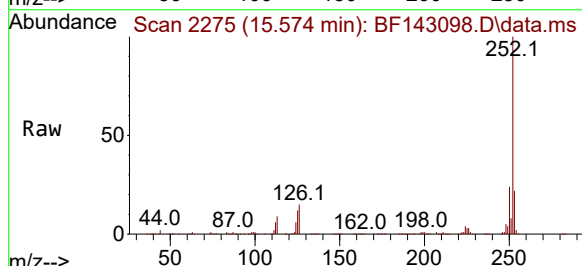
Tgt Ion:252 Resp: 662193

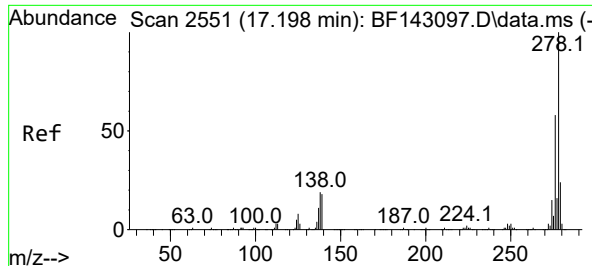
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

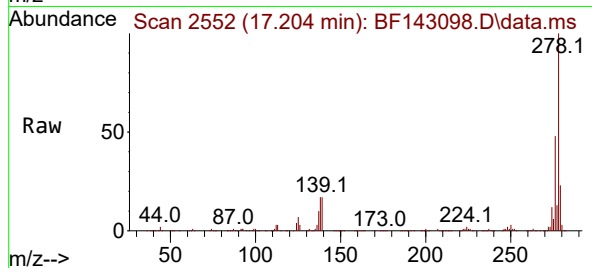
125 11.6 9.4 14.0





#91
Dibenzo(a,h)anthracene
Concen: 54.700 ng
RT: 17.204 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

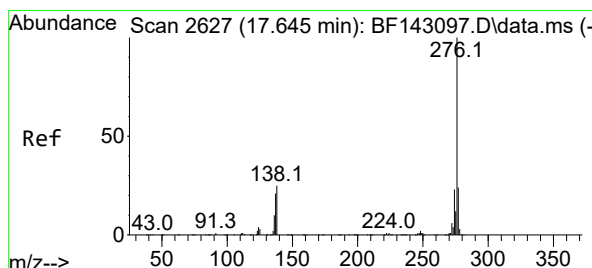
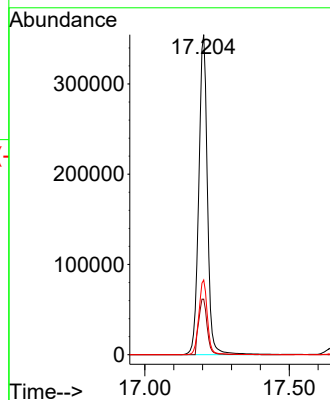
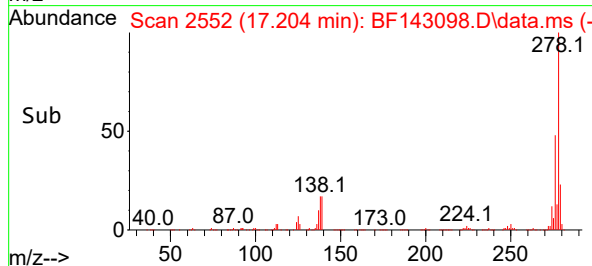
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:278 Resp: 736672
Ion Ratio Lower Upper
278 100
139 17.4 14.6 22.0
279 23.3 18.8 28.2

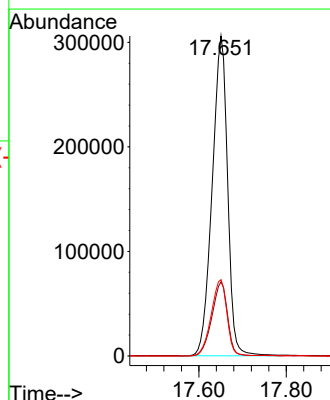
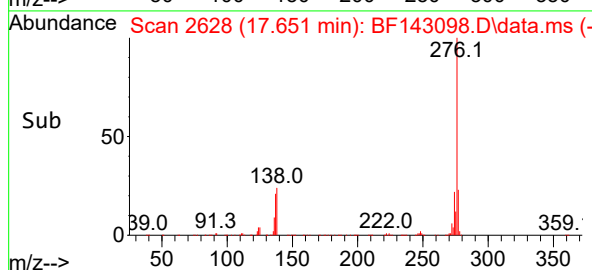
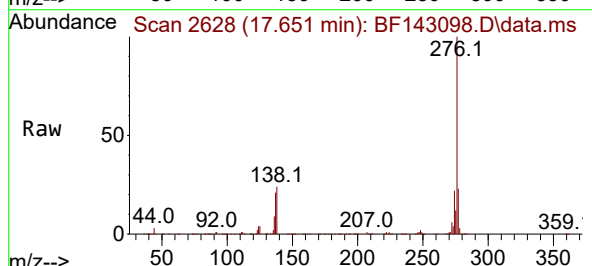
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 54.390 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:276 Resp: 746789
Ion Ratio Lower Upper
276 100
277 23.2 19.2 28.8
138 23.8 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143099.D
 Acq On : 15 Jul 2025 16:05
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:41:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	133949	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	501735	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	246002	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	380313	20.000	ng	0.00
76) Chrysene-d12	14.133	240	205942	20.000	ng	0.00
86) Perylene-d12	15.639	264	260121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	990040	116.776	ng	0.00
7) Phenol-d6	6.593	99	1243617	116.695	ng	0.00
23) Nitrobenzene-d5	7.534	82	1172838	131.129	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	286830	130.765	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1999612	108.050	ng	0.00
79) Terphenyl-d14	13.075	244	1539271	109.260	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	251636	59.625	ng	100
3) Pyridine	3.587	79	647877	60.624	ng	99
4) n-Nitrosodimethylamine	3.534	42	337438	60.943	ng	100
6) Aniline	6.634	93	882633	58.815	ng	100
8) 2-Chlorophenol	6.757	128	516965	60.690	ng	98
9) Benzaldehyde	6.522	77	467499	57.571	ng	99
10) Phenol	6.604	94	680847m	59.015	ng	
11) bis(2-Chloroethyl)ether	6.704	93	518695	58.076	ng	99
12) 1,3-Dichlorobenzene	6.916	146	557813	57.965	ng	99
13) 1,4-Dichlorobenzene	6.987	146	556805	57.513	ng	99
14) 1,2-Dichlorobenzene	7.140	146	530965	57.510	ng	98
15) Benzyl Alcohol	7.104	79	477773	60.505	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.245	45	941009	57.157	ng	99
17) 2-Methylphenol	7.210	107	432787	58.876	ng	99
18) Hexachloroethane	7.487	117	191457	60.747	ng	99
19) n-Nitroso-di-n-propyla...	7.387	70	379882	58.184	ng	98
20) 3+4-Methylphenols	7.369	107	519658	57.645	ng	98
22) Acetophenone	7.375	105	679007	56.141	ng	# 92
24) Nitrobenzene	7.551	77	550668	63.778	ng	99
25) Isophorone	7.793	82	1033650	59.793	ng	100
26) 2-Nitrophenol	7.863	139	219665	62.382	ng	98
27) 2,4-Dimethylphenol	7.898	122	474411	59.127	ng	98
28) bis(2-Chloroethoxy)met...	7.992	93	608314	58.029	ng	100
29) 2,4-Dichlorophenol	8.104	162	408655	62.256	ng	99
30) 1,2,4-Trichlorobenzene	8.192	180	431427	57.913	ng	98
31) Naphthalene	8.275	128	1410509	56.612	ng	100
32) Benzoic acid	8.010	122	256755m	62.050	ng	
33) 4-Chloroaniline	8.316	127	574196	57.309	ng	99
34) Hexachlorobutadiene	8.398	225	265081	59.499	ng	99
35) Caprolactam	8.687	113	129583	63.219	ng	97
36) 4-Chloro-3-methylphenol	8.792	107	440907	60.299	ng	98
37) 2-Methylnaphthalene	8.963	142	846190	56.930	ng	100
38) 1-Methylnaphthalene	9.063	142	869460	56.399	ng	100
40) 1,2,4,5-Tetrachloroben...	9.134	216	414099	57.762	ng	99
41) Hexachlorocyclopentadiene	9.122	237	262731	66.101	ng	98
43) 2,4,6-Trichlorophenol	9.239	196	290245	65.157	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143099.D
 Acq On : 15 Jul 2025 16:05
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:41:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	277922	59.502	ng	99
46) 1,1'-Biphenyl	9.428	154	1103990	56.274	ng	100
47) 2-Chloronaphthalene	9.451	162	826528	57.350	ng	98
48) 2-Nitroaniline	9.539	65	267636	61.259	ng	98
49) Acenaphthylene	9.869	152	1378196	57.388	ng	100
50) Dimethylphthalate	9.728	163	899456	58.118	ng	100
51) 2,6-Dinitrotoluene	9.781	165	193185	62.287	ng	93
52) Acenaphthene	10.045	154	802583	56.633	ng	99
53) 3-Nitroaniline	9.951	138	230773	69.008	ng	96
54) 2,4-Dinitrophenol	10.051	184	66479	61.314	ng #	4
55) Dibenzofuran	10.216	168	1184002	56.052	ng	100
56) 4-Nitrophenol	10.098	139	174657	65.716	ng	96
57) 2,4-Dinitrotoluene	10.186	165	235488	60.695	ng	99
58) Fluorene	10.557	166	875218	55.265	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.328	232	238428	64.235	ng	98
60) Diethylphthalate	10.428	149	876047	58.672	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	432659	57.000	ng	99
62) 4-Nitroaniline	10.563	138	194271	66.802	ng	97
63) Azobenzene	10.704	77	946204	57.300	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	96305	62.285	ng	98
66) n-Nitrosodiphenylamine	10.663	169	781087	58.469	ng	100
67) 4-Bromophenyl-phenylether	11.039	248	260491	60.229	ng	96
68) Hexachlorobenzene	11.110	284	273112	59.515	ng	95
69) Atrazine	11.186	200	211351	61.838	ng	99
70) Pentachlorophenol	11.292	266	165676	65.805	ng	99
71) Phenanthrene	11.516	178	1165047	56.762	ng	99
72) Anthracene	11.569	178	1188635	57.589	ng	100
73) Carbazole	11.716	167	1057291	57.179	ng	100
74) Di-n-butylphthalate	12.051	149	1074246	63.291	ng	100
75) Fluoranthene	12.704	202	1069898	57.328	ng	100
77) Benzidine	12.816	184	380587	54.244	ng	100
78) Pyrene	12.933	202	1060216	55.485	ng	99
80) Butylbenzylphthalate	13.551	149	243805	62.406	ng	98
81) Benzo(a)anthracene	14.122	228	819246	59.697	ng	99
82) 3,3'-Dichlorobenzidine	14.080	252	254086	63.758	ng	99
83) Chrysene	14.157	228	758916	60.044	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	364902	61.957	ng	100
85) Di-n-octyl phthalate	14.727	149	688940	60.817	ng	98
87) Indeno(1,2,3-cd)pyrene	17.192	276	1185702	61.286	ng	99
88) Benzo(b)fluoranthene	15.192	252	924866	61.640	ng	100
89) Benzo(k)fluoranthene	15.227	252	827274	57.794	ng	99
90) Benzo(a)pyrene	15.574	252	876856	61.791	ng	100
91) Dibenzo(a,h)anthracene	17.210	278	953666	60.300	ng	99
92) Benzo(g,h,i)perylene	17.657	276	982960	60.962	ng	99

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

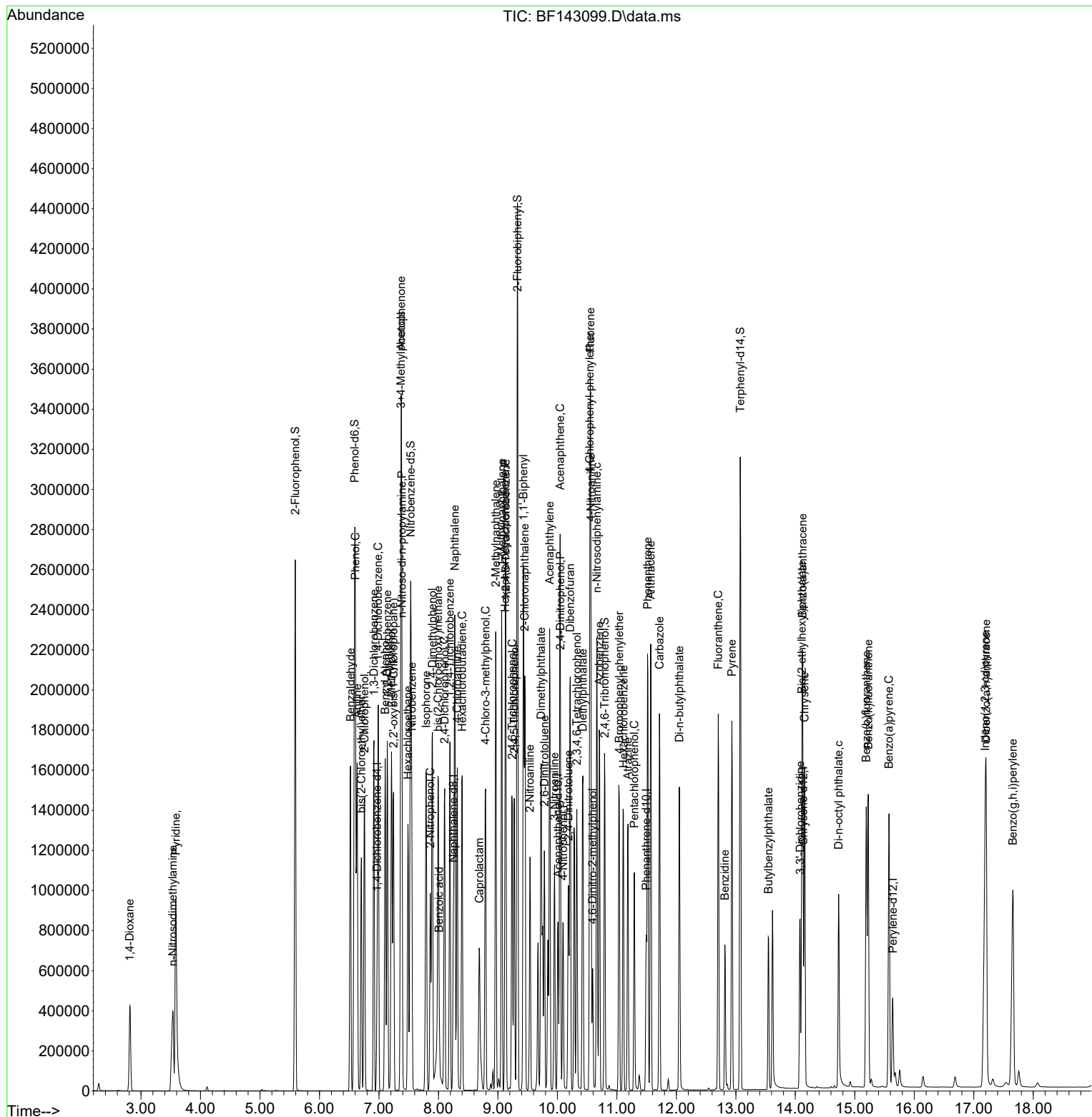
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

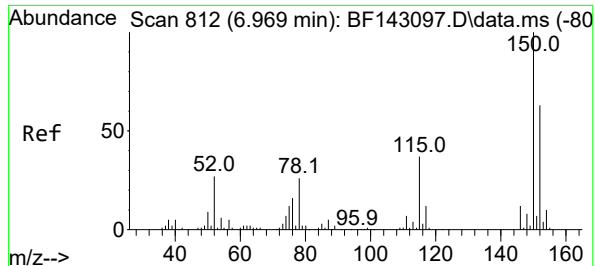
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jaagrut Upadhyay 07/16/2025

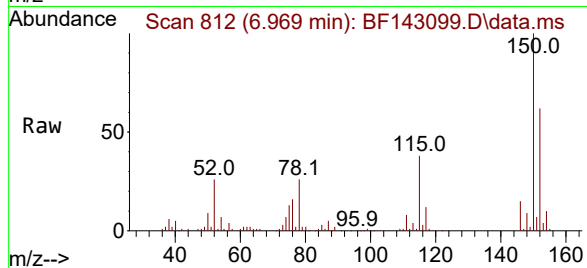
Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

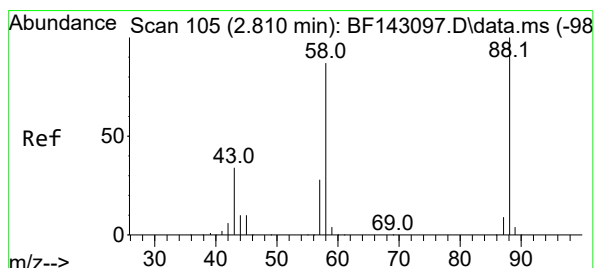
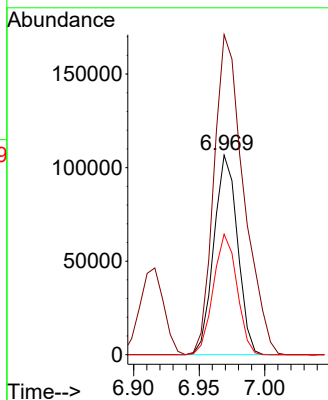
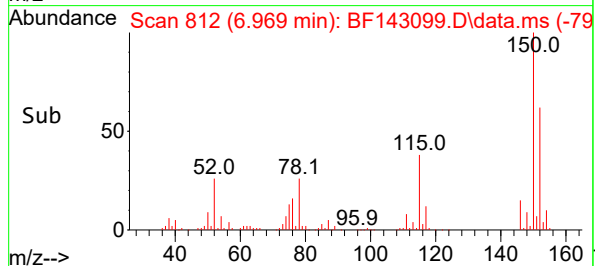
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:152 Resp: 133949
Ion Ratio Lower Upper
152 100
150 160.4 126.5 189.7
115 60.4 47.0 70.6

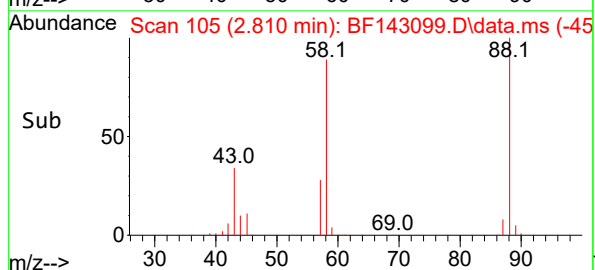
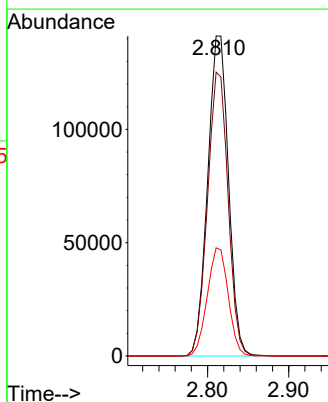
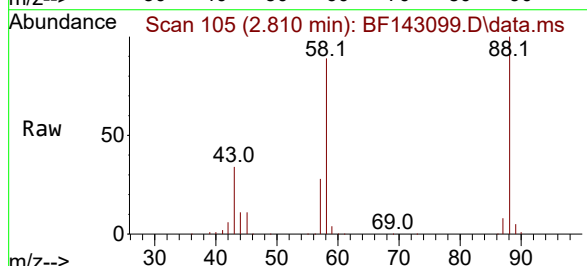
Manual Integrations
APPROVED

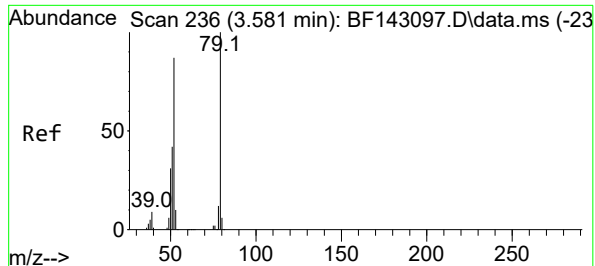
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#2
1,4-Dioxane
Concen: 59.625 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 88 Resp: 251636
Ion Ratio Lower Upper
88 100
58 87.7 70.5 105.7
43 34.0 27.3 40.9





#3

Pyridine

Concen: 60.624 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143099.D

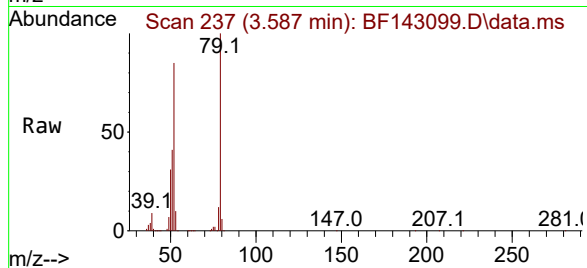
Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



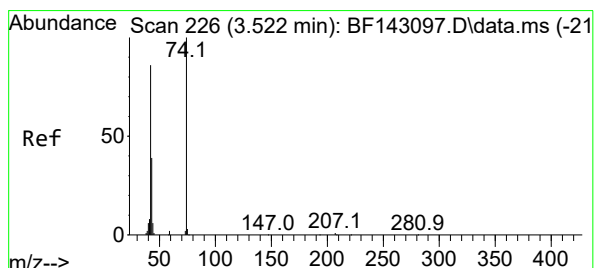
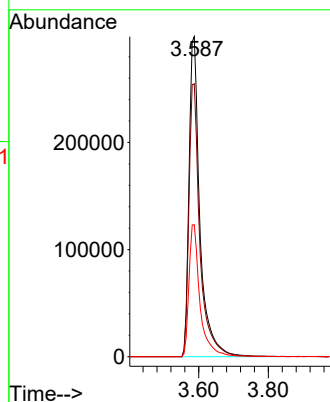
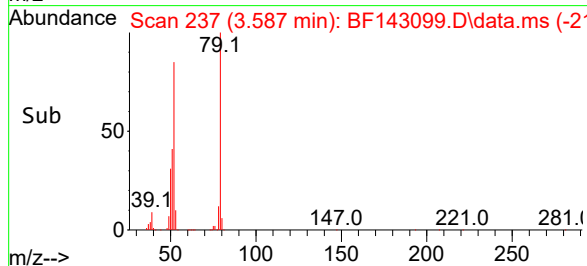
Tgt Ion:	79	Resp:	64787
Ion Ratio	Lower	Upper	
79	100		
52	85.3	69.2	103.8
51	41.3	33.3	49.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#4

n-Nitrosodimethylamine

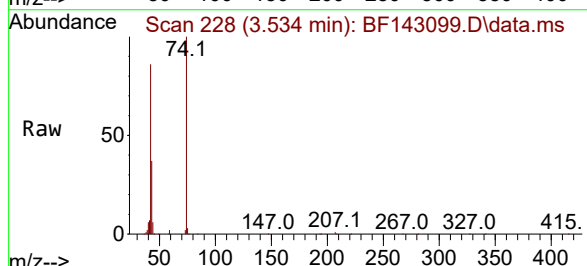
Concen: 60.943 ng

RT: 3.534 min Scan# 228

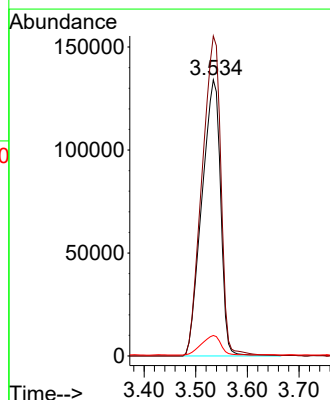
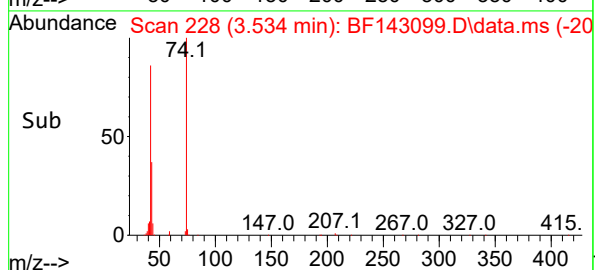
Delta R.T. 0.012 min

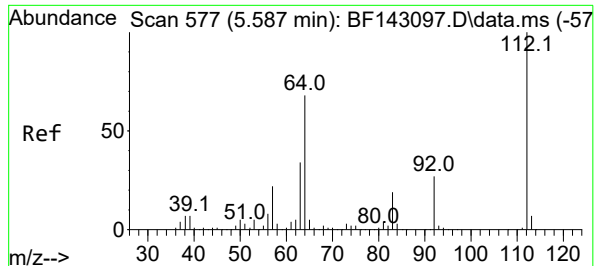
Lab File: BF143099.D

Acq: 15 Jul 2025 16:05



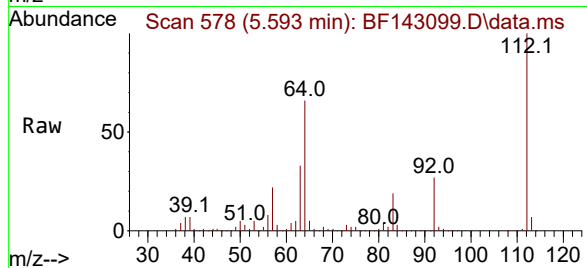
Tgt Ion:	42	Resp:	337438
Ion Ratio	Lower	Upper	
42	100		
74	115.8	92.8	139.2
44	7.4	5.8	8.6





#5
2-Fluorophenol
Concen: 116.776 ng
RT: 5.593 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

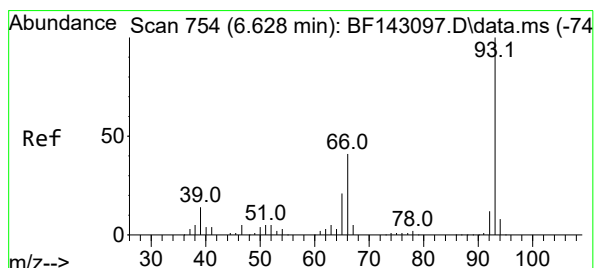
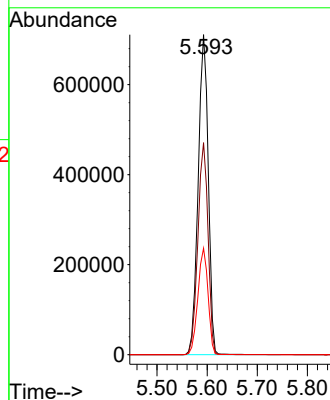
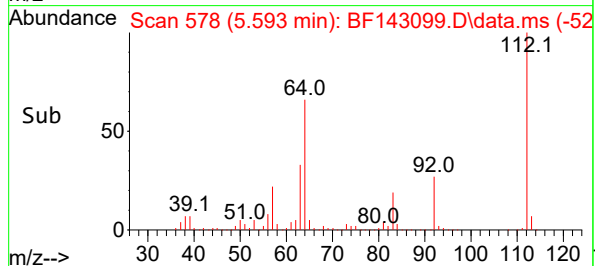
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:112 Resp: 990040
Ion Ratio Lower Upper
112 100
64 66.2 54.6 82.0
63 33.2 27.3 40.9

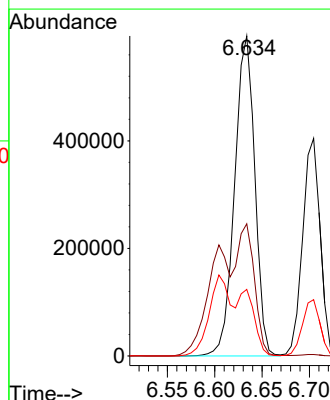
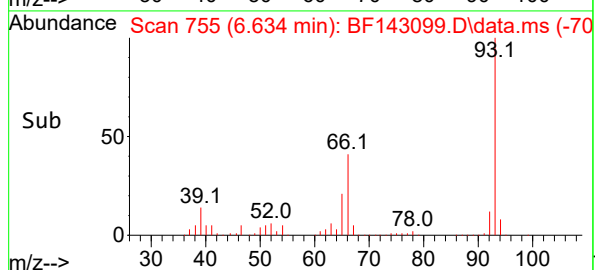
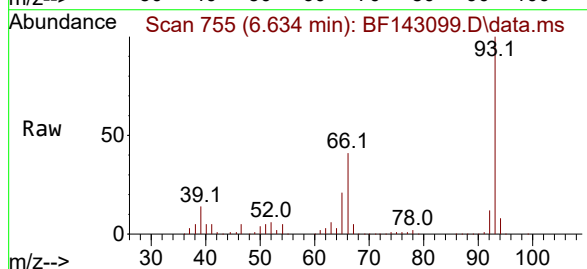
Manual Integrations
APPROVED

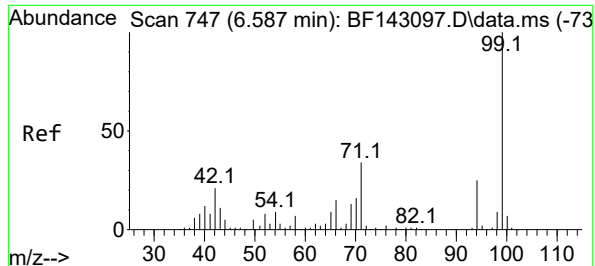
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#6
Aniline
Concen: 58.815 ng
RT: 6.634 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 93 Resp: 882633
Ion Ratio Lower Upper
93 100
66 41.3 33.1 49.7
65 20.8 16.9 25.3





#7

Phenol-d6

Concen: 116.695 ng

RT: 6.593 min Scan# 747

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 124361

Ion Ratio Lower Upper

99 100

42 21.2 17.2 25.8

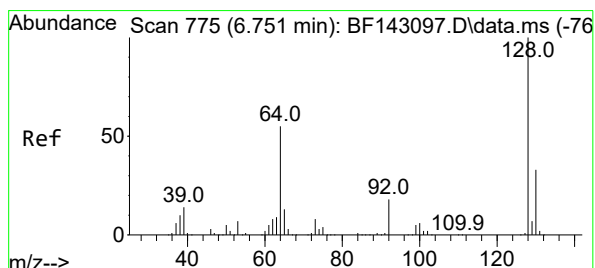
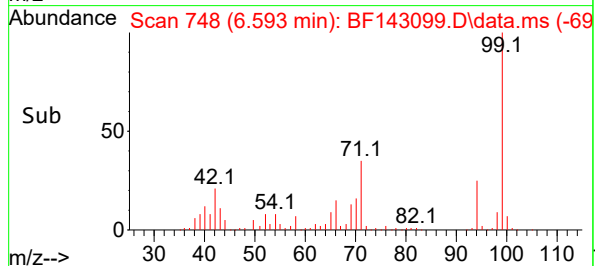
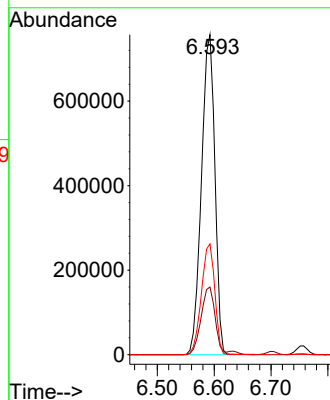
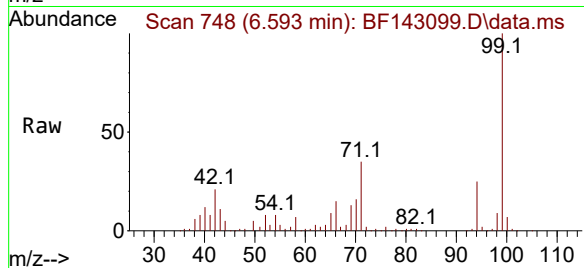
71 34.7 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#8

2-Chlorophenol

Concen: 60.690 ng

RT: 6.757 min Scan# 776

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

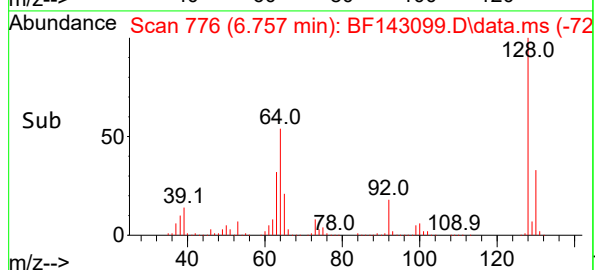
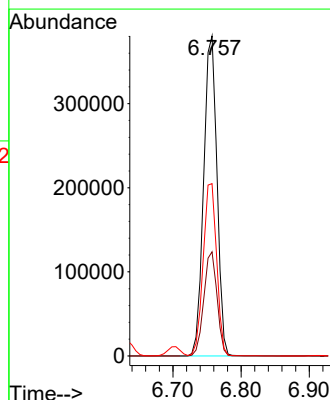
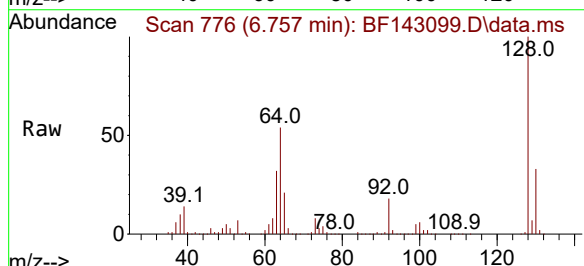
Tgt Ion:128 Resp: 516965

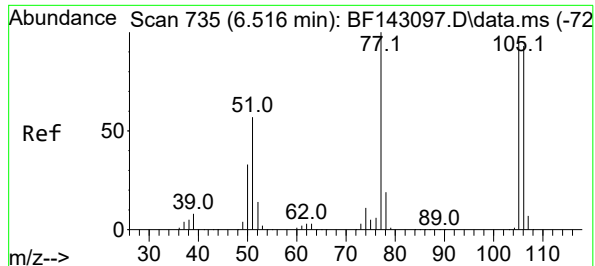
Ion Ratio Lower Upper

128 100

130 32.5 12.8 52.8

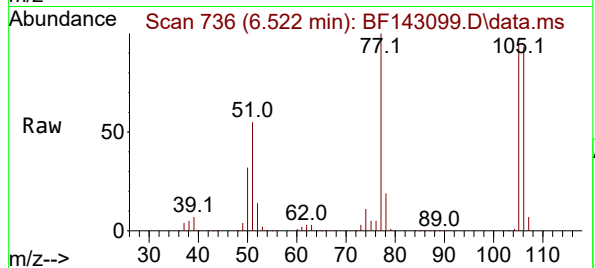
64 53.9 36.1 76.1





#9
Benzaldehyde
Concen: 57.571 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

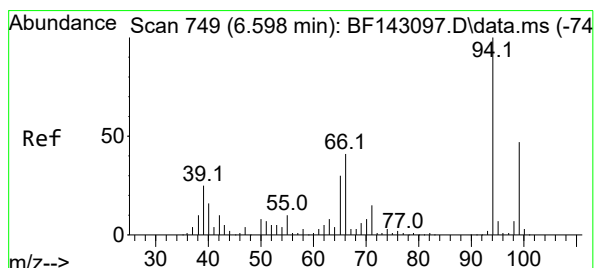
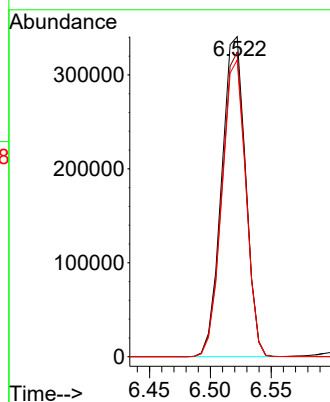
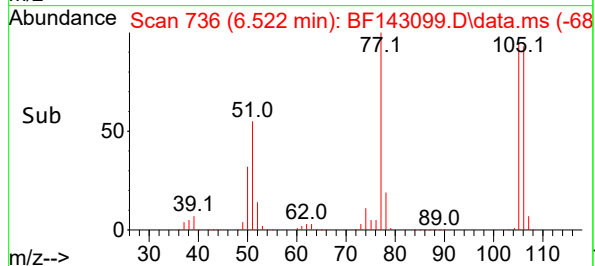
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 467499
Ion Ratio Lower Upper
77 100
105 95.1 76.3 116.3
106 92.7 72.8 112.8

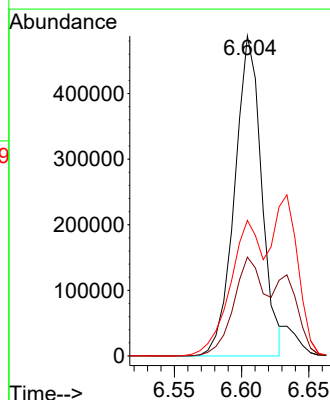
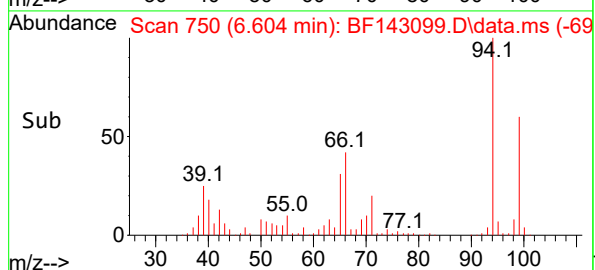
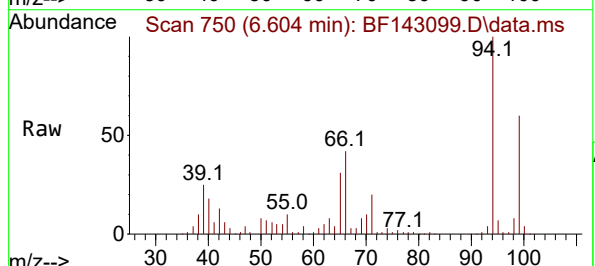
Manual Integrations
APPROVED

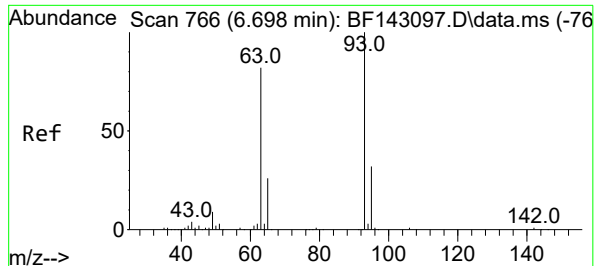
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#10
Phenol
Concen: 59.015 ng m
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 94 Resp: 680847
Ion Ratio Lower Upper
94 100
65 30.9 9.8 49.8
66 42.4 20.5 60.5





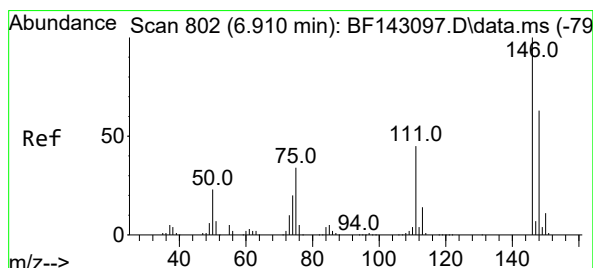
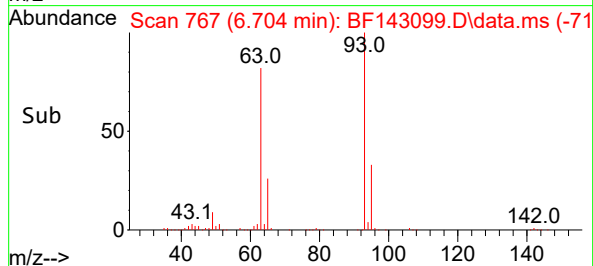
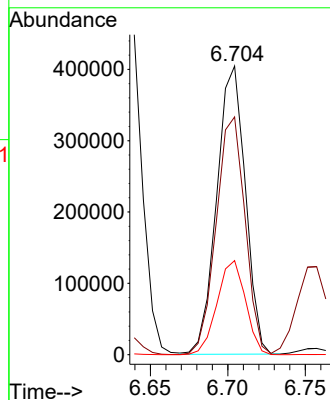
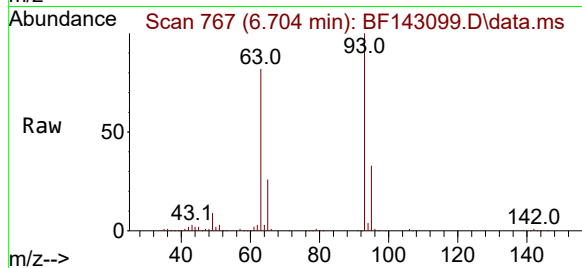
#11
bis(2-Chloroethyl)ether
Concen: 58.076 ng
RT: 6.704 min Scan# 701
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 51869
Ion Ratio Lower Upper
93 100
63 82.4 61.9 101.9
95 32.6 12.2 52.2

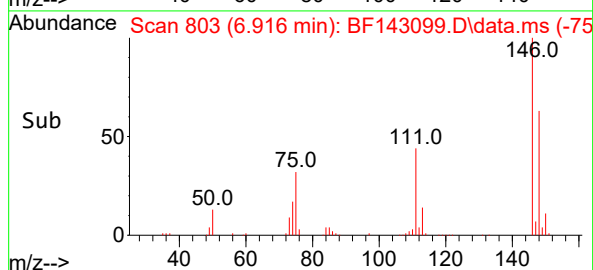
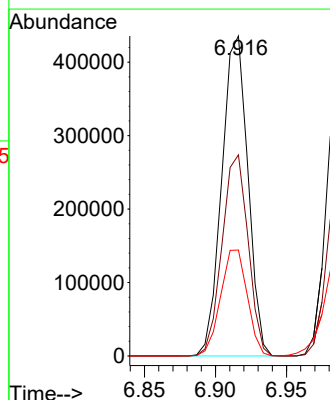
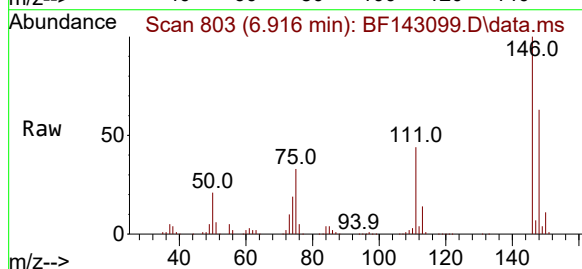
Manual Integrations
APPROVED

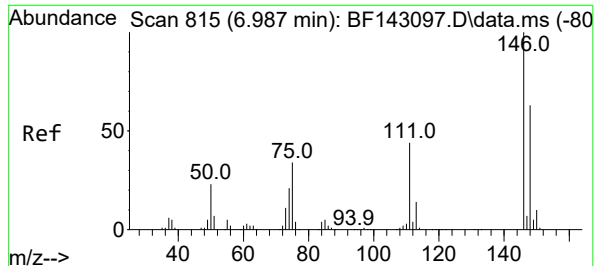
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#12
1,3-Dichlorobenzene
Concen: 57.965 ng
RT: 6.916 min Scan# 803
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:146 Resp: 557813
Ion Ratio Lower Upper
146 100
148 62.8 50.1 75.1
75 33.1 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 57.513 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 55680

Ion Ratio Lower Upper

146 100

148 62.8 50.6 76.0

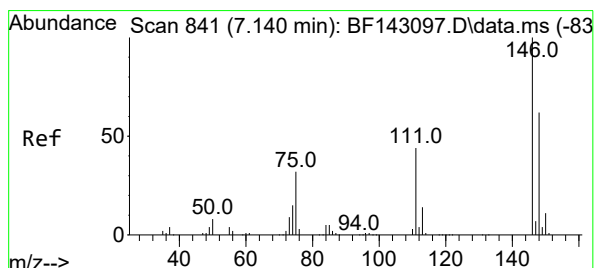
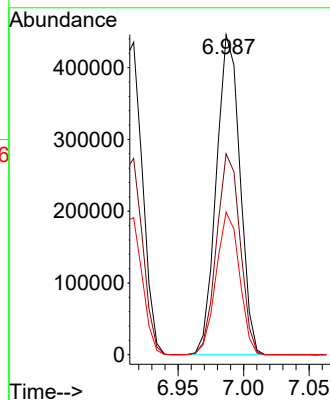
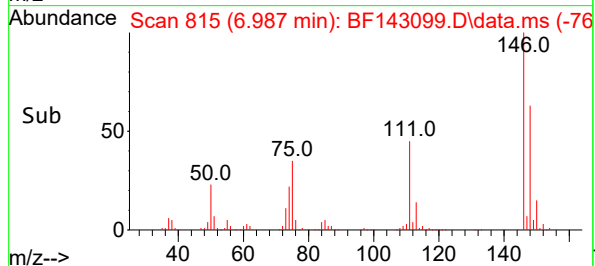
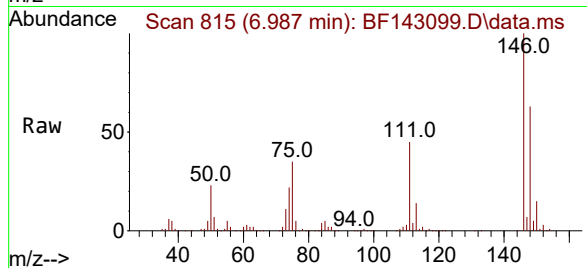
111 44.6 35.0 52.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#14

1,2-Dichlorobenzene

Concen: 57.510 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

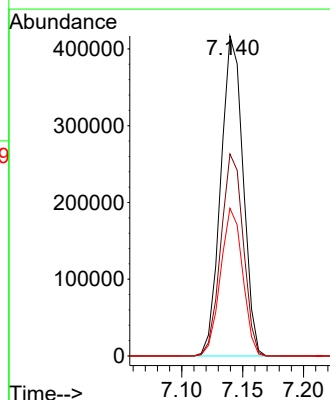
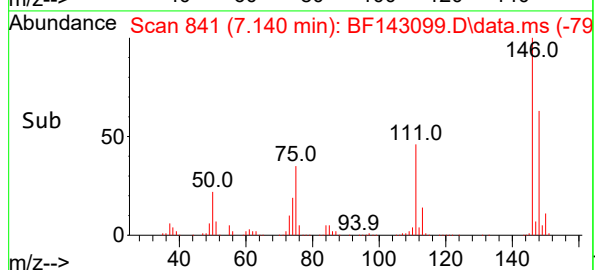
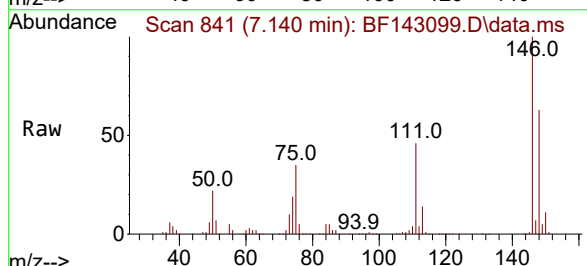
Tgt Ion:146 Resp: 530965

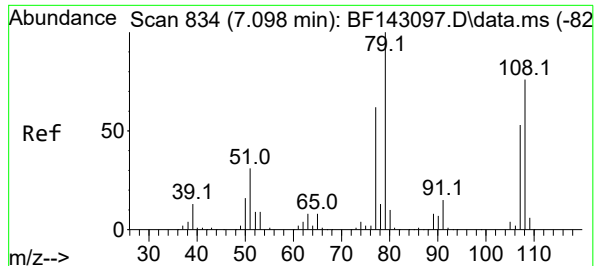
Ion Ratio Lower Upper

146 100

148 63.1 49.8 74.6

111 46.1 35.4 53.0





#15

Benzyl Alcohol

Concen: 60.505 ng

RT: 7.104 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 47777

Ion Ratio Lower Upper

79 100

108 75.3 61.1 91.7

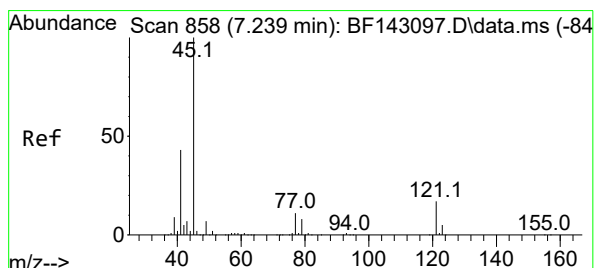
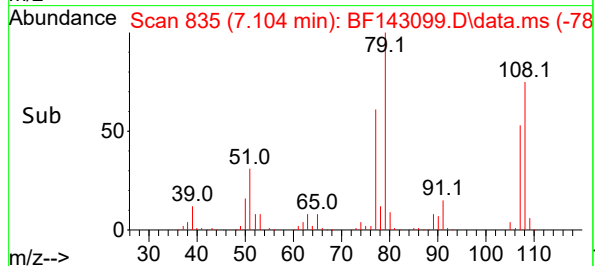
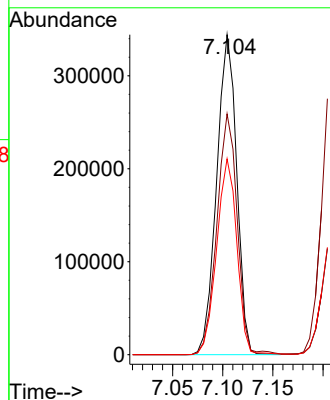
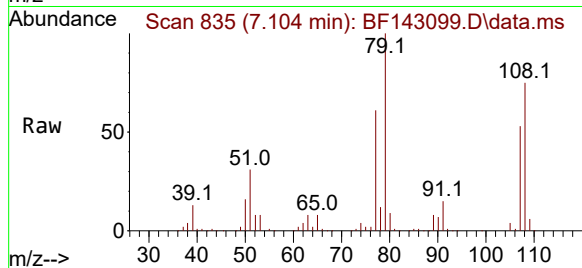
77 61.2 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 57.157 ng

RT: 7.245 min Scan# 859

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

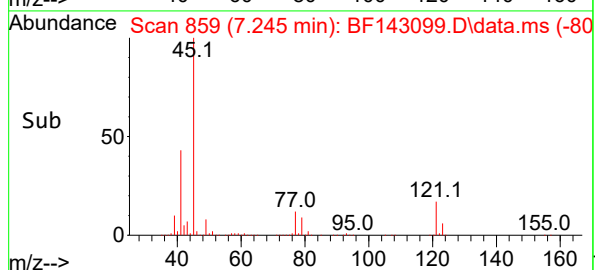
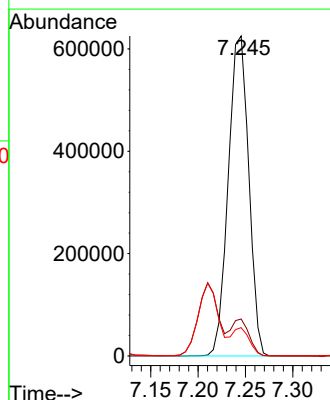
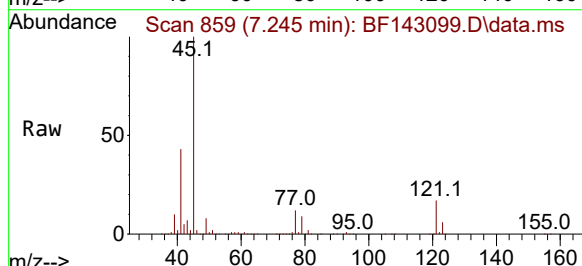
Tgt Ion: 45 Resp: 941009

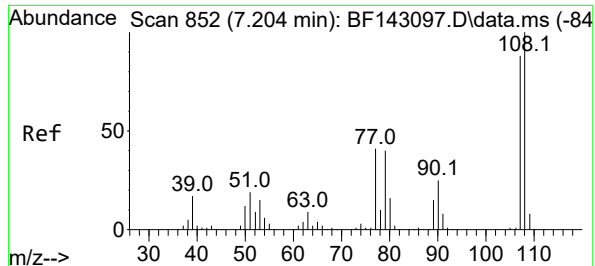
Ion Ratio Lower Upper

45 100

77 11.5 0.0 31.1

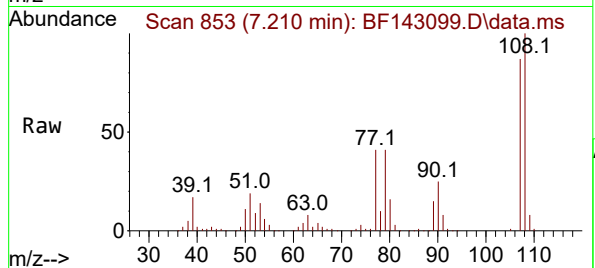
79 8.9 0.0 28.4





#17
2-Methylphenol
Concen: 58.876 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

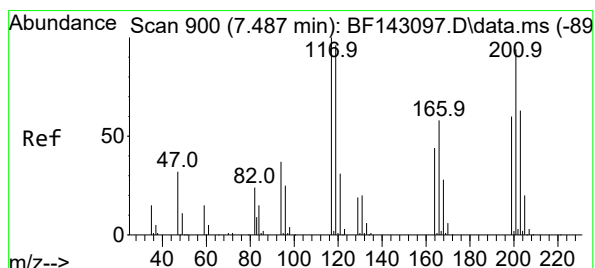
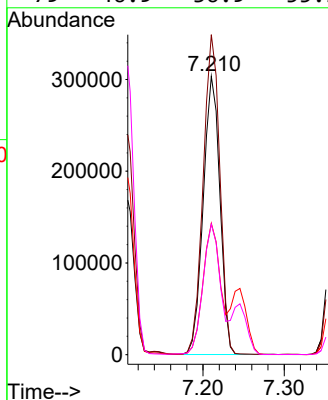
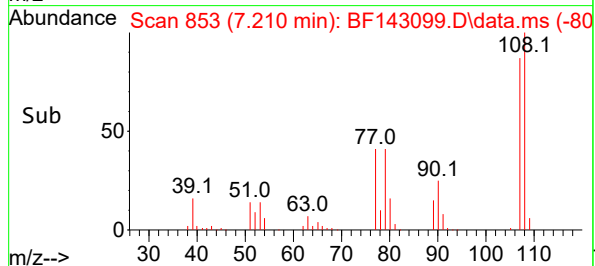
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:107 Resp: 43278
Ion Ratio Lower Upper
107 100
108 114.9 90.9 136.3
77 47.2 37.5 56.3
79 46.9 36.9 55.3

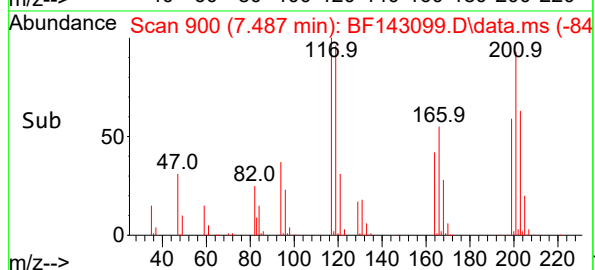
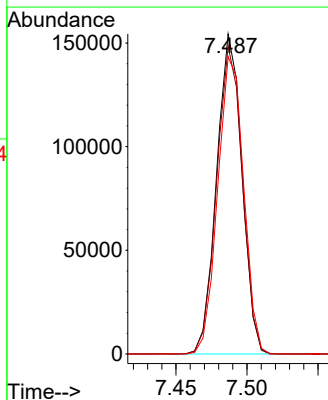
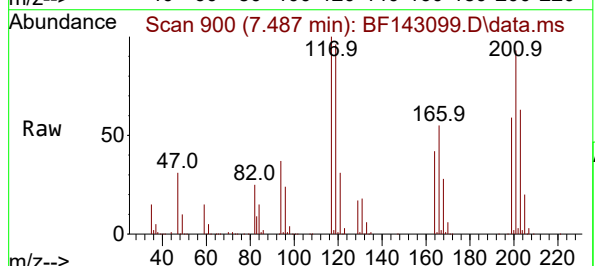
Manual Integrations
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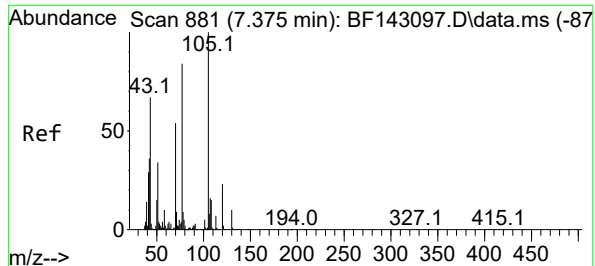
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#18
Hexachloroethane
Concen: 60.747 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:117 Resp: 191457
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1
201 92.9 75.0 112.4





#19

n-Nitroso-di-n-propylamine

Concen: 58.184 ng

RT: 7.387 min Scan# 881

Delta R.T. 0.012 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 37988

Ion Ratio Lower Upper

70 100

42 64.6 53.2 79.8

101 9.9 7.5 11.3

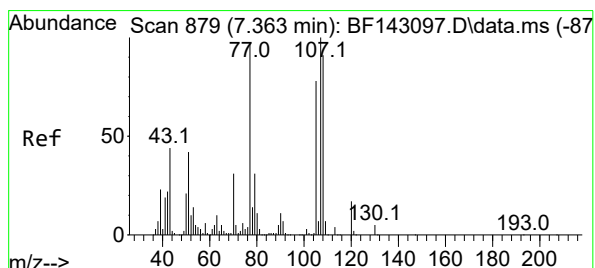
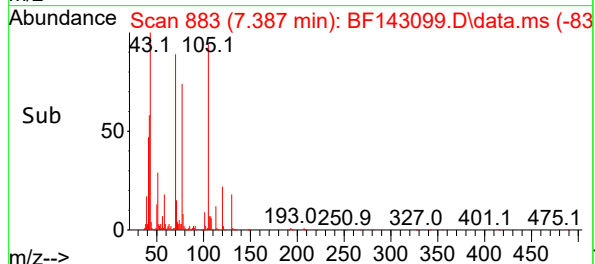
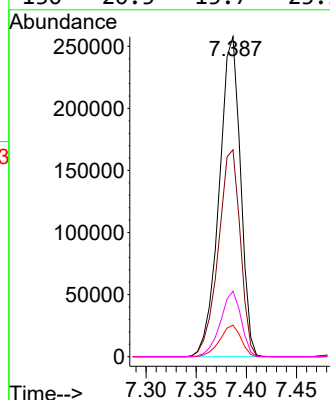
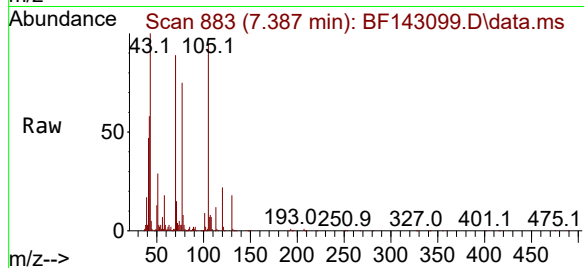
130 20.5 15.7 23.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#20

3+4-Methylphenols

Concen: 57.645 ng

RT: 7.369 min Scan# 880

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Tgt Ion:107 Resp: 519658

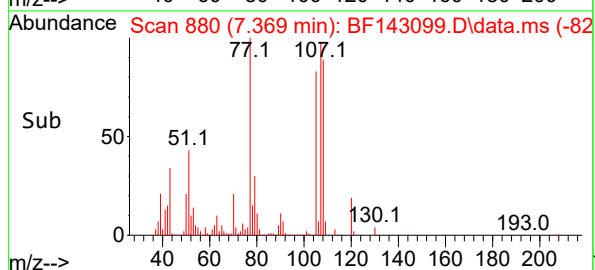
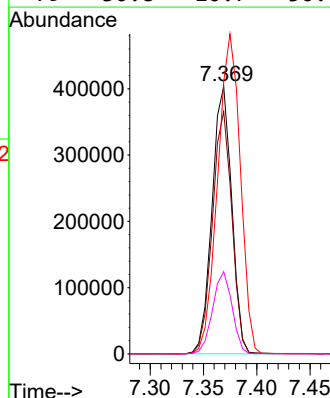
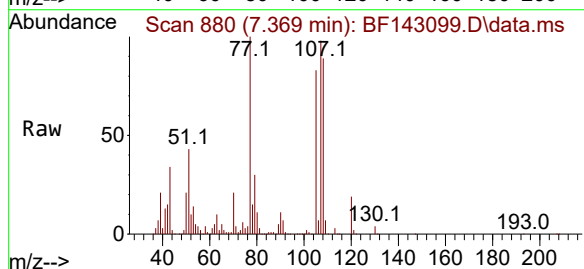
Ion Ratio Lower Upper

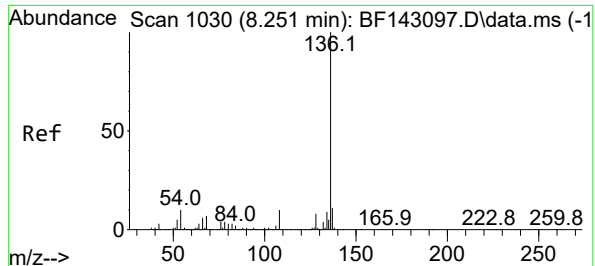
107 100

108 90.6 71.3 111.3

77 101.8 77.2 117.2

79 30.8 10.7 50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.251 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:136 Resp: 50173

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.4 8.3 12.5

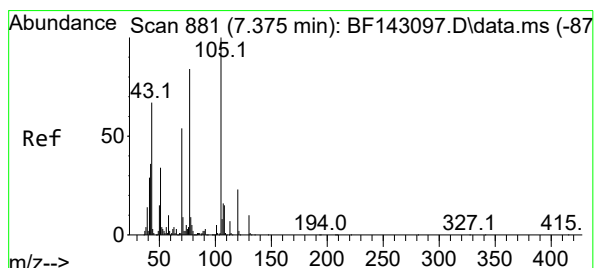
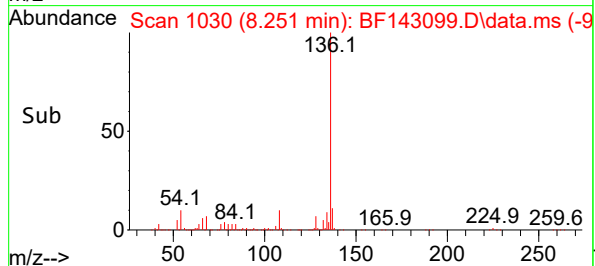
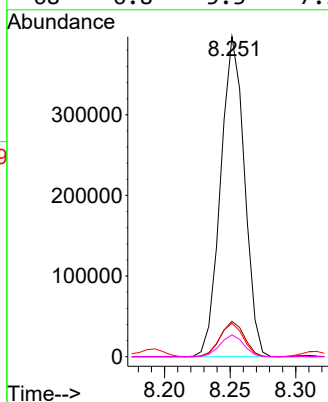
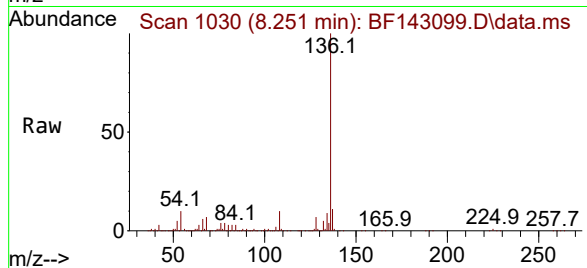
68 6.8 5.3 7.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#22

Acetophenone

Concen: 56.141 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Tgt Ion:105 Resp: 679007

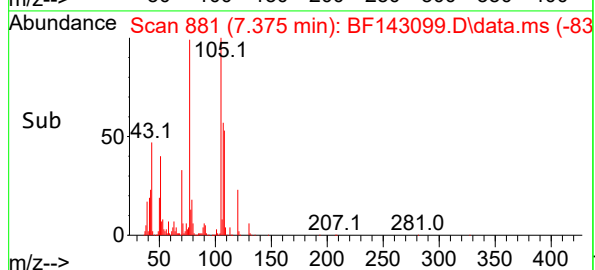
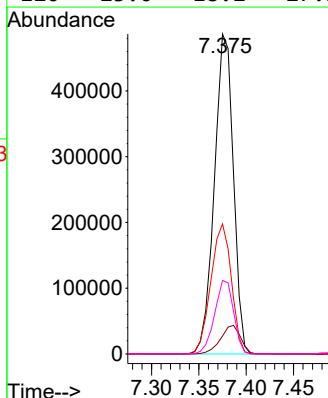
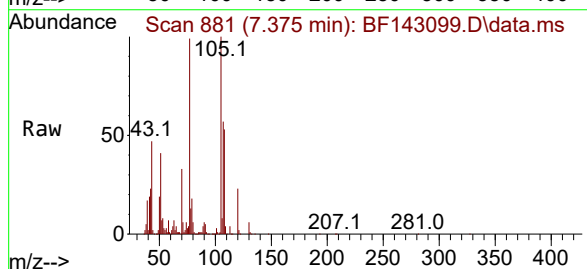
Ion Ratio Lower Upper

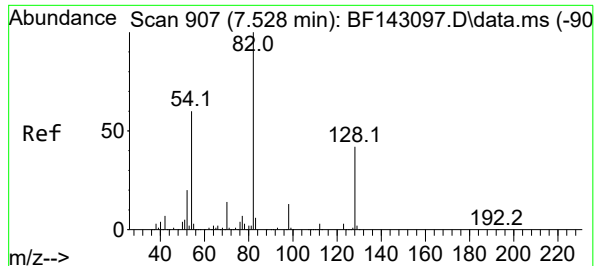
105 100

71 5.6 7.2 10.8#

51 40.7 27.0 40.4#

120 23.0 18.2 27.2





#23

Nitrobenzene-d5

Concen: 131.129 ng

RT: 7.534 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 1172838

Ion Ratio Lower Upper

82 100

128 42.2 33.3 49.9

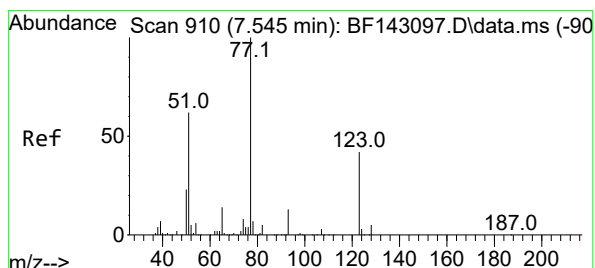
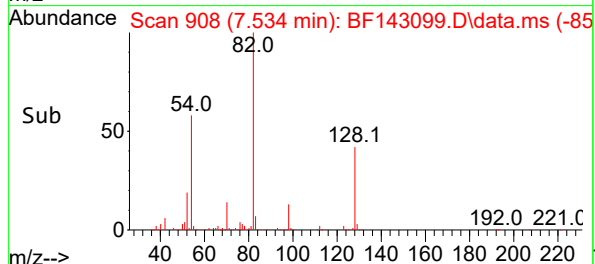
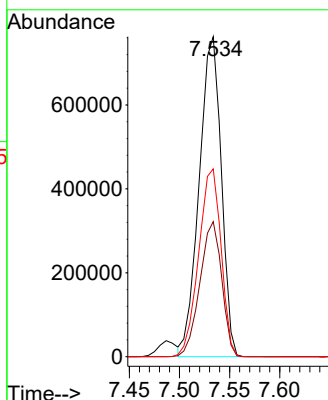
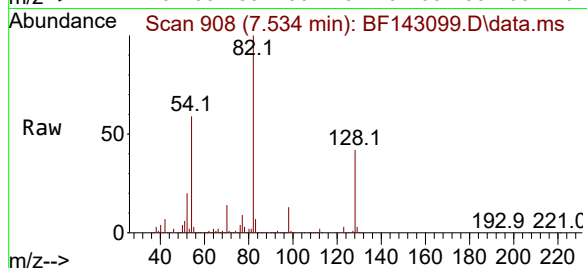
54 58.7 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#24

Nitrobenzene

Concen: 63.778 ng

RT: 7.551 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

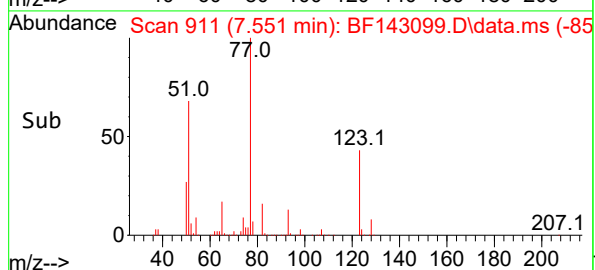
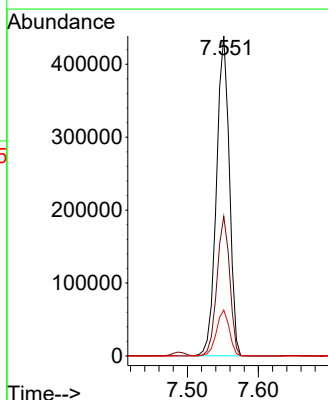
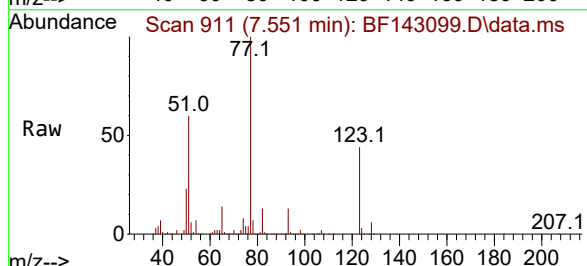
Tgt Ion: 77 Resp: 550668

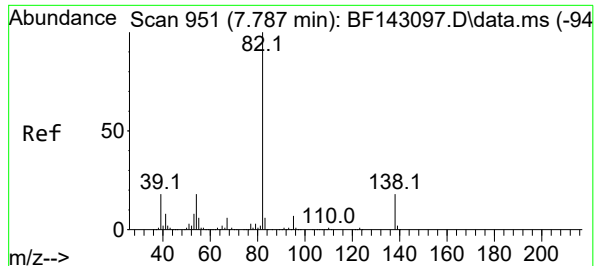
Ion Ratio Lower Upper

77 100

123 43.6 34.5 51.7

65 14.3 11.3 16.9





#25
Isophorone
Concen: 59.793 ng
RT: 7.793 min Scan# 951
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

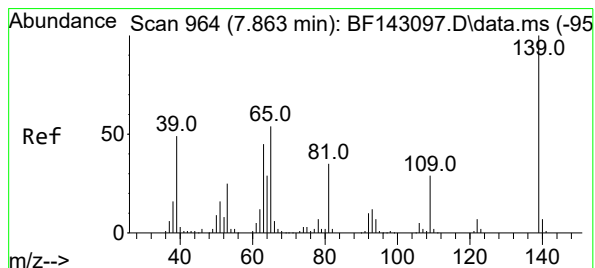
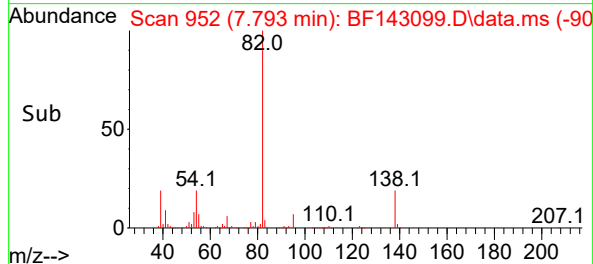
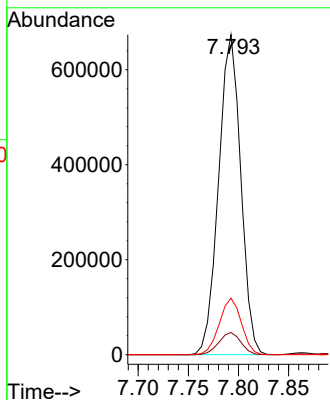
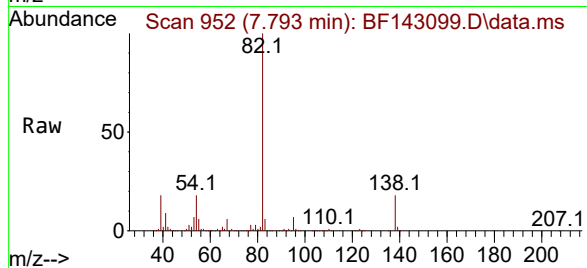
SSTDICC060

Tgt Ion: 82 Resp: 1033650
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 17.6 14.3 21.5

Manual Integrations

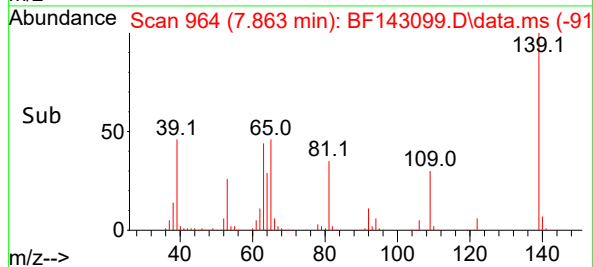
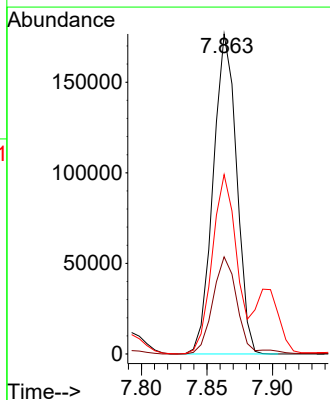
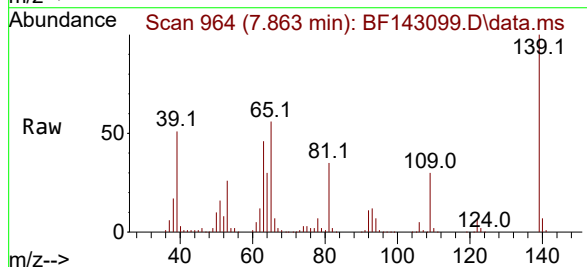
APPROVED

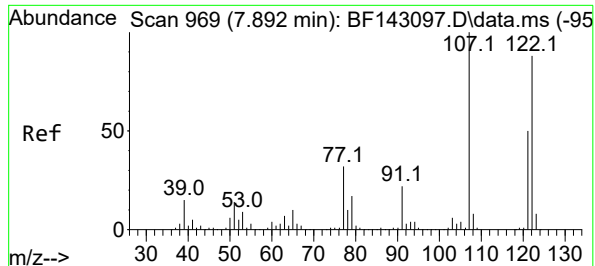
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#26
2-Nitrophenol
Concen: 62.382 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:139 Resp: 219665
Ion Ratio Lower Upper
139 100
109 30.4 23.4 35.0
65 56.1 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 59.127 ng

RT: 7.898 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:122 Resp: 47441

Ion Ratio Lower Upper

122 100

107 116.4 91.3 136.9

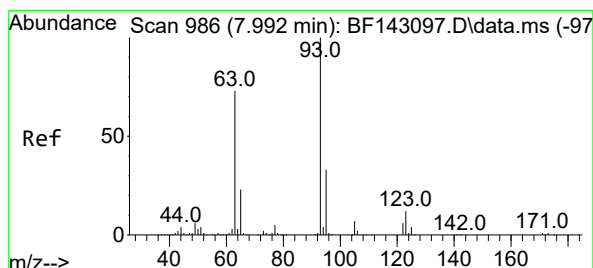
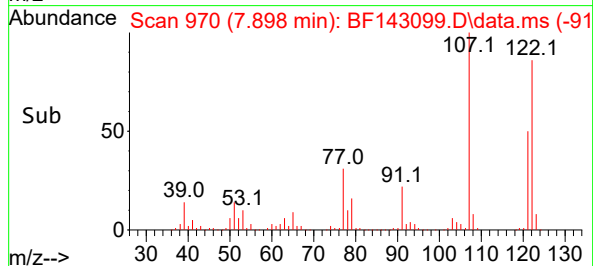
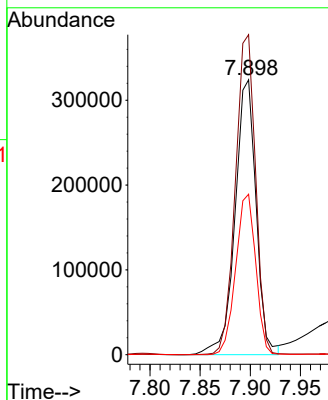
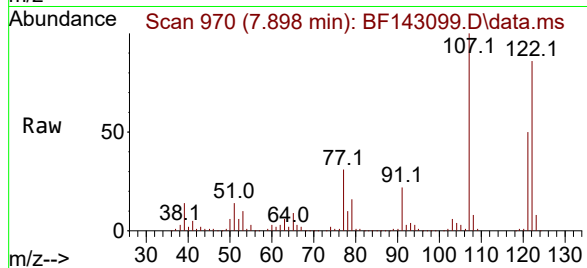
121 58.4 45.5 68.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#28

bis(2-Chloroethoxy)methane

Concen: 58.029 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

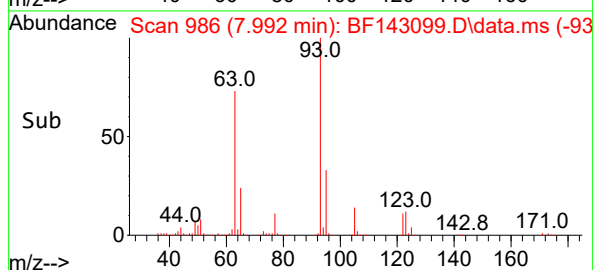
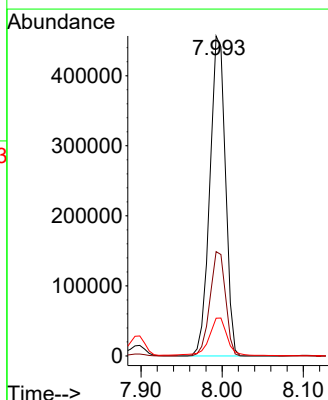
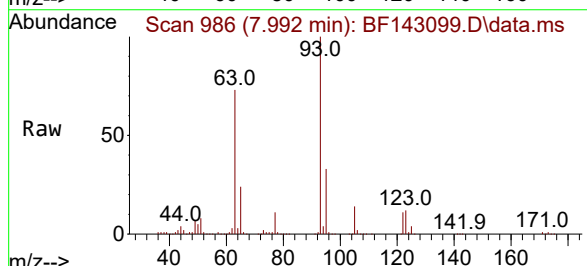
Tgt Ion: 93 Resp: 608314

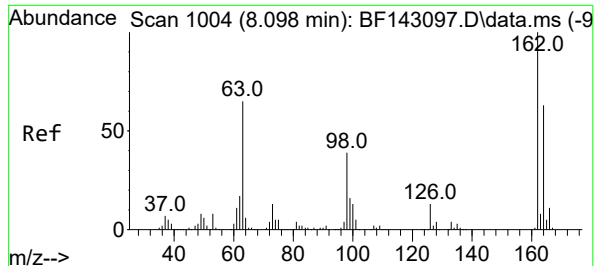
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

123 11.8 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 62.256 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 40865

Ion Ratio Lower Upper

162 100

164 63.4 43.1 83.1

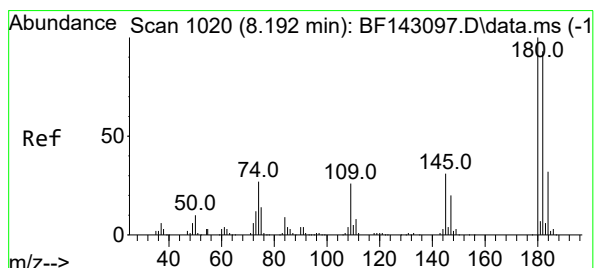
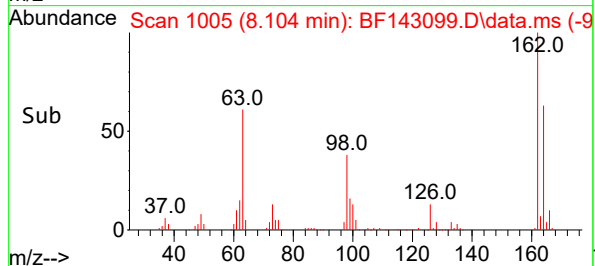
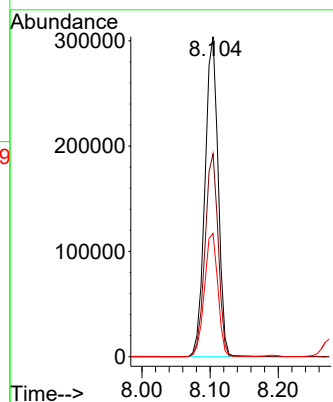
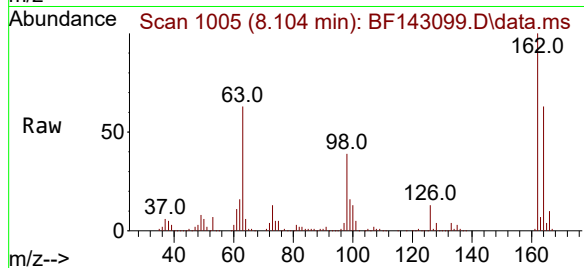
98 38.5 19.2 59.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#30

1,2,4-Trichlorobenzene

Concen: 57.913 ng

RT: 8.192 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

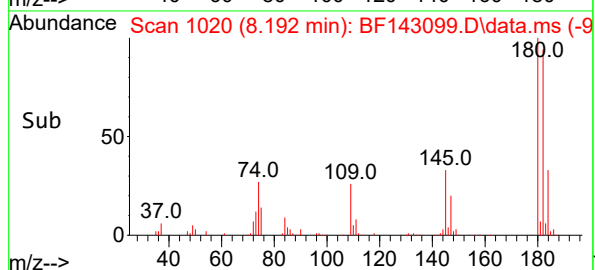
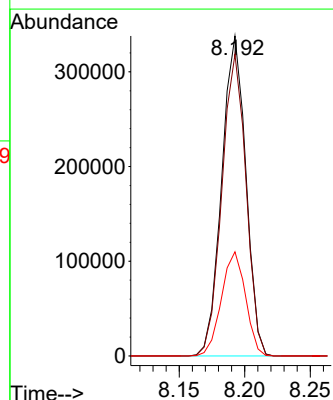
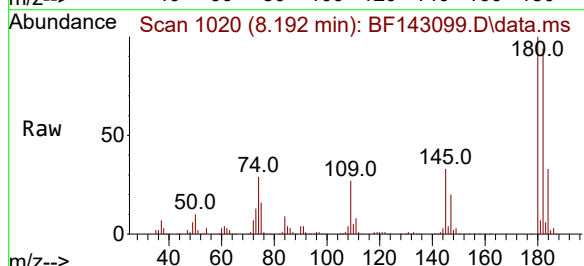
Tgt Ion:180 Resp: 431427

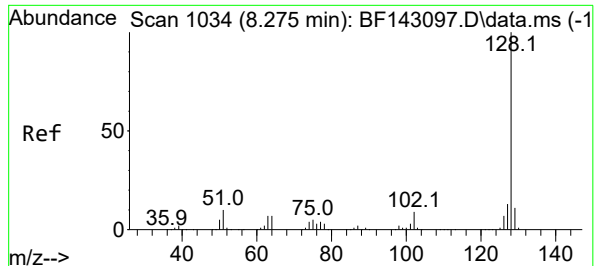
Ion Ratio Lower Upper

180 100

182 94.3 74.7 112.1

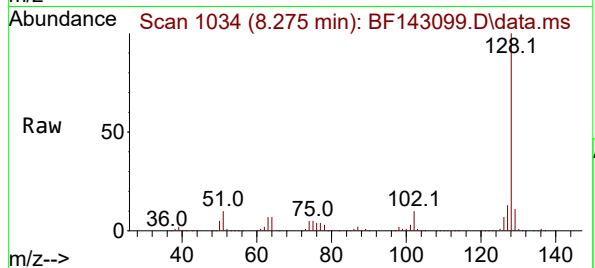
145 32.6 24.5 36.7





#31
Naphthalene
Concen: 56.612 ng
RT: 8.275 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

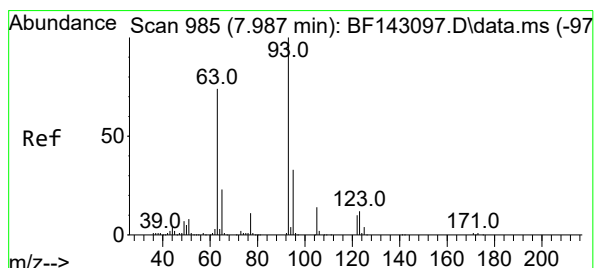
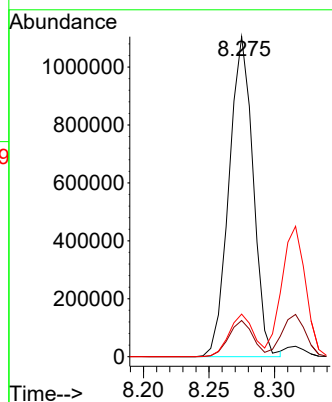
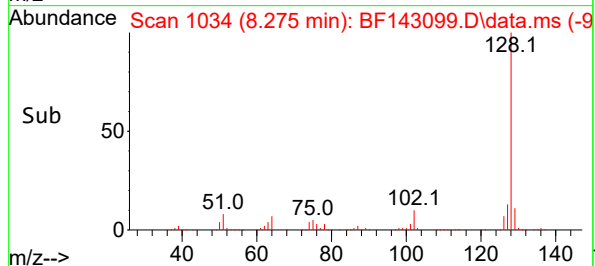
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:128 Resp: 1410509
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.3 10.5 15.7

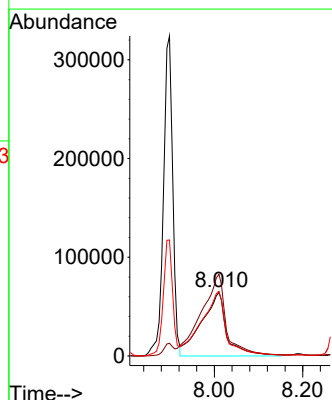
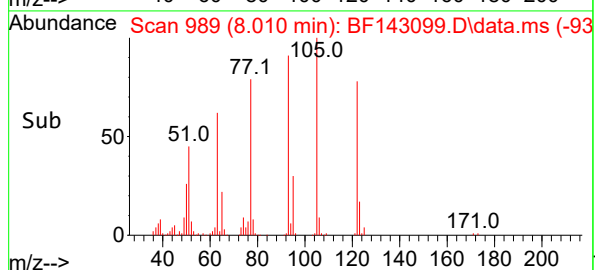
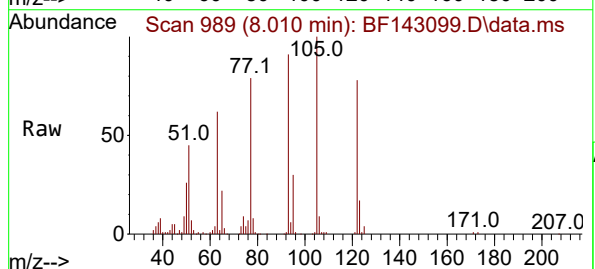
Manual Integrations
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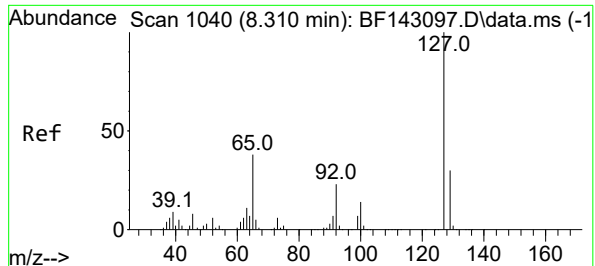
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#32
Benzoic acid
Concen: 62.050 ng m
RT: 8.010 min Scan# 989
Delta R.T. 0.023 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:122 Resp: 256755
Ion Ratio Lower Upper
122 100
105 128.8 105.4 145.4
77 101.6 78.6 118.6





#33

4-Chloroaniline

Concen: 57.309 ng

RT: 8.316 min Scan# 1040

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 574190

Ion Ratio Lower Upper

127 100

129 32.4 26.2 39.4

65 35.1 28.6 42.8

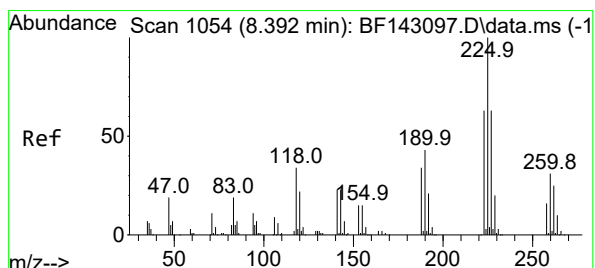
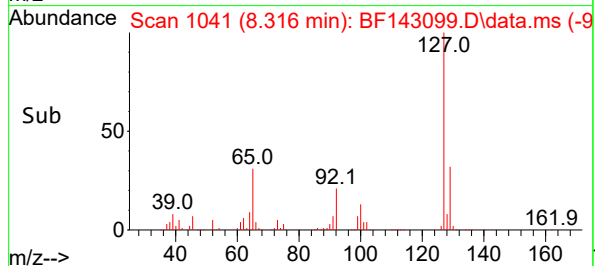
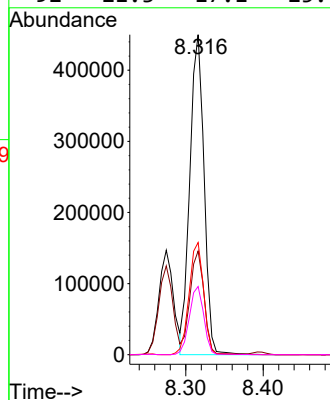
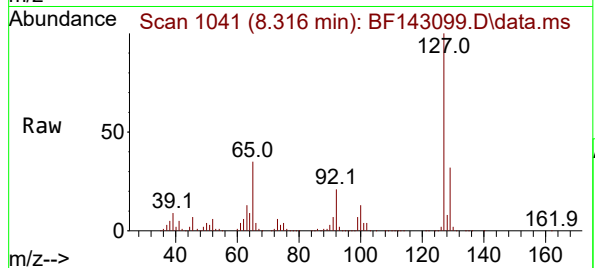
92 21.3 17.1 25.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#34

Hexachlorobutadiene

Concen: 59.499 ng

RT: 8.398 min Scan# 1055

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

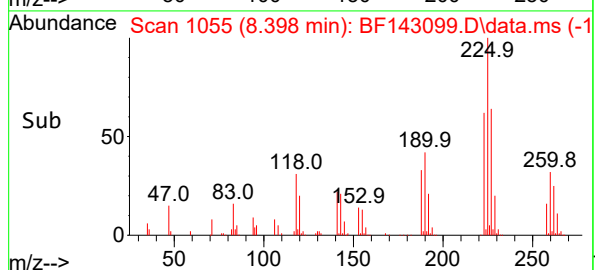
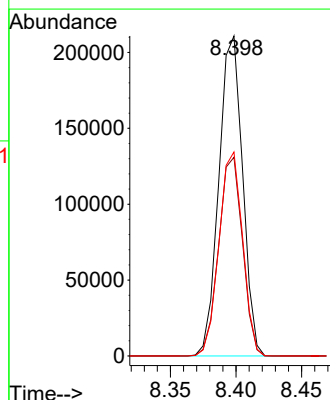
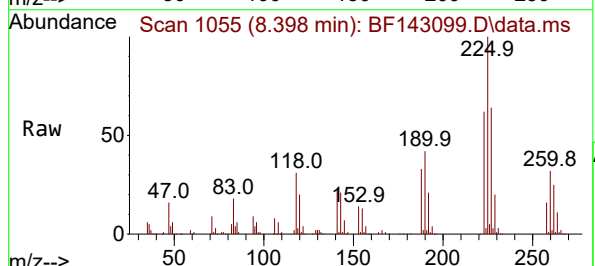
Tgt Ion:225 Resp: 265081

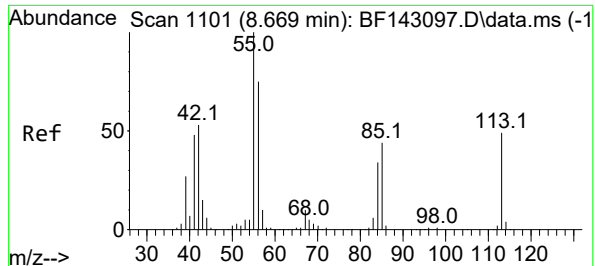
Ion Ratio Lower Upper

225 100

223 62.1 50.3 75.5

227 63.7 50.1 75.1





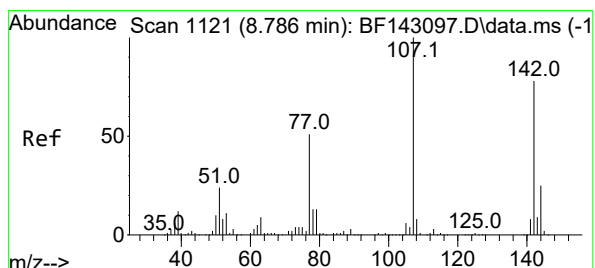
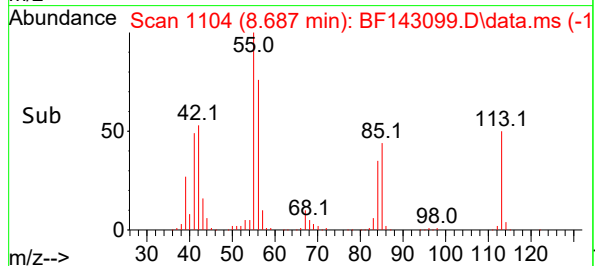
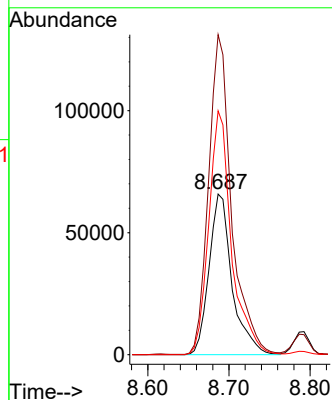
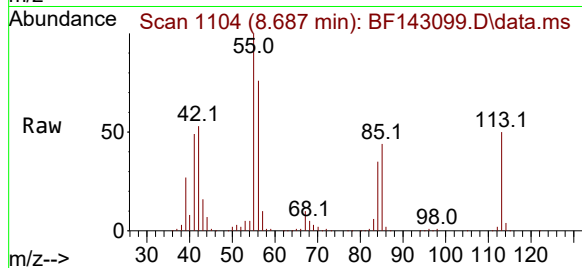
#35
Caprolactam
Concen: 63.219 ng
RT: 8.687 min Scan# 1104
Delta R.T. 0.018 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 12958
Ion Ratio Lower Upper
113 100
55 199.1 186.2 226.2
56 151.7 134.1 174.1

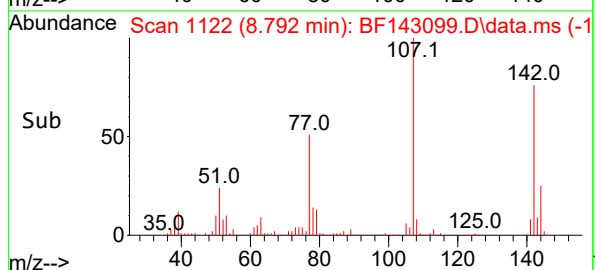
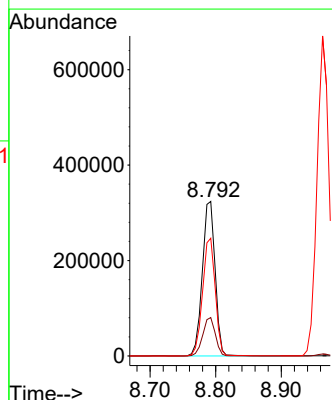
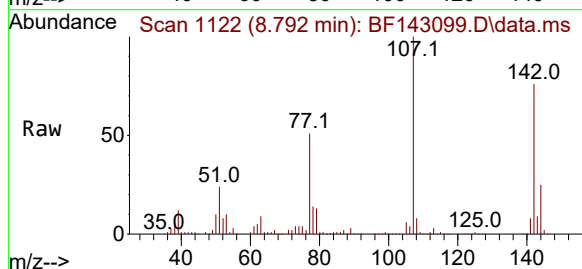
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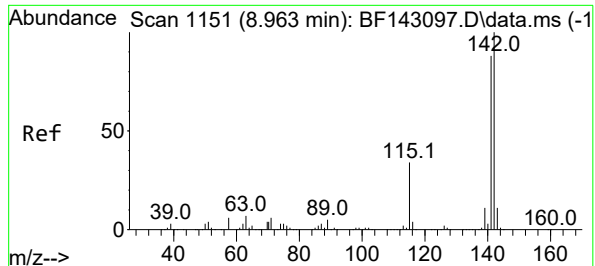
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#36
4-Chloro-3-methylphenol
Concen: 60.299 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

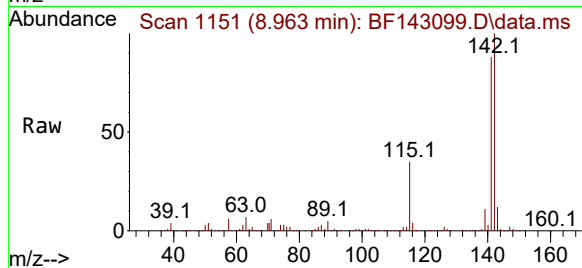
Tgt Ion:107 Resp: 440907
Ion Ratio Lower Upper
107 100
144 24.9 20.2 30.2
142 76.3 62.4 93.6





#37
2-Methylnaphthalene
Concen: 56.930 ng
RT: 8.963 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

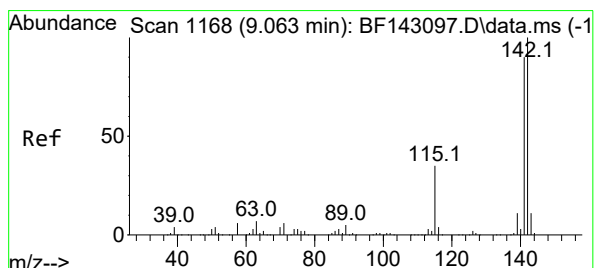
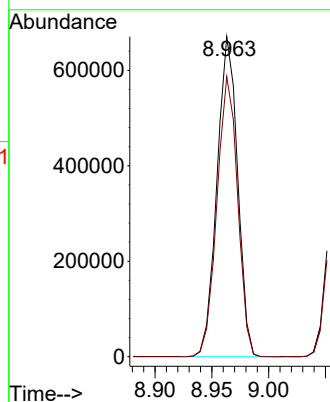
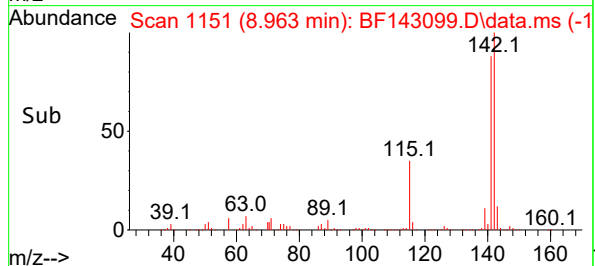
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:142 Resp: 846190
Ion Ratio Lower Upper
142 100
141 87.5 70.2 105.2

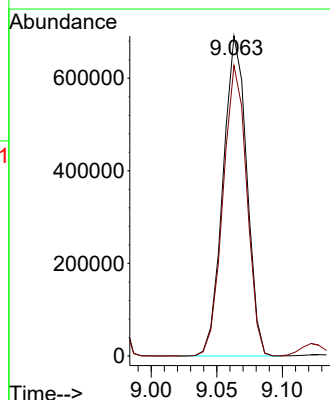
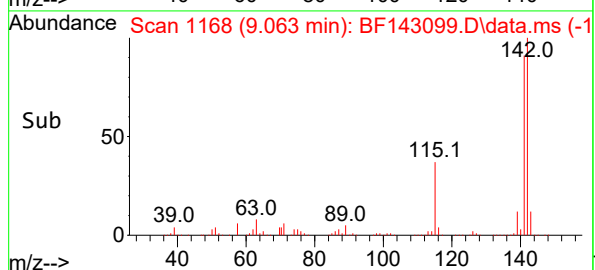
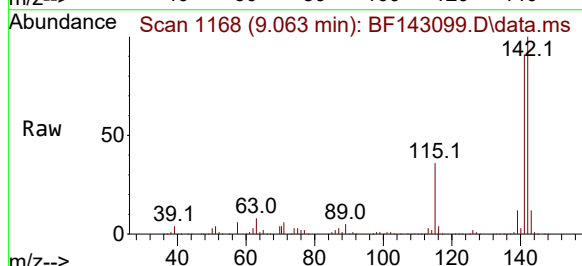
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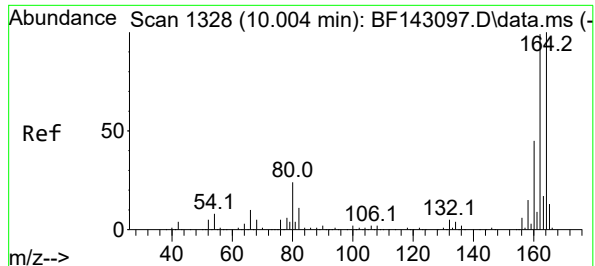
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#38
1-Methylnaphthalene
Concen: 56.399 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:142 Resp: 869460
Ion Ratio Lower Upper
142 100
141 90.7 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:164 Resp: 246002

Ion Ratio Lower Upper

164 100

162 98.6 79.0 118.6

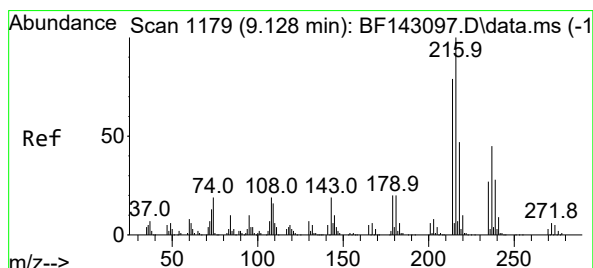
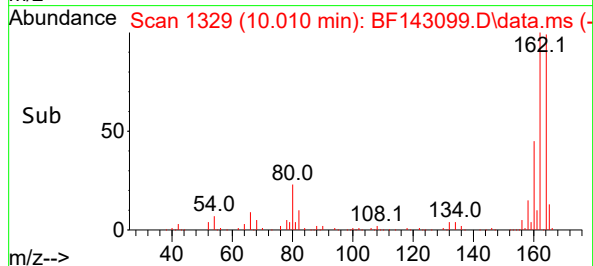
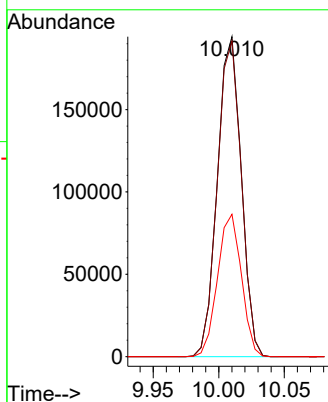
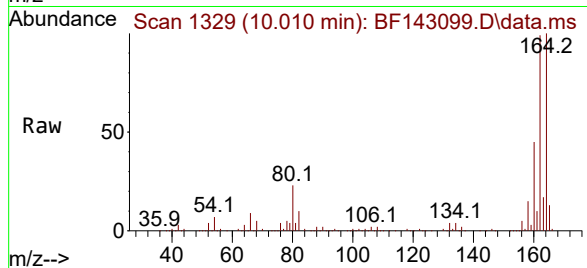
160 44.5 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.762 ng

RT: 9.134 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Tgt Ion:216 Resp: 414099

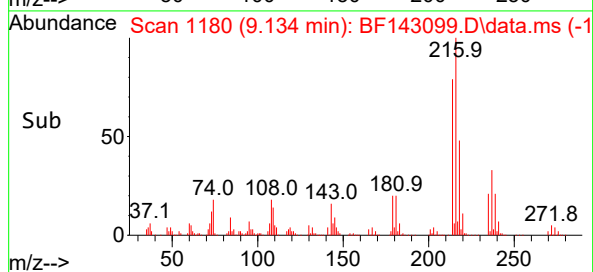
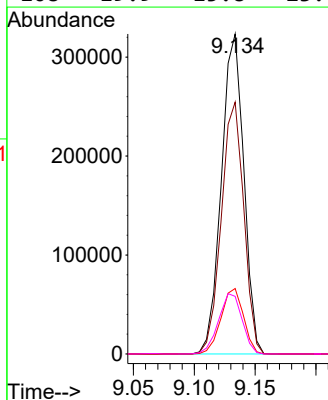
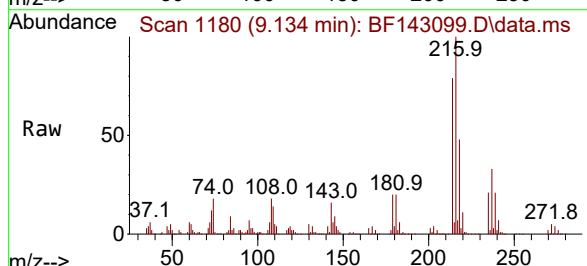
Ion Ratio Lower Upper

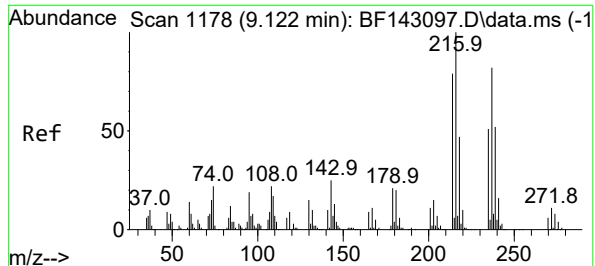
216 100

214 78.8 62.6 94.0

179 20.6 16.2 24.2

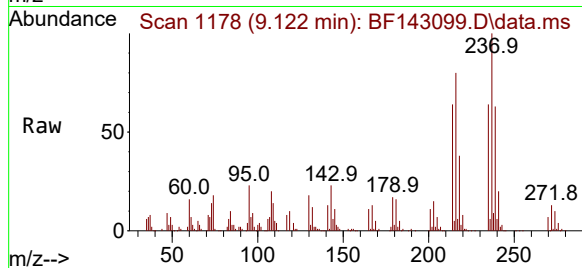
108 19.9 15.8 23.6





#41
Hexachlorocyclopentadiene
Concen: 66.101 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

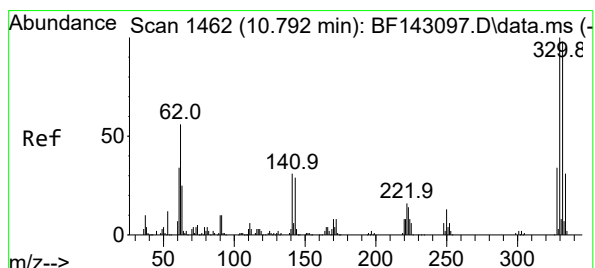
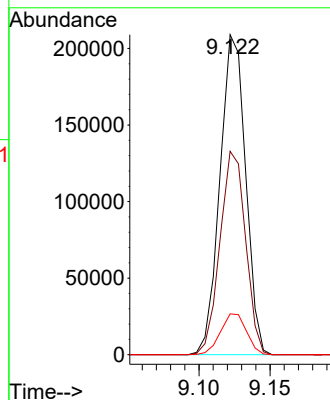
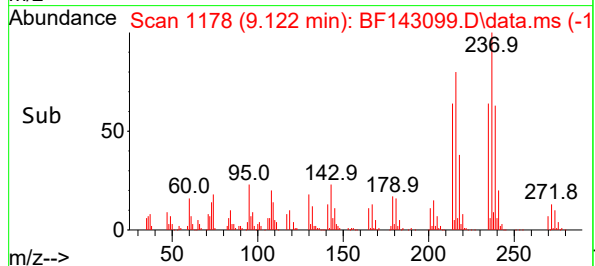
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:237 Resp: 26273
Ion Ratio Lower Upper
237 100
235 63.5 41.6 81.6
272 12.8 0.0 32.9

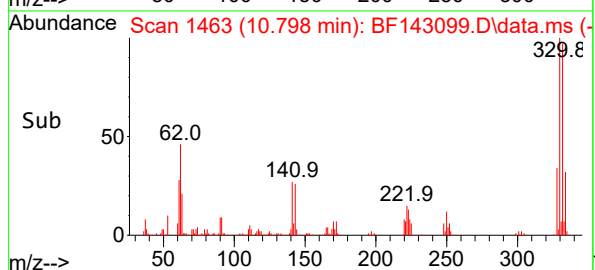
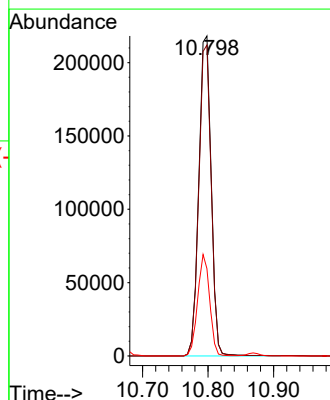
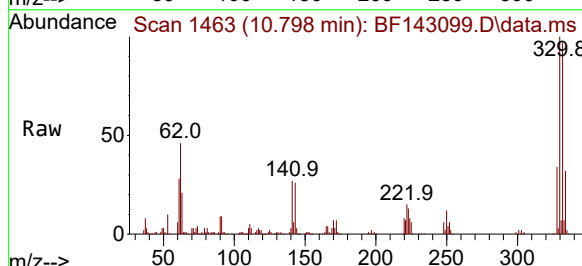
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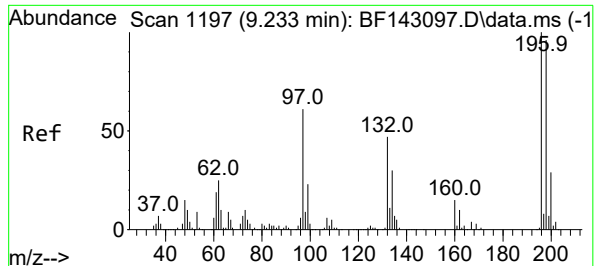
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#42
2,4,6-Tribromophenol
Concen: 130.765 ng
RT: 10.798 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:330 Resp: 286830
Ion Ratio Lower Upper
330 100
332 97.0 77.9 116.9
141 30.8 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 65.157 ng

RT: 9.239 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF143099.D

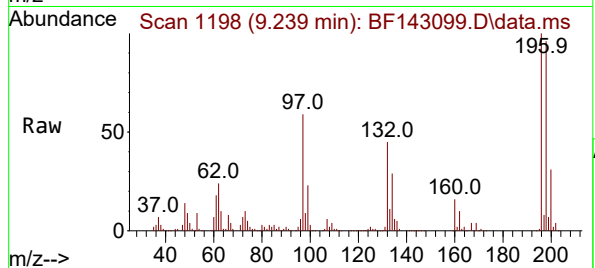
Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 290249

Ion Ratio Lower Upper

196 100

198 95.5 76.9 115.3

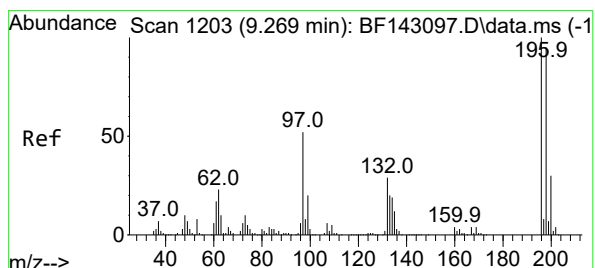
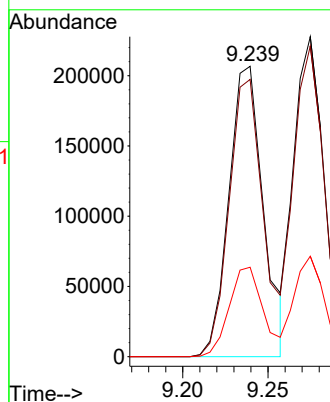
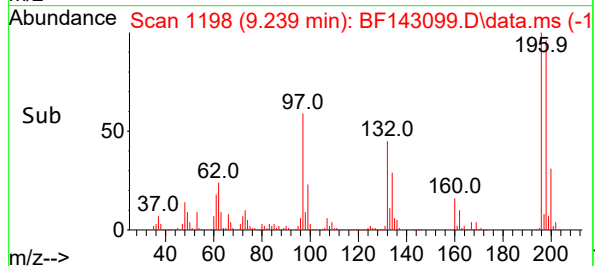
200 30.8 23.5 35.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#44

2,4,5-Trichlorophenol

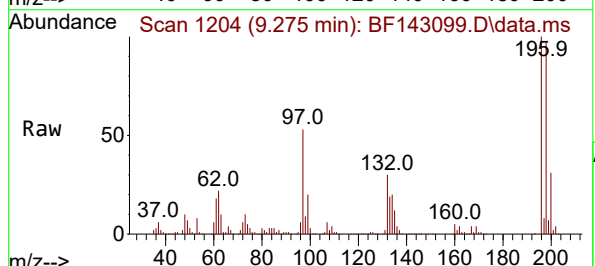
Concen: 59.502 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05



Tgt Ion:196 Resp: 277922

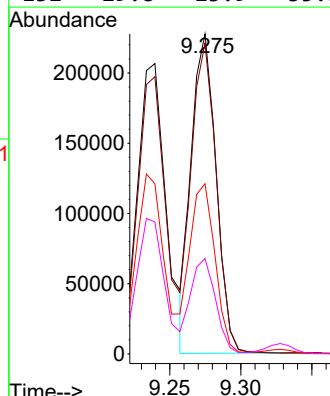
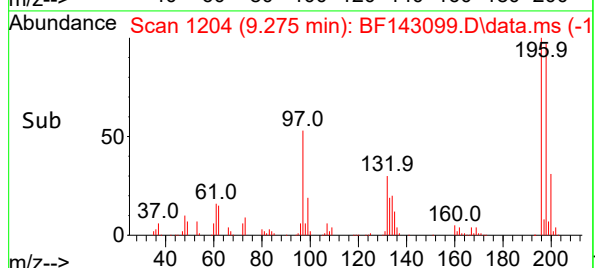
Ion Ratio Lower Upper

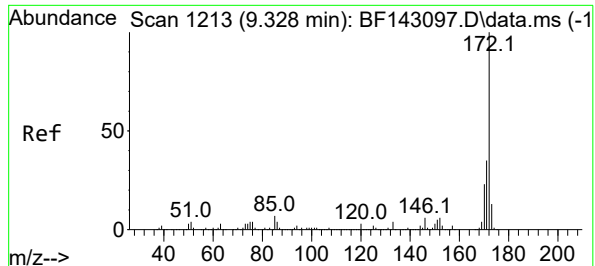
196 100

198 97.1 76.4 114.6

97 53.2 42.4 63.6

132 29.8 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 108.050 ng

RT: 9.328 min Scan# 1213

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:172 Resp: 1999612

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

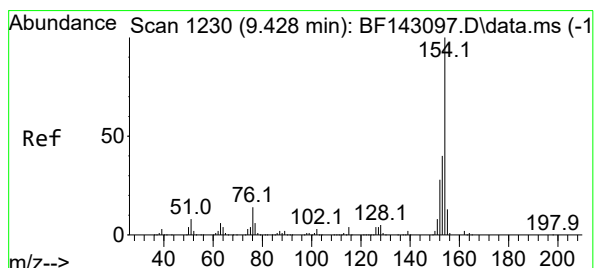
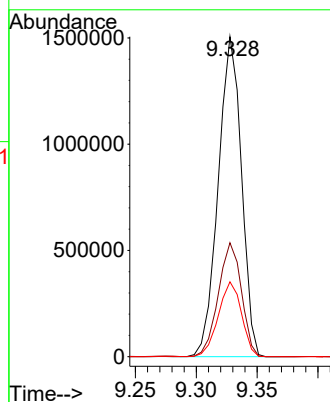
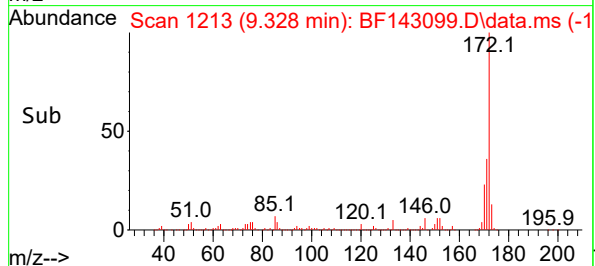
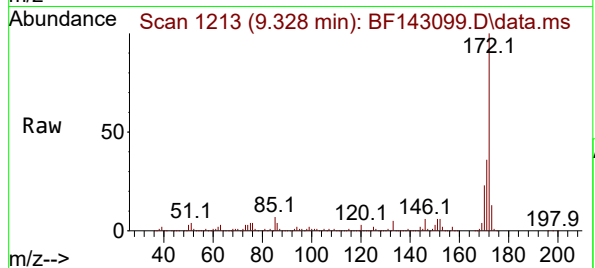
170 23.4 18.6 28.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#46

1,1'-Biphenyl

Concen: 56.274 ng

RT: 9.428 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

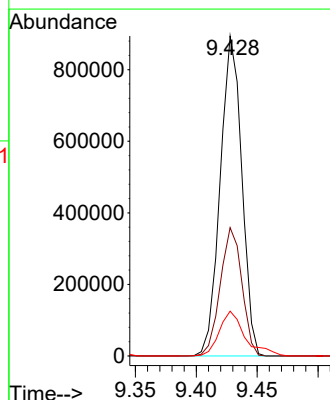
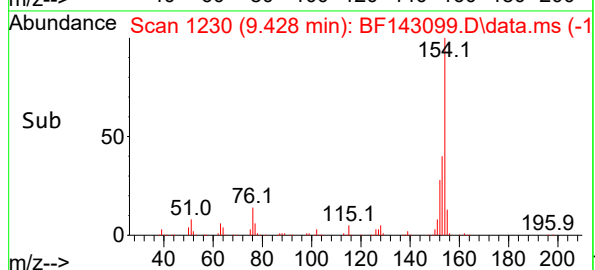
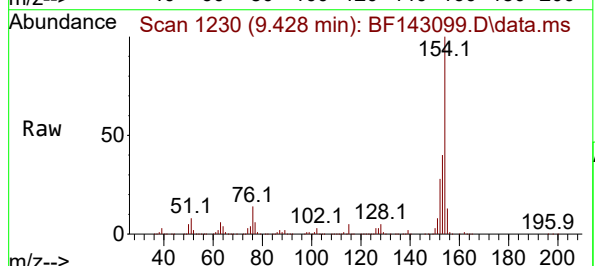
Tgt Ion:154 Resp: 1103990

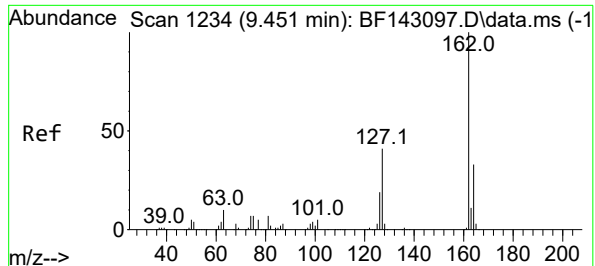
Ion Ratio Lower Upper

154 100

153 40.1 20.1 60.1

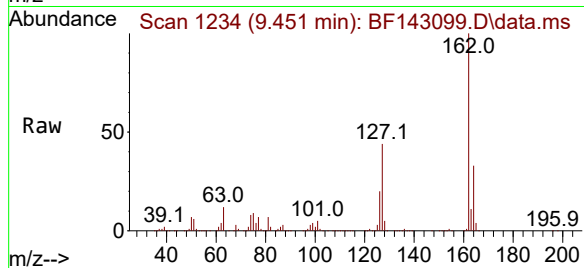
76 14.0 0.0 33.7





#47
2-Chloronaphthalene
Concen: 57.350 ng
RT: 9.451 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

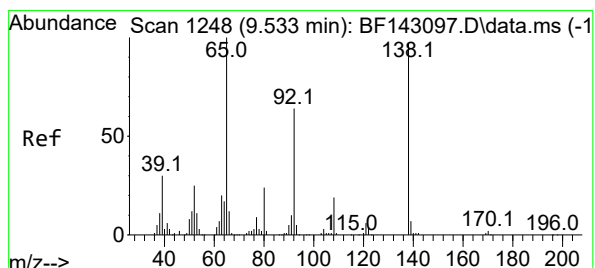
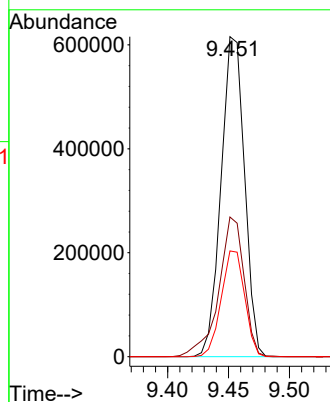
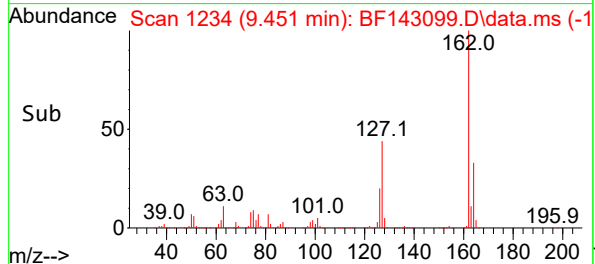
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 162 Resp: 826528
Ion Ratio Lower Upper
162 100
127 43.7 33.0 49.6
164 33.0 26.1 39.1

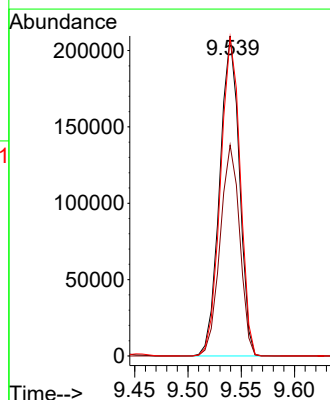
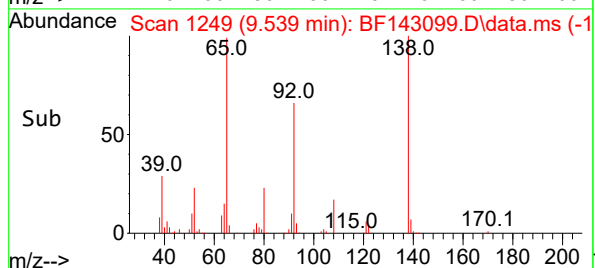
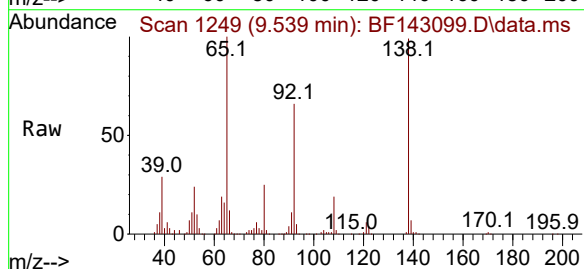
Manual Integrations
APPROVED

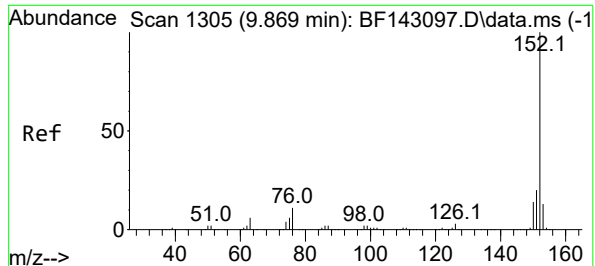
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#48
2-Nitroaniline
Concen: 61.259 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 65 Resp: 267636
Ion Ratio Lower Upper
65 100
92 65.9 51.3 76.9
138 99.5 77.8 116.6





#49

Acenaphthylene

Concen: 57.388 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143099.D

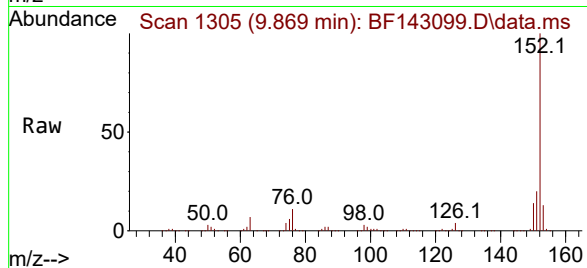
Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:152 Resp: 1378190

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

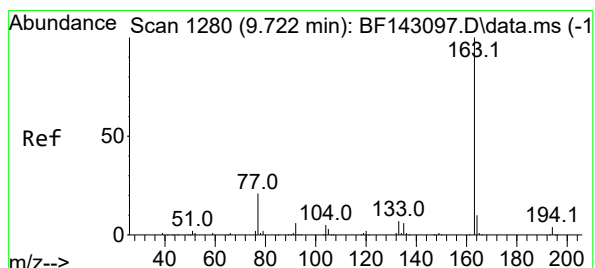
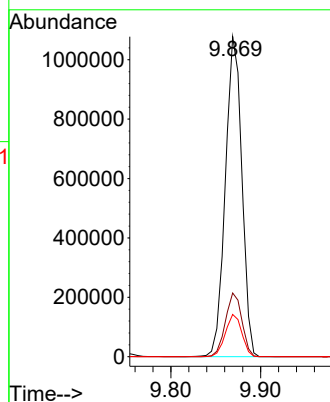
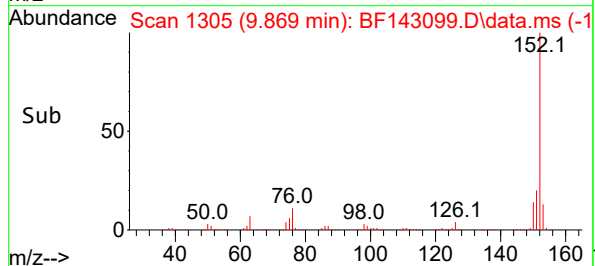
153 13.2 10.4 15.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#50

Dimethylphthalate

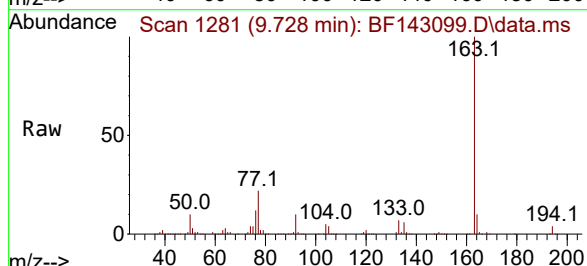
Concen: 58.118 ng

RT: 9.728 min Scan# 1281

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05



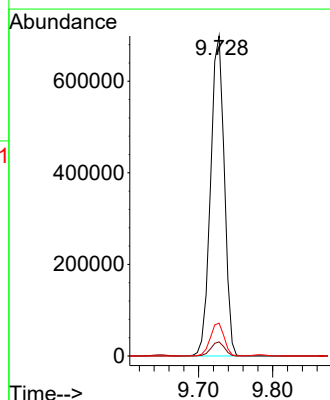
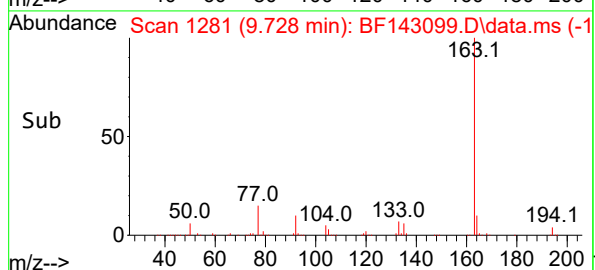
Tgt Ion:163 Resp: 899456

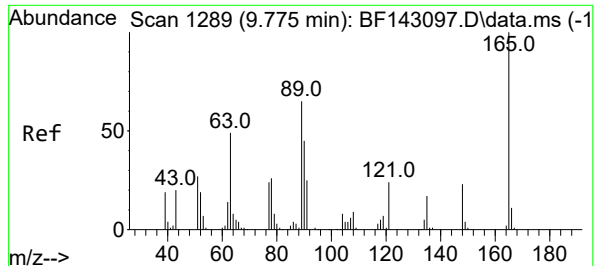
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

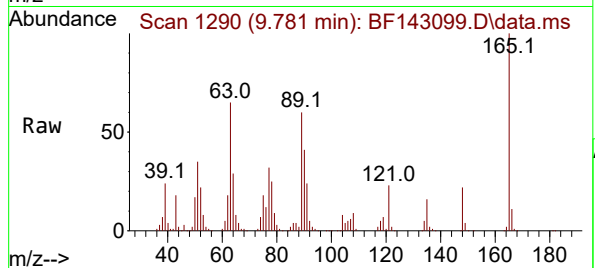
164 10.3 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 62.287 ng
RT: 9.781 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

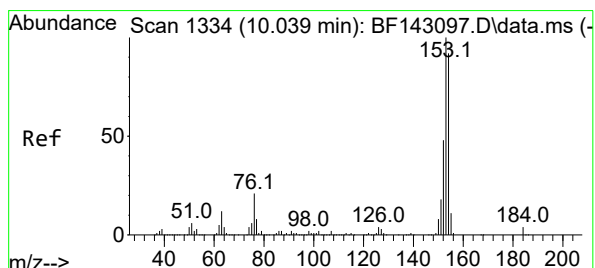
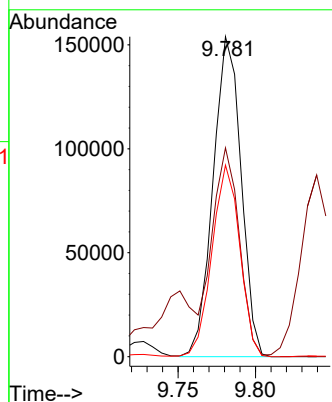
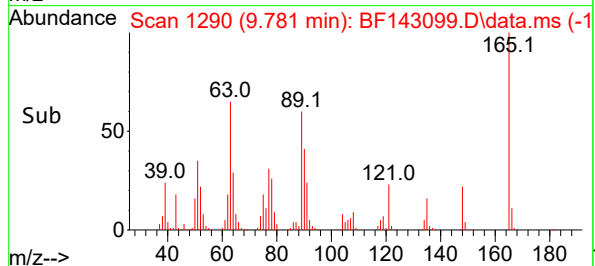
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 193185
Ion Ratio Lower Upper
165 100
63 65.2 57.4 86.0
89 59.9 51.8 77.8

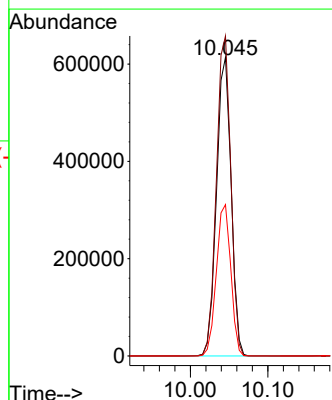
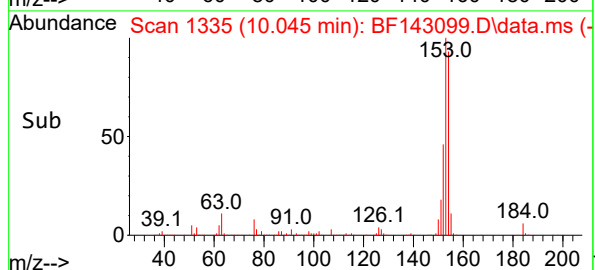
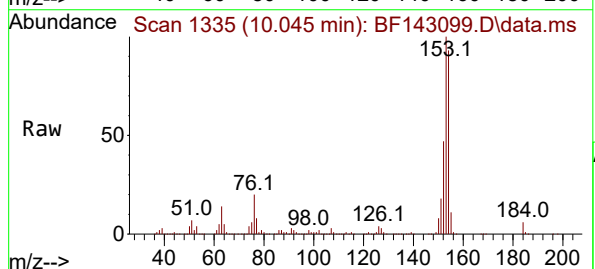
Manual Integrations
APPROVED

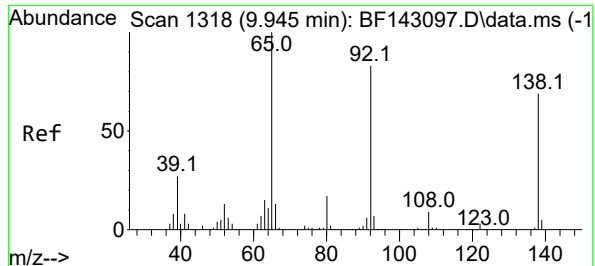
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#52
Acenaphthene
Concen: 56.633 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

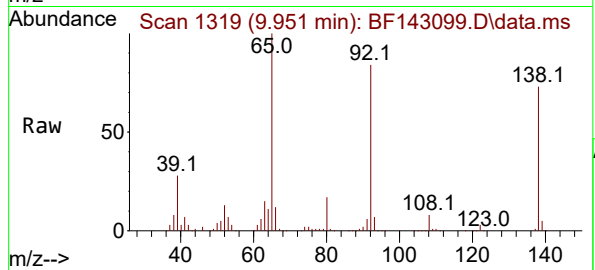
Tgt Ion:154 Resp: 802583
Ion Ratio Lower Upper
154 100
153 107.1 86.7 130.1
152 50.6 41.4 62.2





#53
3-Nitroaniline
Concen: 69.008 ng
RT: 9.951 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

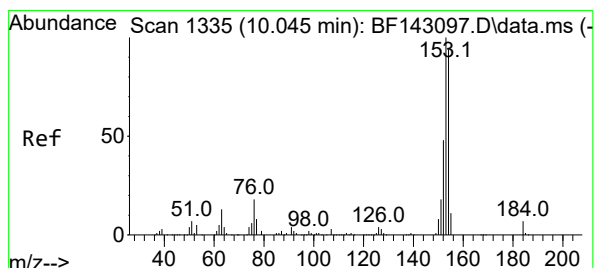
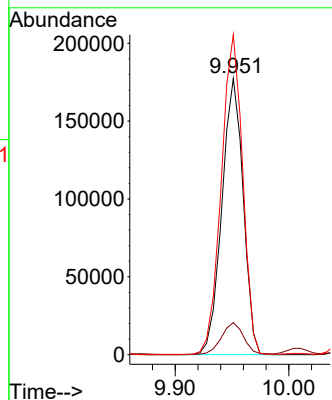
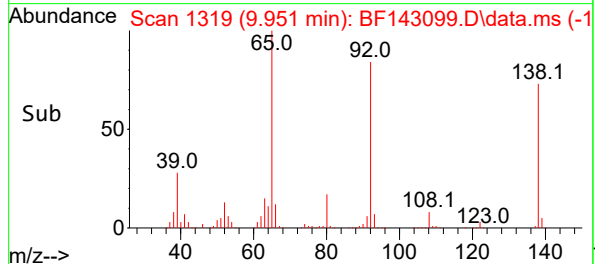
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:138 Resp: 23077
Ion Ratio Lower Upper
138 100
108 11.6 10.1 15.1
92 115.8 96.4 144.6

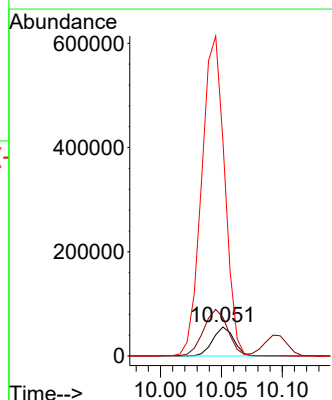
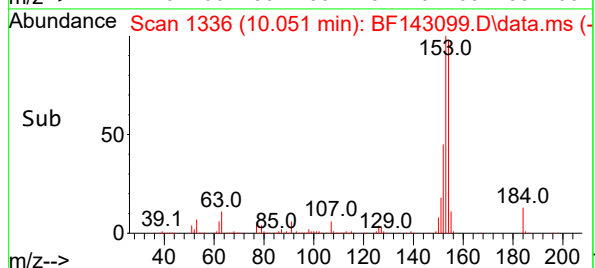
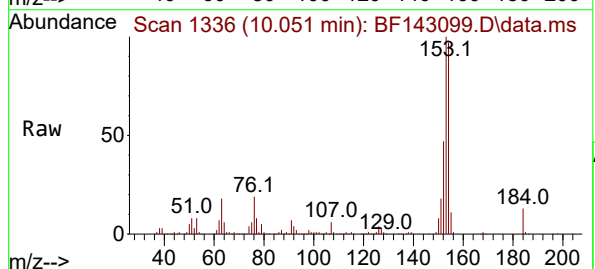
Manual Integrations
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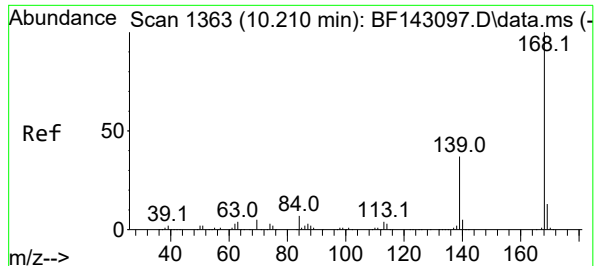
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#54
2,4-Dinitrophenol
Concen: 61.314 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:184 Resp: 66479
Ion Ratio Lower Upper
184 100
63 133.6 149.3 223.9#
154 743.3 1048.0 1572.0#





#55

Dibenzenofuran

Concen: 56.052 ng

RT: 10.216 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 118400

Ion Ratio Lower Upper

168 100

139 37.1 29.8 44.6

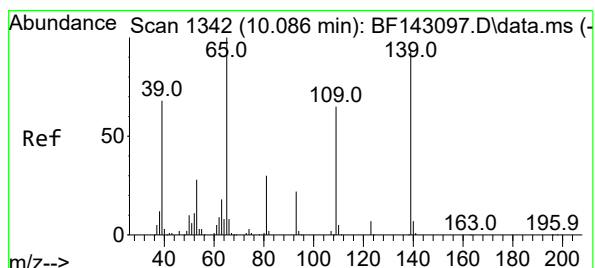
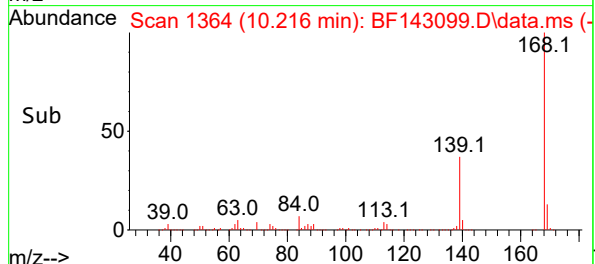
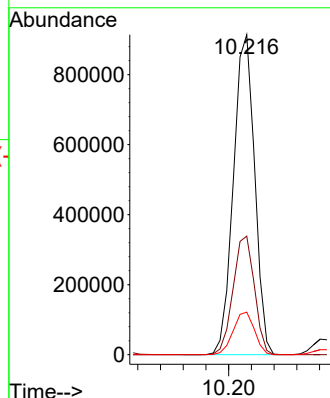
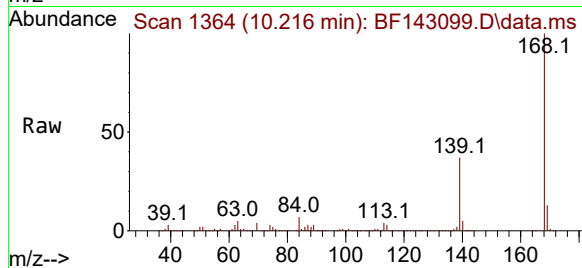
169 13.3 10.8 16.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#56

4-Nitrophenol

Concen: 65.716 ng

RT: 10.098 min Scan# 1344

Delta R.T. 0.012 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

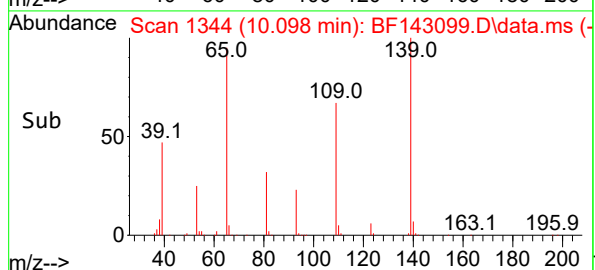
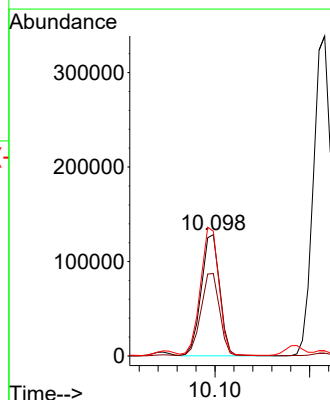
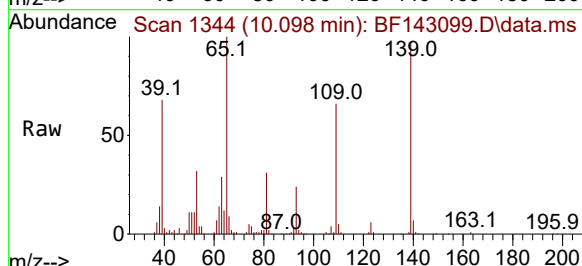
Tgt Ion:139 Resp: 174657

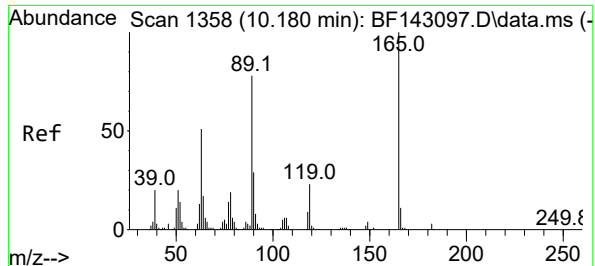
Ion Ratio Lower Upper

139 100

109 67.9 49.4 89.4

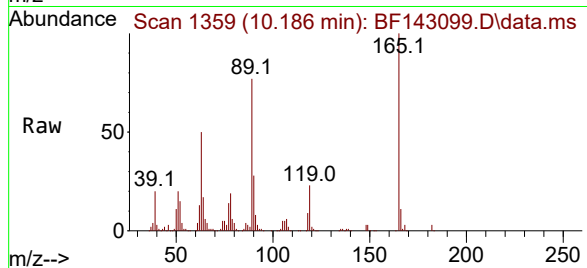
65 102.8 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 60.695 ng
RT: 10.186 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

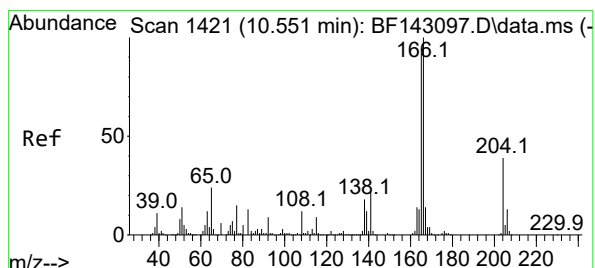
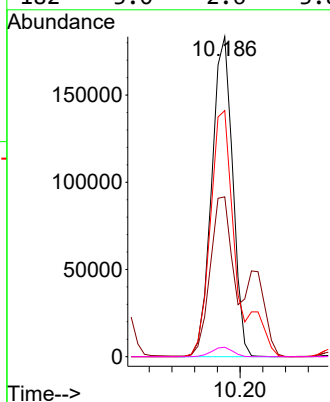
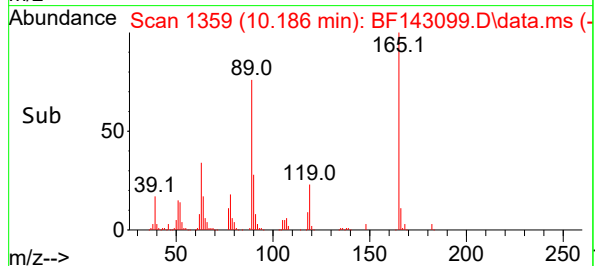
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 235488
Ion Ratio Lower Upper
165 100
63 49.9 40.6 61.0
89 76.9 62.3 93.5
182 3.0 2.6 3.8

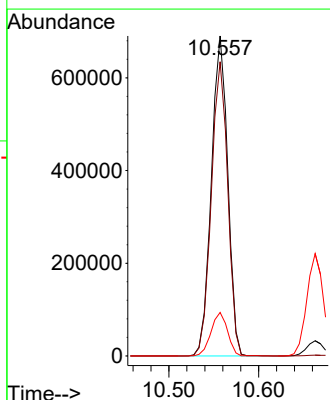
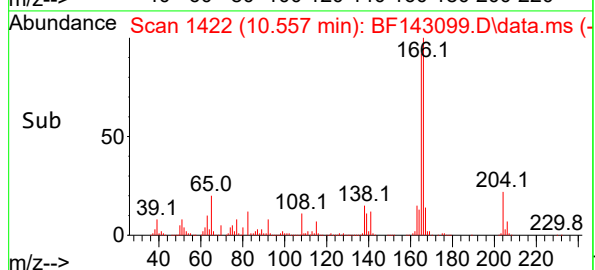
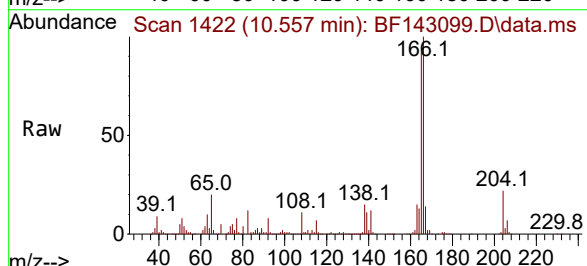
Manual Integrations
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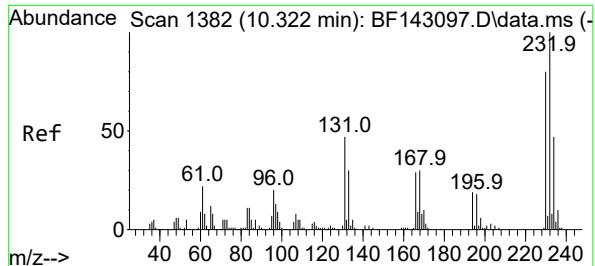
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#58
Fluorene
Concen: 55.265 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

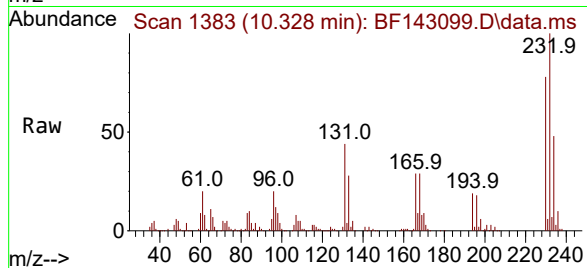
Tgt Ion:166 Resp: 875218
Ion Ratio Lower Upper
166 100
165 91.9 73.7 110.5
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 64.235 ng
RT: 10.328 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

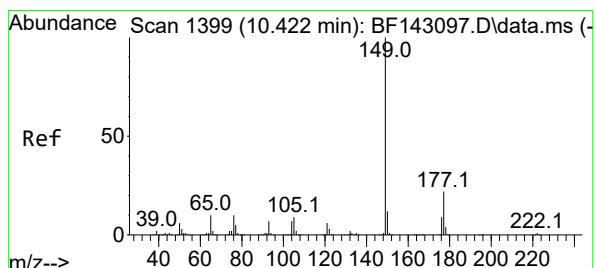
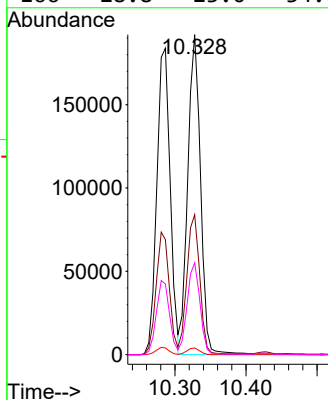
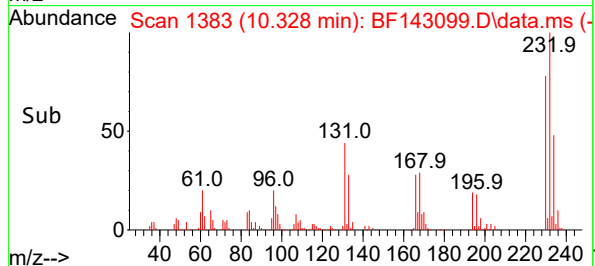
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



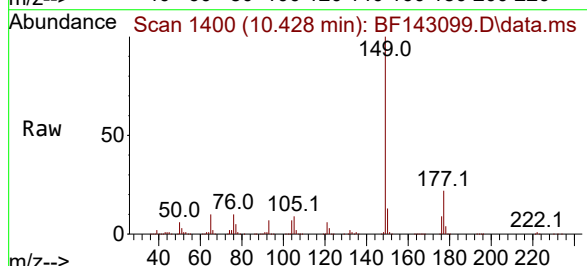
Tgt Ion:232 Resp: 238428
Ion Ratio Lower Upper
232 100
131 43.9 36.9 55.3
130 2.1 1.8 2.8
166 28.8 23.0 34.6

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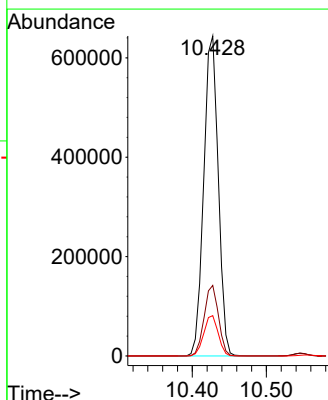
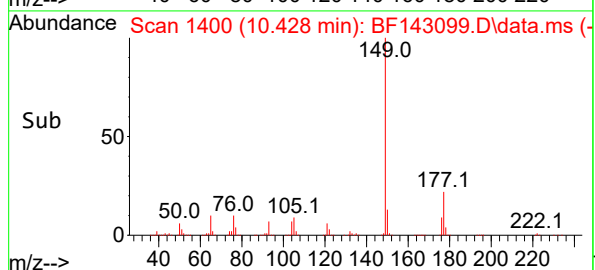
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

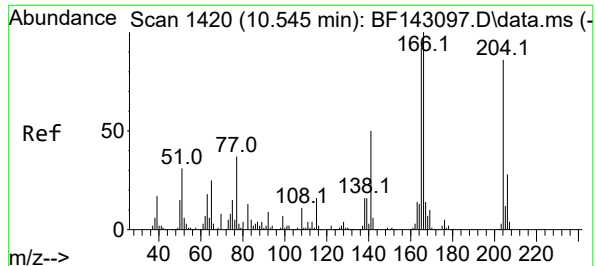


#60
Diethylphthalate
Concen: 58.672 ng
RT: 10.428 min Scan# 1400
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05



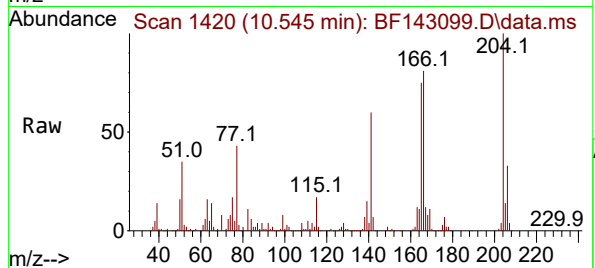
Tgt Ion:149 Resp: 876047
Ion Ratio Lower Upper
149 100
177 22.1 17.3 25.9
150 12.6 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 57.000 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

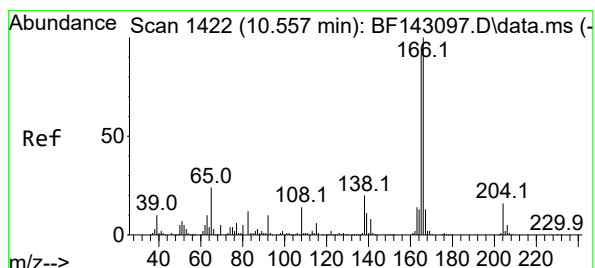
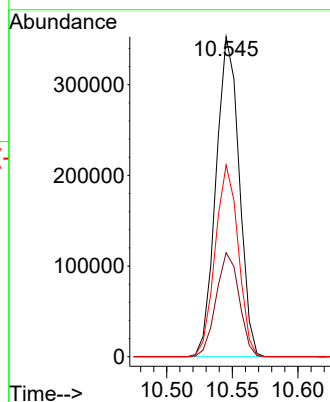
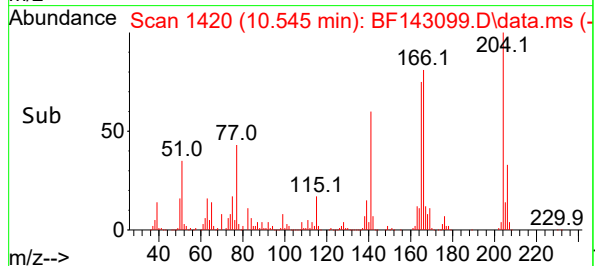
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



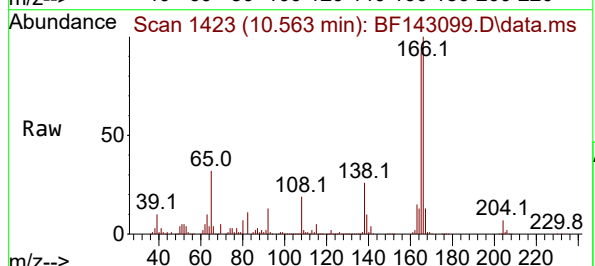
Tgt Ion:204 Resp: 432659
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.6
141 59.9 46.8 70.2

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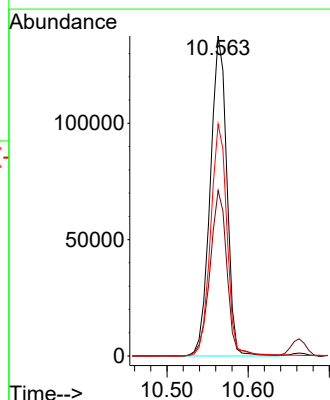
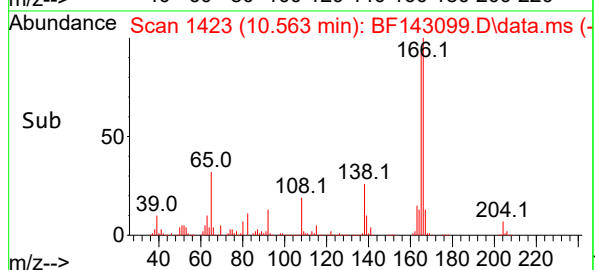
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

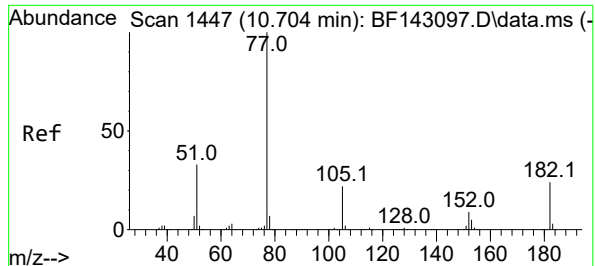


#62
4-Nitroaniline
Concen: 66.802 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05



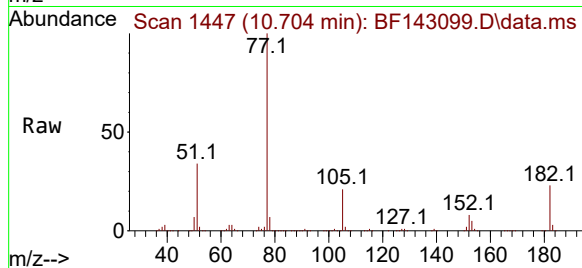
Tgt Ion:138 Resp: 194271
Ion Ratio Lower Upper
138 100
92 51.7 30.4 70.4
108 72.5 49.5 89.5





#63
Azobenzene
Concen: 57.300 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

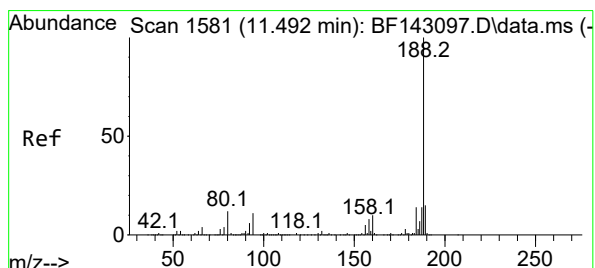
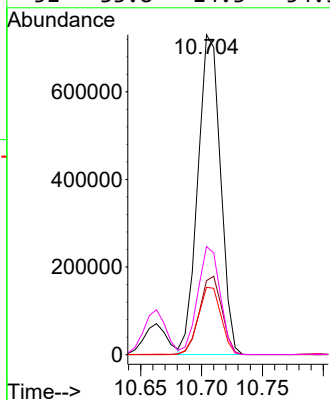
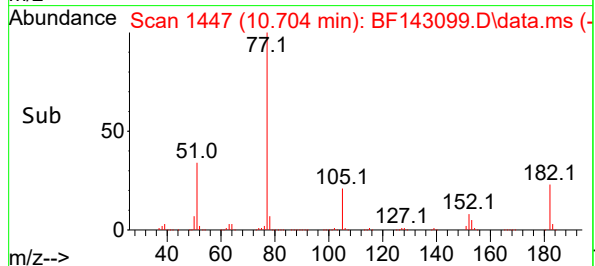
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 946204
Ion Ratio Lower Upper
77 100
182 23.2 4.0 44.0
105 21.1 1.4 41.4
51 33.8 14.3 54.3

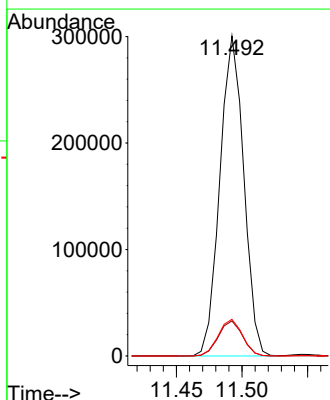
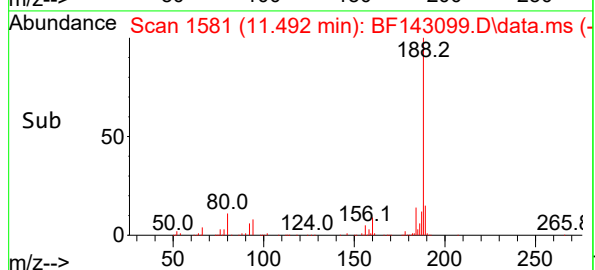
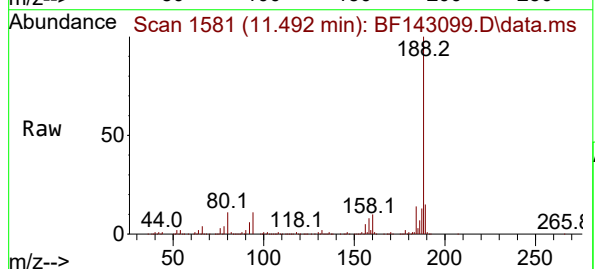
Manual Integrations
APPROVED

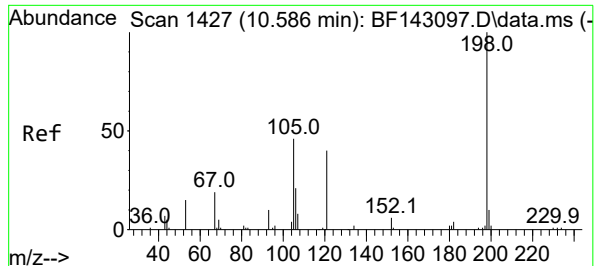
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:188 Resp: 380313
Ion Ratio Lower Upper
188 100
94 10.9 8.6 13.0
80 11.4 9.3 13.9





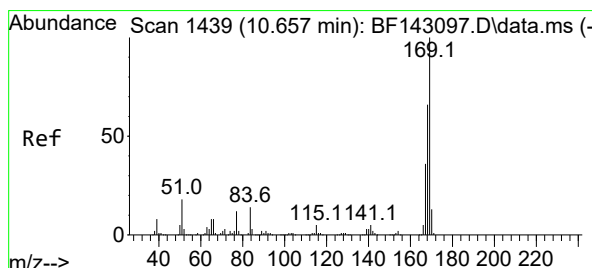
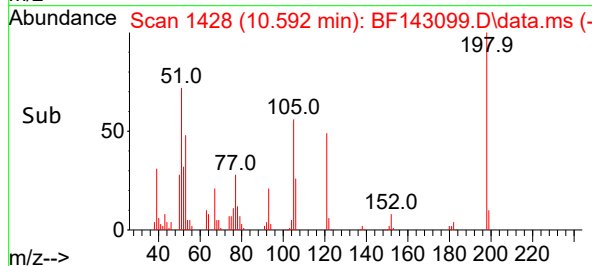
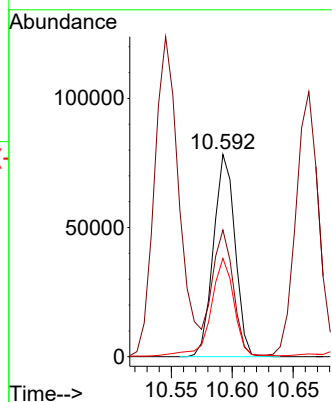
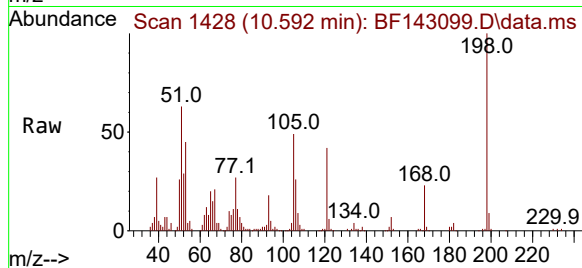
#65
4,6-Dinitro-2-methylphenol
Concen: 62.285 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 96305
Ion Ratio Lower Upper
198 100
51 62.6 44.6 84.6
105 48.6 29.3 69.3

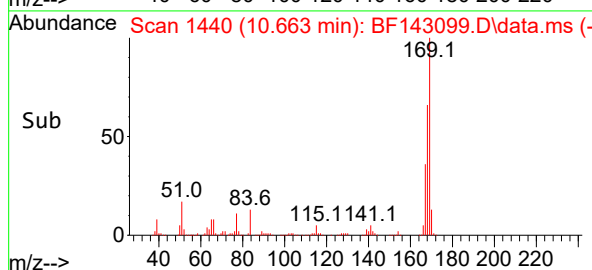
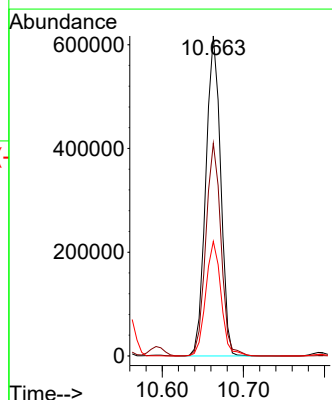
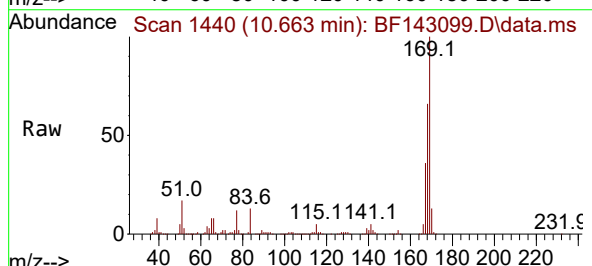
Manual Integrations
APPROVED

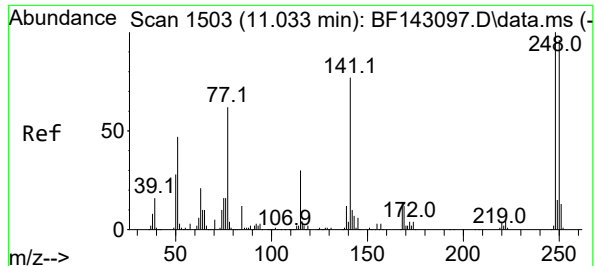
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#66
n-Nitrosodiphenylamine
Concen: 58.469 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

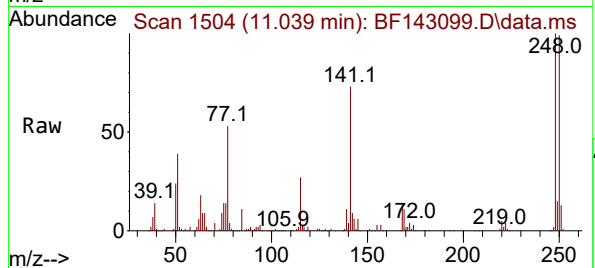
Tgt Ion:169 Resp: 781087
Ion Ratio Lower Upper
169 100
168 66.5 53.0 79.6
167 35.8 28.4 42.6





#67
4-Bromophenyl-phenylether
Concen: 60.229 ng
RT: 11.039 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

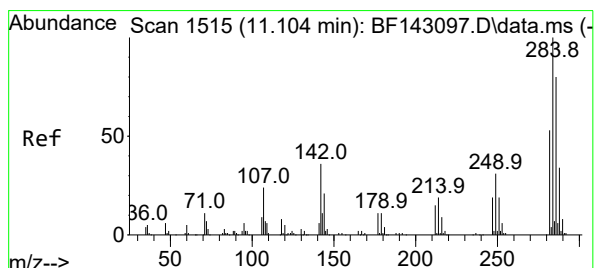
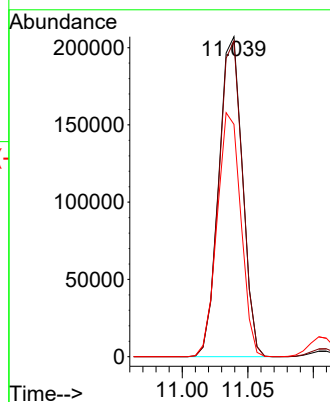
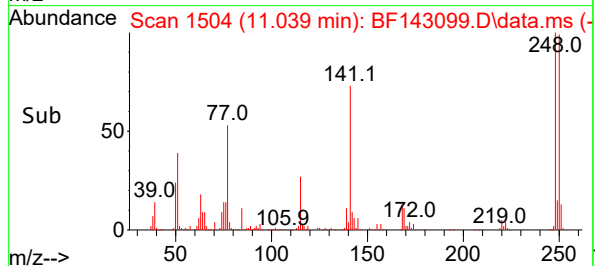
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



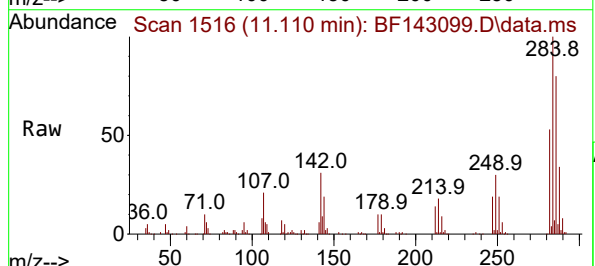
Tgt Ion:248 Resp: 26049
Ion Ratio Lower Upper
248 100
250 98.7 76.7 115.1
141 72.6 61.7 92.5

Manual Integrations
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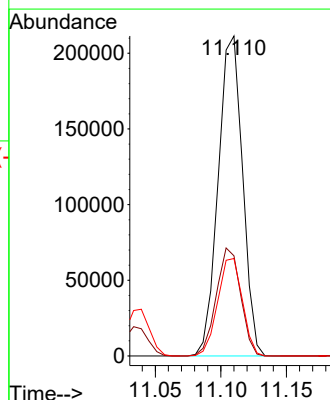
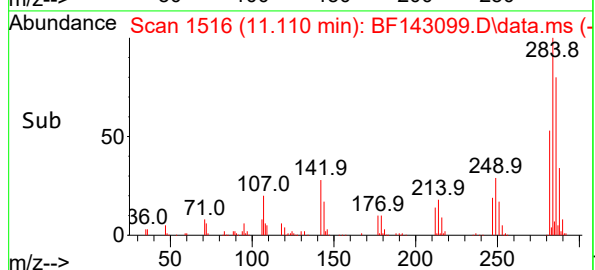
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

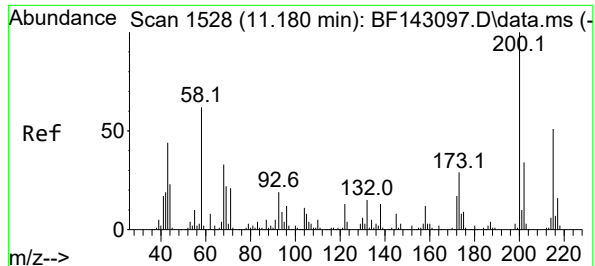


#68
Hexachlorobenzene
Concen: 59.515 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05



Tgt Ion:284 Resp: 273112
Ion Ratio Lower Upper
284 100
142 31.3 28.9 43.3
249 30.5 24.6 37.0





#69

Atrazine

Concen: 61.838 ng

RT: 11.186 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:200 Resp: 21135

Ion Ratio Lower Upper

200 100

173 27.9 9.1 49.1

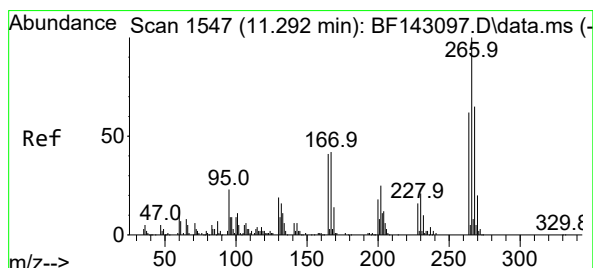
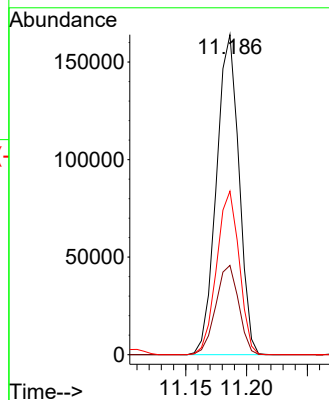
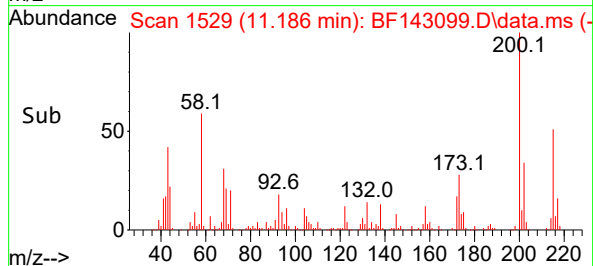
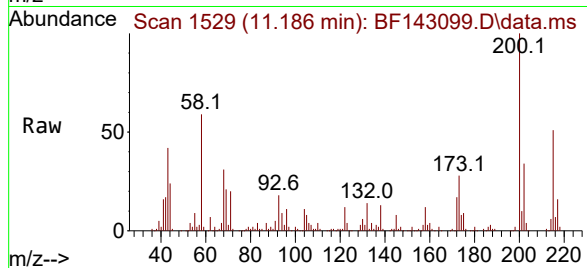
215 51.1 31.0 71.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#70

Pentachlorophenol

Concen: 65.805 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

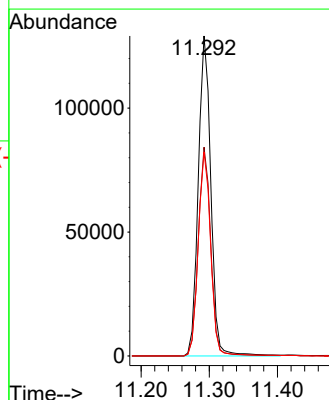
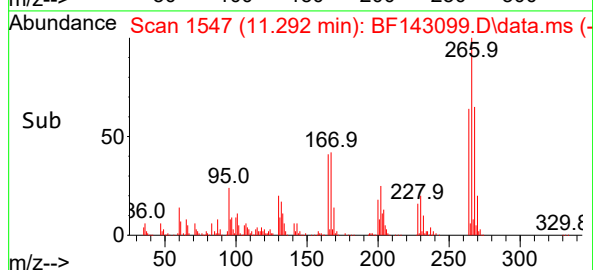
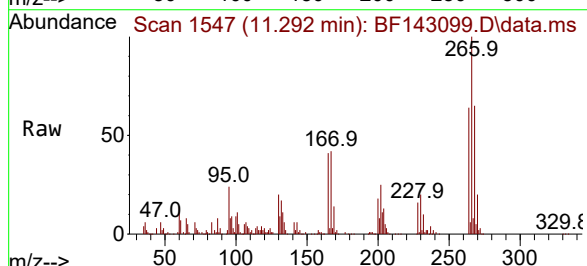
Tgt Ion:266 Resp: 165676

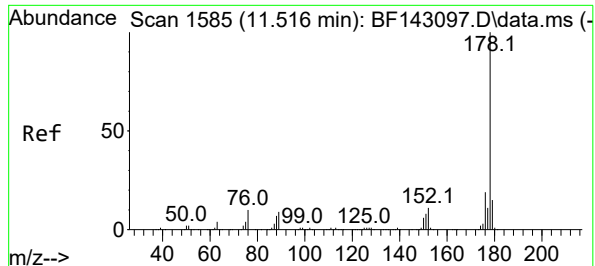
Ion Ratio Lower Upper

266 100

268 65.2 51.8 77.6

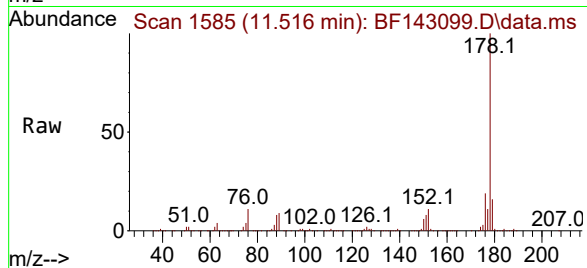
264 63.7 49.7 74.5





#71
Phenanthrene
Concen: 56.762 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

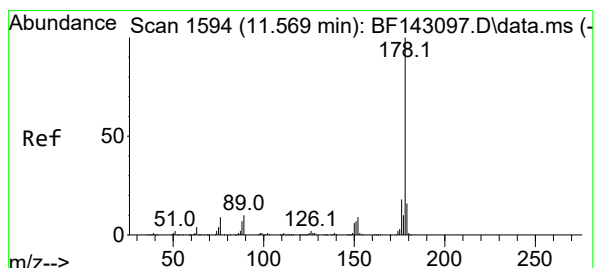
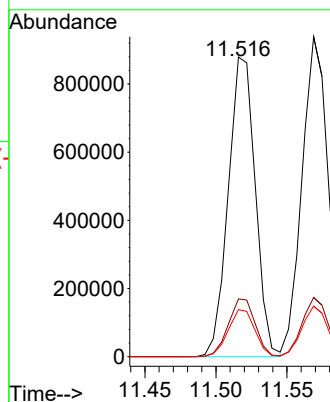
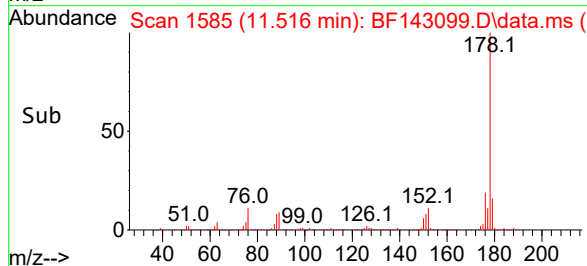
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:178 Resp: 116504
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.7 12.2 18.4

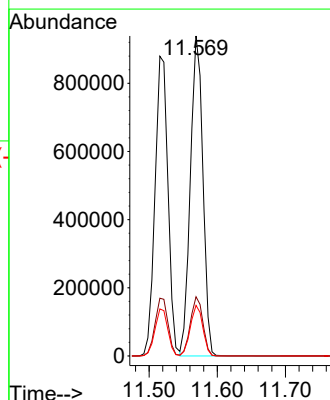
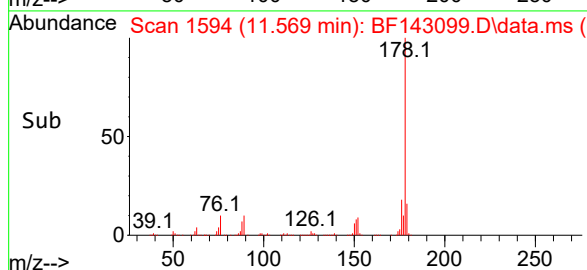
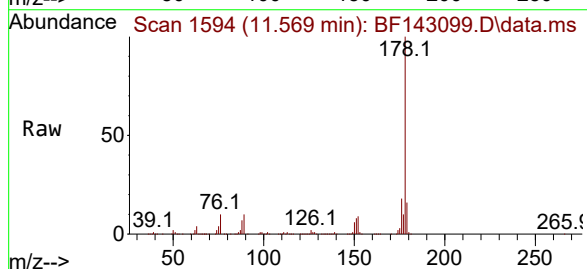
Manual Integrations
APPROVED

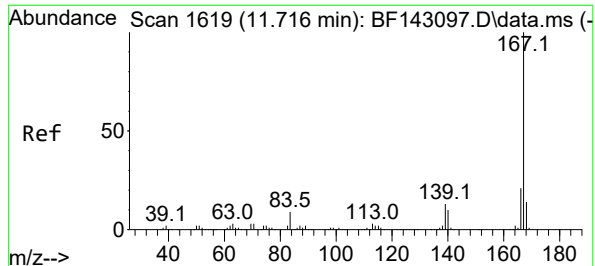
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#72
Anthracene
Concen: 57.589 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

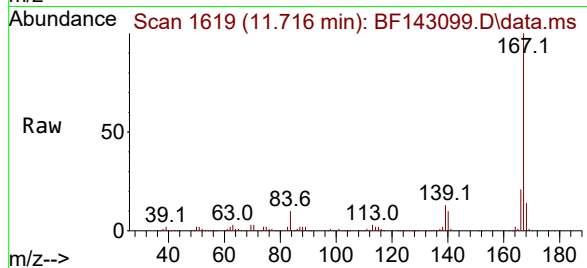
Tgt Ion:178 Resp: 1188635
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.8 12.4 18.6





#73
Carbazole
Concen: 57.179 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

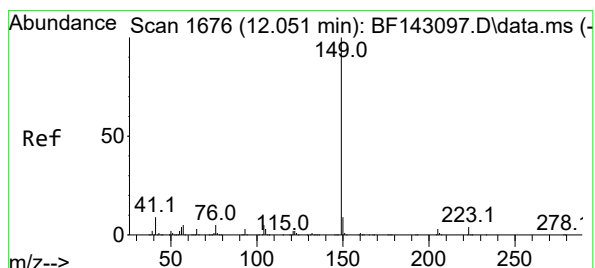
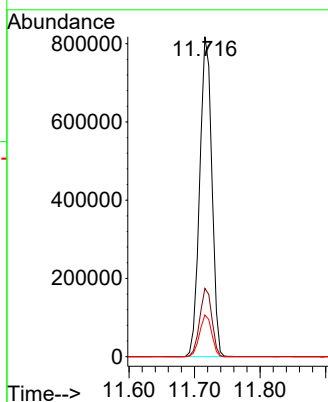
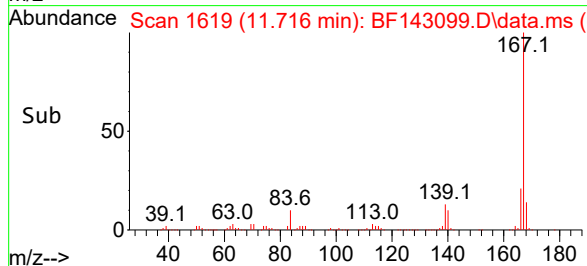
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



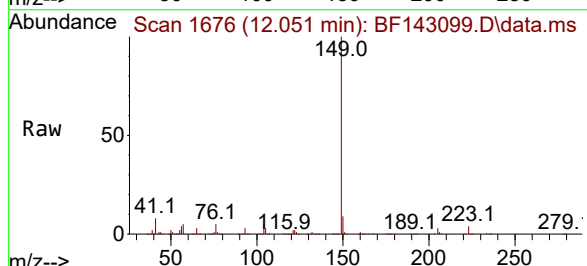
Tgt Ion:167 Resp: 105729
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.4
139 13.1 10.2 15.4

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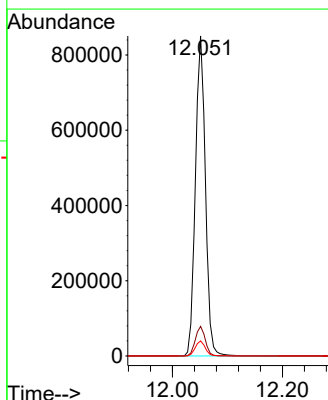
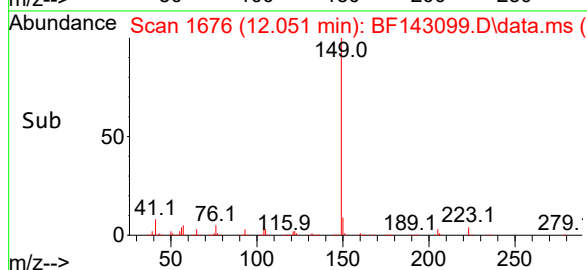
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

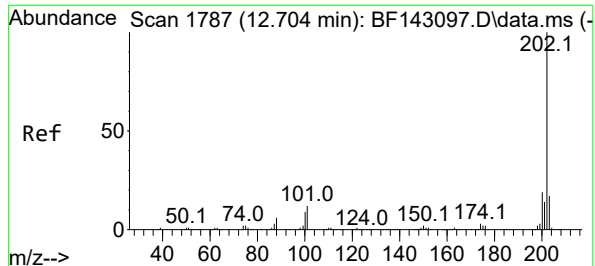


#74
Di-n-butylphthalate
Concen: 63.291 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05



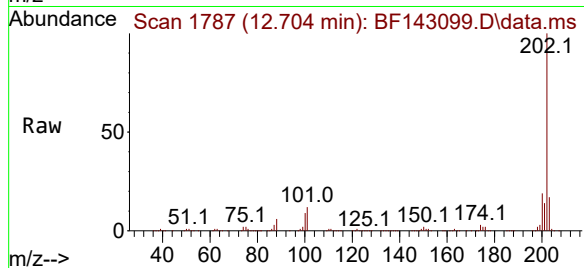
Tgt Ion:149 Resp: 1074246
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 57.328 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

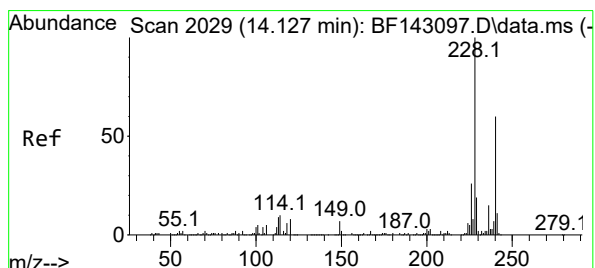
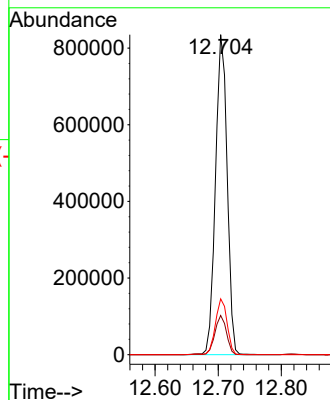
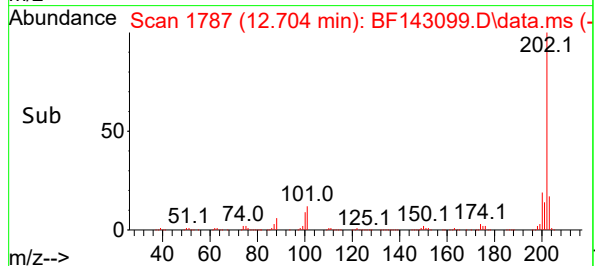
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:202 Resp: 1069898
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.4
203 17.4 0.0 37.4

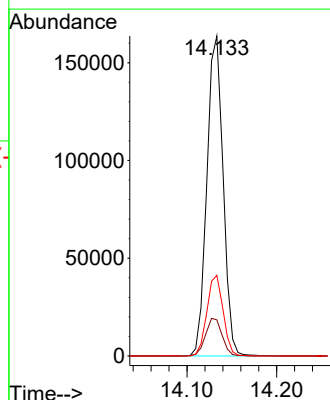
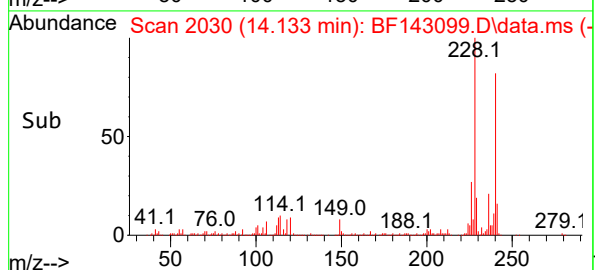
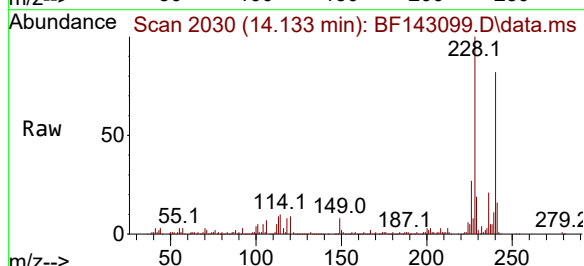
Manual Integrations
APPROVED

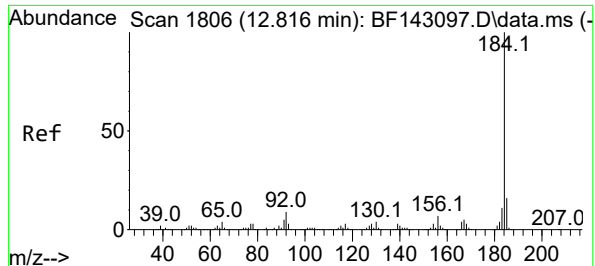
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

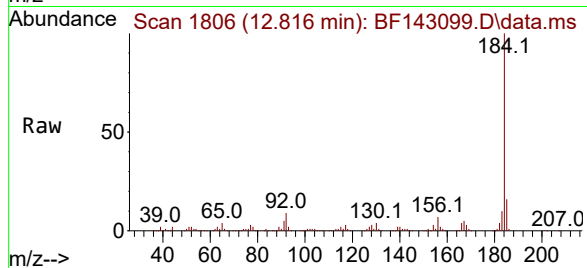
Tgt Ion:240 Resp: 205942
Ion Ratio Lower Upper
240 100
120 11.3 10.0 15.0
236 25.2 20.0 30.0





#77
Benzidine
Concen: 54.244 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

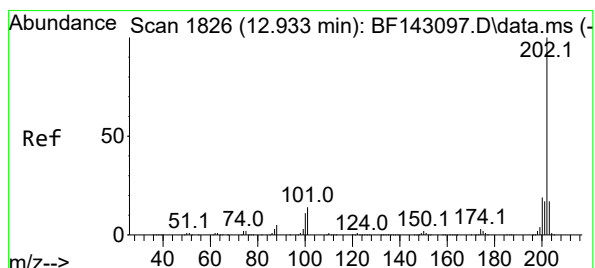
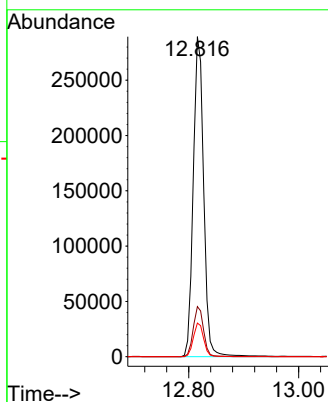
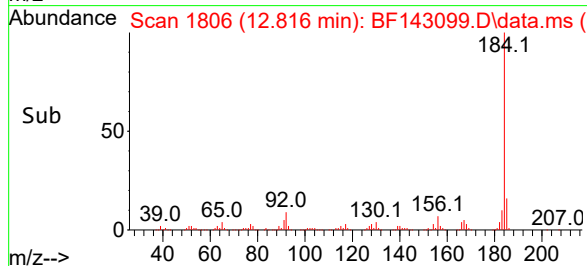
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:184 Resp: 38058
Ion Ratio Lower Upper
184 100
185 15.6 12.4 18.6
183 10.5 8.6 12.8

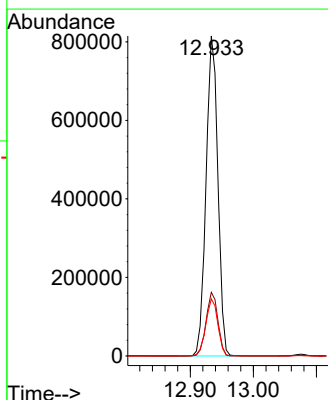
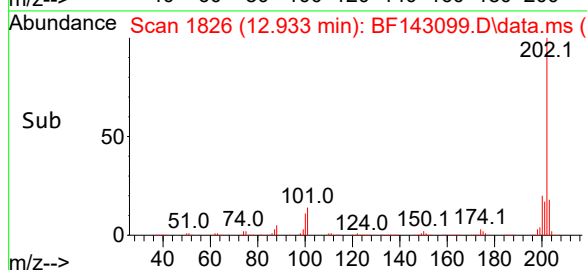
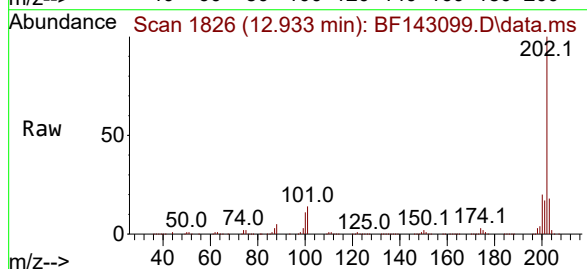
Manual Integrations
APPROVED

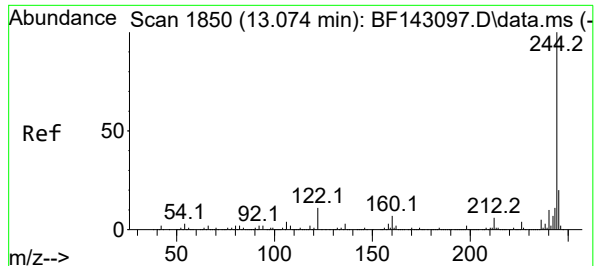
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#78
Pyrene
Concen: 55.485 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:202 Resp: 1060216
Ion Ratio Lower Upper
202 100
200 19.9 15.5 23.3
203 17.8 14.0 21.0





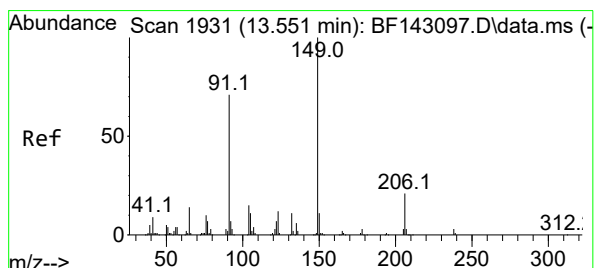
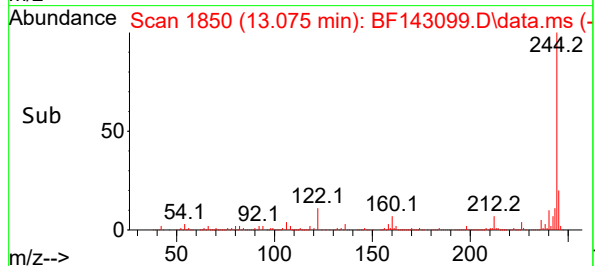
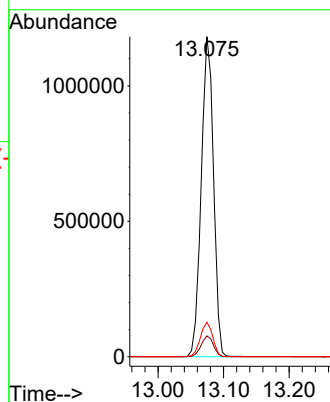
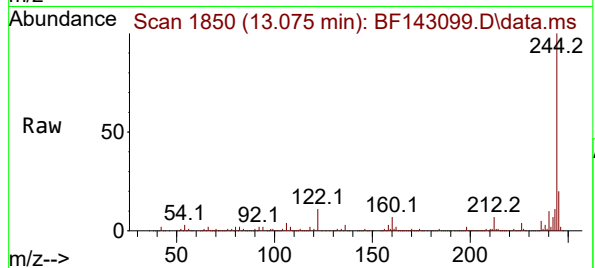
#79
Terphenyl-d14
Concen: 109.260 ng
RT: 13.075 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 153927
Ion Ratio Lower Upper
244 100
212 6.5 5.2 7.8
122 10.7 8.8 13.2

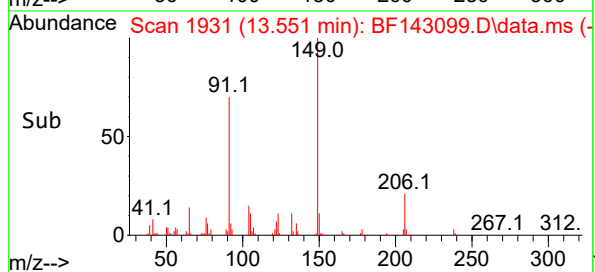
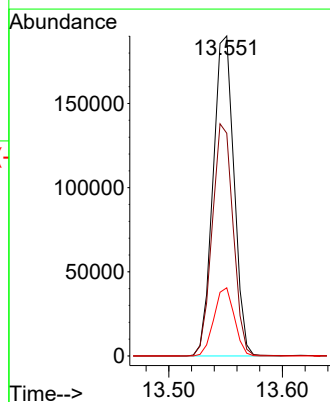
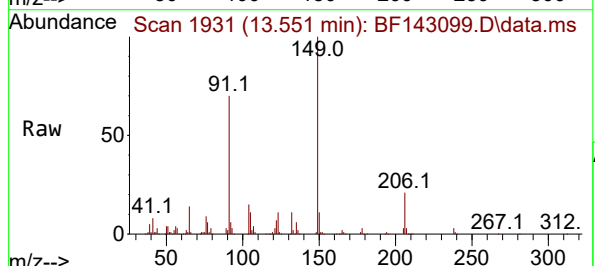
Manual Integrations
APPROVED

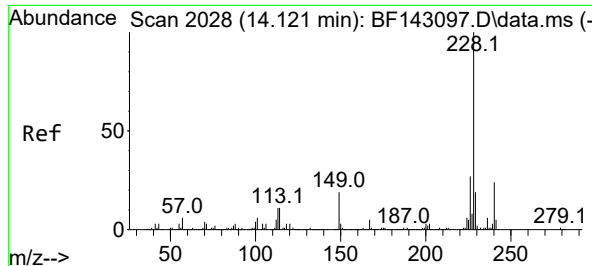
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#80
Butylbenzylphthalate
Concen: 62.406 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

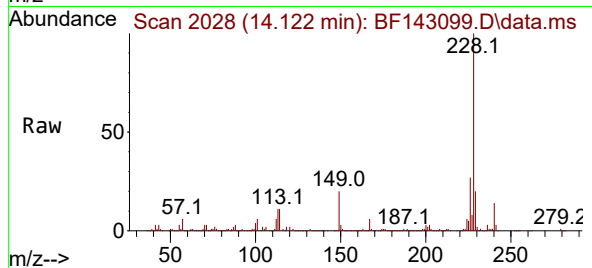
Tgt Ion:149 Resp: 243805
Ion Ratio Lower Upper
149 100
91 69.6 57.0 85.4
206 21.3 17.2 25.8





#81
Benzo(a)anthracene
Concen: 59.697 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

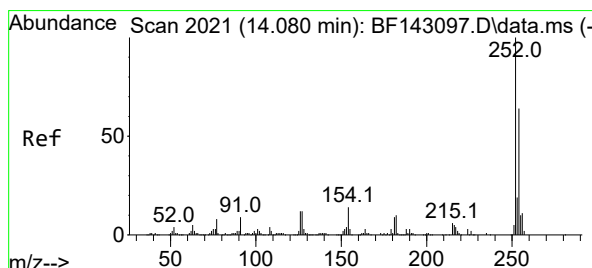
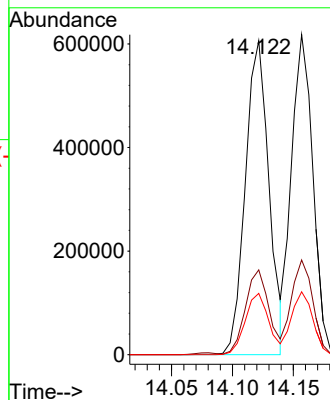
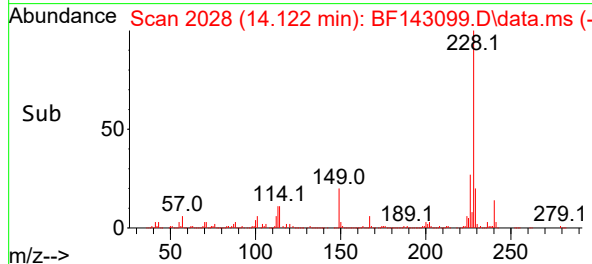
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 819240
Ion Ratio Lower Upper
228 100
226 27.0 21.3 31.9
229 19.5 15.5 23.3

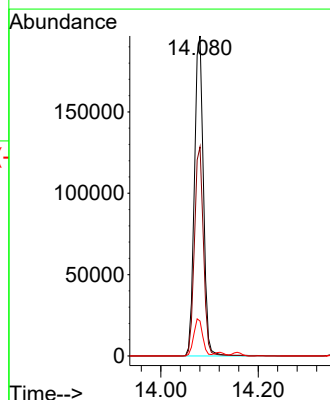
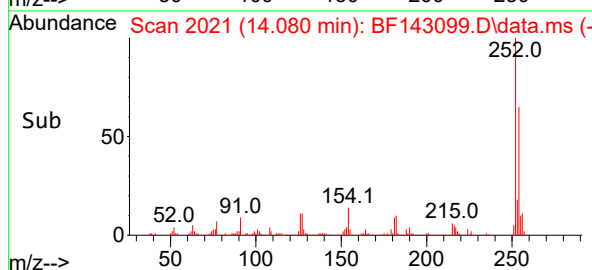
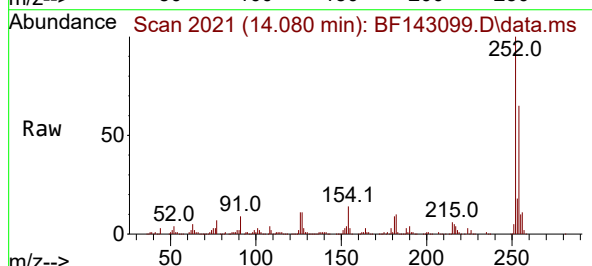
Manual Integrations
APPROVED

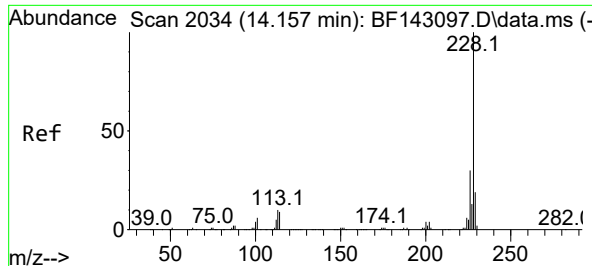
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#82
3,3'-Dichlorobenzidine
Concen: 63.758 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

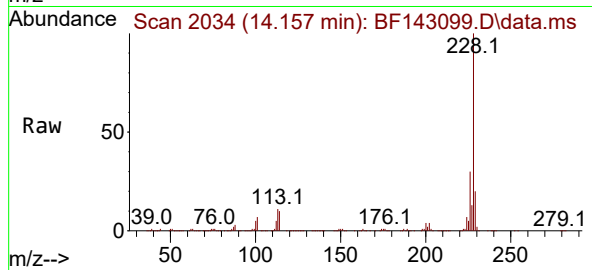
Tgt Ion:252 Resp: 254086
Ion Ratio Lower Upper
252 100
254 65.3 51.5 77.3
126 10.9 9.4 14.0





#83
Chrysene
Concen: 60.044 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

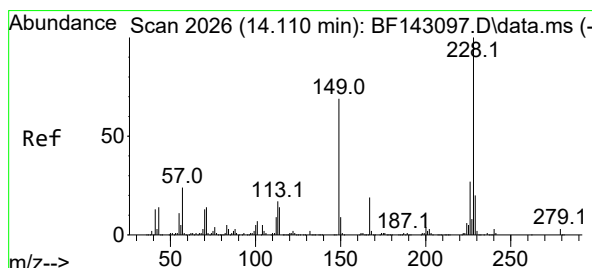
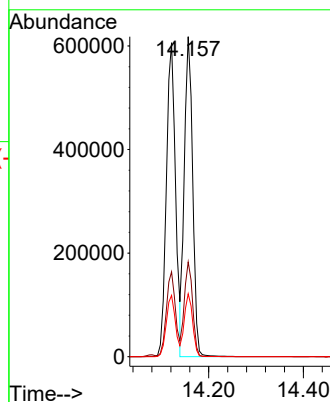
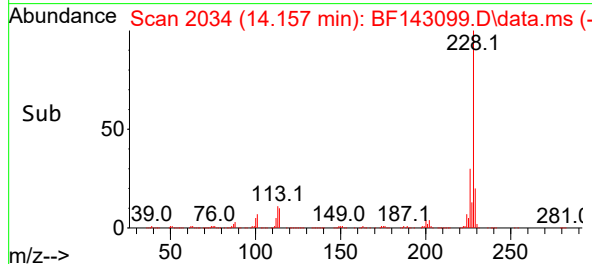
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 758910
Ion Ratio Lower Upper
228 100
226 29.6 23.4 35.2
229 19.7 15.3 22.9

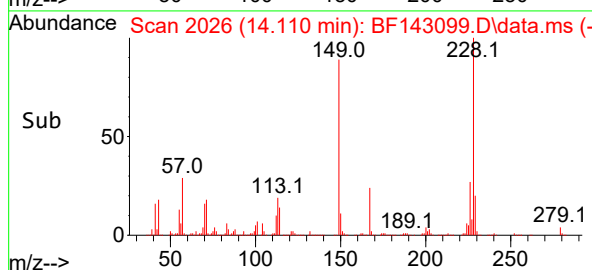
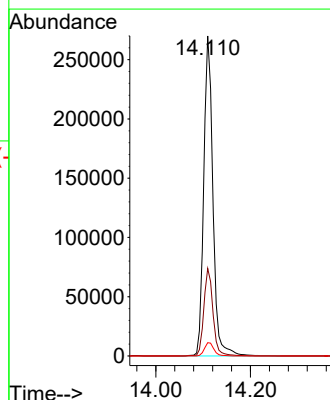
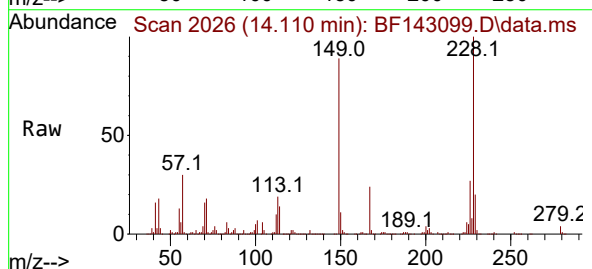
Manual Integrations
APPROVED

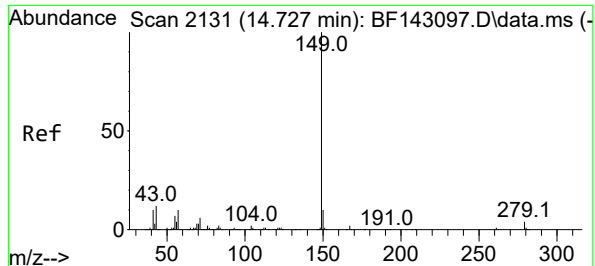
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 61.957 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

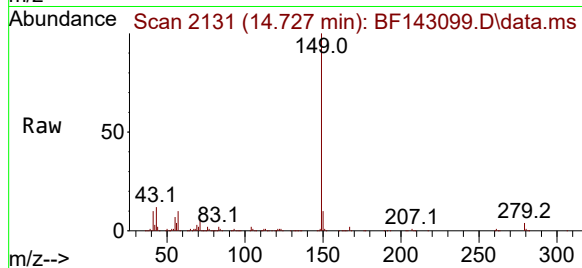
Tgt Ion:149 Resp: 364902
Ion Ratio Lower Upper
149 100
167 27.4 21.9 32.9
279 4.2 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 60.817 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

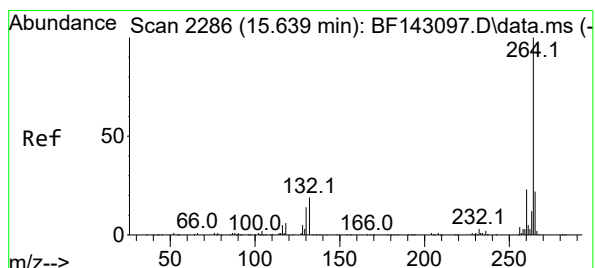
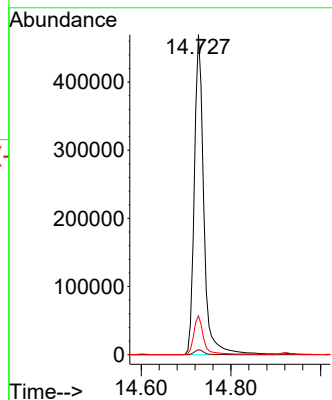
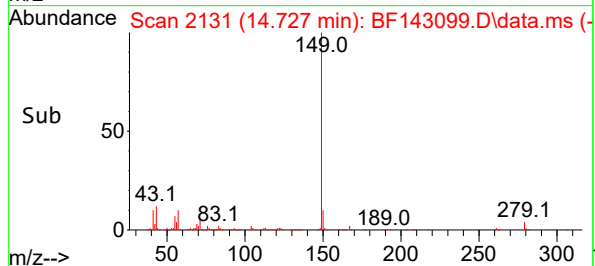
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:149 Resp: 688940
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.4 10.6 16.0

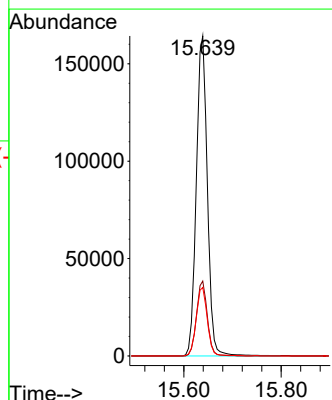
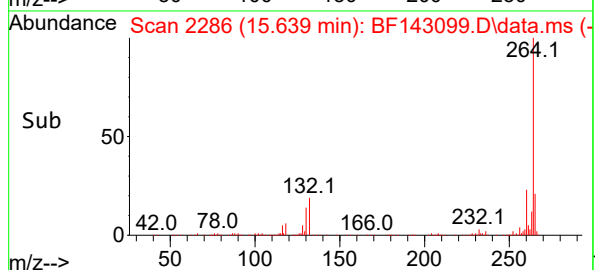
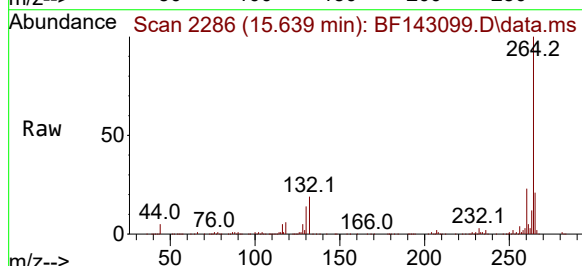
Manual Integrations
APPROVED

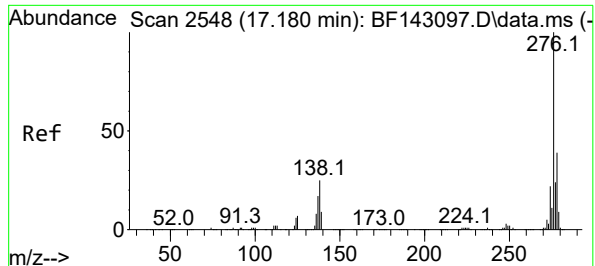
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:264 Resp: 260121
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.286 ng

RT: 17.192 min Scan# 2110

Delta R.T. 0.012 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:276 Resp: 118570

Ion Ratio Lower Upper

276 100

138 27.6 22.6 34.0

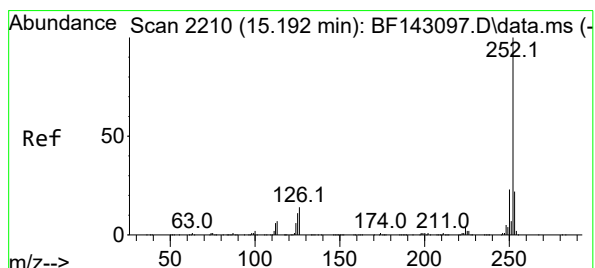
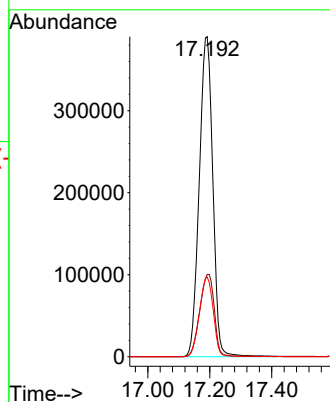
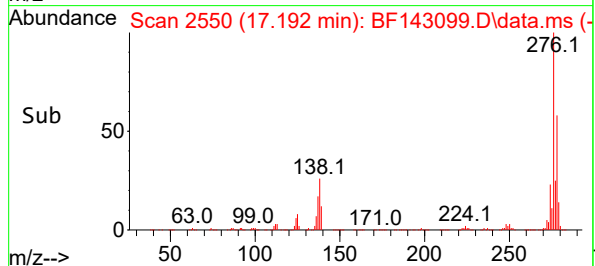
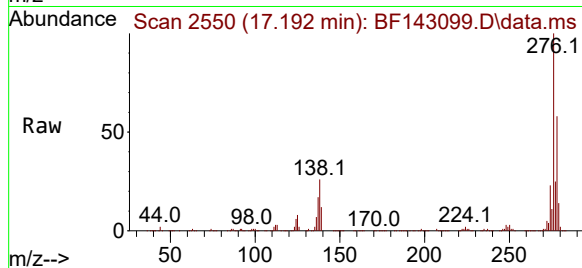
277 25.4 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#88

Benzo(b)fluoranthene

Concen: 61.640 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

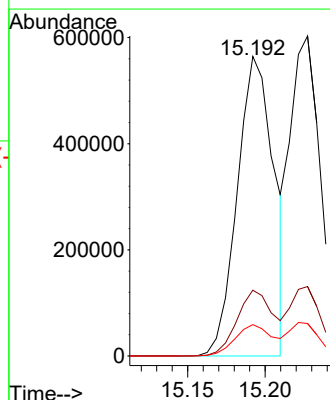
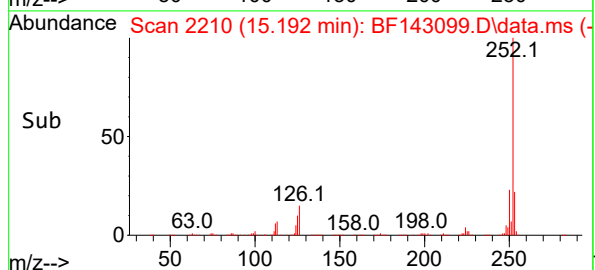
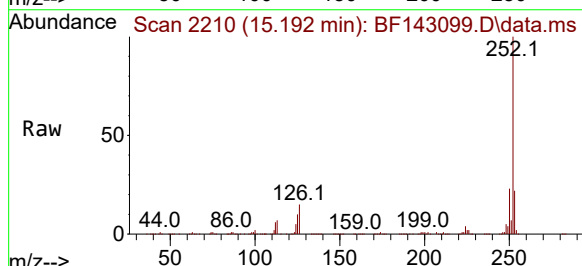
Tgt Ion:252 Resp: 924866

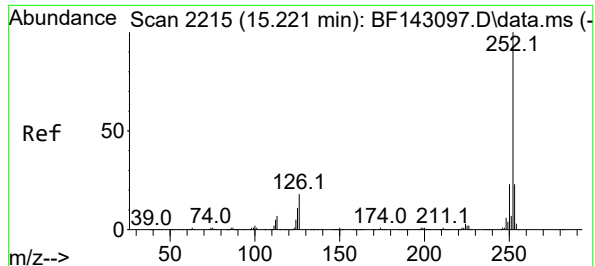
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.5 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 57.794 ng

RT: 15.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 827274

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

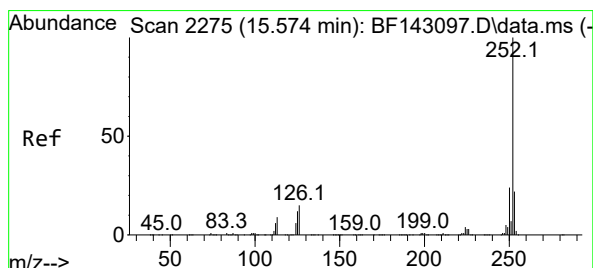
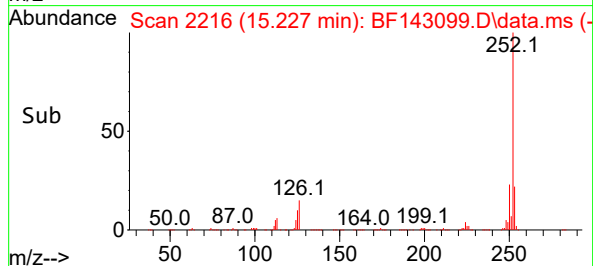
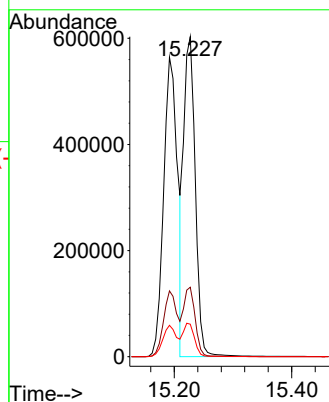
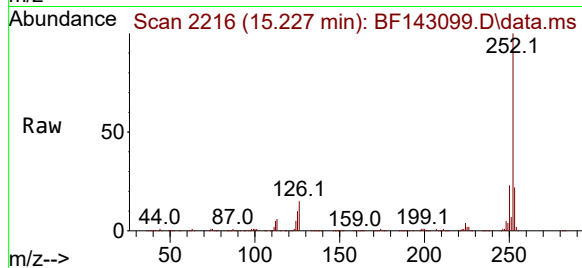
125 10.2 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#90

Benzo(a)pyrene

Concen: 61.791 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

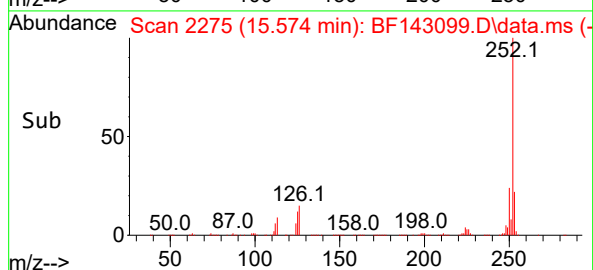
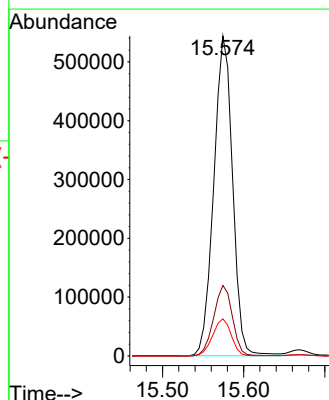
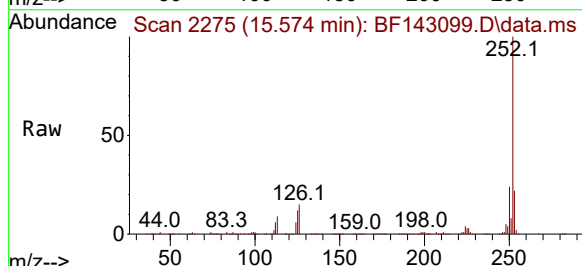
Tgt Ion:252 Resp: 876856

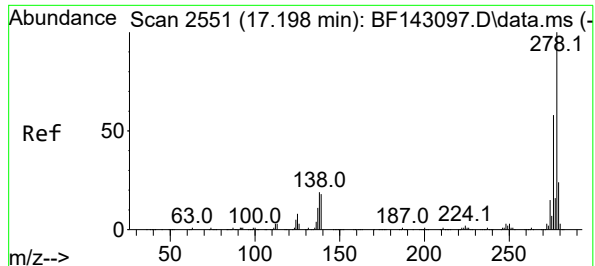
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 11.6 9.4 14.0





#91

Dibenzo(a,h)anthracene

Concen: 60.300 ng

RT: 17.210 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:278 Resp: 95366

Ion Ratio Lower Upper

278 100

139 17.4 14.6 22.0

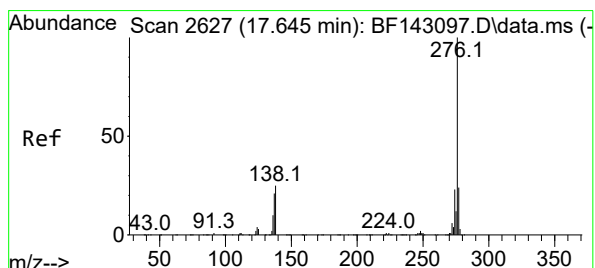
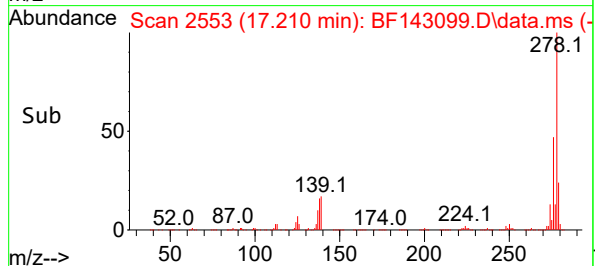
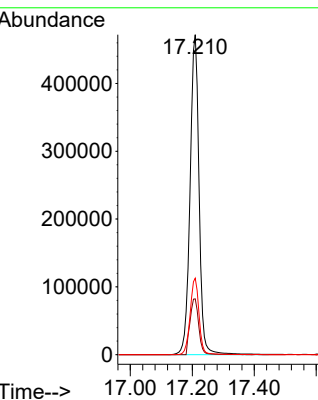
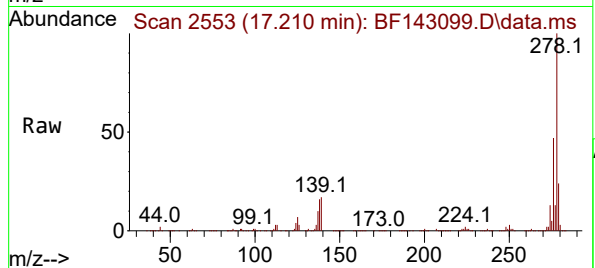
279 23.9 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#92

Benzo(g,h,i)perylene

Concen: 60.962 ng

RT: 17.657 min Scan# 2629

Delta R.T. 0.012 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

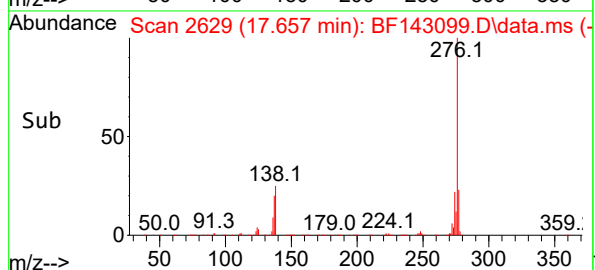
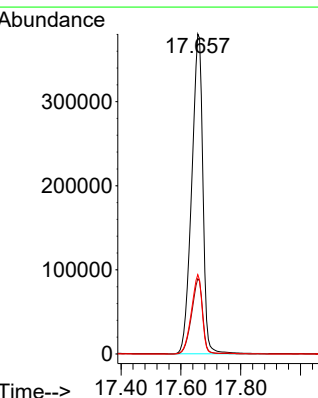
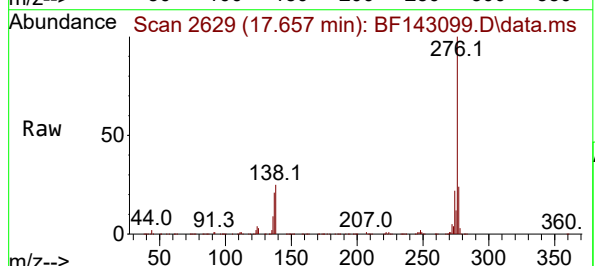
Tgt Ion:276 Resp: 982960

Ion Ratio Lower Upper

276 100

277 23.5 19.2 28.8

138 24.8 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143100.D
 Acq On : 15 Jul 2025 16:35
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:42:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	129576	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	487361	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	236260	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	362117	20.000	ng	0.00
76) Chrysene-d12	14.133	240	196411	20.000	ng	0.00
86) Perylene-d12	15.639	264	256691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	1189824	145.077	ng	0.00
7) Phenol-d6	6.593	99	1493965	144.917	ng	0.00
23) Nitrobenzene-d5	7.534	82	1441614	165.933	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	355830	168.911	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	2339151	131.609	ng	0.00
79) Terphenyl-d14	13.075	244	1779829	132.466	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.805	88	303852	74.427	ng	100
3) Pyridine	3.581	79	787323	76.158	ng	99
4) n-Nitrosodimethylamine	3.534	42	421072	78.614	ng	100
6) Aniline	6.634	93	1072162	73.855	ng	100
8) 2-Chlorophenol	6.757	128	628294	76.249	ng	99
9) Benzaldehyde	6.522	77	447861	57.014	ng	99
10) Phenol	6.610	94	820918m	73.558	ng	
11) bis(2-Chloroethyl)ether	6.704	93	626821	72.551	ng	98
12) 1,3-Dichlorobenzene	6.916	146	666489	71.595	ng	100
13) 1,4-Dichlorobenzene	6.987	146	669586	71.496	ng	99
14) 1,2-Dichlorobenzene	7.145	146	643168	72.014	ng	99
15) Benzyl Alcohol	7.104	79	586953	76.840	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.245	45	1125357	70.661	ng	98
17) 2-Methylphenol	7.216	107	536428	75.438	ng	99
18) Hexachloroethane	7.487	117	235713	77.313	ng	99
19) n-Nitroso-di-n-propyla...	7.393	70	464705	73.578	ng	98
20) 3+4-Methylphenols	7.369	107	616275	70.670	ng	95
22) Acetophenone	7.381	105	817243	69.563	ng	# 95
24) Nitrobenzene	7.551	77	676569	80.671	ng	99
25) Isophorone	7.798	82	1269015	75.573	ng	100
26) 2-Nitrophenol	7.863	139	287169	82.598	ng	98
27) 2,4-Dimethylphenol	7.898	122	582059	74.683	ng	98
28) bis(2-Chloroethoxy)met...	7.998	93	731977	71.885	ng	100
29) 2,4-Dichlorophenol	8.104	162	496027	77.795	ng	99
30) 1,2,4-Trichlorobenzene	8.192	180	520808	71.974	ng	98
31) Naphthalene	8.275	128	1711163	70.704	ng	100
32) Benzoic acid	8.022	122	336178	81.374	ng	99
33) 4-Chloroaniline	8.316	127	688999	70.795	ng	99
34) Hexachlorobutadiene	8.398	225	318274	73.546	ng	98
35) Caprolactam	8.698	113	161466	81.097	ng	94
36) 4-Chloro-3-methylphenol	8.792	107	539340	75.937	ng	97
37) 2-Methylnaphthalene	8.963	142	1021312	70.738	ng	99
38) 1-Methylnaphthalene	9.063	142	1047560	69.955	ng	100
40) 1,2,4,5-Tetrachloroben...	9.134	216	493246	71.639	ng	99
41) Hexachlorocyclopentadiene	9.128	237	324865	85.103	ng	98
43) 2,4,6-Trichlorophenol	9.239	196	355839	83.176	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143100.D
 Acq On : 15 Jul 2025 16:35
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:42:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

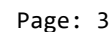
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	357298	79.651	ng	99
46) 1,1'-Biphenyl	9.428	154	1307947	69.419	ng	99
47) 2-Chloronaphthalene	9.457	162	990436	71.557	ng	99
48) 2-Nitroaniline	9.539	65	335875	79.074	ng	99
49) Acenaphthylene	9.875	152	1650097	71.544	ng	99
50) Dimethylphthalate	9.728	163	1104756	74.327	ng	100
51) 2,6-Dinitrotoluene	9.787	165	233478	77.660	ng	91
52) Acenaphthene	10.045	154	975285	71.657	ng	99
53) 3-Nitroaniline	9.951	138	279161	86.920	ng	99
54) 2,4-Dinitrophenol	10.057	184	91751	79.064	ng	# 1
55) Dibenzofuran	10.216	168	1432458	70.610	ng	100
56) 4-Nitrophenol	10.098	139	219224	85.886	ng	97
57) 2,4-Dinitrotoluene	10.186	165	302558	80.048	ng	99
58) Fluorene	10.557	166	1043990	68.640	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	291933	81.893	ng	99
60) Diethylphthalate	10.428	149	1067815	74.464	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	524910	72.005	ng	98
62) 4-Nitroaniline	10.569	138	244461	87.527	ng	97
63) Azobenzene	10.710	77	1141613	71.985	ng	98
65) 4,6-Dinitro-2-methylph...	10.598	198	125251	78.600	ng	96
66) n-Nitrosodiphenylamine	10.663	169	947890	74.520	ng	99
67) 4-Bromophenyl-phenylether	11.039	248	316619	76.885	ng	97
68) Hexachlorobenzene	11.110	284	333899	76.417	ng	96
69) Atrazine	11.186	200	266668	81.943	ng	97
70) Pentachlorophenol	11.292	266	210729	87.905	ng	99
71) Phenanthrene	11.522	178	1401500	71.714	ng	99
72) Anthracene	11.569	178	1423259	72.421	ng	99
73) Carbazole	11.716	167	1264053	71.796	ng	100
74) Di-n-butylphthalate	12.051	149	1299711	80.422	ng	100
75) Fluoranthene	12.704	202	1258479	70.821	ng	99
77) Benzidine	12.816	184	403599	60.315	ng	99
78) Pyrene	12.933	202	1244953	68.315	ng	99
80) Butylbenzylphthalate	13.551	149	301525	79.914	ng	99
81) Benzo(a)anthracene	14.122	228	979909	74.870	ng	99
82) 3,3'-Dichlorobenzidine	14.080	252	296061	77.896	ng	99
83) Chrysene	14.157	228	913035	75.743	ng	98
84) Bis(2-ethylhexyl)phtha...	14.110	149	458210	80.495	ng	99
85) Di-n-octyl phthalate	14.727	149	916748	82.209	ng	98
87) Indeno(1,2,3-cd)pyrene	17.192	276	1509813	79.082	ng	98
88) Benzo(b)fluoranthene	15.198	252	1115815	75.360	ng	99
89) Benzo(k)fluoranthene	15.227	252	1083939	76.736	ng	99
90) Benzo(a)pyrene	15.580	252	1107280	79.071	ng	99
91) Dibenzo(a,h)anthracene	17.215	278	1209971	77.528	ng	98
92) Benzo(g,h,i)perylene	17.668	276	1246206	78.321	ng	98

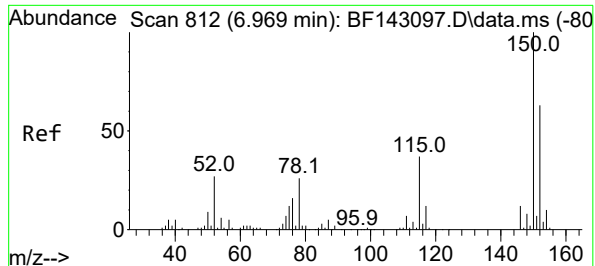
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

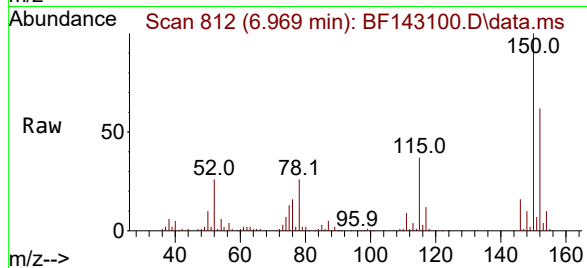
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jaagrut Upadhyay 07/16/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

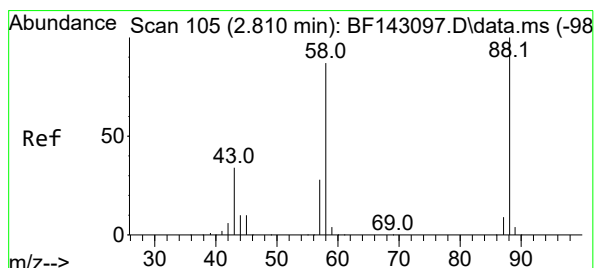
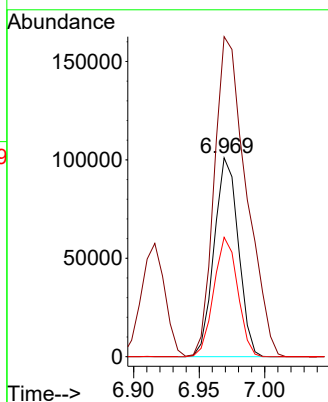
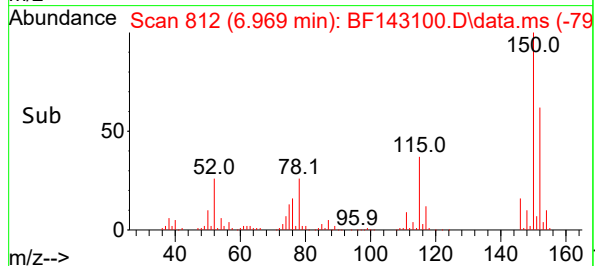
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:152 Resp: 129570
Ion Ratio Lower Upper
152 100
150 160.9 126.5 189.7
115 60.0 47.0 70.6

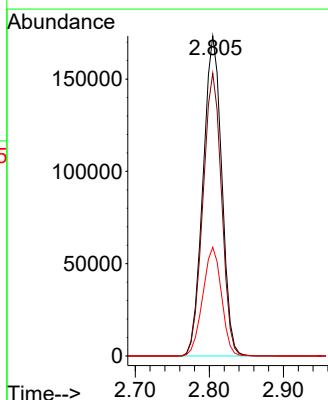
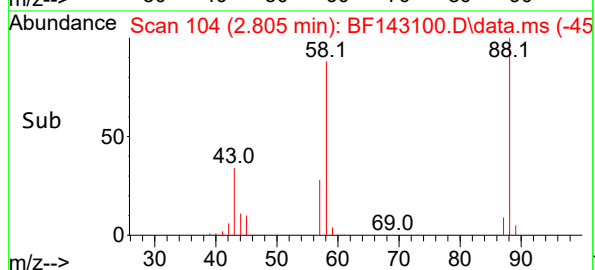
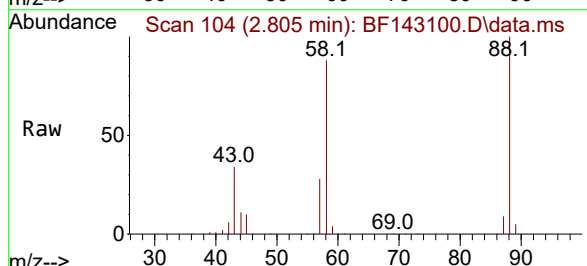
Manual Integrations
APPROVED

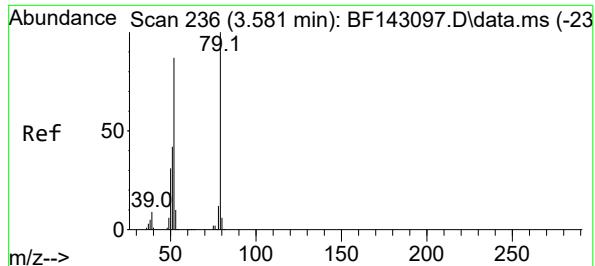
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#2
1,4-Dioxane
Concen: 74.427 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 88 Resp: 303852
Ion Ratio Lower Upper
88 100
58 87.8 70.5 105.7
43 33.9 27.3 40.9





#3

Pyridine

Concen: 76.158 ng

RT: 3.581 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 78732

Ion Ratio Lower Upper

79 100

52 84.9 69.2 103.8

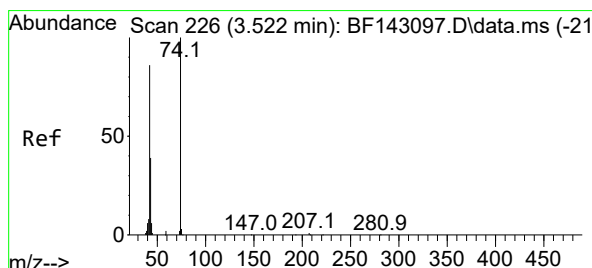
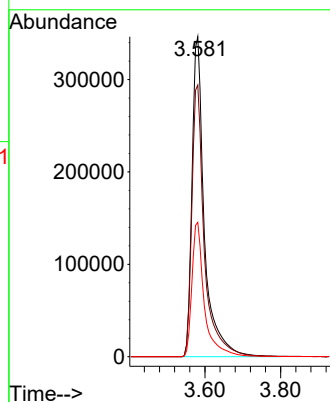
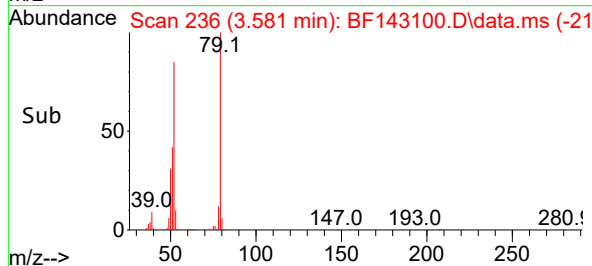
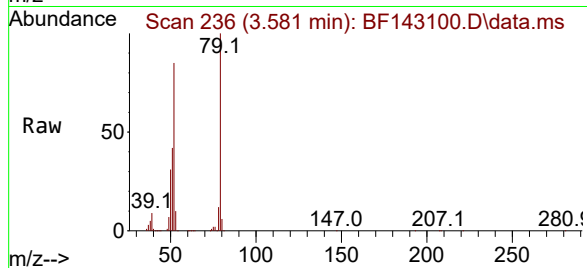
51 42.0 33.3 49.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#4

n-Nitrosodimethylamine

Concen: 78.614 ng

RT: 3.534 min Scan# 228

Delta R.T. 0.012 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

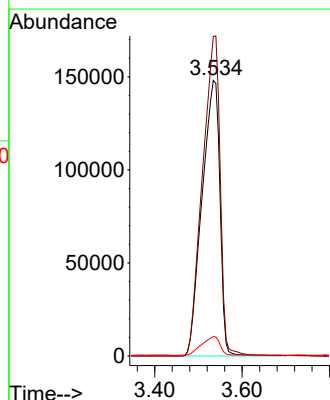
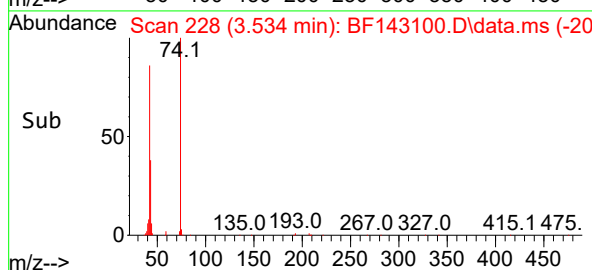
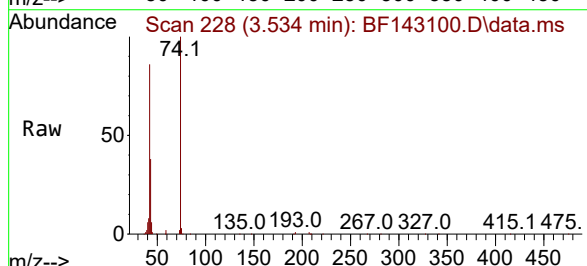
Tgt Ion: 42 Resp: 421072

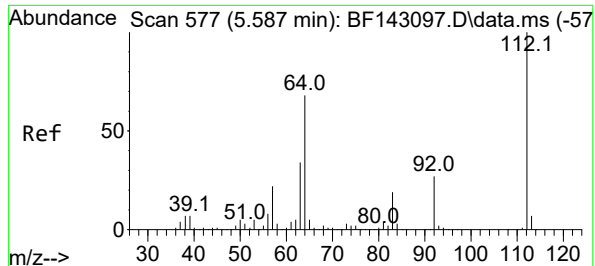
Ion Ratio Lower Upper

42 100

74 115.9 92.8 139.2

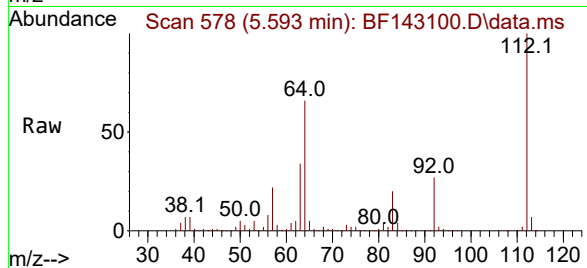
44 7.0 5.8 8.6





#5
2-Fluorophenol
Concen: 145.077 ng
RT: 5.593 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

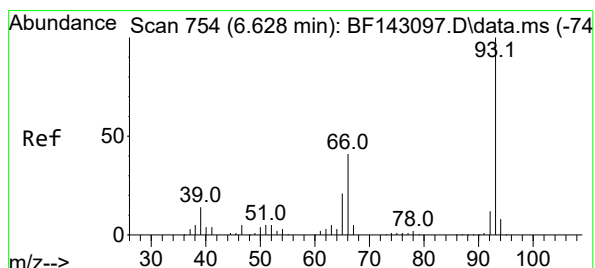
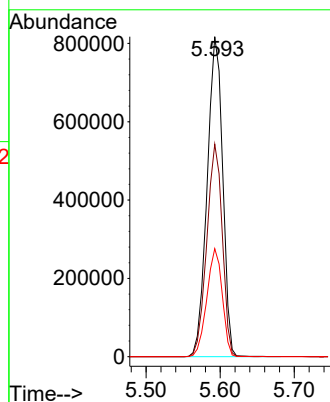
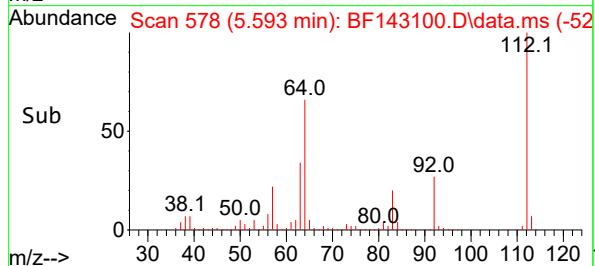
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:112 Resp: 1189824
Ion Ratio Lower Upper
112 100
64 66.4 54.6 82.0
63 33.7 27.3 40.9

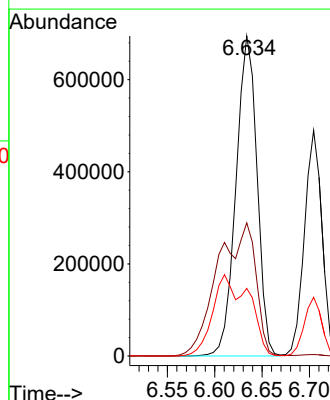
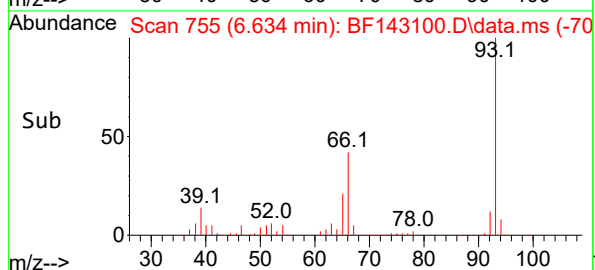
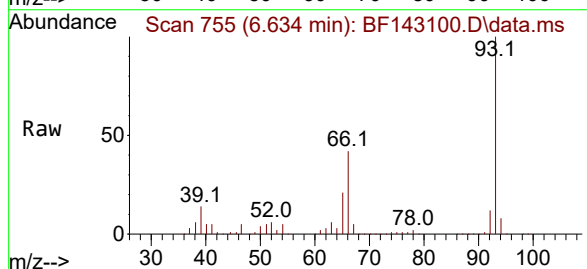
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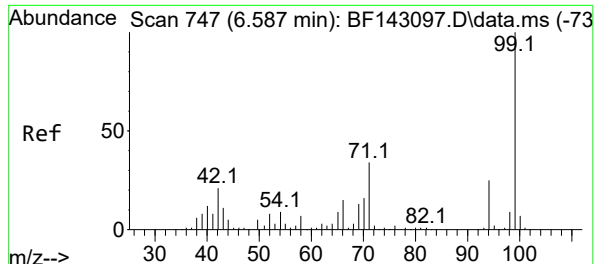
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#6
Aniline
Concen: 73.855 ng
RT: 6.634 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 93 Resp: 1072162
Ion Ratio Lower Upper
93 100
66 41.6 33.1 49.7
65 21.1 16.9 25.3





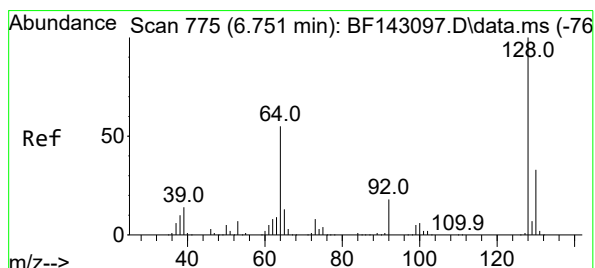
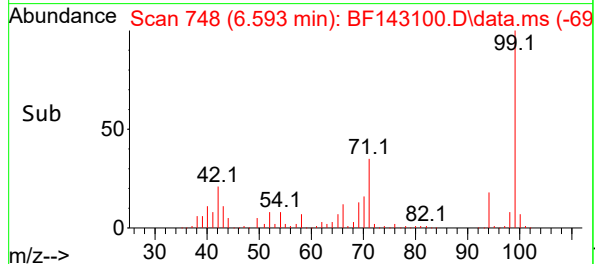
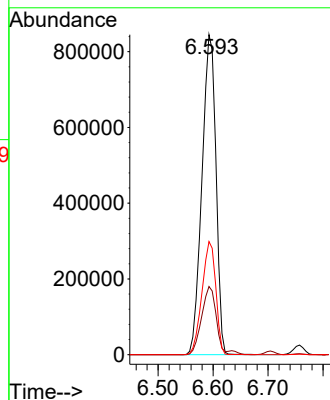
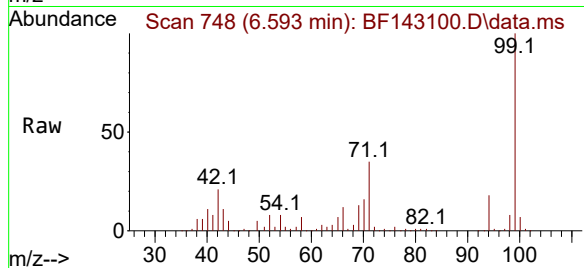
#7
Phenol-d6
Concen: 144.917 ng
RT: 6.593 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 149396
Ion Ratio Lower Upper
99 100
42 21.3 17.2 25.8
71 35.4 27.4 41.0

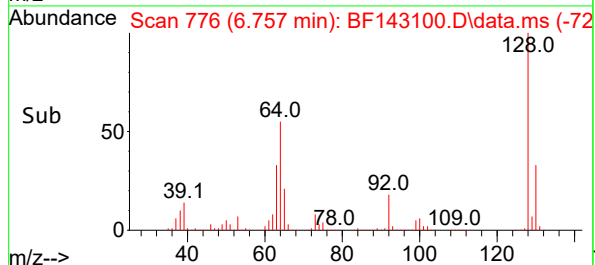
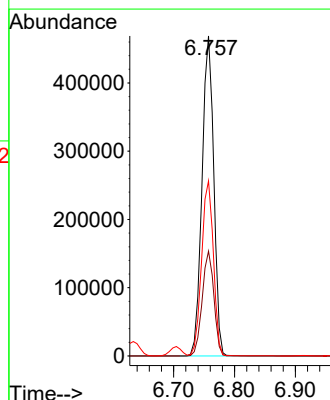
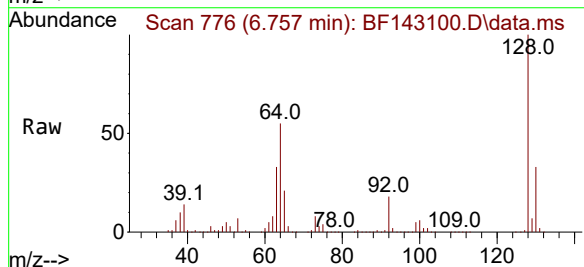
Manual Integrations
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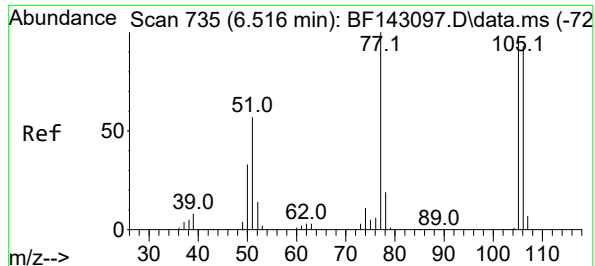
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#8
2-Chlorophenol
Concen: 76.249 ng
RT: 6.757 min Scan# 776
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

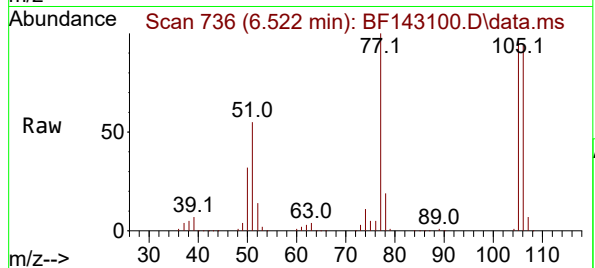
Tgt Ion:128 Resp: 628294
Ion Ratio Lower Upper
128 100
130 32.7 12.8 52.8
64 54.7 36.1 76.1





#9
Benzaldehyde
Concen: 57.014 ng
RT: 6.522 min Scan# 710
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

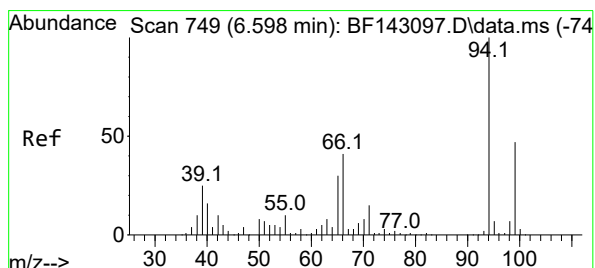
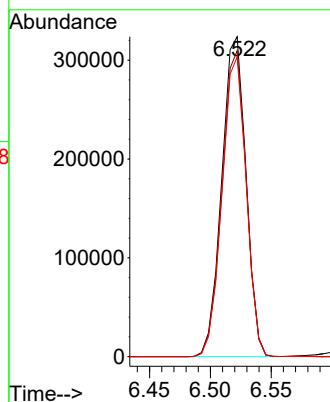
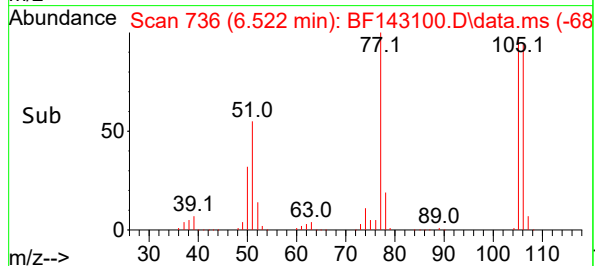
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 44786
Ion Ratio Lower Upper
77 100
105 95.6 76.3 116.3
106 93.6 72.8 112.8

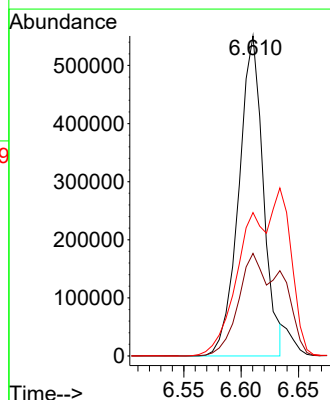
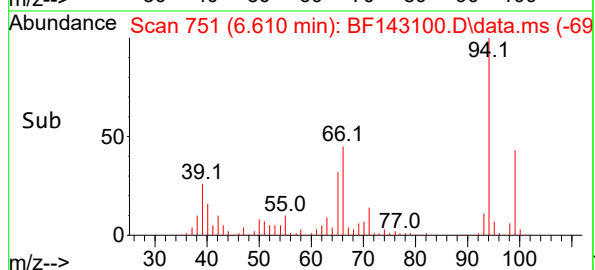
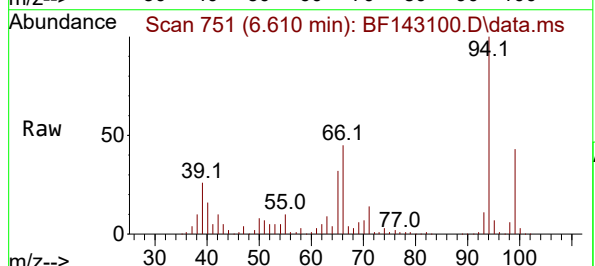
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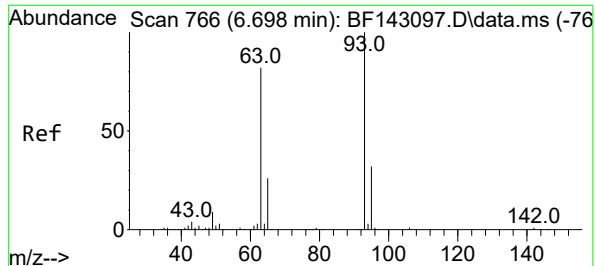
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#10
Phenol
Concen: 73.558 ng m
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 94 Resp: 820918
Ion Ratio Lower Upper
94 100
65 32.1 9.8 49.8
66 44.8 20.5 60.5





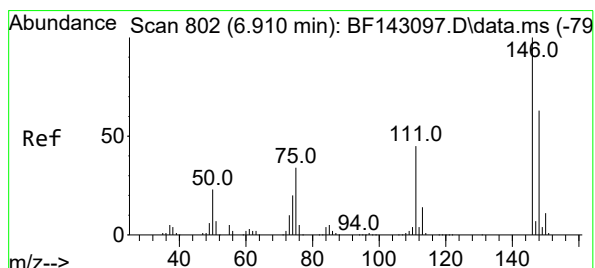
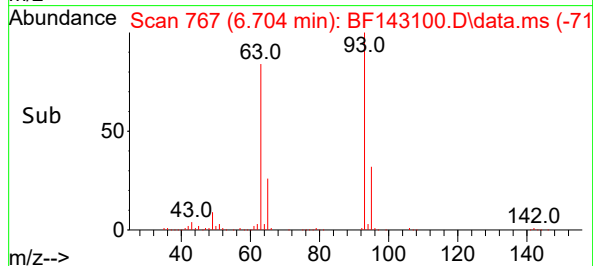
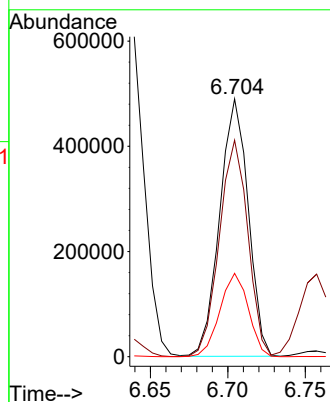
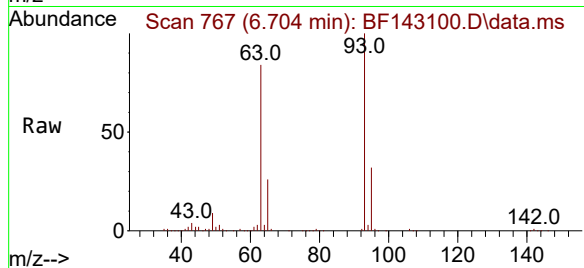
#11
bis(2-Chloroethyl)ether
Concen: 72.551 ng
RT: 6.704 min Scan# 70
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 62682
Ion Ratio Lower Upper
93 100
63 84.0 61.9 101.9
95 32.3 12.2 52.2

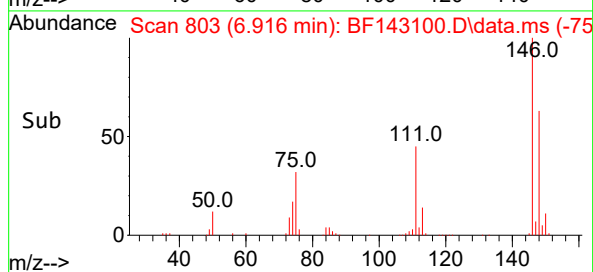
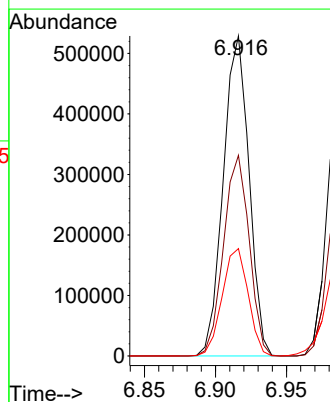
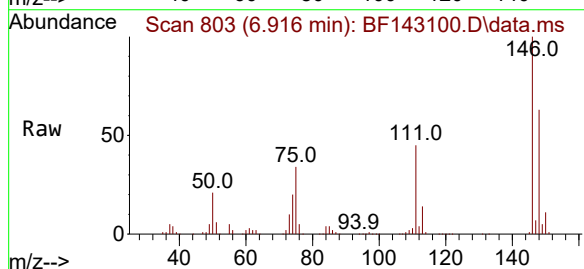
Manual Integrations
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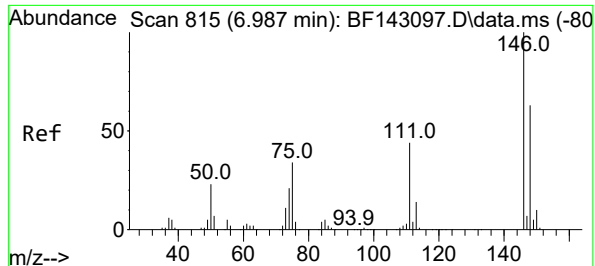
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#12
1,3-Dichlorobenzene
Concen: 71.595 ng
RT: 6.916 min Scan# 803
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:146 Resp: 666489
Ion Ratio Lower Upper
146 100
148 62.7 50.1 75.1
75 33.5 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 71.496 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 669580

Ion Ratio Lower Upper

146 100

148 63.0 50.6 76.0

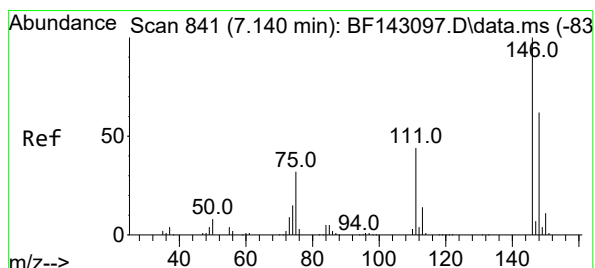
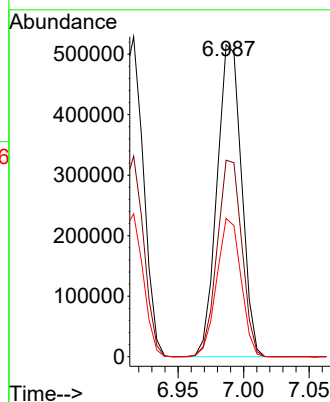
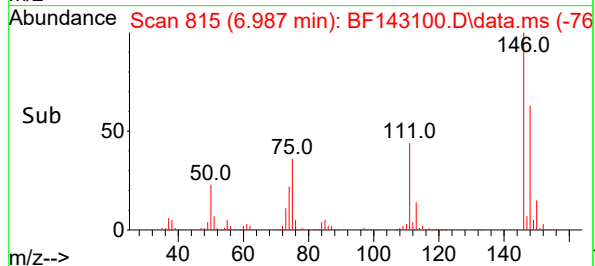
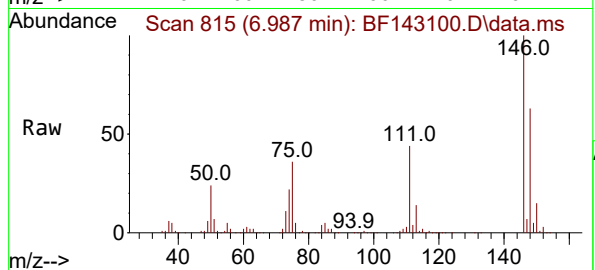
111 44.3 35.0 52.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#14

1,2-Dichlorobenzene

Concen: 72.014 ng

RT: 7.145 min Scan# 842

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

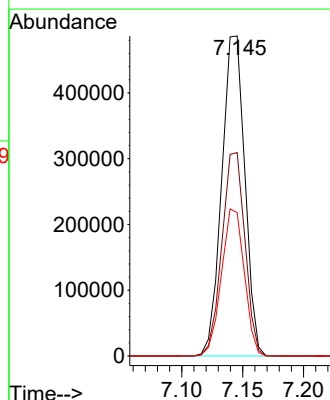
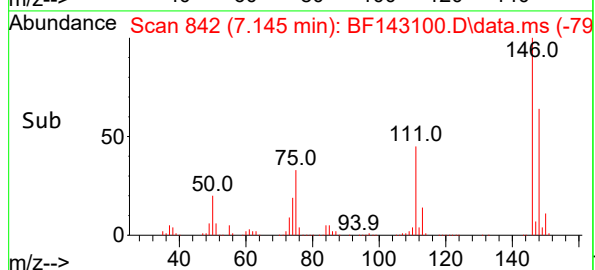
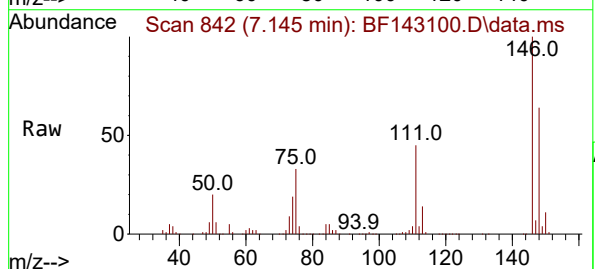
Tgt Ion:146 Resp: 643168

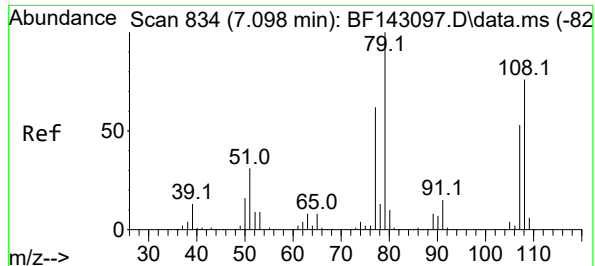
Ion Ratio Lower Upper

146 100

148 63.6 49.8 74.6

111 44.8 35.4 53.0





#15

Benzyl Alcohol

Concen: 76.840 ng

RT: 7.104 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 58695

Ion Ratio Lower Upper

79 100

108 74.6 61.1 91.7

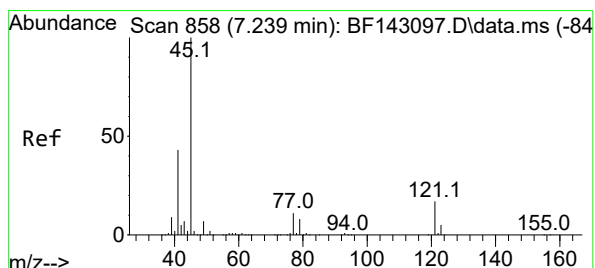
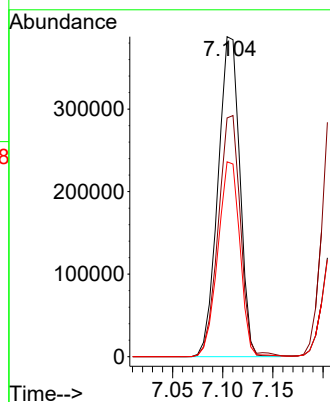
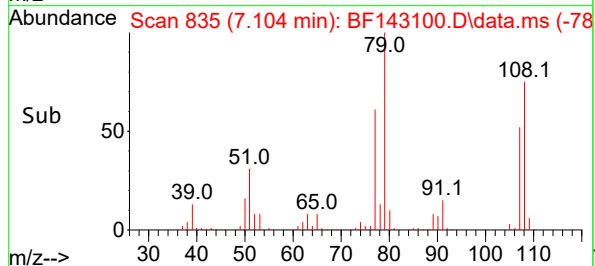
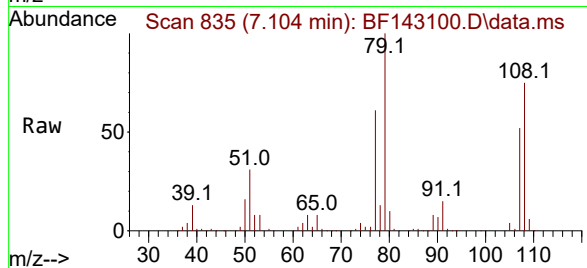
77 60.9 49.9 74.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 70.661 ng

RT: 7.245 min Scan# 859

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

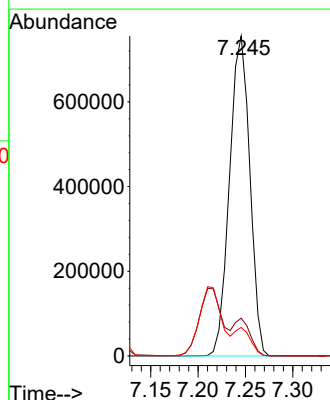
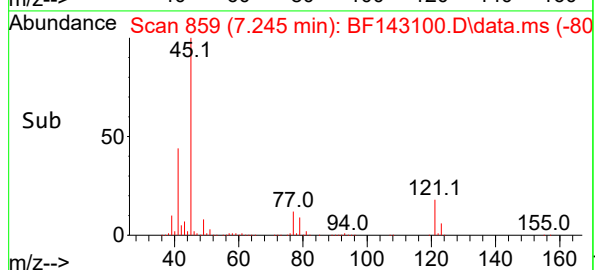
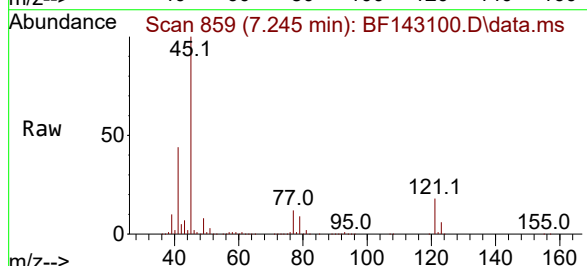
Tgt Ion: 45 Resp: 1125357

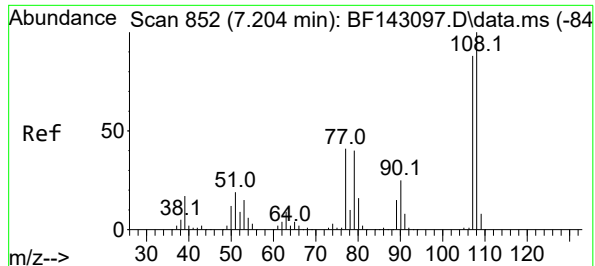
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.1

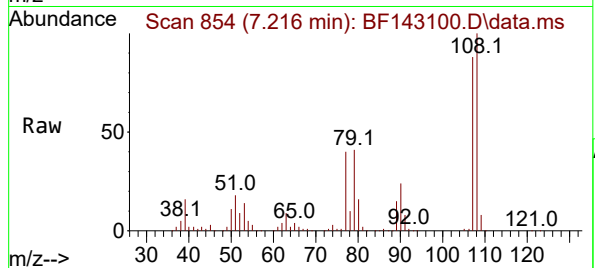
79 8.9 0.0 28.4





#17
2-Methylphenol
Concen: 75.438 ng
RT: 7.216 min Scan# 852
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

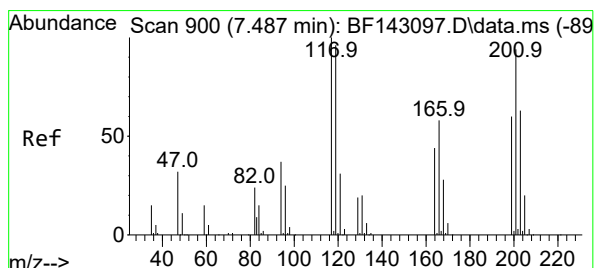
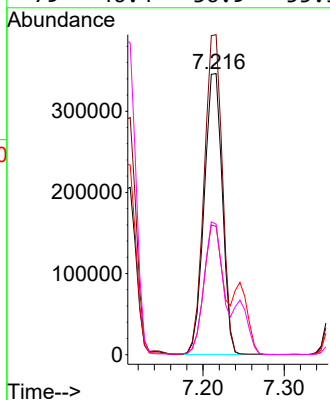
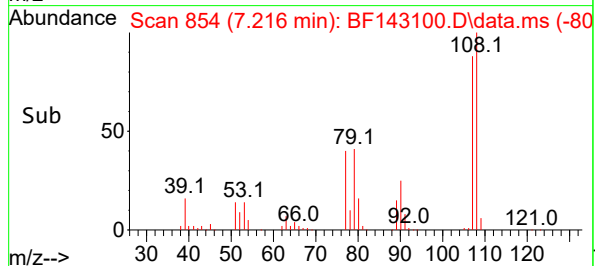
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:107 Resp: 536428
Ion Ratio Lower Upper
107 100
108 113.8 90.9 136.3
77 45.6 37.5 56.3
79 46.4 36.9 55.3

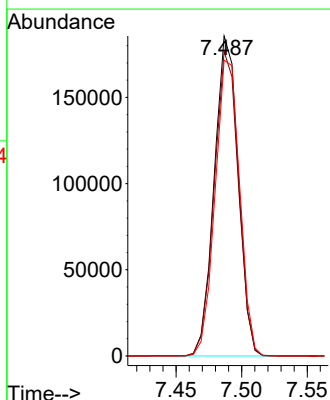
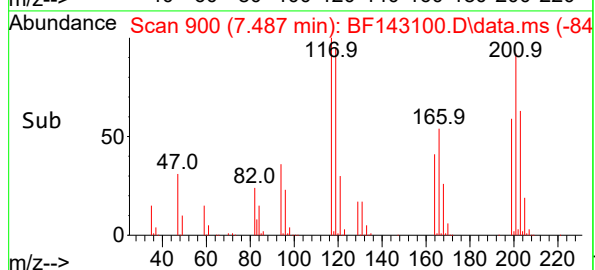
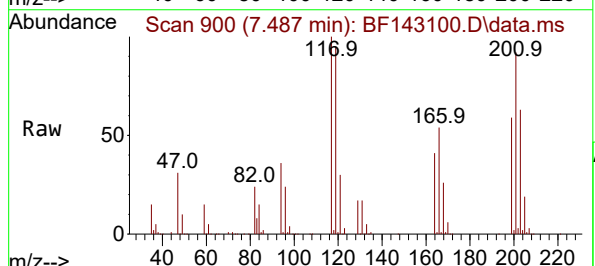
Manual Integrations
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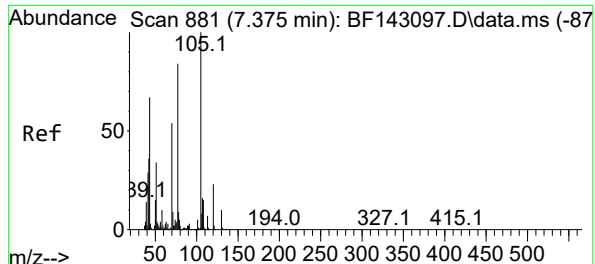
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#18
Hexachloroethane
Concen: 77.313 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:117 Resp: 235713
Ion Ratio Lower Upper
117 100
119 95.2 76.7 115.1
201 92.5 75.0 112.4





#19

n-Nitroso-di-n-propylamine

Concen: 73.578 ng

RT: 7.393 min Scan# 881

Delta R.T. 0.018 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 46470

Ion Ratio Lower Upper

70 100

42 64.5 53.2 79.8

101 9.6 7.5 11.3

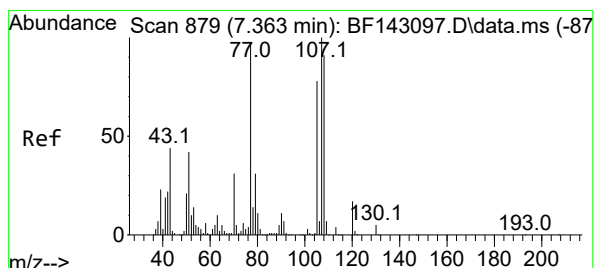
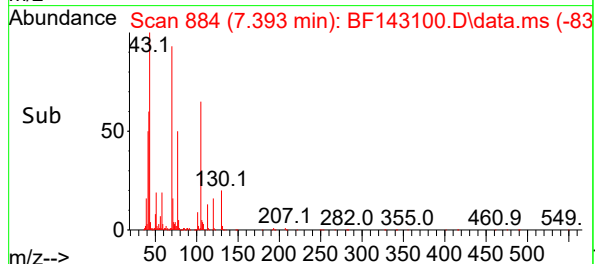
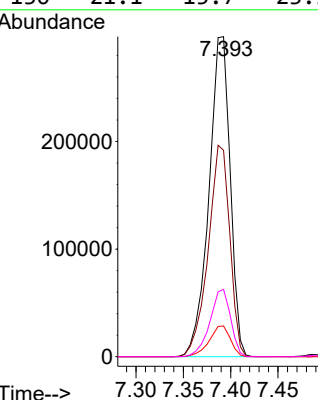
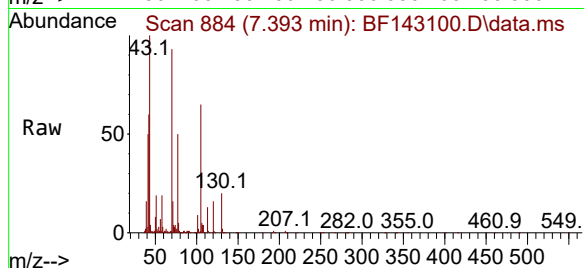
130 21.1 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#20

3+4-Methylphenols

Concen: 70.670 ng

RT: 7.369 min Scan# 880

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Tgt Ion:107 Resp: 616275

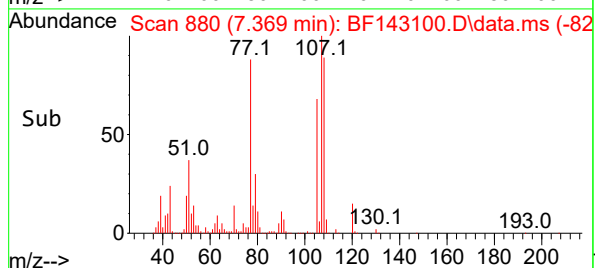
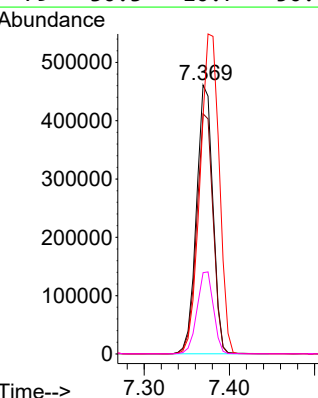
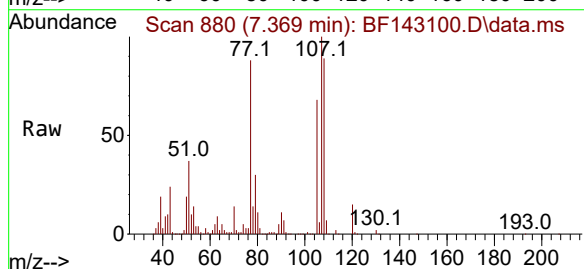
Ion Ratio Lower Upper

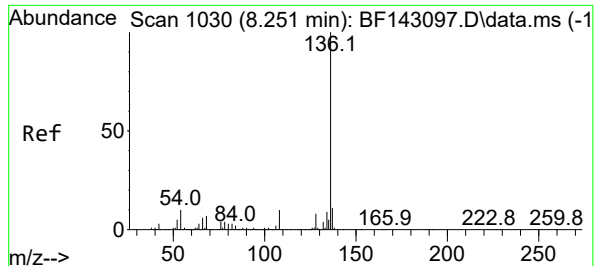
107 100

108 89.3 71.3 111.3

77 88.3 77.2 117.2

79 30.3 10.7 50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.251 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:136 Resp: 48736

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 10.3 8.3 12.5

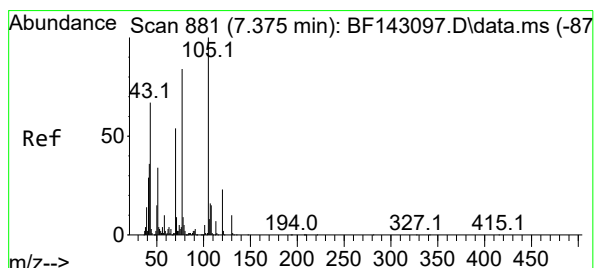
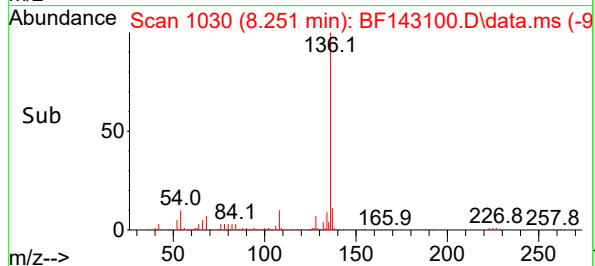
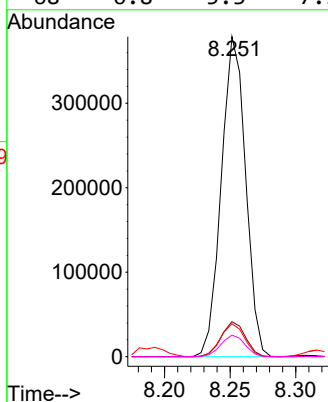
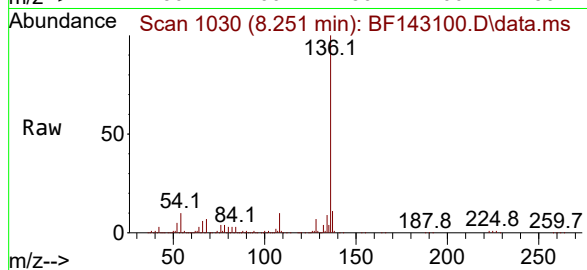
68 6.8 5.3 7.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#22

Acetophenone

Concen: 69.563 ng

RT: 7.381 min Scan# 882

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Tgt Ion:105 Resp: 817243

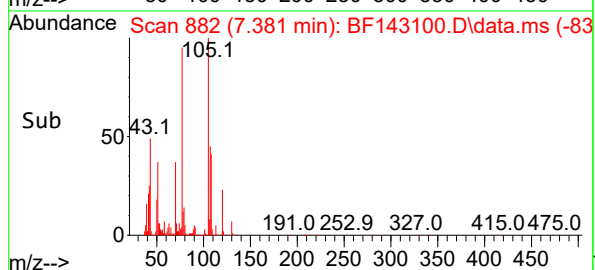
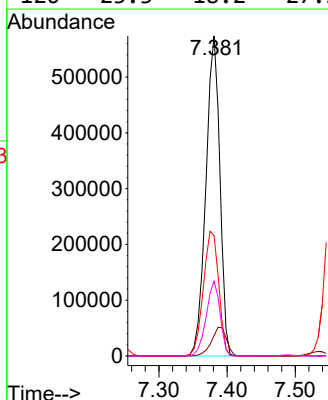
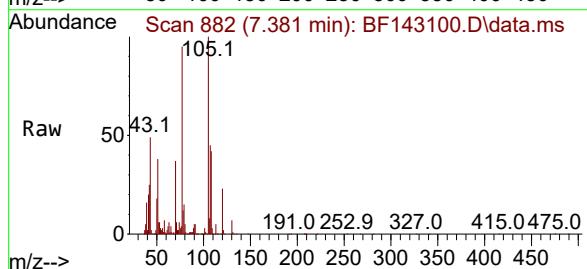
Ion Ratio Lower Upper

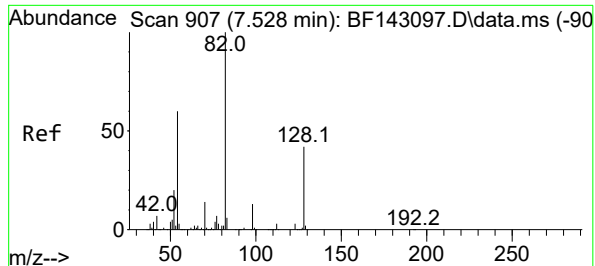
105 100

71 6.4 7.2 10.8#

51 37.7 27.0 40.4

120 23.3 18.2 27.2





#23

Nitrobenzene-d5

Concen: 165.933 ng

RT: 7.534 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1441614

Ion Ratio Lower Upper

82 100

128 41.5 33.3 49.9

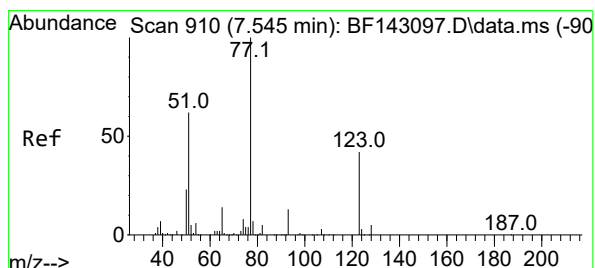
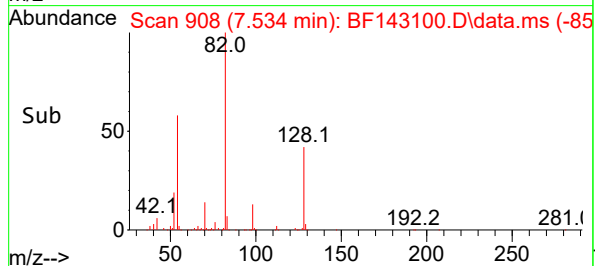
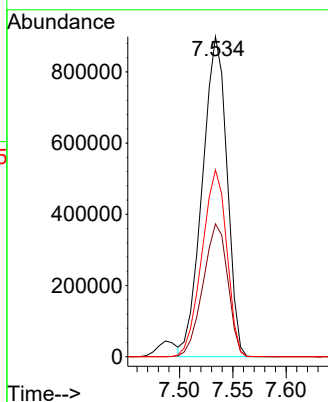
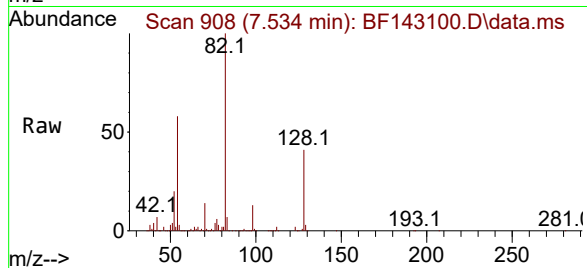
54 58.4 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#24

Nitrobenzene

Concen: 80.671 ng

RT: 7.551 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

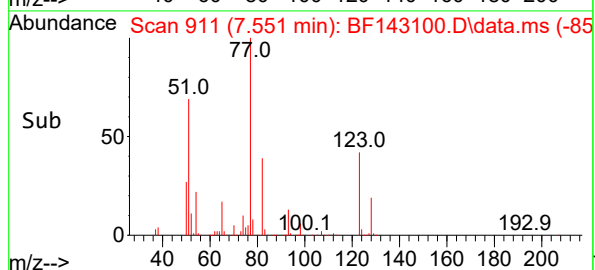
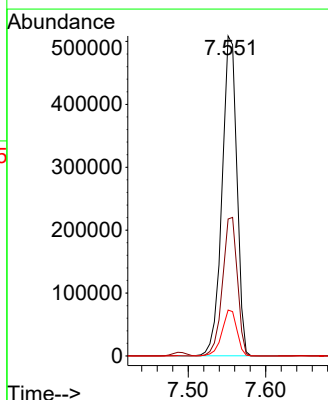
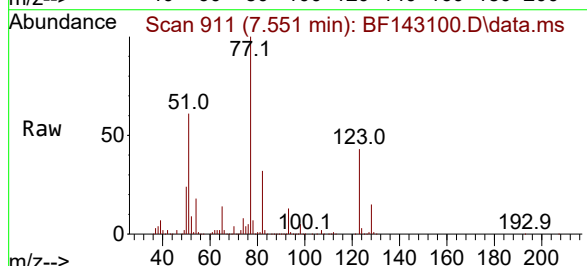
Tgt Ion: 77 Resp: 676569

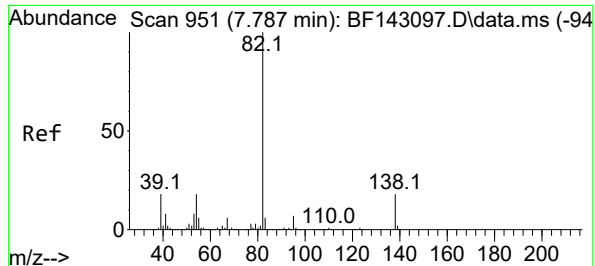
Ion Ratio Lower Upper

77 100

123 42.8 34.5 51.7

65 14.3 11.3 16.9





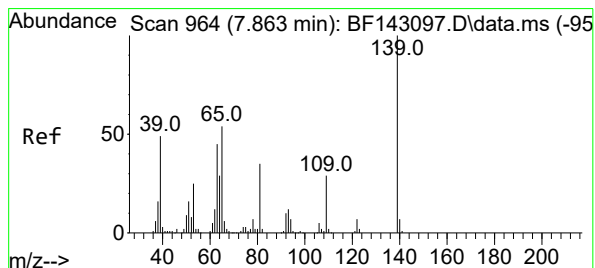
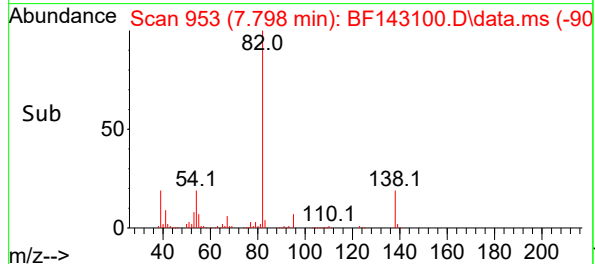
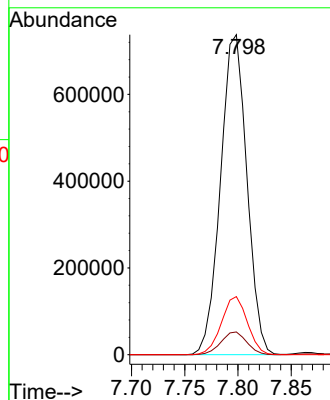
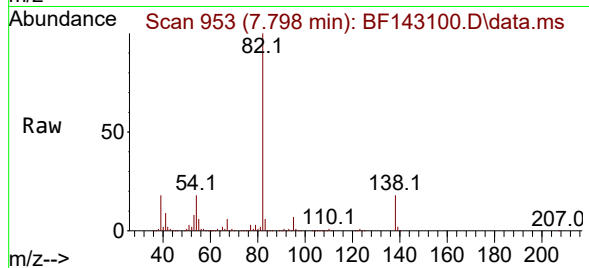
#25
Isophorone
Concen: 75.573 ng
RT: 7.798 min Scan# 951
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 126901
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 18.2 14.3 21.5

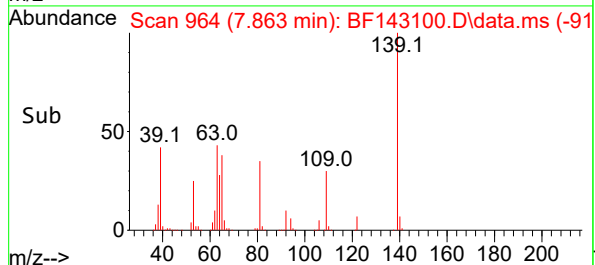
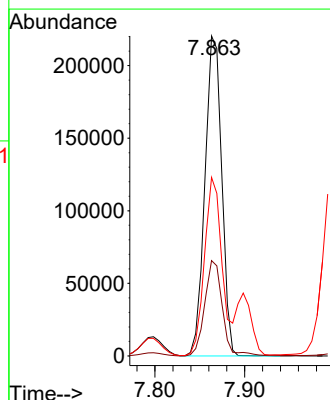
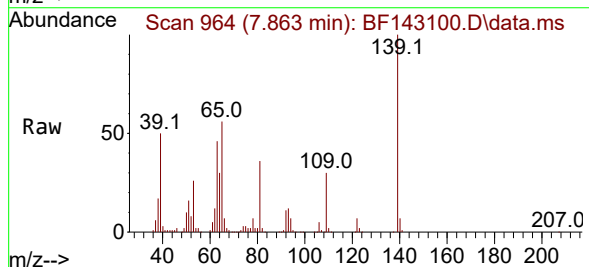
Manual Integrations
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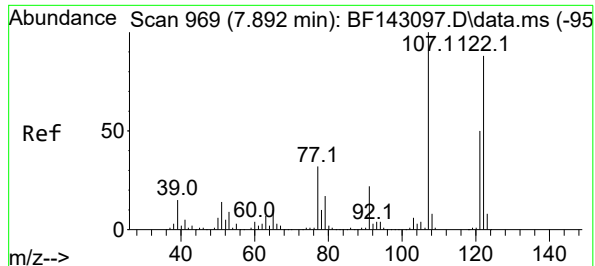
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#26
2-Nitrophenol
Concen: 82.598 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:139 Resp: 287169
Ion Ratio Lower Upper
139 100
109 29.8 23.4 35.0
65 55.8 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 74.683 ng

RT: 7.898 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 582059

Ion Ratio Lower Upper

122 100

107 116.8 91.3 136.9

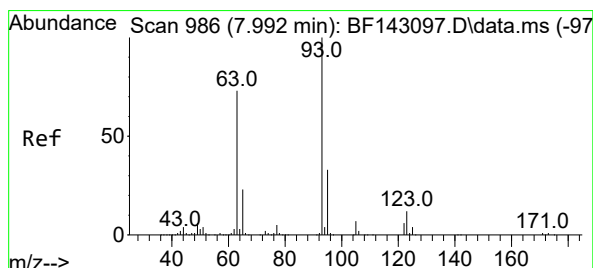
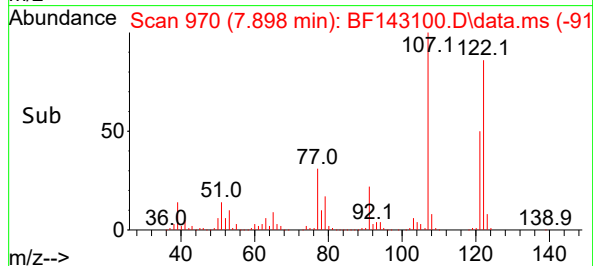
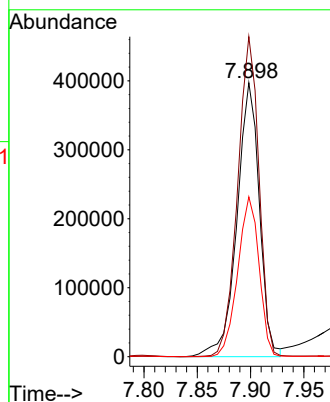
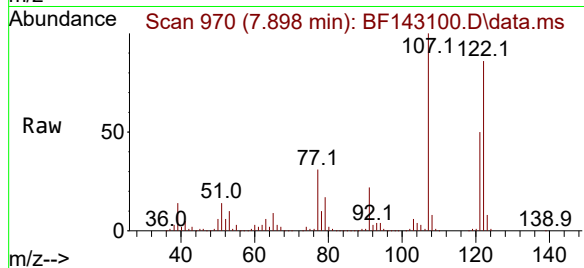
121 58.4 45.5 68.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#28

bis(2-Chloroethoxy)methane

Concen: 71.885 ng

RT: 7.998 min Scan# 987

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

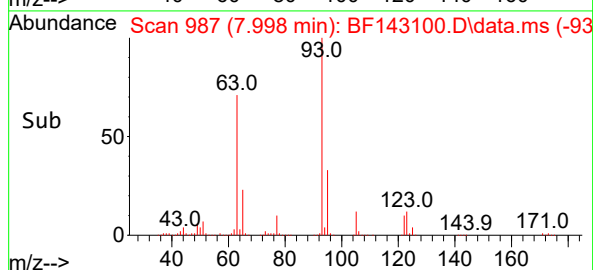
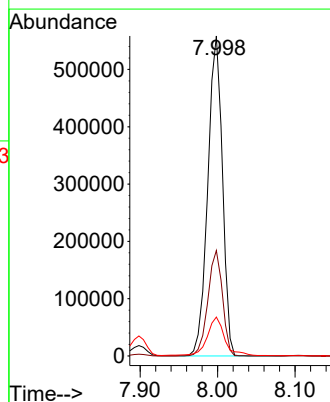
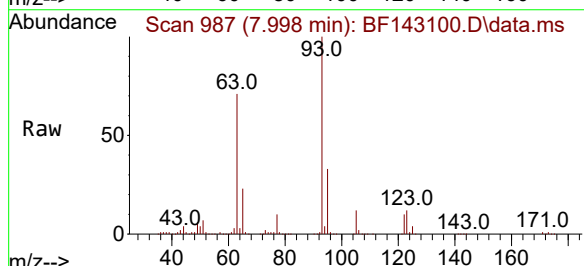
Tgt Ion: 93 Resp: 731977

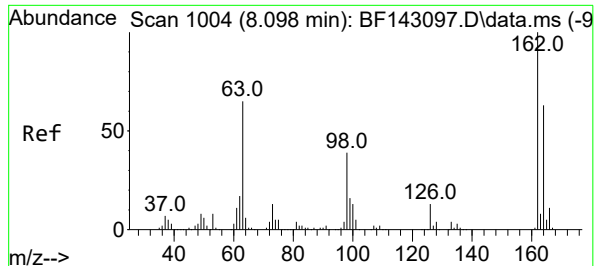
Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.4

123 12.1 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 77.795 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

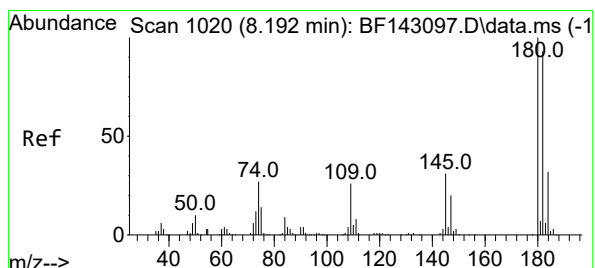
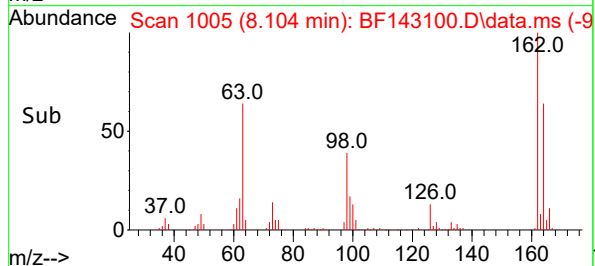
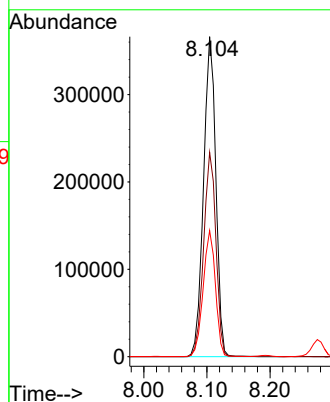
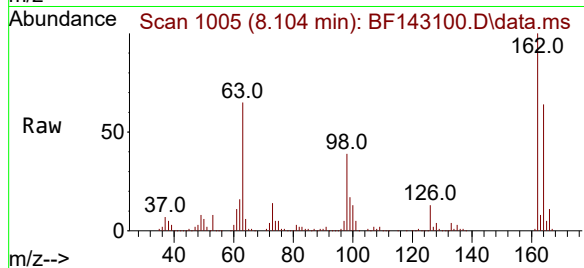
Tgt Ion:	162	Resp:	49602
Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.1	83.1
98	39.4	19.2	59.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#30

1,2,4-Trichlorobenzene

Concen: 71.974 ng

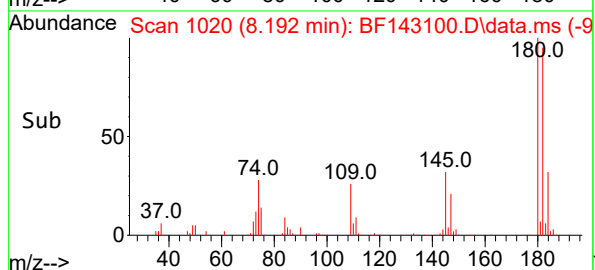
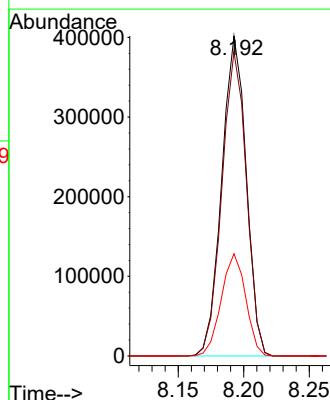
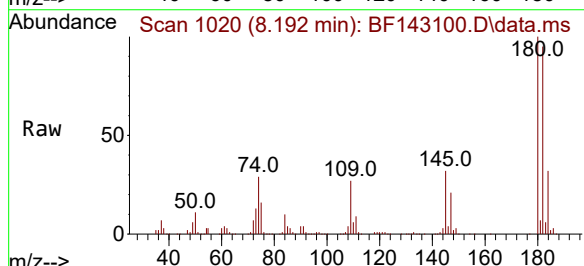
RT: 8.192 min Scan# 1020

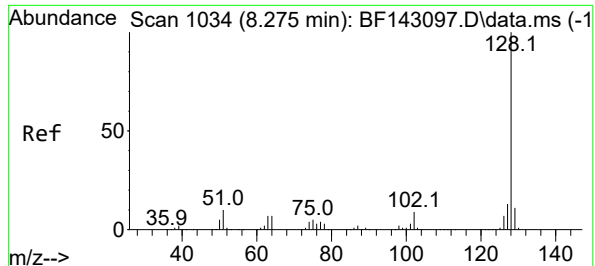
Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

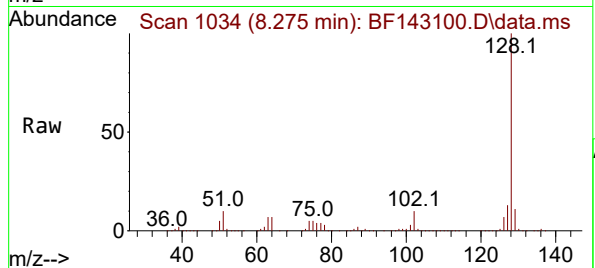
Tgt Ion:	180	Resp:	520808
Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.7	112.1
145	32.0	24.5	36.7





#31
Naphthalene
Concen: 70.704 ng
RT: 8.275 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

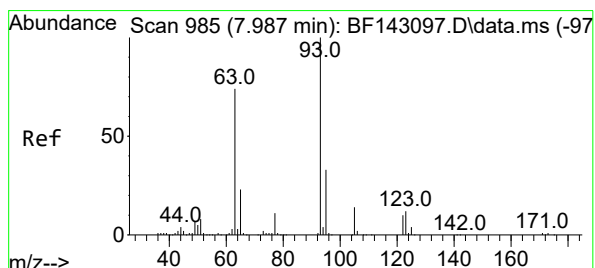
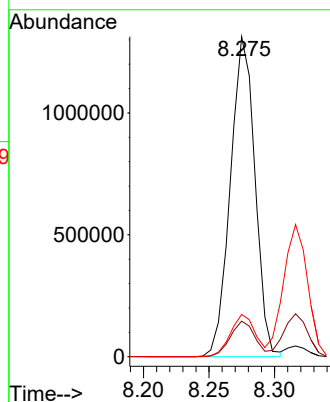
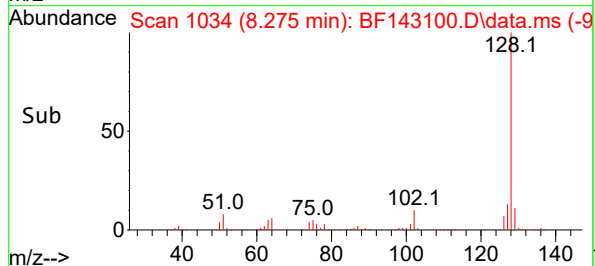
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:128 Resp: 171116
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.5 15.7

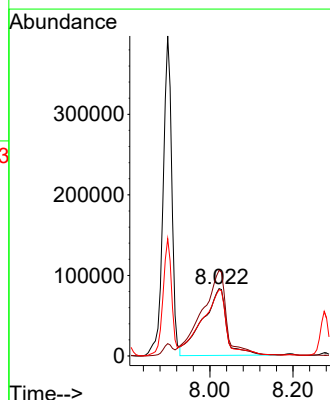
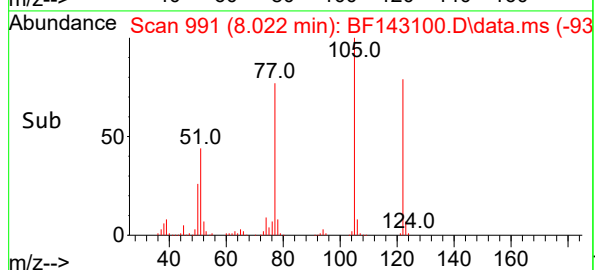
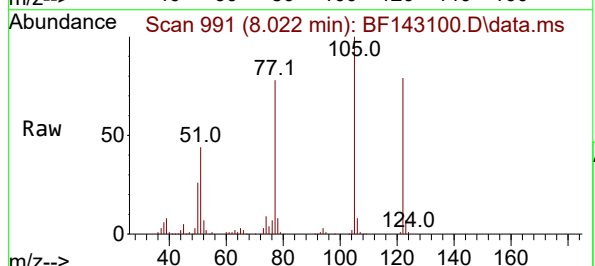
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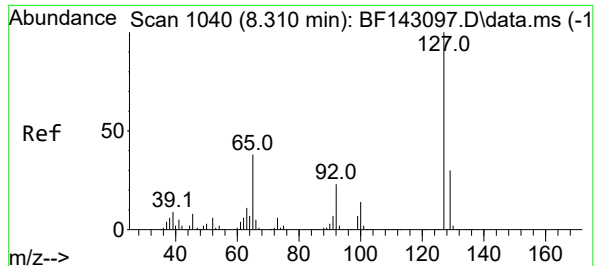
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#32
Benzoic acid
Concen: 81.374 ng
RT: 8.022 min Scan# 991
Delta R.T. 0.035 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:122 Resp: 336178
Ion Ratio Lower Upper
122 100
105 127.0 105.4 145.4
77 98.6 78.6 118.6





#33

4-Chloroaniline

Concen: 70.795 ng

RT: 8.316 min Scan# 1040

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:127 Resp: 688999

Ion Ratio Lower Upper

127 100

129 32.5 26.2 39.4

65 35.0 28.6 42.8

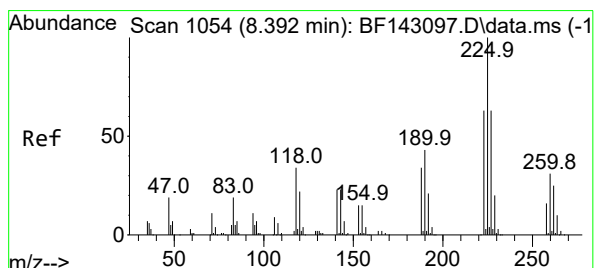
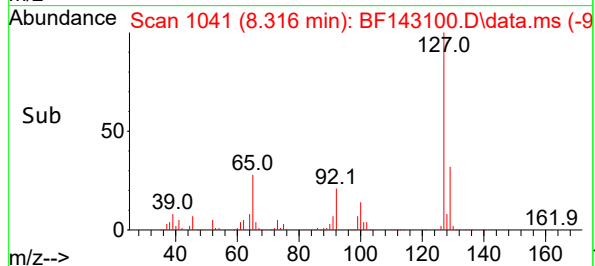
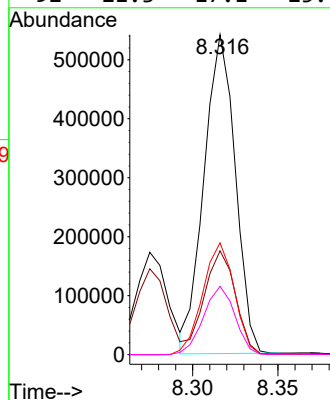
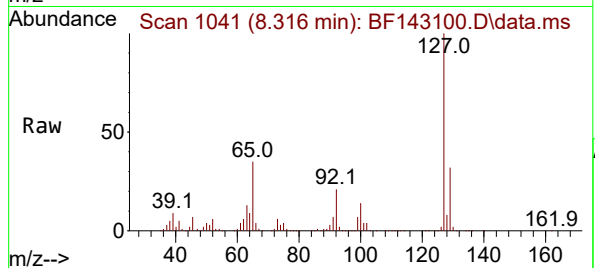
92 21.3 17.1 25.7

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#34

Hexachlorobutadiene

Concen: 73.546 ng

RT: 8.398 min Scan# 1055

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

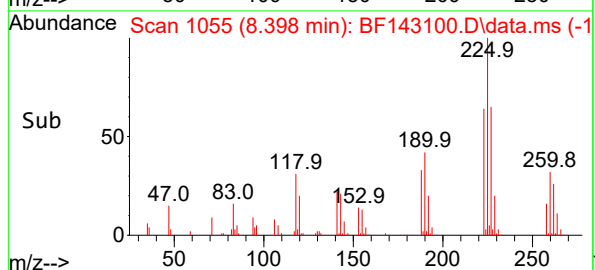
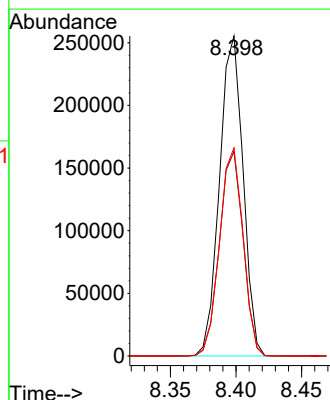
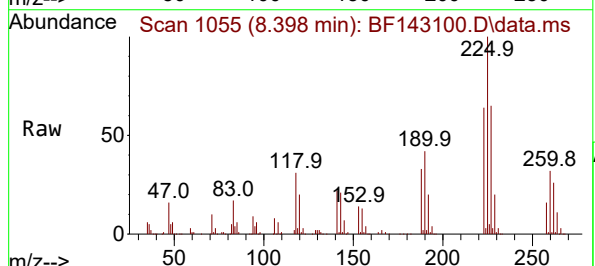
Tgt Ion:225 Resp: 318274

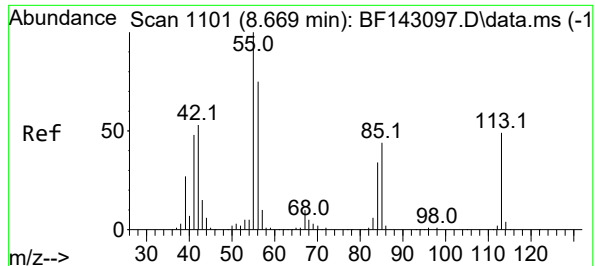
Ion Ratio Lower Upper

225 100

223 63.9 50.3 75.5

227 65.0 50.1 75.1





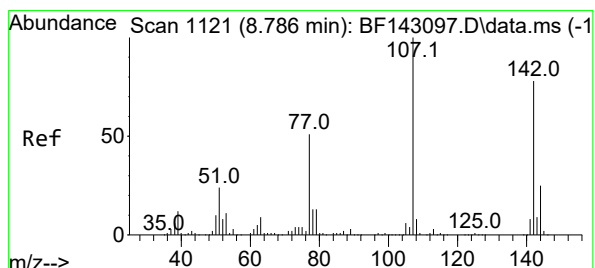
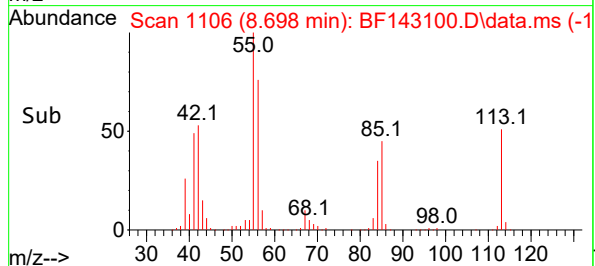
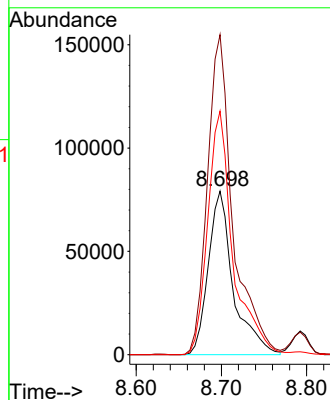
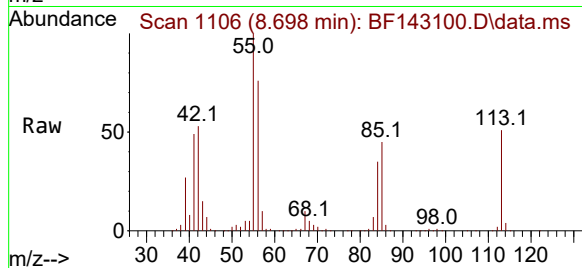
#35
Caprolactam
Concen: 81.097 ng
RT: 8.698 min Scan# 1101
Delta R.T. 0.030 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 161460
Ion Ratio Lower Upper
113 100
55 195.6 186.2 226.2
56 148.8 134.1 174.1

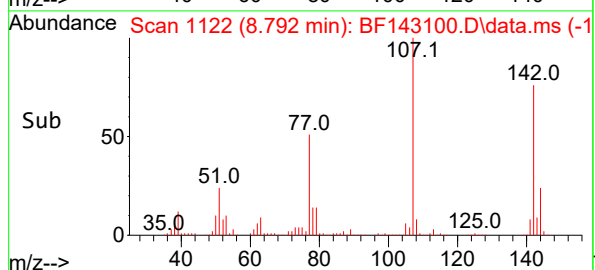
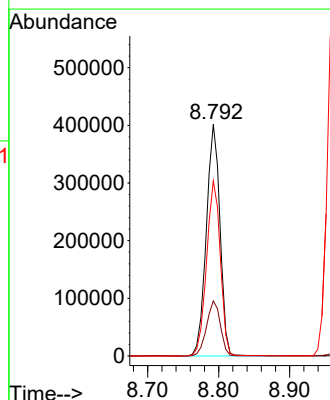
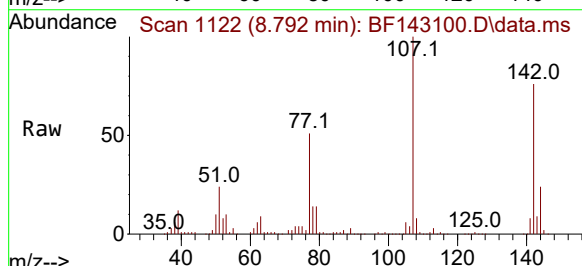
Manual Integrations
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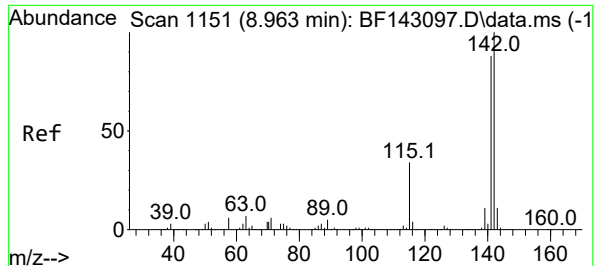
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#36
4-Chloro-3-methylphenol
Concen: 75.937 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

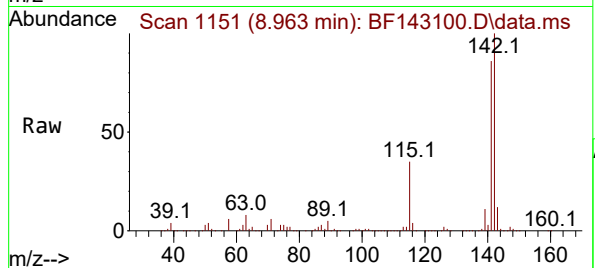
Tgt Ion:107 Resp: 539340
Ion Ratio Lower Upper
107 100
144 23.8 20.2 30.2
142 75.5 62.4 93.6





#37
2-Methylnaphthalene
Concen: 70.738 ng
RT: 8.963 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

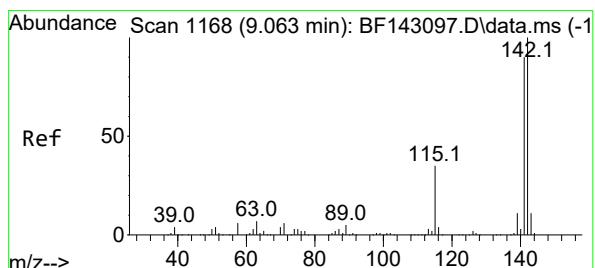
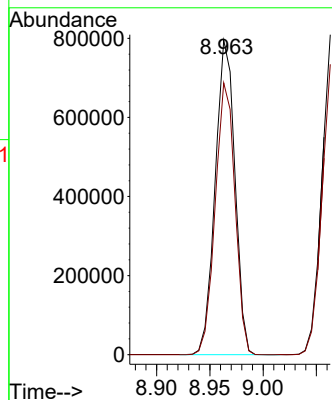
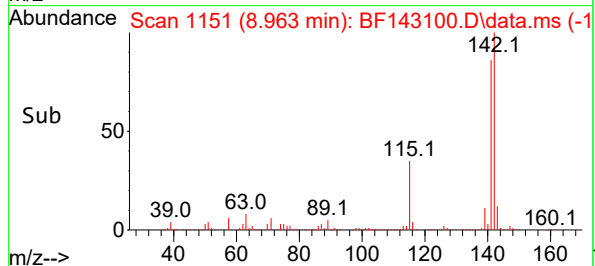
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:142 Resp: 1021312
Ion Ratio Lower Upper
142 100
141 86.4 70.2 105.2

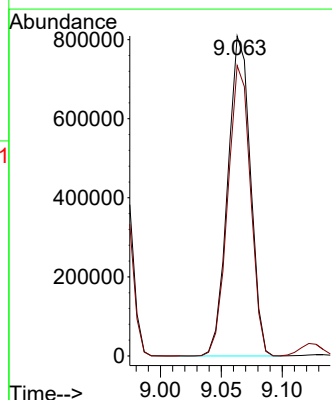
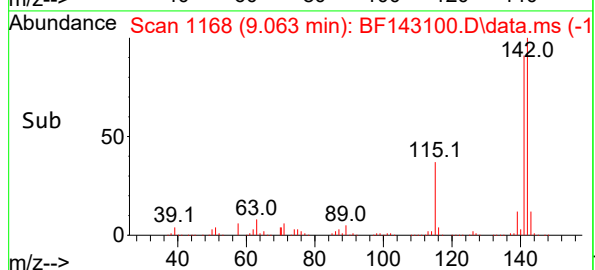
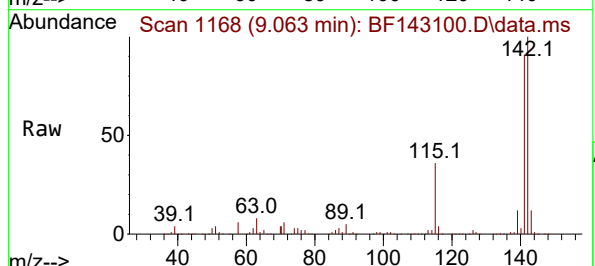
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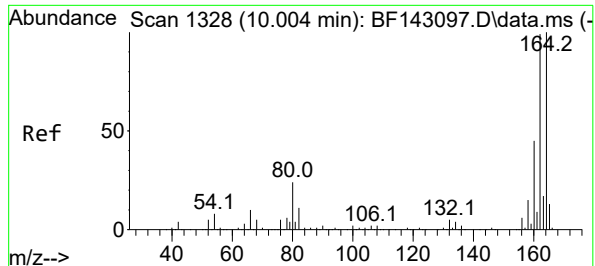
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#38
1-Methylnaphthalene
Concen: 69.955 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:142 Resp: 1047560
Ion Ratio Lower Upper
142 100
141 90.7 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:164 Resp: 236260

Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.6

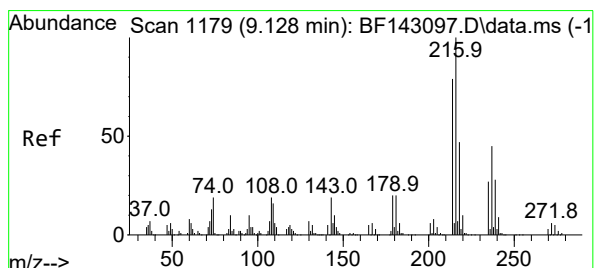
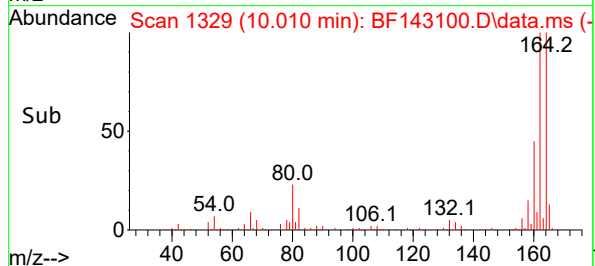
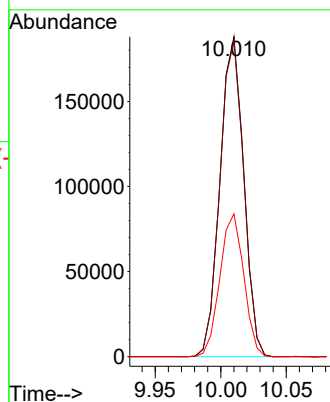
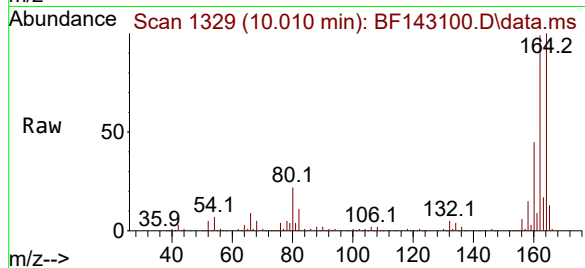
160 44.7 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 71.639 ng

RT: 9.134 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Tgt Ion:216 Resp: 493246

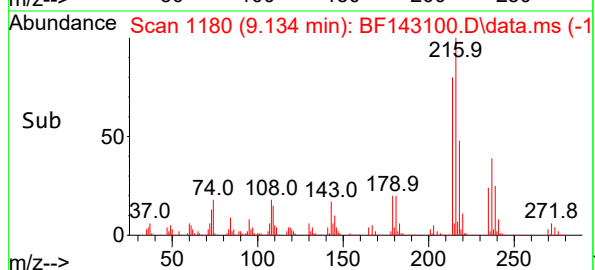
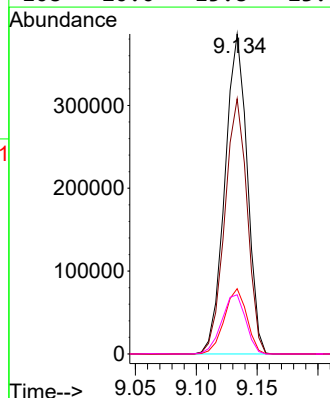
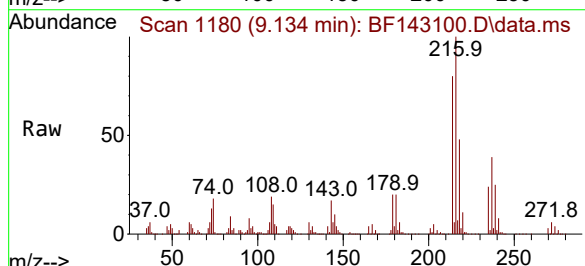
Ion Ratio Lower Upper

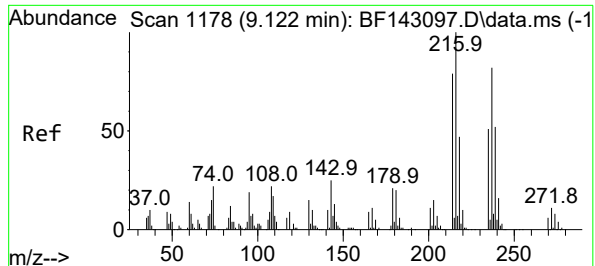
216 100

214 79.8 62.6 94.0

179 20.5 16.2 24.2

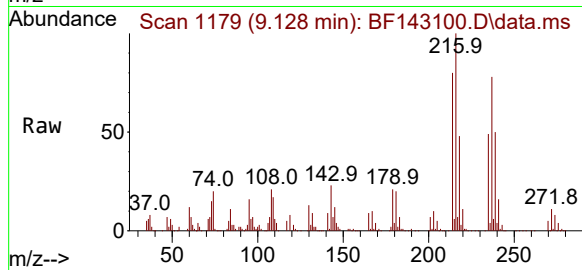
108 20.0 15.8 23.6





#41
Hexachlorocyclopentadiene
Concen: 85.103 ng
RT: 9.128 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

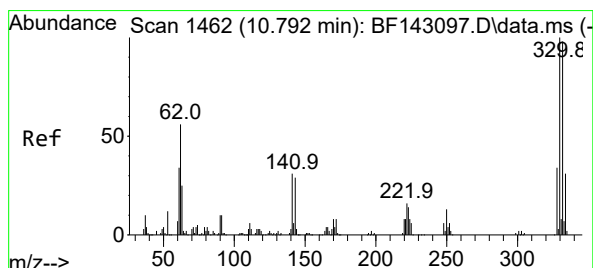
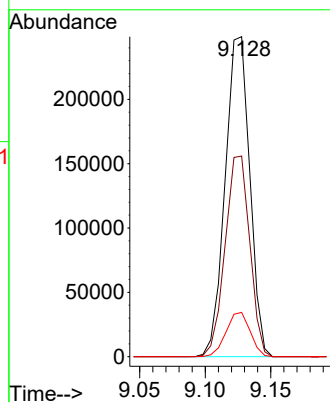
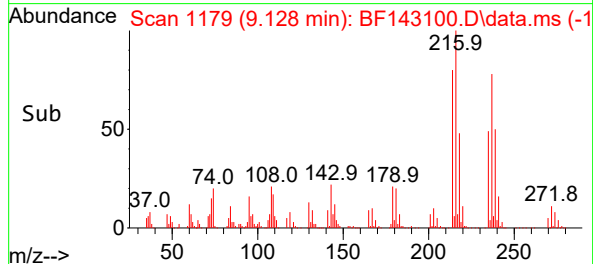
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



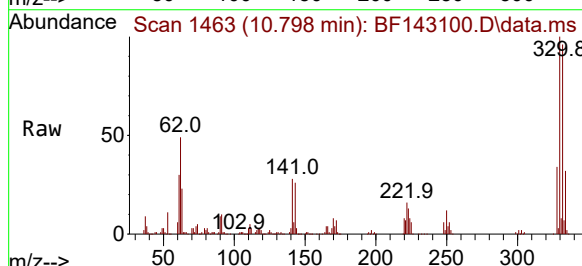
Tgt Ion:237 Resp: 32486
Ion Ratio Lower Upper
237 100
235 62.7 41.6 81.6
272 13.8 0.0 32.9

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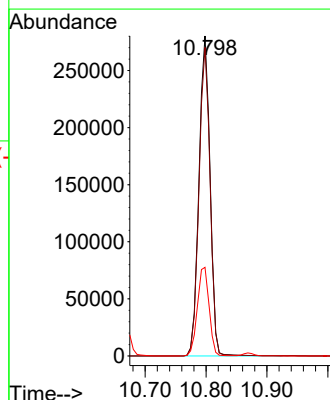
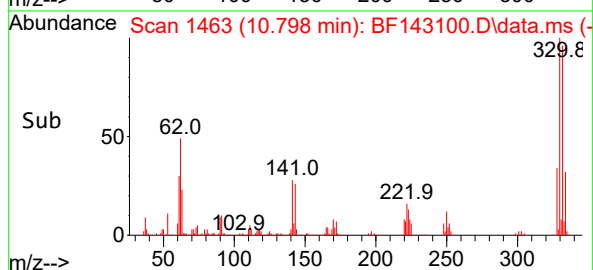
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

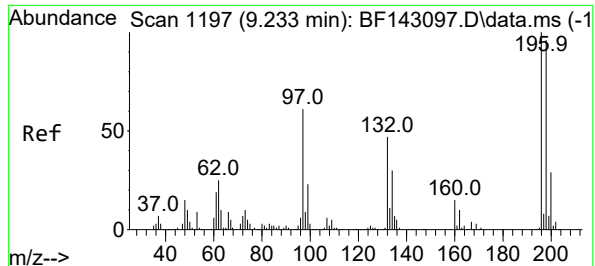


#42
2,4,6-Tribromophenol
Concen: 168.911 ng
RT: 10.798 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35



Tgt Ion:330 Resp: 355830
Ion Ratio Lower Upper
330 100
332 96.3 77.9 116.9
141 29.2 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 83.176 ng

RT: 9.239 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF143100.D

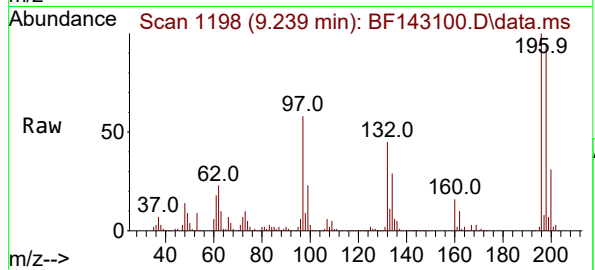
Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 355839

Ion Ratio Lower Upper

196 100

198 94.1 76.9 115.3

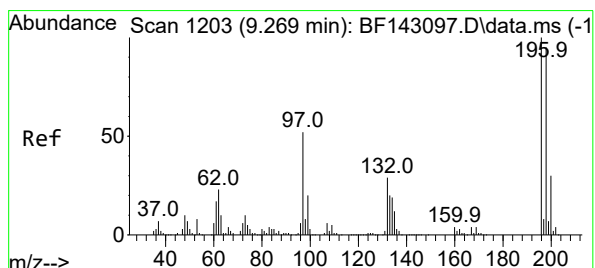
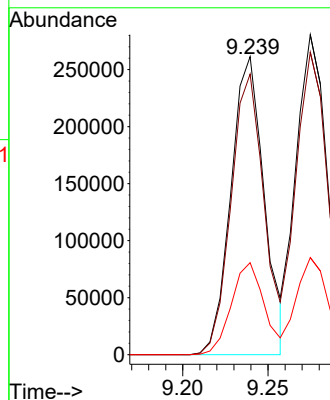
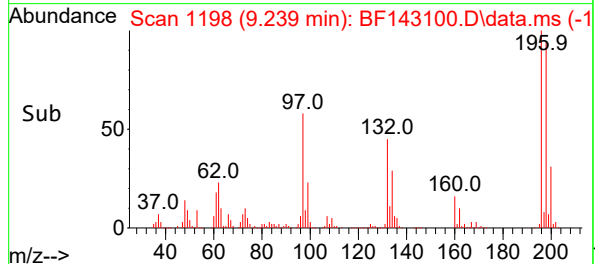
200 30.9 23.5 35.3

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#44

2,4,5-Trichlorophenol

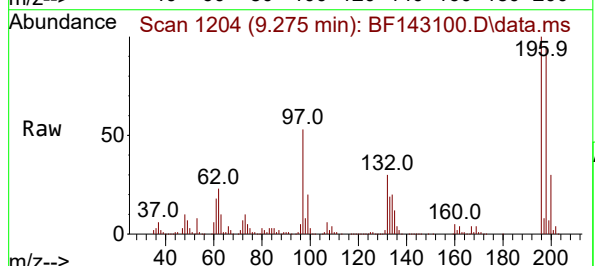
Concen: 79.651 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35



Tgt Ion:196 Resp: 357298

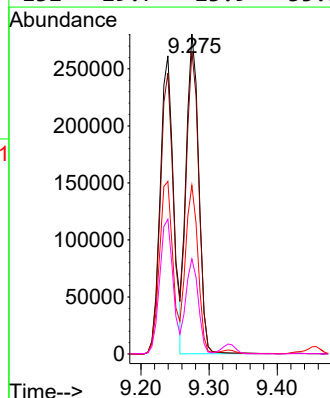
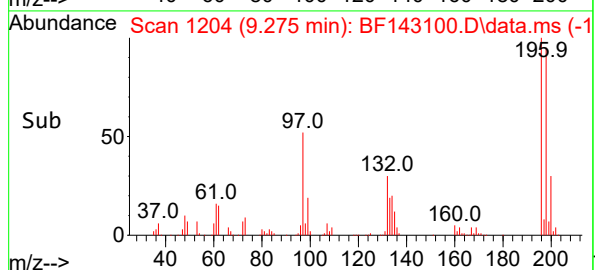
Ion Ratio Lower Upper

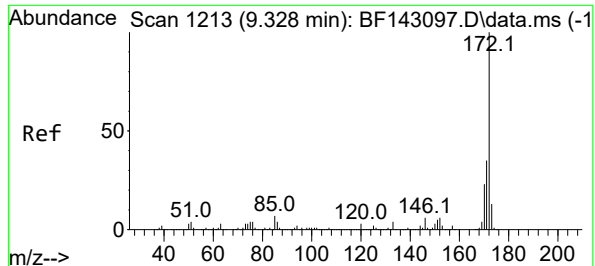
196 100

198 94.5 76.4 114.6

97 52.7 42.4 63.6

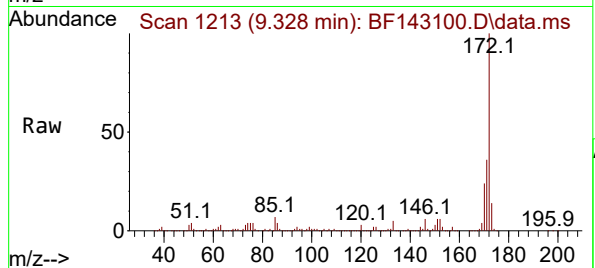
132 29.7 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 131.609 ng
RT: 9.328 min Scan# 1213
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

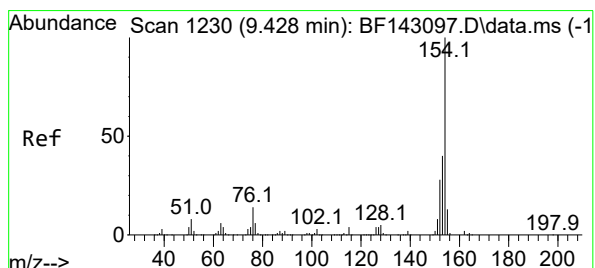
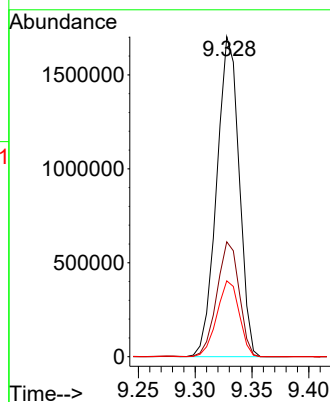
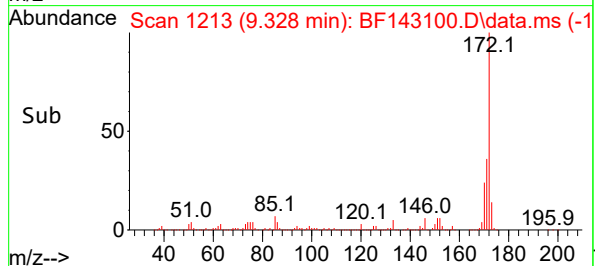
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:172 Resp: 233915
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.4
170 23.7 18.6 28.0

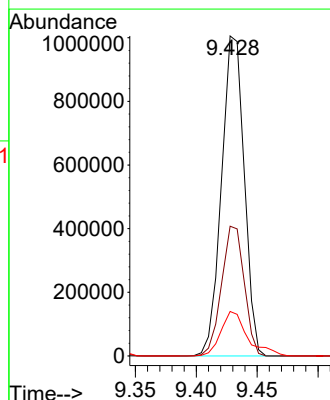
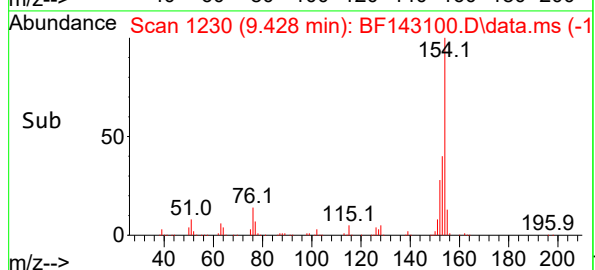
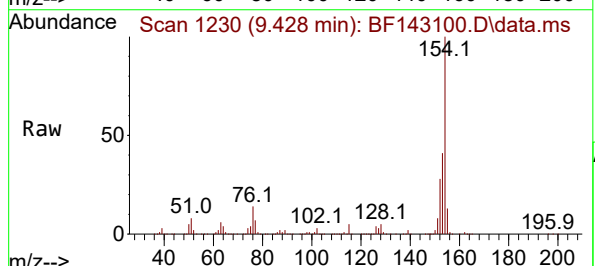
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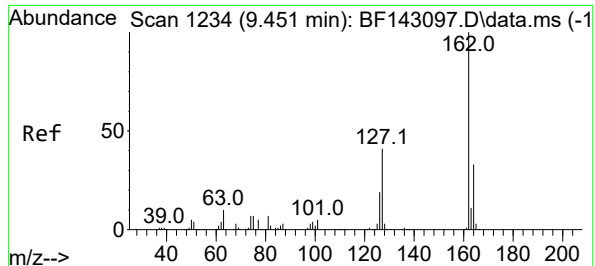
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#46
1,1'-Biphenyl
Concen: 69.419 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:154 Resp: 1307947
Ion Ratio Lower Upper
154 100
153 40.6 20.1 60.1
76 13.9 0.0 33.7





#47

2-Chloronaphthalene

Concen: 71.557 ng

RT: 9.457 min Scan# 1235

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

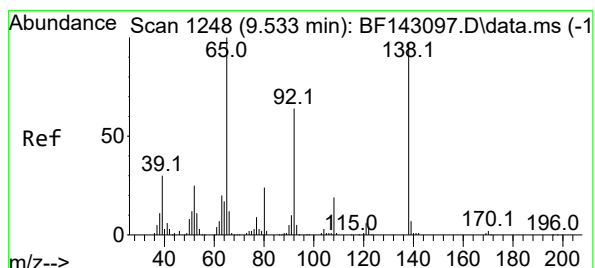
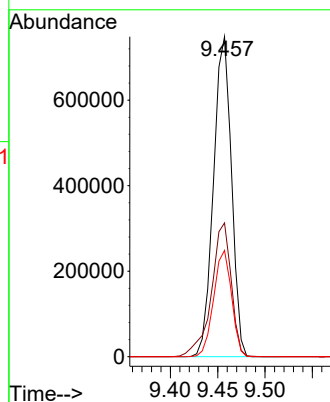
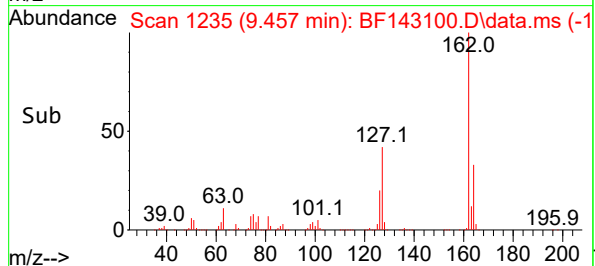
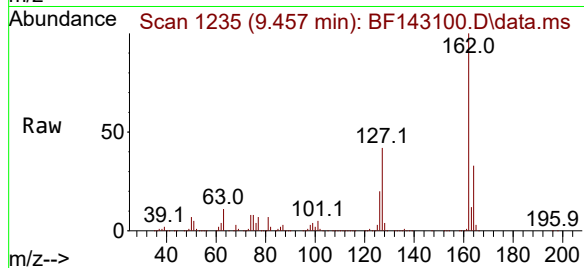
Tgt Ion:	162	Resp:	990430
Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.0	49.6
164	33.2	26.1	39.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#48

2-Nitroaniline

Concen: 79.074 ng

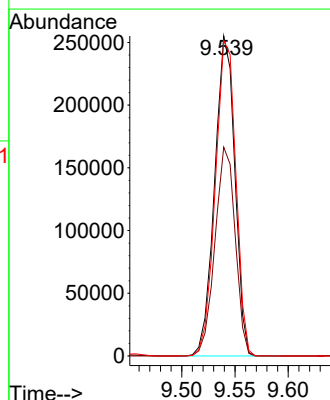
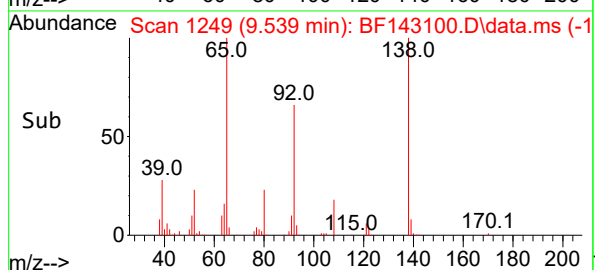
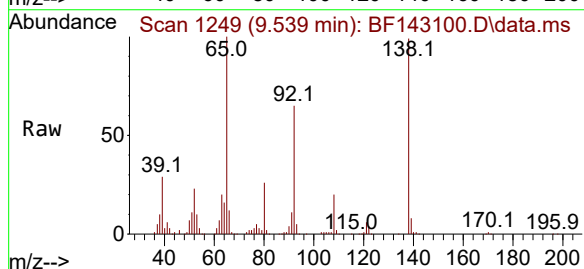
RT: 9.539 min Scan# 1249

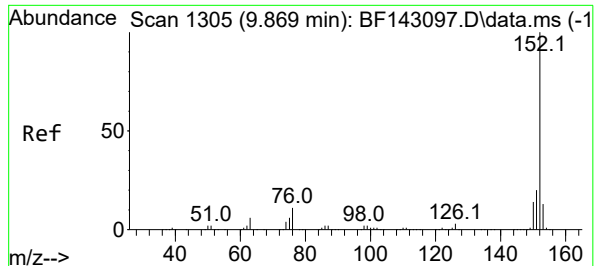
Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Tgt Ion:	65	Resp:	335875
Ion	Ratio	Lower	Upper
65	100		
92	65.2	51.3	76.9
138	98.6	77.8	116.6





#49

Acenaphthylene

Concen: 71.544 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143100.D

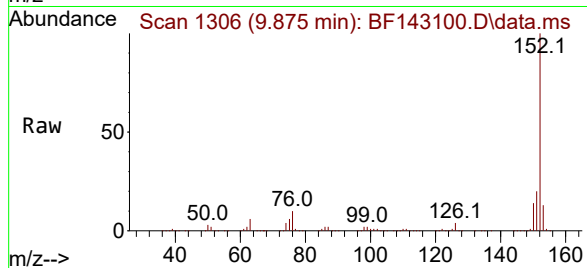
Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:152 Resp: 165009

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.8

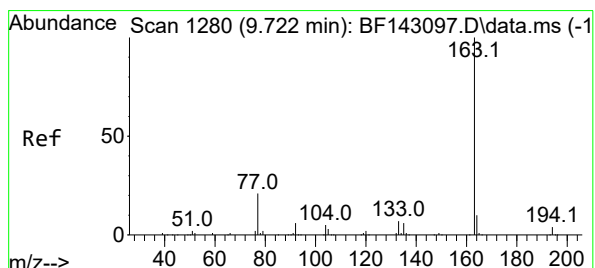
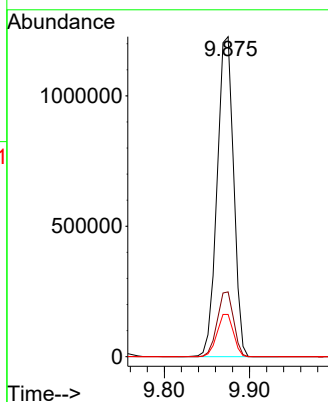
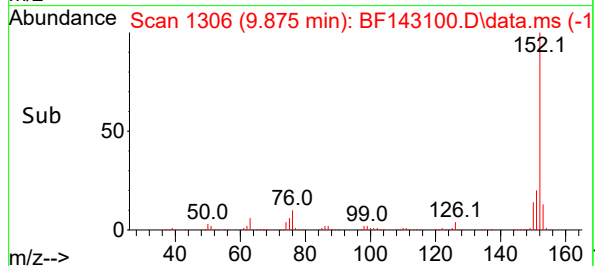
153 13.2 10.4 15.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#50

Dimethylphthalate

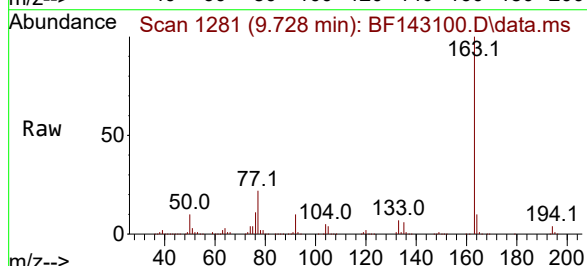
Concen: 74.327 ng

RT: 9.728 min Scan# 1281

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35



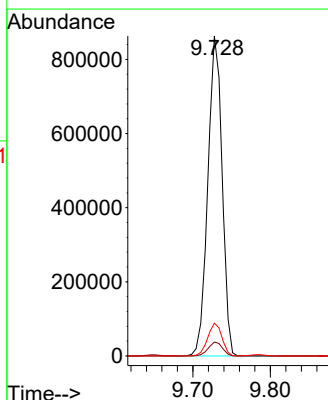
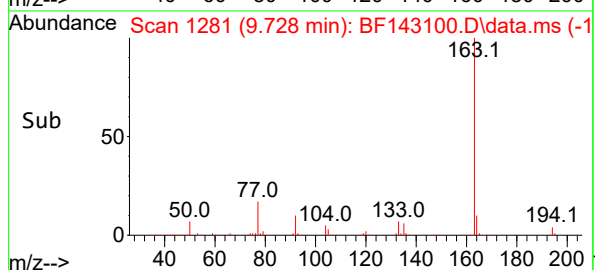
Tgt Ion:163 Resp: 1104756

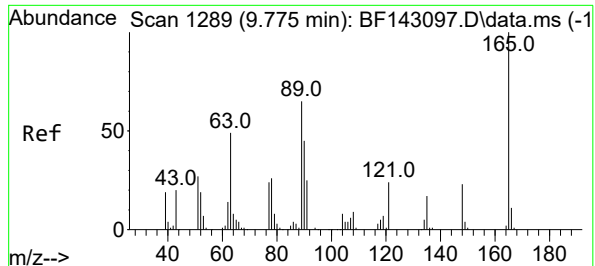
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

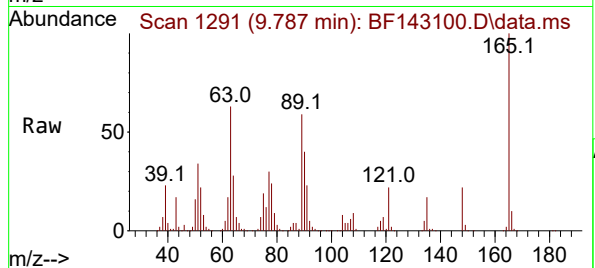
164 10.3 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 77.660 ng
RT: 9.787 min Scan# 1289
Delta R.T. 0.011 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

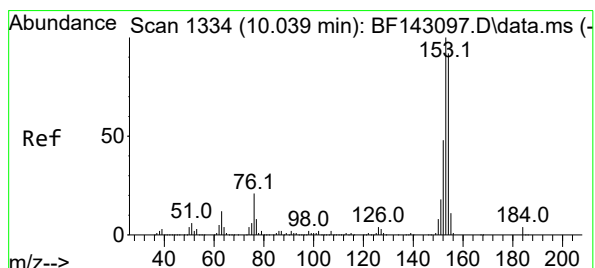
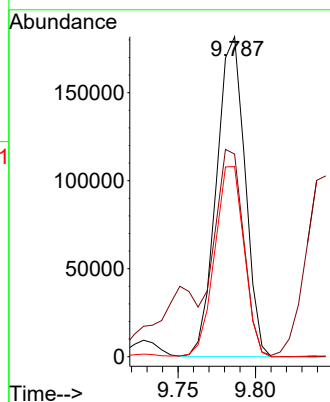
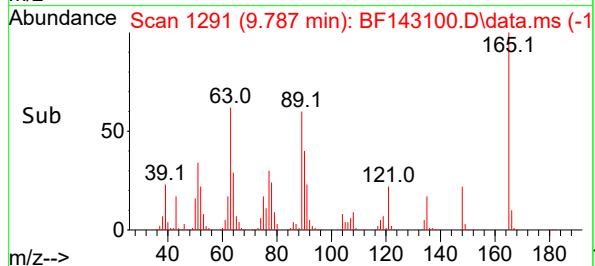
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 233478
Ion Ratio Lower Upper
165 100
63 63.3 57.4 86.0
89 59.4 51.8 77.8

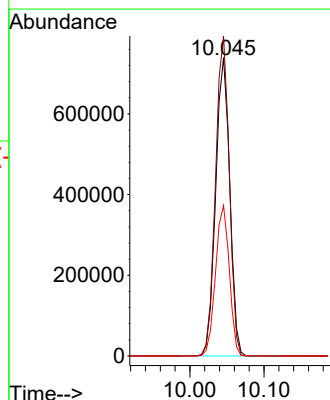
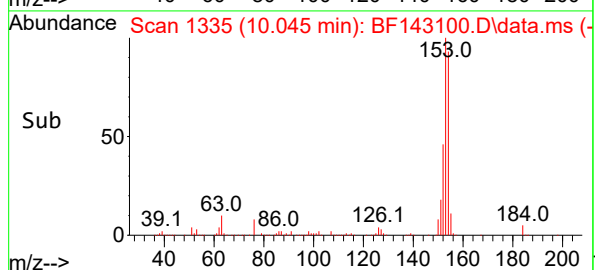
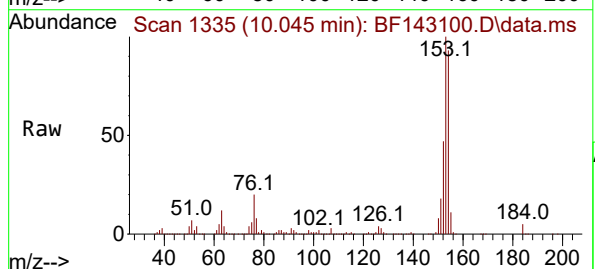
Manual Integrations
APPROVED

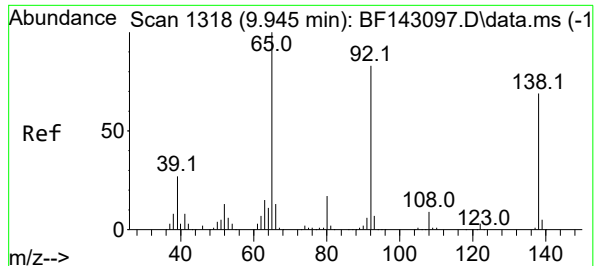
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#52
Acenaphthene
Concen: 71.657 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:154 Resp: 975285
Ion Ratio Lower Upper
154 100
153 107.3 86.7 130.1
152 50.5 41.4 62.2





#53
3-Nitroaniline
Concen: 86.920 ng
RT: 9.951 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

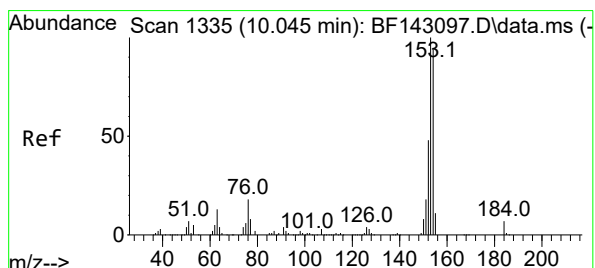
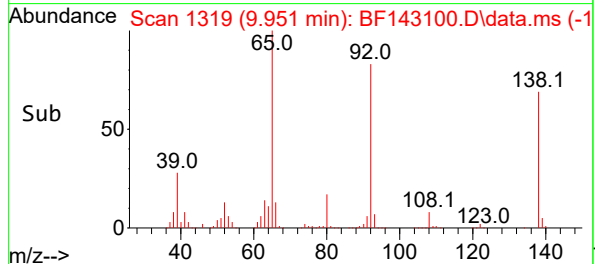
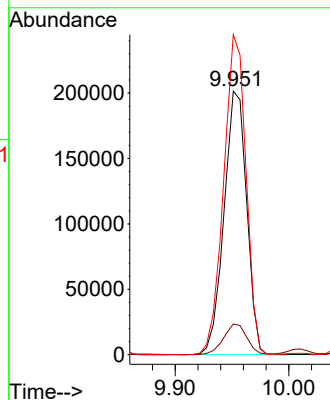
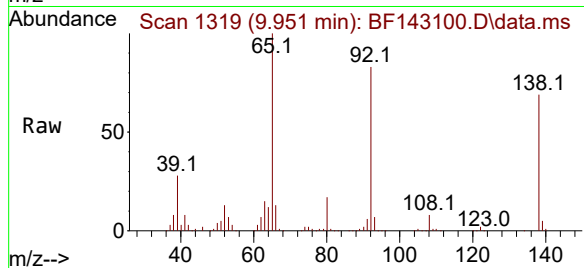
SSTDICC080

Tgt Ion:138 Resp: 27916
Ion Ratio Lower Upper
138 100
108 11.6 10.1 15.1
92 121.4 96.4 144.6

Manual Integrations

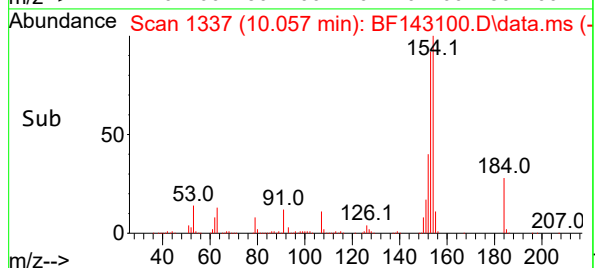
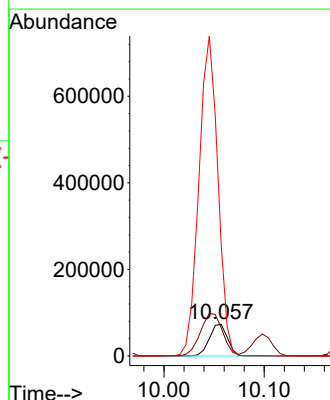
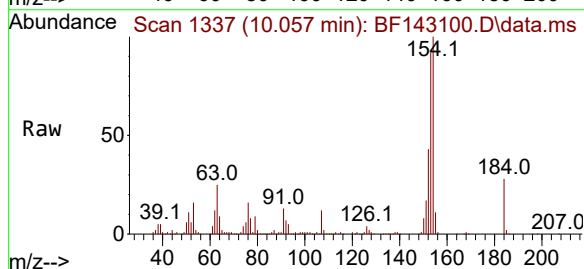
APPROVED

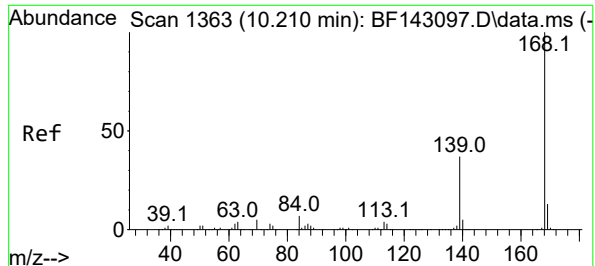
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#54
2,4-Dinitrophenol
Concen: 79.064 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

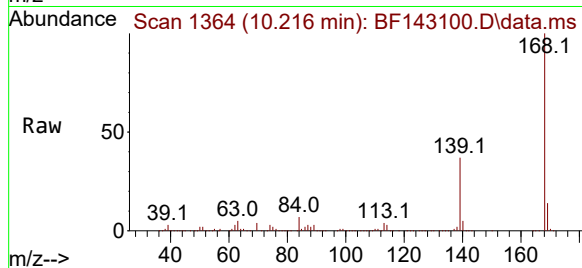
Tgt Ion:184 Resp: 91751
Ion Ratio Lower Upper
184 100
63 89.3 149.3 223.9#
154 352.7 1048.0 1572.0#





#55
Dibenzenofuran
Concen: 70.610 ng
RT: 10.216 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

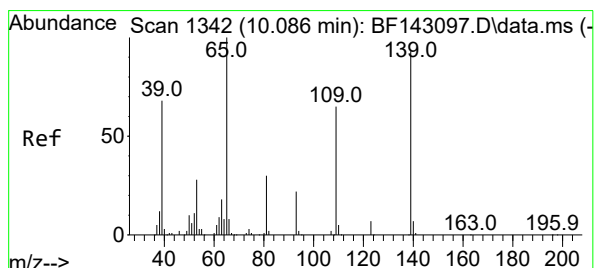
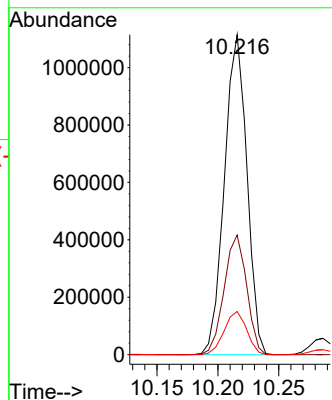
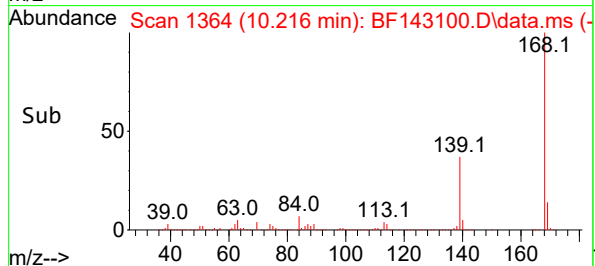
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:168 Resp: 1432458
Ion Ratio Lower Upper
168 100
139 37.4 29.8 44.6
169 13.5 10.8 16.2

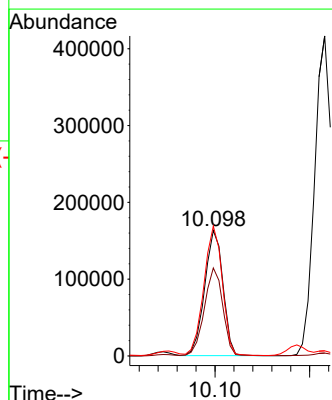
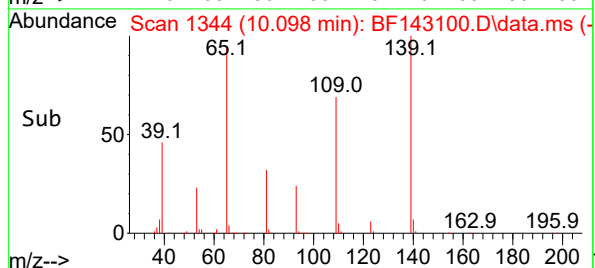
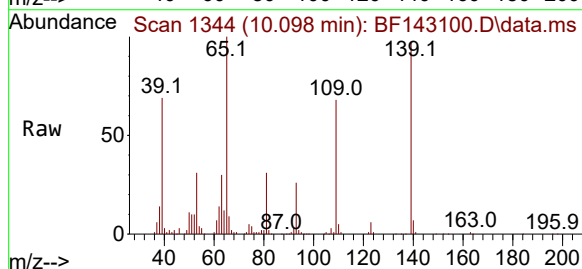
Manual Integrations
APPROVED

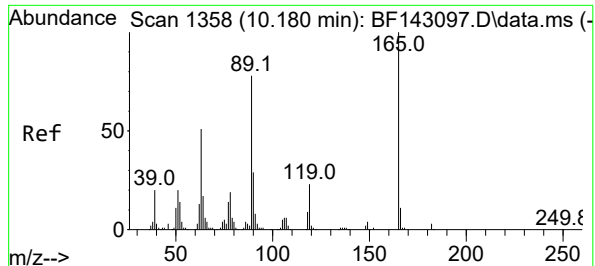
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#56
4-Nitrophenol
Concen: 85.886 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

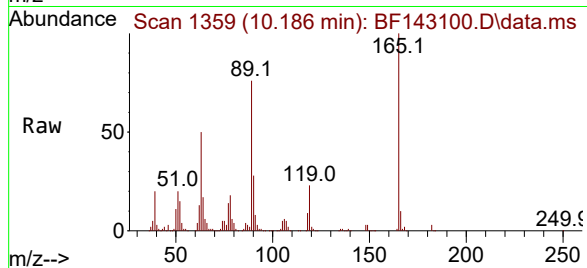
Tgt Ion:139 Resp: 219224
Ion Ratio Lower Upper
139 100
109 70.2 49.4 89.4
65 103.6 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 80.048 ng
RT: 10.186 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

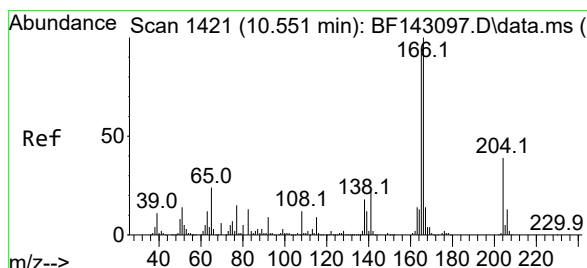
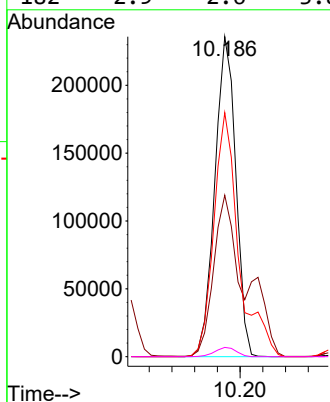
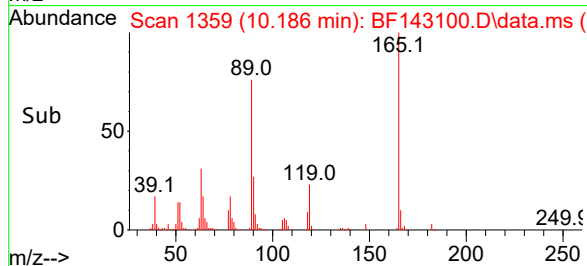
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



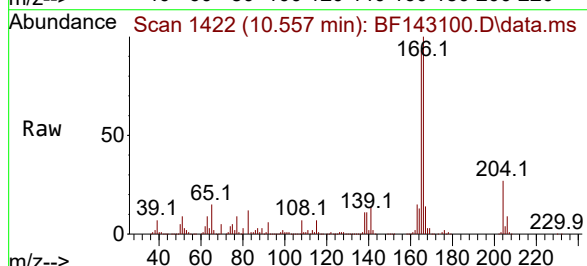
Tgt Ion:165 Resp: 302558
Ion Ratio Lower Upper
165 100
63 50.4 40.6 61.0
89 76.3 62.3 93.5
182 2.9 2.6 3.8

Manual Integrations
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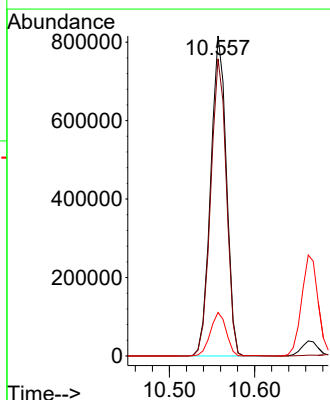
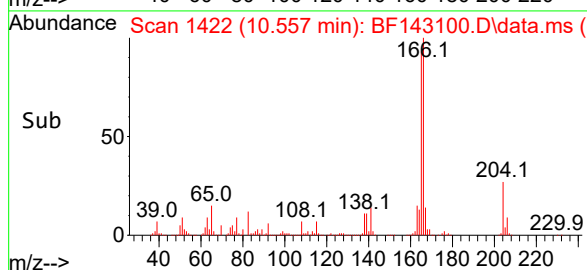
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

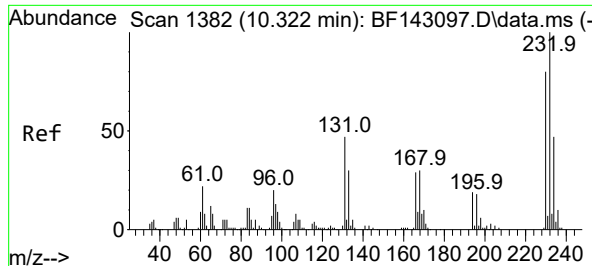


#58
Fluorene
Concen: 68.640 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35



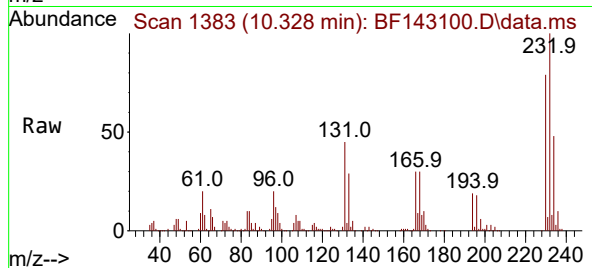
Tgt Ion:166 Resp: 1043990
Ion Ratio Lower Upper
166 100
165 92.9 73.7 110.5
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 81.893 ng
RT: 10.328 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

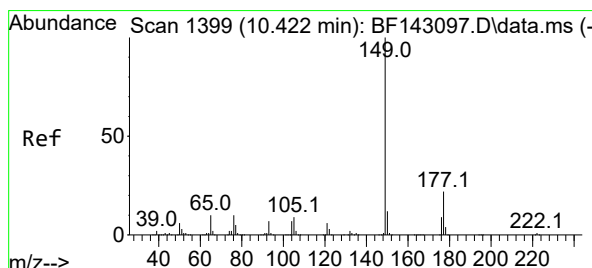
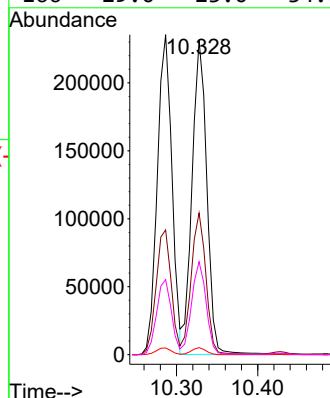
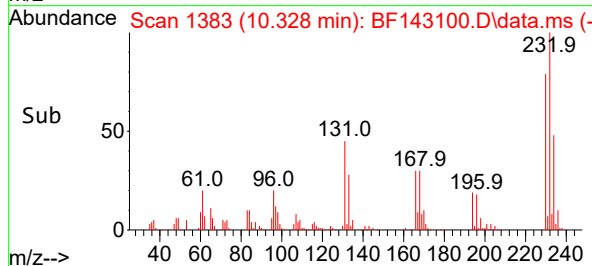
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



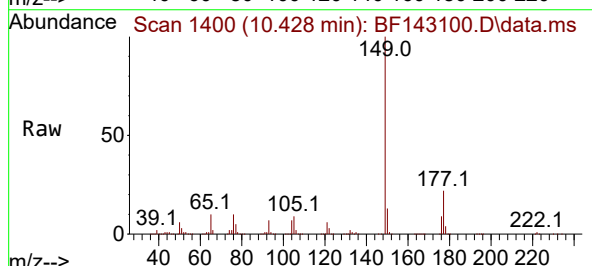
Tgt Ion:232 Resp: 29193
Ion Ratio Lower Upper
232 100
131 44.7 36.9 55.3
130 2.2 1.8 2.8
166 29.0 23.0 34.6

Manual Integrations
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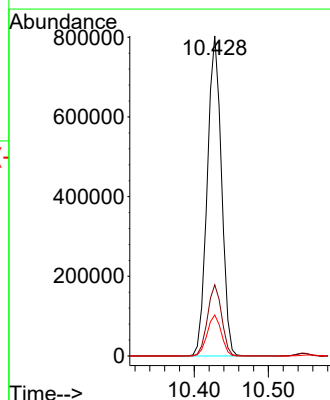
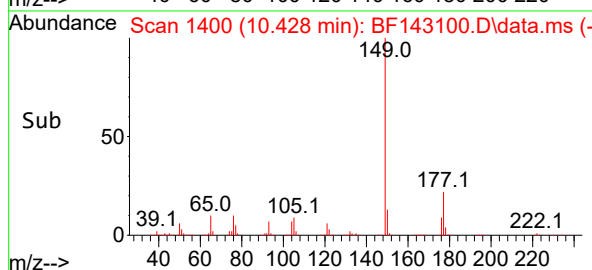
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

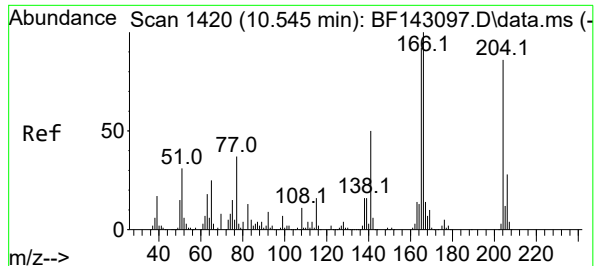


#60
Diethylphthalate
Concen: 74.464 ng
RT: 10.428 min Scan# 1400
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35



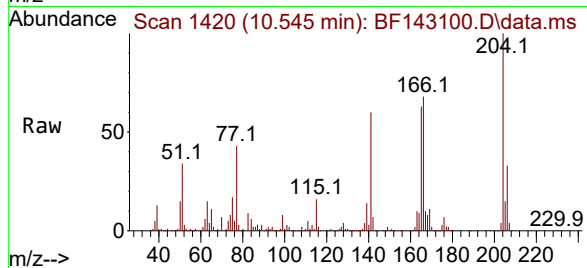
Tgt Ion:149 Resp: 1067815
Ion Ratio Lower Upper
149 100
177 22.2 17.3 25.9
150 12.8 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 72.005 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

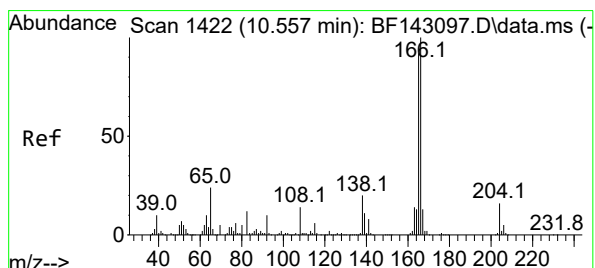
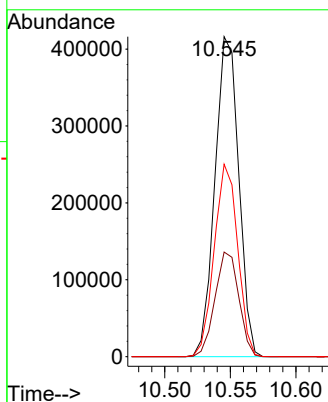
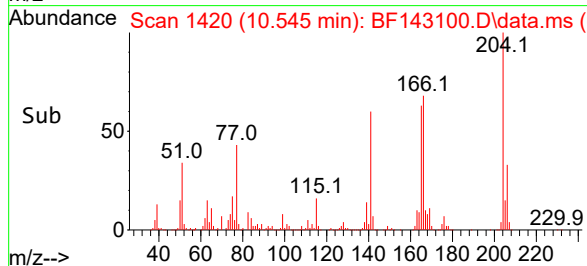
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



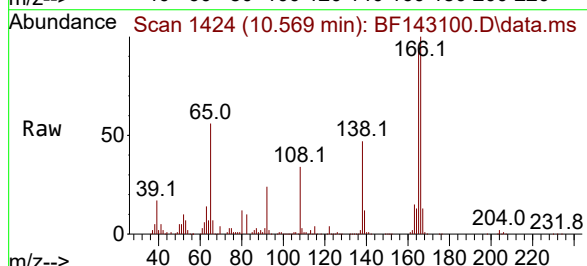
Tgt Ion: 204 Resp: 524910
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.6
141 60.2 46.8 70.2

Manual Integrations
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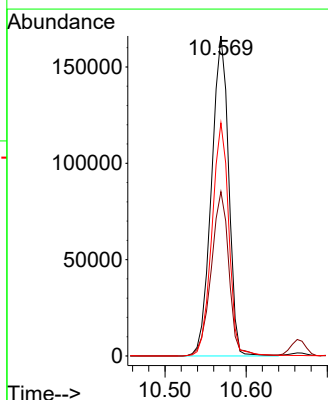
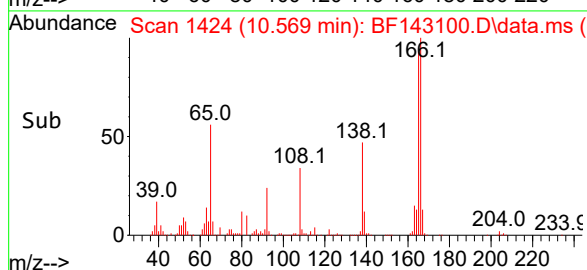
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

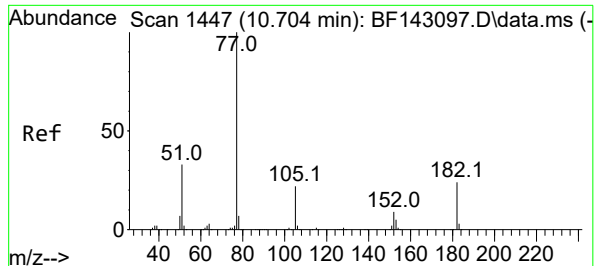


#62
4-Nitroaniline
Concen: 87.527 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35



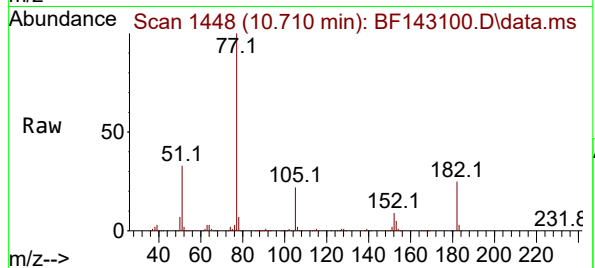
Tgt Ion: 138 Resp: 244461
Ion Ratio Lower Upper
138 100
92 51.4 30.4 70.4
108 72.9 49.5 89.5





#63
Azobenzene
Concen: 71.985 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

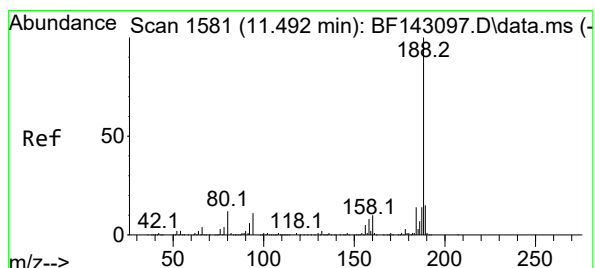
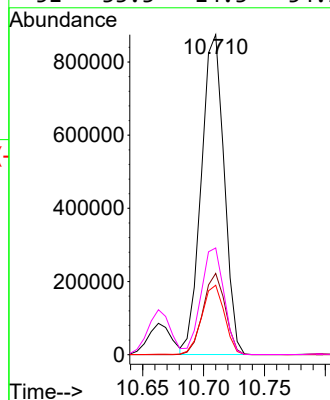
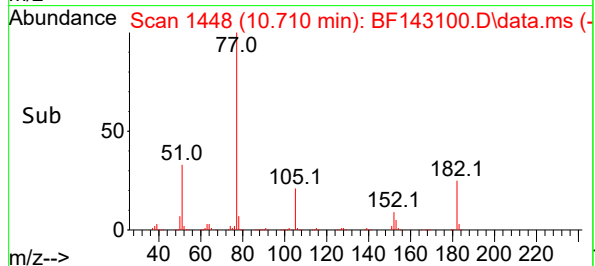
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 114161
Ion Ratio Lower Upper
77 100
182 25.4 4.0 44.0
105 21.7 1.4 41.4
51 33.3 14.3 54.3

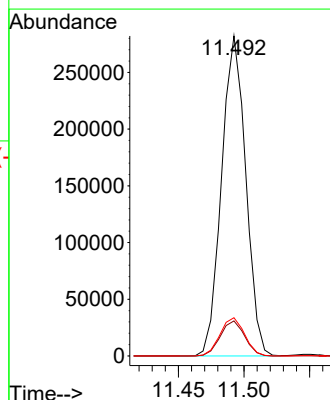
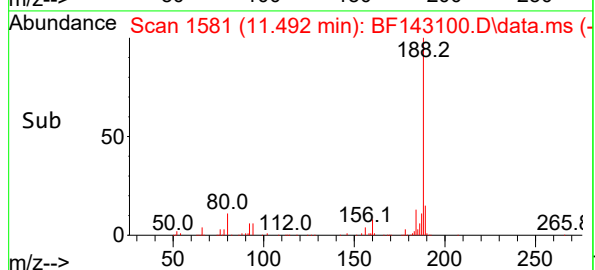
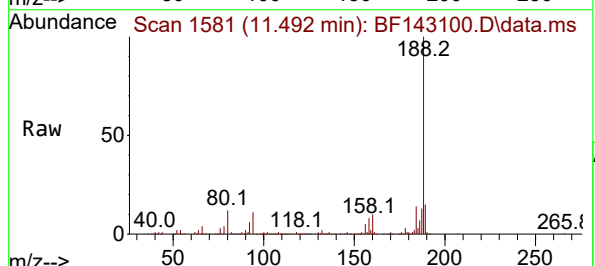
Manual Integrations
APPROVED

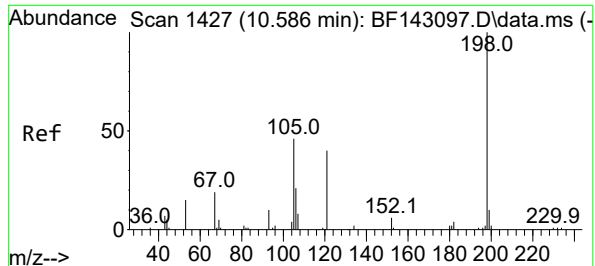
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:188 Resp: 362117
Ion Ratio Lower Upper
188 100
94 11.0 8.6 13.0
80 12.0 9.3 13.9





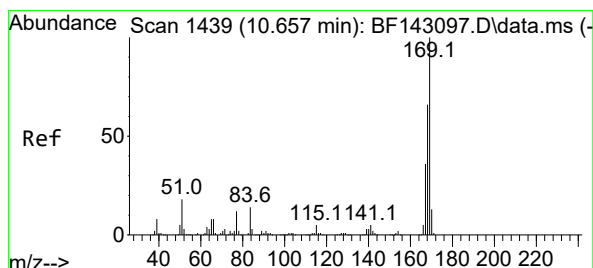
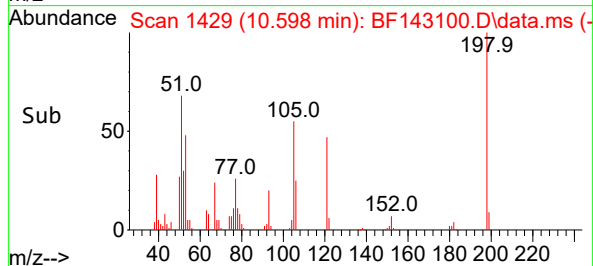
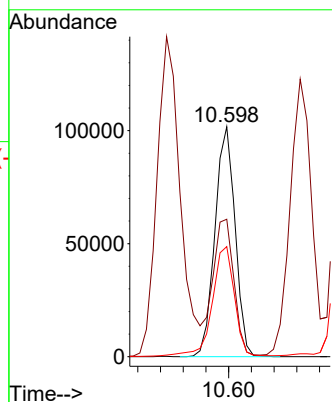
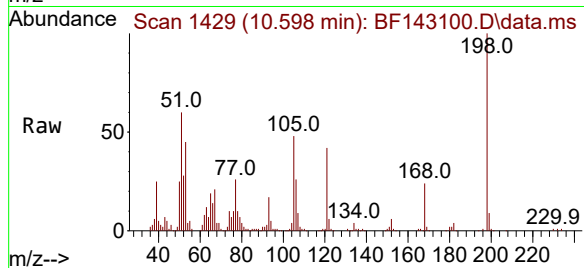
#65
4,6-Dinitro-2-methylphenol
Concen: 78.600 ng
RT: 10.598 min Scan# 1427
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 12525
Ion Ratio Lower Upper
198 100
51 59.8 44.6 84.6
105 47.9 29.3 69.3

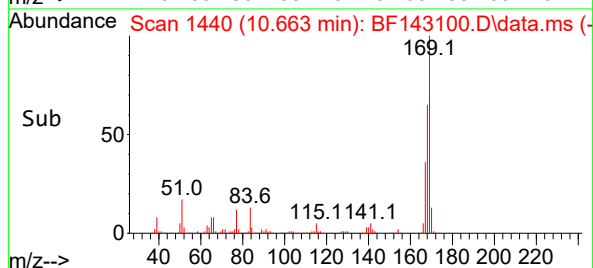
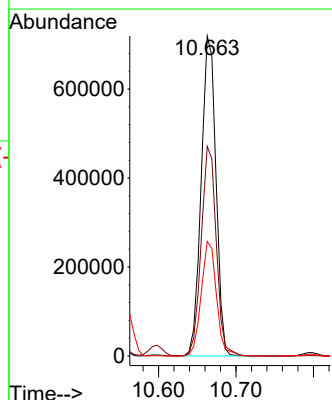
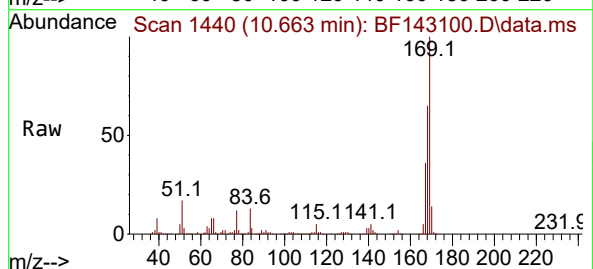
Manual Integrations
APPROVED

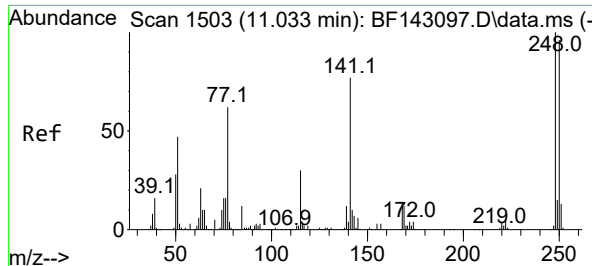
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#66
n-Nitrosodiphenylamine
Concen: 74.520 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

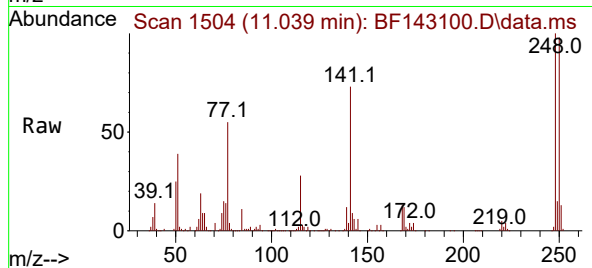
Tgt Ion:169 Resp: 947890
Ion Ratio Lower Upper
169 100
168 65.5 53.0 79.6
167 35.8 28.4 42.6





#67
4-Bromophenyl-phenylether
Concen: 76.885 ng
RT: 11.039 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

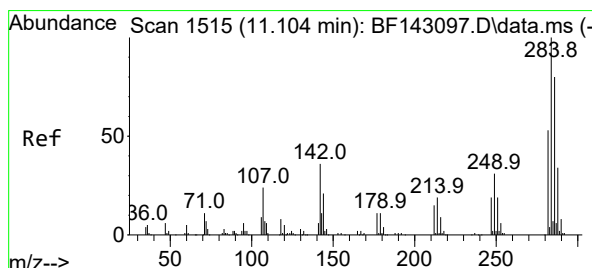
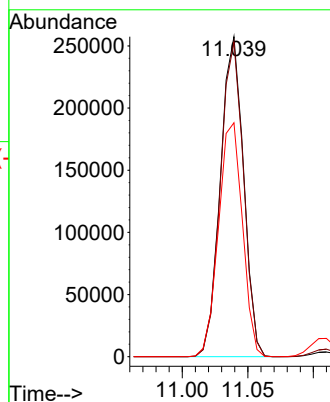
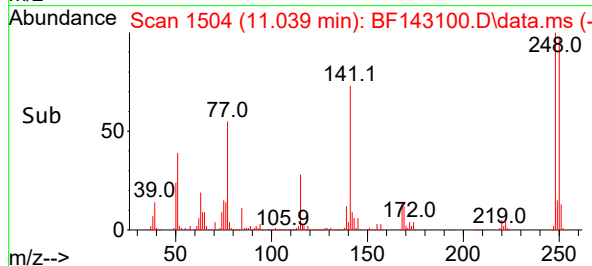
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



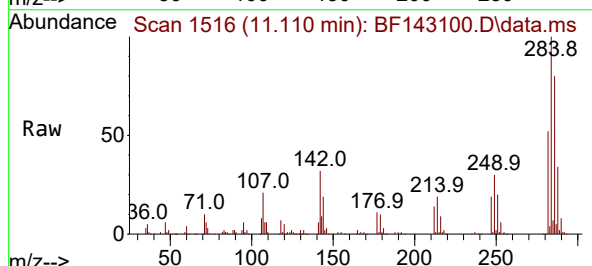
Tgt Ion:248 Resp: 316619
Ion Ratio Lower Upper
248 100
250 98.3 76.7 115.1
141 73.1 61.7 92.5

Manual Integrations
APPROVED

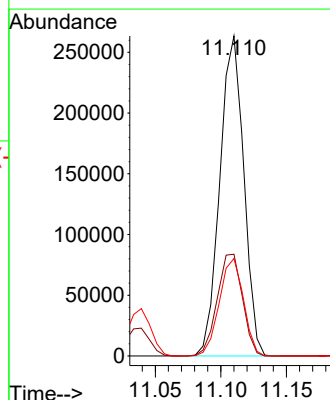
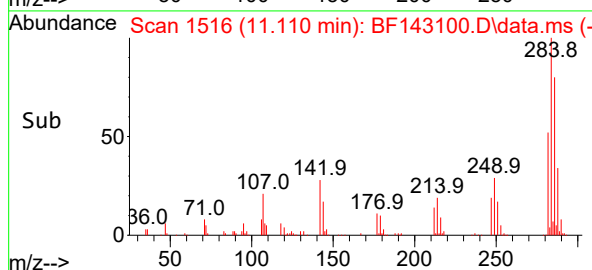
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

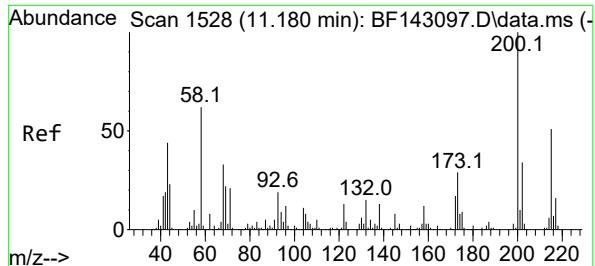


#68
Hexachlorobenzene
Concen: 76.417 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35



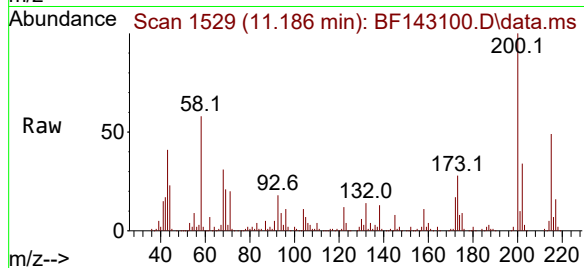
Tgt Ion:284 Resp: 333899
Ion Ratio Lower Upper
284 100
142 31.8 28.9 43.3
249 30.5 24.6 37.0





#69
Atrazine
Concen: 81.943 ng
RT: 11.186 min Scan# 1528
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

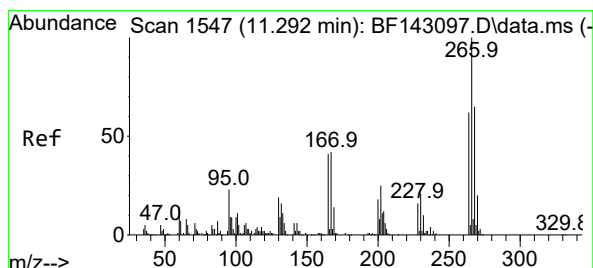
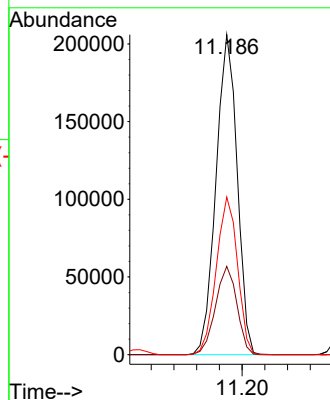
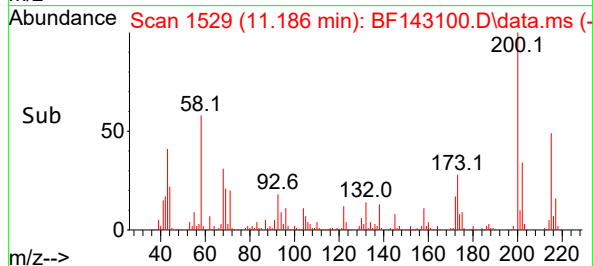
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



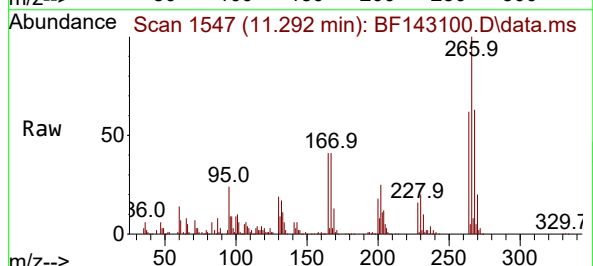
Tgt Ion:200 Resp: 266668
Ion Ratio Lower Upper
200 100
173 27.6 9.1 49.1
215 49.2 31.0 71.0

Manual Integrations
APPROVED

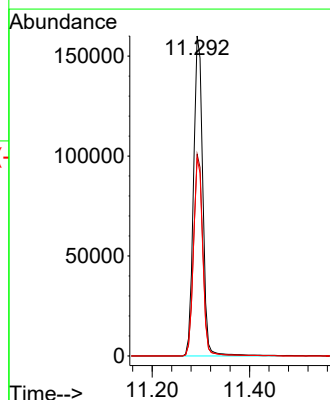
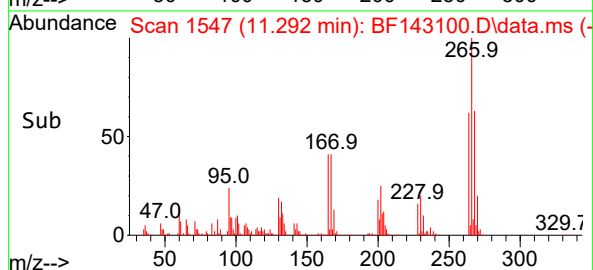
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

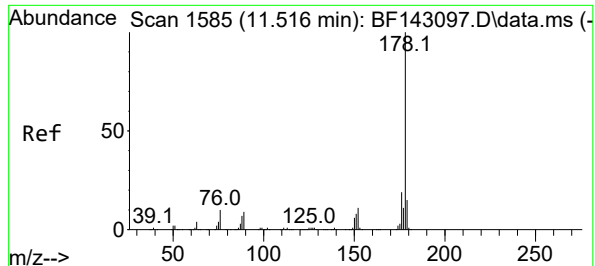


#70
Pentachlorophenol
Concen: 87.905 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35



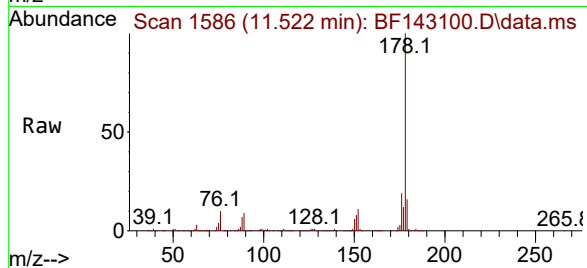
Tgt Ion:266 Resp: 210729
Ion Ratio Lower Upper
266 100
268 63.0 51.8 77.6
264 61.8 49.7 74.5





#71
Phenanthrene
Concen: 71.714 ng
RT: 11.522 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

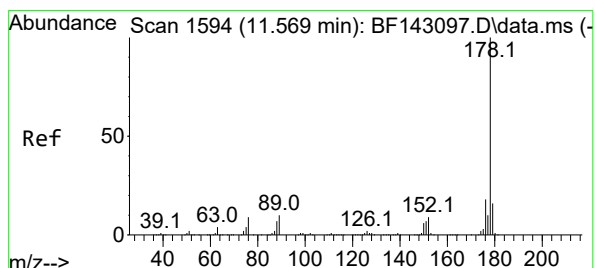
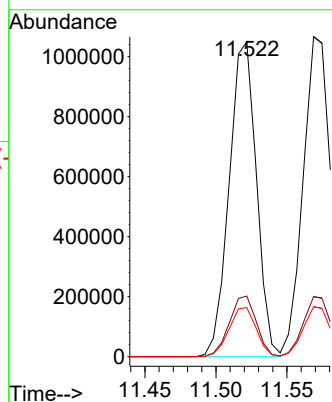
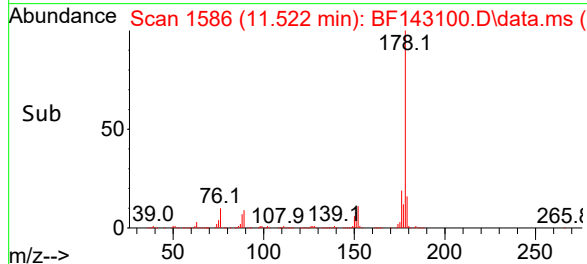
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 1401500
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.6 12.2 18.4

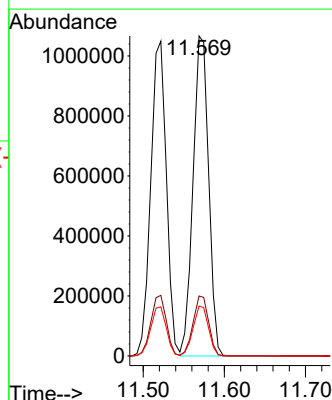
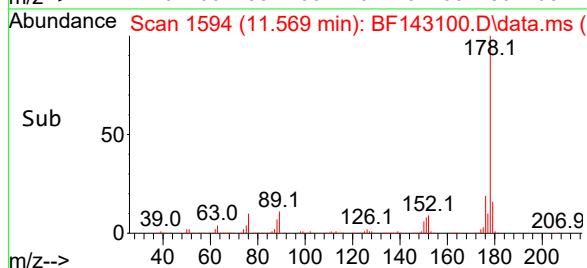
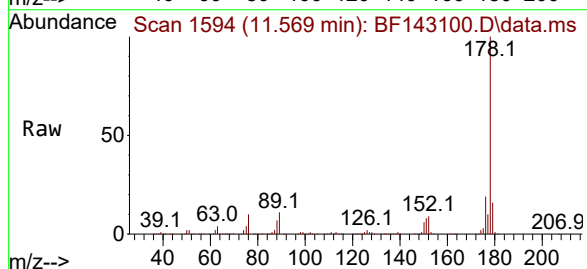
Manual Integrations
APPROVED

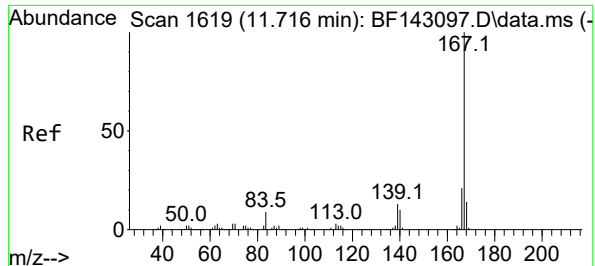
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#72
Anthracene
Concen: 72.421 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

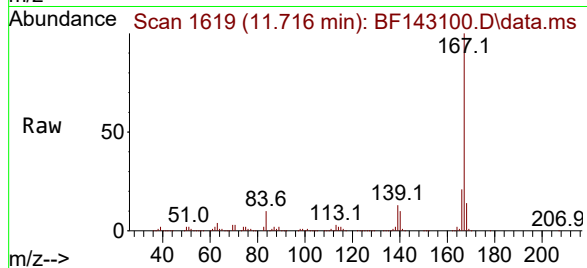
Tgt Ion:178 Resp: 1423259
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.6 12.4 18.6





#73
Carbazole
Concen: 71.796 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

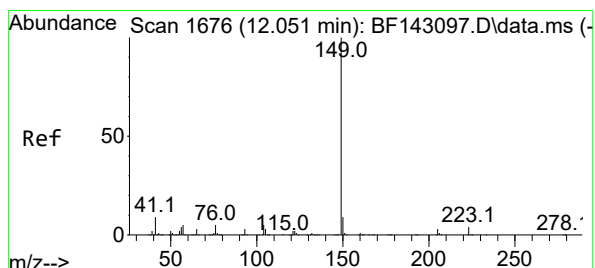
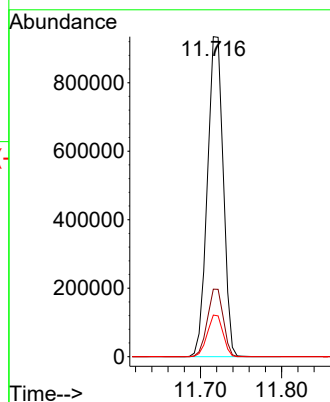
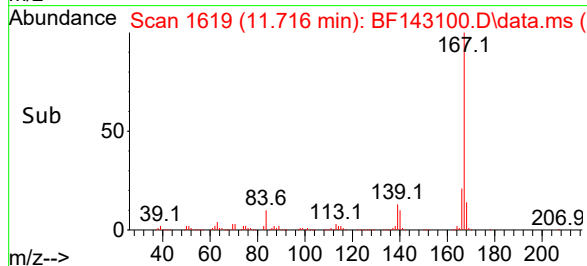
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



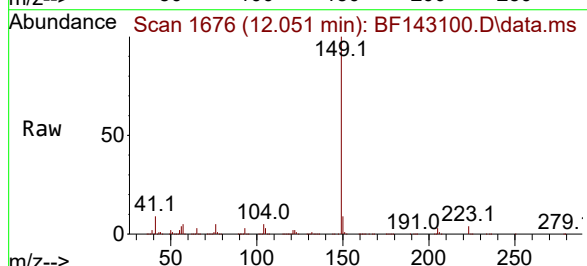
Tgt Ion:167 Resp: 126405
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.4
139 13.0 10.2 15.4

Manual Integrations
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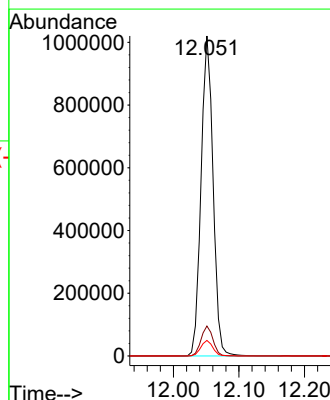
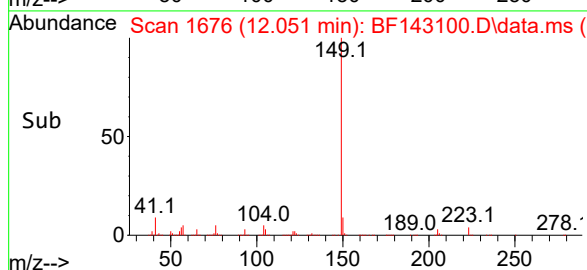
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

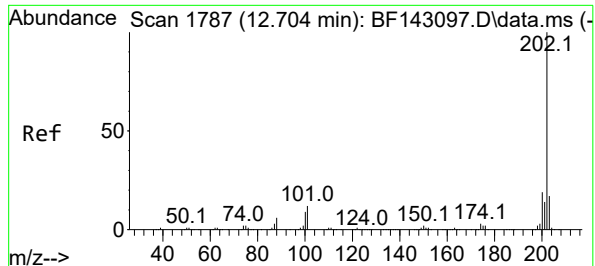


#74
Di-n-butylphthalate
Concen: 80.422 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35



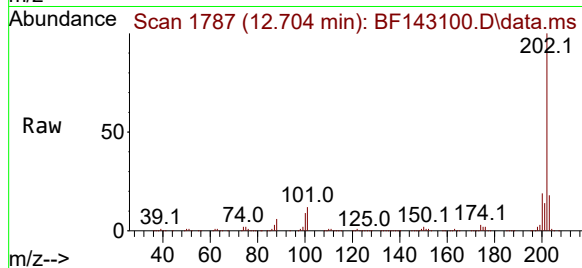
Tgt Ion:149 Resp: 1299711
Ion Ratio Lower Upper
149 100
150 9.3 7.3 10.9
104 4.8 3.8 5.8





#75
Fluoranthene
Concen: 70.821 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

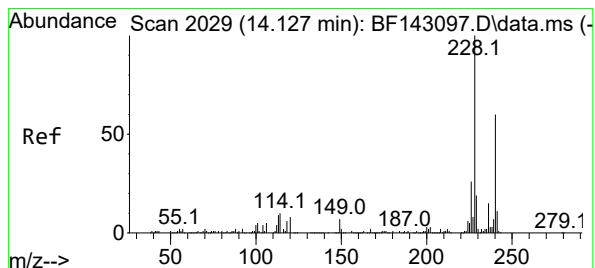
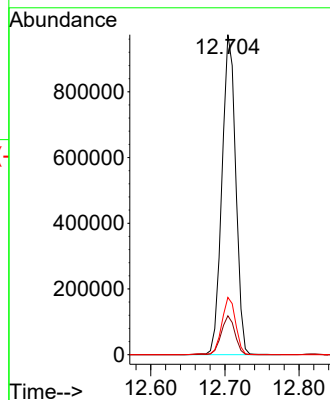
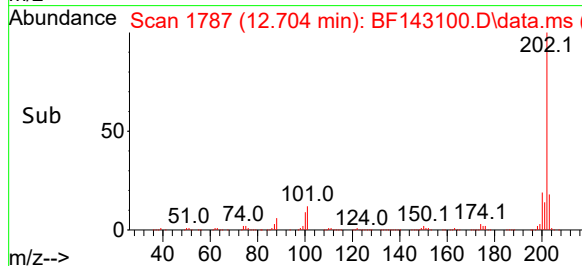
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 1258479
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.4
203 17.9 0.0 37.4

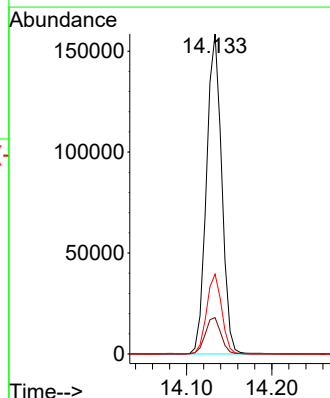
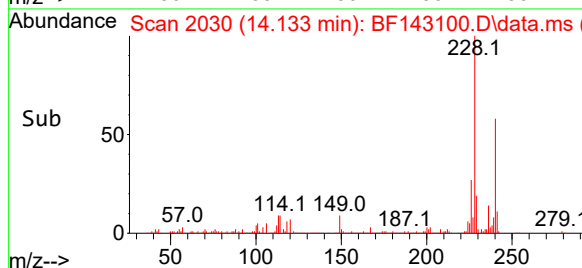
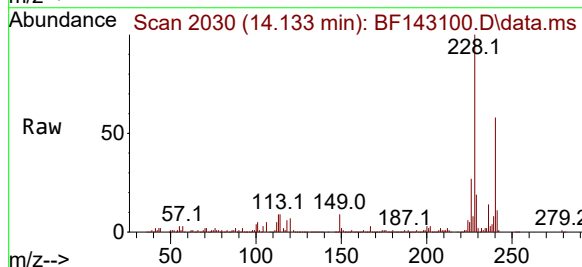
Manual Integrations
APPROVED

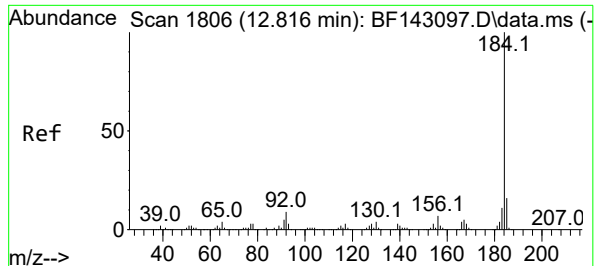
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

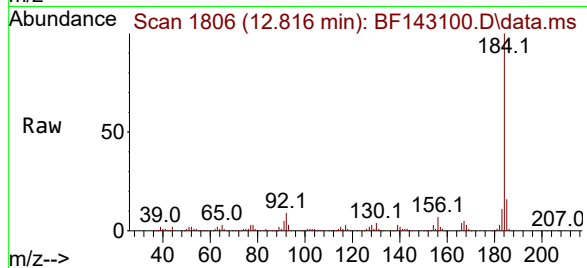
Tgt Ion:240 Resp: 196411
Ion Ratio Lower Upper
240 100
120 11.3 10.0 15.0
236 25.0 20.0 30.0





#77
Benzidine
Concen: 60.315 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

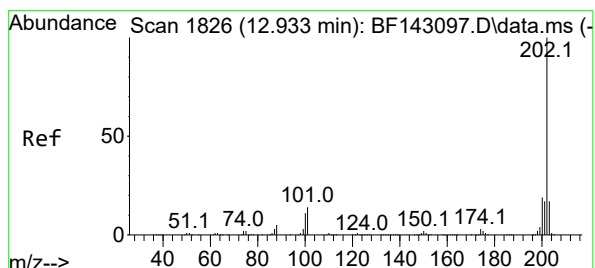
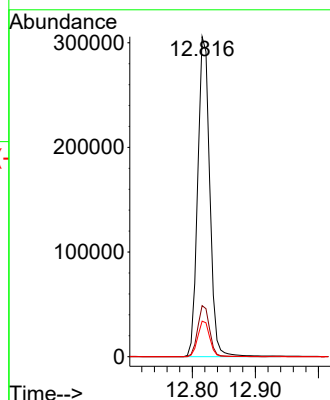
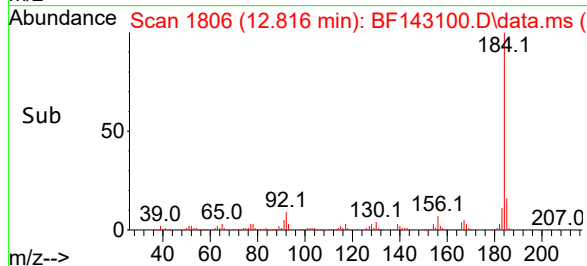
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:184 Resp: 403599
Ion Ratio Lower Upper
184 100
185 15.9 12.4 18.6
183 11.1 8.6 12.8

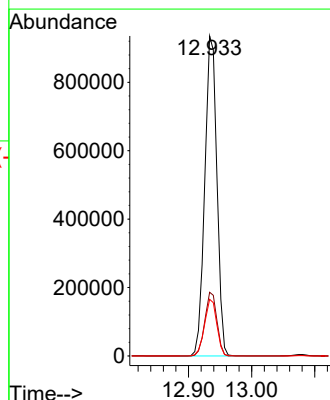
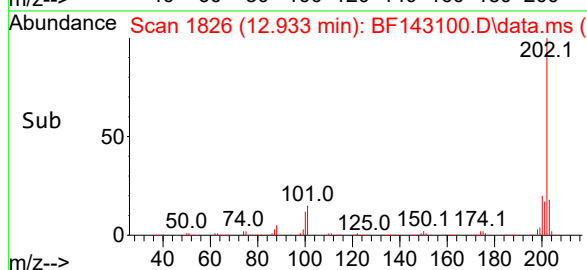
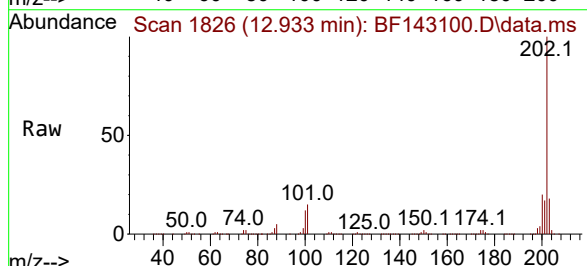
Manual Integrations
APPROVED

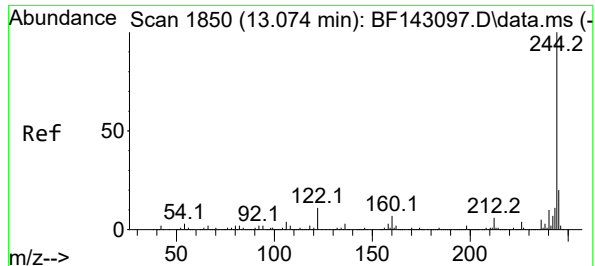
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#78
Pyrene
Concen: 68.315 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:202 Resp: 1244953
Ion Ratio Lower Upper
202 100
200 19.9 15.5 23.3
203 17.7 14.0 21.0





#79

Terphenyl-d14

Concen: 132.466 ng

RT: 13.075 min Scan# 1850

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:244 Resp: 1779829

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

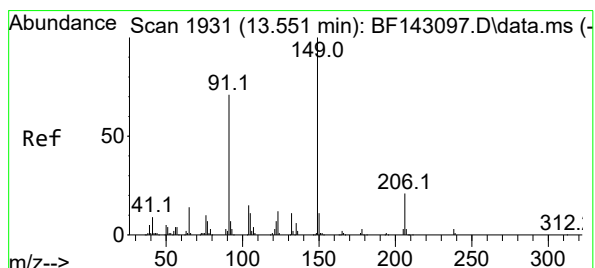
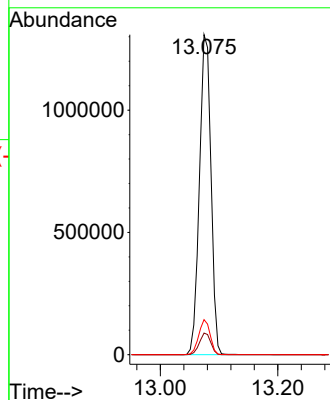
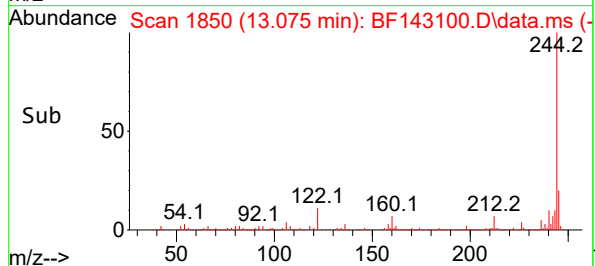
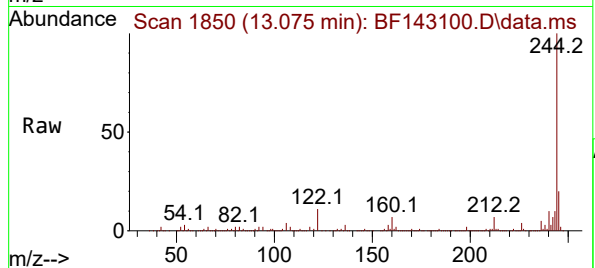
122 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#80

Butylbenzylphthalate

Concen: 79.914 ng

RT: 13.551 min Scan# 1931

Delta R.T. -0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

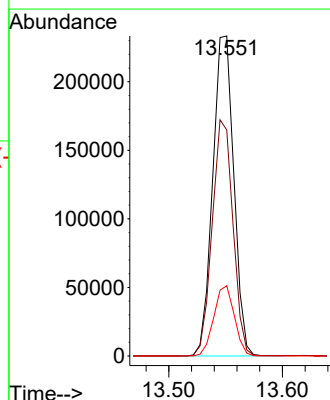
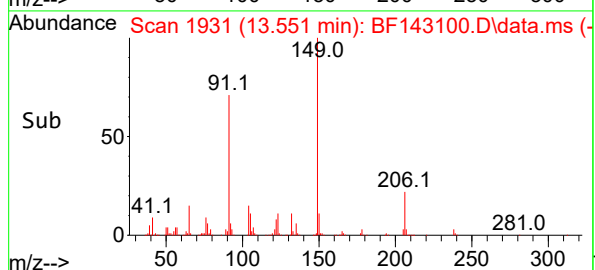
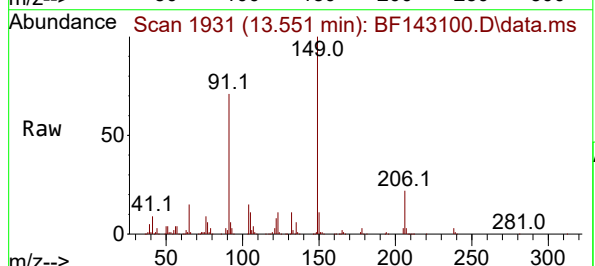
Tgt Ion:149 Resp: 301525

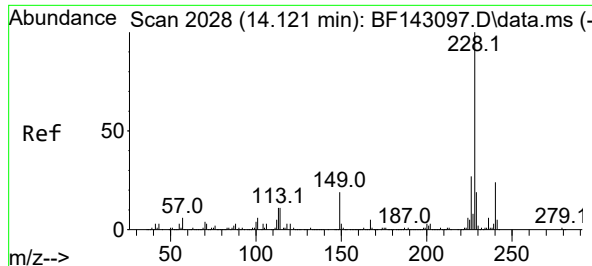
Ion Ratio Lower Upper

149 100

91 70.6 57.0 85.4

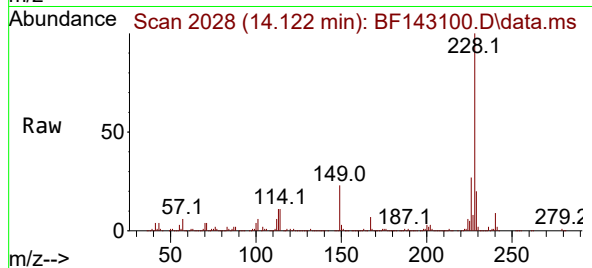
206 21.9 17.2 25.8





#81
Benzo(a)anthracene
Concen: 74.870 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

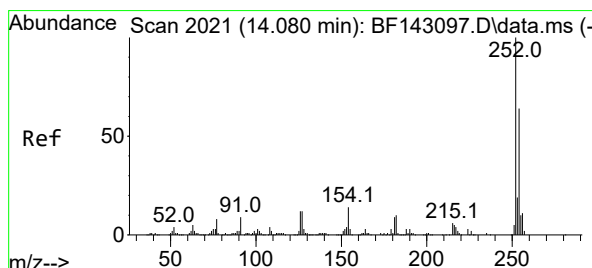
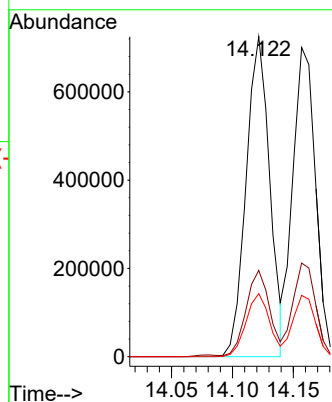
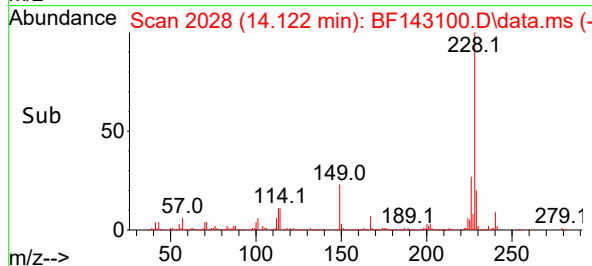
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:228 Resp: 979909
Ion Ratio Lower Upper
228 100
226 27.0 21.3 31.9
229 19.7 15.5 23.3

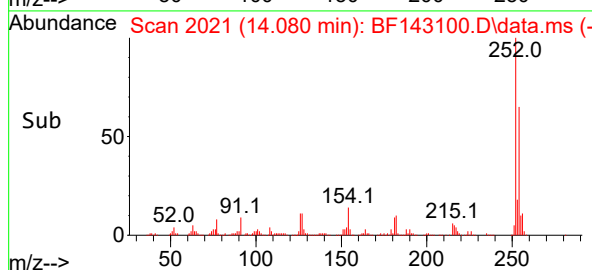
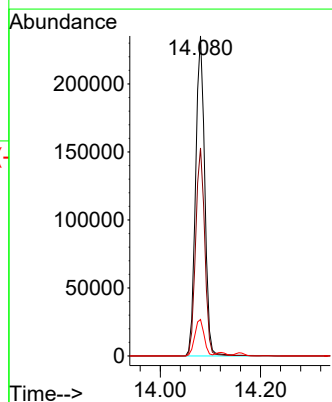
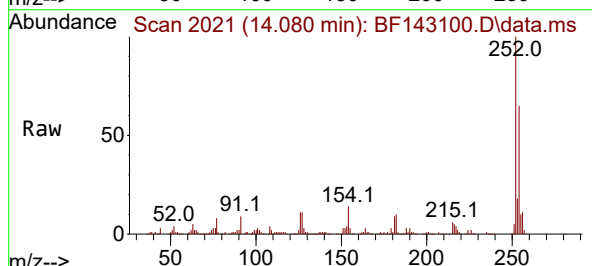
Manual Integrations
APPROVED

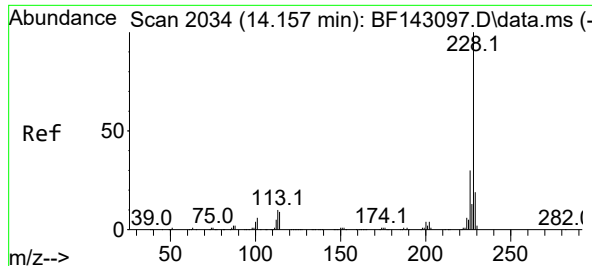
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#82
3,3'-Dichlorobenzidine
Concen: 77.896 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 296061
Ion Ratio Lower Upper
252 100
254 65.0 51.5 77.3
126 11.4 9.4 14.0





#83

Chrysene

Concen: 75.743 ng

RT: 14.157 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:228 Resp: 91303

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

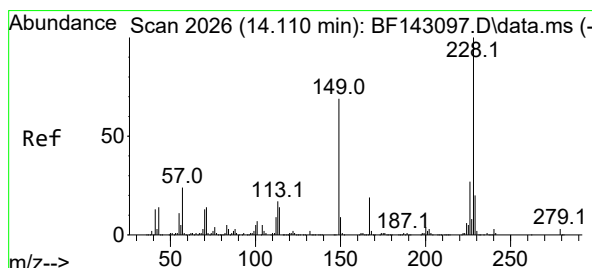
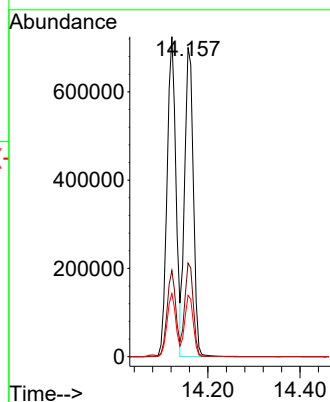
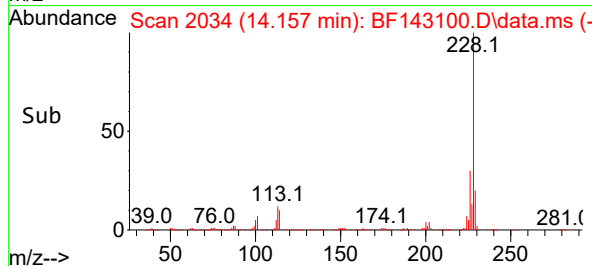
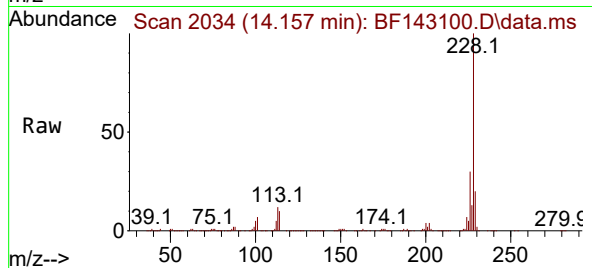
229 19.8 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 80.495 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

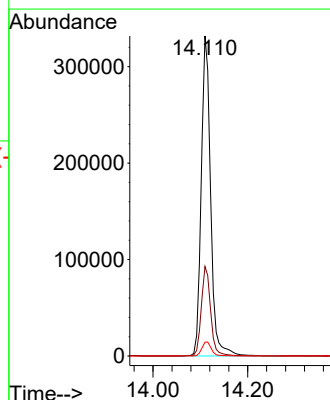
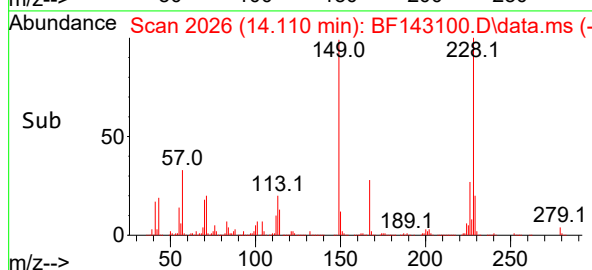
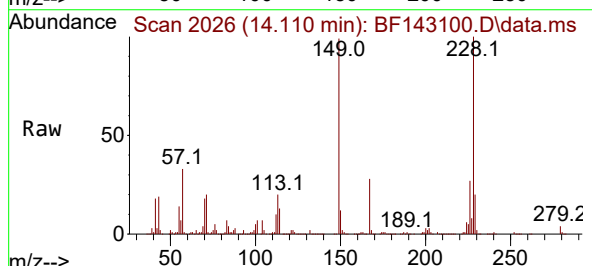
Tgt Ion:149 Resp: 458210

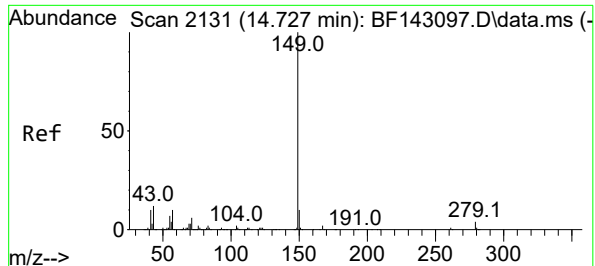
Ion Ratio Lower Upper

149 100

167 27.9 21.9 32.9

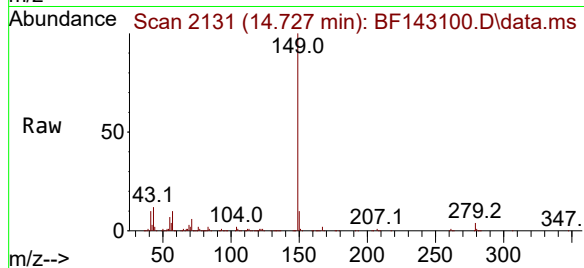
279 4.3 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 82.209 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

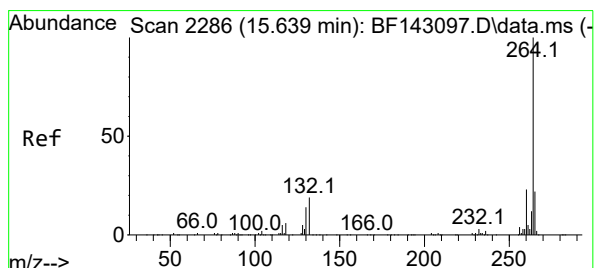
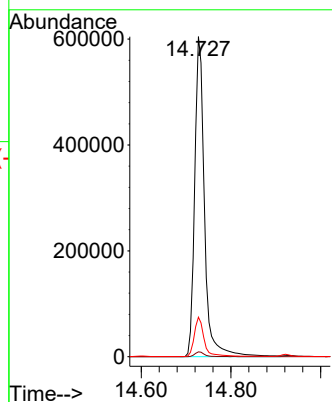
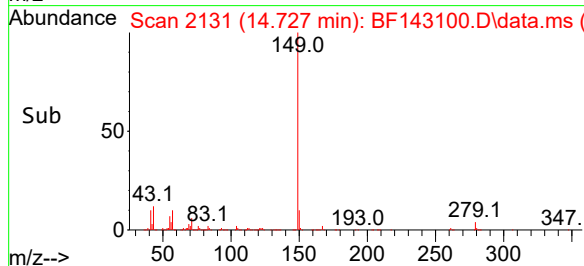
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



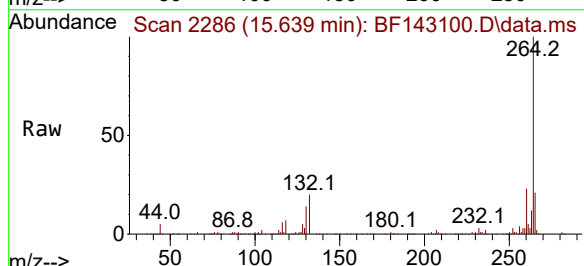
Tgt Ion:149 Resp: 916748
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.3 10.6 16.0

Manual Integrations
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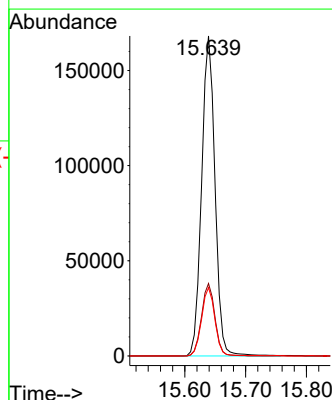
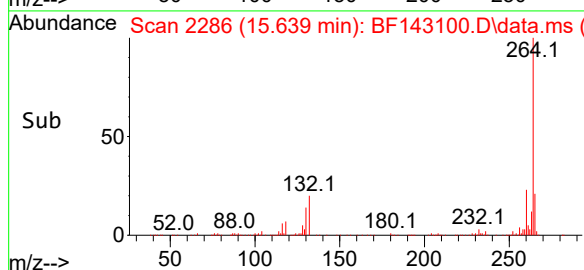
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

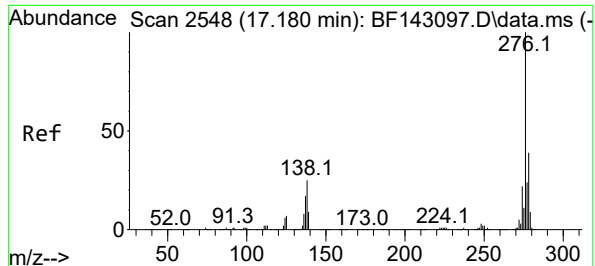


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35



Tgt Ion:264 Resp: 256691
Ion Ratio Lower Upper
264 100
260 22.6 18.5 27.7
265 21.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 79.082 ng

RT: 17.192 min Scan# 2111

Delta R.T. 0.012 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:276 Resp: 150981

Ion Ratio Lower Upper

276 100

138 26.8 22.6 34.0

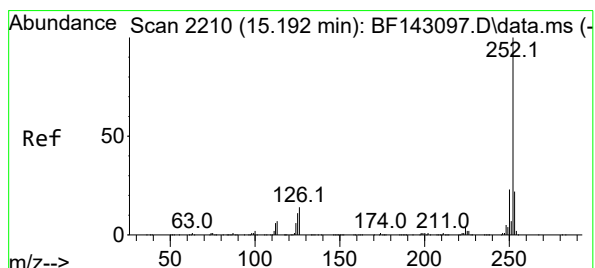
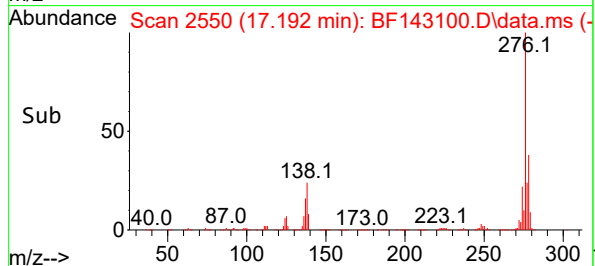
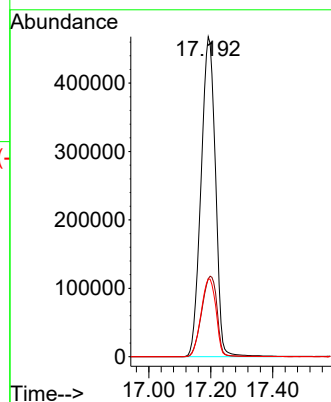
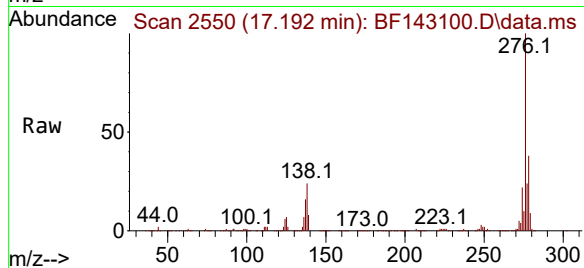
277 25.3 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#88

Benzo(b)fluoranthene

Concen: 75.360 ng

RT: 15.198 min Scan# 2211

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

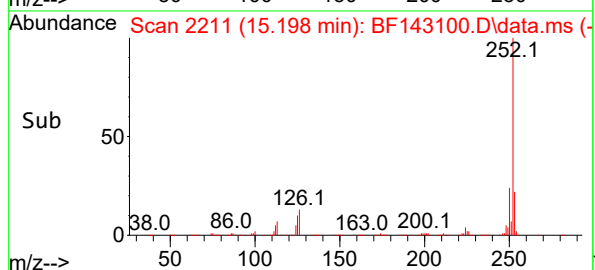
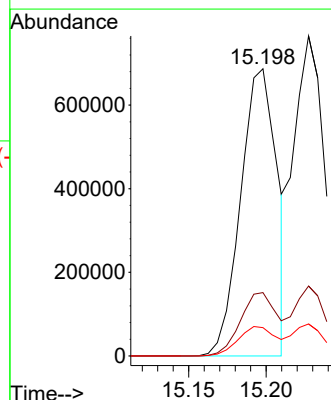
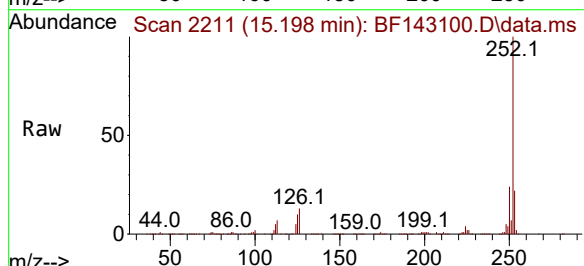
Tgt Ion:252 Resp: 1115815

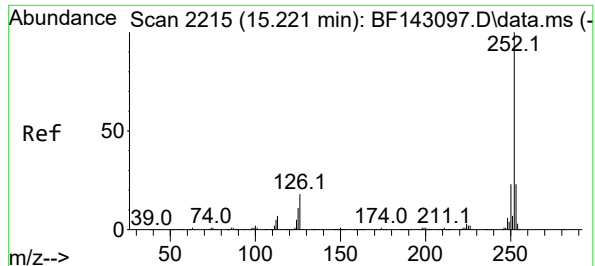
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 9.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 76.736 ng

RT: 15.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1083939

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

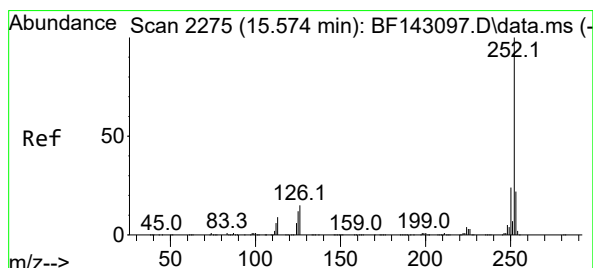
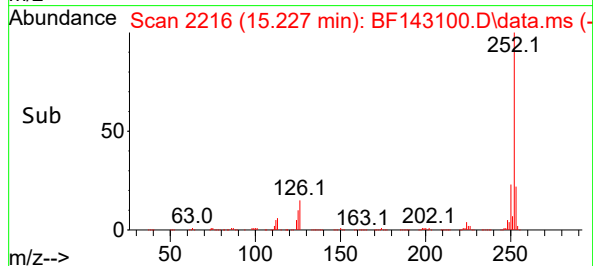
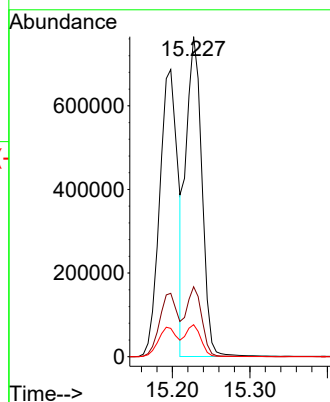
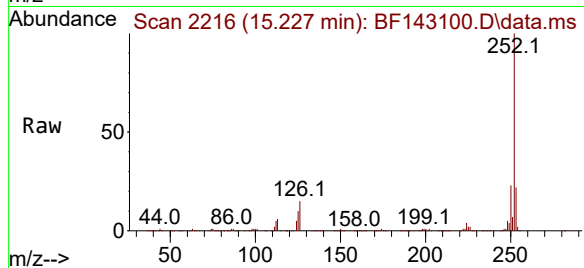
125 10.0 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#90

Benzo(a)pyrene

Concen: 79.071 ng

RT: 15.580 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

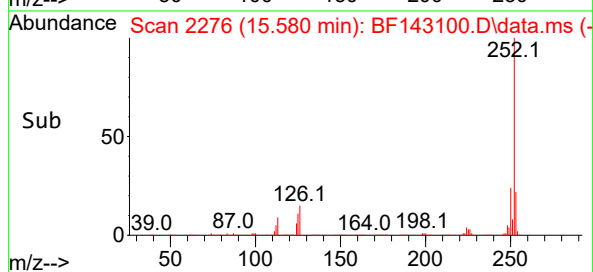
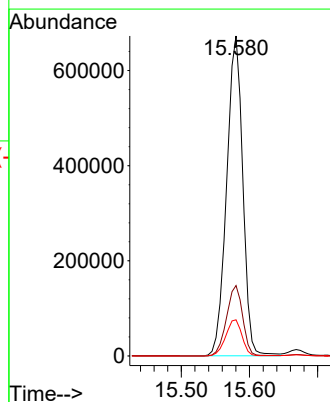
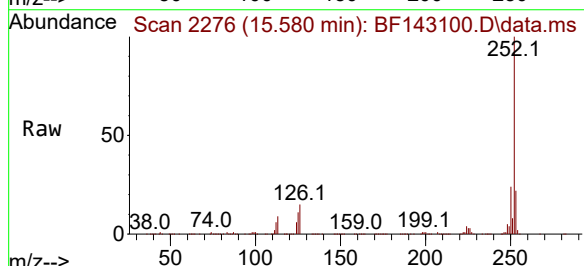
Tgt Ion:252 Resp: 1107280

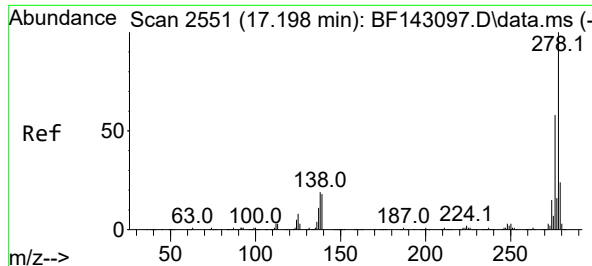
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

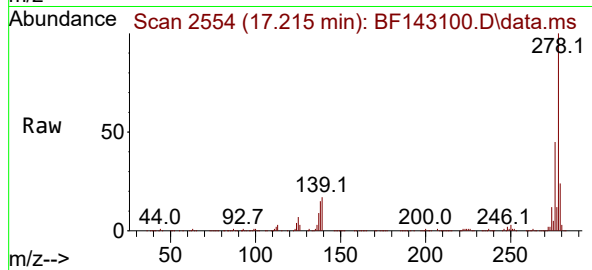
125 11.3 9.4 14.0





#91
Dibenzo(a,h)anthracene
Concen: 77.528 ng
RT: 17.215 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

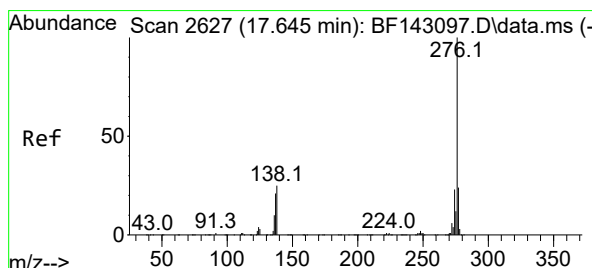
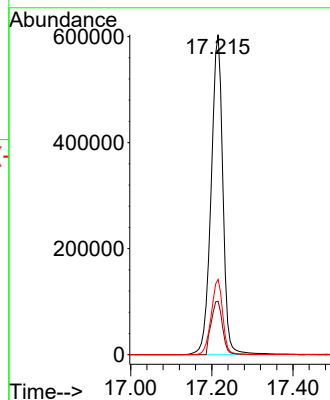
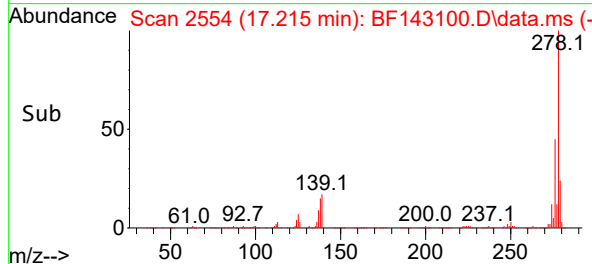
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:278 Resp: 120997
Ion Ratio Lower Upper
278 100
139 16.7 14.6 22.0
279 23.5 18.8 28.2

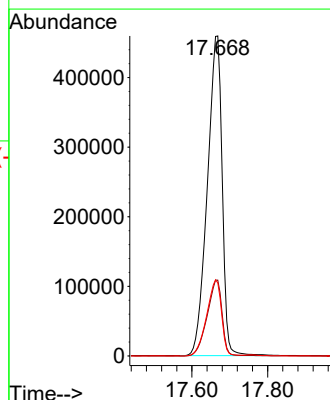
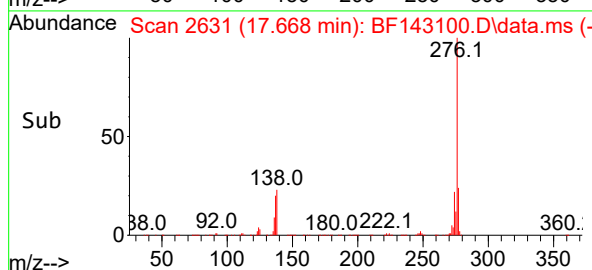
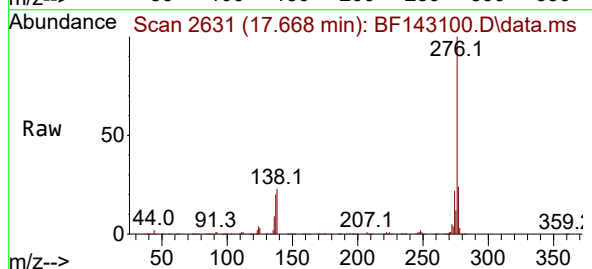
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 78.321 ng
RT: 17.668 min Scan# 2631
Delta R.T. 0.024 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:276 Resp: 1246206
Ion Ratio Lower Upper
276 100
277 23.7 19.2 28.8
138 22.8 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143101.D
 Acq On : 15 Jul 2025 17:27
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:54:55 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 15 17:53:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	130235	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	496378	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	248221	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	398969	20.000	ng	0.00
76) Chrysene-d12	14.133	240	215152	20.000	ng	0.00
86) Perylene-d12	15.639	264	235493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	649544	78.799	ng	0.00
7) Phenol-d6	6.587	99	814393	78.598	ng	0.00
23) Nitrobenzene-d5	7.528	82	692735m	78.289	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	190277	85.971	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1290148	69.090	ng	0.00
79) Terphenyl-d14	13.074	244	1064372	72.317	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	156917	38.242	ng	99
3) Pyridine	3.581	79	426106	41.009	ng	99
4) n-Nitrosodimethylamine	3.522	42	223240	41.468	ng	98
6) Aniline	6.628	93	598787	41.038	ng	100
8) 2-Chlorophenol	6.751	128	351129	42.397	ng	99
9) Benzaldehyde	6.516	77	293033	37.115	ng	99
10) Phenol	6.598	94	467536m	41.681	ng	
11) bis(2-Chloroethyl)ether	6.698	93	354713	40.848	ng	99
12) 1,3-Dichlorobenzene	6.910	146	380756	40.694	ng	100
13) 1,4-Dichlorobenzene	6.987	146	381590	40.539	ng	100
14) 1,2-Dichlorobenzene	7.139	146	366082	40.782	ng	99
15) Benzyl Alcohol	7.098	79	325035	42.336	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	644651	40.273	ng	100
17) 2-Methylphenol	7.204	107	296835	41.532	ng	99
18) Hexachloroethane	7.486	117	132499	43.239	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	266499	41.982	ng	100
20) 3+4-Methylphenols	7.363	107	368618	42.057	ng	99
22) Acetophenone	7.375	105	482823	40.351	ng	99
24) Nitrobenzene	7.545	77	381374	44.647	ng	99
25) Isophorone	7.786	82	704424	41.188	ng	100
26) 2-Nitrophenol	7.863	139	150156	44.317	ng	100
27) 2,4-Dimethylphenol	7.892	122	333899	42.064	ng	100
28) bis(2-Chloroethoxy)met...	7.992	93	423022	40.789	ng	100
29) 2,4-Dichlorophenol	8.098	162	283011	43.580	ng	99
30) 1,2,4-Trichlorobenzene	8.192	180	303602	41.194	ng	99
31) Naphthalene	8.275	128	999363	40.543	ng	99
32) Benzoic acid	7.986	122	169020m	43.449	ng	
33) 4-Chloroaniline	8.310	127	408741	41.236	ng	99
34) Hexachlorobutadiene	8.392	225	182140	41.324	ng	99
35) Caprolactam	8.675	113	88286	43.536	ng	95
36) 4-Chloro-3-methylphenol	8.786	107	306624	42.387	ng	99
37) 2-Methylnaphthalene	8.963	142	597819	40.654	ng	100
38) 1-Methylnaphthalene	9.063	142	624130	40.922	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	293187	40.531	ng	99
41) Hexachlorocyclopentadiene	9.122	237	180819	45.086	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	197565	43.955	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143101.D
 Acq On : 15 Jul 2025 17:27
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071525

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/16/2025
 Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:54:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

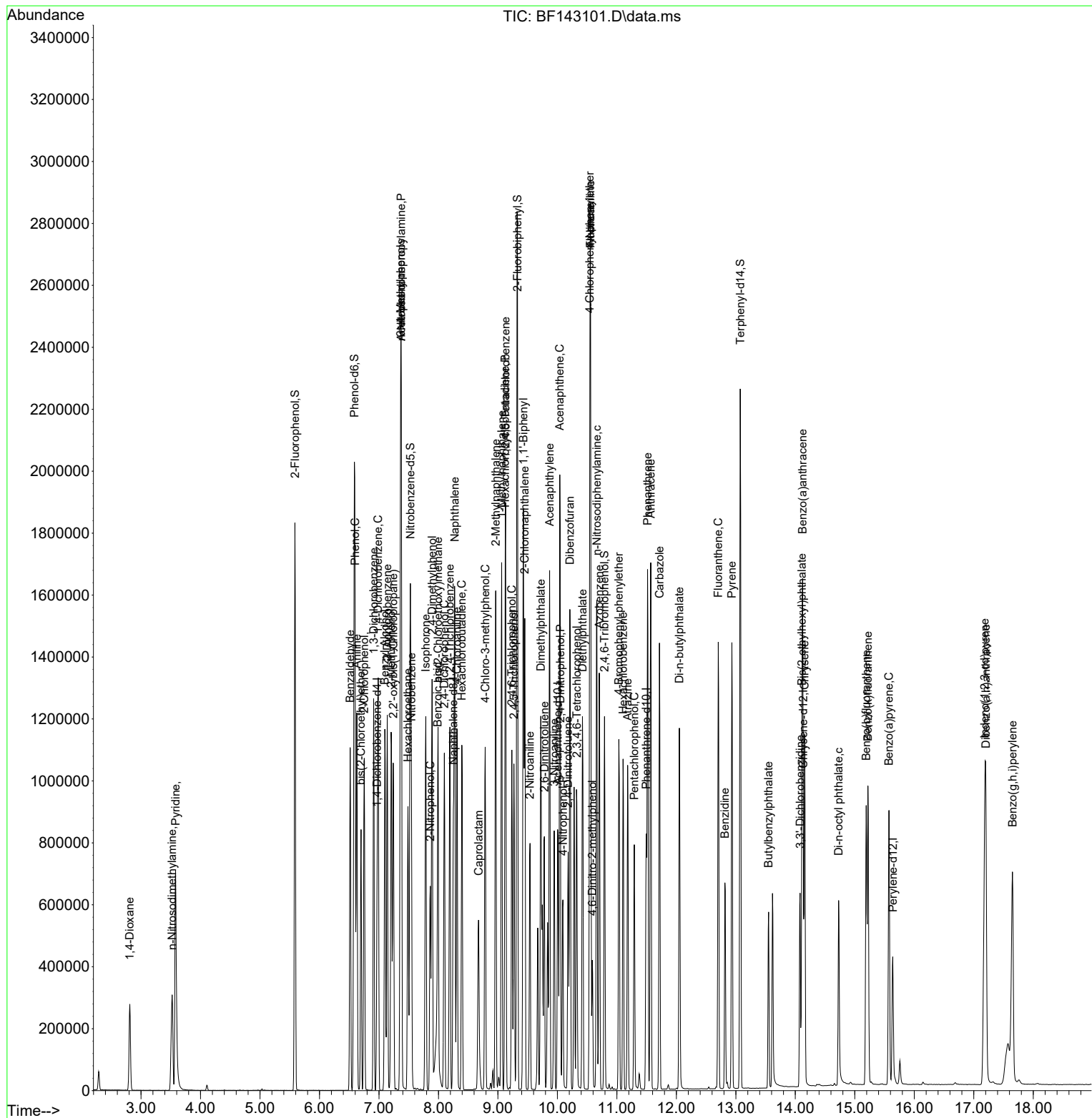
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	202658	43.001	ng	99
46) 1,1'-Biphenyl	9.428	154	799467	40.387	ng	100
47) 2-Chloronaphthalene	9.451	162	584687	40.207	ng	100
48) 2-Nitroaniline	9.539	65	185847	43.148	ng	96
49) Acenaphthylene	9.869	152	987106	40.736	ng	99
50) Dimethylphthalate	9.722	163	644618	41.279	ng	100
51) 2,6-Dinitrotoluene	9.780	165	132241	43.156	ng	92
52) Acenaphthene	10.039	154	571724	39.982	ng	99
53) 3-Nitroaniline	9.945	138	160978	47.707	ng	99
54) 2,4-Dinitrophenol	10.051	184	46465	47.113	ng	# 1
55) Dibenzofuran	10.210	168	858944	40.300	ng	100
56) 4-Nitrophenol	10.092	139	122610	45.720	ng	96
57) 2,4-Dinitrotoluene	10.180	165	168227	43.964	ng	99
58) Fluorene	10.557	166	634897	39.732	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.327	232	168172	44.902	ng	98
60) Diethylphthalate	10.422	149	637247	42.297	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	313111	40.882	ng	98
62) 4-Nitroaniline	10.557	138	139342	47.486	ng	98
63) Azobenzene	10.704	77	680354	40.833	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	65266	44.754	ng	98
66) n-Nitrosodiphenylamine	10.663	169	563086	40.179	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	189573	41.782	ng	100
68) Hexachlorobenzene	11.104	284	196969	40.915	ng	99
69) Atrazine	11.180	200	158741	44.273	ng	98
70) Pentachlorophenol	11.292	266	118797	44.978	ng	99
71) Phenanthrene	11.516	178	871369	40.469	ng	100
72) Anthracene	11.569	178	887738	40.999	ng	100
73) Carbazole	11.716	167	791886	40.823	ng	99
74) Di-n-butylphthalate	12.051	149	820833	46.099	ng	100
75) Fluoranthene	12.704	202	824497	42.113	ng	100
77) Benzidine	12.816	184	350573	47.827	ng	98
78) Pyrene	12.933	202	820201	41.087	ng	100
80) Butylbenzylphthalate	13.551	149	172390	43.340	ng	100
81) Benzo(a)anthracene	14.121	228	583794	40.719	ng	100
82) 3,3'-Dichlorobenzidine	14.080	252	183371	44.044	ng	99
83) Chrysene	14.157	228	530018	40.139	ng	98
84) Bis(2-ethylhexyl)phtha...	14.110	149	239329	40.166	ng	99
85) Di-n-octyl phthalate	14.727	149	424959	38.648	ng	100
87) Indeno(1,2,3-cd)pyrene	17.186	276	744447	42.503	ng	100
88) Benzo(b)fluoranthene	15.192	252	594727	43.782	ng	100
89) Benzo(k)fluoranthene	15.221	252	513977	39.662	ng	99
90) Benzo(a)pyrene	15.574	252	548875	42.724	ng	99
91) Dibenzo(a,h)anthracene	17.203	278	611881	42.735	ng	99
92) Benzo(g,h,i)perylene	17.651	276	632939	43.359	ng	99

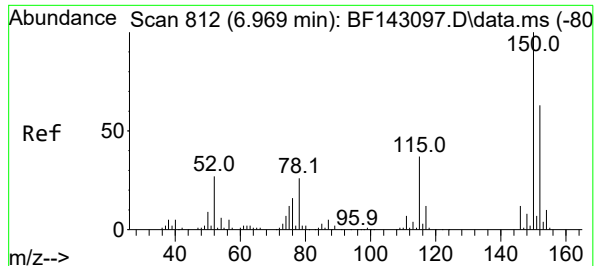
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations

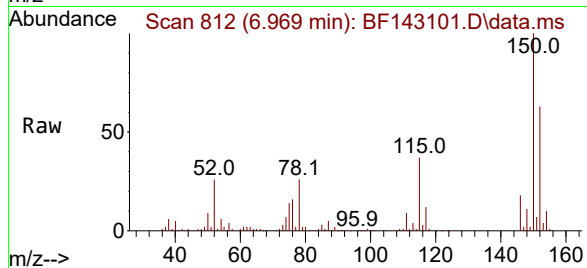
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jaagrut Upadhyay 07/16/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

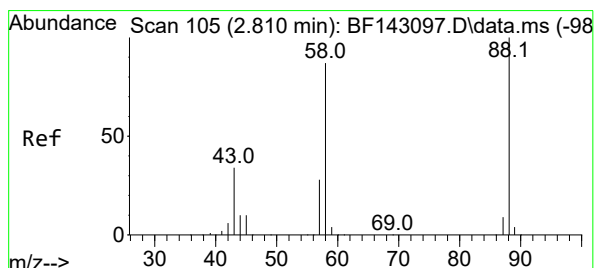
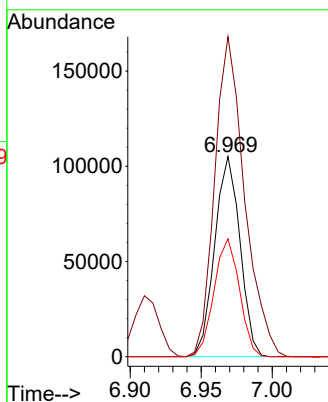
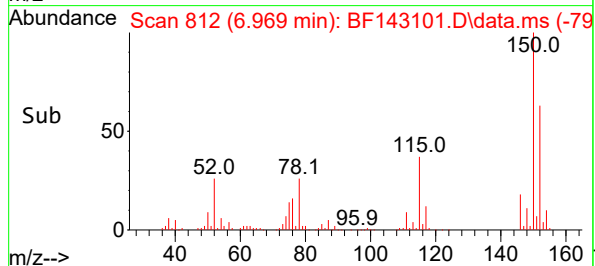
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:152 Resp: 130235
Ion Ratio Lower Upper
152 100
150 159.9 126.5 189.7
115 58.9 47.0 70.6

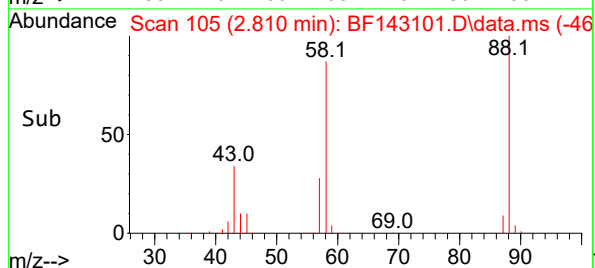
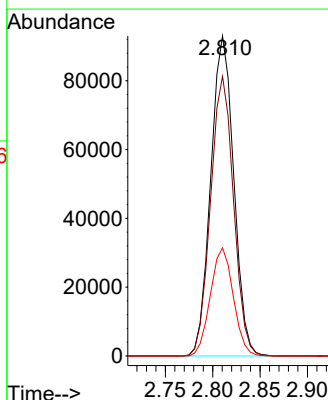
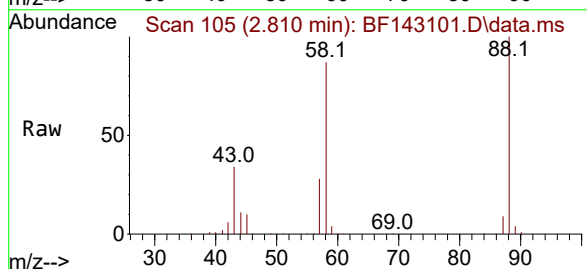
Manual Integrations
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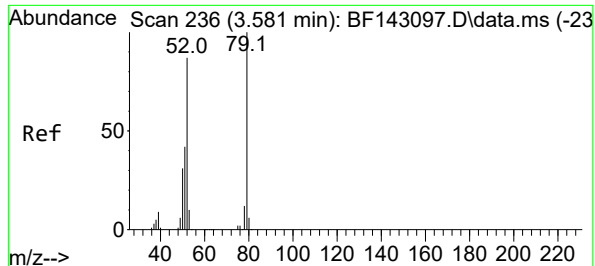
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#2
1,4-Dioxane
Concen: 38.242 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

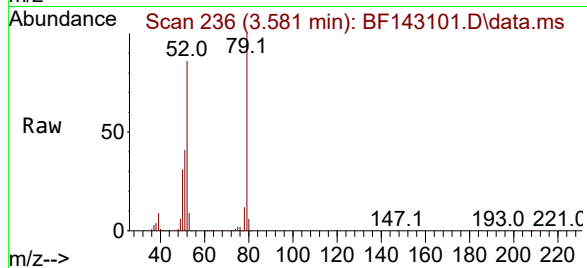
Tgt Ion: 88 Resp: 156917
Ion Ratio Lower Upper
88 100
58 87.3 70.5 105.7
43 33.7 27.3 40.9





#3
Pyridine
Concen: 41.009 ng
RT: 3.581 min Scan# 236
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

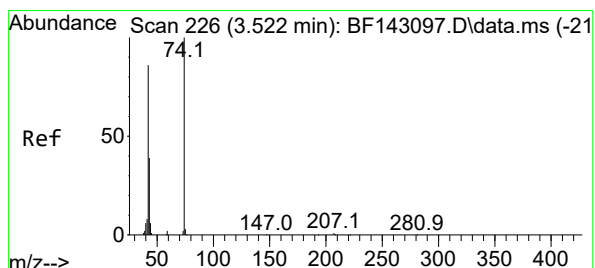
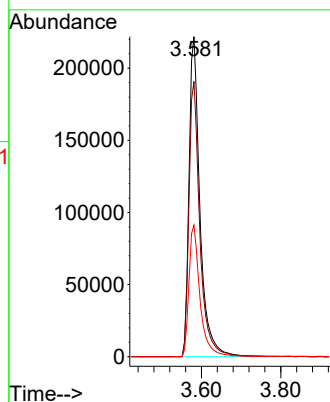
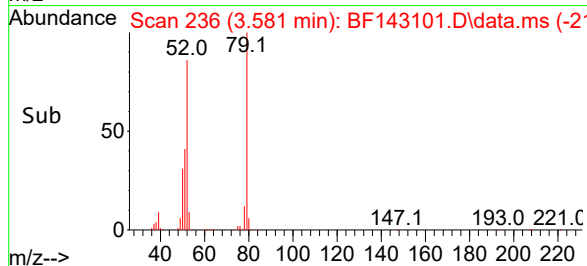
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion: 79 Resp: 426100
Ion Ratio Lower Upper
79 100
52 86.0 69.2 103.8
51 41.1 33.3 49.9

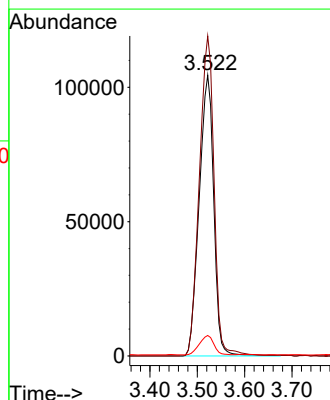
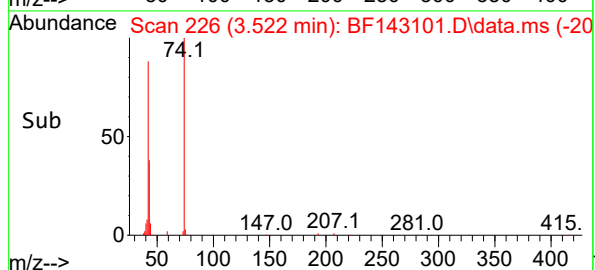
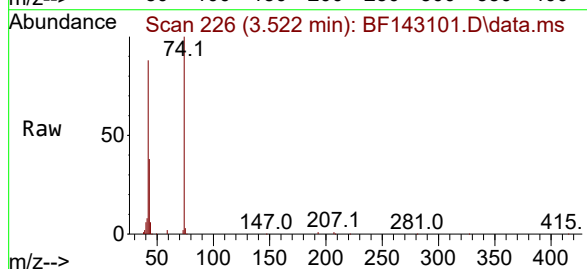
Manual Integrations
APPROVED

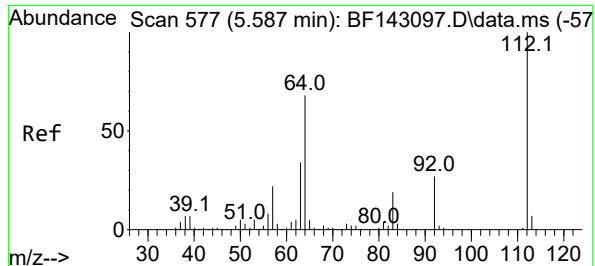
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#4
n-Nitrosodimethylamine
Concen: 41.468 ng
RT: 3.522 min Scan# 226
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

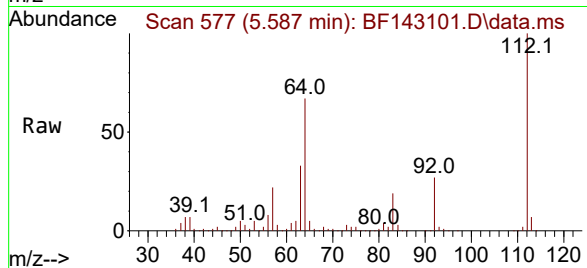
Tgt Ion: 42 Resp: 223240
Ion Ratio Lower Upper
42 100
74 114.0 92.8 139.2
44 7.3 5.8 8.6





#5
2-Fluorophenol
Concen: 78.799 ng
RT: 5.587 min Scan# 511
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

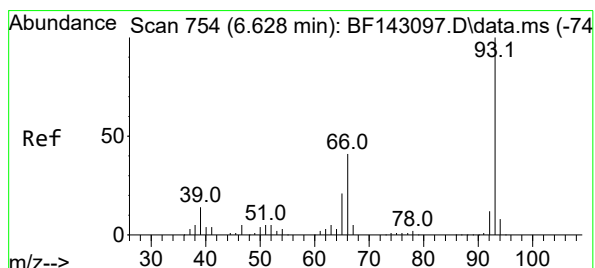
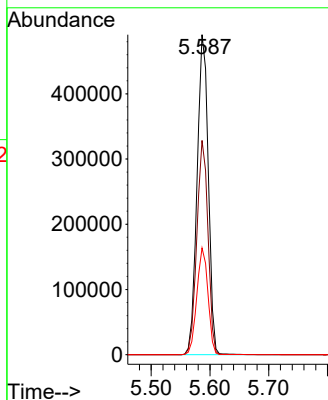
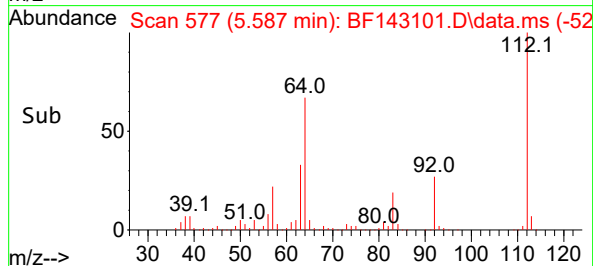
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:112 Resp: 649544
Ion Ratio Lower Upper
112 100
64 67.0 54.6 82.0
63 33.4 27.3 40.9

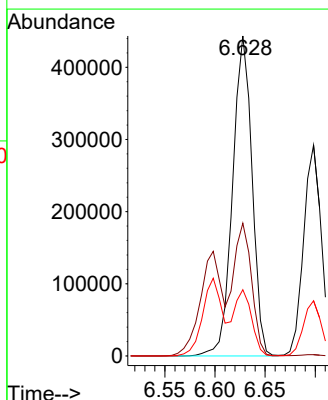
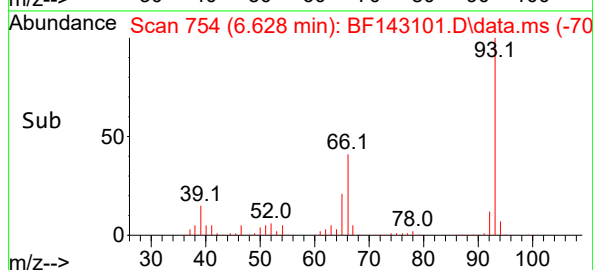
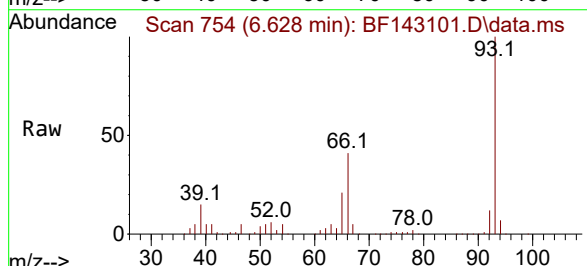
Manual Integrations
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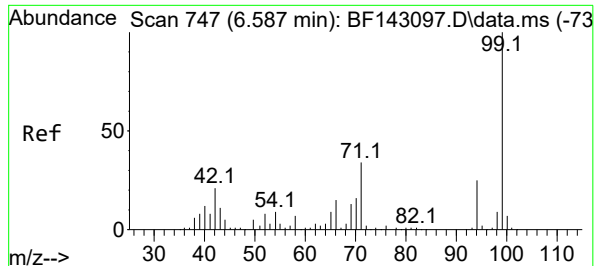
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#6
Aniline
Concen: 41.038 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 93 Resp: 598787
Ion Ratio Lower Upper
93 100
66 41.5 33.1 49.7
65 20.7 16.9 25.3





#7

Phenol-d6

Concen: 78.598 ng

RT: 6.587 min Scan# 747

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

Tgt Ion: 99 Resp: 81439

Ion Ratio Lower Upper

99 100

42 21.1 17.2 25.8

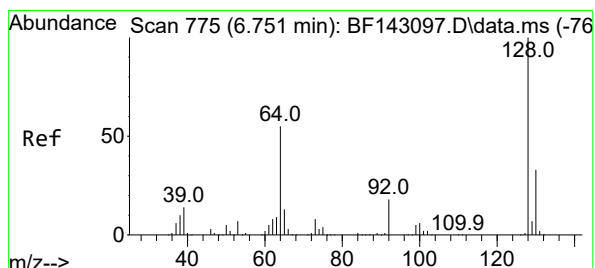
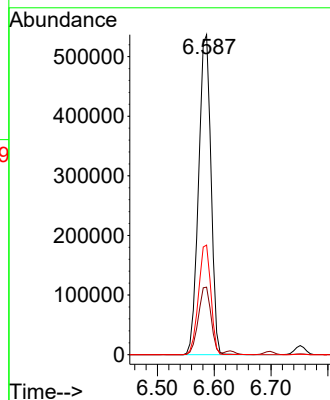
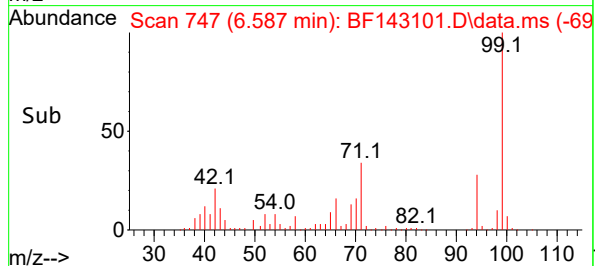
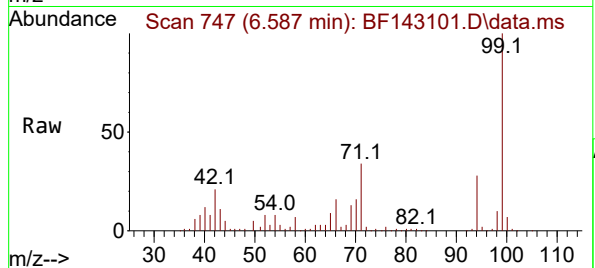
71 34.2 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#8

2-Chlorophenol

Concen: 42.397 ng

RT: 6.751 min Scan# 775

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

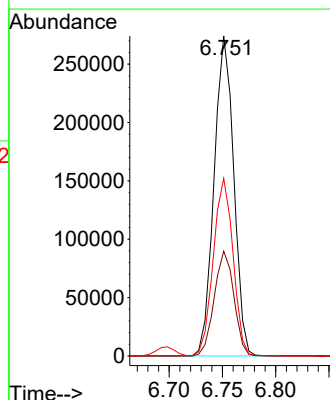
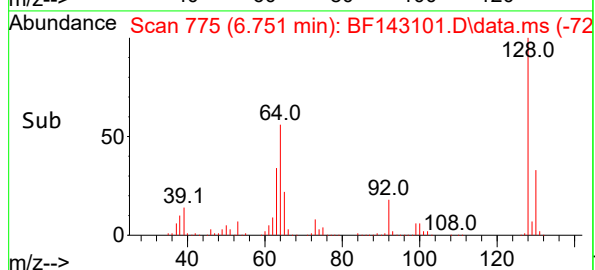
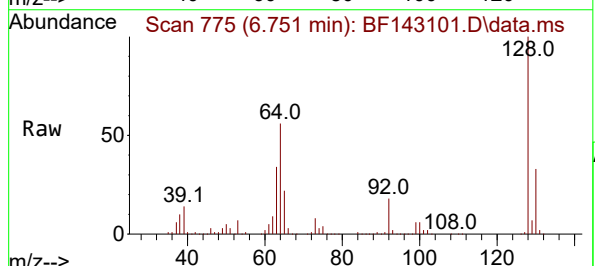
Tgt Ion:128 Resp: 351129

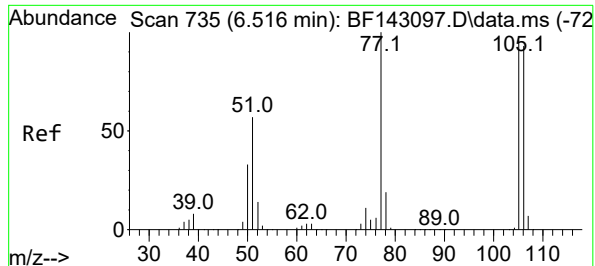
Ion Ratio Lower Upper

128 100

130 32.8 12.8 52.8

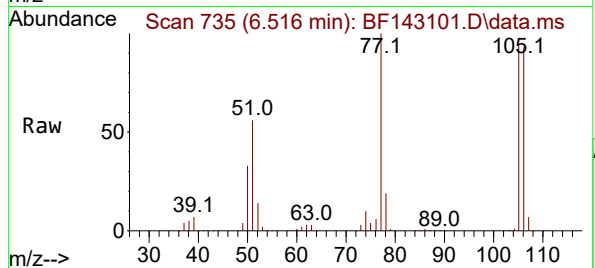
64 55.5 36.1 76.1





#9
Benzaldehyde
Concen: 37.115 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

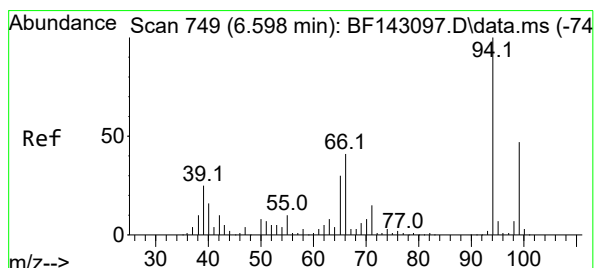
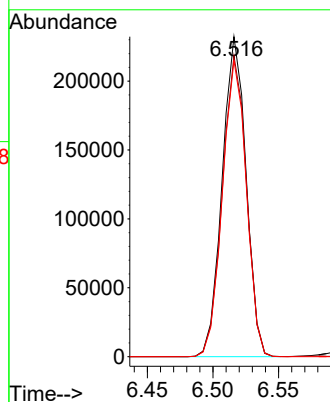
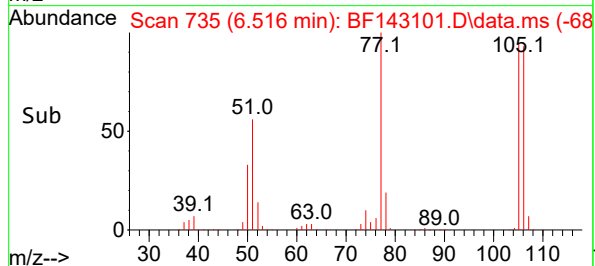
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion: 77 Resp: 29303
Ion Ratio Lower Upper
77 100
105 94.0 76.3 116.3
106 92.5 72.8 112.8

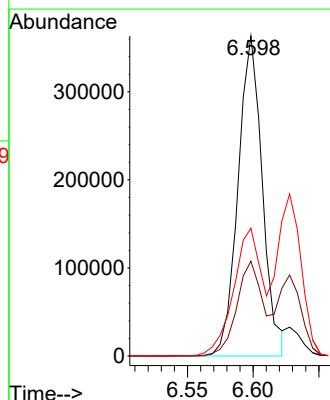
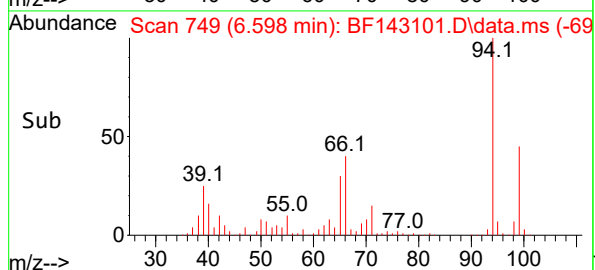
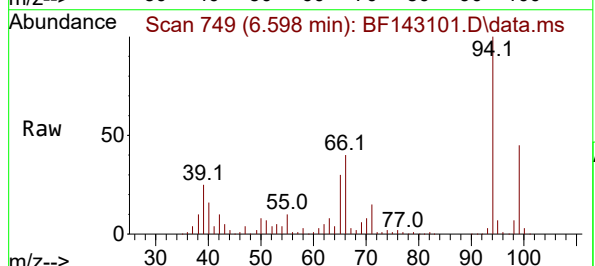
Manual Integrations
APPROVED

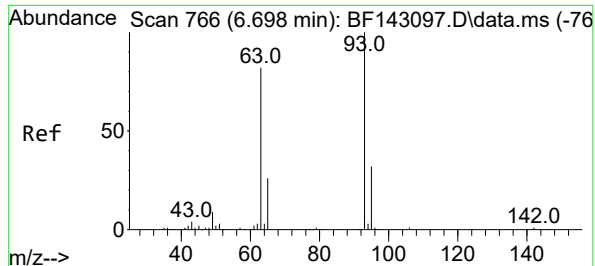
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#10
Phenol
Concen: 41.681 ng m
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 94 Resp: 467536
Ion Ratio Lower Upper
94 100
65 29.6 9.8 49.8
66 39.9 20.5 60.5





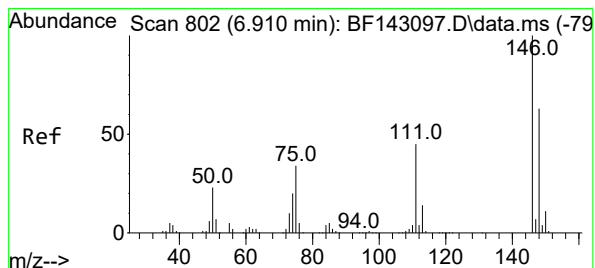
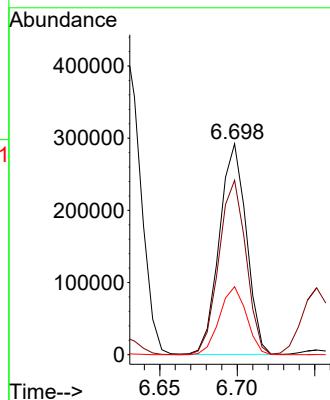
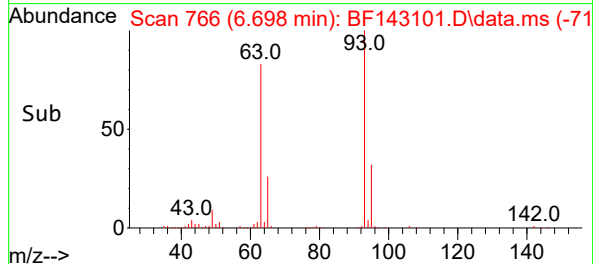
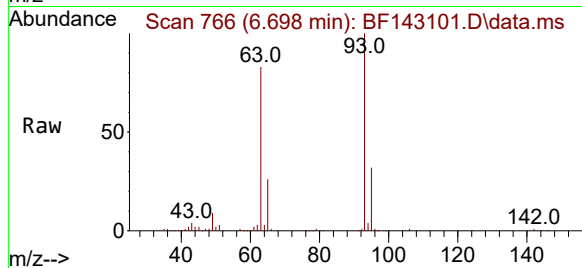
#11
bis(2-Chloroethyl)ether
Concen: 40.848 ng
RT: 6.698 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion: 93 Resp: 35471
Ion Ratio Lower Upper
93 100
63 82.7 61.9 101.9
95 32.3 12.2 52.2

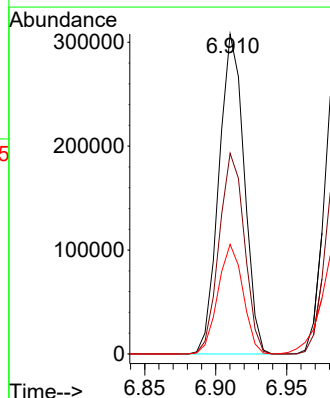
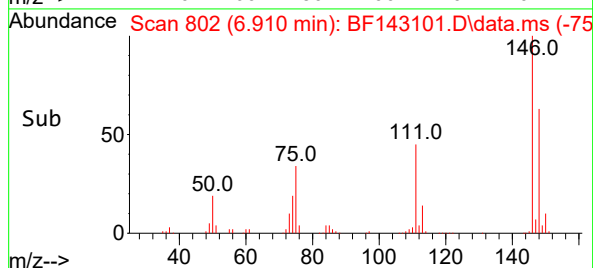
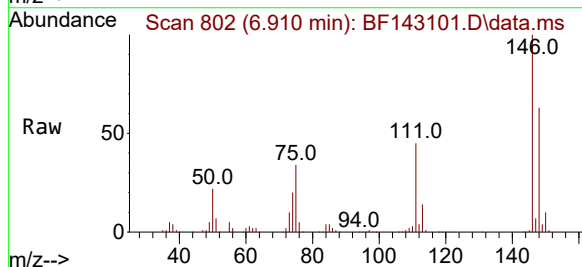
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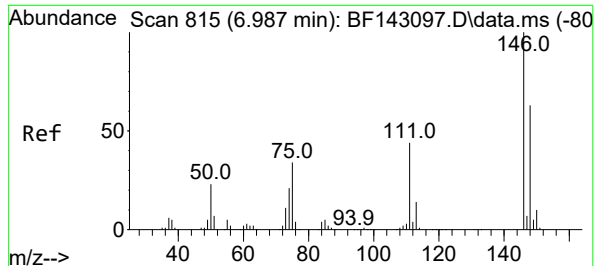
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#12
1,3-Dichlorobenzene
Concen: 40.694 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:146 Resp: 380756
Ion Ratio Lower Upper
146 100
148 62.7 50.1 75.1
75 34.2 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 40.539 ng

RT: 6.987 min Scan# 815

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

Tgt Ion:146 Resp: 381590

Ion Ratio Lower Upper

146 100

148 63.2 50.6 76.0

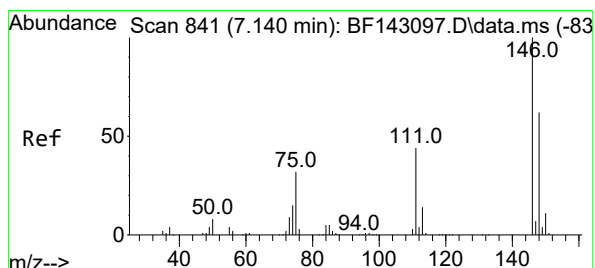
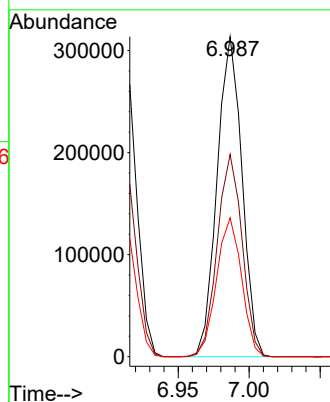
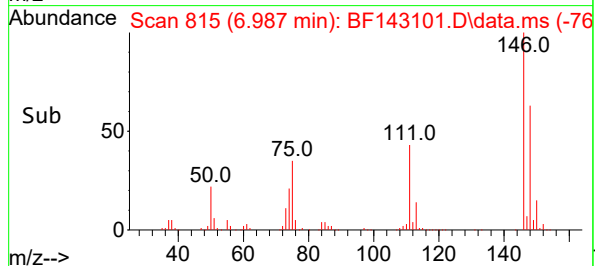
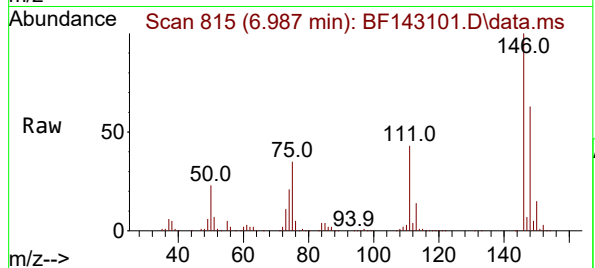
111 43.4 35.0 52.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#14

1,2-Dichlorobenzene

Concen: 40.782 ng

RT: 7.139 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

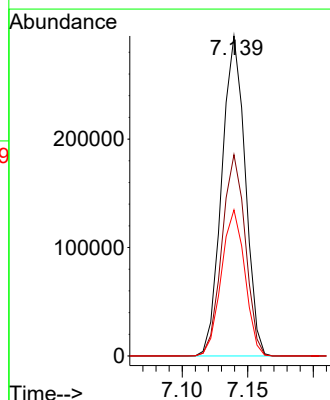
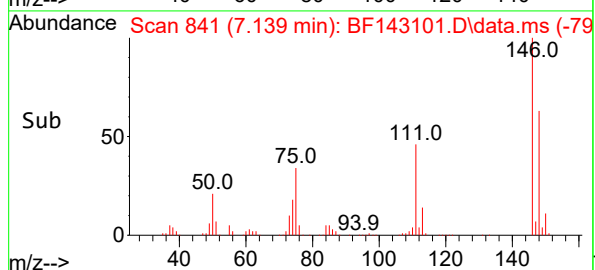
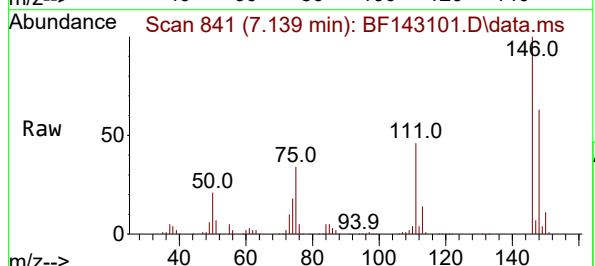
Tgt Ion:146 Resp: 366082

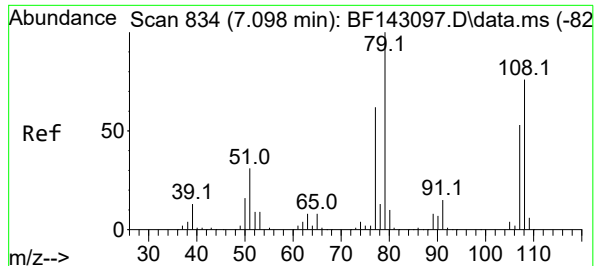
Ion Ratio Lower Upper

146 100

148 62.9 49.8 74.6

111 45.7 35.4 53.0





#15

Benzyl Alcohol

Concen: 42.336 ng

RT: 7.098 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF143101.D

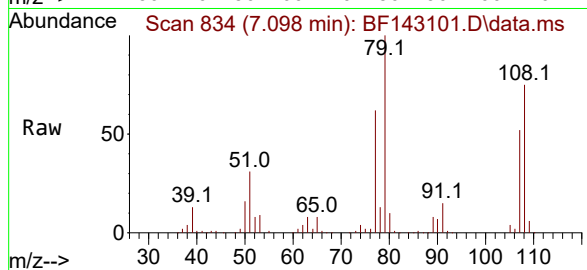
Acq: 15 Jul 2025 17:27

Instrument :

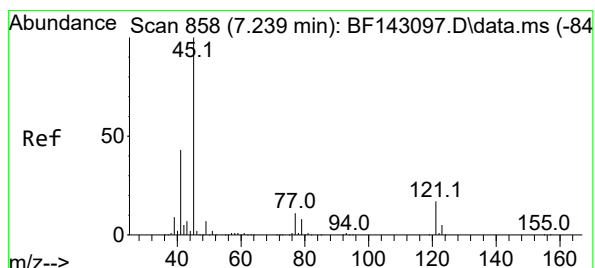
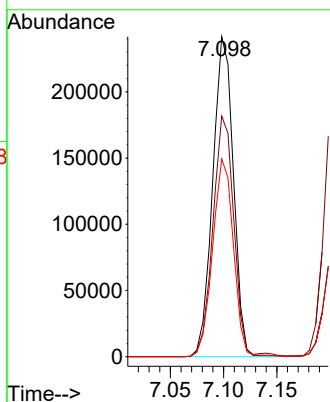
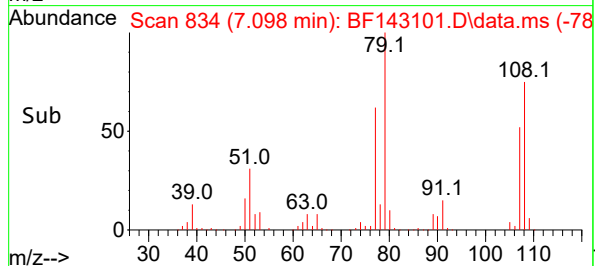
BNA_F

ClientSampleId :

ICVBF071525



Tgt Ion: 79	Resp: 32503
Ion Ratio	Lower Upper
79	100
108	75.2 61.1 91.7
77	61.8 49.9 74.9

Manual Integrations
APPROVEDReviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

#16

2,2'-oxybis(1-Chloropropane)

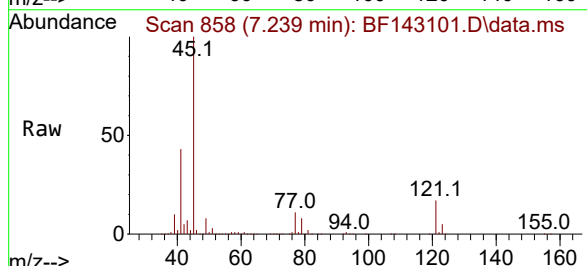
Concen: 40.273 ng

RT: 7.239 min Scan# 858

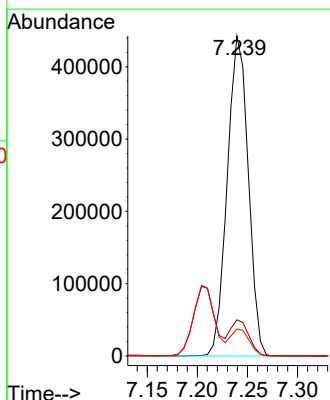
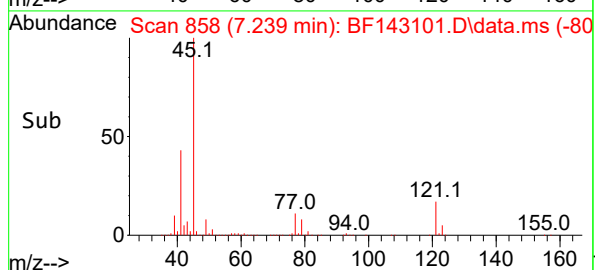
Delta R.T. -0.000 min

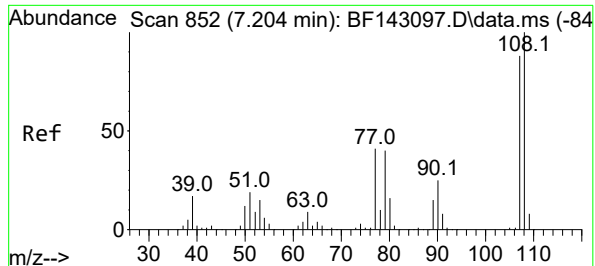
Lab File: BF143101.D

Acq: 15 Jul 2025 17:27



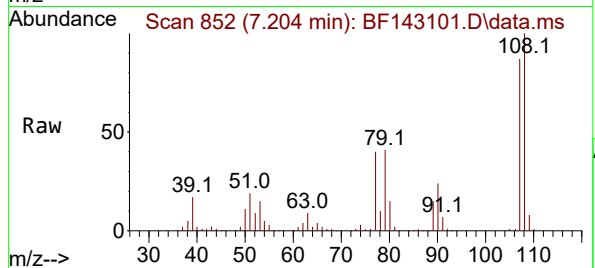
Tgt Ion: 45	Resp: 644651
Ion Ratio	Lower Upper
45	100
77	11.3 0.0 31.1
79	8.4 0.0 28.4





#17
2-Methylphenol
Concen: 41.532 ng
RT: 7.204 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

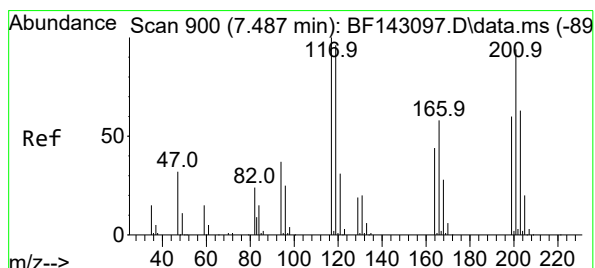
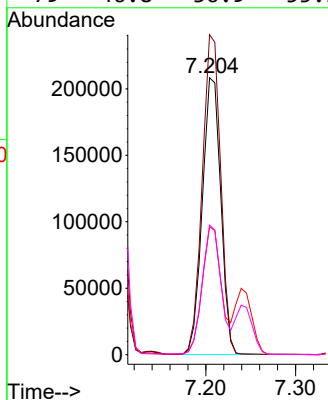
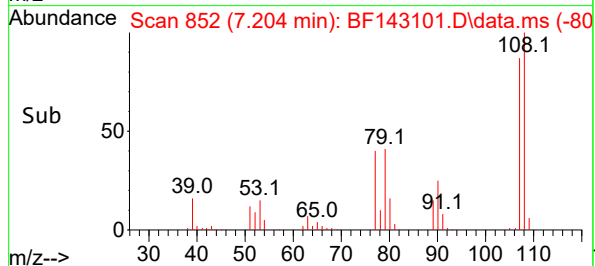
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:107 Resp: 296835
Ion Ratio Lower Upper
107 100
108 115.5 90.9 136.3
77 46.3 37.5 56.3
79 46.8 36.9 55.3

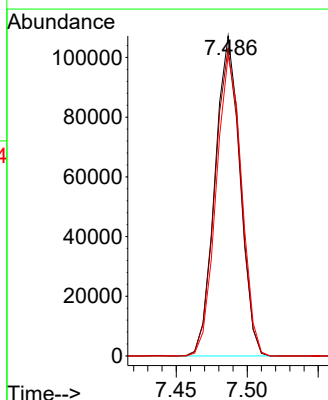
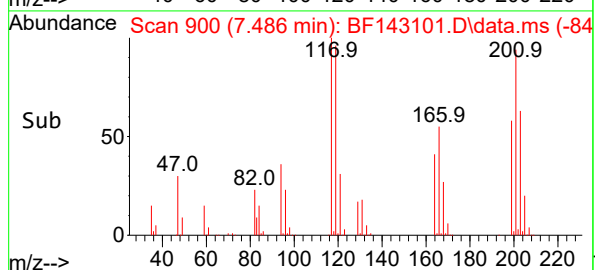
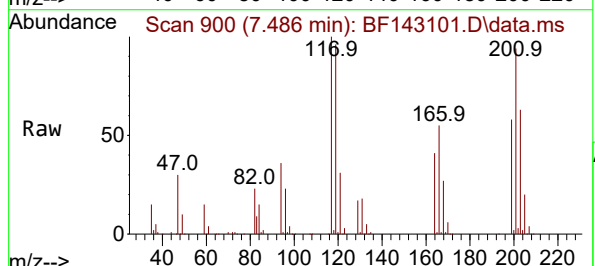
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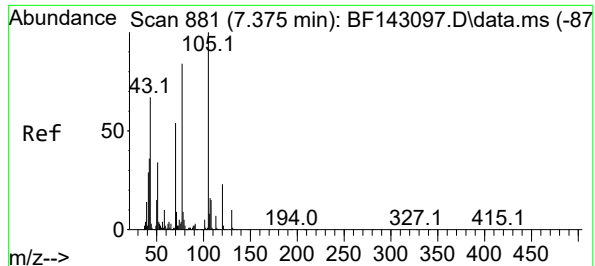
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#18
Hexachloroethane
Concen: 43.239 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:117 Resp: 132499
Ion Ratio Lower Upper
117 100
119 96.3 76.7 115.1
201 93.9 75.0 112.4





#19

n-Nitroso-di-n-propylamine

Concen: 41.982 ng

RT: 7.375 min Scan# 881

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

Tgt Ion: 70 Resp: 266499

Ion Ratio Lower Upper

70 100

42 66.7 53.2 79.8

101 9.5 7.5 11.3

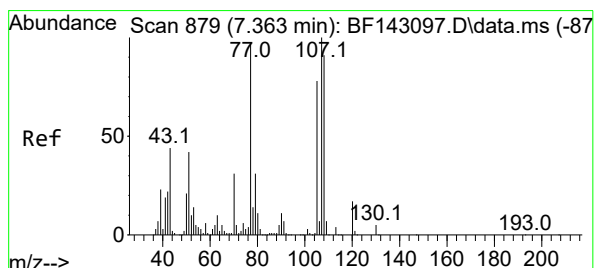
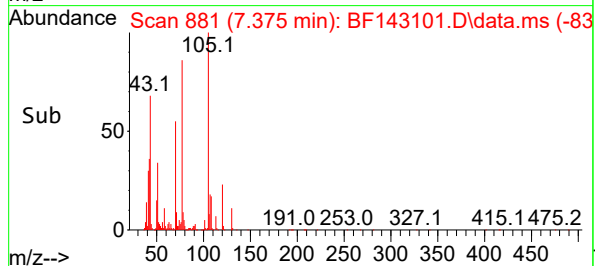
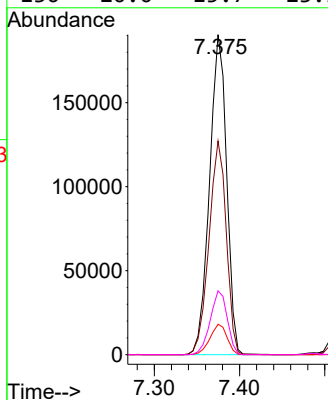
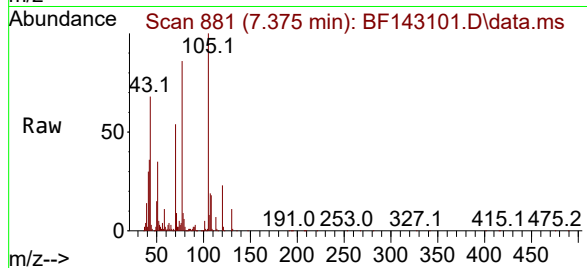
130 20.0 15.7 23.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#20

3+4-Methylphenols

Concen: 42.057 ng

RT: 7.363 min Scan# 879

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Tgt Ion:107 Resp: 368618

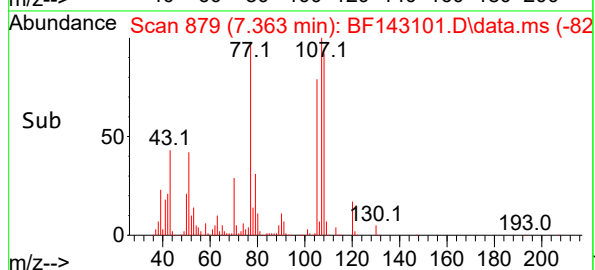
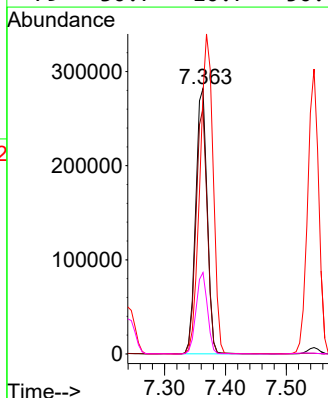
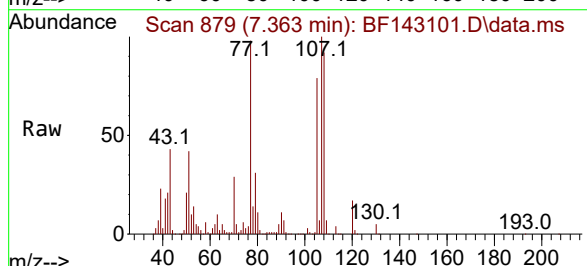
Ion Ratio Lower Upper

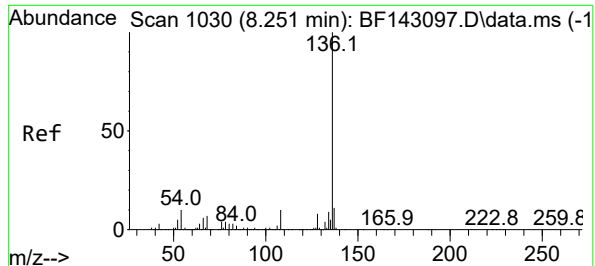
107 100

108 92.5 71.3 111.3

77 98.3 77.2 117.2

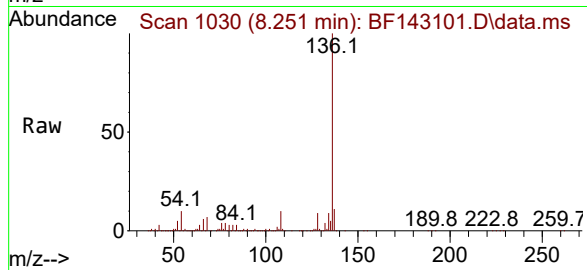
79 30.7 10.7 50.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

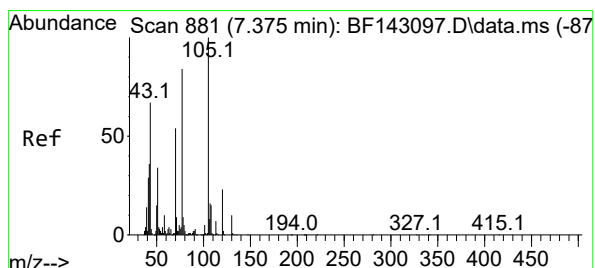
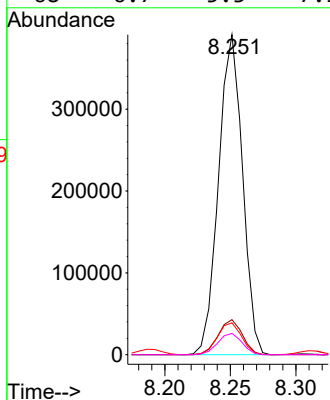
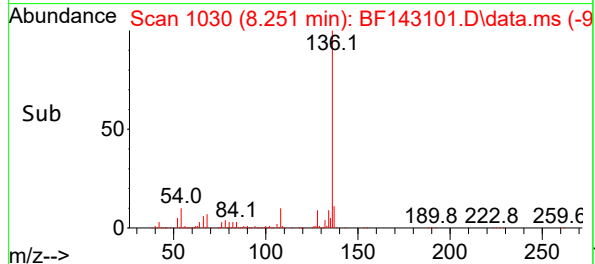
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:136 Resp: 496378
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.9 8.3 12.5
68 6.7 5.3 7.9

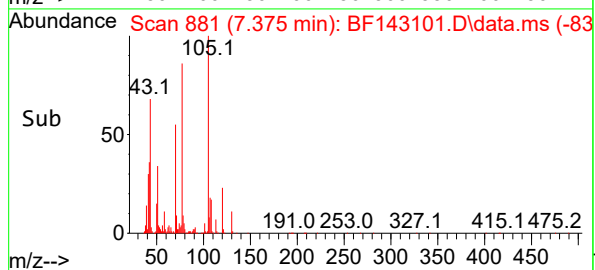
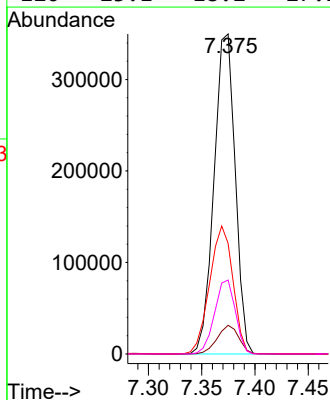
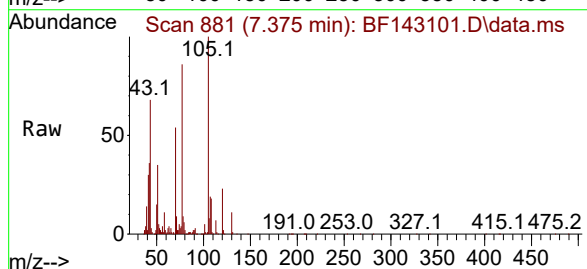
Manual Integrations
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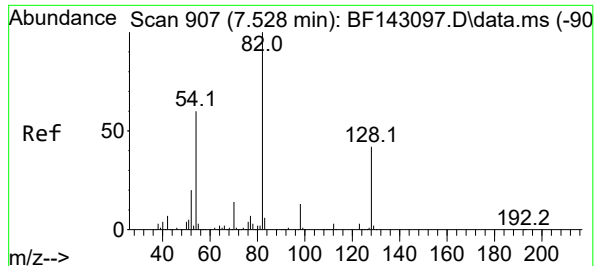
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#22
Acetophenone
Concen: 40.351 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:105 Resp: 482823
Ion Ratio Lower Upper
105 100
71 9.0 7.2 10.8
51 34.6 27.0 40.4
120 23.1 18.2 27.2





#23

Nitrobenzene-d5

Concen: 78.289 ng m

RT: 7.528 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

Tgt Ion: 82 Resp: 692735

Ion Ratio Lower Upper

82 100

128 42.8 33.3 49.9

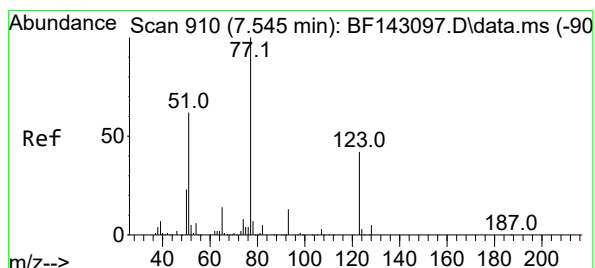
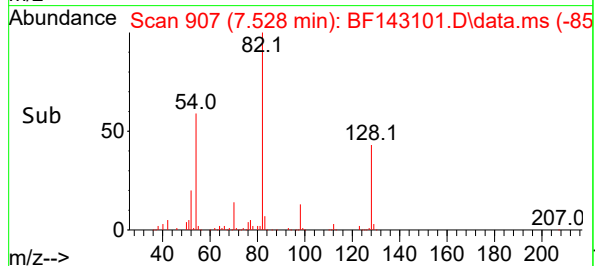
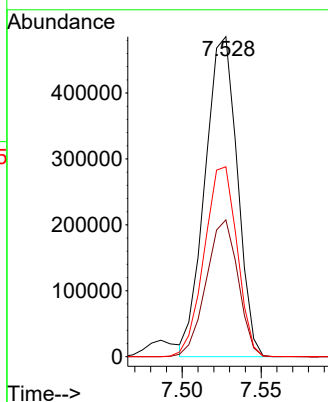
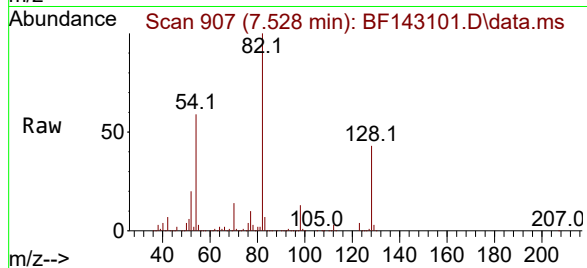
54 59.4 47.4 71.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#24

Nitrobenzene

Concen: 44.647 ng

RT: 7.545 min Scan# 910

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

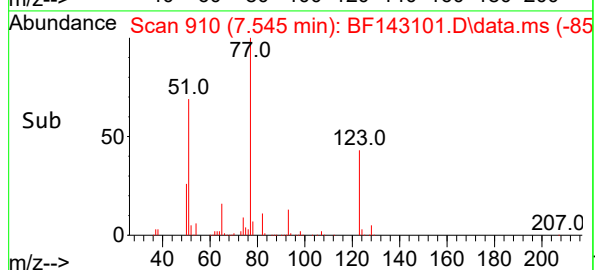
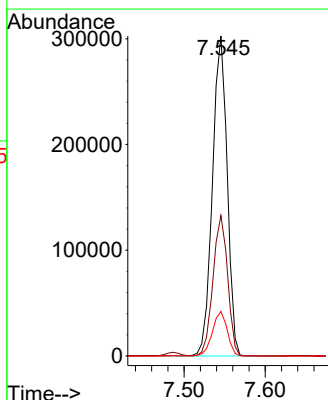
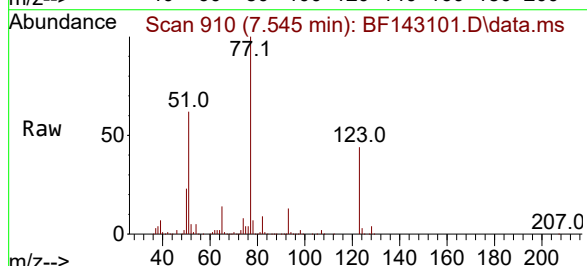
Tgt Ion: 77 Resp: 381374

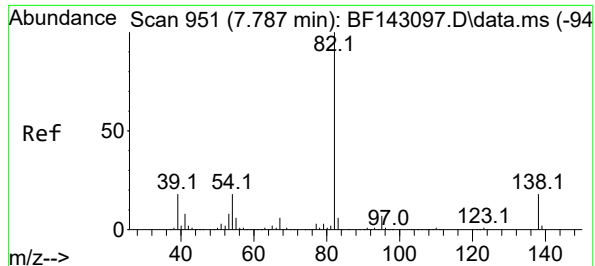
Ion Ratio Lower Upper

77 100

123 43.9 34.5 51.7

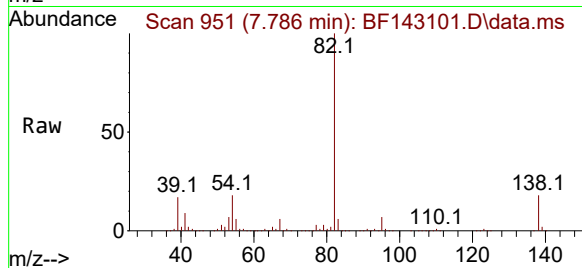
65 13.9 11.3 16.9





#25
Isophorone
Concen: 41.188 ng
RT: 7.786 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

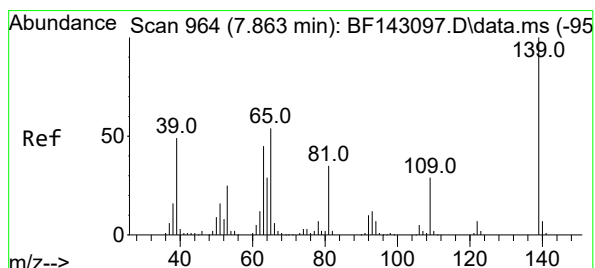
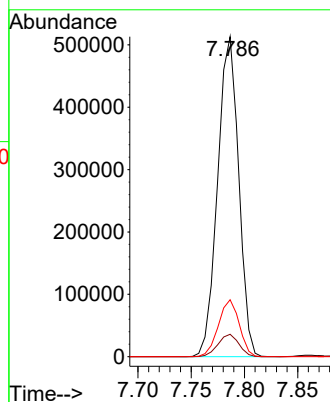
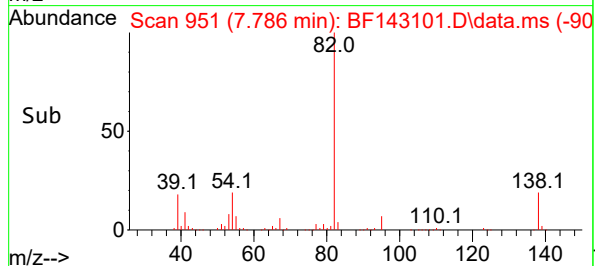
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion: 82 Resp: 704424
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 17.8 14.3 21.5

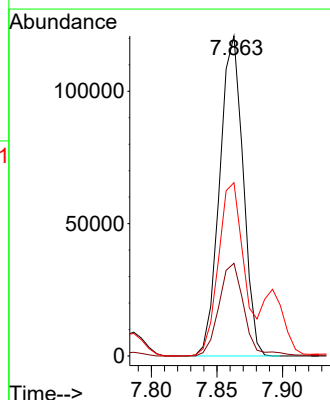
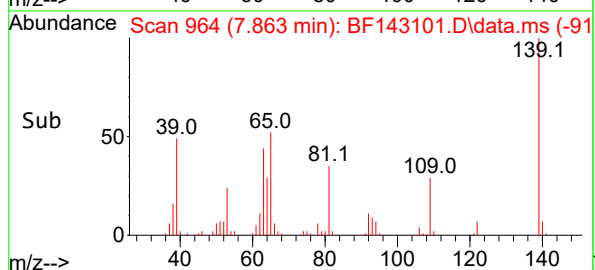
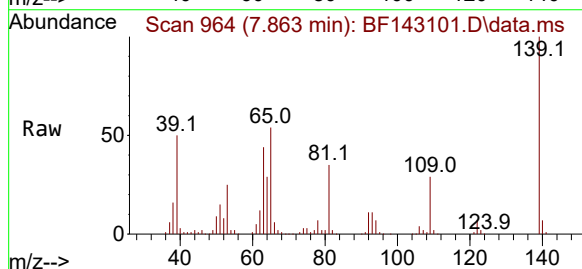
Manual Integrations
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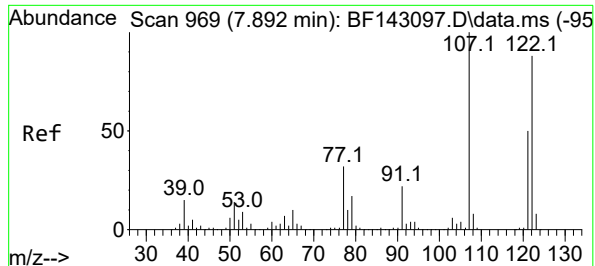
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#26
2-Nitrophenol
Concen: 44.317 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:139 Resp: 150156
Ion Ratio Lower Upper
139 100
109 29.0 23.4 35.0
65 54.1 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 42.064 ng

RT: 7.892 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

Tgt Ion:122 Resp: 33389

Ion Ratio Lower Upper

122 100

107 114.2 91.3 136.9

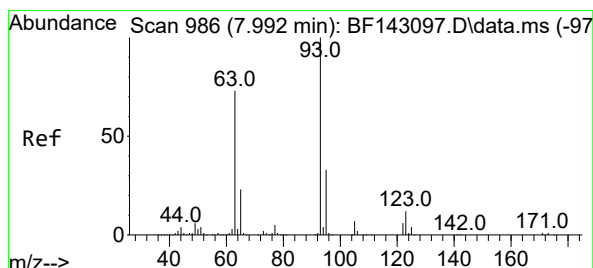
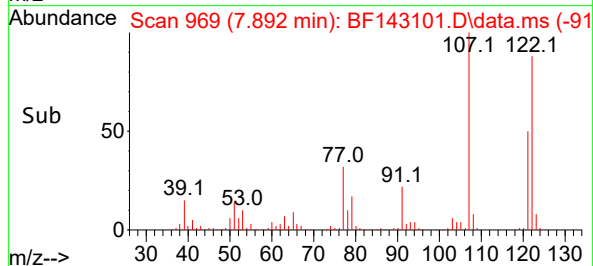
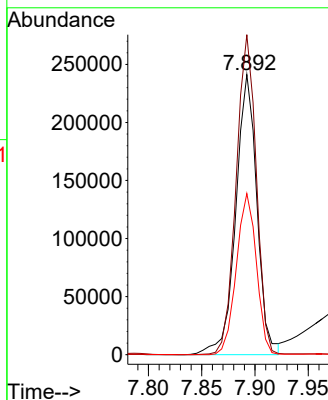
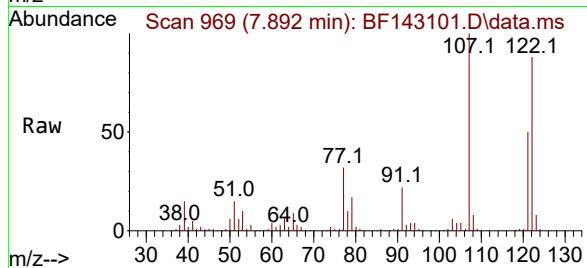
121 57.5 45.5 68.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.789 ng

RT: 7.992 min Scan# 986

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

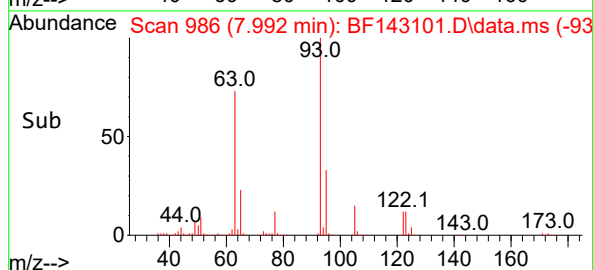
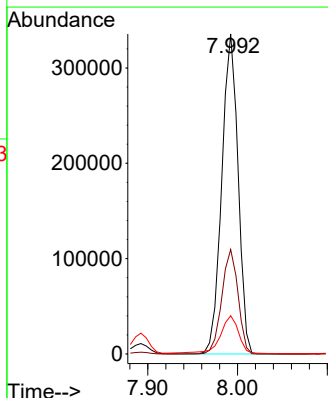
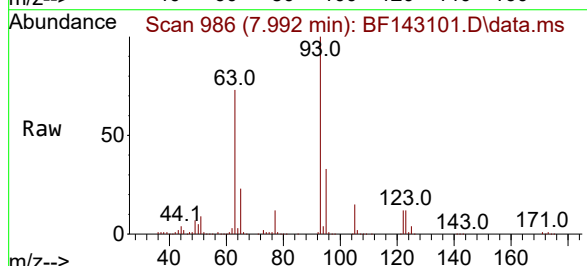
Tgt Ion: 93 Resp: 423022

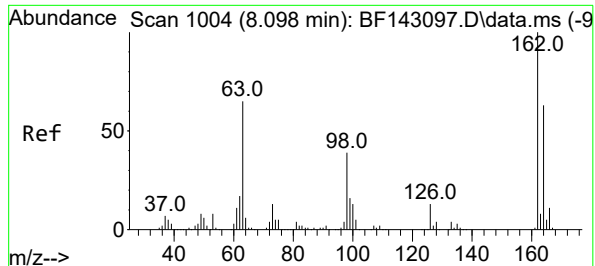
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

123 11.9 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 43.580 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143101.D

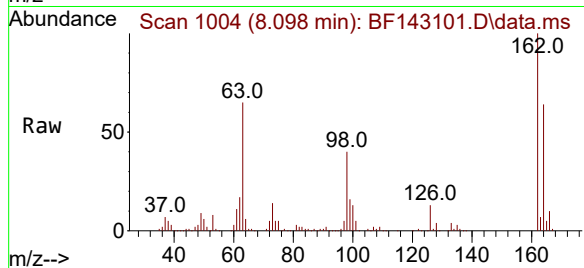
Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525



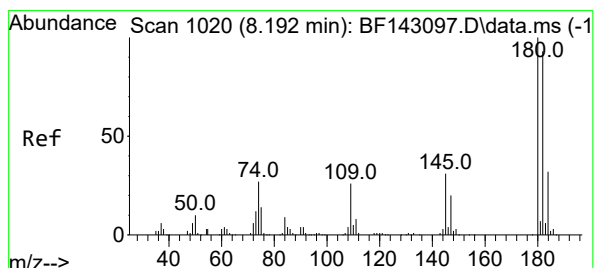
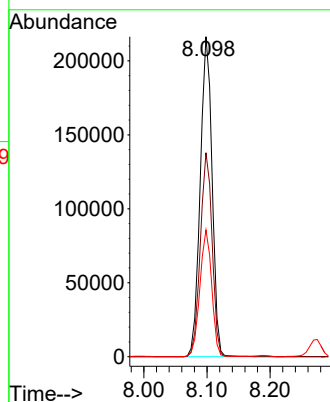
Tgt Ion:	162	Resp:	28301
Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.1	83.1
98	39.6	19.2	59.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#30

1,2,4-Trichlorobenzene

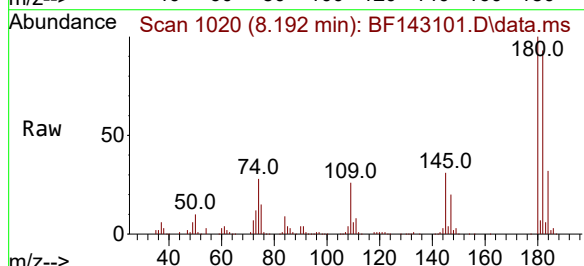
Concen: 41.194 ng

RT: 8.192 min Scan# 1020

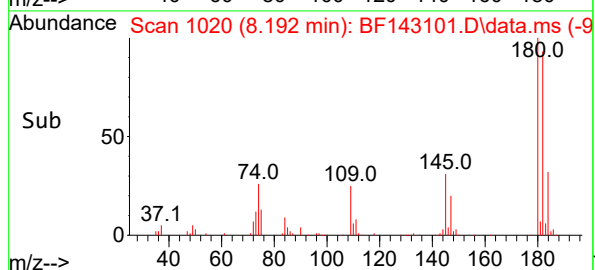
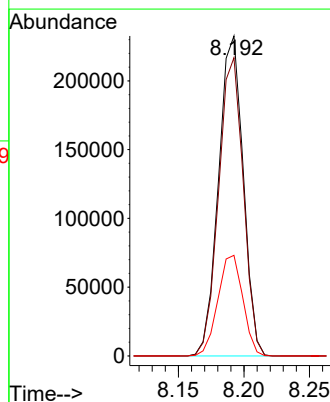
Delta R.T. -0.000 min

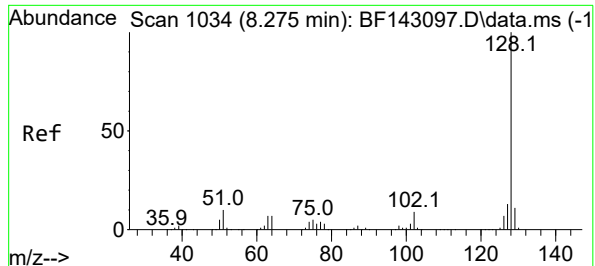
Lab File: BF143101.D

Acq: 15 Jul 2025 17:27



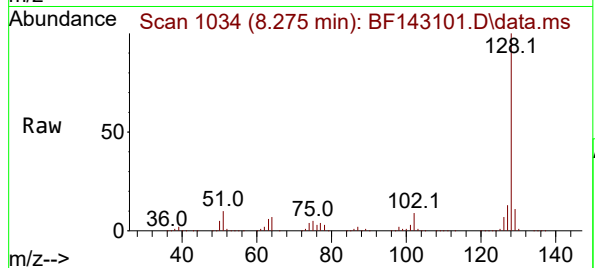
Tgt Ion:	180	Resp:	303602
Ion	Ratio	Lower	Upper
180	100		
182	93.2	74.7	112.1
145	31.4	24.5	36.7





#31
Naphthalene
Concen: 40.543 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

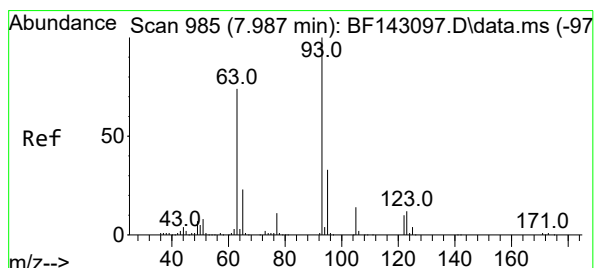
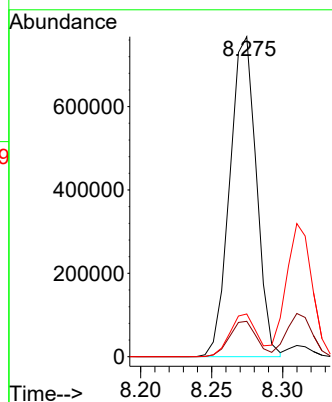
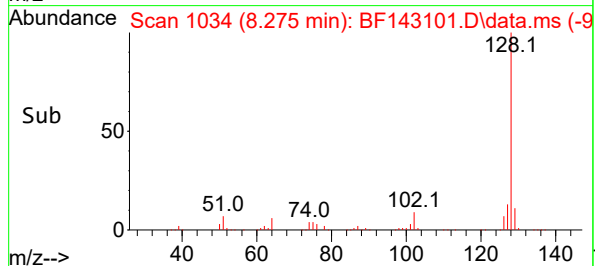
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:128 Resp: 99936
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.3 10.5 15.7

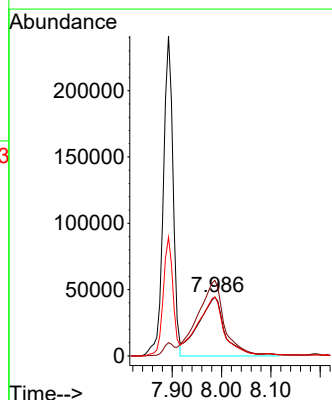
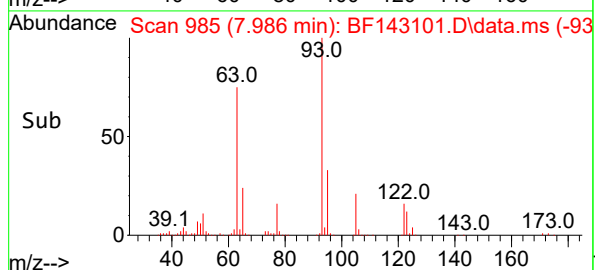
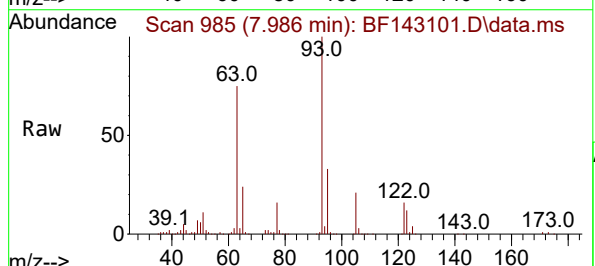
Manual Integrations
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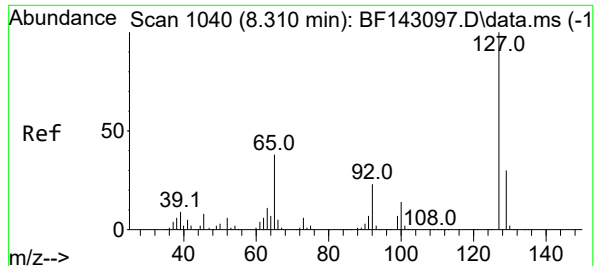
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#32
Benzoic acid
Concen: 43.449 ng m
RT: 7.986 min Scan# 985
Delta R.T. -0.001 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

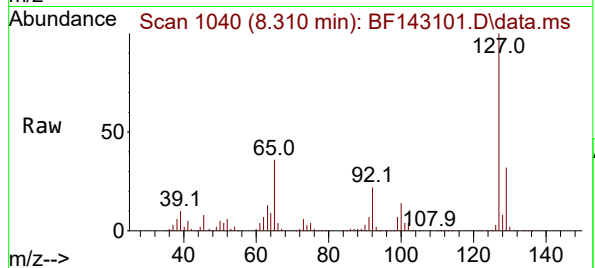
Tgt Ion:122 Resp: 169020
Ion Ratio Lower Upper
122 100
105 128.4 105.4 145.4
77 100.3 78.6 118.6





#33
4-Chloroaniline
Concen: 41.236 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

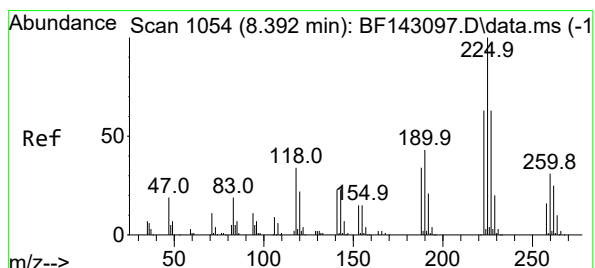
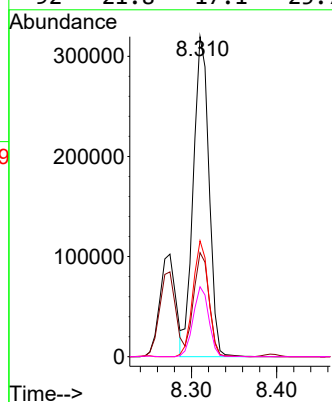
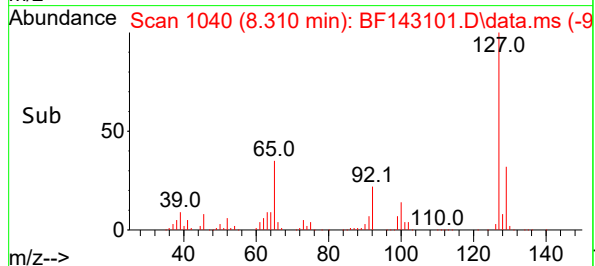
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:127 Resp: 40874
Ion Ratio Lower Upper
127 100
129 32.5 26.2 39.4
65 36.2 28.6 42.8
92 21.8 17.1 25.7

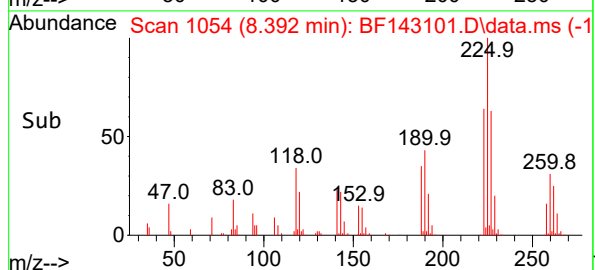
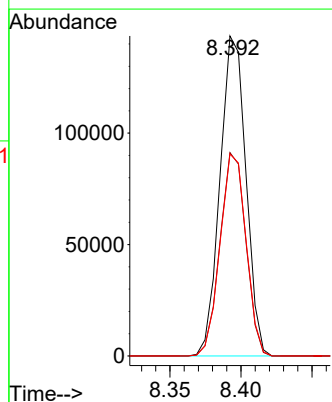
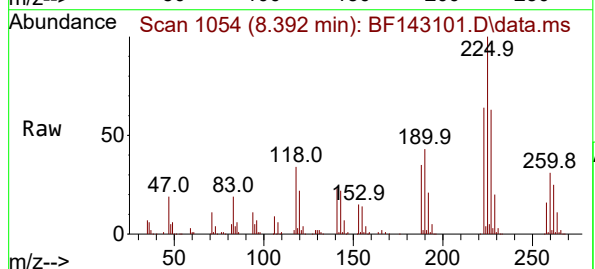
Manual Integrations
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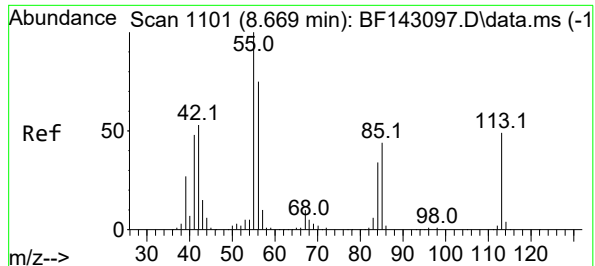
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#34
Hexachlorobutadiene
Concen: 41.324 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

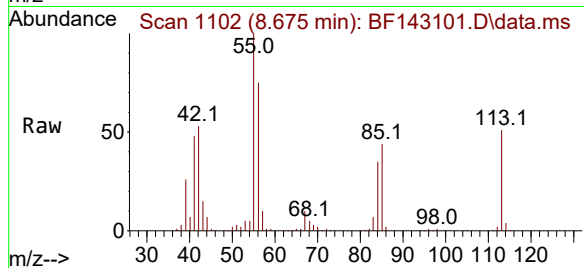
Tgt Ion:225 Resp: 182140
Ion Ratio Lower Upper
225 100
223 63.6 50.3 75.5
227 63.1 50.1 75.1





#35
Caprolactam
Concen: 43.536 ng
RT: 8.675 min Scan# 1101
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

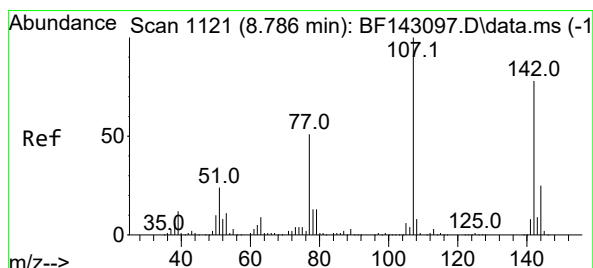
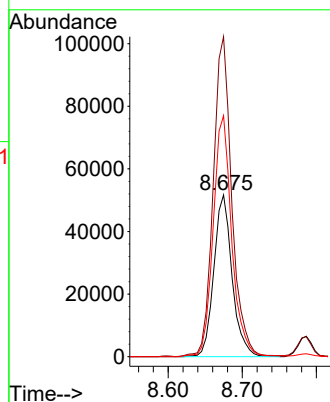
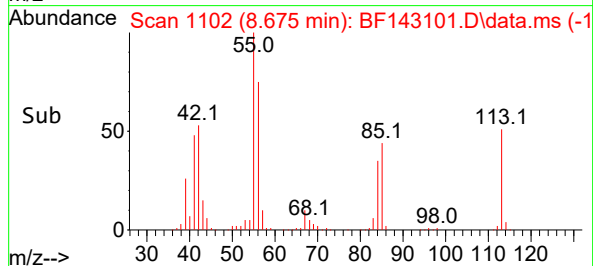
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:113 Resp: 88280
Ion Ratio Lower Upper
113 100
55 197.8 186.2 226.2
56 148.9 134.1 174.1

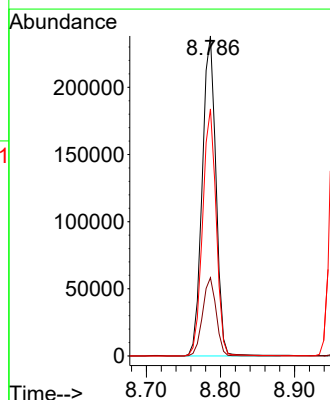
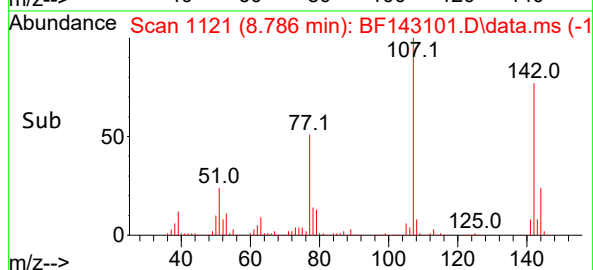
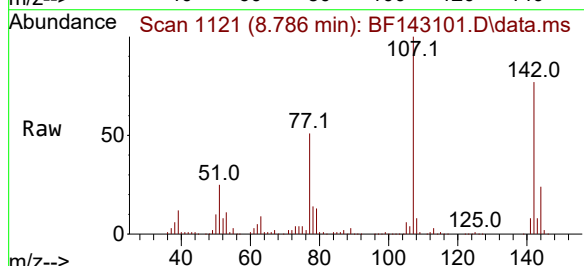
Manual Integrations
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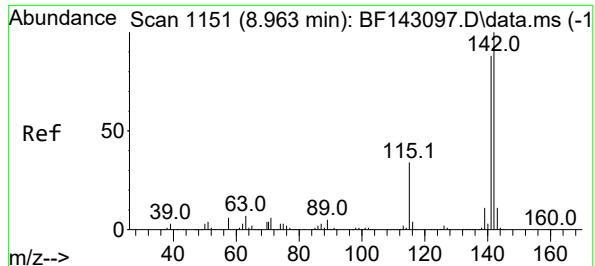
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#36
4-Chloro-3-methylphenol
Concen: 42.387 ng
RT: 8.786 min Scan# 1121
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

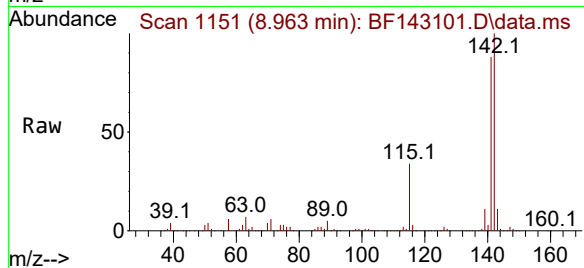
Tgt Ion:107 Resp: 306624
Ion Ratio Lower Upper
107 100
144 24.4 20.2 30.2
142 77.2 62.4 93.6





#37
2-Methylnaphthalene
Concen: 40.654 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

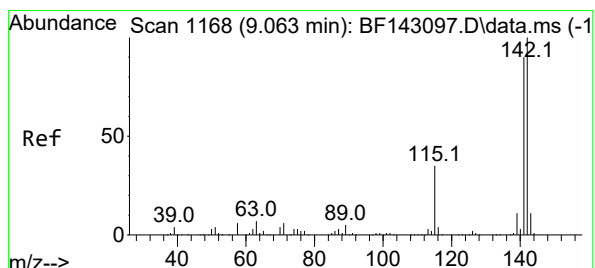
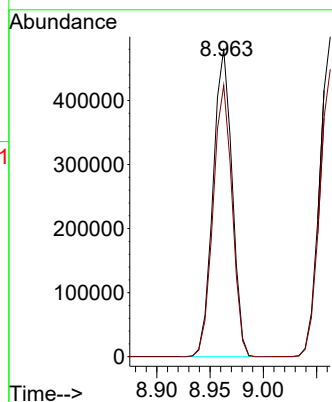
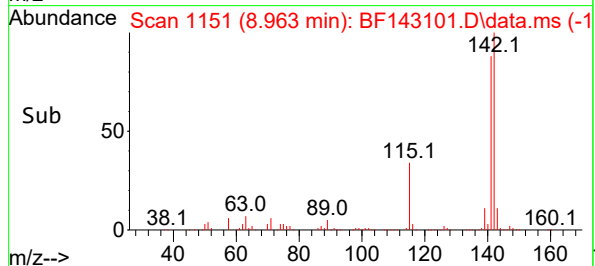
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:142 Resp: 597819
Ion Ratio Lower Upper
142 100
141 88.1 70.2 105.2

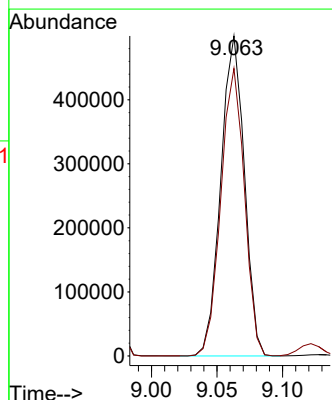
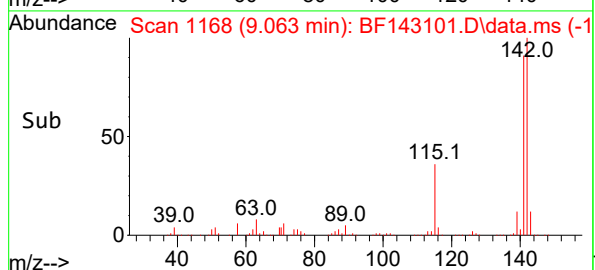
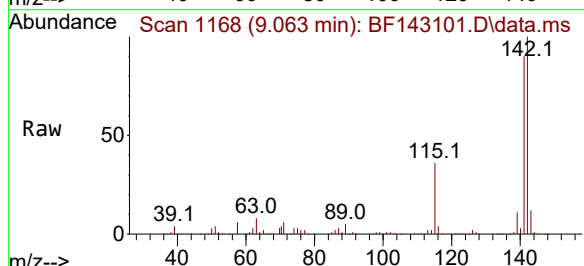
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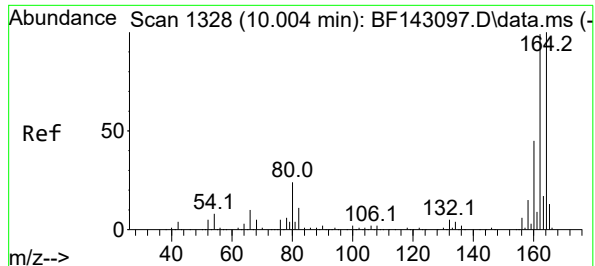
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#38
1-Methylnaphthalene
Concen: 40.922 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:142 Resp: 624130
Ion Ratio Lower Upper
142 100
141 89.9 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

Tgt Ion:164 Resp: 24822

Ion Ratio Lower Upper

164 100

162 98.1 79.0 118.6

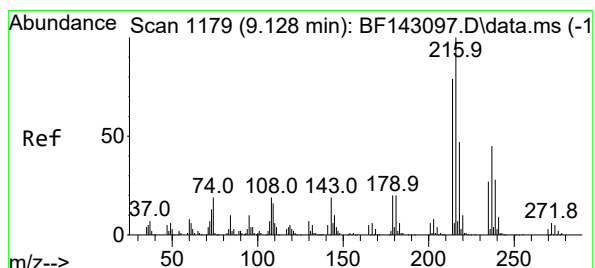
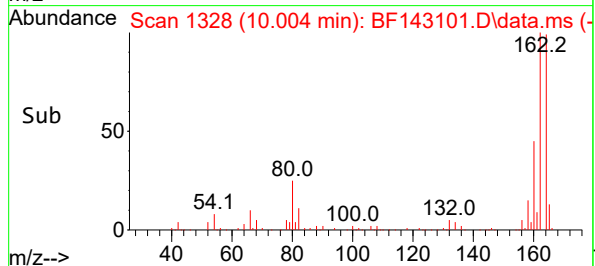
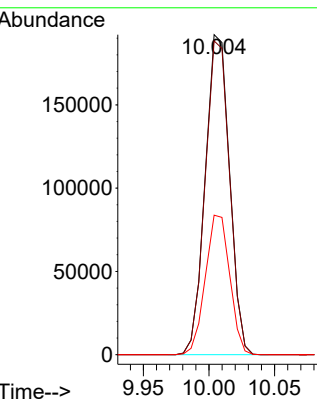
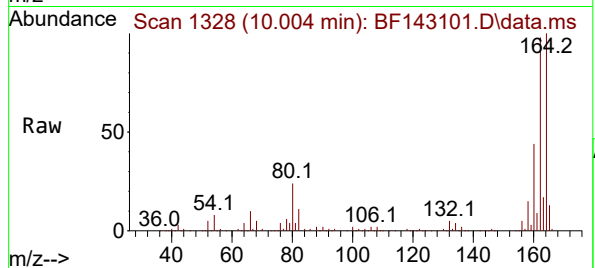
160 43.6 35.8 53.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.531 ng

RT: 9.128 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Tgt Ion:216 Resp: 293187

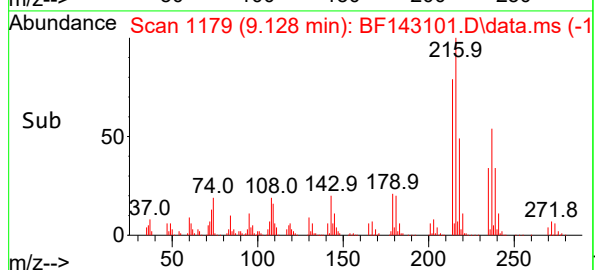
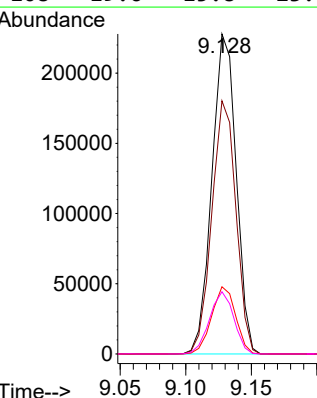
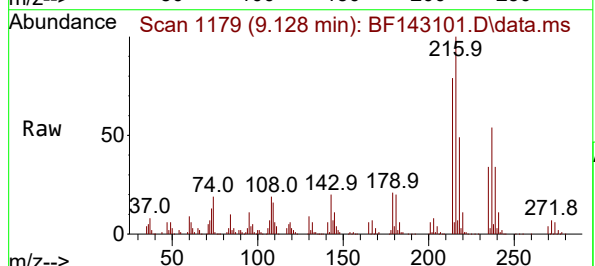
Ion Ratio Lower Upper

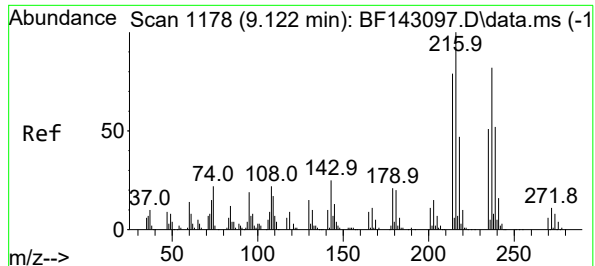
216 100

214 78.6 62.6 94.0

179 20.8 16.2 24.2

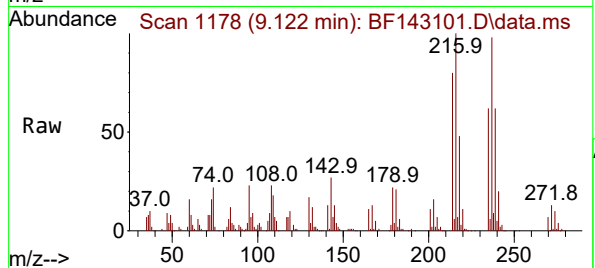
108 19.6 15.8 23.6





#41
Hexachlorocyclopentadiene
Concen: 45.086 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

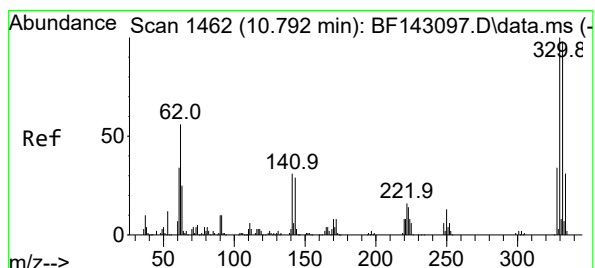
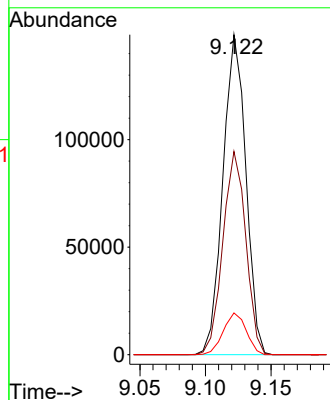
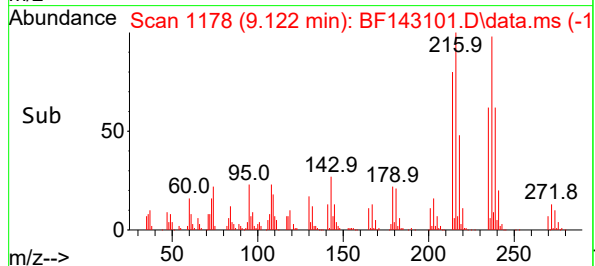
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion: 237 Resp: 180819
Ion Ratio Lower Upper
237 100
235 63.5 41.6 81.6
272 13.0 0.0 32.9

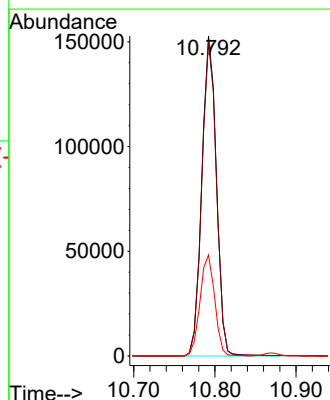
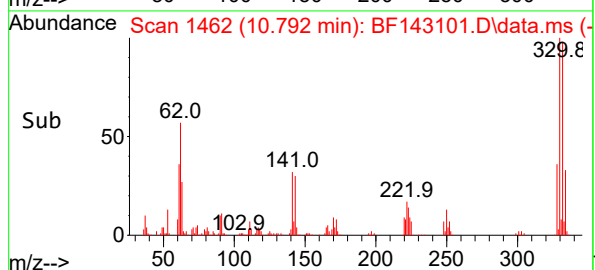
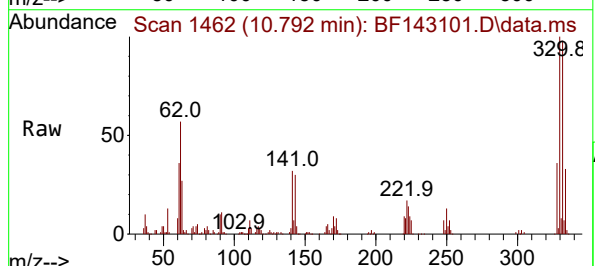
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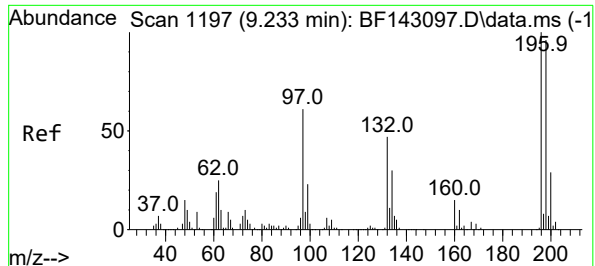
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#42
2,4,6-Tribromophenol
Concen: 85.971 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 330 Resp: 190277
Ion Ratio Lower Upper
330 100
332 98.2 77.9 116.9
141 31.8 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 43.955 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.000 min

Lab File: BF143101.D

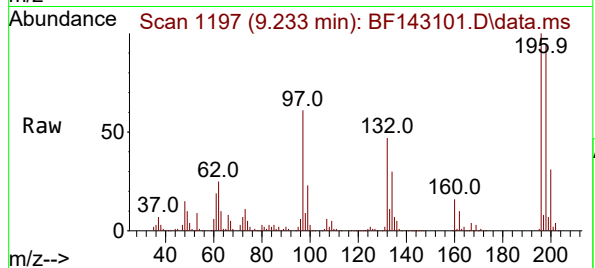
Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525



Tgt Ion:196 Resp: 19756

Ion Ratio Lower Upper

196 100

198 94.2 76.9 115.3

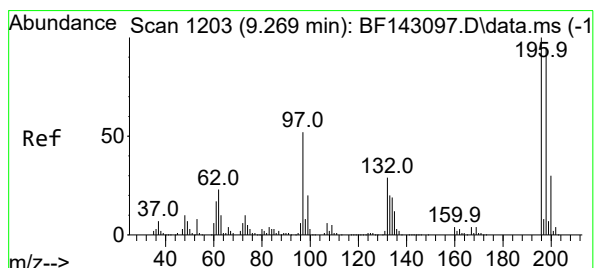
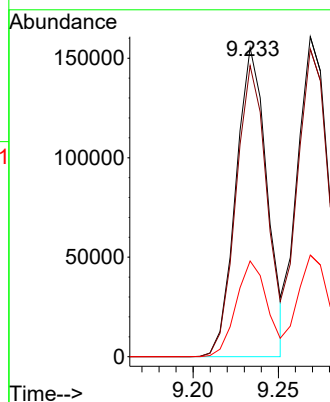
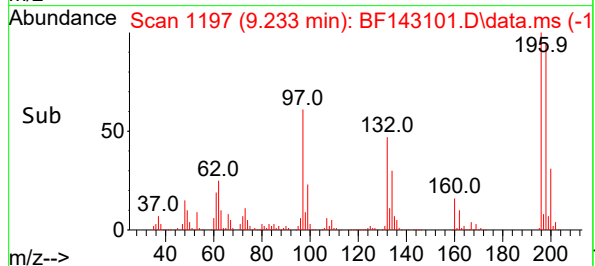
200 30.9 23.5 35.3

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Supervised By :Jagrut Upadhyay 07/16/2025



#44

2,4,5-Trichlorophenol

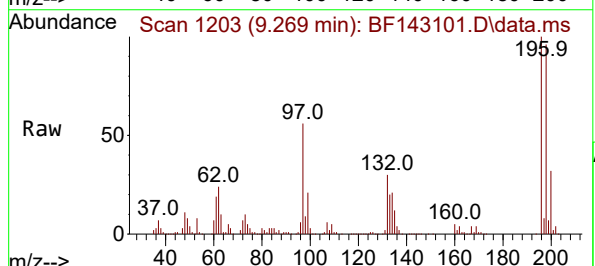
Concen: 43.001 ng

RT: 9.269 min Scan# 1203

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27



Tgt Ion:196 Resp: 202658

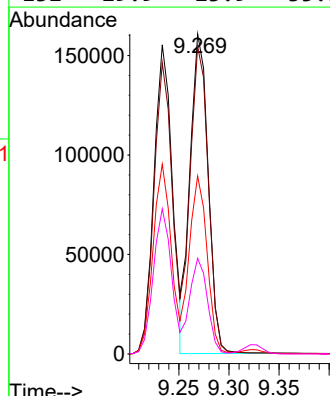
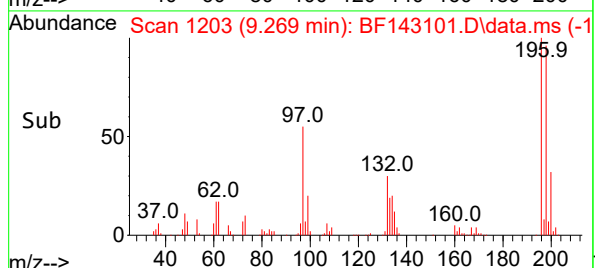
Ion Ratio Lower Upper

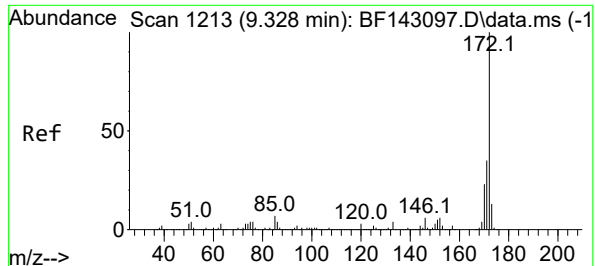
196 100

198 96.1 76.4 114.6

97 55.6 42.4 63.6

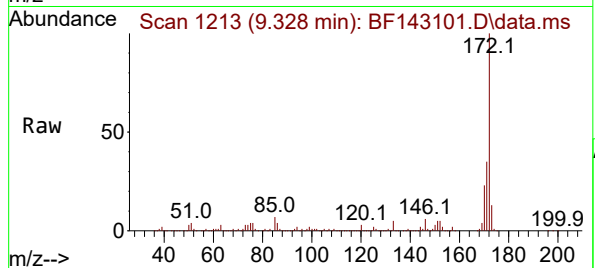
132 29.9 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 69.090 ng
RT: 9.328 min Scan# 1213
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

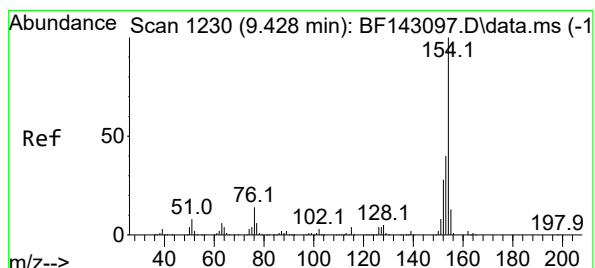
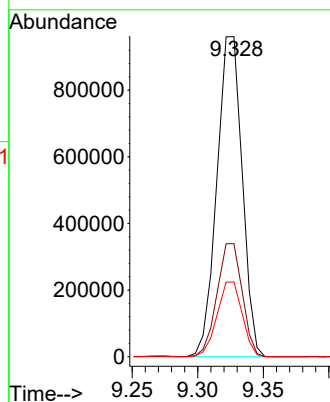
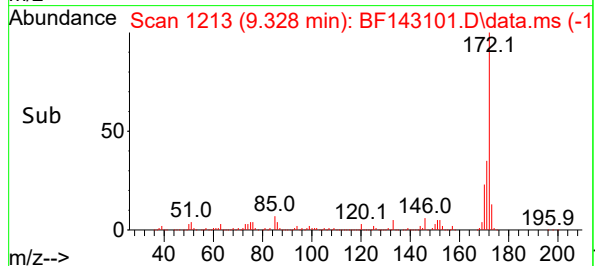
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:172 Resp: 129014
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.4 18.6 28.0

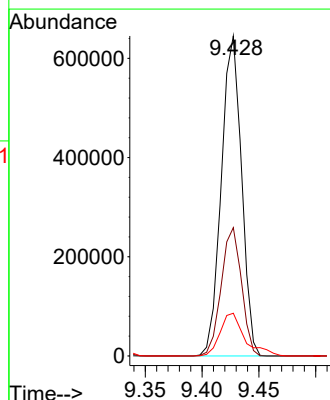
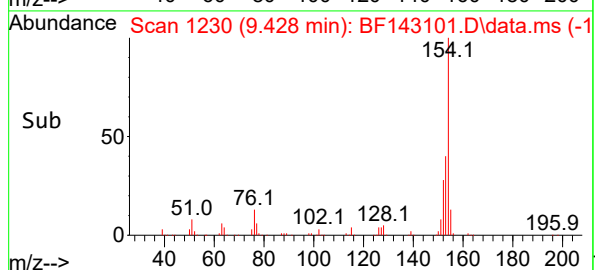
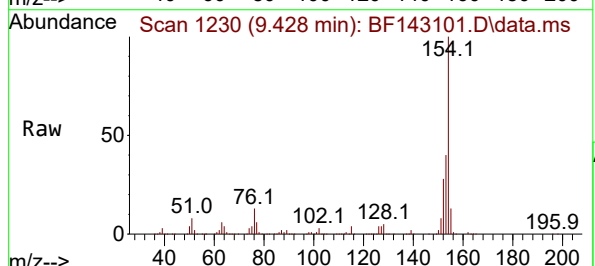
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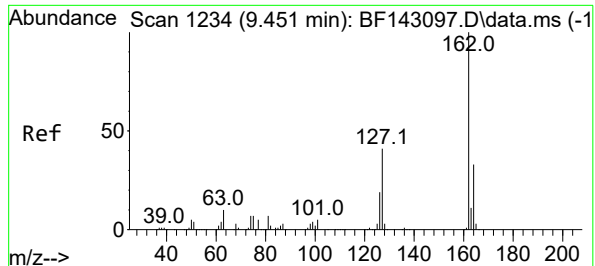
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#46
1,1'-Biphenyl
Concen: 40.387 ng
RT: 9.428 min Scan# 1230
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:154 Resp: 799467
Ion Ratio Lower Upper
154 100
153 40.1 20.1 60.1
76 13.4 0.0 33.7





#47

2-Chloronaphthalene

Concen: 40.207 ng

RT: 9.451 min Scan# 1234

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

Tgt Ion:162 Resp: 58468

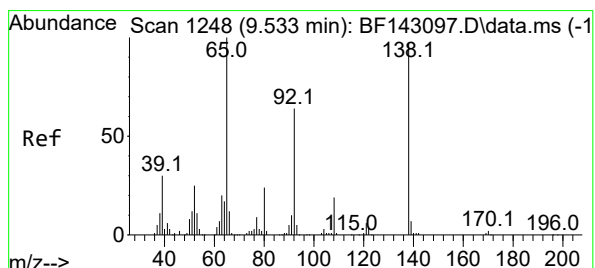
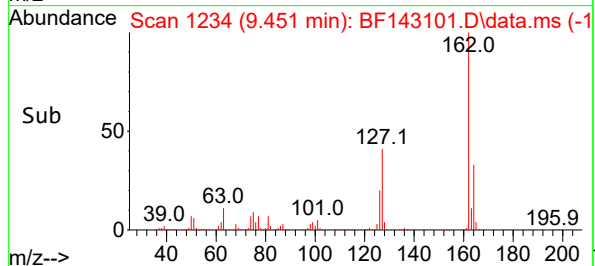
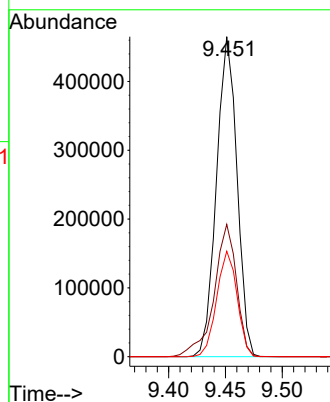
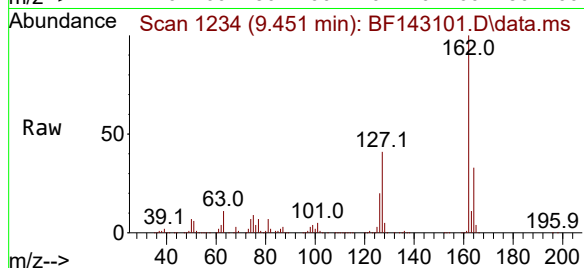
Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.0	49.6
164	33.0	26.1	39.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#48

2-Nitroaniline

Concen: 43.148 ng

RT: 9.539 min Scan# 1249

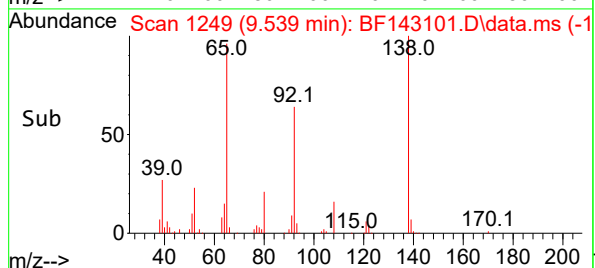
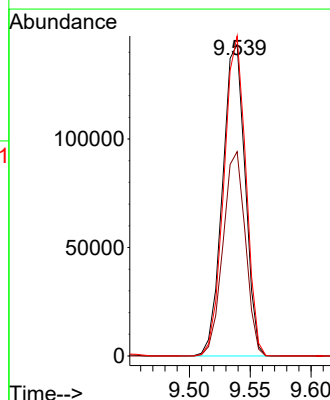
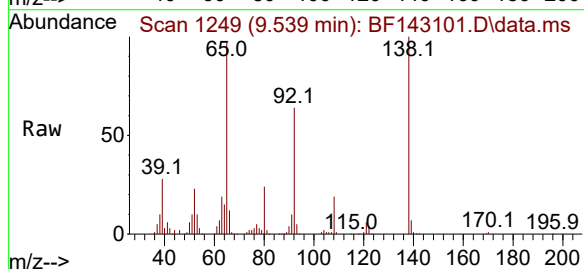
Delta R.T. 0.006 min

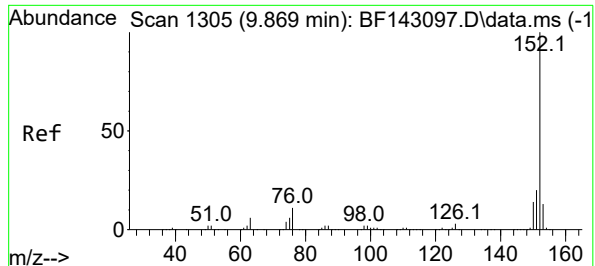
Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Tgt Ion: 65 Resp: 185847

Ion	Ratio	Lower	Upper
65	100		
92	65.6	51.3	76.9
138	102.7	77.8	116.6





#49

Acenaphthylene

Concen: 40.736 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.000 min

Lab File: BF143101.D

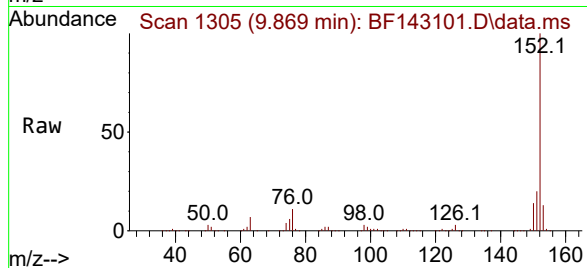
Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525



Tgt Ion:152 Resp: 987100

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.8

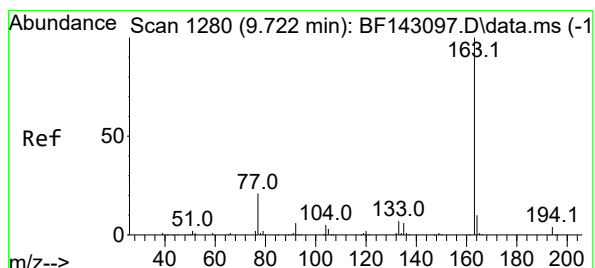
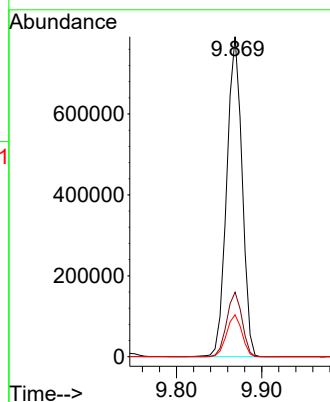
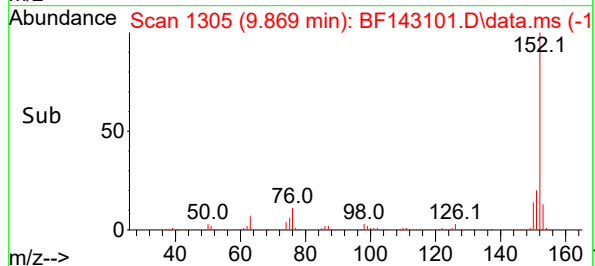
153 13.1 10.4 15.6

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#50

Dimethylphthalate

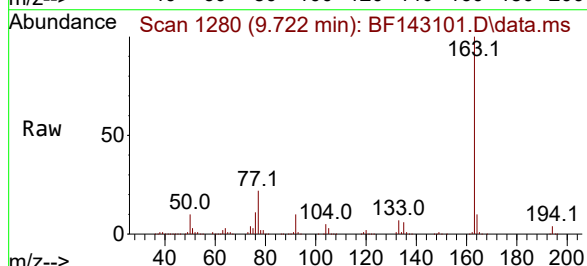
Concen: 41.279 ng

RT: 9.722 min Scan# 1280

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27



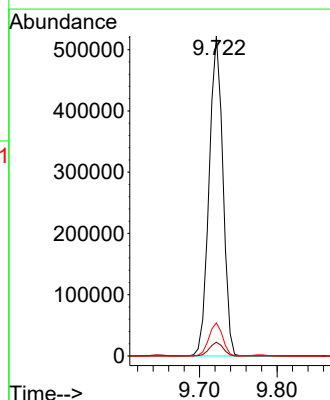
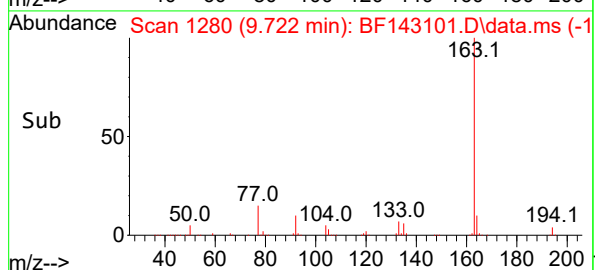
Tgt Ion:163 Resp: 644618

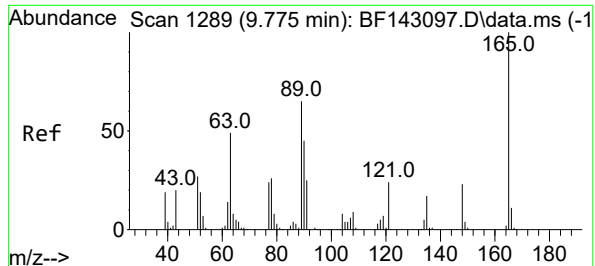
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

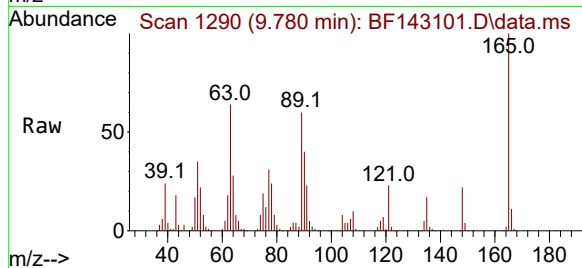
164 10.3 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 43.156 ng
RT: 9.780 min Scan# 1289
Delta R.T. 0.005 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

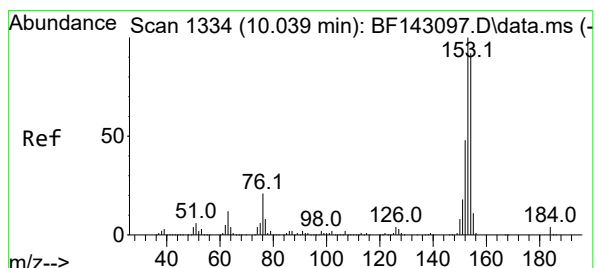
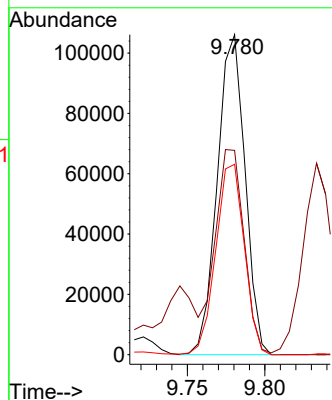
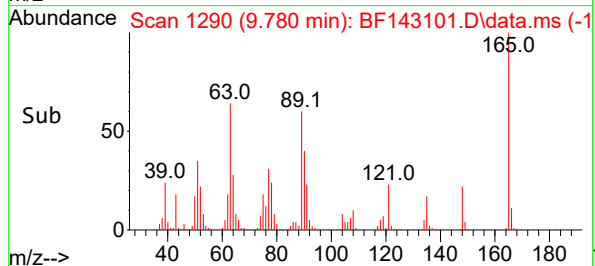
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:165 Resp: 13224
Ion Ratio Lower Upper
165 100
63 63.9 57.4 86.0
89 59.5 51.8 77.8

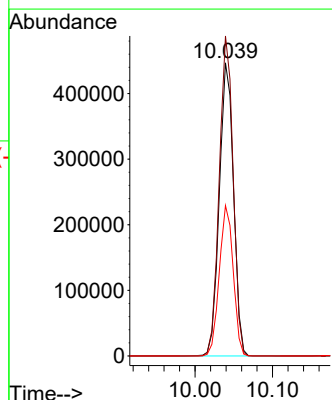
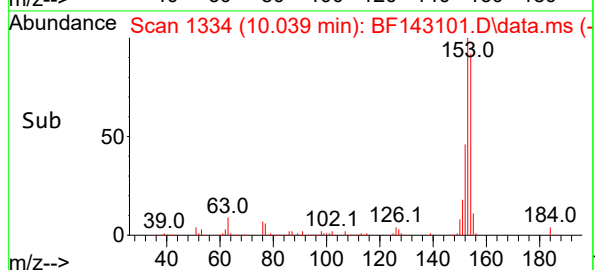
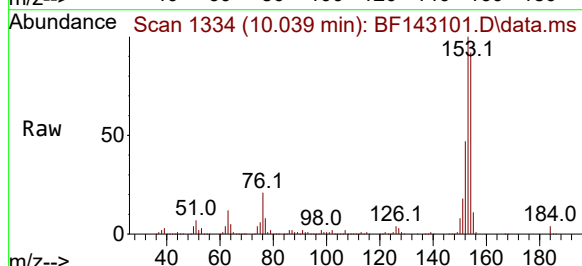
Manual Integrations
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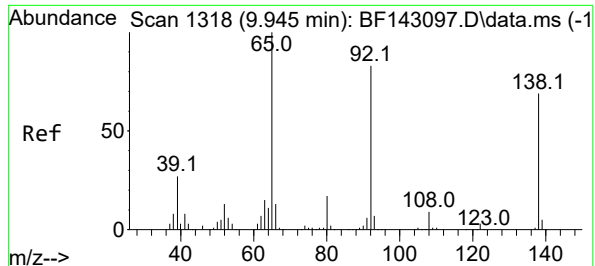
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#52
Acenaphthene
Concen: 39.982 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:154 Resp: 571724
Ion Ratio Lower Upper
154 100
153 109.2 86.7 130.1
152 51.3 41.4 62.2





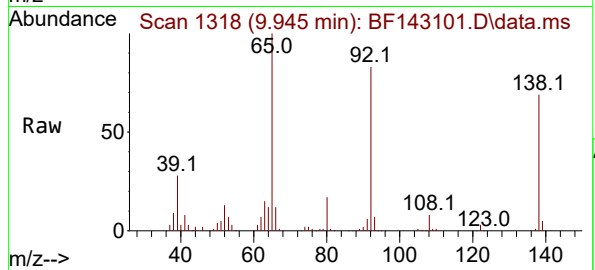
#53
3-Nitroaniline
Concen: 47.707 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525



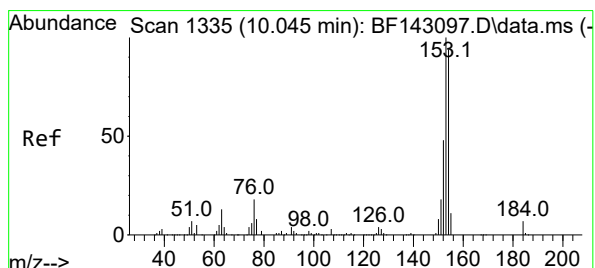
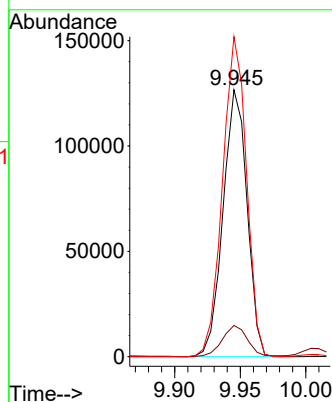
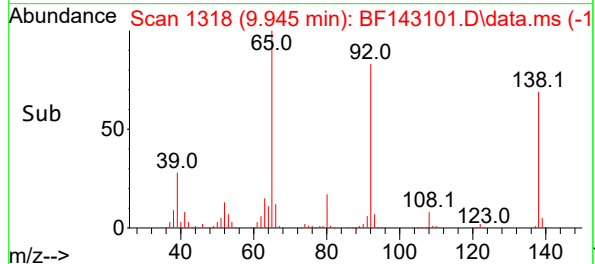
Tgt Ion:138 Resp: 160978
Ion Ratio Lower Upper
138 100
108 11.7 10.1 15.1
92 119.9 96.4 144.6

Manual Integrations

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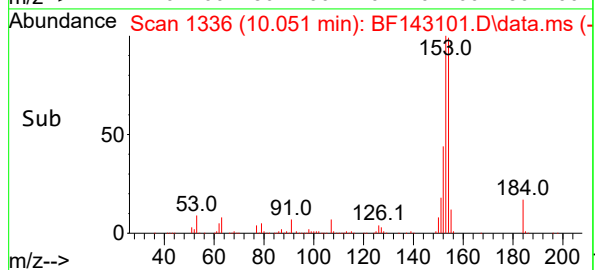
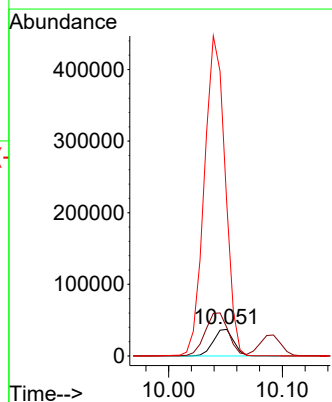
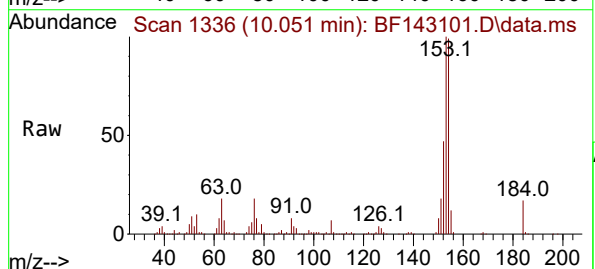
Reviewed By :Rahul Chavli 07/16/2025

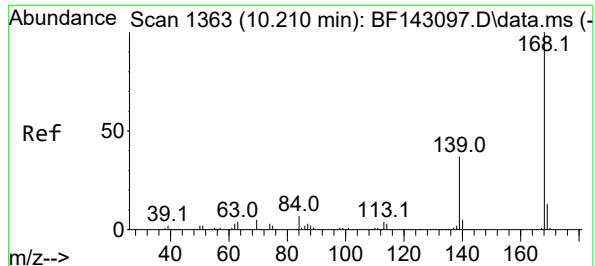
Supervised By :Jagrut Upadhyay 07/16/2025



#54
2,4-Dinitrophenol
Concen: 47.113 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:184 Resp: 46465
Ion Ratio Lower Upper
184 100
63 106.9 149.3 223.9#
154 573.8 1048.0 1572.0#





#55

Dibenzenofuran

Concen: 40.300 ng

RT: 10.210 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143101.D

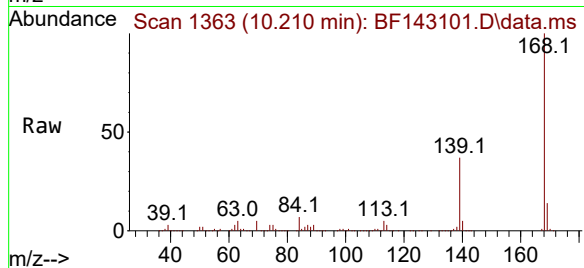
Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525



Tgt Ion:168 Resp: 85894

Ion Ratio Lower Upper

168 100

139 37.2 29.8 44.6

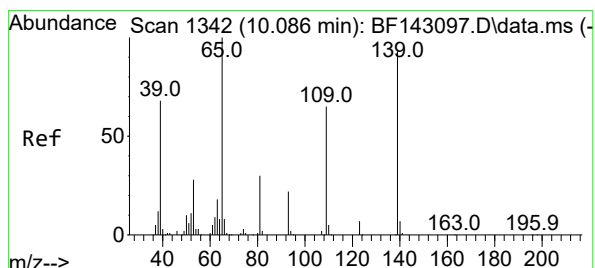
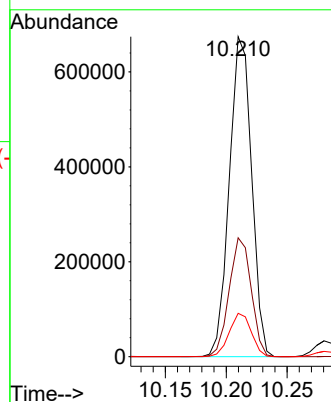
169 13.5 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#56

4-Nitrophenol

Concen: 45.720 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

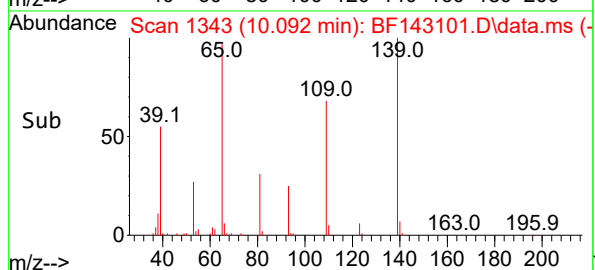
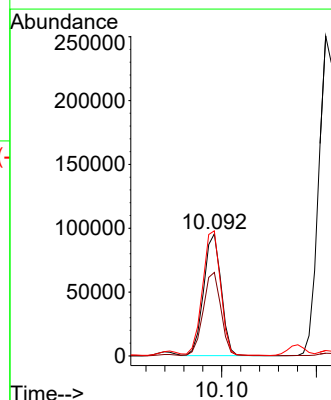
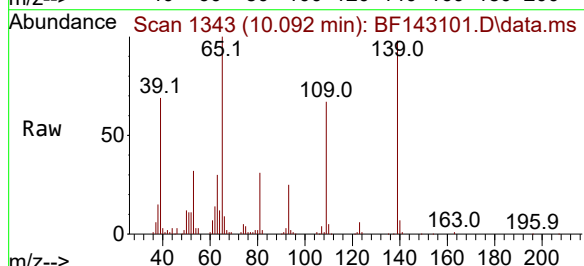
Tgt Ion:139 Resp: 122610

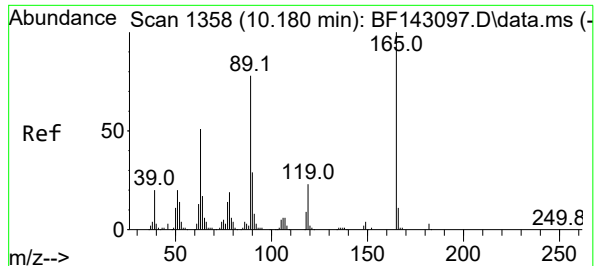
Ion Ratio Lower Upper

139 100

109 68.4 49.4 89.4

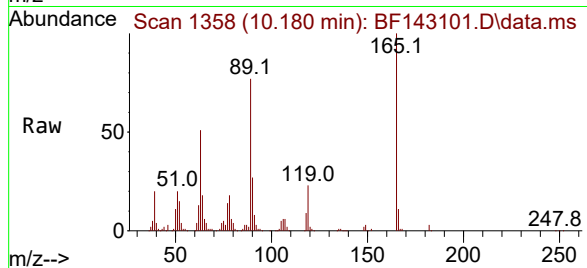
65 102.5 88.2 128.2





#57
2,4-Dinitrotoluene
Concen: 43.964 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

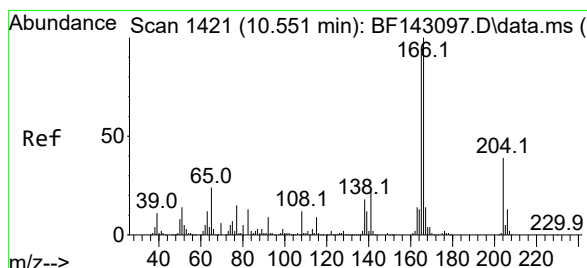
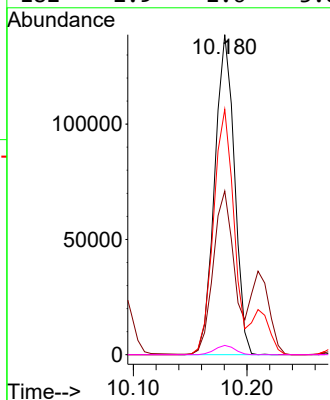
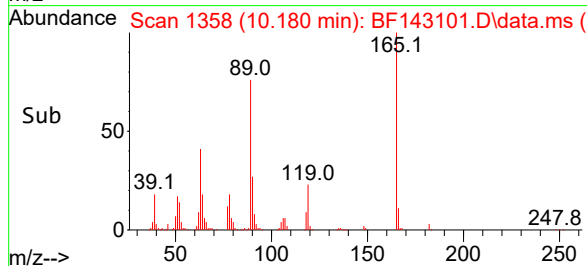
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



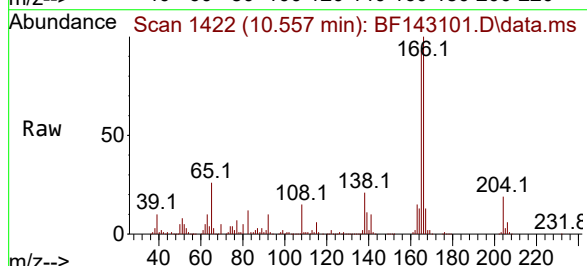
Tgt Ion:165 Resp: 168227
Ion Ratio Lower Upper
165 100
63 51.2 40.6 61.0
89 76.6 62.3 93.5
182 2.9 2.6 3.8

Manual Integrations
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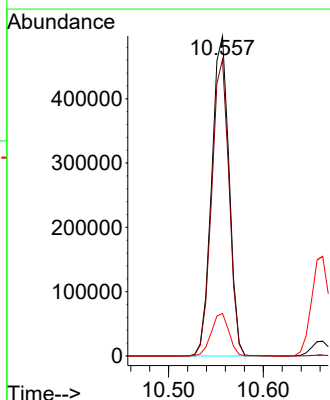
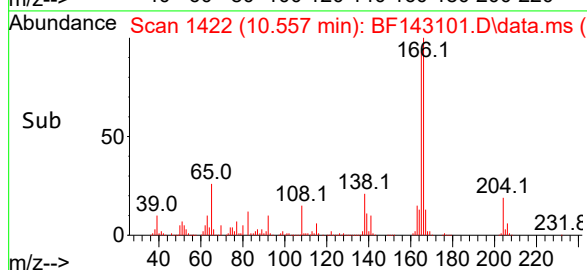
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

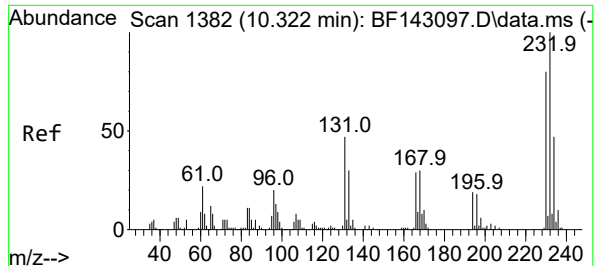


#58
Fluorene
Concen: 39.732 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27



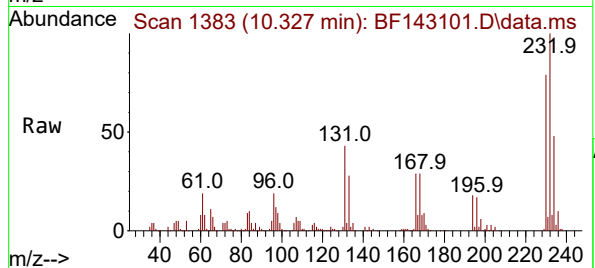
Tgt Ion:166 Resp: 634897
Ion Ratio Lower Upper
166 100
165 92.6 73.7 110.5
167 13.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.902 ng
RT: 10.327 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

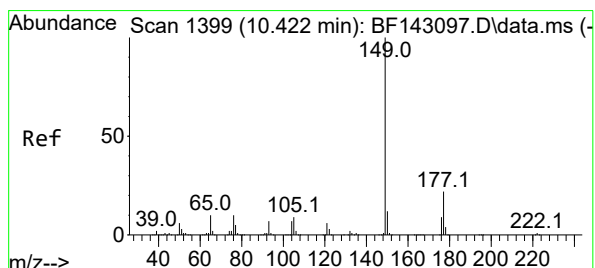
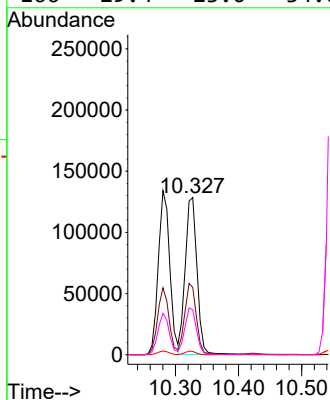
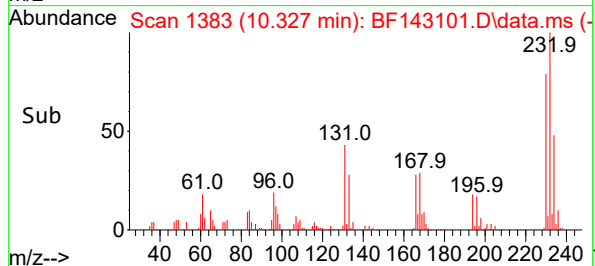
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:232 Resp: 168172
Ion Ratio Lower Upper
232 100
131 44.4 36.9 55.3
130 2.1 1.8 2.8
166 29.4 23.0 34.6

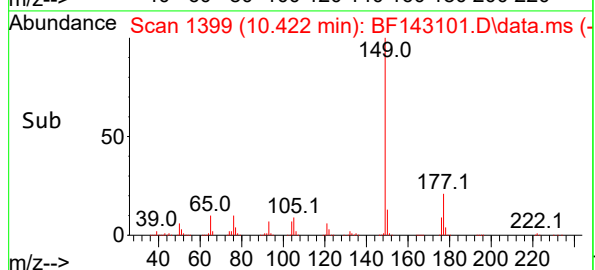
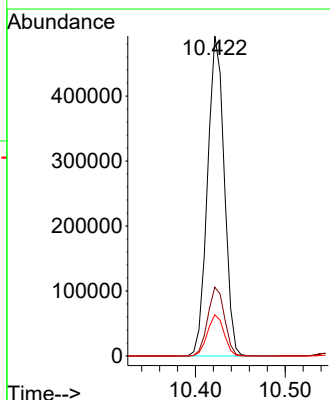
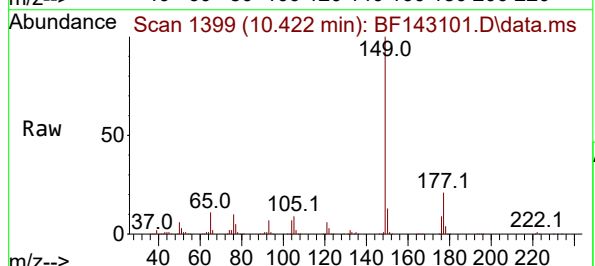
Manual Integrations
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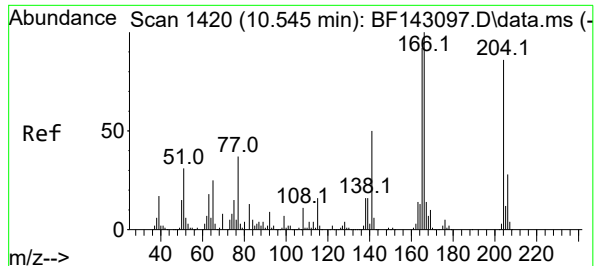
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#60
Diethylphthalate
Concen: 42.297 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

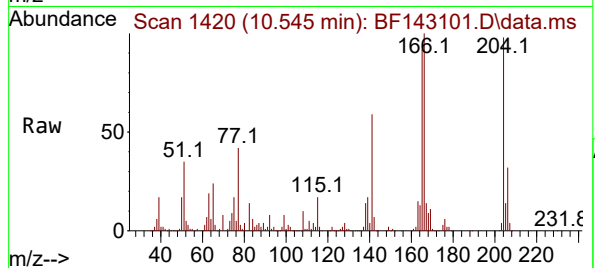
Tgt Ion:149 Resp: 637247
Ion Ratio Lower Upper
149 100
177 21.5 17.3 25.9
150 12.9 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 40.882 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

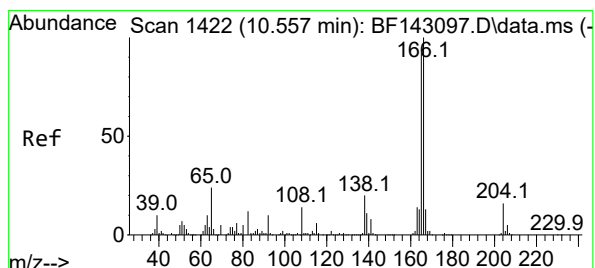
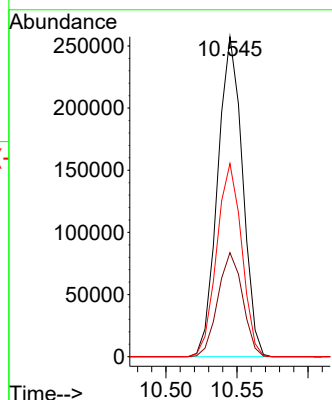
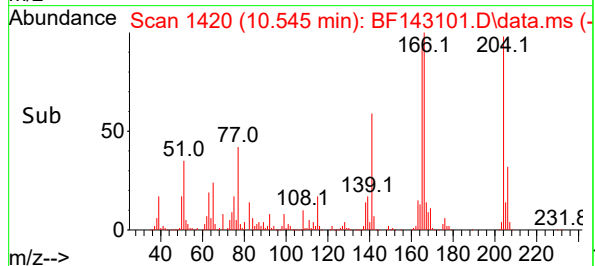
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:204 Resp: 31311
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.6
141 60.4 46.8 70.2

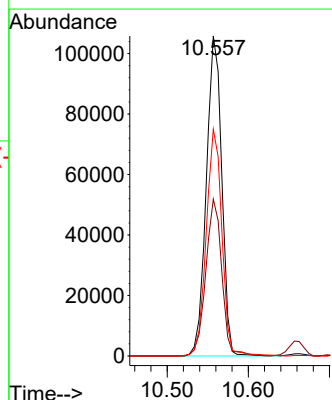
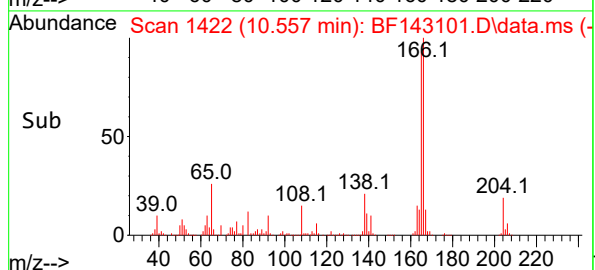
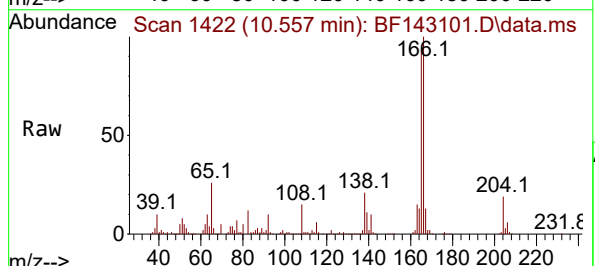
Manual Integrations
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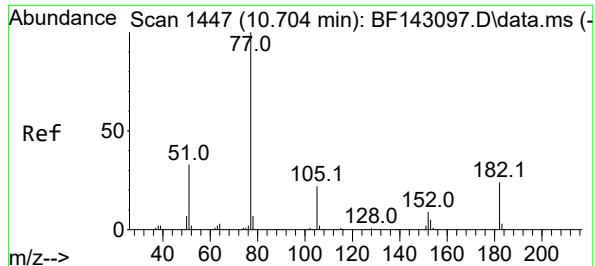
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#62
4-Nitroaniline
Concen: 47.486 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

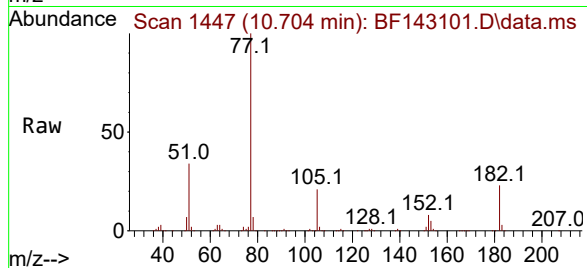
Tgt Ion:138 Resp: 139342
Ion Ratio Lower Upper
138 100
92 49.0 30.4 70.4
108 70.8 49.5 89.5





#63
Azobenzene
Concen: 40.833 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

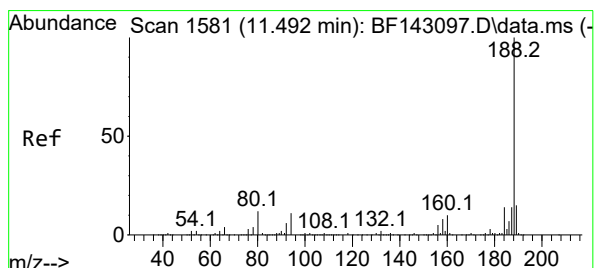
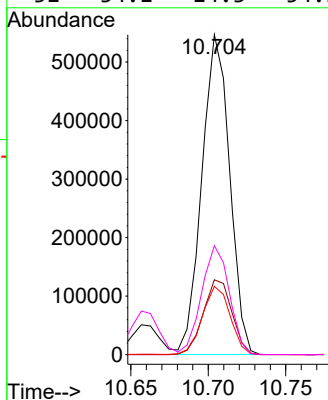
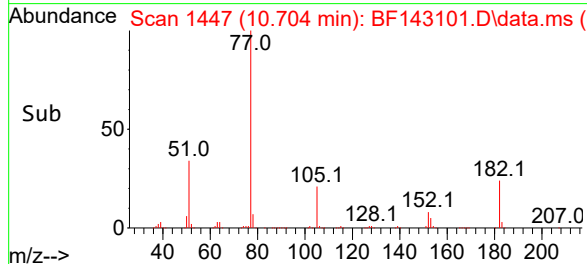
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



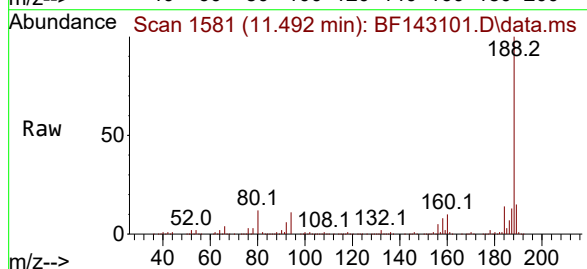
Tgt Ion: 77 Resp: 680354
Ion Ratio Lower Upper
77 100
182 23.4 4.0 44.0
105 21.3 1.4 41.4
51 34.1 14.3 54.3

Manual Integrations
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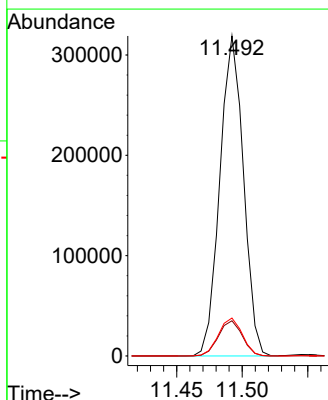
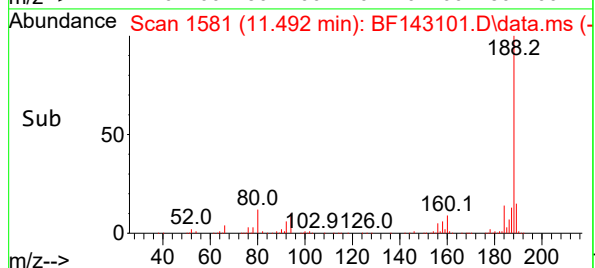
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

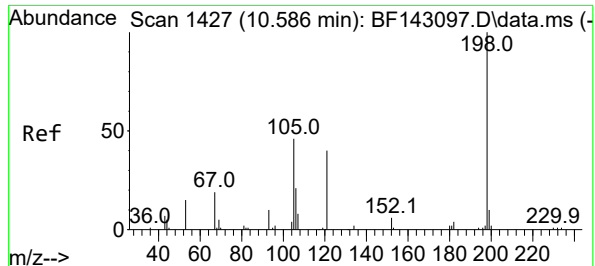


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27



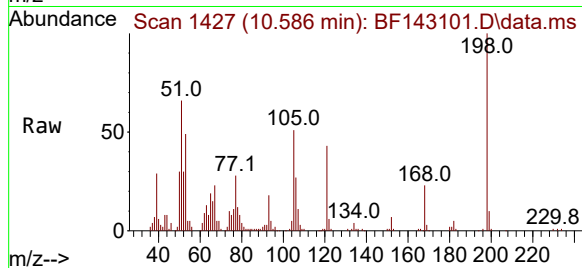
Tgt Ion:188 Resp: 398969
Ion Ratio Lower Upper
188 100
94 11.0 8.6 13.0
80 11.9 9.3 13.9





#65
4,6-Dinitro-2-methylphenol
Concen: 44.754 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

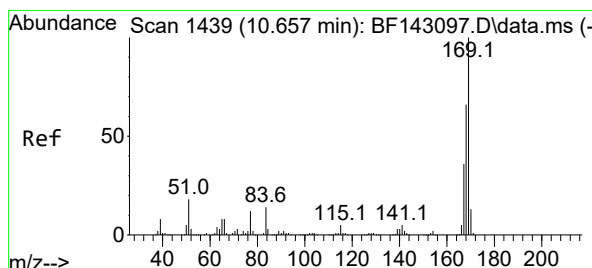
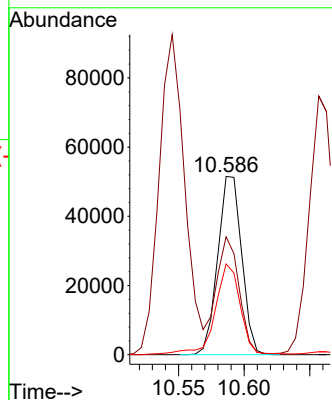
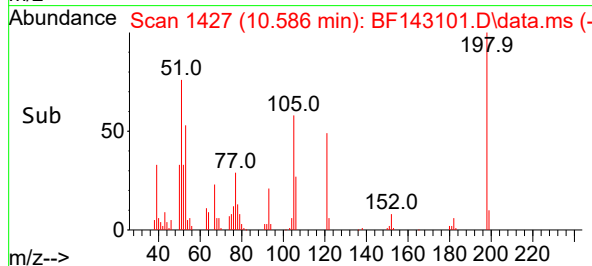
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:198 Resp: 65260
Ion Ratio Lower Upper
198 100
51 66.2 44.6 84.6
105 50.9 29.3 69.3

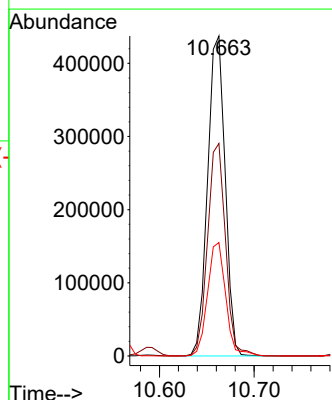
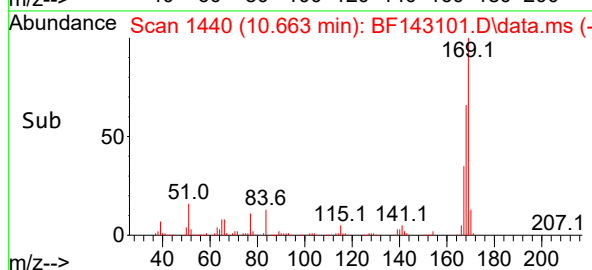
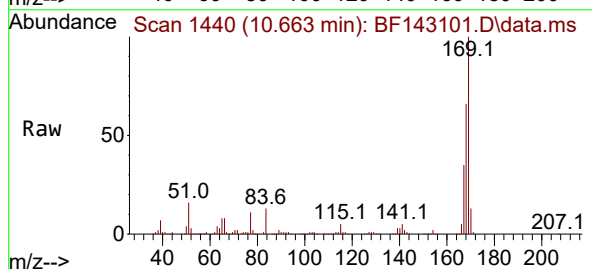
Manual Integrations
APPROVED

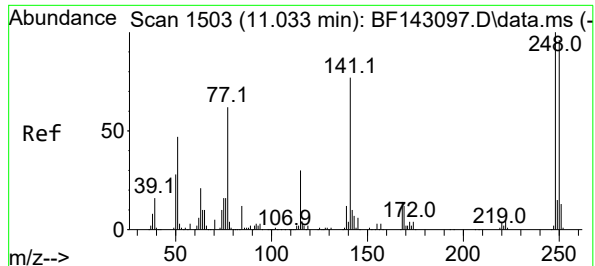
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#66
n-Nitrosodiphenylamine
Concen: 40.179 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

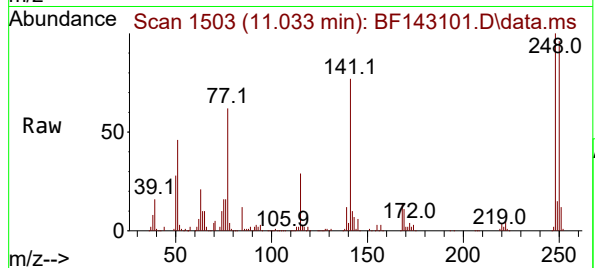
Tgt Ion:169 Resp: 563086
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.6
167 35.5 28.4 42.6





#67
4-Bromophenyl-phenylether
Concen: 41.782 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

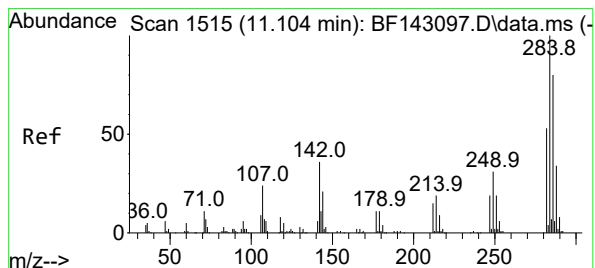
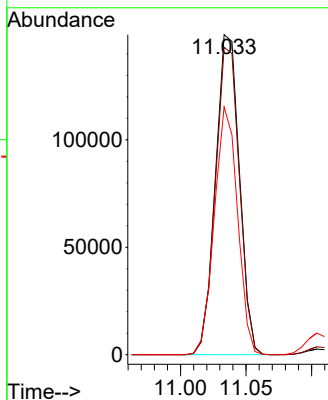
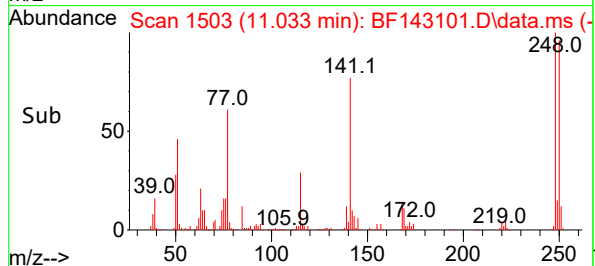
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:248 Resp: 18957
Ion Ratio Lower Upper
248 100
250 96.0 76.7 115.1
141 77.4 61.7 92.5

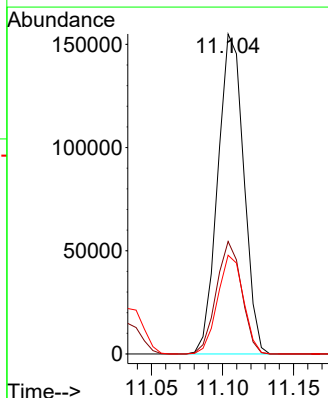
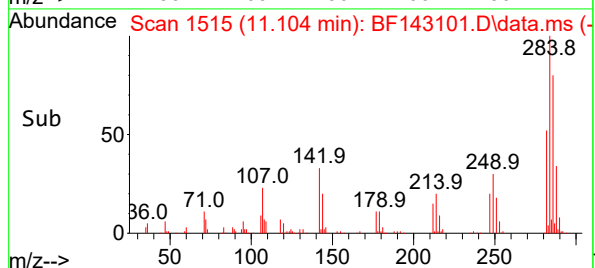
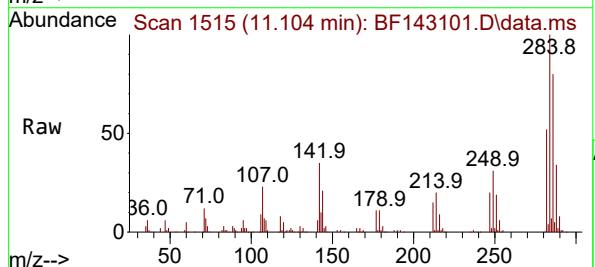
Manual Integrations
APPROVED

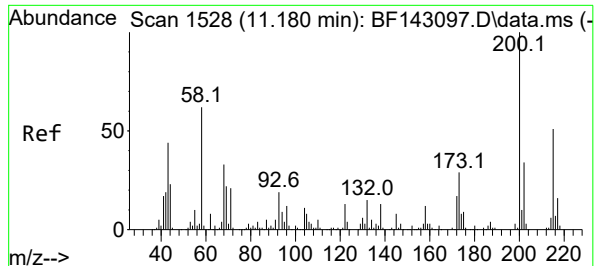
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#68
Hexachlorobenzene
Concen: 40.915 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

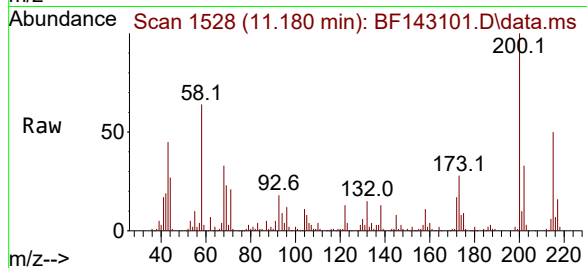
Tgt Ion:284 Resp: 196969
Ion Ratio Lower Upper
284 100
142 35.1 28.9 43.3
249 30.9 24.6 37.0





#69
Atrazine
Concen: 44.273 ng
RT: 11.180 min Scan# 1528
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

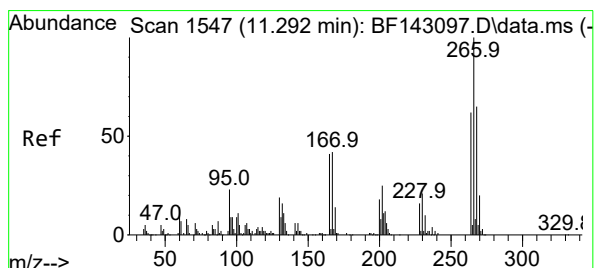
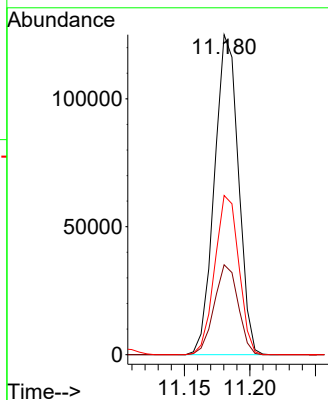
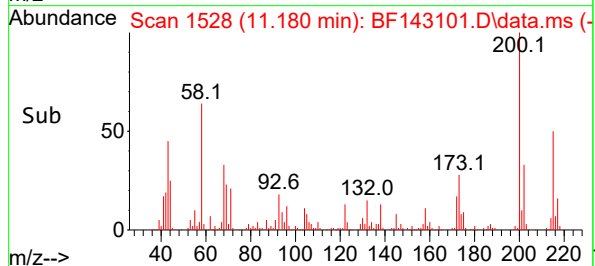
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



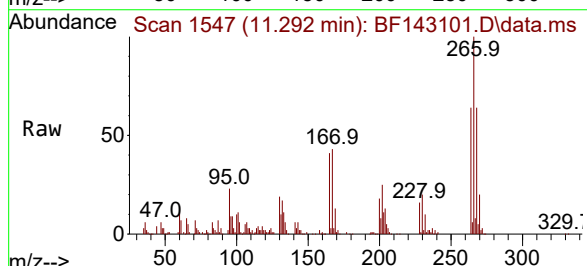
Tgt Ion:200 Resp: 15874
Ion Ratio Lower Upper
200 100
173 28.1 9.1 49.1
215 49.8 31.0 71.0

Manual Integrations
APPROVED

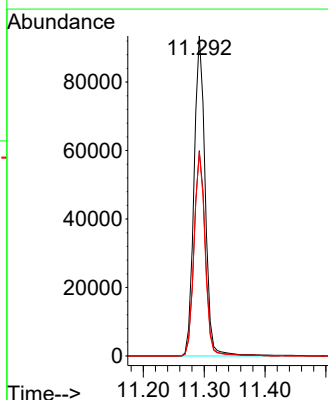
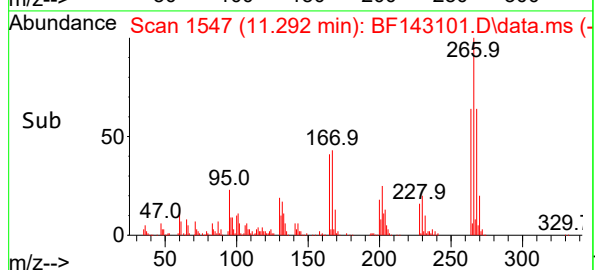
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

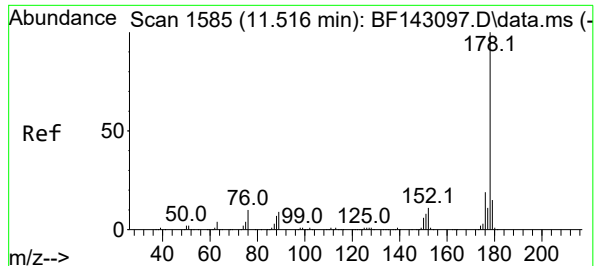


#70
Pentachlorophenol
Concen: 44.978 ng
RT: 11.292 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27



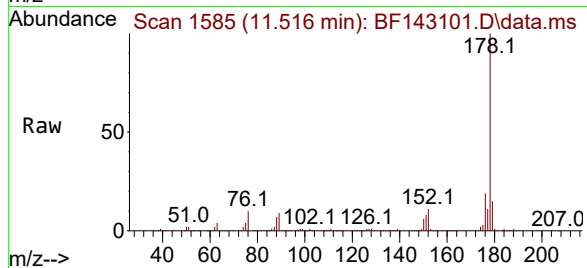
Tgt Ion:266 Resp: 118797
Ion Ratio Lower Upper
266 100
268 64.1 51.8 77.6
264 63.7 49.7 74.5





#71
Phenanthrene
Concen: 40.469 ng
RT: 11.516 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

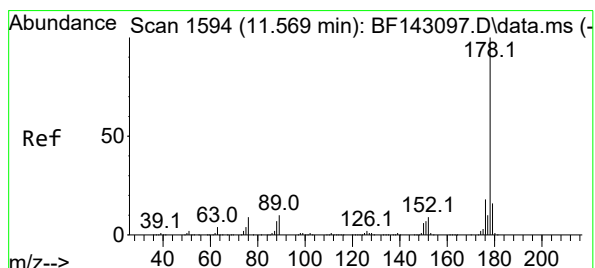
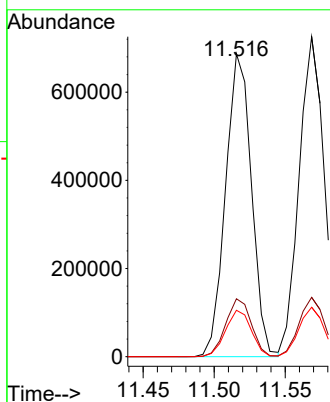
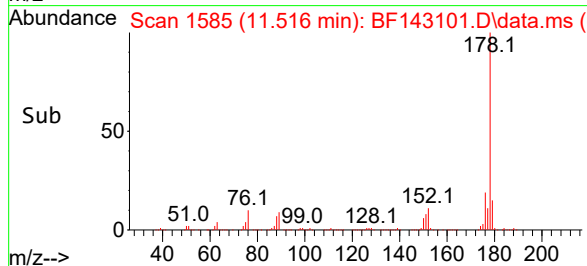
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:178 Resp: 871369
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.3 12.2 18.4

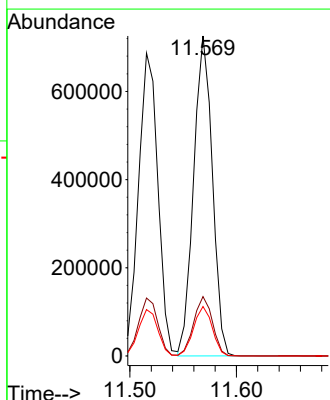
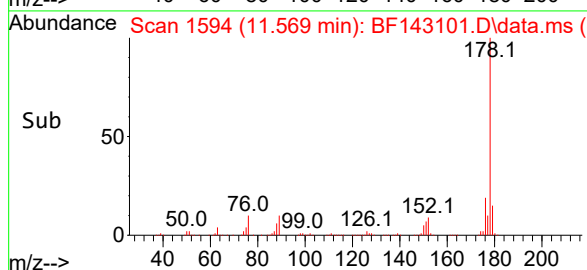
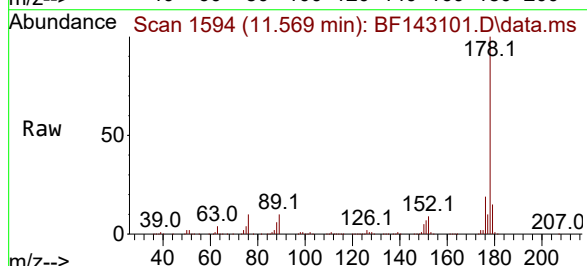
Manual Integrations
APPROVED

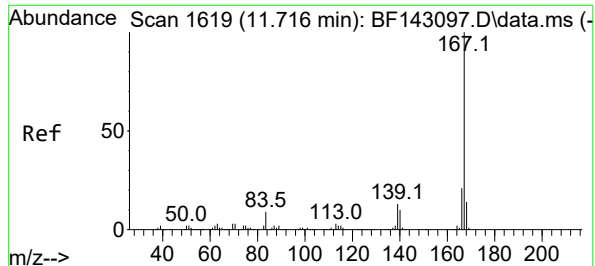
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#72
Anthracene
Concen: 40.999 ng
RT: 11.569 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

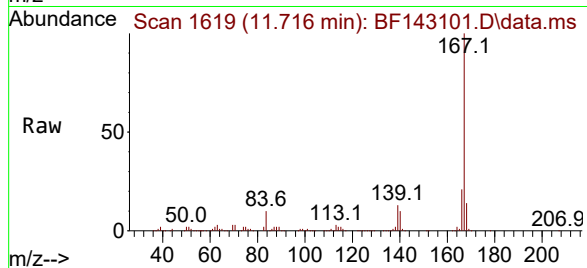
Tgt Ion:178 Resp: 887738
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.5 12.4 18.6





#73
Carbazole
Concen: 40.823 ng
RT: 11.716 min Scan# 1619
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

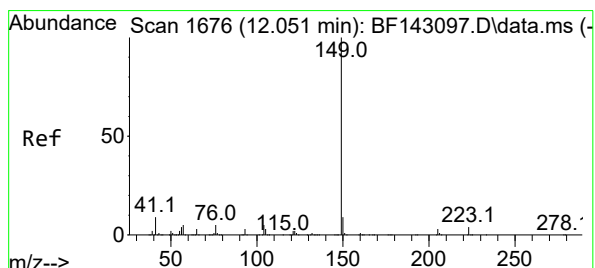
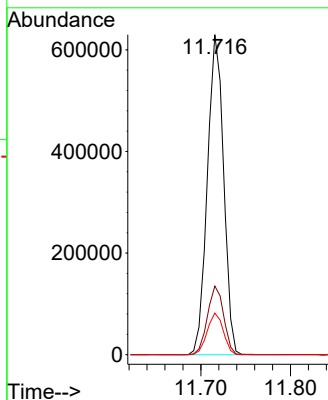
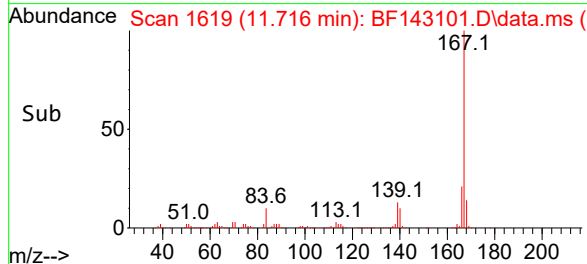
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



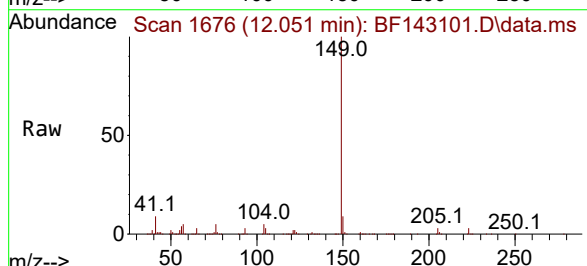
Tgt Ion:167 Resp: 791880
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.4
139 13.0 10.2 15.4

Manual Integrations
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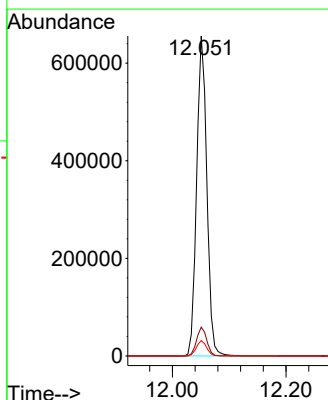
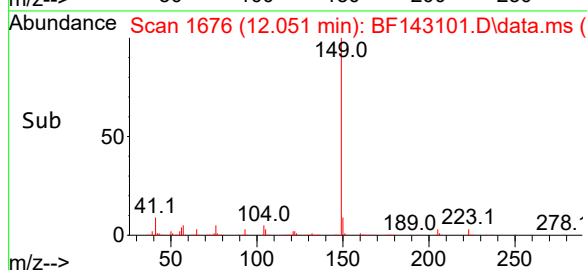
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

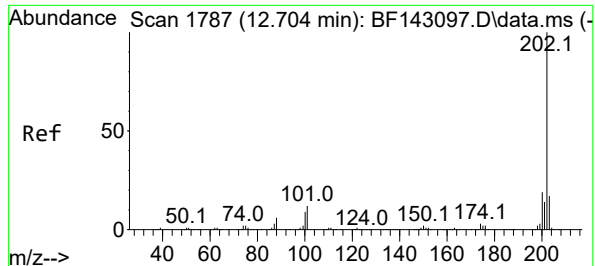


#74
Di-n-butylphthalate
Concen: 46.099 ng
RT: 12.051 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27



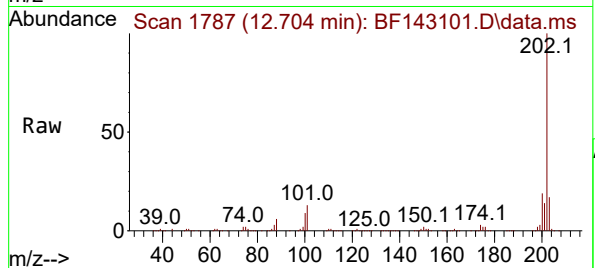
Tgt Ion:149 Resp: 820833
Ion Ratio Lower Upper
149 100
150 9.0 7.3 10.9
104 4.8 3.8 5.8





#75
Fluoranthene
Concen: 42.113 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

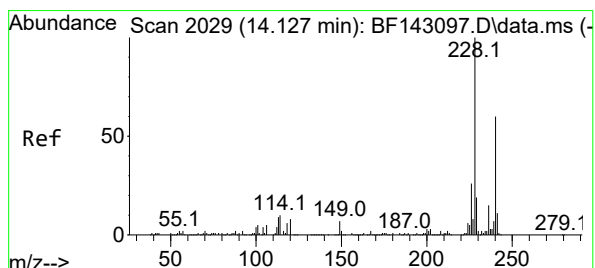
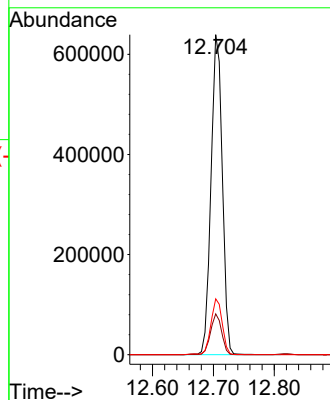
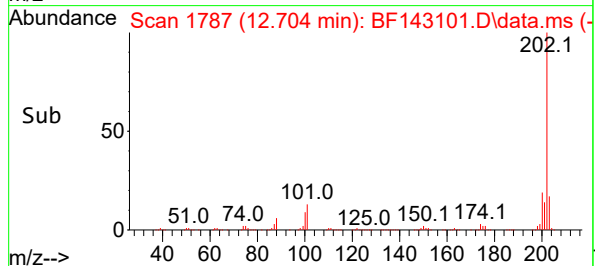
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:202 Resp: 82449
Ion Ratio Lower Upper
202 100
101 12.7 0.0 32.4
203 17.5 0.0 37.4

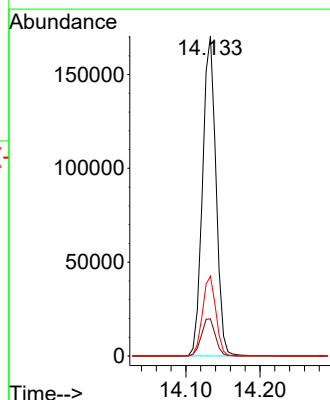
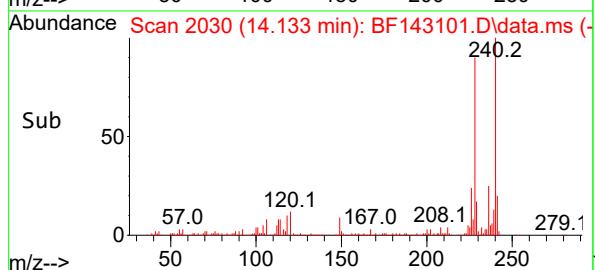
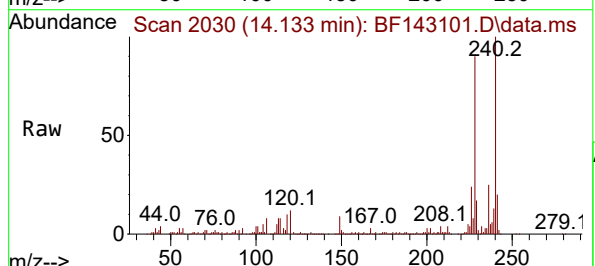
Manual Integrations
APPROVED

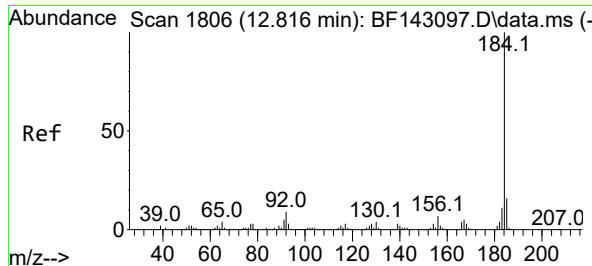
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

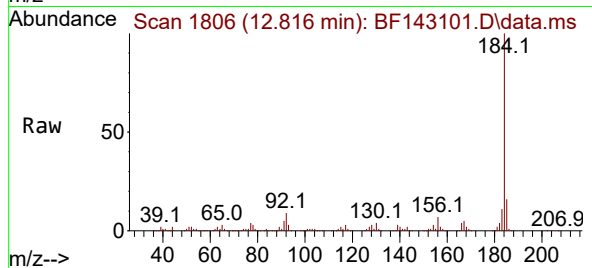
Tgt Ion:240 Resp: 215152
Ion Ratio Lower Upper
240 100
120 11.6 10.0 15.0
236 24.9 20.0 30.0





#77
Benzidine
Concen: 47.827 ng
RT: 12.816 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

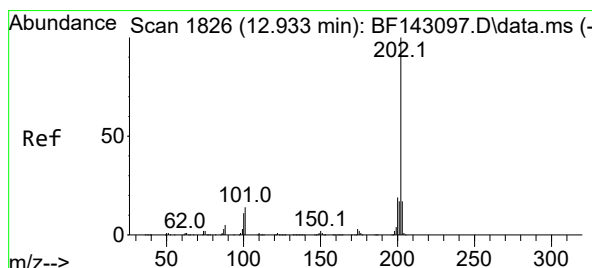
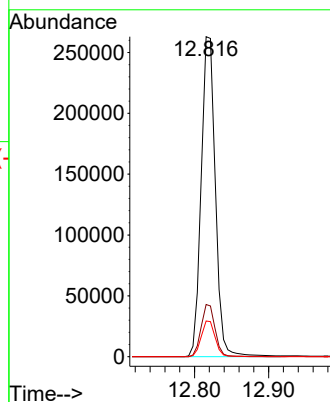
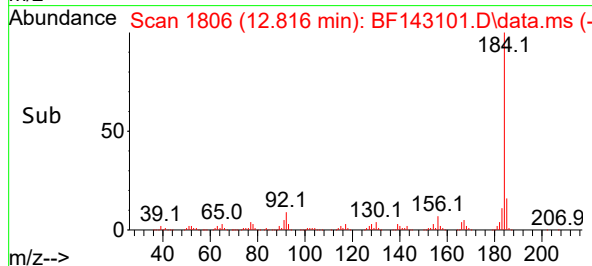
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:184 Resp: 35057
Ion Ratio Lower Upper
184 100
185 16.3 12.4 18.6
183 11.1 8.6 12.8

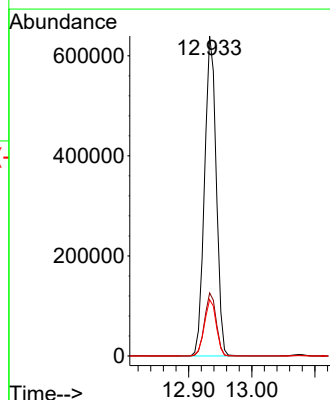
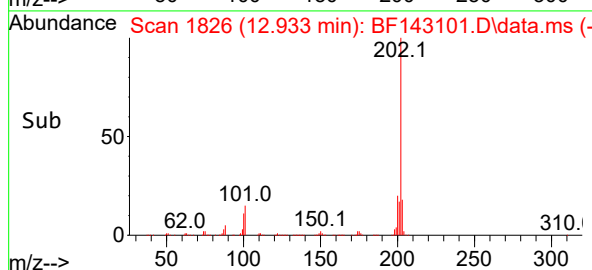
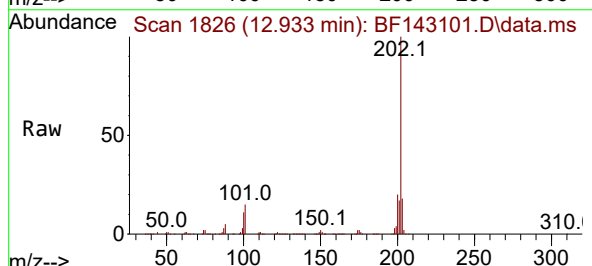
Manual Integrations
APPROVED

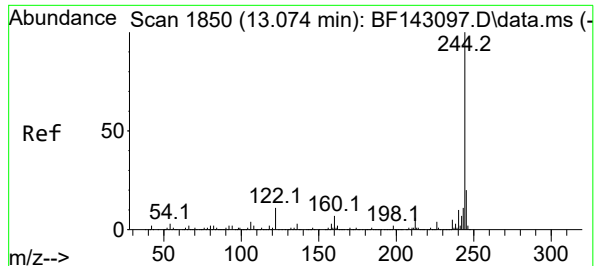
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#78
Pyrene
Concen: 41.087 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:202 Resp: 820201
Ion Ratio Lower Upper
202 100
200 19.7 15.5 23.3
203 17.6 14.0 21.0





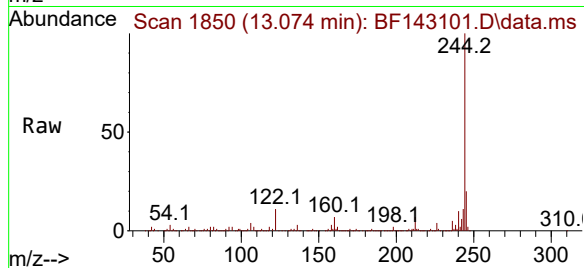
#79
Terphenyl-d14
Concen: 72.317 ng
RT: 13.074 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

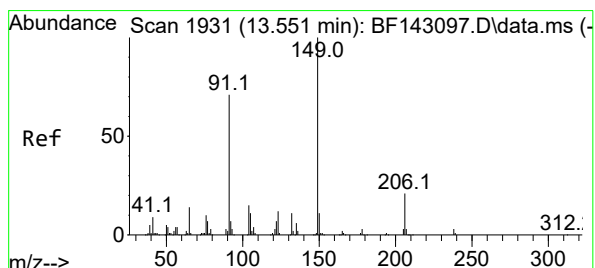
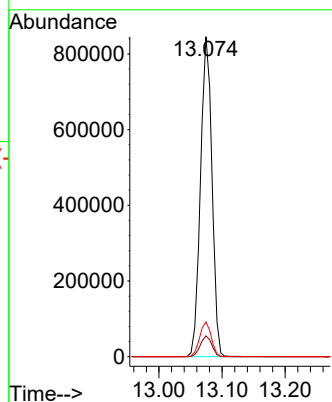
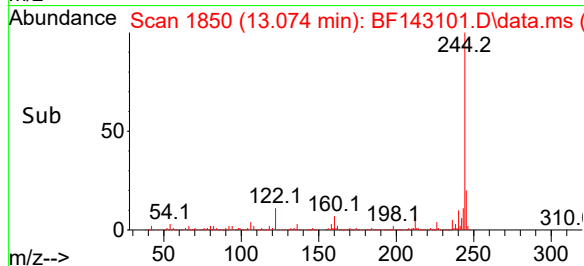


Tgt Ion:244 Resp: 1064372
Ion Ratio Lower Upper
244 100
212 6.5 5.2 7.8
122 10.9 8.8 13.2

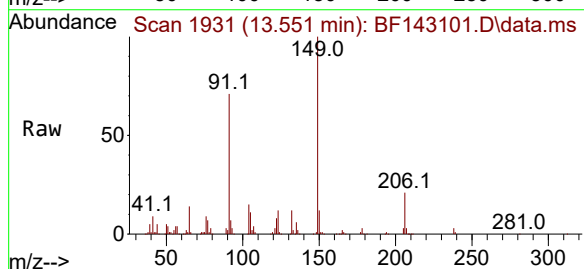
Manual Integrations

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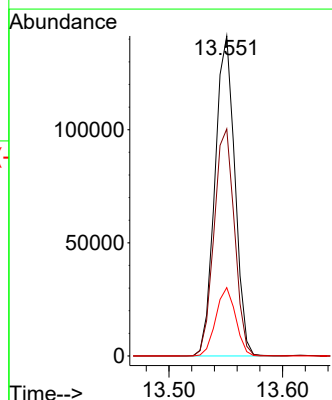
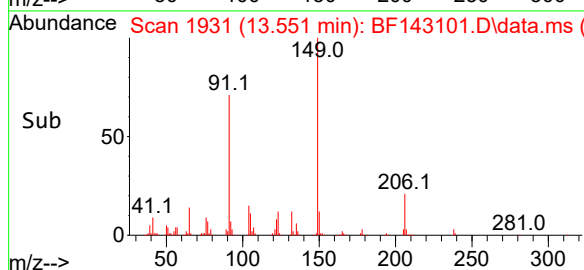
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

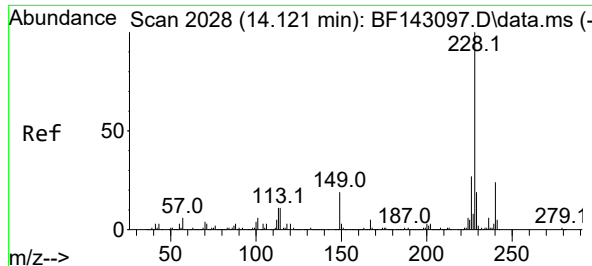


#80
Butylbenzylphthalate
Concen: 43.340 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27



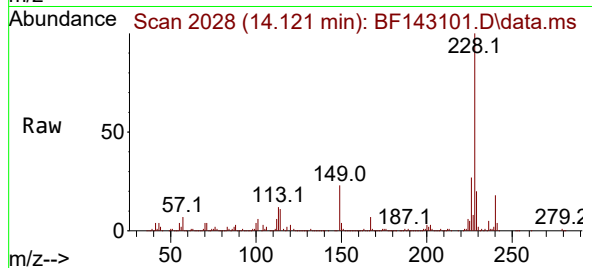
Tgt Ion:149 Resp: 172390
Ion Ratio Lower Upper
149 100
91 71.0 57.0 85.4
206 21.3 17.2 25.8





#81
Benzo(a)anthracene
Concen: 40.719 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

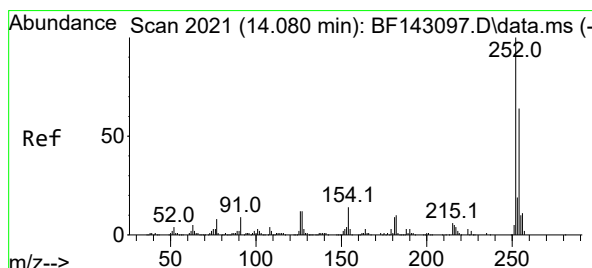
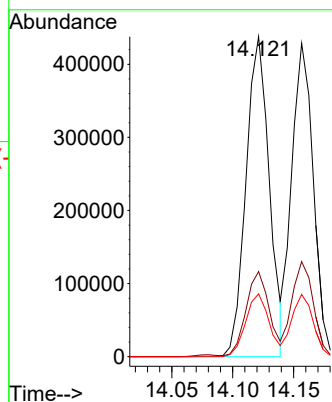
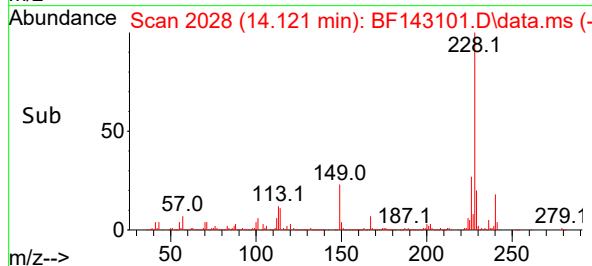
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



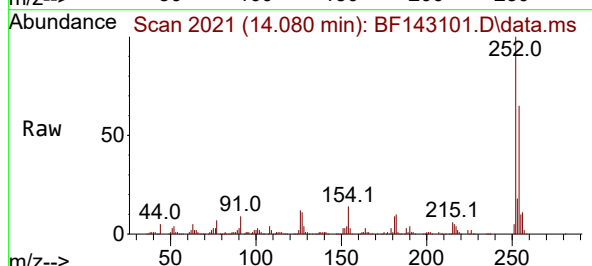
Tgt Ion:228 Resp: 583794
Ion Ratio Lower Upper
228 100
226 26.6 21.3 31.9
229 19.6 15.5 23.3

Manual Integrations
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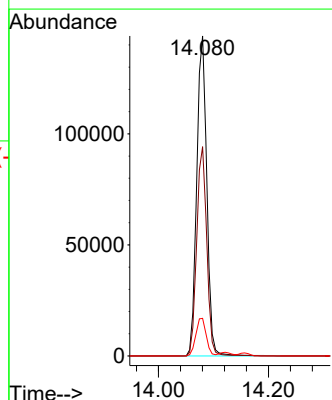
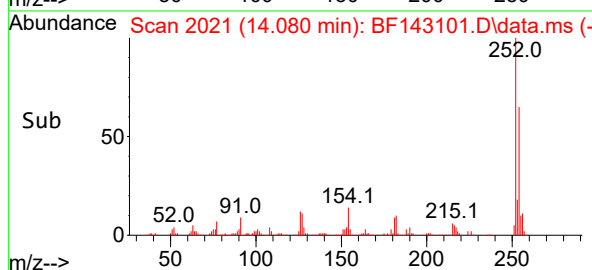
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

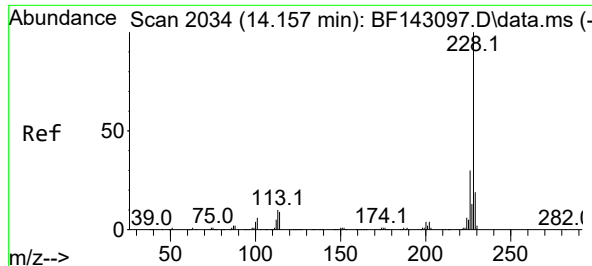


#82
3,3'-Dichlorobenzidine
Concen: 44.044 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27



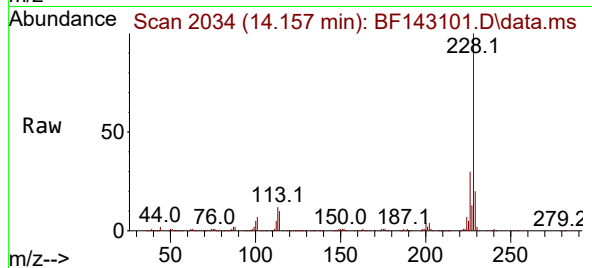
Tgt Ion:252 Resp: 183371
Ion Ratio Lower Upper
252 100
254 65.4 51.5 77.3
126 11.7 9.4 14.0





#83
Chrysene
Concen: 40.139 ng
RT: 14.157 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

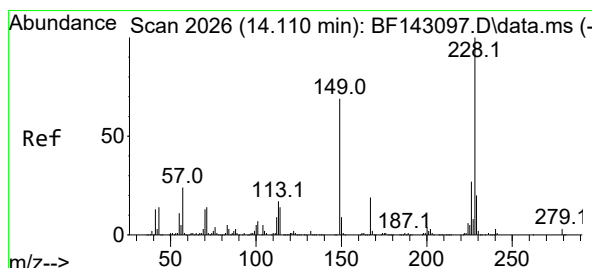
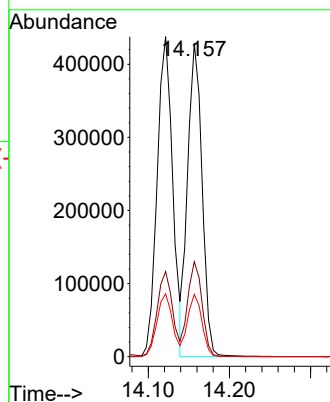
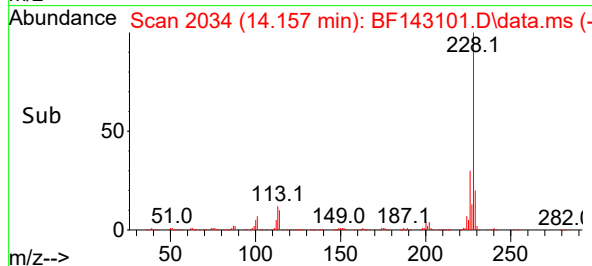
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:228 Resp: 530018
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.2
229 19.8 15.3 22.9

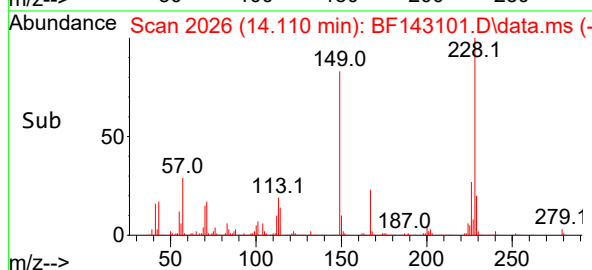
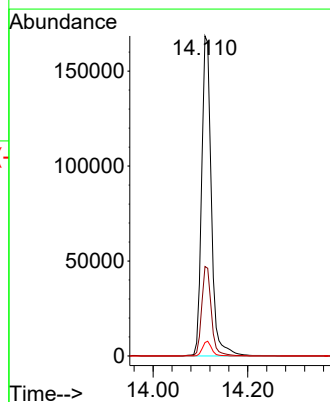
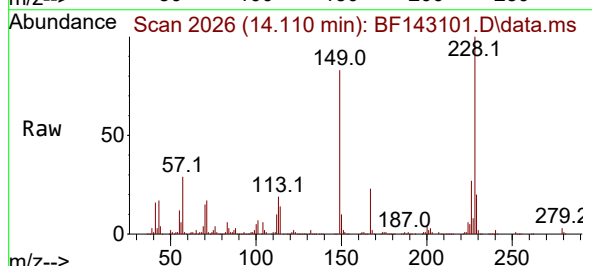
Manual Integrations
APPROVED

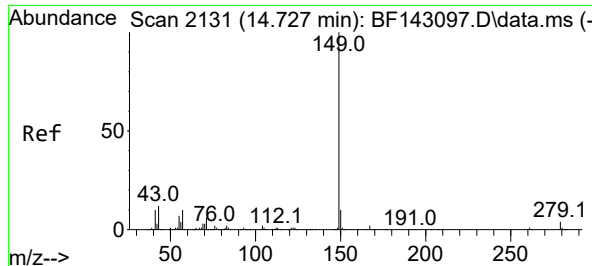
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 40.166 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

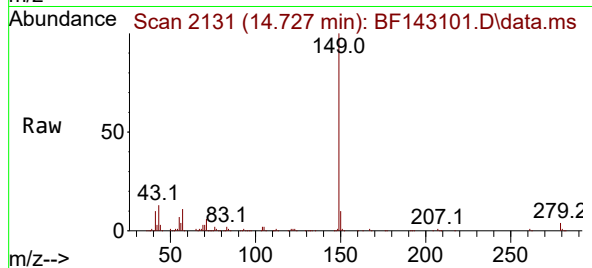
Tgt Ion:149 Resp: 239329
Ion Ratio Lower Upper
149 100
167 27.9 21.9 32.9
279 4.2 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 38.648 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

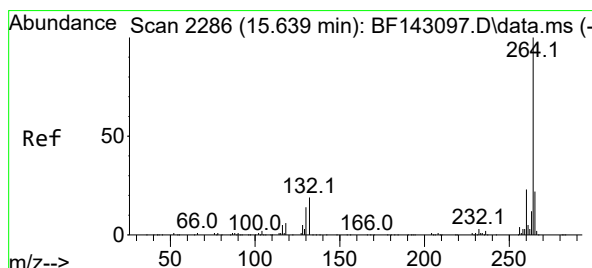
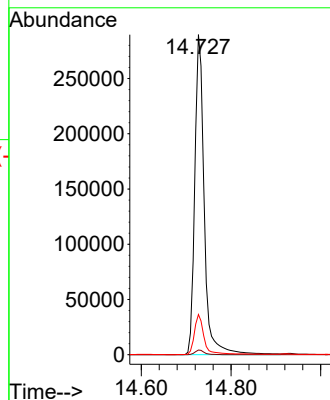
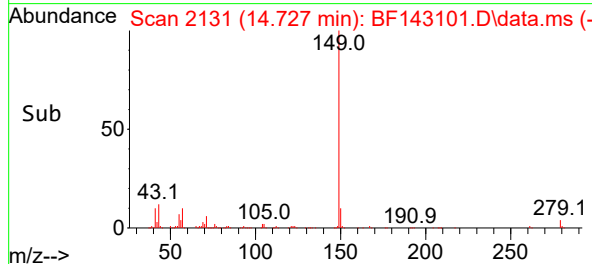
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:149 Resp: 424959
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 13.5 10.6 16.0

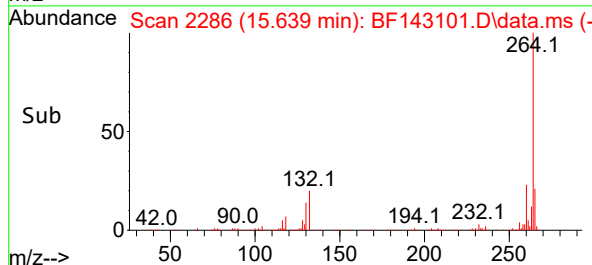
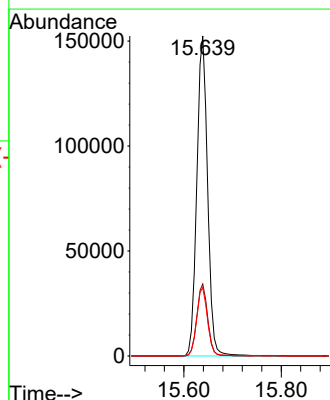
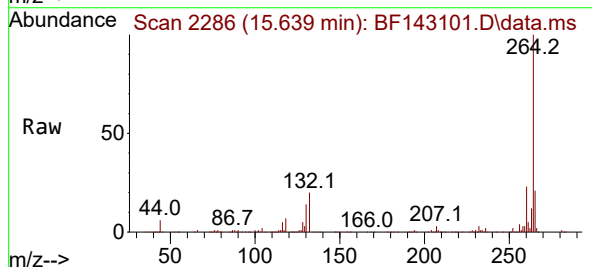
Manual Integrations
APPROVED

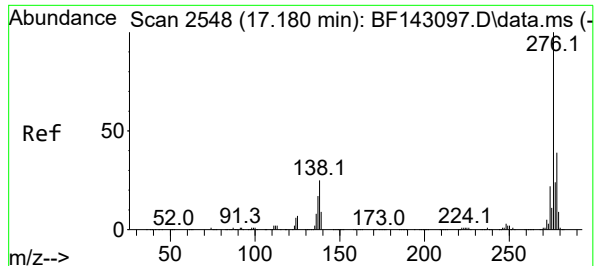
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:264 Resp: 235493
Ion Ratio Lower Upper
264 100
260 22.5 18.5 27.7
265 21.3 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.503 ng

RT: 17.186 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

Tgt Ion:276 Resp: 74444

Ion Ratio Lower Upper

276 100

138 28.1 22.6 34.0

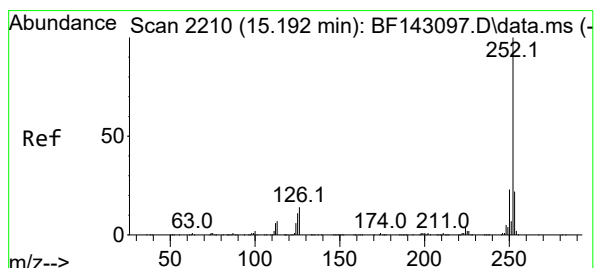
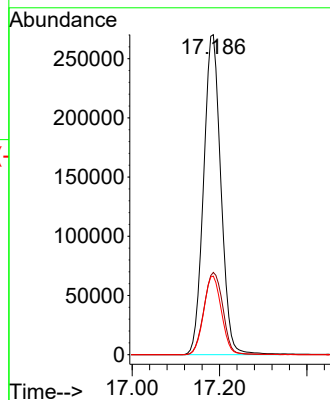
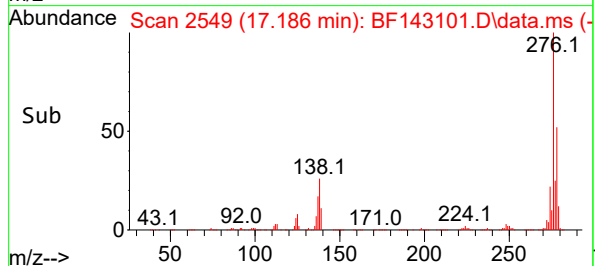
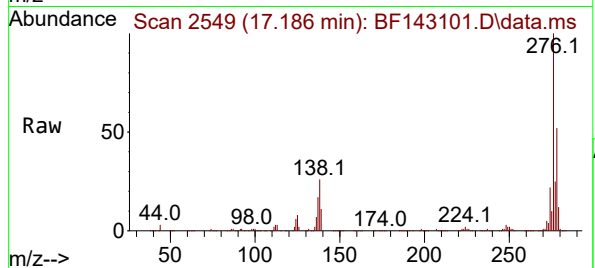
277 25.4 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#88

Benzo(b)fluoranthene

Concen: 43.782 ng

RT: 15.192 min Scan# 2210

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

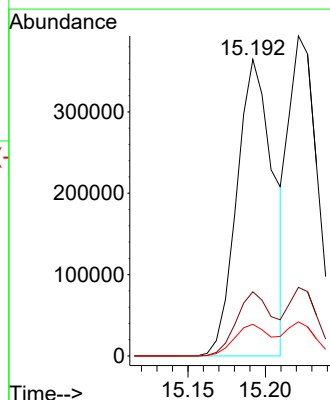
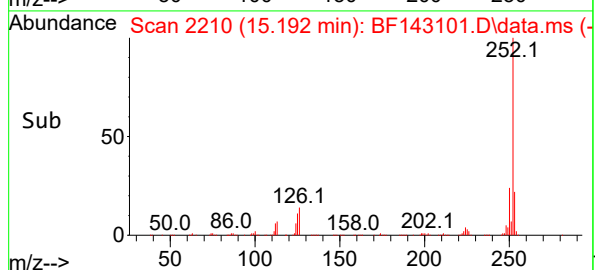
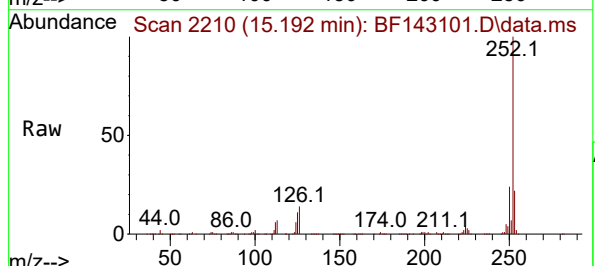
Tgt Ion:252 Resp: 594727

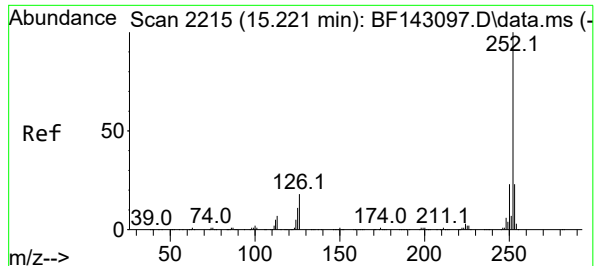
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.7 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 39.662 ng

RT: 15.221 min Scan# 2215

Delta R.T. -0.000 min

Lab File: BF143101.D

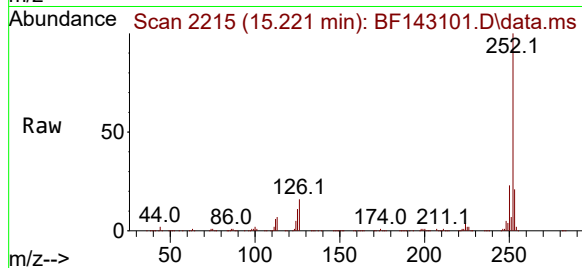
Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525



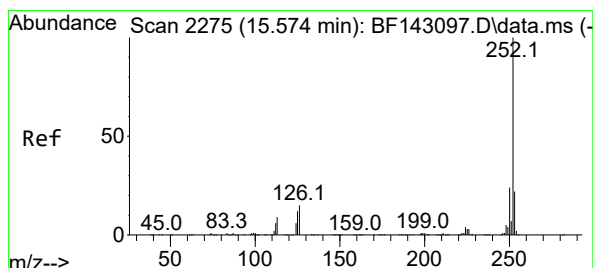
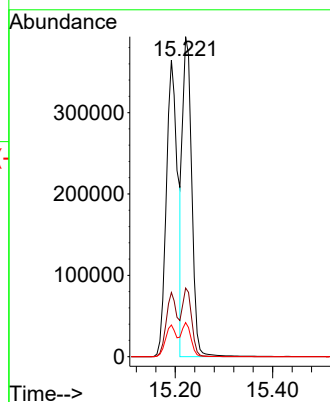
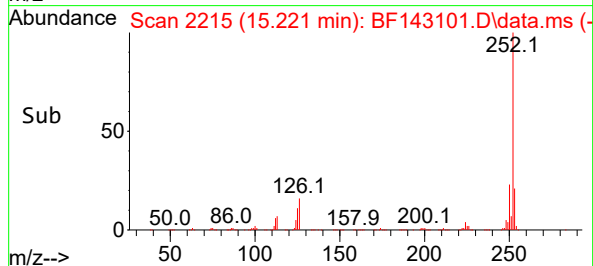
Tgt Ion:252 Resp: 513975
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.2
125 10.7 8.5 12.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/16/2025

Supervised By :Jagrut Upadhyay 07/16/2025



#90

Benzo(a)pyrene

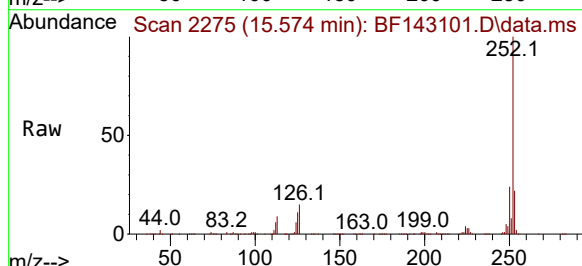
Concen: 42.724 ng

RT: 15.574 min Scan# 2275

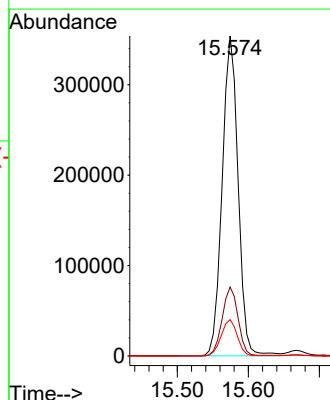
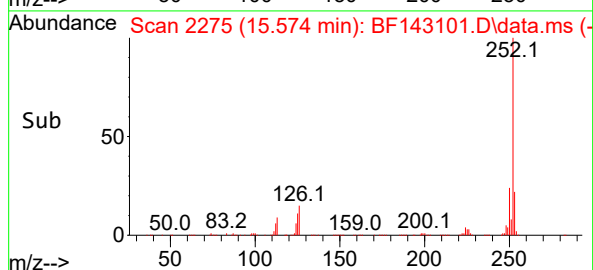
Delta R.T. -0.000 min

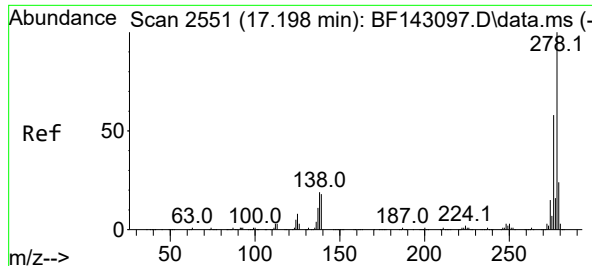
Lab File: BF143101.D

Acq: 15 Jul 2025 17:27



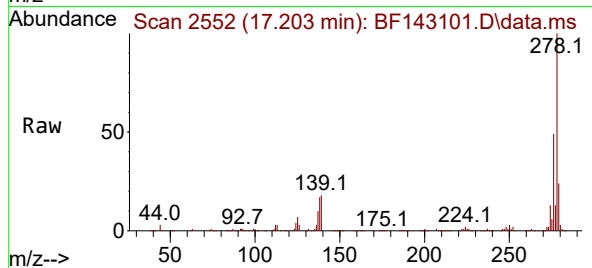
Tgt Ion:252 Resp: 548875
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 11.4 9.4 14.0





#91
Dibenzo(a,h)anthracene
Concen: 42.735 ng
RT: 17.203 min Scan# 2552
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

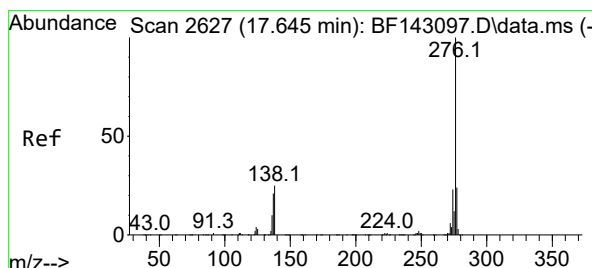
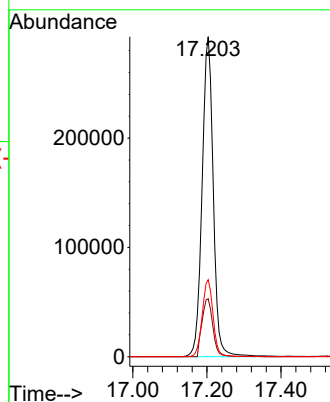
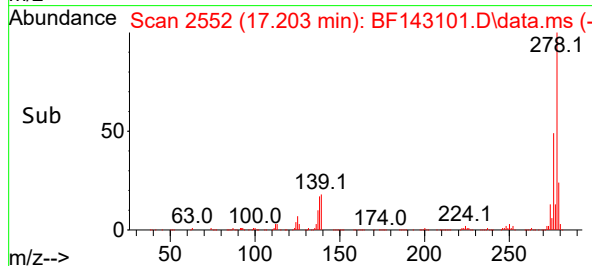
Instrument :
BNA_F
ClientSampleId :
ICVBF071525



Tgt Ion:278 Resp: 61188
Ion Ratio Lower Upper
278 100
139 18.1 14.6 22.0
279 24.1 18.8 28.2

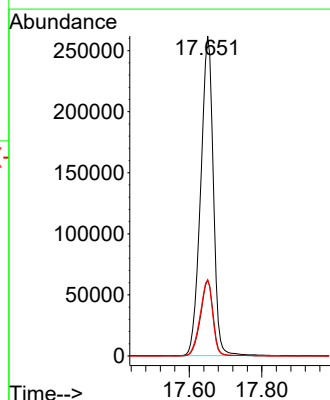
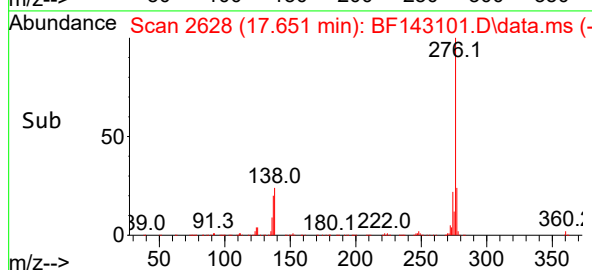
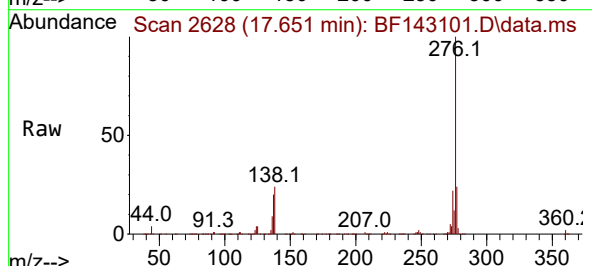
Manual Integrations
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Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 43.359 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:276 Resp: 632939
Ion Ratio Lower Upper
276 100
277 23.7 19.2 28.8
138 23.9 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143101.D
 Acq On : 15 Jul 2025 17:27
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071525

Quant Time: Jul 15 17:54:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2	1,4-Dioxane	0.630	0.602	4.4	101	0.00
3	Pyridine	1.596	1.636	-2.5	108	0.00
4	n-Nitrosodimethylamine	0.827	0.857	-3.6	111	0.00
5 S	2-Fluorophenol	1.266	1.247	1.5	105	0.00
6	Aniline	2.241	2.299	-2.6	110	0.00
7 S	Phenol-d6	1.591	1.563	1.8	105	0.00
8	2-Chlorophenol	1.272	1.348	-6.0	112	0.00
9	Benzaldehyde	1.212	1.125	7.2	82	0.00
10 C	Phenol	1.723	1.795	-4.2	111	0.00
11	bis(2-Chloroethyl)ether	1.334	1.362	-2.1	110	0.00
12	1,3-Dichlorobenzene	1.437	1.462	-1.7	109	0.00
13 C	1,4-Dichlorobenzene	1.446	1.465	-1.3	109	0.00
14	1,2-Dichlorobenzene	1.379	1.405	-1.9	109	0.00
15	Benzyl Alcohol	1.179	1.248	-5.9	113	0.00
16	2,2'-oxybis(1-Chloropropane	2.458	2.475	-0.7	109	0.00
17	2-Methylphenol	1.098	1.140	-3.8	111	0.00
18	Hexachloroethane	0.471	0.509	-8.1	114	0.00
19 P	n-Nitroso-di-n-propylamine	0.975	1.023	-4.9	112	0.00
20	3+4-Methylphenols	1.346	1.415	-5.1	110	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22	Acetophenone	0.482	0.486	-0.8	110	0.00
23 S	Nitrobenzene-d5	0.357	0.349	2.2	100	0.00
24	Nitrobenzene	0.344	0.384	-11.6	115	0.00
25	Isophorone	0.689	0.710	-3.0	111	0.00
26 C	2-Nitrophenol	0.114	0.151	-32.5#	134	0.00
27	2,4-Dimethylphenol	0.320	0.336	-5.0	112	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.426	-1.9	111	0.00
29 C	2,4-Dichlorophenol	0.262	0.285	-8.8	114	0.00
30	1,2,4-Trichlorobenzene	0.297	0.306	-3.0	110	0.00
31	Naphthalene	0.993	1.007	-1.4	111	0.00
32	Benzoic acid	0.139	0.170	-22.3	126	0.00
33	4-Chloroaniline	0.399	0.412	-3.3	110	0.00
34 C	Hexachlorobutadiene	0.178	0.183	-2.8	110	0.00
35	Caprolactam	0.082	0.089	-8.5	114	0.00
36 C	4-Chloro-3-methylphenol	0.291	0.309	-6.2	112	0.00
37	2-Methylnaphthalene	0.592	0.602	-1.7	111	0.00
38	1-Methylnaphthalene	0.615	0.629	-2.3	111	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	0.583	0.591	-1.4	111	0.00
41 P	Hexachlorocyclopentadiene	0.323	0.364	-12.7	123	0.00
42 S	2,4,6-Tribromophenol	0.178	0.192	-7.9	111	0.00
43 C	2,4,6-Trichlorophenol	0.362	0.398	-9.9	115	0.00
44	2,4,5-Trichlorophenol	0.380	0.408	-7.4	113	0.00
45 S	2-Fluorobiphenyl	1.505	1.299	13.7	97	0.00
46	1,1'-Biphenyl	1.595	1.610	-0.9	112	0.00
47	2-Chloronaphthalene	1.172	1.178	-0.5	111	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143101.D
 Acq On : 15 Jul 2025 17:27
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071525

Quant Time: Jul 15 17:54:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 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	0.303	0.374	-23.4	124	0.00
49	Acenaphthylene	1.952	1.988	-1.8	111	0.00
50	Dimethylphthalate	1.258	1.298	-3.2	113	0.00
51	2,6-Dinitrotoluene	0.219	0.266	-21.5	124	0.00
52 C	Acenaphthene	1.152	1.152	0.0	111	0.00
53	3-Nitroaniline	0.272	0.324	-19.1	123	0.00
54 P	2,4-Dinitrophenol	0.073	0.094	-28.8#	149	0.00
55	Dibenzofuran	1.717	1.730	-0.8	111	0.00
56 P	4-Nitrophenol	0.216	0.247	-14.4	120	0.00
57	2,4-Dinitrotoluene	0.265	0.339	-27.9#	125	0.00
58	Fluorene	1.288	1.279	0.7	112	0.00
59	2,3,4,6-Tetrachlorophenol	0.302	0.339	-12.3	118	0.00
60	Diethylphthalate	1.214	1.284	-5.8	114	0.00
61	4-Chlorophenyl-phenylether	0.617	0.631	-2.3	112	0.00
62	4-Nitroaniline	0.236	0.281	-19.1	123	0.00
63	Azobenzene	1.343	1.370	-2.0	113	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	0.067	0.082	-22.4	138	0.00
66 c	n-Nitrosodiphenylamine	0.703	0.706	-0.4	112	0.00
67	4-Bromophenyl-phenylether	0.227	0.238	-4.8	115	0.00
68	Hexachlorobenzene	0.241	0.247	-2.5	113	0.00
69	Atrazine	0.180	0.199	-10.6	119	0.00
70 C	Pentachlorophenol	0.132	0.149	-12.9	122	0.00
71	Phenanthrene	1.079	1.092	-1.2	113	0.00
72	Anthracene	1.085	1.113	-2.6	114	0.00
73	Carbazole	0.972	0.992	-2.1	114	0.00
74	Di-n-butylphthalate	0.893	1.029	-15.2	121	0.00
75 C	Fluoranthene	0.981	1.033	-5.3	116	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	112	0.00
77	Benzidine	0.681	0.815	-19.7	109	0.00
78	Pyrene	1.856	1.906	-2.7	116	0.00
79 S	Terphenyl-d14	1.368	1.237	9.6	103	0.00
80	Butylbenzylphthalate	0.318	0.401	-26.1#	131	0.00
81	Benzo(a)anthracene	1.333	1.357	-1.8	113	0.00
82	3,3'-Dichlorobenzidine	0.387	0.426	-10.1	124	0.00
83	Chrysene	1.227	1.232	-0.4	115	0.00
84	Bis(2-ethylhexyl)phthalate	0.480	0.556	-15.8	121	0.00
85 c	Di-n-octyl phthalate	0.927	0.988	-6.6	120	0.00
86 I	Perylene-d12	1.000	1.000	0.0	104	0.00
87	Indeno(1,2,3-cd)pyrene	1.488	1.581	-6.2	108	0.00
88	Benzo(b)fluoranthene	1.154	1.263	-9.4	121	0.00
89	Benzo(k)fluoranthene	1.101	1.091	0.9	99	0.00
90 C	Benzo(a)pyrene	1.091	1.165	-6.8	108	0.00
91	Dibenzo(a,h)anthracene	1.216	1.299	-6.8	109	0.00
92	Benzo(g,h,i)perylene	1.240	1.344	-8.4	111	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143101.D
 Acq On : 15 Jul 2025 17:27
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071525

Quant Time: Jul 15 17:54:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	106	0.00
2	1,4-Dioxane	40.000	38.242	4.4	101	0.00
3	Pyridine	40.000	41.009	-2.5	108	0.00
4	n-Nitrosodimethylamine	40.000	41.468	-3.7	111	0.00
5 S	2-Fluorophenol	80.000	78.799	1.5	105	0.00
6	Aniline	40.000	41.038	-2.6	110	0.00
7 S	Phenol-d6	80.000	78.598	1.8	105	0.00
8	2-Chlorophenol	40.000	42.397	-6.0	112	0.00
9	Benzaldehyde	40.000	37.115	7.2	82	0.00
10 C	Phenol	40.000	41.681	-4.2	111	0.00
11	bis(2-Chloroethyl)ether	40.000	40.848	-2.1	110	0.00
12	1,3-Dichlorobenzene	40.000	40.694	-1.7	109	0.00
13 C	1,4-Dichlorobenzene	40.000	40.539	-1.3	109	0.00
14	1,2-Dichlorobenzene	40.000	40.782	-2.0	109	0.00
15	Benzyl Alcohol	40.000	42.336	-5.8	113	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.273	-0.7	109	0.00
17	2-Methylphenol	40.000	41.532	-3.8	111	0.00
18	Hexachloroethane	40.000	43.239	-8.1	114	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.982	-5.0	112	0.00
20	3+4-Methylphenols	40.000	42.057	-5.1	110	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22	Acetophenone	40.000	40.351	-0.9	110	0.00
23 S	Nitrobenzene-d5	80.000	78.289	2.1	100	0.00
24	Nitrobenzene	40.000	44.647	-11.6	115	0.00
25	Isophorone	40.000	41.188	-3.0	111	0.00
26 C	2-Nitrophenol	40.000	44.317	-10.8	134	0.00
27	2,4-Dimethylphenol	40.000	42.064	-5.2	112	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.789	-2.0	111	0.00
29 C	2,4-Dichlorophenol	40.000	43.580	-8.9	114	0.00
30	1,2,4-Trichlorobenzene	40.000	41.194	-3.0	110	0.00
31	Naphthalene	40.000	40.543	-1.4	111	0.00
32	Benzoic acid	40.000	43.449	-8.6	126	0.00
33	4-Chloroaniline	40.000	41.236	-3.1	110	0.00
34 C	Hexachlorobutadiene	40.000	41.324	-3.3	110	0.00
35	Caprolactam	40.000	43.536	-8.8	114	0.00
36 C	4-Chloro-3-methylphenol	40.000	42.387	-6.0	112	0.00
37	2-Methylnaphthalene	40.000	40.654	-1.6	111	0.00
38	1-Methylnaphthalene	40.000	40.922	-2.3	111	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.531	-1.3	111	0.00
41 P	Hexachlorocyclopentadiene	40.000	45.086	-12.7	123	0.00
42 S	2,4,6-Tribromophenol	80.000	85.971	-7.5	111	0.00
43 C	2,4,6-Trichlorophenol	40.000	43.955	-9.9	115	0.00
44	2,4,5-Trichlorophenol	40.000	43.001	-7.5	113	0.00
45 S	2-Fluorobiphenyl	80.000	69.090	13.6	97	0.00
46	1,1'-Biphenyl	40.000	40.387	-1.0	112	0.00
47	2-Chloronaphthalene	40.000	40.207	-0.5	111	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143101.D
 Acq On : 15 Jul 2025 17:27
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071525

Quant Time: Jul 15 17:54:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	43.148	-7.9	124	0.00
49	Acenaphthylene	40.000	40.736	-1.8	111	0.00
50	Dimethylphthalate	40.000	41.279	-3.2	113	0.00
51	2,6-Dinitrotoluene	40.000	43.156	-7.9	124	0.00
52 C	Acenaphthene	40.000	39.982	0.0	111	0.00
53	3-Nitroaniline	40.000	47.707	-19.3	123	0.00
54 P	2,4-Dinitrophenol	40.000	47.113	-17.8	149	0.00
55	Dibenzofuran	40.000	40.300	-0.7	111	0.00
56 P	4-Nitrophenol	40.000	45.720	-14.3	120	0.00
57	2,4-Dinitrotoluene	40.000	43.964	-9.9	125	0.00
58	Fluorene	40.000	39.732	0.7	112	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	44.902	-12.3	118	0.00
60	Diethylphthalate	40.000	42.297	-5.7	114	0.00
61	4-Chlorophenyl-phenylether	40.000	40.882	-2.2	112	0.00
62	4-Nitroaniline	40.000	47.486	-18.7	123	0.00
63	Azobenzene	40.000	40.833	-2.1	113	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	40.000	44.754	-11.9	138	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.179	-0.4	112	0.00
67	4-Bromophenyl-phenylether	40.000	41.782	-4.5	115	0.00
68	Hexachlorobenzene	40.000	40.915	-2.3	113	0.00
69	Atrazine	40.000	44.273	-10.7	119	0.00
70 C	Pentachlorophenol	40.000	44.978	-12.4	122	0.00
71	Phenanthrene	40.000	40.469	-1.2	113	0.00
72	Anthracene	40.000	40.999	-2.5	114	0.00
73	Carbazole	40.000	40.823	-2.1	114	0.00
74	Di-n-butylphthalate	40.000	46.099	-15.2	121	0.00
75 C	Fluoranthene	40.000	42.113	-5.3	116	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	112	0.00
77	Benzydine	40.000	47.827	-19.6	109	0.00
78	Pyrene	40.000	41.087	-2.7	116	0.00
79 S	Terphenyl-d14	80.000	72.317	9.6	103	0.00
80	Butylbenzylphthalate	40.000	43.340	-8.4	131	0.00
81	Benzo(a)anthracene	40.000	40.719	-1.8	113	0.00
82	3,3'-Dichlorobenzidine	40.000	44.044	-10.1	124	0.00
83	Chrysene	40.000	40.139	-0.3	115	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.166	-0.4	121	0.00
85 c	Di-n-octyl phthalate	40.000	38.648	3.4	120	0.00
86 I	Perylene-d12	20.000	20.000	0.0	104	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	42.503	-6.3	108	0.00
88	Benzo(b)fluoranthene	40.000	43.782	-9.5	121	0.00
89	Benzo(k)fluoranthene	40.000	39.662	0.8	99	0.00
90 C	Benzo(a)pyrene	40.000	42.724	-6.8	108	0.00
91	Dibenzo(a,h)anthracene	40.000	42.735	-6.8	109	0.00
92	Benzo(g,h,i)perylene	40.000	43.359	-8.4	111	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071725.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 17 15:14:05 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143140.D 5 =BF143141.D 10 =BF143142.D 20 =BF143143.D 40 =BF143144.D 50 =BF143145.D 60 =BF143146.D 80 =BF143147.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.622	0.582	0.614	0.600	0.625	0.584	0.558	0.598		4.09
3)	Pyridine	1.631	1.557	1.551	1.530	1.618	1.525	1.452	1.552		3.88
4)	n-Nitrosodimet...		0.776	0.799	0.810	0.851	0.804	0.768	0.801		3.66
5) S	2-Fluorophenol	1.385	1.313	1.319	1.231	1.284	1.194	1.121	1.264		7.00
6)	Aniline	2.334	2.259	2.273	2.204	2.292	2.139	2.018	2.217		4.86
7) S	Phenol-d6	1.733	1.640	1.657	1.554	1.632	1.506	1.413	1.591		6.72
8)	2-Chlorophenol	1.391	1.343	1.371	1.310	1.369	1.284	1.205	1.325		4.87
9)	Benzaldehyde		1.167	1.163	1.443	1.411	1.122	0.851	1.193		18.13
10) C	Phenol	1.882	1.767	1.776	1.711	1.788	1.675	1.531	1.733		6.37
11)	bis(2-Chloroet...	1.419	1.343	1.379	1.303	1.361	1.281	1.203	1.327		5.40
12)	1,3-Dichlorobe...	1.572	1.513	1.494	1.401	1.466	1.362	1.266	1.439		7.18
13) C	1,4-Dichlorobe...	1.602	1.518	1.502	1.418	1.473	1.357	1.275	1.449		7.52
14)	1,2-Dichlorobe...	1.509	1.413	1.445	1.343	1.413	1.303	1.223	1.378		6.96
15)	Benzyl Alcohol		1.214	1.246	1.215	1.278	1.193	1.141	1.215		3.85
16)	2,2'-oxybis(1-...	2.670	2.553	2.545	2.421	2.517	2.343	2.182	2.461		6.55
17)	2-Methylphenol	1.178	1.111	1.141	1.097	1.160	1.084	1.026	1.114		4.61
18)	Hexachloroethane	0.522	0.498	0.522	0.495	0.525	0.491	0.460	0.502		4.68
19) P	n-Nitroso-di-n...	1.101	1.111	1.051	1.028	0.986	1.023	0.953	0.912	1.021	6.76
20)	3+4-Methylphenols		1.467	1.469	1.341	1.402	1.268	1.162	1.351		8.95
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.527	0.504	0.501	0.455	0.476	0.442	0.409	0.474		8.65
23) S	Nitrobenzene-d5	0.407	0.394	0.417	0.399	0.417	0.397	0.378	0.401		3.47
24)	Nitrobenzene	0.380	0.370	0.388	0.375	0.388	0.373	0.345	0.374		3.88
25)	Isophorone	0.748	0.707	0.711	0.692	0.734	0.699	0.667	0.708		3.75
26) C	2-Nitrophenol	0.133	0.141	0.164	0.172	0.182	0.177	0.168	0.162		11.25
27)	2,4-Dimethylph...	0.356	0.340	0.341	0.324	0.338	0.319	0.298	0.331		5.70
28)	bis(2-Chloroet...	0.463	0.437	0.442	0.413	0.430	0.405	0.383	0.425		6.28
29) C	2,4-Dichloroph...	0.292	0.282	0.287	0.276	0.289	0.271	0.256	0.279		4.44
30)	1,2,4-Trichlor...	0.329	0.307	0.318	0.294	0.303	0.290	0.270	0.302		6.43
31)	Naphthalene	1.118	1.038	1.032	0.954	0.986	0.916	0.851	0.985		8.91
32)	Benzoic acid		0.104	0.149	0.180	0.197	0.187	0.194	0.169		21.36
33)	4-Chloroaniline	0.437	0.417	0.419	0.390	0.408	0.383	0.361	0.402		6.33
34) C	Hexachlorobuta...	0.193	0.190	0.191	0.181	0.188	0.179	0.169	0.184		4.59
35)	Caprolactam		0.078	0.084	0.087	0.091	0.085	0.082	0.084		5.35
36) C	4-Chloro-3-met...	0.319	0.310	0.307	0.301	0.311	0.294	0.282	0.303		4.04
37)	2-Methylnaphth...	0.667	0.634	0.628	0.580	0.603	0.561	0.522	0.599		8.17
38)	1-Methylnaphth...	0.682	0.652	0.650	0.599	0.621	0.579	0.537	0.617		8.05

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071725.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.638	0.598	0.601	0.550	0.582	0.558	0.515	0.577	6.93	
41) P	Hexachlorocycl...		0.337	0.373	0.373	0.404	0.393	0.374	0.376	6.14	
42) S	2,4,6-Tribromo...	0.200	0.202	0.212	0.210	0.218	0.206	0.198	0.207	3.55	
43) C	2,4,6-Trichlor...	0.391	0.406	0.412	0.384	0.429	0.401	0.374	0.400	4.63	
44)	2,4,5-Trichlor...	0.404	0.387	0.411	0.405	0.411	0.395	0.384	0.400	2.76	
45) S	2-Fluorobiphenyl	1.761	1.644	1.547	1.358	1.414	1.323	1.190	1.462	13.58	
46)	1,1'-Biphenyl	1.748	1.667	1.640	1.489	1.553	1.472	1.353	1.560	8.62	
47)	2-Chloronaphth...	1.268	1.223	1.192	1.103	1.166	1.104	1.026	1.155	7.14	
48)	2-Nitroaniline	0.305	0.333	0.372	0.377	0.396	0.386	0.366	0.362	8.85	
49)	Acenaphthylene	2.134	2.052	2.011	1.860	1.958	1.834	1.694	1.935	7.71	
50)	Dimethylphthalate	1.422	1.340	1.340	1.279	1.325	1.251	1.169	1.304	6.16	
51)	2,6-Dinitrotol...	0.225	0.250	0.272	0.278	0.289	0.277	0.266	0.265	8.14	
52) C	Acenaphthene	1.278	1.194	1.184	1.096	1.155	1.083	1.016	1.144	7.53	
53)	3-Nitroaniline	0.285	0.300	0.315	0.317	0.334	0.318	0.303	0.310	5.13	
54) P	2,4-Dinitrophenol		0.051	0.081	0.104	0.116	0.118	0.121	0.098	28.02	
55)	Dibenzofuran	1.929	1.807	1.766	1.633	1.698	1.587	1.465	1.698	9.02	
56) P	4-Nitrophenol		0.200	0.228	0.246	0.250	0.237	0.229	0.232	7.70	
57)	2,4-Dinitrotol...	0.269	0.296	0.342	0.354	0.372	0.354	0.341	0.333	11.03	
58)	Fluorene	1.480	1.402	1.322	1.212	1.257	1.161	1.086	1.274	10.79	
59)	2,3,4,6-Tetrac...	0.321	0.331	0.345	0.333	0.351	0.329	0.309	0.331	4.30	
60)	Diethylphthalate	1.377	1.322	1.335	1.269	1.329	1.231	1.158	1.289	5.81	
61)	4-Chlorophenyl...	0.710	0.670	0.657	0.612	0.633	0.601	0.558	0.635	7.86	
62)	4-Nitroaniline	0.236	0.255	0.266	0.280	0.289	0.270	0.265	0.266	6.44	
63)	Azobenzene	1.452	1.401	1.389	1.320	1.364	1.278	1.196	1.343	6.38	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.054	0.087	0.097	0.110	0.109	0.109	0.094	22.88	
66) c	n-Nitrosodiphe...	0.761	0.728	0.721	0.674	0.726	0.685	0.634	0.704	6.03	
67)	4-Bromophenyl-...	0.252	0.238	0.241	0.228	0.247	0.239	0.223	0.238	4.26	
68)	Hexachlorobenzene	0.269	0.248	0.252	0.239	0.258	0.245	0.233	0.249	4.80	
69)	Atrazine	0.184	0.187	0.198	0.196	0.208	0.197	0.189	0.194	4.32	
70) C	Pentachlorophenol		0.119	0.146	0.148	0.160	0.155	0.150	0.147	9.70	
71)	Phenanthrene	1.191	1.100	1.117	1.020	1.069	1.002	0.934	1.062	7.98	
72)	Anthracene	1.184	1.136	1.134	1.038	1.095	1.038	0.956	1.083	7.13	
73)	Carbazole	1.042	0.969	0.982	0.929	0.963	0.899	0.836	0.946	6.93	
74)	Di-n-butylphth...	1.076	1.054	1.129	1.074	1.119	1.048	0.990	1.070	4.36	
75) C	Fluoranthene	1.085	0.987	1.018	0.953	0.979	0.928	0.873	0.975	6.91	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.758	0.844	0.953	0.697	0.601		0.771	17.53	
78)	Pyrene	1.909	1.783	1.783	1.715	1.740	1.523	1.494	1.707	8.72	
79) S	Terphenyl-d14	1.567	1.456	1.419	1.311	1.342	1.191	1.122	1.344	11.43	
80)	Butylbenzylphth...	0.438	0.472	0.536	0.544	0.582	0.556	0.532	0.523	9.61	
81)	Benzo(a)anthra...	1.374	1.367	1.381	1.282	1.422	1.313	1.235	1.339	4.86	
82)	3,3'-Dichlorob...		0.437	0.495	0.429	0.476	0.440	0.401	0.446	7.58	
83)	Chrysene	1.282	1.174	1.247	1.206	1.218	1.173	1.127	1.204	4.29	
84)	Bis(2-ethylhex...	0.691	0.755	0.824	0.789	0.862	0.826	0.789	0.791	7.03	
85) c	Di-n-octyl pht...		1.274	1.428	1.384	1.550	1.508	1.461	1.434	6.83	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.424 1.336 1.430 1.413 1.505 1.411 1.352 1.410	3.92
88)	Benzo(b)fluora...	1.231 1.136 1.287 1.147 1.352 1.188 1.212 1.222	6.30
89)	Benzo(k)fluora...	1.168 1.152 1.093 1.134 1.069 1.080 0.937 1.090	7.10
90) C	Benzo(a)pyrene	1.129 1.102 1.147 1.121 1.192 1.121 1.070 1.126	3.35
91)	Dibenzo(a,h)an...	1.159 1.103 1.179 1.147 1.221 1.140 1.087 1.148	3.92
92)	Benzo(g,h,i)pe...	1.100 1.047 1.140 1.109 1.196 1.113 1.067 1.110	4.37

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143140.D
Acq On : 17 Jul 2025 11:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 17 15:00:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

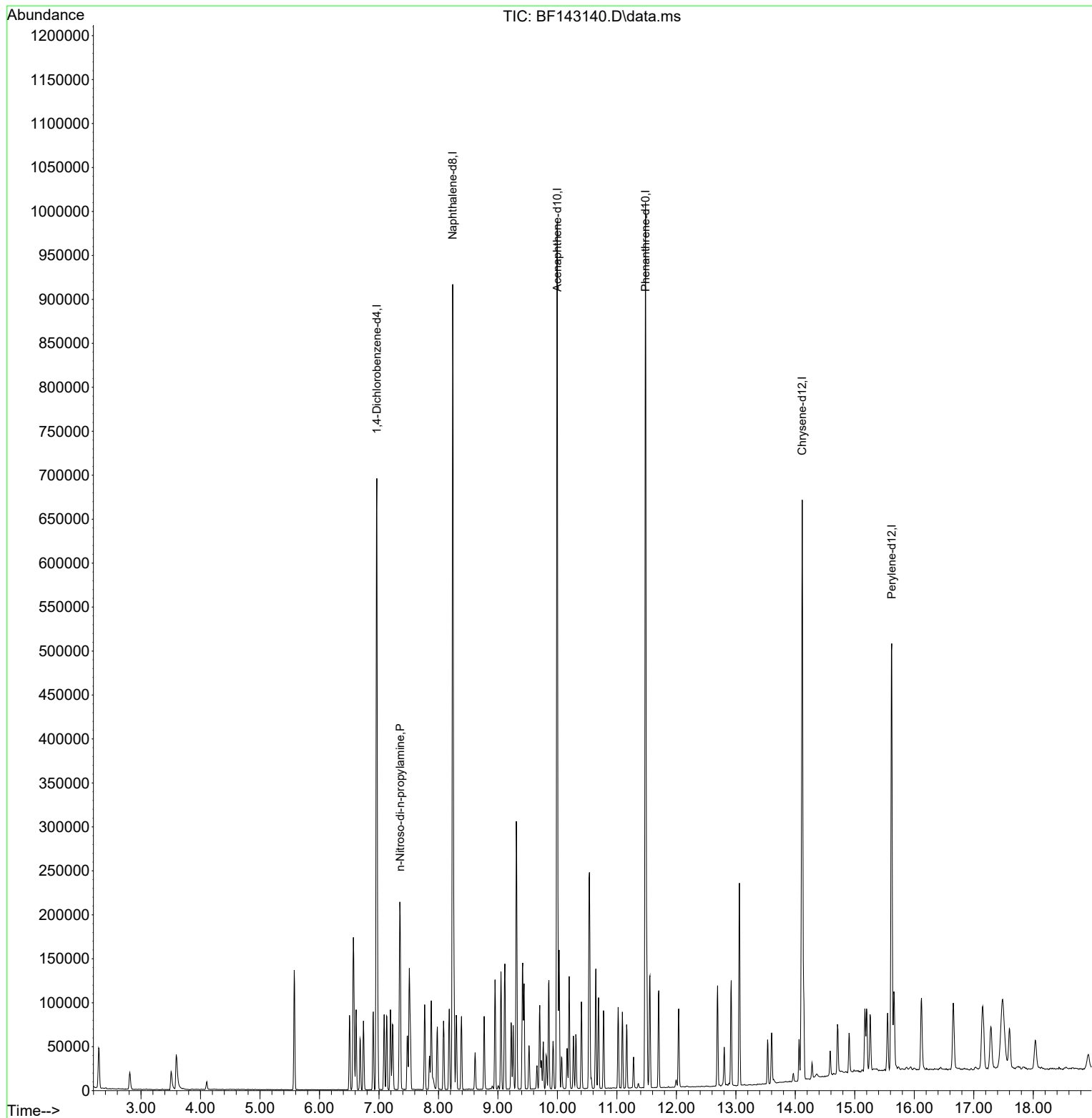
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	139766	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	547280	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	293149	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	492765	20.000	ng	0.00
76) Chrysene-d12	14.116	240	283469	20.000	ng	0.00
86) Perylene-d12	15.621	264	284847	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...	7.357	70	19227	2.696	ng	Qvalue 96

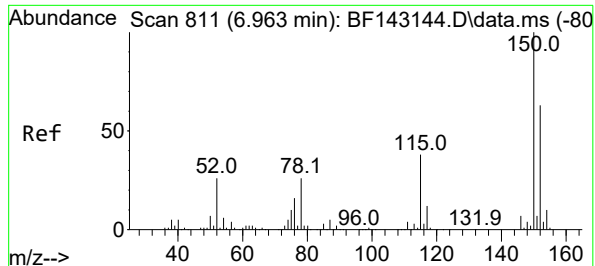
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143140.D
Acq On : 17 Jul 2025 11:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

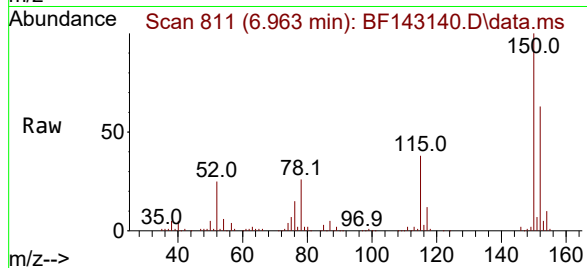
Quant Time: Jul 17 15:00:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration



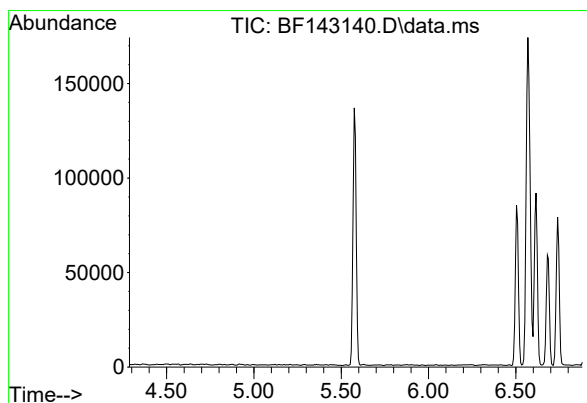
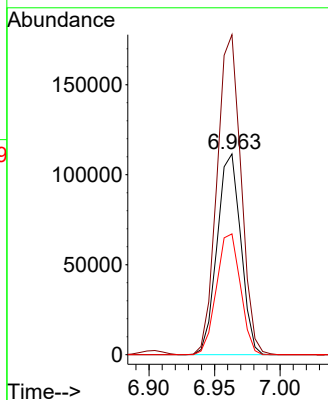
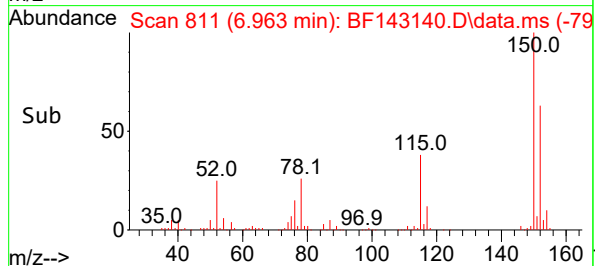


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



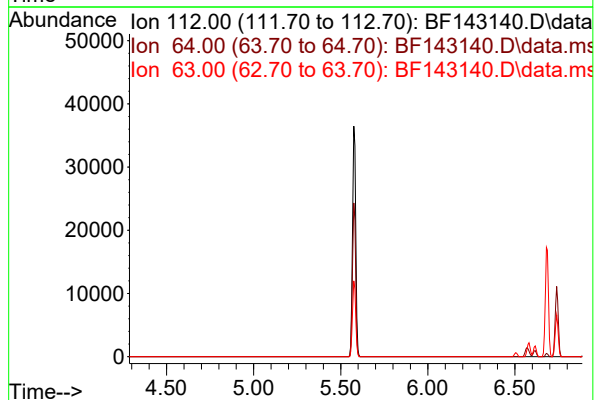
Tgt Ion:152 Resp: 139766
Ion Ratio Lower Upper
152 100
150 159.4 128.2 192.4
115 60.2 47.9 71.9



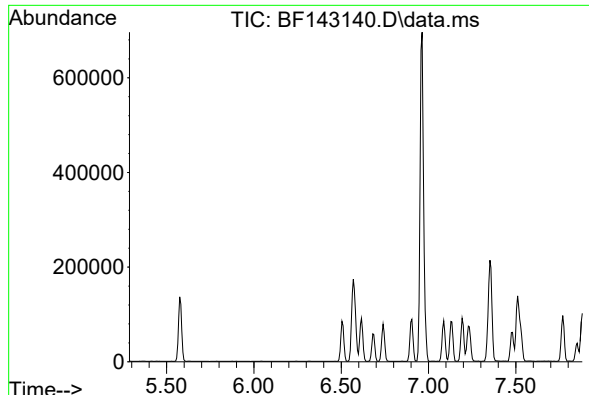
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.59 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 112
Sig Exp Ratio
112 100
64 66.4
63 33.3



Ion 64.00 (63.70 to 64.70): BF143140.D\data.ms
Ion 63.00 (62.70 to 63.70): BF143140.D\data.ms



#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.59 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

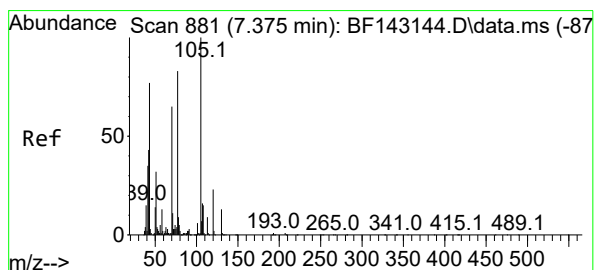
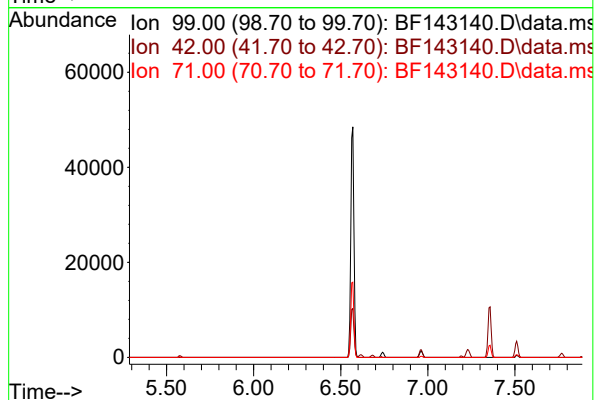
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.3

71 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.696 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.017 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Tgt Ion: 70 Resp: 19227

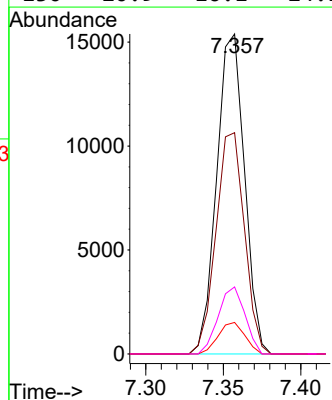
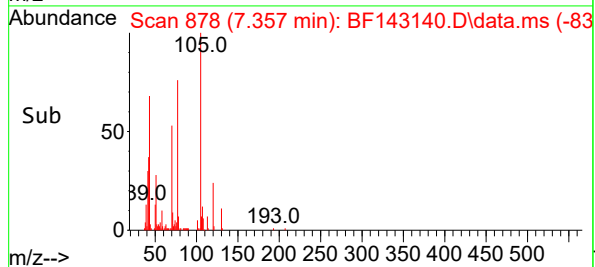
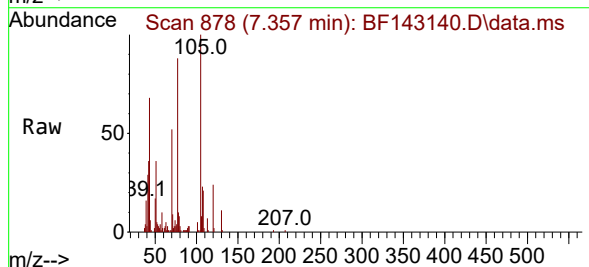
Ion Ratio Lower Upper

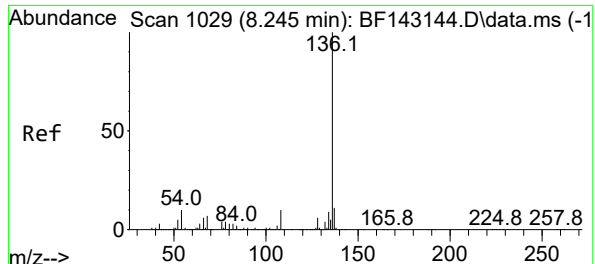
70 100

42 69.2 52.5 78.7

101 9.9 7.6 11.4

130 20.9 16.1 24.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.240 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF143140.D

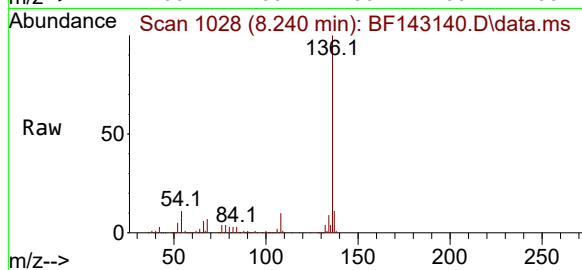
Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 547280

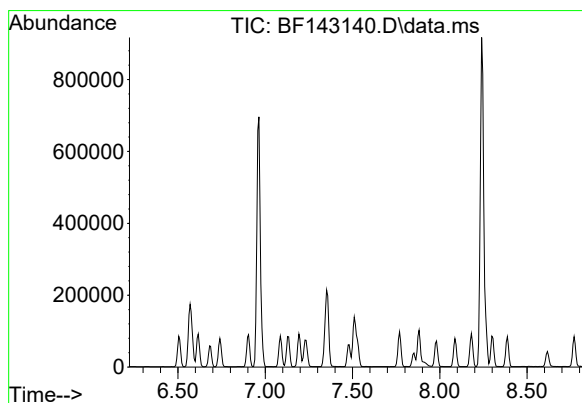
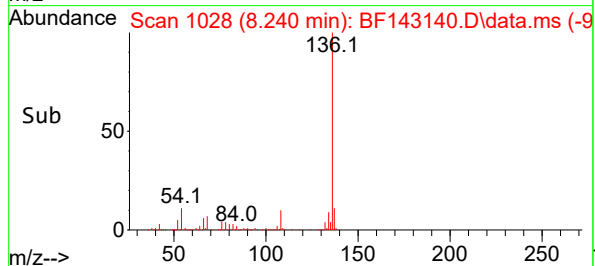
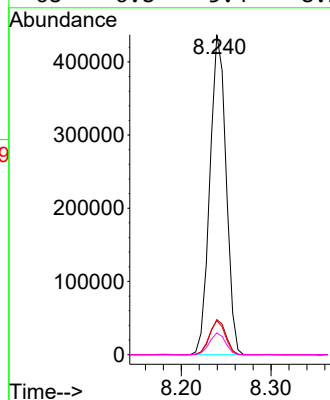
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.6 8.2 12.2

68 6.8 5.4 8.2



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.52 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

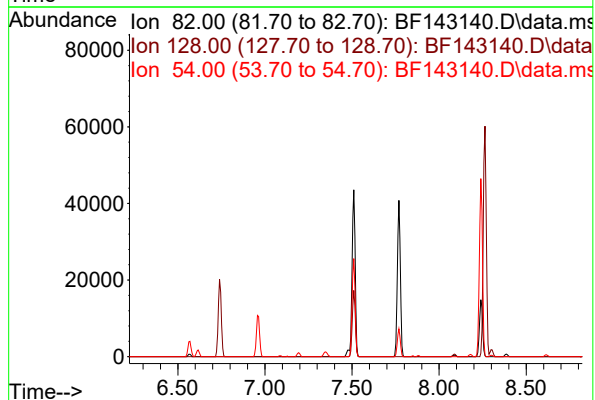
Tgt Ion: 82

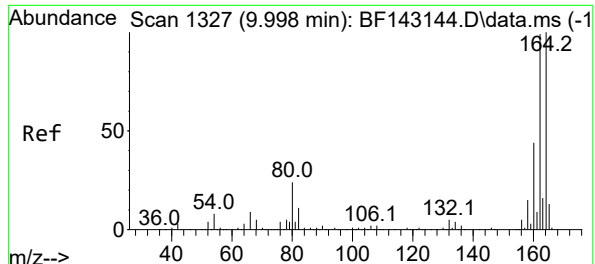
Sig Exp Ratio

82 100

128 42.0

54 58.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

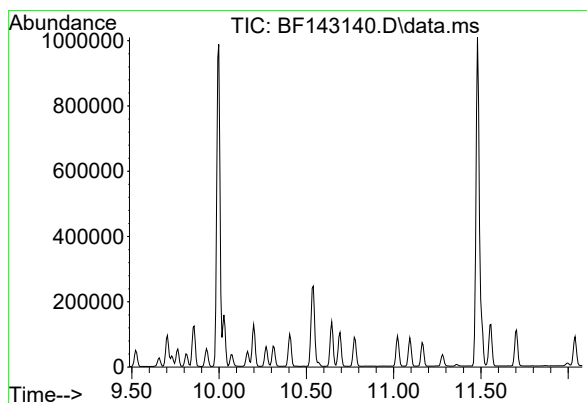
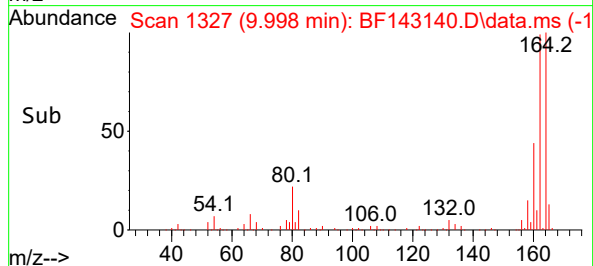
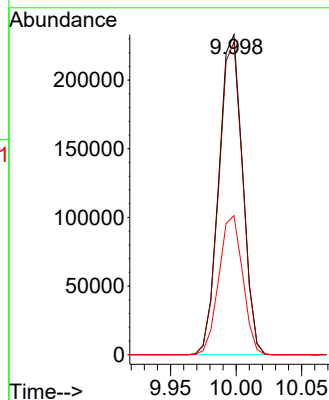
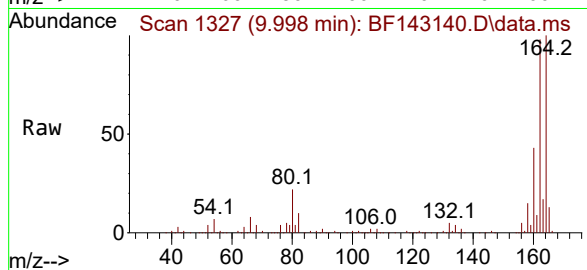
Tgt Ion:164 Resp: 293149

Ion Ratio Lower Upper

164 100

162 97.7 79.0 118.6

160 43.5 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.79 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

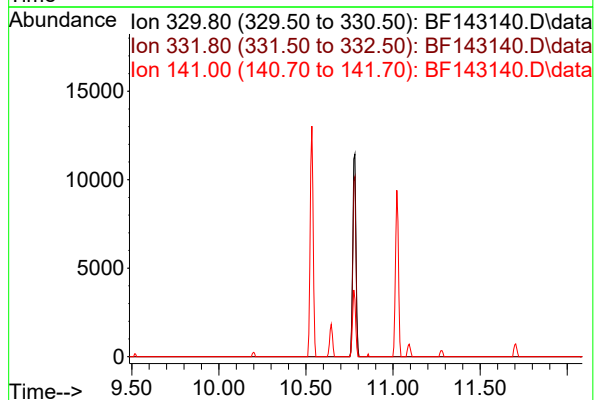
Tgt Ion: 330

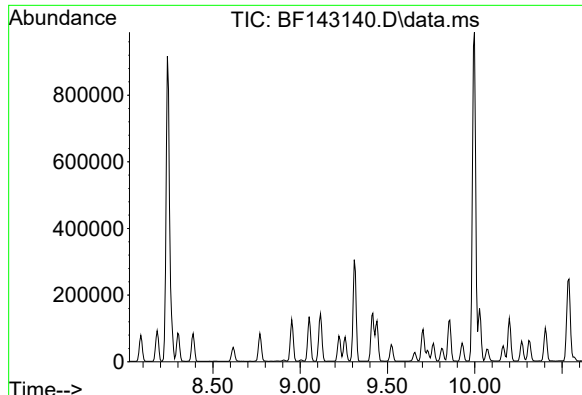
Sig Exp Ratio

330 100

332 95.9

141 29.1





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.32 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

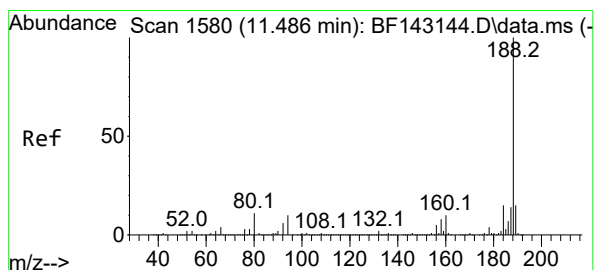
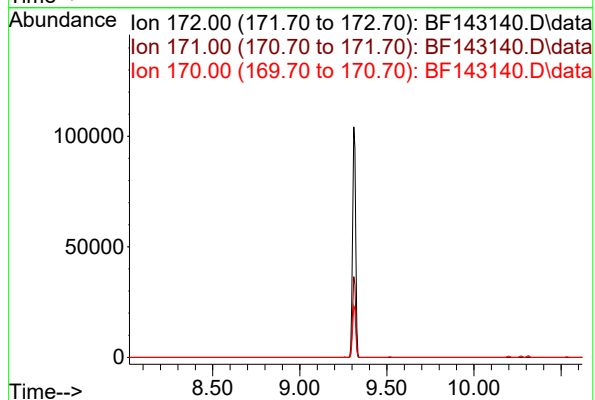
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.7

170 23.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.481 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

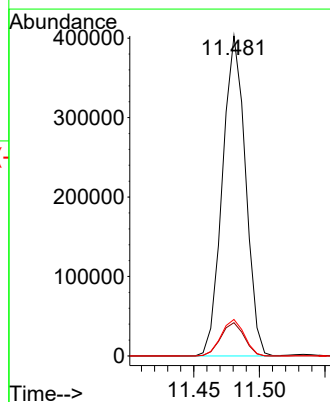
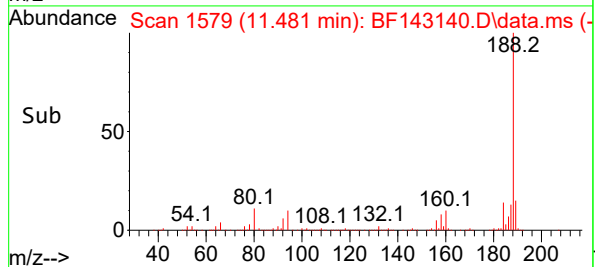
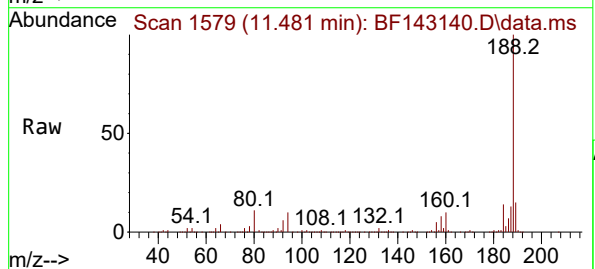
Tgt Ion:188 Resp: 492765

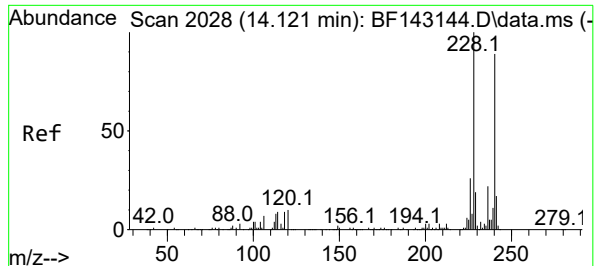
Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

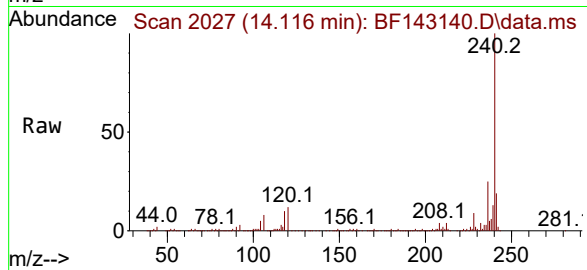
80 11.4 9.0 13.6



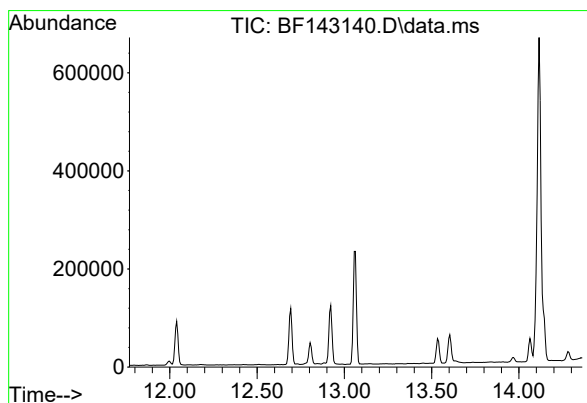
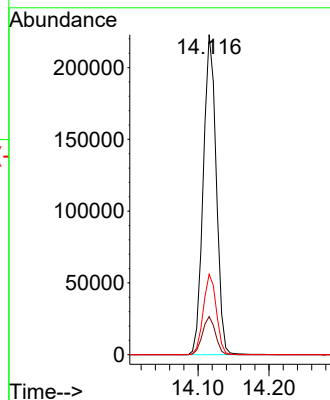
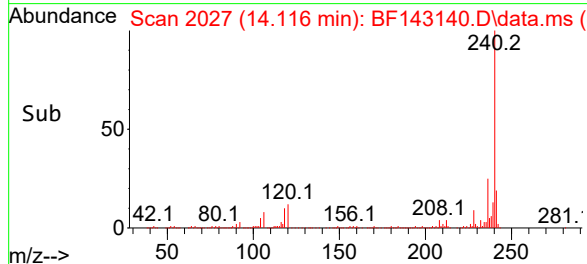


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



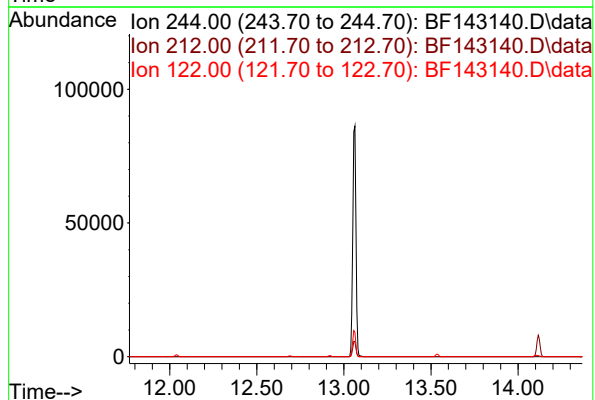
Tgt Ion:240 Resp: 283469
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.1 20.2 30.4



#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.07 min

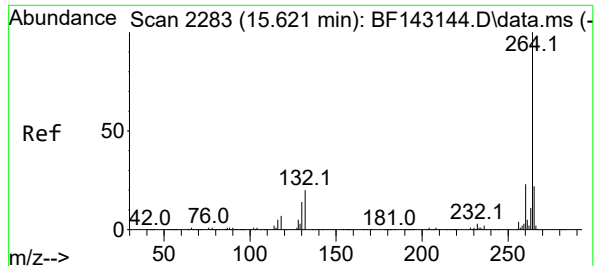
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 244
Sig Exp Ratio
244 100
212 6.5
122 10.2



Ion 212.00 (211.70 to 212.70): BF143140.D\data

Ion 122.00 (121.70 to 122.70): BF143140.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143140.D

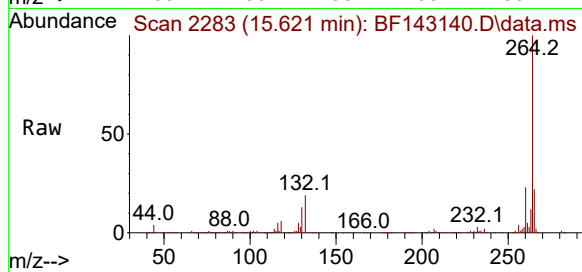
Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



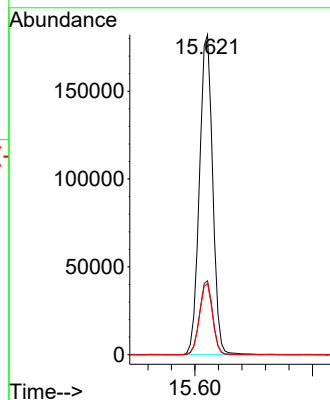
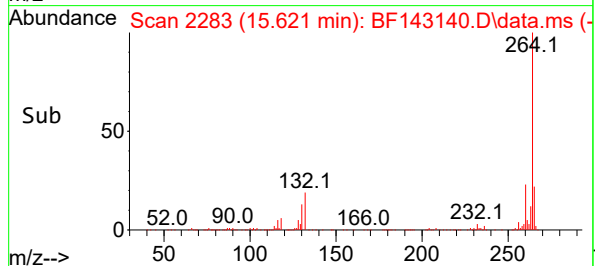
Tgt Ion:264 Resp: 284847

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 22.1 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143141.D
 Acq On : 17 Jul 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:01:07 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jul 17 14:54:43 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	129942	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	504796	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	263409	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	432329	20.000	ng	0.00
76) Chrysene-d12	14.116	240	253004	20.000	ng	0.00
86) Perylene-d12	15.615	264	255898	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	89958	10.955	ng	0.00
7) Phenol-d6	6.569	99	112575	10.892	ng	-0.02
23) Nitrobenzene-d5	7.510	82	102749m	10.146	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	26288	9.661	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	231962	12.043	ng	-0.01
79) Terphenyl-d14	13.063	244	198167	11.656	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.816	88	20208	5.201	ng	97
3) Pyridine	3.587	79	52981	5.254	ng	99
6) Aniline	6.616	93	75811	5.263	ng	99
8) 2-Chlorophenol	6.740	128	45203	5.252	ng	98
10) Phenol	6.581	94	61148	5.431	ng	99
11) bis(2-Chloroethyl)ether	6.687	93	46083	5.345	ng	98
12) 1,3-Dichlorobenzene	6.904	146	51056	5.460	ng	98
13) 1,4-Dichlorobenzene	6.981	146	52031	5.526	ng	100
14) 1,2-Dichlorobenzene	7.134	146	49028	5.474	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	86727	5.423	ng	100
17) 2-Methylphenol	7.192	107	38278	5.289	ng	97
18) Hexachloroethane	7.481	117	16944	5.198	ng	97
19) n-Nitroso-di-n-propyla...	7.357	70	36103	5.445	ng	98
22) Acetophenone	7.357	105	66559	5.569	ng	# 98
24) Nitrobenzene	7.528	77	47902	5.074	ng	96
25) Isophorone	7.769	82	94372	5.279	ng	99
26) 2-Nitrophenol	7.851	139	16827	4.107	ng	98
27) 2,4-Dimethylphenol	7.881	122	44954	5.382	ng	100
28) bis(2-Chloroethoxy)met...	7.981	93	58465	5.455	ng	99
29) 2,4-Dichlorophenol	8.087	162	36884	5.236	ng	97
30) 1,2,4-Trichlorobenzene	8.181	180	41552	5.460	ng	99
31) Naphthalene	8.263	128	141099	5.676	ng	99
33) 4-Chloroaniline	8.304	127	55130	5.431	ng	98
34) Hexachlorobutadiene	8.386	225	24322	5.232	ng	100
36) 4-Chloro-3-methylphenol	8.769	107	40203	5.251	ng	98
37) 2-Methylnaphthalene	8.951	142	84234	5.568	ng	98
38) 1-Methylnaphthalene	9.051	142	86130	5.529	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	41999	5.523	ng	100
43) 2,4,6-Trichlorophenol	9.222	196	25730	4.889	ng	100
44) 2,4,5-Trichlorophenol	9.257	196	26626	5.057	ng	98
46) 1,1'-Biphenyl	9.416	154	115130	5.602	ng	100
47) 2-Chloronaphthalene	9.439	162	83495	5.491	ng	98
48) 2-Nitroaniline	9.522	65	20076	4.210	ng	95
49) Acenaphthylene	9.857	152	140525	5.514	ng	98
50) Dimethylphthalate	9.704	163	93611	5.452	ng	99
51) 2,6-Dinitrotoluene	9.763	165	14787	4.234	ng	90

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143141.D
 Acq On : 17 Jul 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:01:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

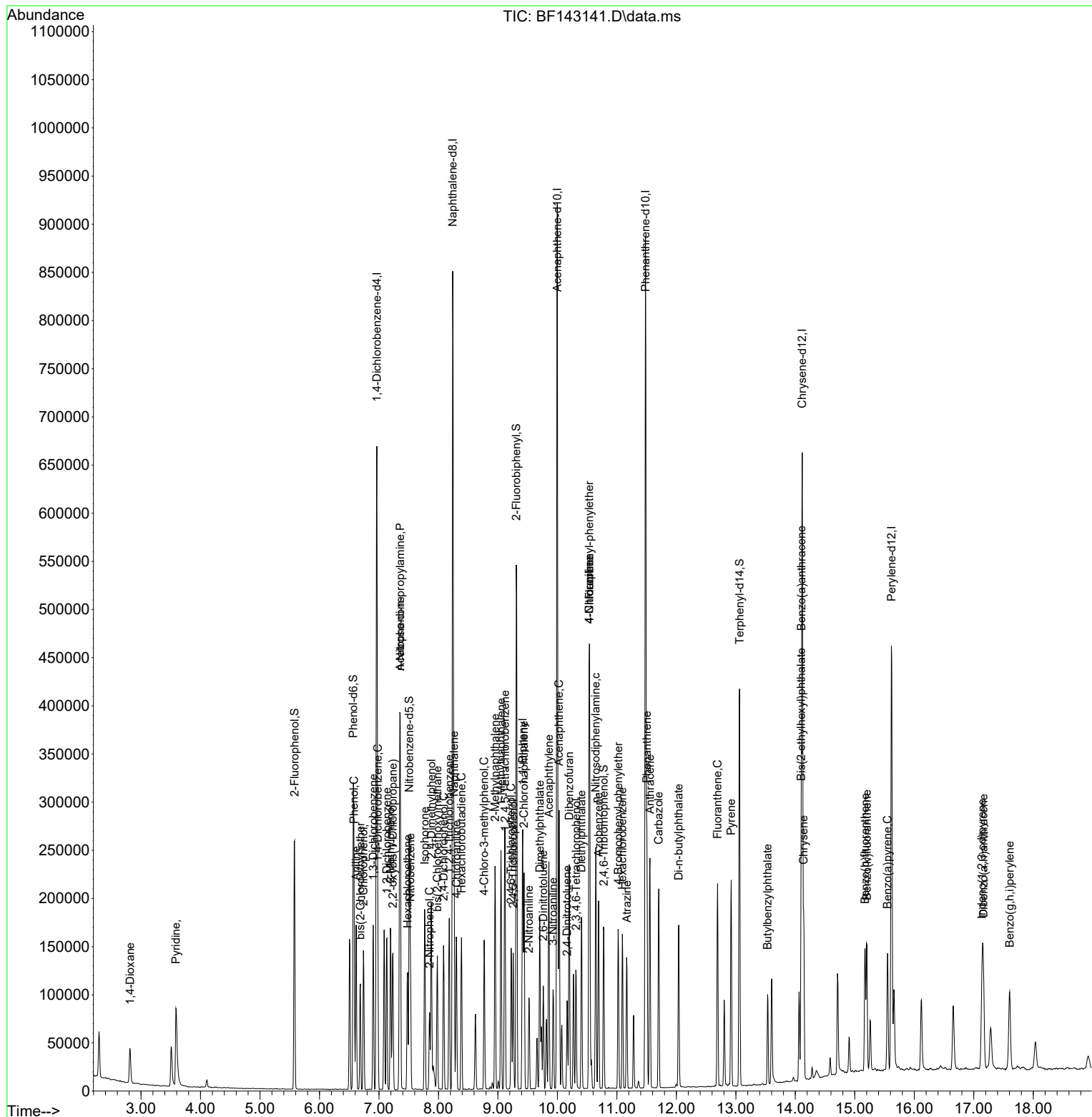
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	10.028	154	84160	5.588	ng	99
53) 3-Nitroaniline	9.928	138	18738	4.587	ng	94
55) Dibenzofuran	10.198	168	127035	5.681	ng	97
57) 2,4-Dinitrotoluene	10.163	165	17709	4.041	ng	92
58) Fluorene	10.539	166	97477	5.808	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	21108	4.840	ng	# 97
60) Diethylphthalate	10.404	149	90651	5.342	ng	99
61) 4-Chlorophenyl-phenyle...	10.533	204	46747	5.594	ng	98
62) 4-Nitroaniline	10.533	138	15568	4.446	ng	96
63) Azobenzene	10.692	77	95602	5.405	ng	99
66) n-Nitrosodiphenylamine	10.645	169	82281	5.405	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	27259	5.291	ng	97
68) Hexachlorobenzene	11.092	284	29052	5.395	ng	98
69) Atrazine	11.169	200	19865	4.733	ng	99
71) Phenanthrene	11.504	178	128762	5.609	ng	100
72) Anthracene	11.557	178	127938	5.465	ng	98
73) Carbazole	11.704	167	112588	5.507	ng	99
74) Di-n-butylphthalate	12.039	149	116291	5.027	ng	99
75) Fluoranthene	12.692	202	117249	5.565	ng	99
78) Pyrene	12.922	202	120767	5.593	ng	98
80) Butylbenzylphthalate	13.533	149	27699	4.189	ng	97
81) Benzo(a)anthracene	14.104	228	86920	5.131	ng	98
83) Chrysene	14.139	228	81091	5.325	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	43732	4.370	ng	99
87) Indeno(1,2,3-cd)pyrene	17.139	276	91076	5.047	ng	100
88) Benzo(b)fluoranthene	15.174	252	78749	5.037	ng	99
89) Benzo(k)fluoranthene	15.204	252	74738	5.358	ng	98
90) Benzo(a)pyrene	15.551	252	72196	5.012	ng	98
91) Dibenzo(a,h)anthracene	17.162	278	74120	5.047	ng	100
92) Benzo(g,h,i)perylene	17.604	276	70403	4.955	ng	99

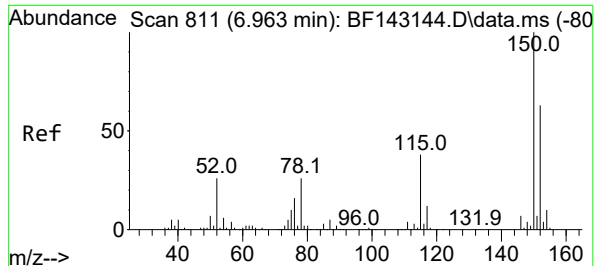
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

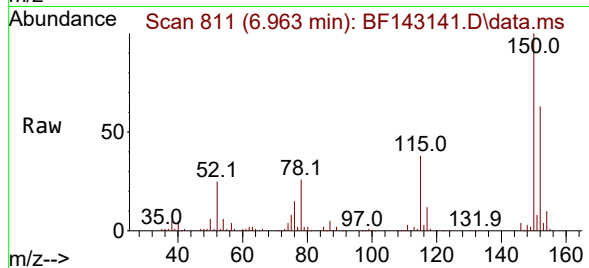
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jaagrut Upadhyay 07/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

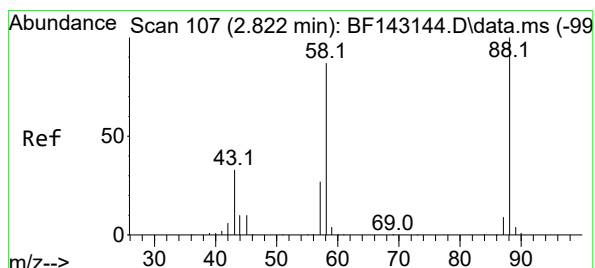
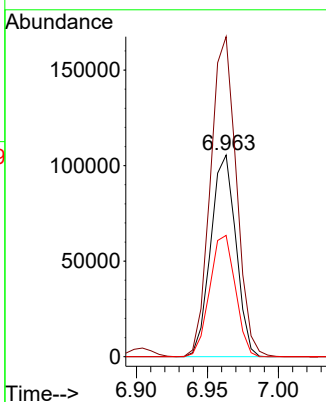
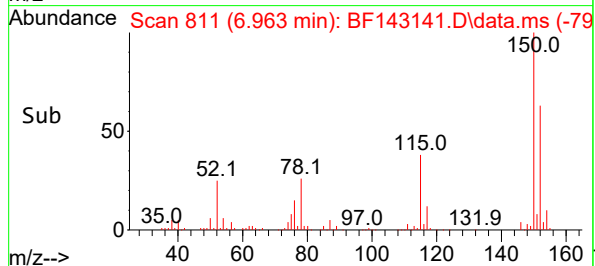
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:152 Resp: 12994
Ion Ratio Lower Upper
152 100
150 158.7 128.2 192.4
115 60.2 47.9 71.9

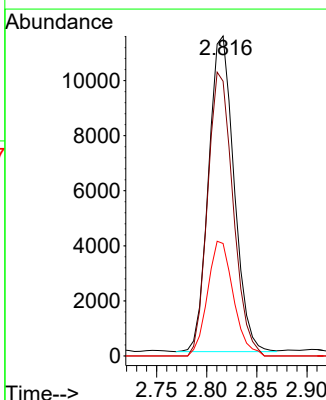
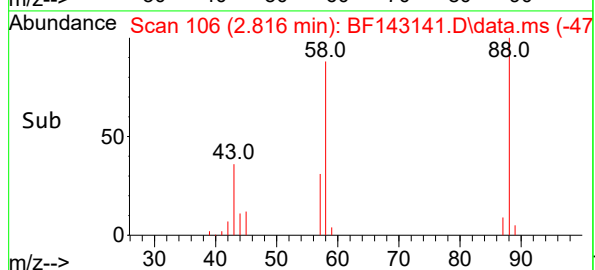
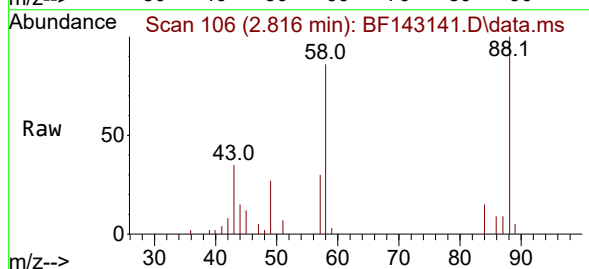
Manual Integrations
APPROVED

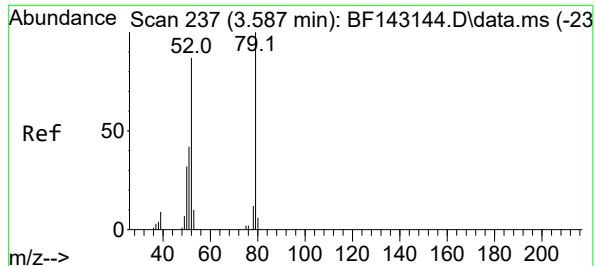
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 5.201 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 88 Resp: 20208
Ion Ratio Lower Upper
88 100
58 89.6 70.2 105.2
43 36.7 27.1 40.7





#3

Pyridine

Concen: 5.254 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 79 Resp: 5298

Ion Ratio Lower Upper

79 100

52 86.1 69.4 104.2

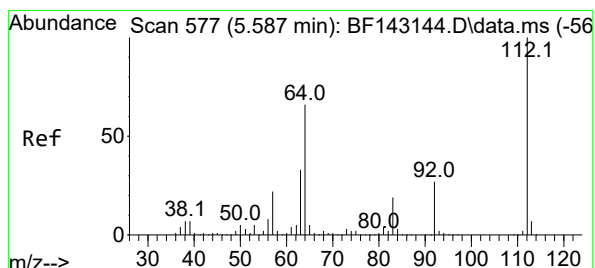
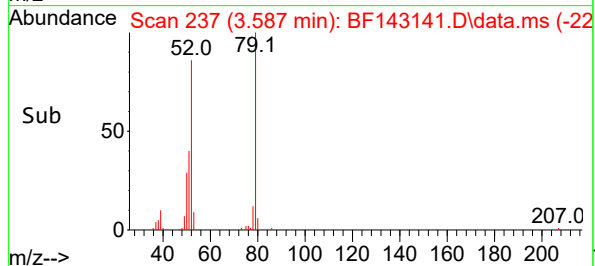
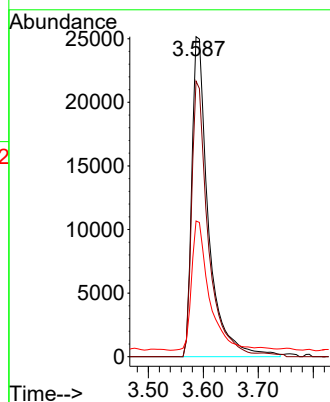
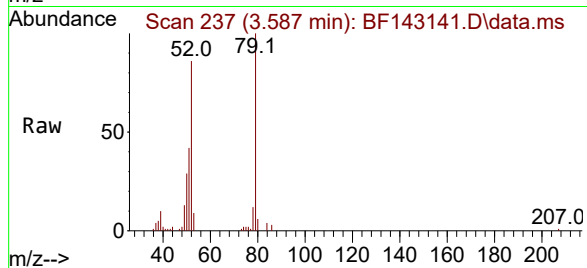
51 42.4 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#5

2-Fluorophenol

Concen: 10.955 ng

RT: 5.581 min Scan# 576

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

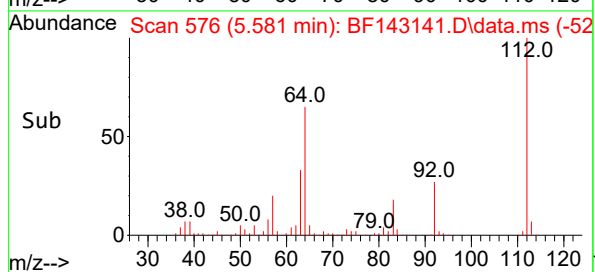
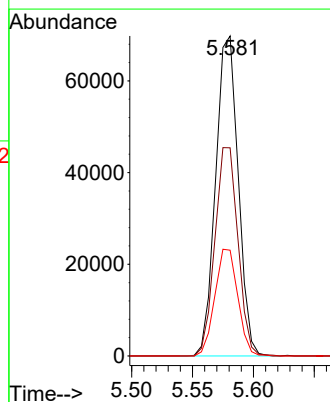
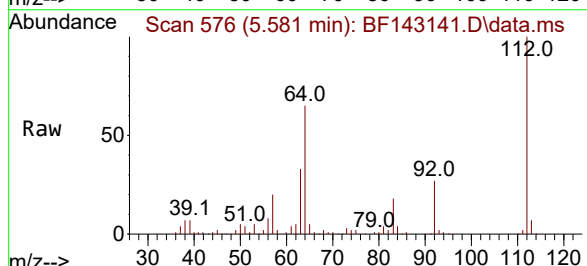
Tgt Ion:112 Resp: 89958

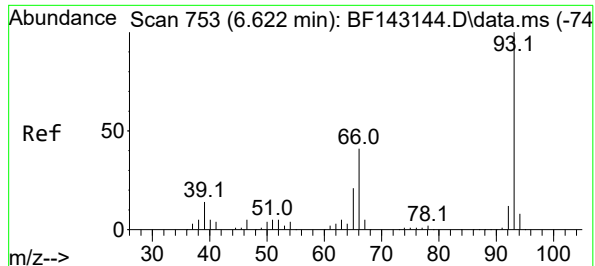
Ion Ratio Lower Upper

112 100

64 65.1 53.1 79.7

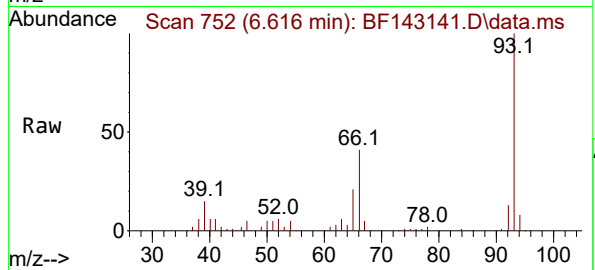
63 33.1 26.6 40.0





#6
Aniline
Concen: 5.263 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

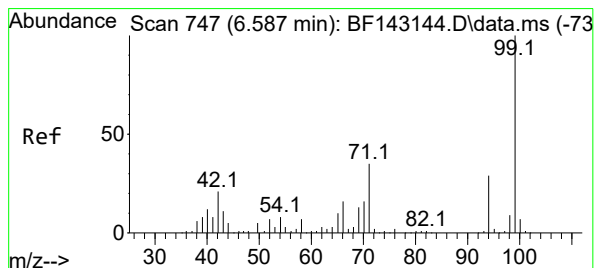
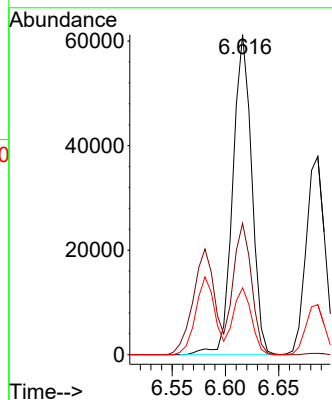
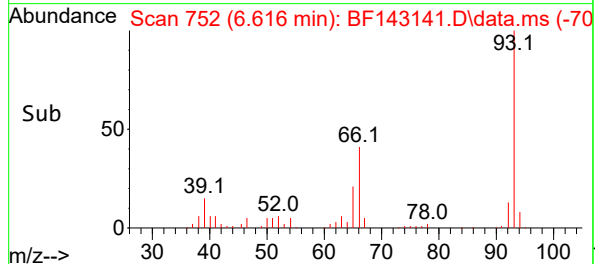
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion: 93 Resp: 7581
Ion Ratio Lower Upper
93 100
66 41.0 33.2 49.8
65 20.9 16.9 25.3

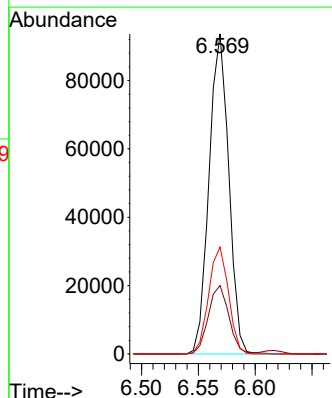
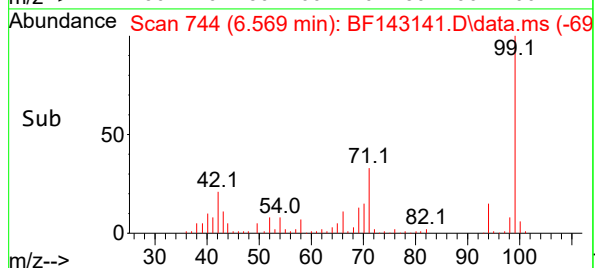
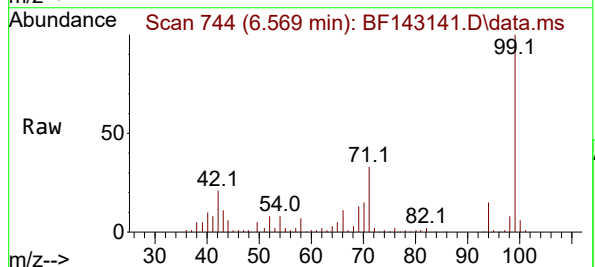
Manual Integrations
APPROVED

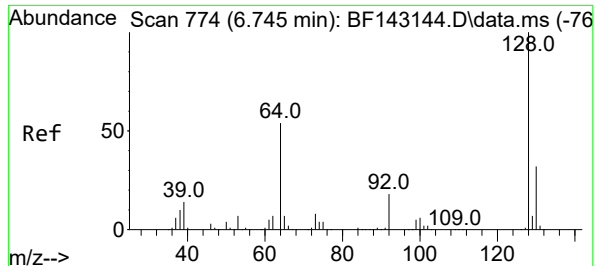
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#7
Phenol-d6
Concen: 10.892 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

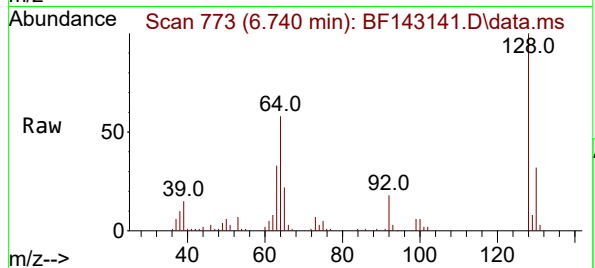
Tgt Ion: 99 Resp: 112575
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 33.4 27.7 41.5





#8
2-Chlorophenol
Concen: 5.252 ng
RT: 6.740 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

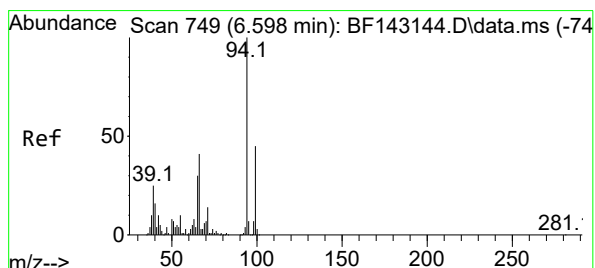
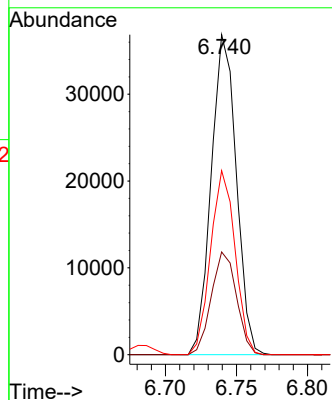
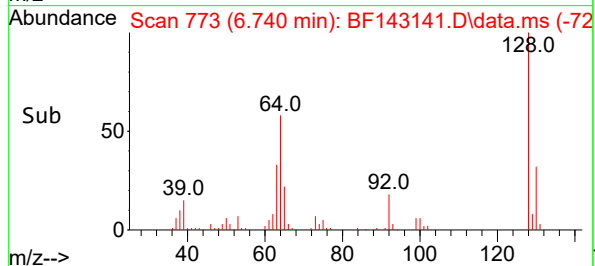
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:128 Resp: 4520
Ion Ratio Lower Upper
128 100
130 32.1 12.3 52.3
64 57.5 35.9 75.9

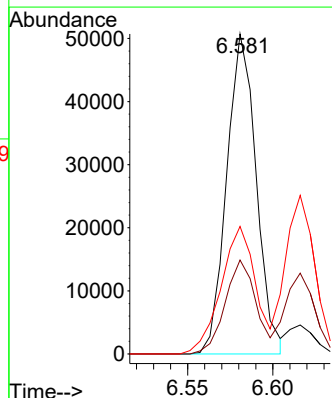
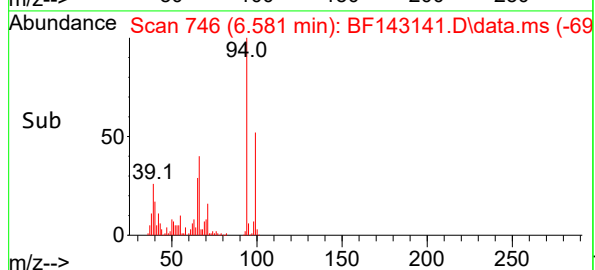
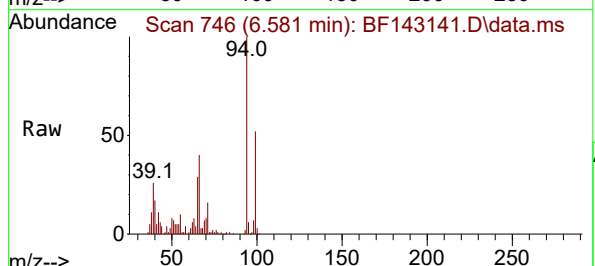
Manual Integrations
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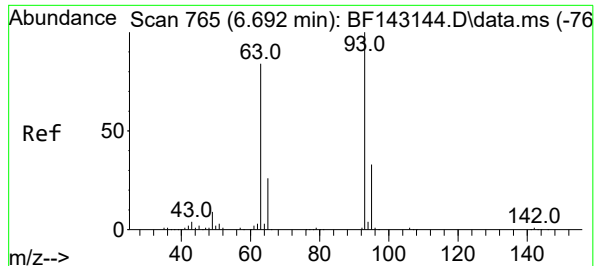
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#10
Phenol
Concen: 5.431 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 94 Resp: 61148
Ion Ratio Lower Upper
94 100
65 29.4 10.0 50.0
66 39.8 20.8 60.8





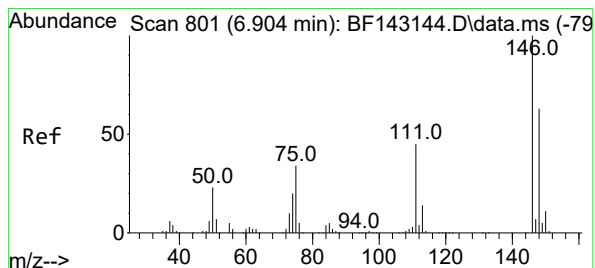
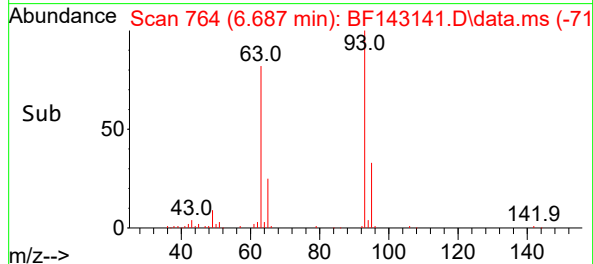
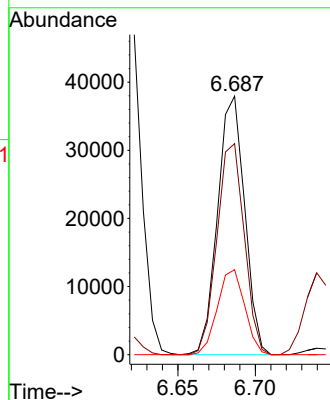
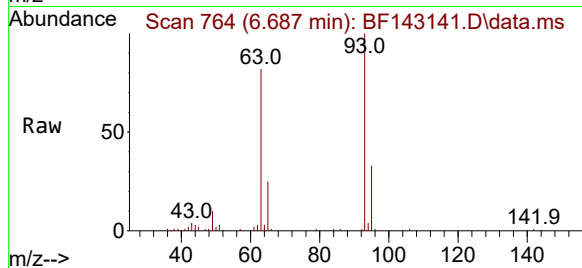
#11
bis(2-Chloroethyl)ether
Concen: 5.345 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 4608
Ion Ratio Lower Upper
93 100
63 81.6 63.4 103.4
95 32.9 12.4 52.4

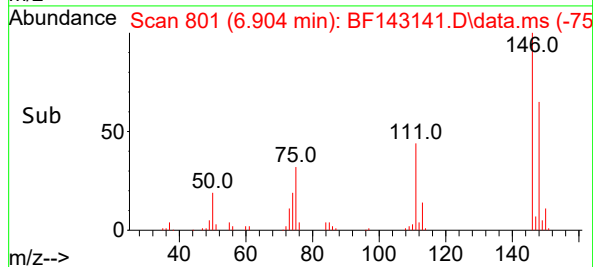
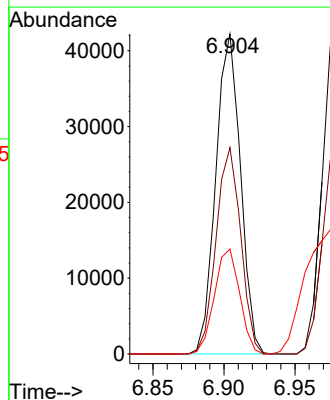
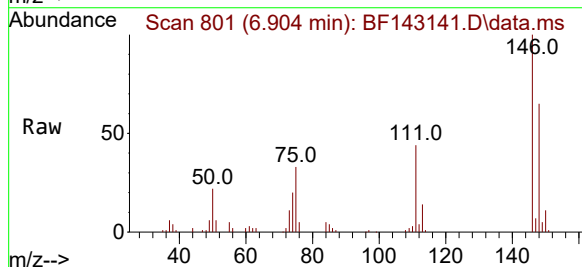
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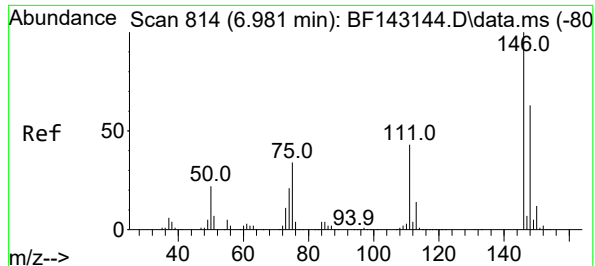
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 5.460 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:146 Resp: 51056
Ion Ratio Lower Upper
146 100
148 64.5 50.6 76.0
75 32.8 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 5.526 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:146 Resp: 5203

Ion Ratio Lower Upper

146 100

148 63.0 50.3 75.5

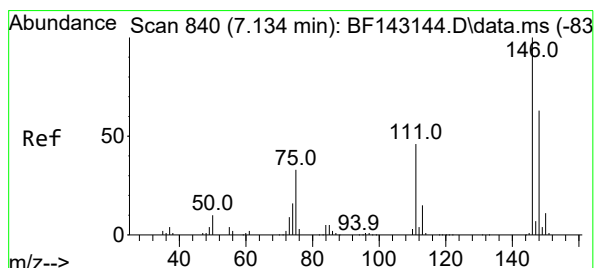
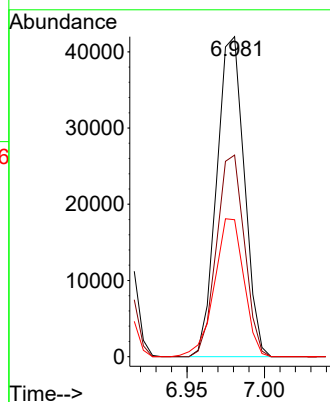
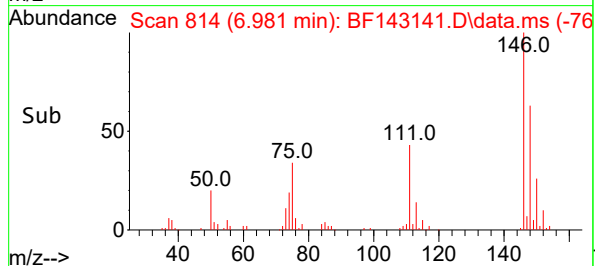
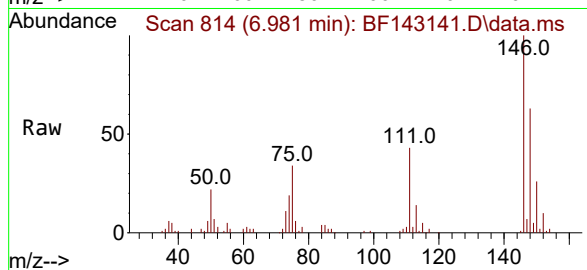
111 42.8 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 5.474 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

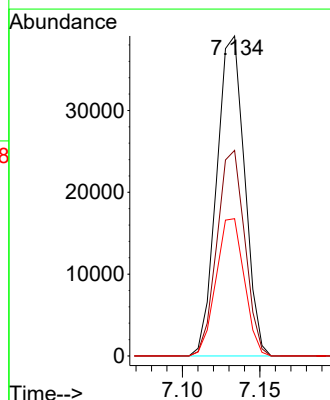
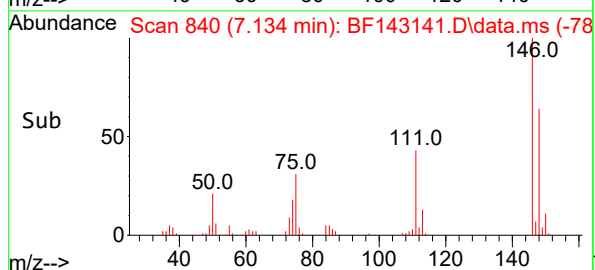
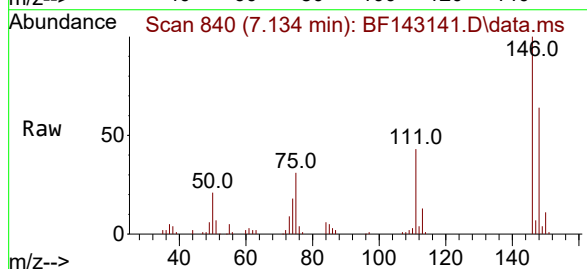
Tgt Ion:146 Resp: 49028

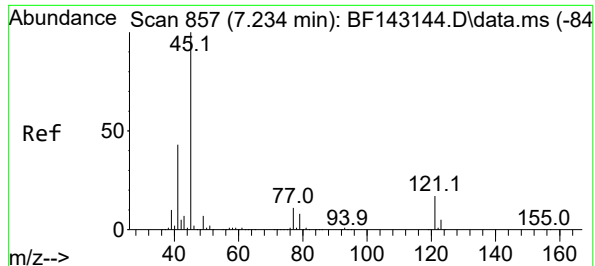
Ion Ratio Lower Upper

146 100

148 64.2 50.7 76.1

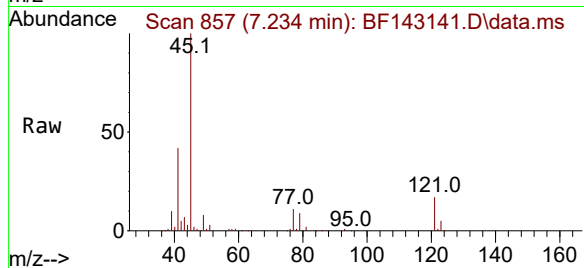
111 42.9 36.6 54.8





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.423 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

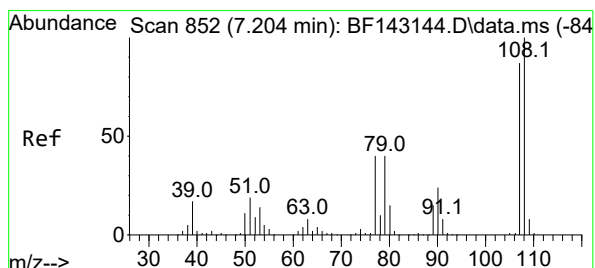
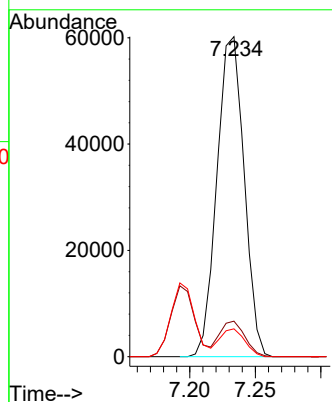
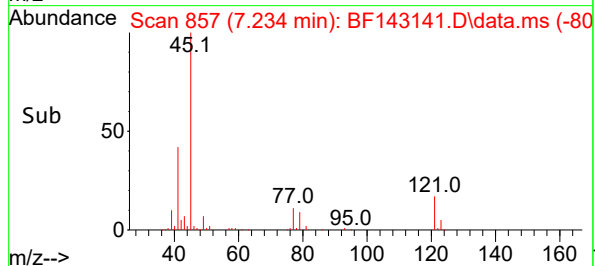
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



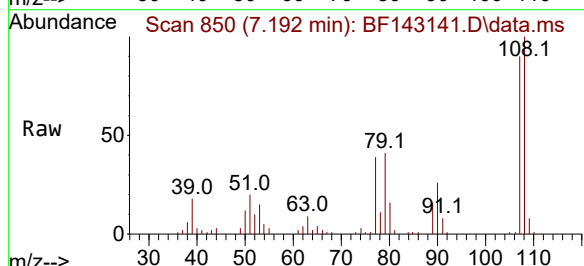
Tgt Ion: 45 Resp: 8672
Ion Ratio Lower Upper
45 100
77 11.1 0.0 31.2
79 8.7 0.0 28.5

Manual Integrations
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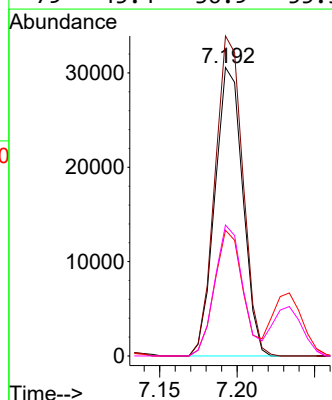
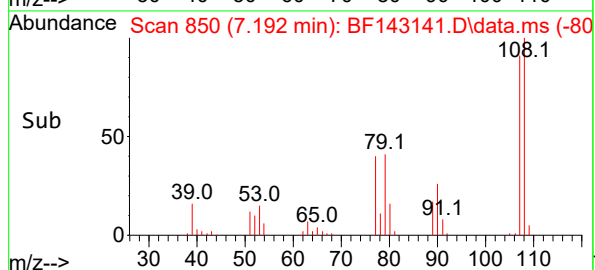
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

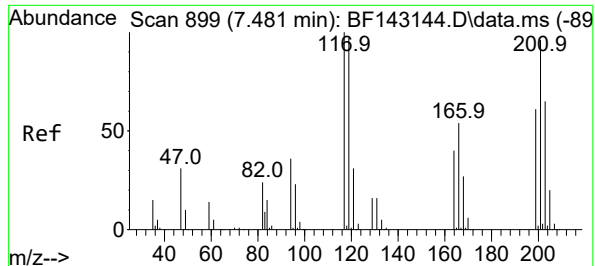


#17
2-Methylphenol
Concen: 5.289 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34



Tgt Ion:107 Resp: 38278
Ion Ratio Lower Upper
107 100
108 110.9 91.8 137.6
77 43.6 37.0 55.6
79 45.4 36.9 55.3





#18

Hexachloroethane

Concen: 5.198 ng

RT: 7.481 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:117 Resp: 1694

Ion Ratio Lower Upper

117 100

119 99.4 77.8 116.8

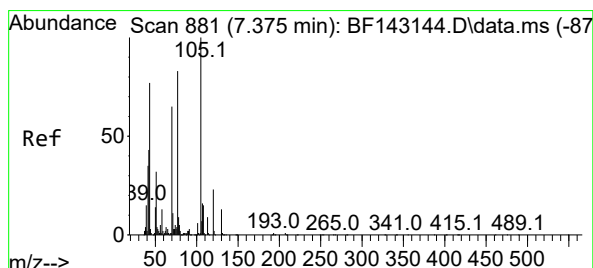
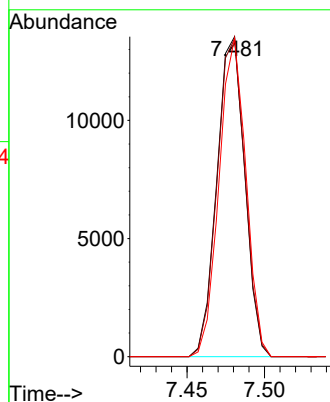
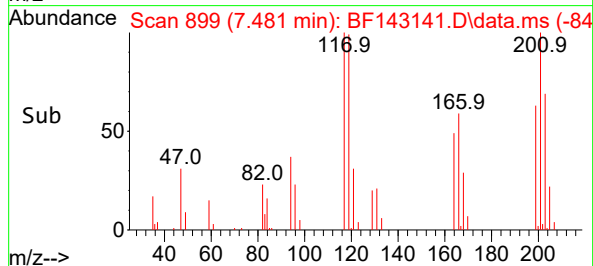
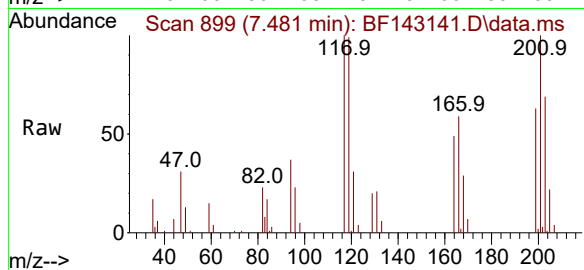
201 99.6 77.0 115.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#19

n-Nitroso-di-n-propylamine

Concen: 5.445 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.018 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion: 70 Resp: 36103

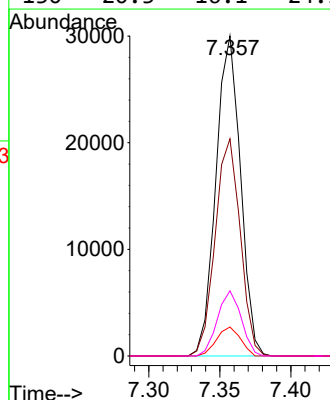
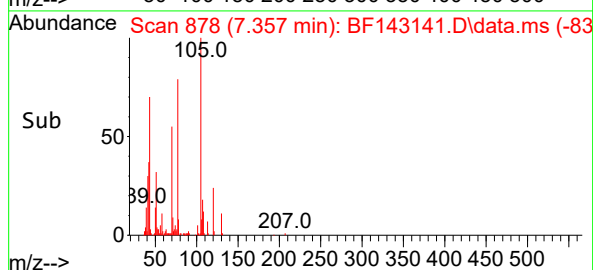
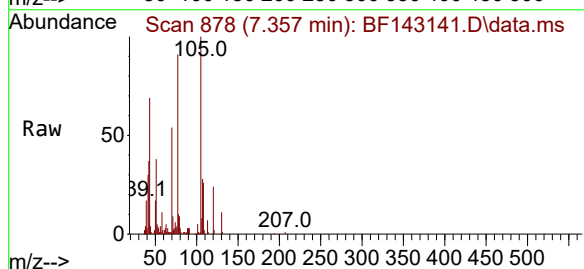
Ion Ratio Lower Upper

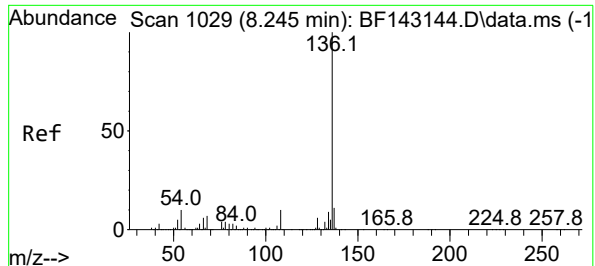
70 100

42 67.8 52.5 78.7

101 9.0 7.6 11.4

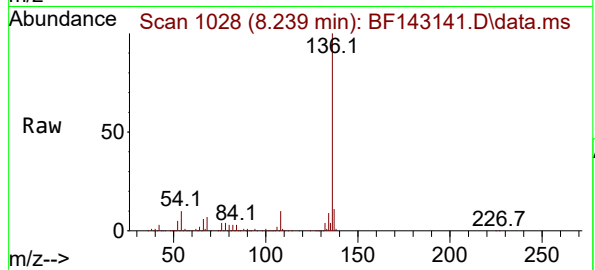
130 20.3 16.1 24.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

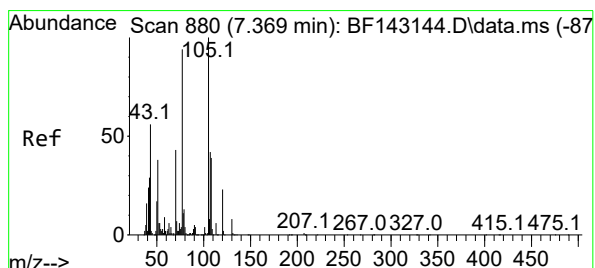
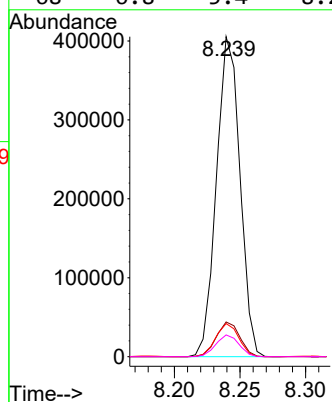
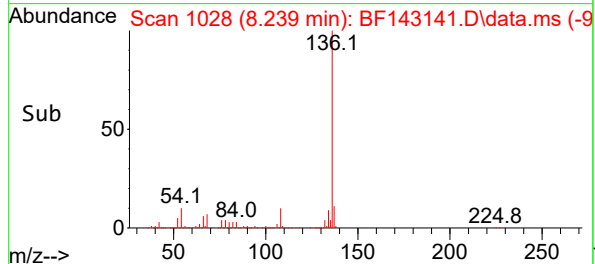
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:136 Resp: 504790
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.3 8.2 12.2
68 6.8 5.4 8.2

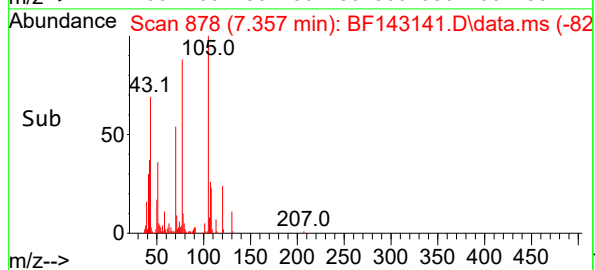
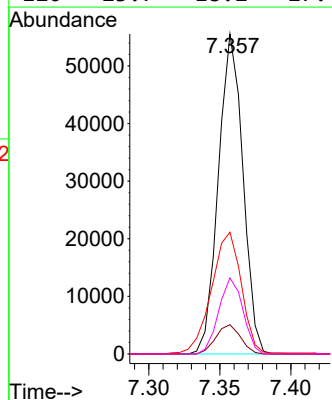
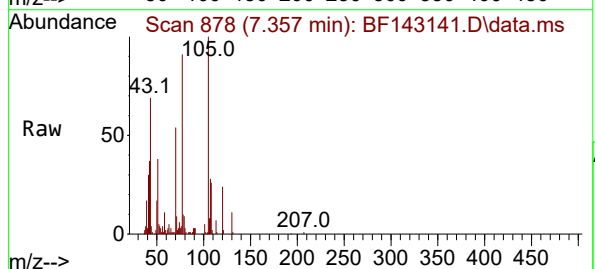
Manual Integrations
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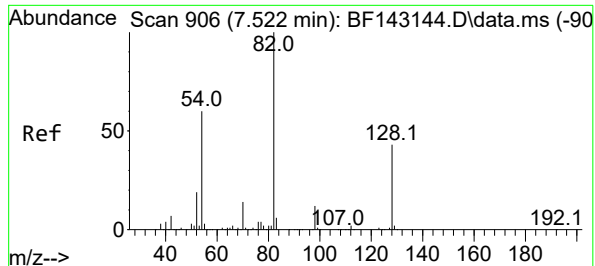
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 5.569 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:105 Resp: 66559
Ion Ratio Lower Upper
105 100
71 9.1 5.8 8.6#
51 38.1 30.2 45.2
120 23.7 18.2 27.4





#23

Nitrobenzene-d5

Concen: 10.146 ng m

RT: 7.510 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 82 Resp: 102749

Ion Ratio Lower Upper

82 100

128 39.1 33.6 50.4

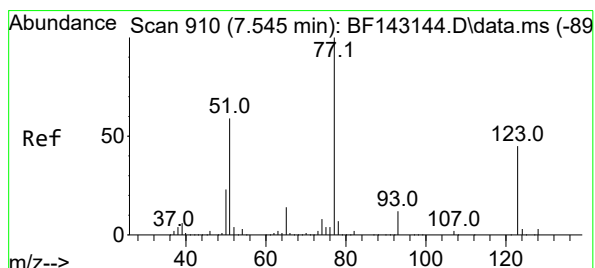
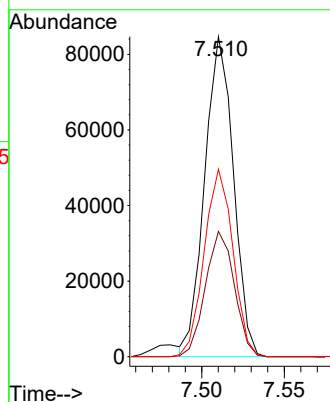
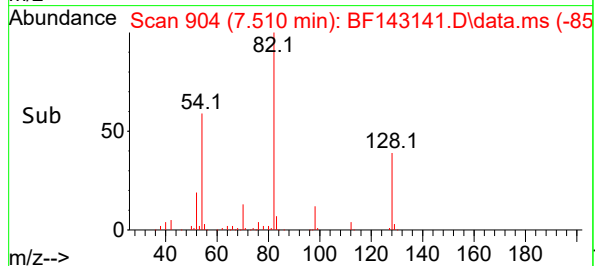
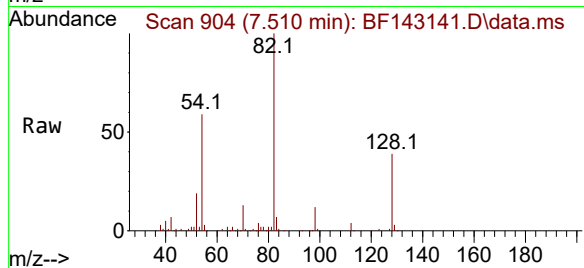
54 58.6 47.1 70.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 5.074 ng

RT: 7.528 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

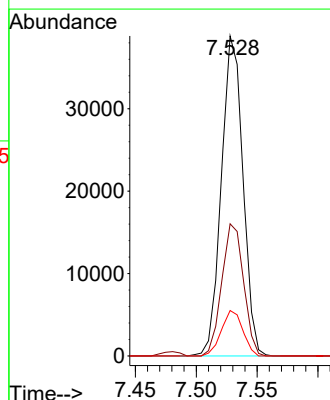
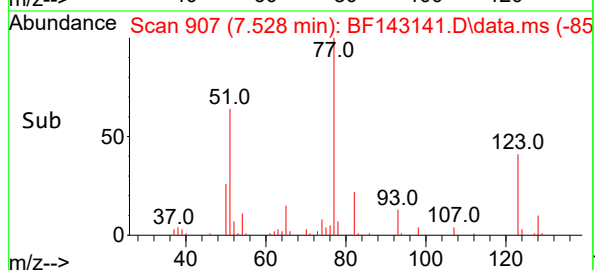
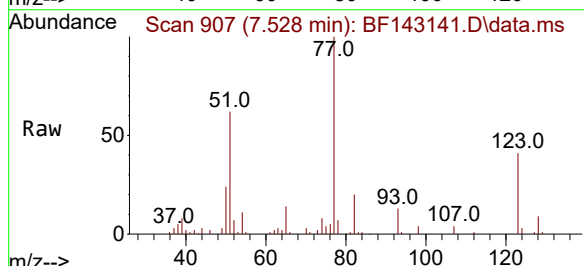
Tgt Ion: 77 Resp: 47902

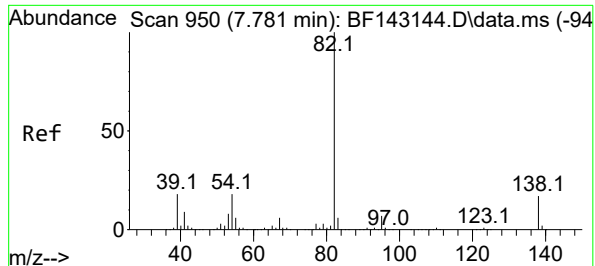
Ion Ratio Lower Upper

77 100

123 41.3 36.1 54.1

65 14.2 11.4 17.2





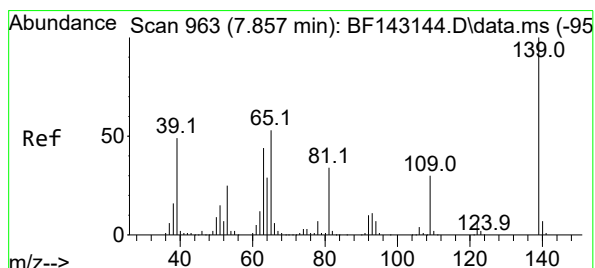
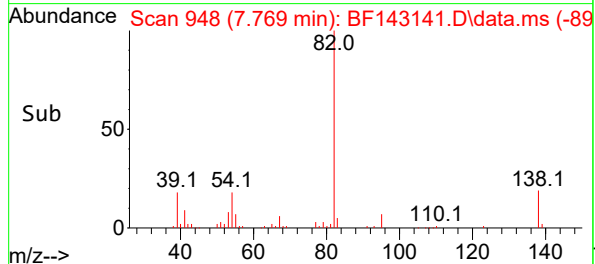
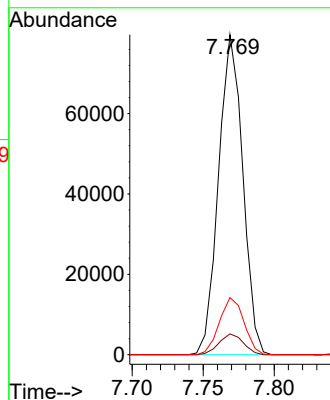
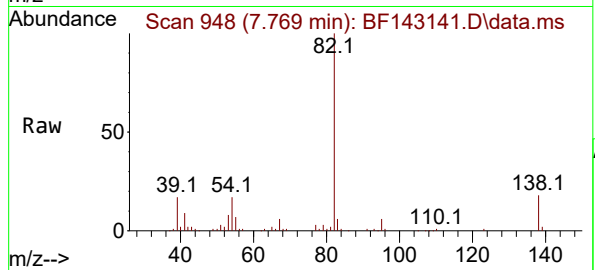
#25
Isophorone
Concen: 5.279 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 94372
Ion Ratio Lower Upper
82 100
95 6.5 5.5 8.3
138 17.8 13.8 20.8

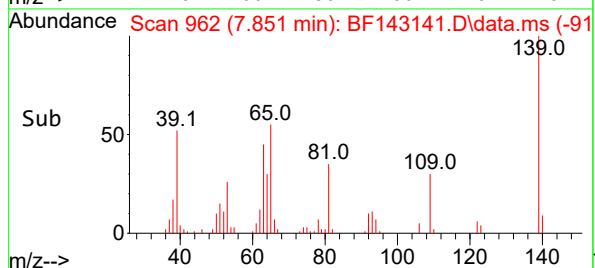
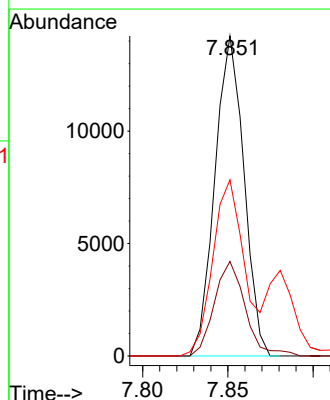
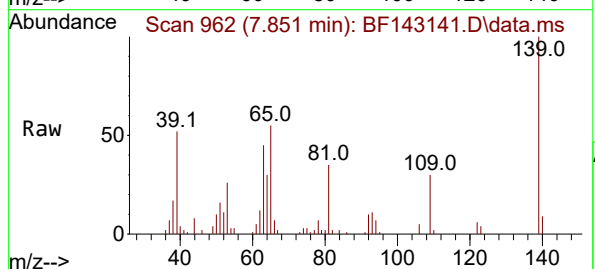
Manual Integrations
APPROVED

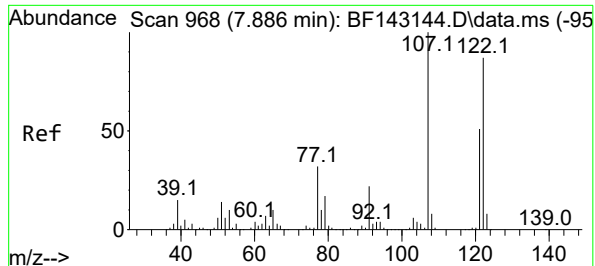
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 4.107 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:139 Resp: 16827
Ion Ratio Lower Upper
139 100
109 29.5 23.6 35.4
65 55.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 5.382 ng

RT: 7.881 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

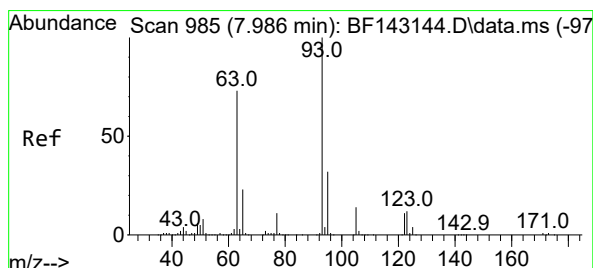
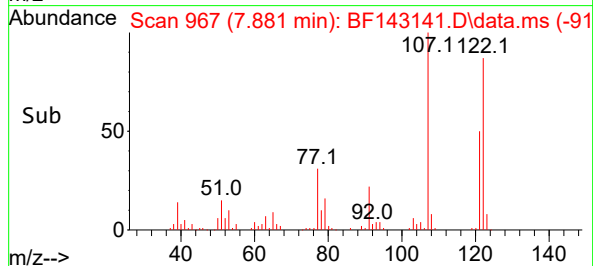
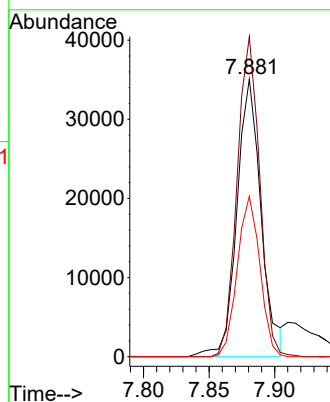
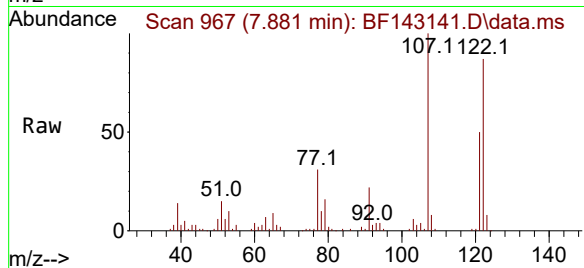
Tgt Ion:	122	Resp:	44954
Ion	Ratio	Lower	Upper
122	100		
107	115.3	91.8	137.6
121	57.8	46.3	69.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 5.455 ng

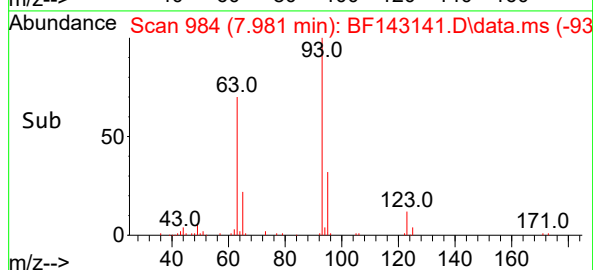
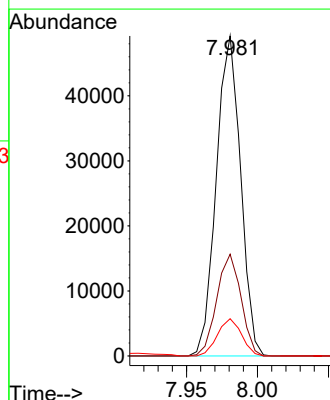
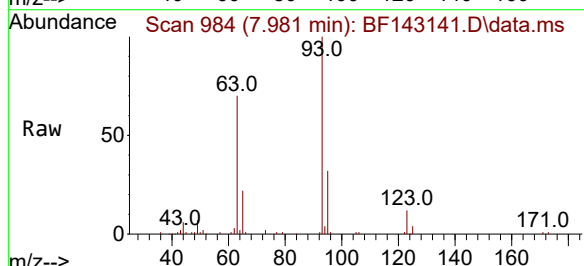
RT: 7.981 min Scan# 984

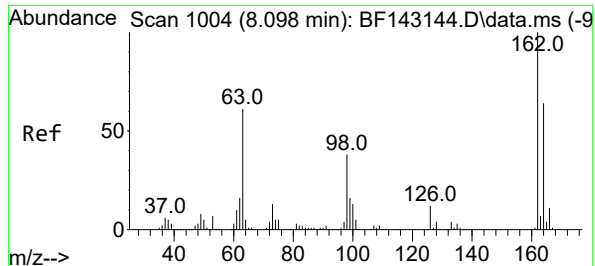
Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion:	93	Resp:	58465
Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.8	38.6
123	11.7	9.7	14.5





#29

2,4-Dichlorophenol

Concen: 5.236 ng

RT: 8.087 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

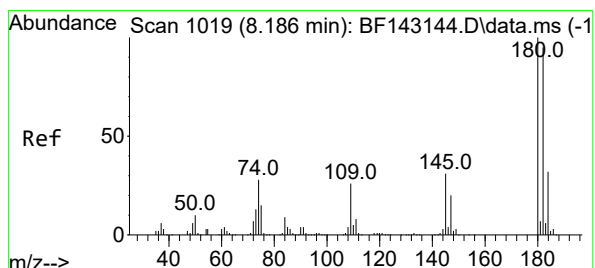
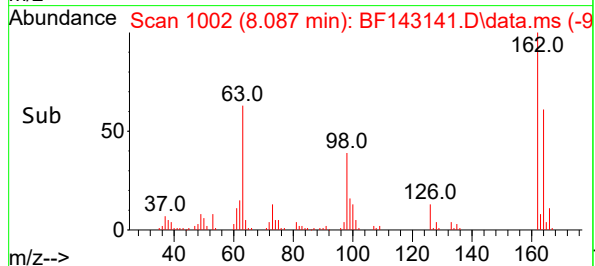
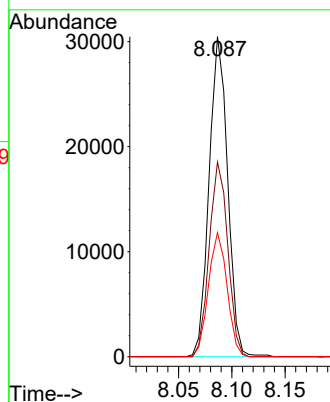
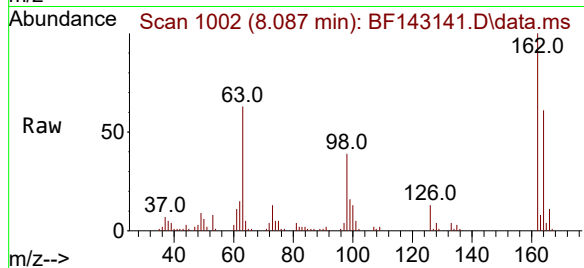
Tgt Ion:162 Resp: 36884
Ion Ratio Lower Upper
162 100
164 60.8 44.2 84.2
98 38.7 17.9 57.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 5.460 ng

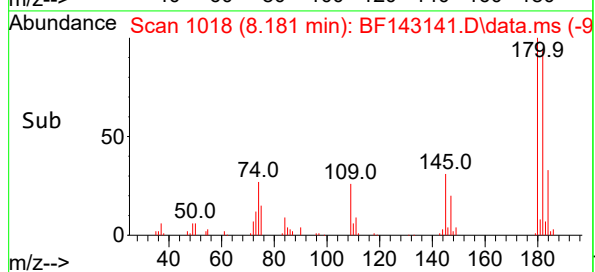
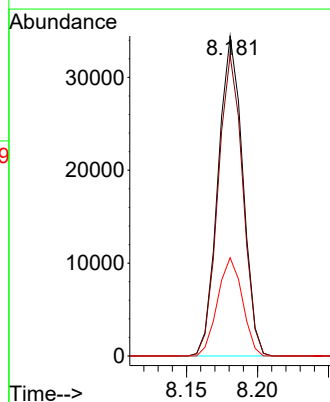
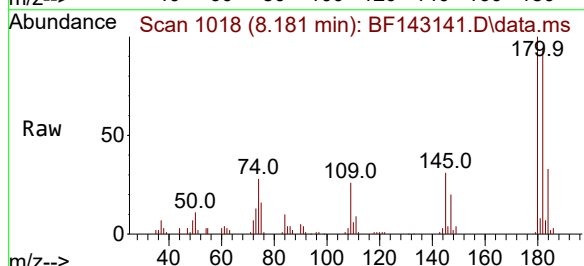
RT: 8.181 min Scan# 1018

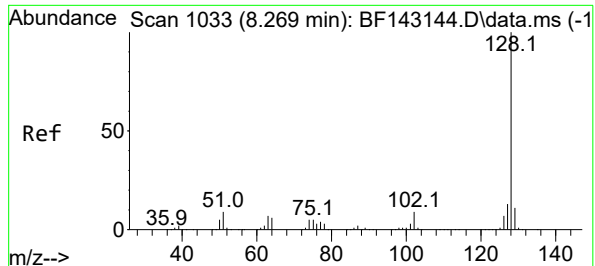
Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

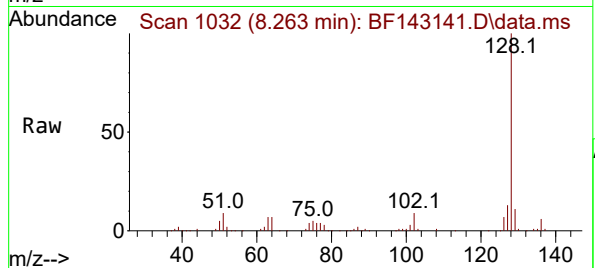
Tgt Ion:180 Resp: 41552
Ion Ratio Lower Upper
180 100
182 94.0 76.2 114.2
145 30.7 25.0 37.6





#31
Naphthalene
Concen: 5.676 ng
RT: 8.263 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

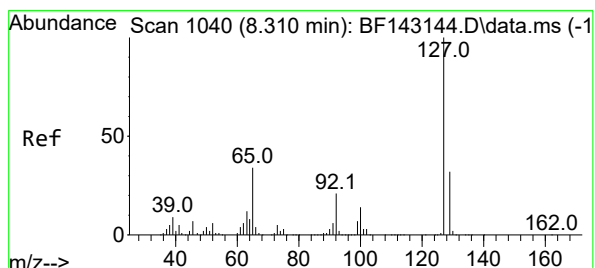
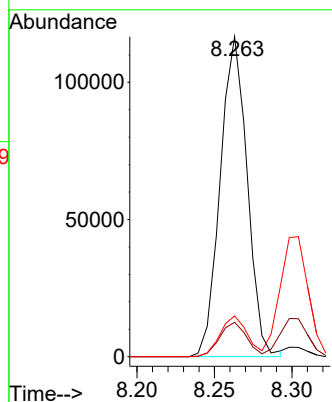
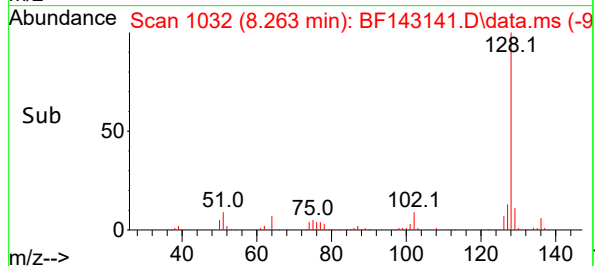
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:128 Resp: 141099
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.7 10.6 16.0

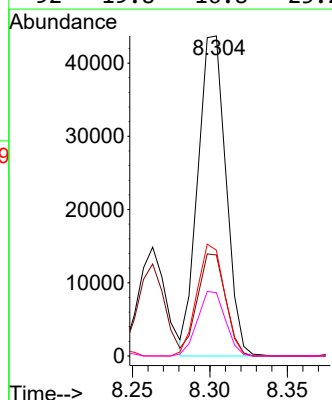
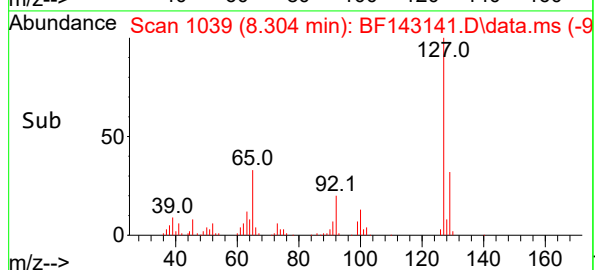
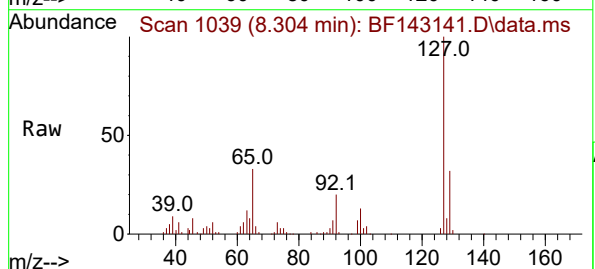
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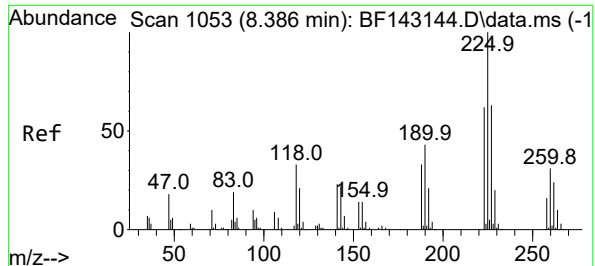
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#33
4-Chloroaniline
Concen: 5.431 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:127 Resp: 55130
Ion Ratio Lower Upper
127 100
129 31.6 26.0 39.0
65 33.0 27.4 41.2
92 19.8 16.8 25.2





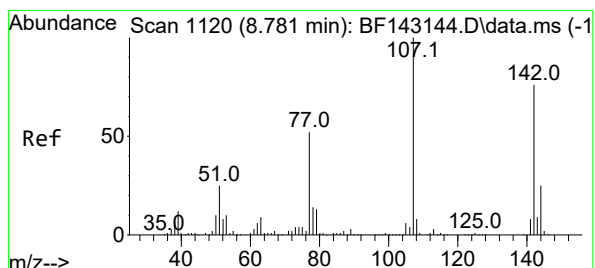
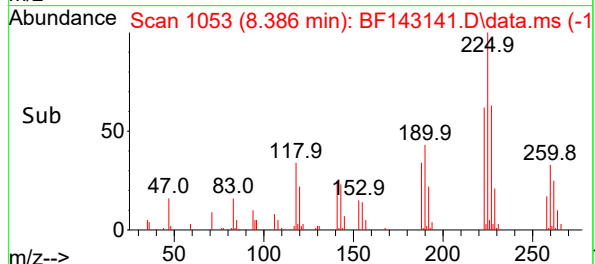
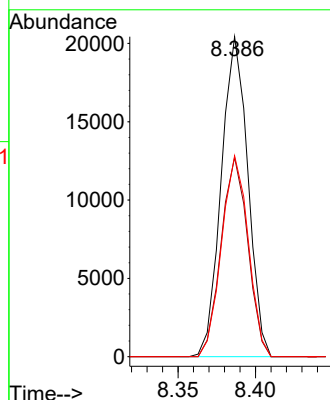
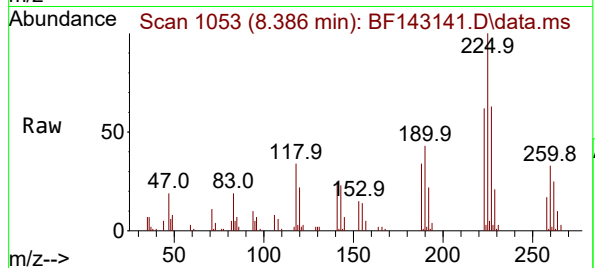
#34
Hexachlorobutadiene
Concen: 5.232 ng
RT: 8.386 min Scan# 1118
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 2432
Ion Ratio Lower Upper
225 100
223 62.3 49.8 74.6
227 62.8 50.2 75.4

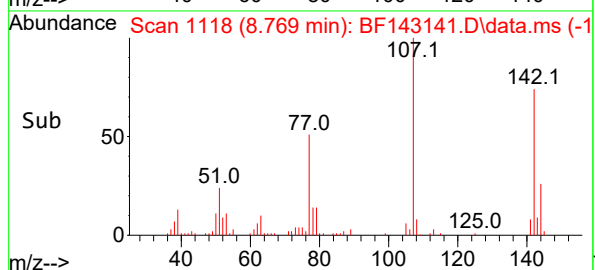
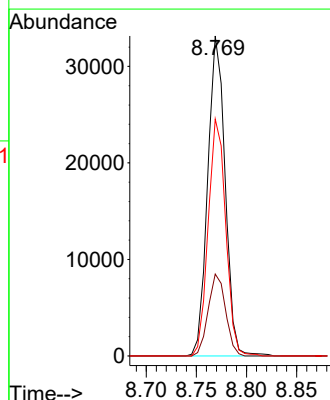
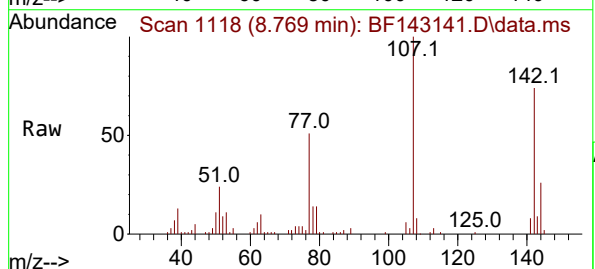
Manual Integrations
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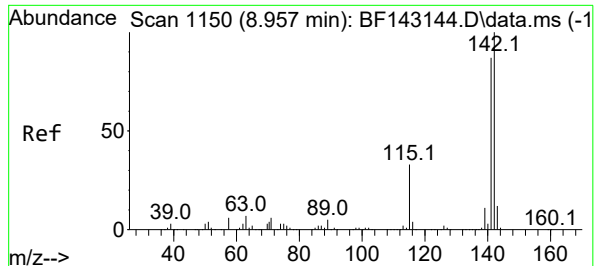
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 5.251 ng
RT: 8.769 min Scan# 1118
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

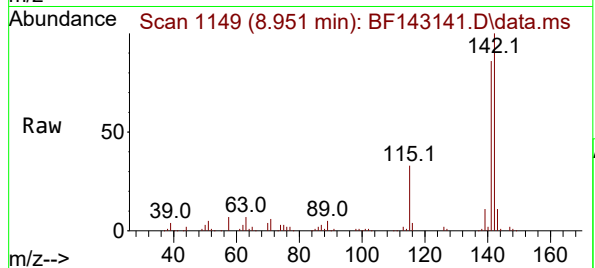
Tgt Ion:107 Resp: 40203
Ion Ratio Lower Upper
107 100
144 25.6 19.8 29.6
142 74.1 60.6 90.8





#37
2-Methylnaphthalene
Concen: 5.568 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

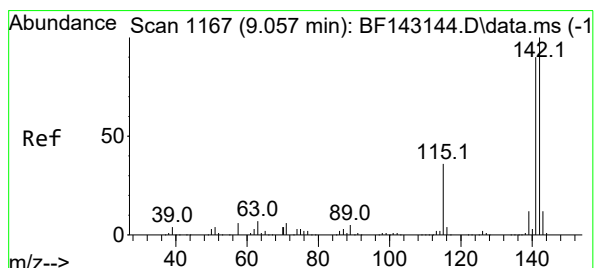
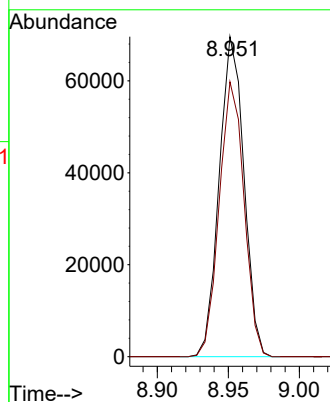
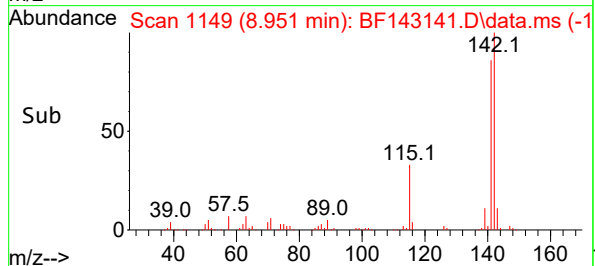
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:142 Resp: 84234
Ion Ratio Lower Upper
142 100
141 85.9 69.9 104.9

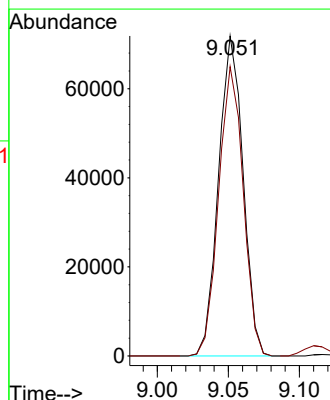
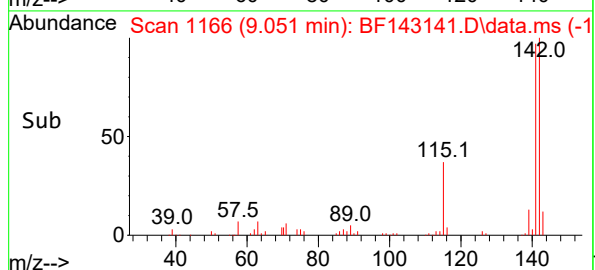
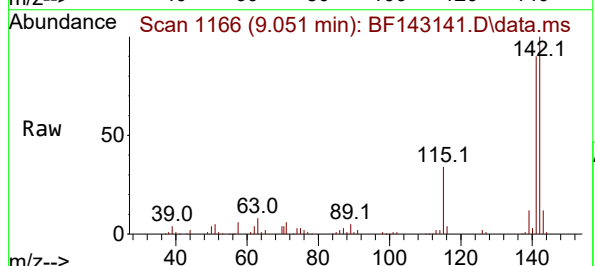
Manual Integrations
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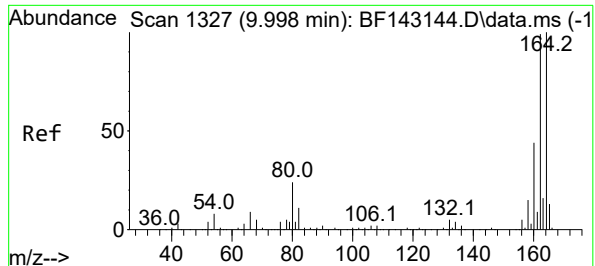
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 5.529 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:142 Resp: 86130
Ion Ratio Lower Upper
142 100
141 90.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143141.D

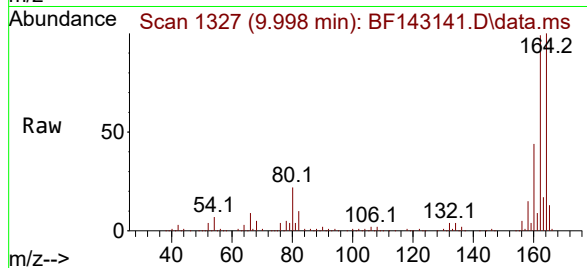
Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:164 Resp: 263409

Ion Ratio Lower Upper

164 100

162 99.5 79.0 118.6

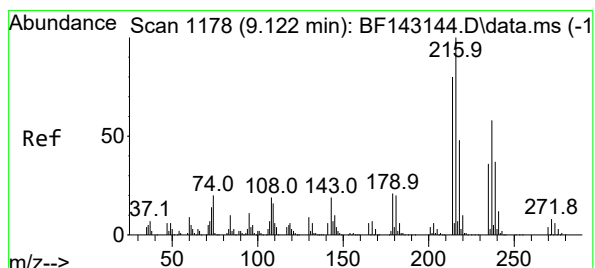
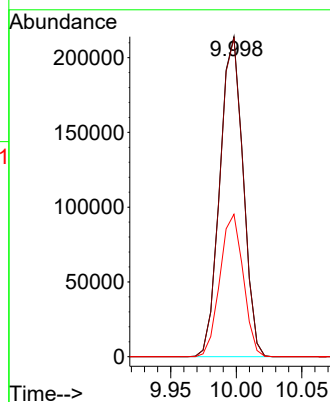
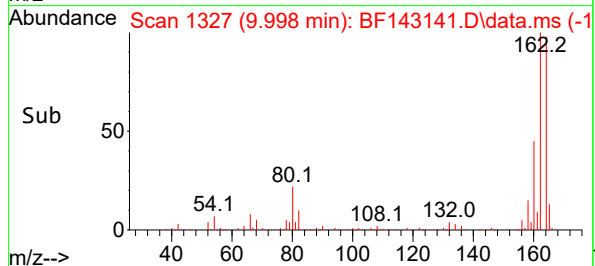
160 44.5 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.523 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion:216 Resp: 41999

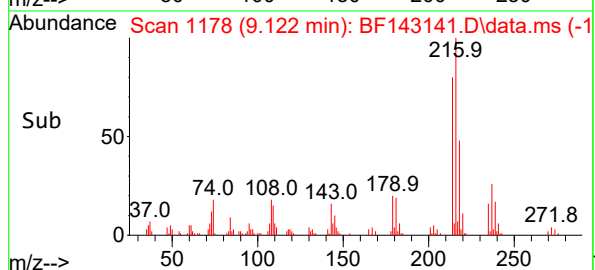
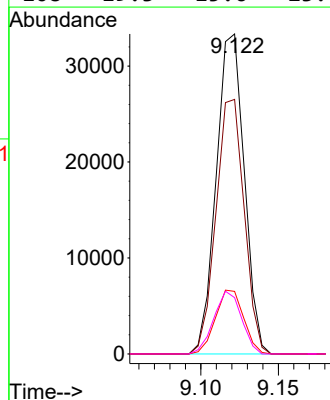
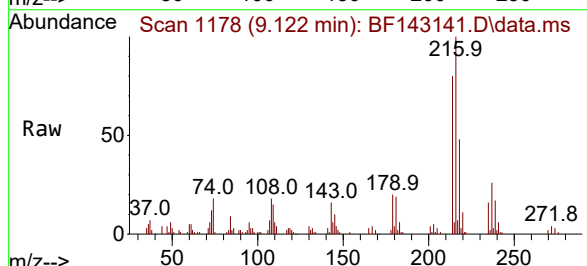
Ion Ratio Lower Upper

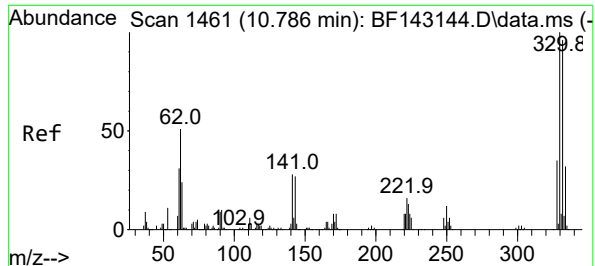
216 100

214 79.9 63.8 95.8

179 20.1 16.4 24.6

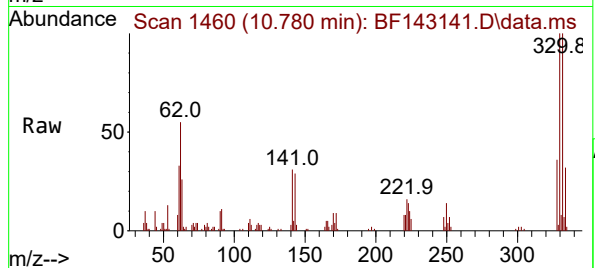
108 19.3 15.6 23.4





#42
2,4,6-Tribromophenol
Concen: 9.661 ng
RT: 10.780 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

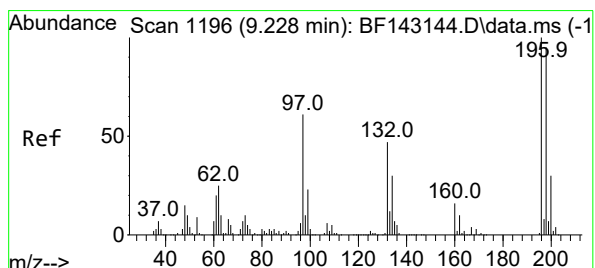
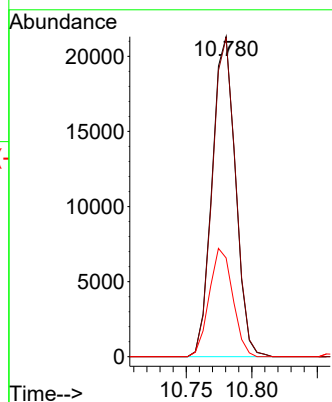
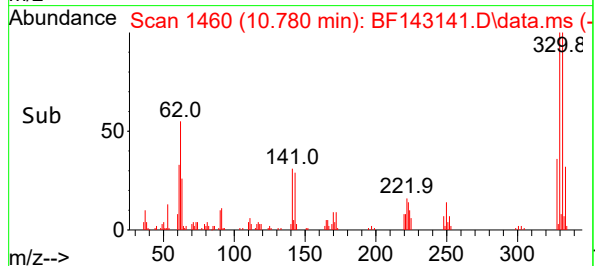
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:330 Resp: 2628
Ion Ratio Lower Upper
330 100
332 99.4 76.7 115.1
141 34.3 23.3 34.9

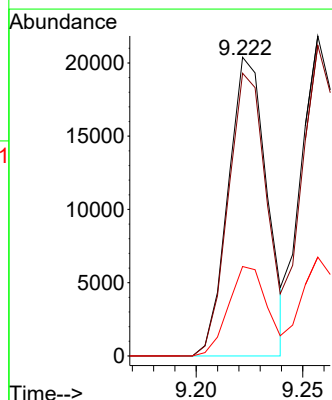
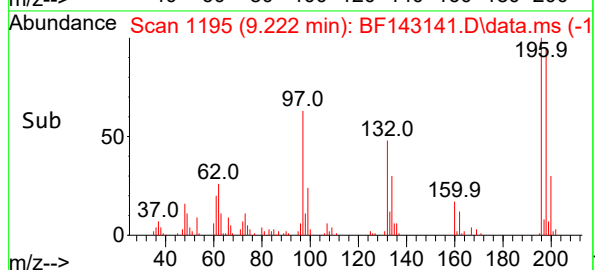
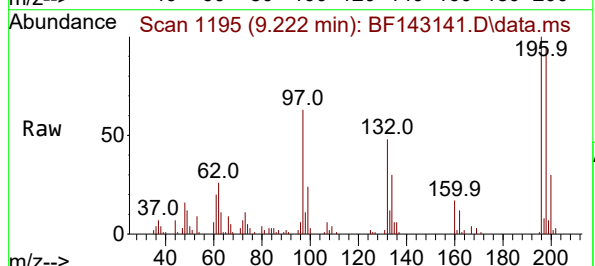
Manual Integrations
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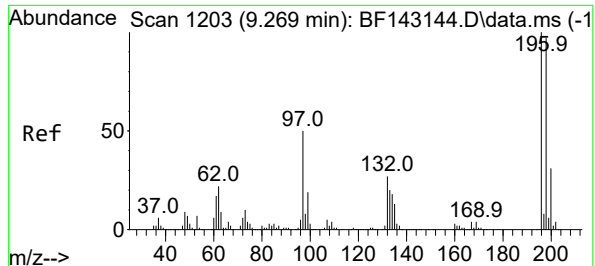
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#43
2,4,6-Trichlorophenol
Concen: 4.889 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:196 Resp: 25730
Ion Ratio Lower Upper
196 100
198 94.7 76.2 114.2
200 30.0 23.9 35.9





#44

2,4,5-Trichlorophenol

Concen: 5.057 ng

RT: 9.257 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:196 Resp: 26620

Ion Ratio Lower Upper

196 100

198 97.0 77.3 115.9

97 54.7 40.3 60.5

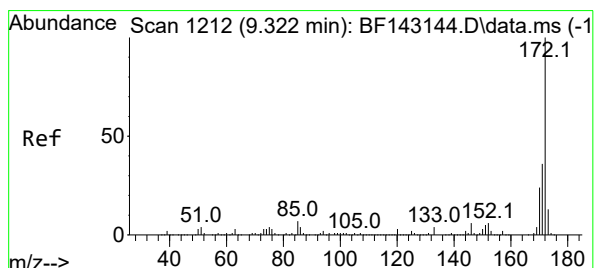
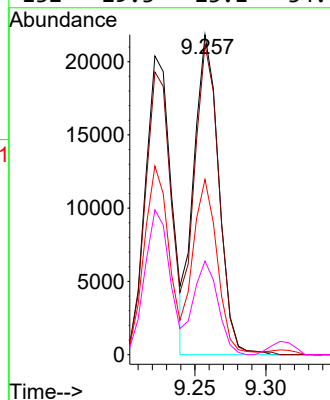
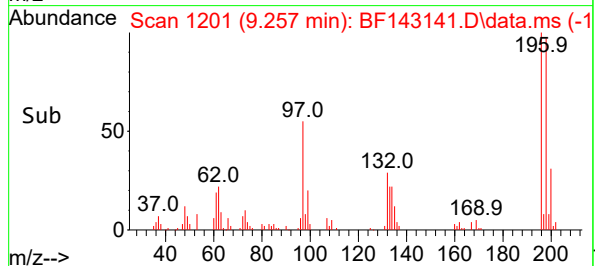
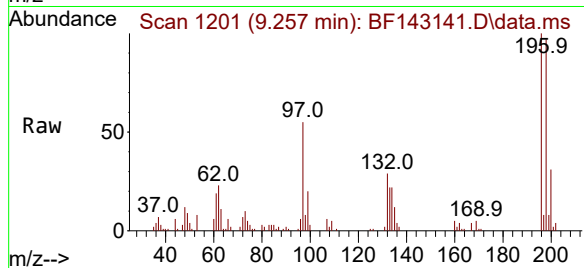
132 29.3 23.1 34.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#45

2-Fluorobiphenyl

Concen: 12.043 ng

RT: 9.310 min Scan# 1210

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

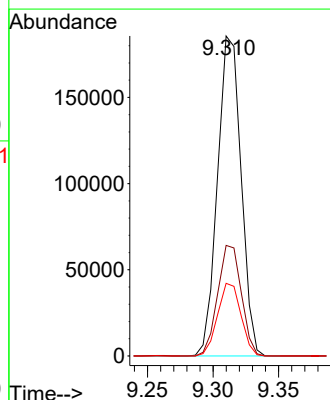
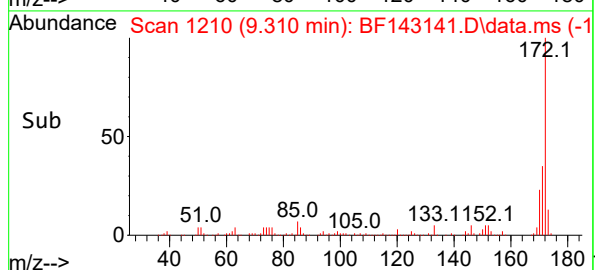
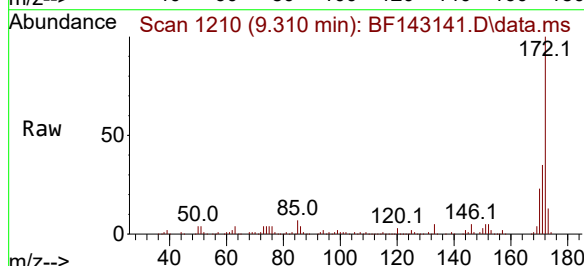
Tgt Ion:172 Resp: 231962

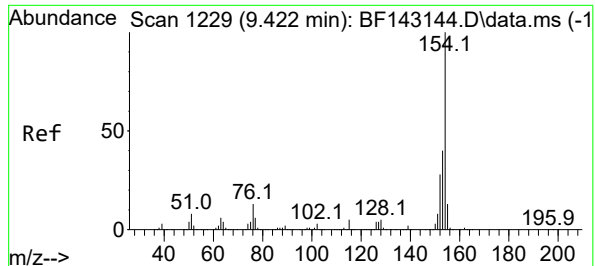
Ion Ratio Lower Upper

172 100

171 34.6 28.6 42.8

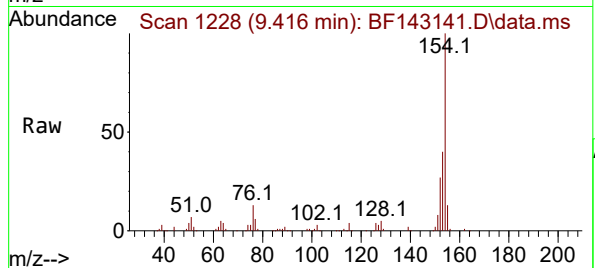
170 22.7 18.8 28.2





#46
1,1'-Biphenyl
Concen: 5.602 ng
RT: 9.416 min Scan# 115130
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

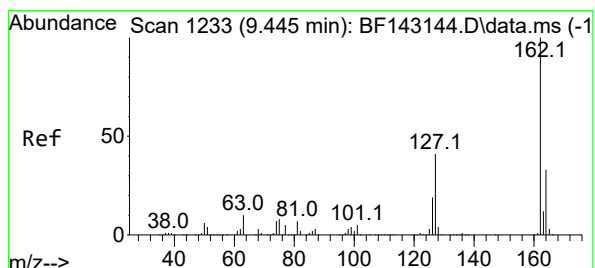
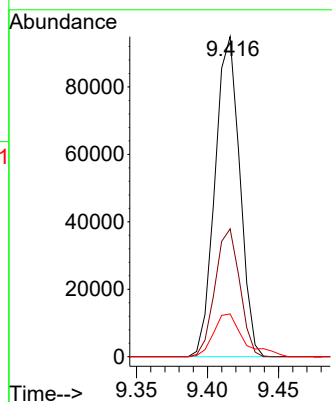
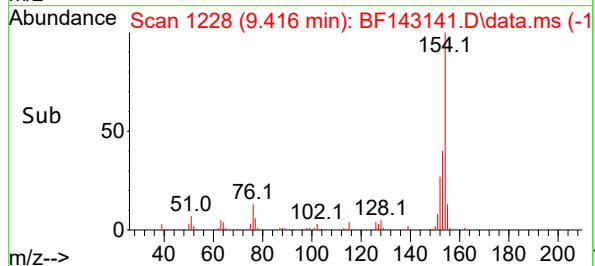
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:154 Resp: 115130
Ion Ratio Lower Upper
154 100
153 40.0 20.3 60.3
76 13.4 0.0 33.3

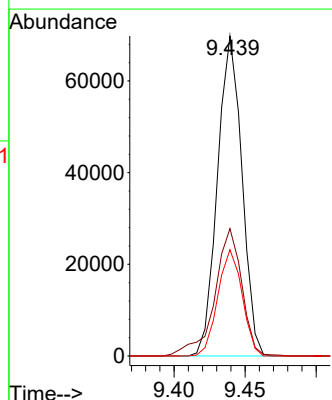
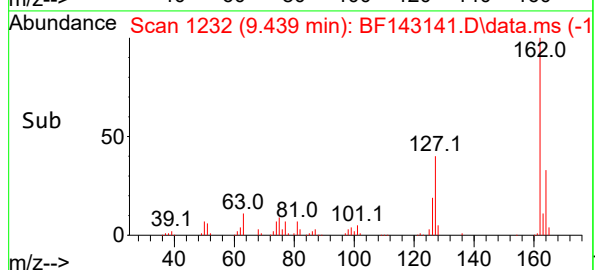
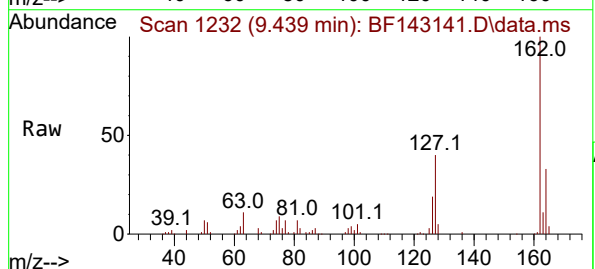
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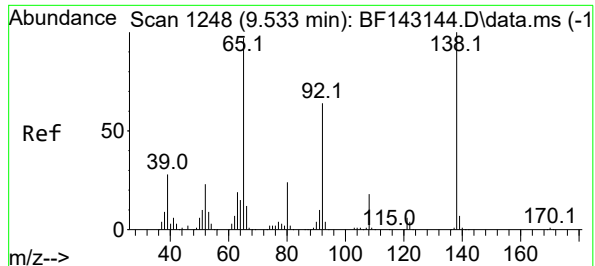
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#47
2-Chloronaphthalene
Concen: 5.491 ng
RT: 9.439 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

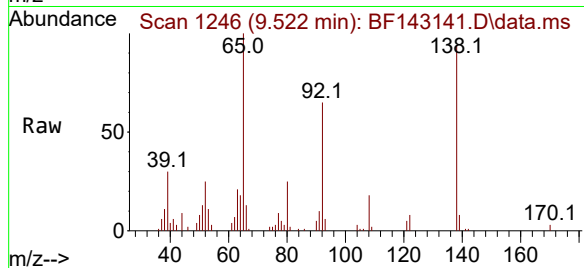
Tgt Ion:162 Resp: 83495
Ion Ratio Lower Upper
162 100
127 39.8 33.4 50.2
164 33.2 26.2 39.2





#48
2-Nitroaniline
Concen: 4.210 ng
RT: 9.522 min Scan# 1246
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

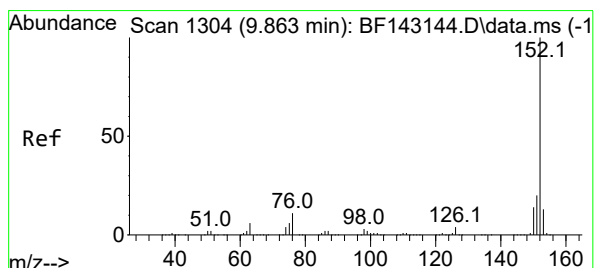
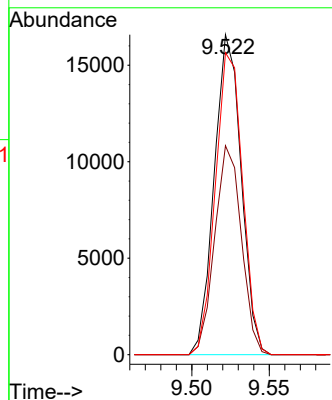
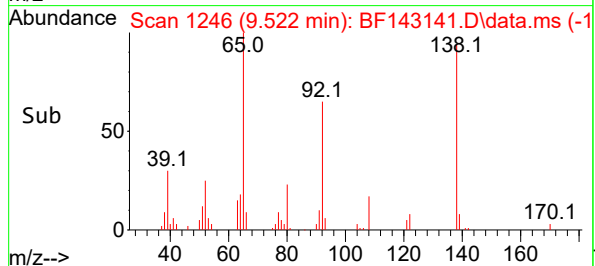
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion: 65 Resp: 20070
Ion Ratio Lower Upper
65 100
92 65.3 52.4 78.6
138 94.3 82.3 123.5

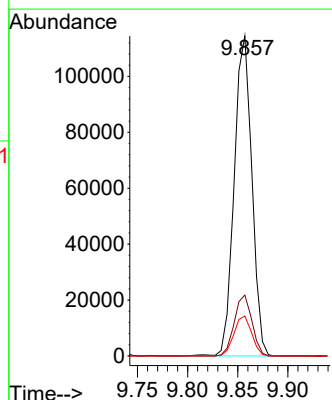
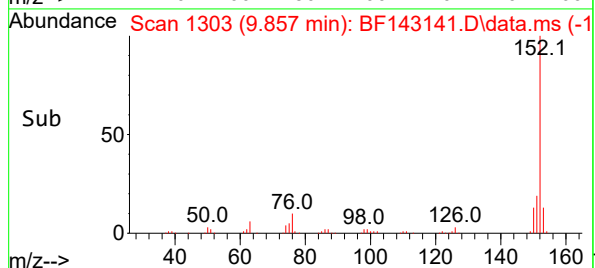
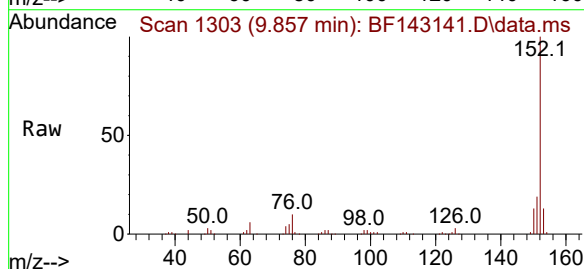
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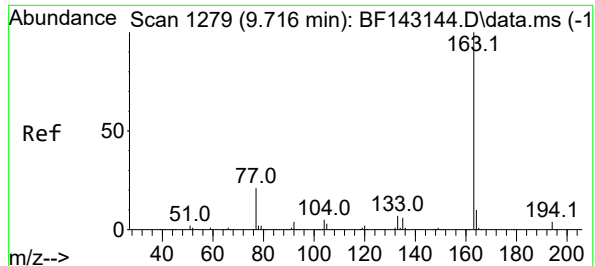
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#49
Acenaphthylene
Concen: 5.514 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:152 Resp: 140525
Ion Ratio Lower Upper
152 100
151 19.1 16.2 24.2
153 12.5 10.6 16.0





#50

Dimethylphthalate

Concen: 5.452 ng

RT: 9.704 min Scan# 1277

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:163 Resp: 9361

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

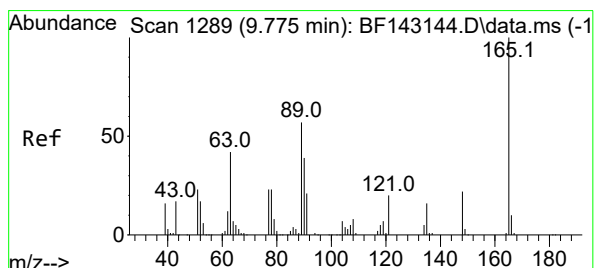
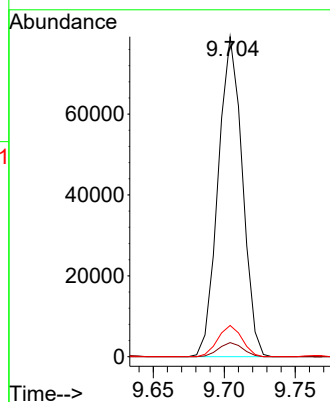
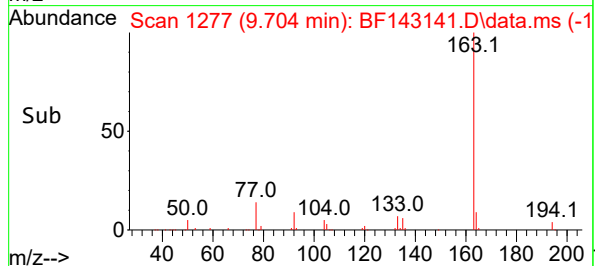
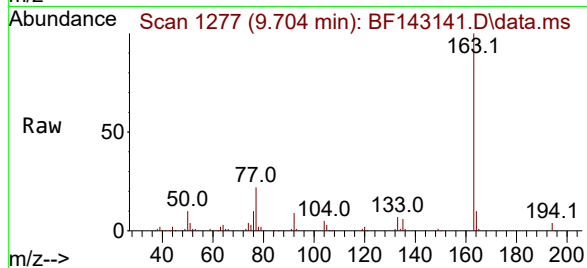
164 9.8 8.3 12.5

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#51

2,6-Dinitrotoluene

Concen: 4.234 ng

RT: 9.763 min Scan# 1287

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

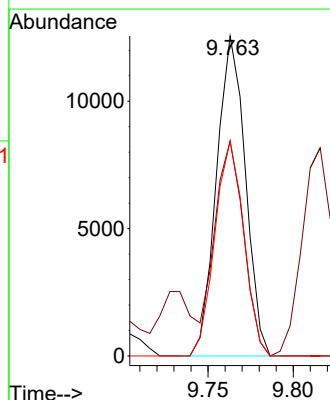
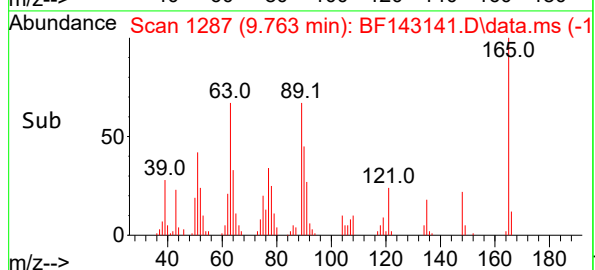
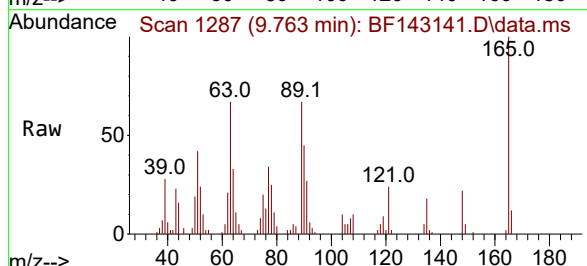
Tgt Ion:165 Resp: 14787

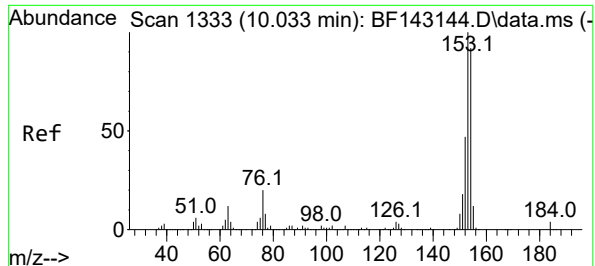
Ion Ratio Lower Upper

165 100

63 67.1 49.4 74.2

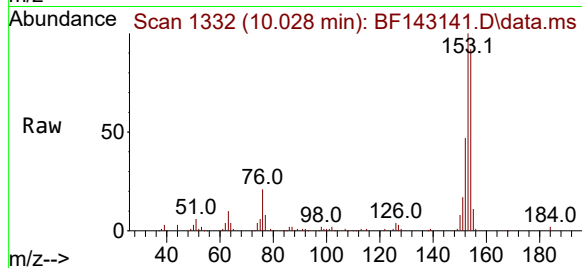
89 67.2 46.2 69.2





#52
Acenaphthene
Concen: 5.588 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

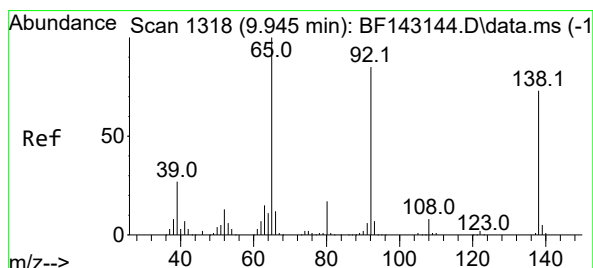
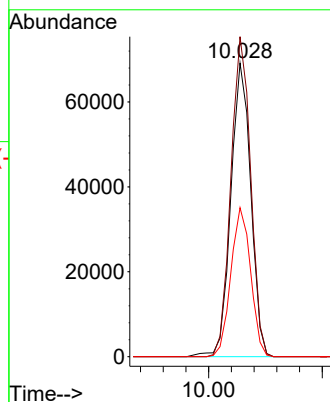
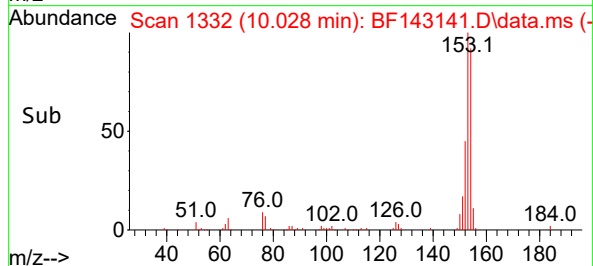
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:154 Resp: 84160
Ion Ratio Lower Upper
154 100
153 109.0 86.6 129.8
152 50.7 40.4 60.6

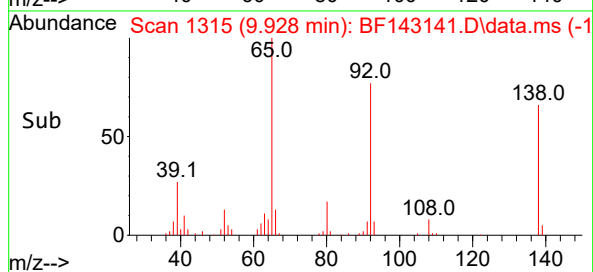
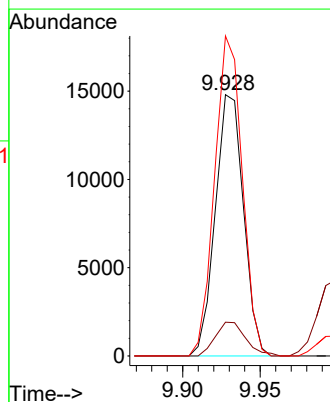
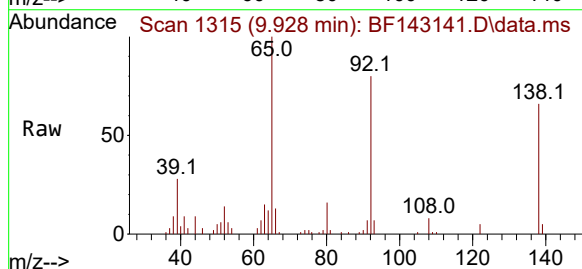
Manual Integrations
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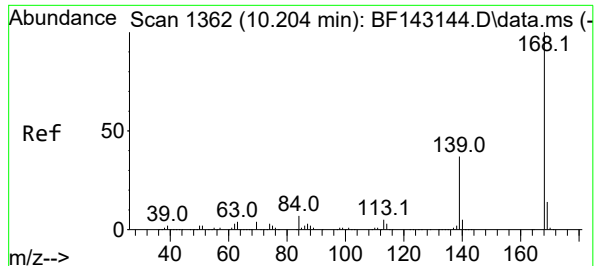
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#53
3-Nitroaniline
Concen: 4.587 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:138 Resp: 18738
Ion Ratio Lower Upper
138 100
108 12.9 9.0 13.6
92 122.5 93.0 139.4





#55

Dibenzenofuran

Concen: 5.681 ng

RT: 10.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143141.D

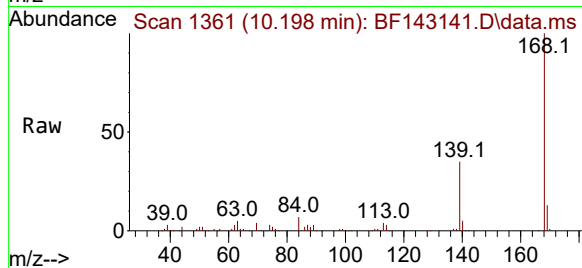
Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:168 Resp: 127035

Ion Ratio Lower Upper

168 100

139 34.7 29.5 44.3

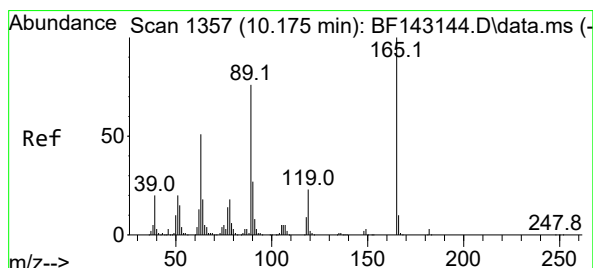
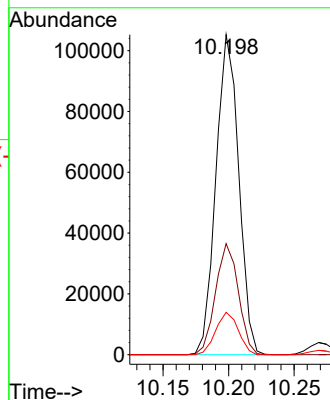
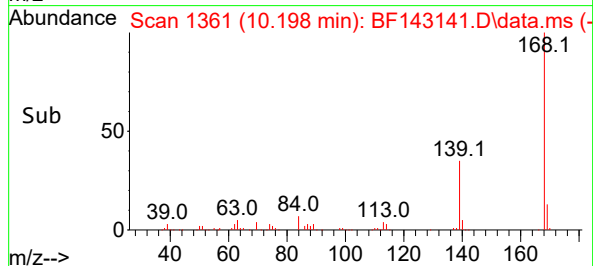
169 13.3 10.9 16.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#57

2,4-Dinitrotoluene

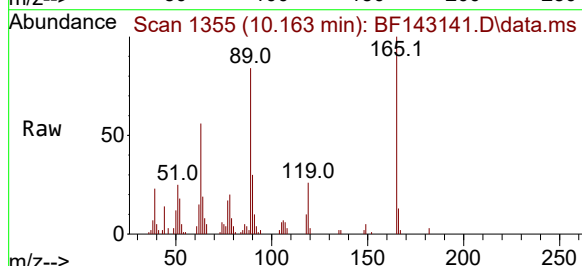
Concen: 4.041 ng

RT: 10.163 min Scan# 1355

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34



Tgt Ion:165 Resp: 17709

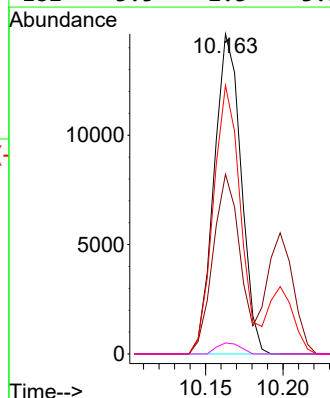
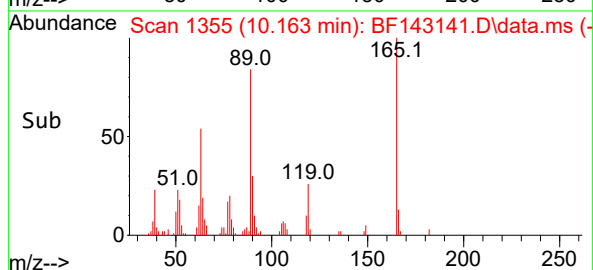
Ion Ratio Lower Upper

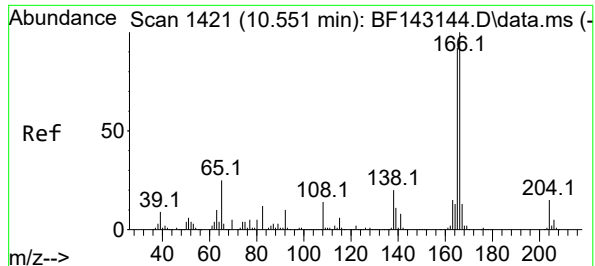
165 100

63 56.1 41.0 61.4

89 83.9 61.1 91.7

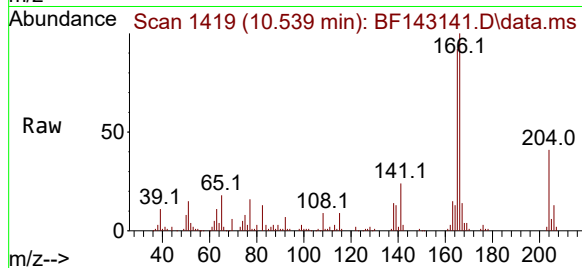
182 3.5 2.3 3.5





#58
Fluorene
Concen: 5.808 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

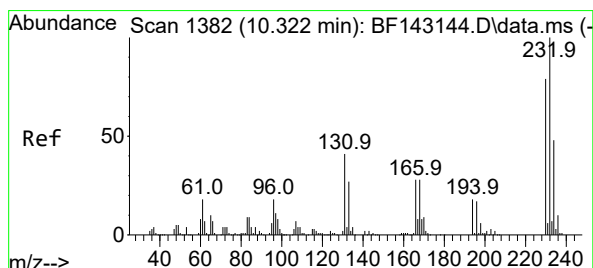
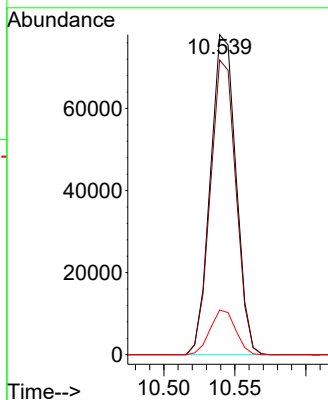
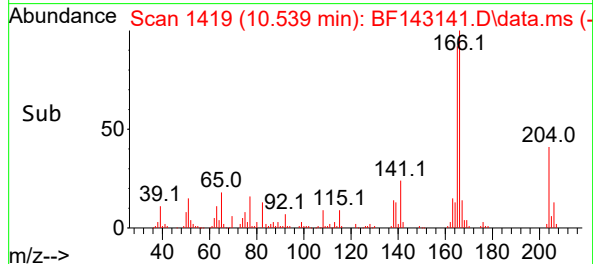
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:166 Resp: 9747
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 14.0 10.6 16.0

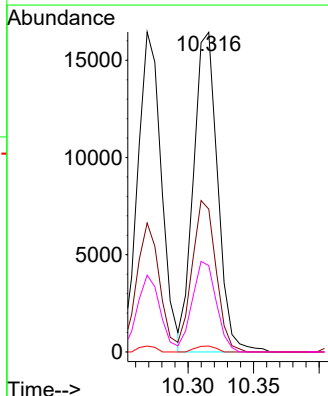
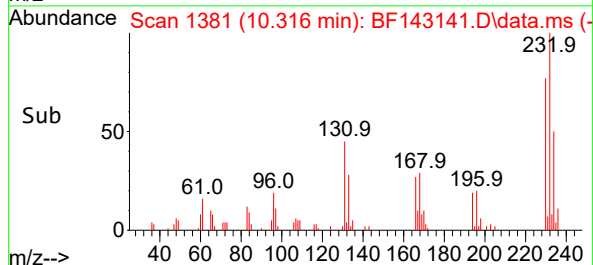
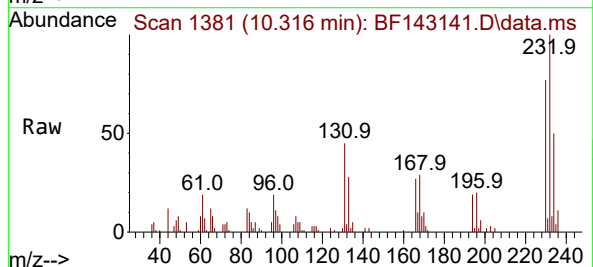
Manual Integrations
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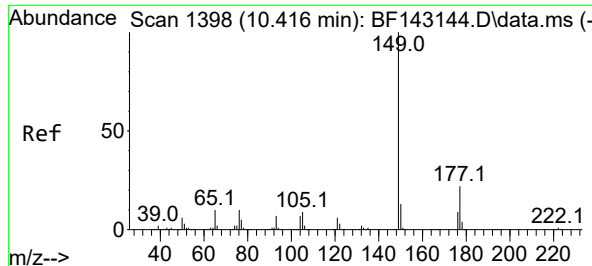
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.840 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

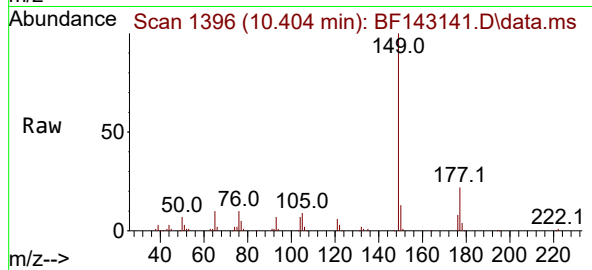
Tgt Ion:232 Resp: 21108
Ion Ratio Lower Upper
232 100
131 46.6 35.3 52.9
130 1.6 1.7 2.5#
166 27.9 23.4 35.2





#60
Diethylphthalate
Concen: 5.342 ng
RT: 10.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

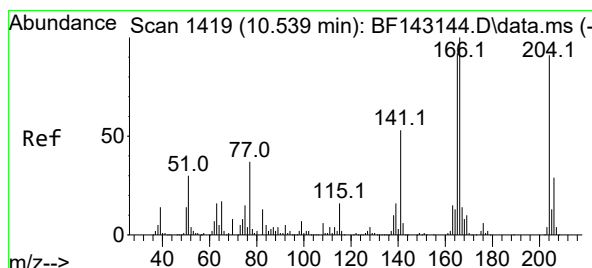
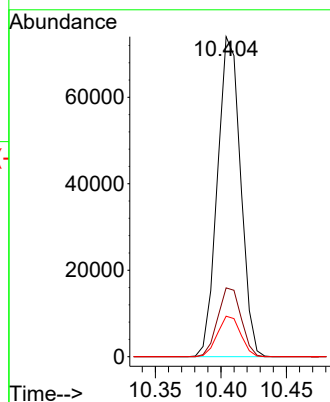
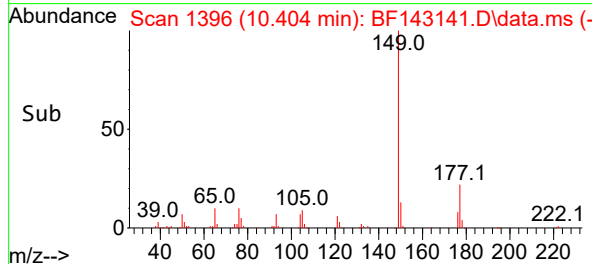
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



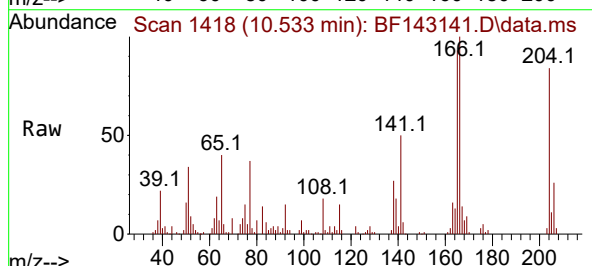
Tgt Ion:149 Resp: 9065
Ion Ratio Lower Upper
149 100
177 21.5 17.5 26.3
150 12.7 10.2 15.2

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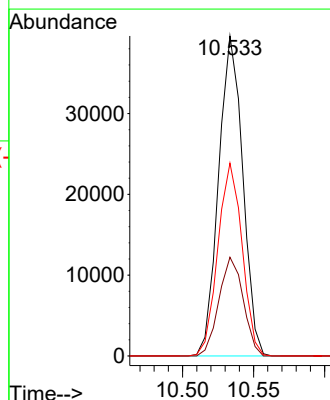
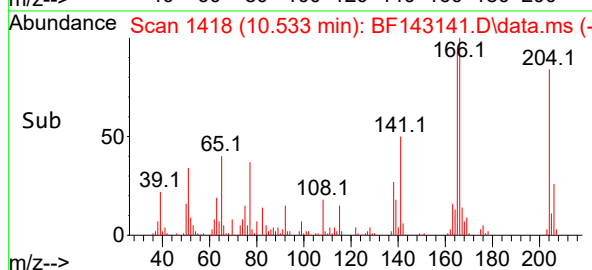
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

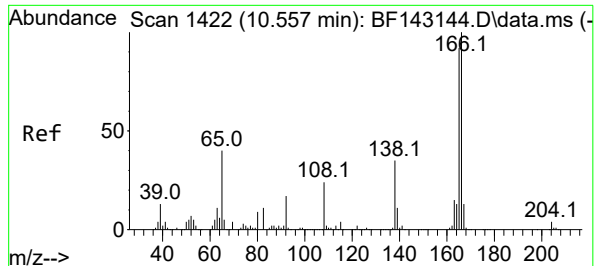


#61
4-Chlorophenyl-phenylether
Concen: 5.594 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34



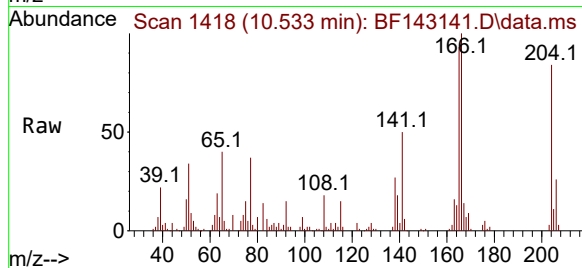
Tgt Ion:204 Resp: 46747
Ion Ratio Lower Upper
204 100
206 30.8 25.8 38.8
141 60.2 47.0 70.4





#62
4-Nitroaniline
Concen: 4.446 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

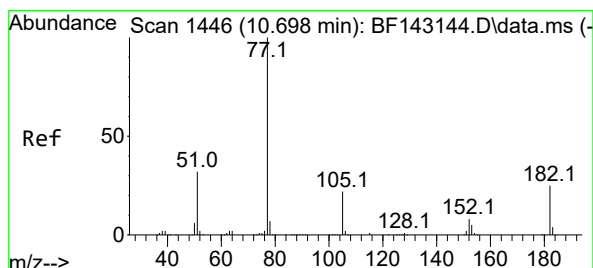
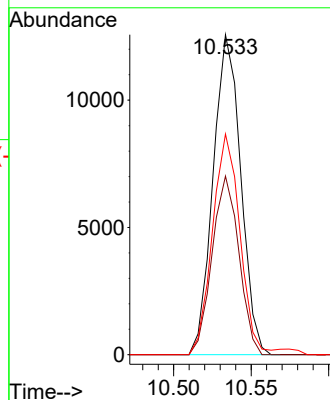
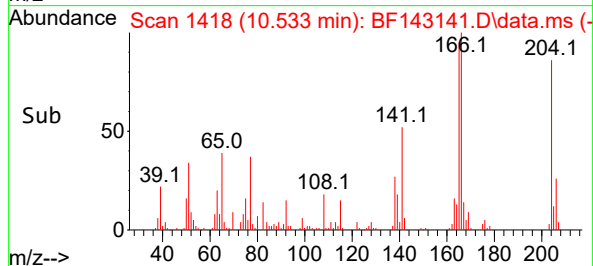
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:138 Resp: 1556
Ion Ratio Lower Upper
138 100
92 55.8 29.3 69.3
108 68.9 48.3 88.3

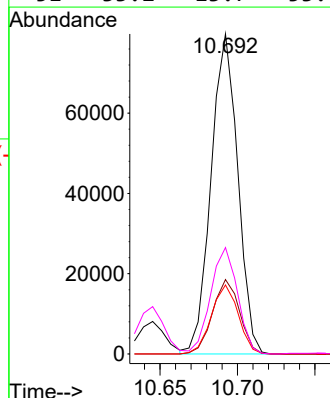
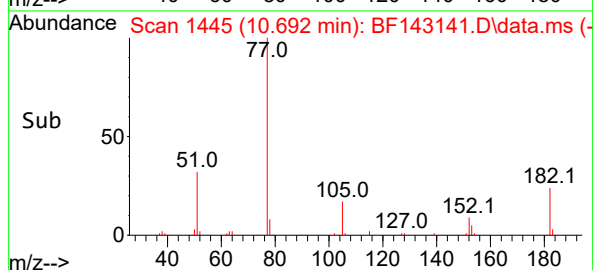
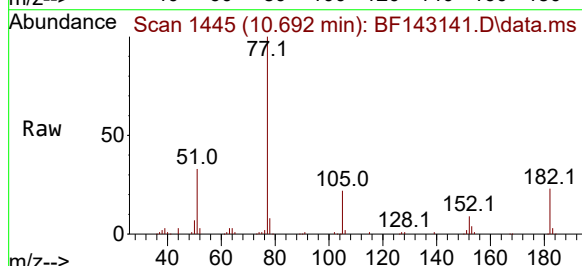
Manual Integrations
APPROVED

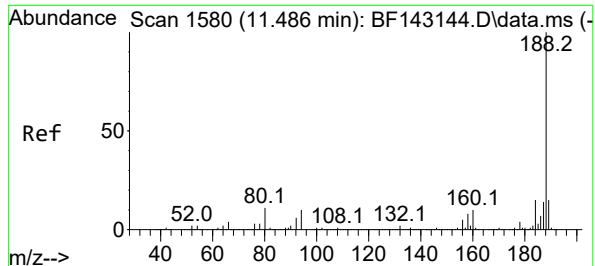
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#63
Azobenzene
Concen: 5.405 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

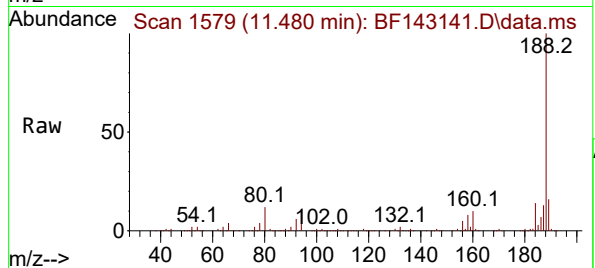
Tgt Ion: 77 Resp: 95602
Ion Ratio Lower Upper
77 100
182 23.2 4.6 44.6
105 21.5 1.4 41.4
51 33.2 13.7 53.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

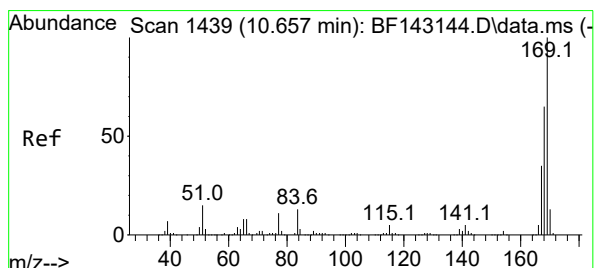
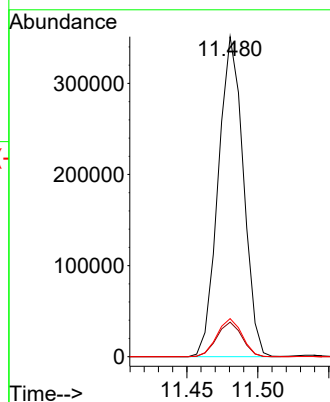
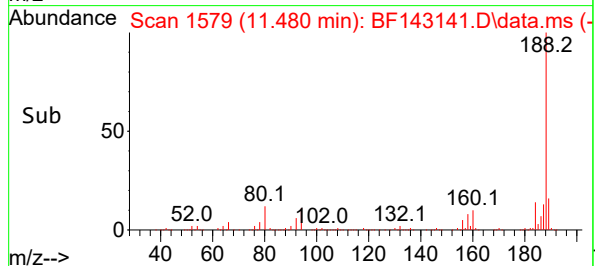
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:188 Resp: 432329
Ion Ratio Lower Upper
188 100
94 10.8 8.3 12.5
80 11.9 9.0 13.6

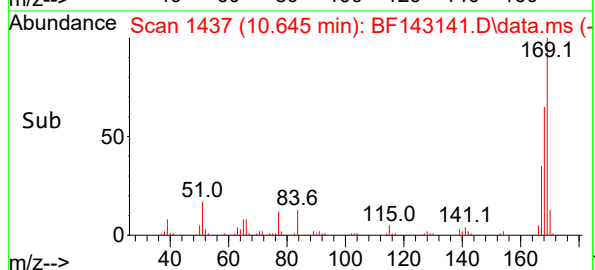
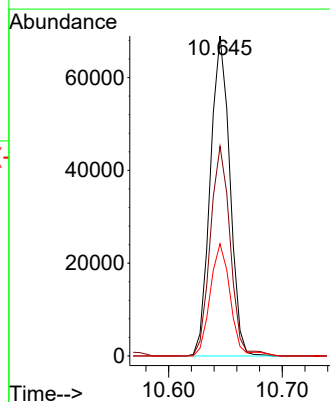
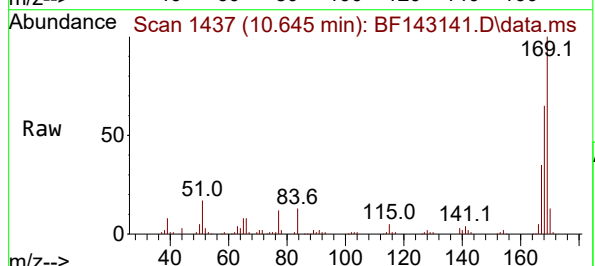
Manual Integrations
APPROVED

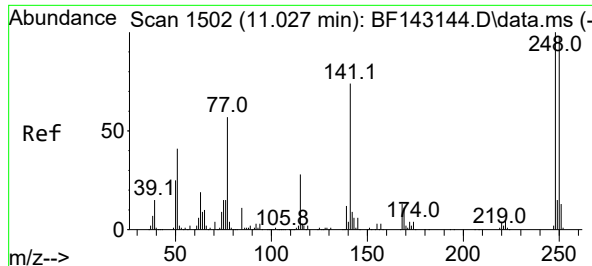
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 5.405 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

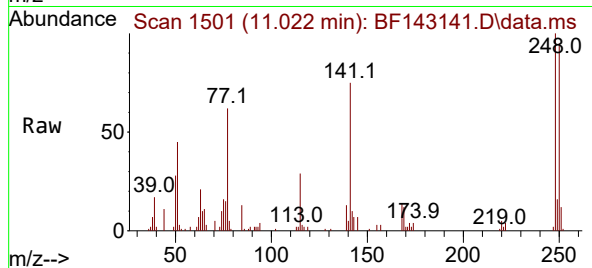
Tgt Ion:169 Resp: 82281
Ion Ratio Lower Upper
169 100
168 65.5 52.1 78.1
167 35.1 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 5.291 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

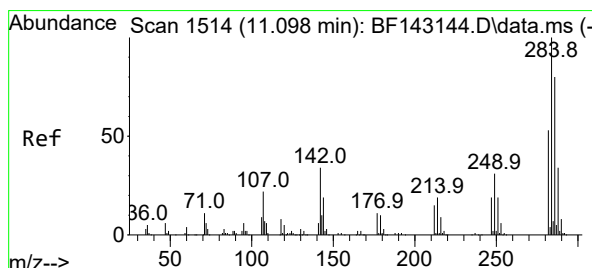
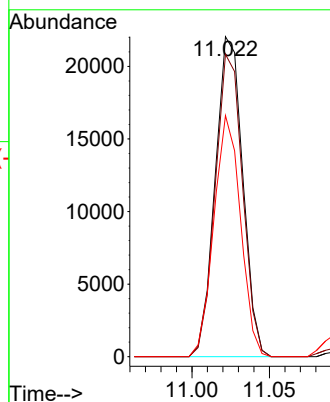
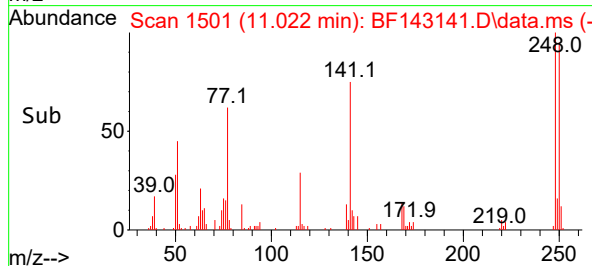
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



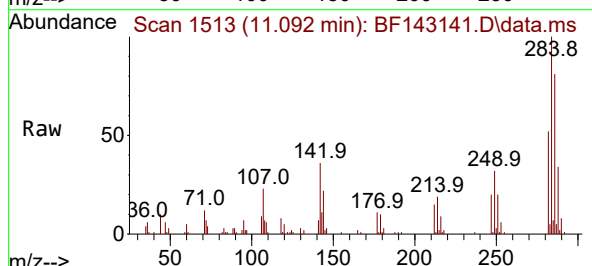
Tgt Ion:248 Resp: 27259
Ion Ratio Lower Upper
248 100
250 94.5 78.3 117.5
141 75.4 59.2 88.8

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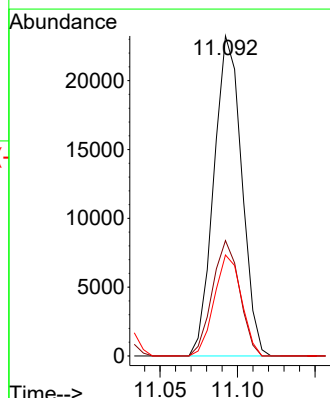
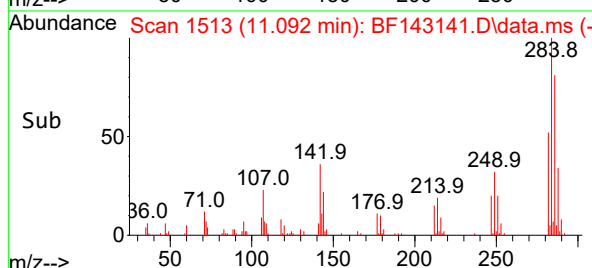
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

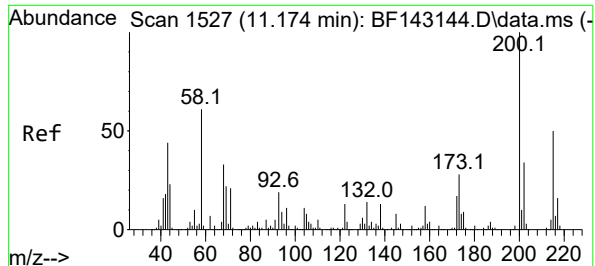


#68
Hexachlorobenzene
Concen: 5.395 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34



Tgt Ion:284 Resp: 29052
Ion Ratio Lower Upper
284 100
142 36.1 27.0 40.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 4.733 ng

RT: 11.169 min Scan# 1526

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:200 Resp: 1986

Ion Ratio Lower Upper

200 100

173 28.5 7.9 47.9

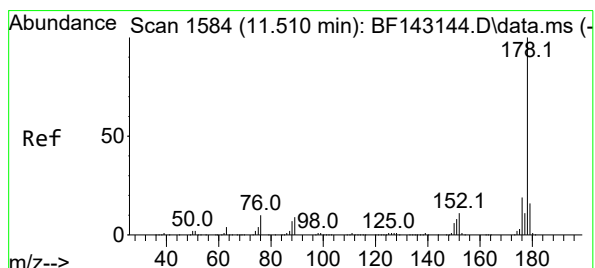
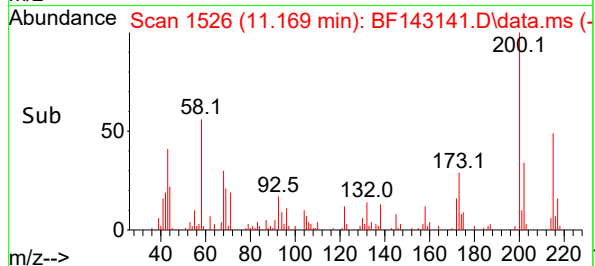
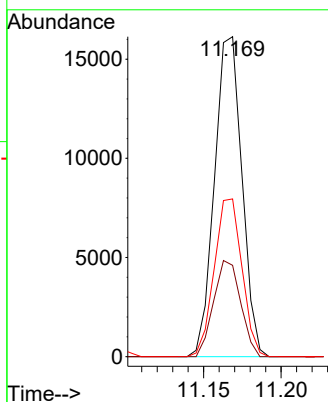
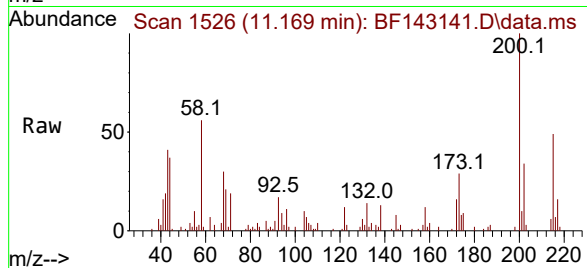
215 49.3 30.1 70.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#71

Phenanthrene

Concen: 5.609 ng

RT: 11.504 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

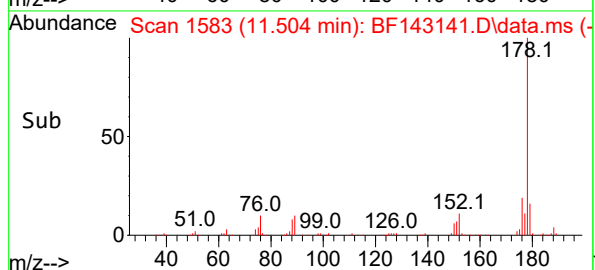
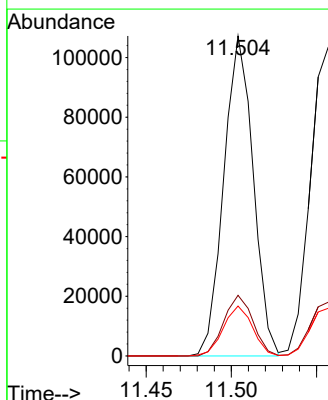
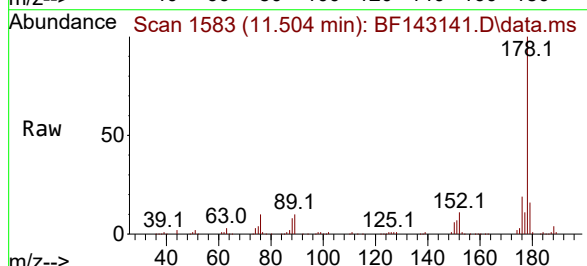
Tgt Ion:178 Resp: 128762

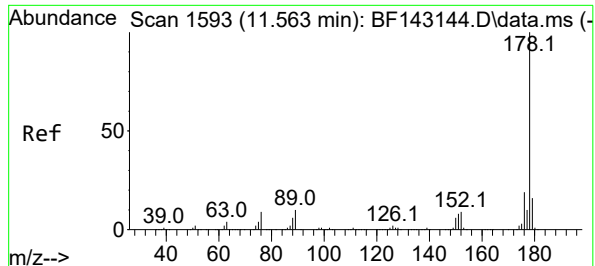
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.6 12.5 18.7





#72

Anthracene

Concen: 5.465 ng

RT: 11.557 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:178 Resp: 127938

Ion Ratio Lower Upper

178 100

176 17.4 15.0 22.4

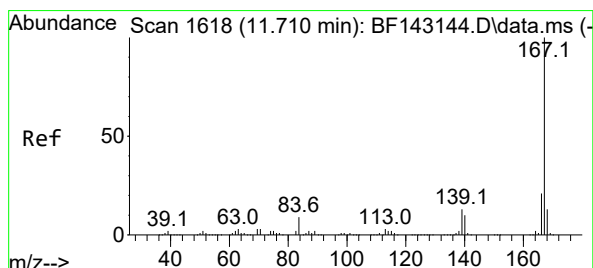
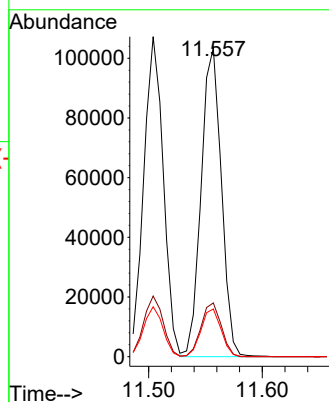
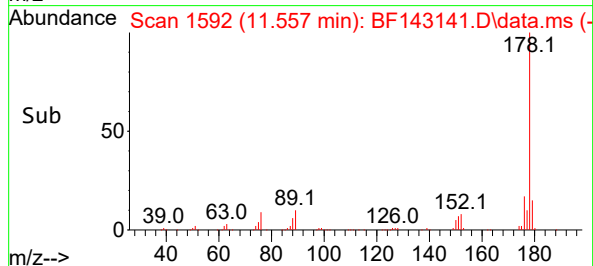
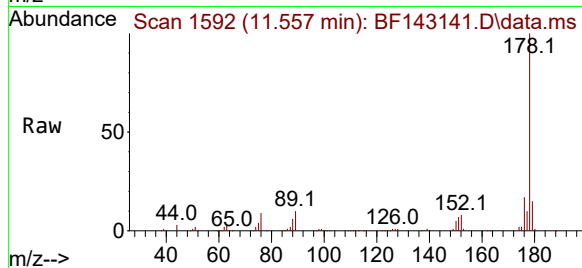
179 15.4 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#73

Carbazole

Concen: 5.507 ng

RT: 11.704 min Scan# 1617

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

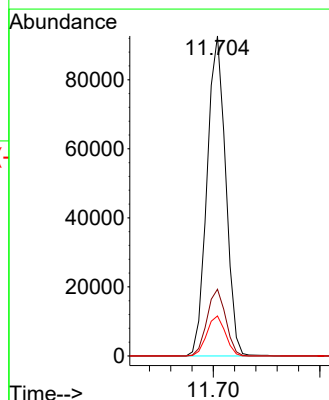
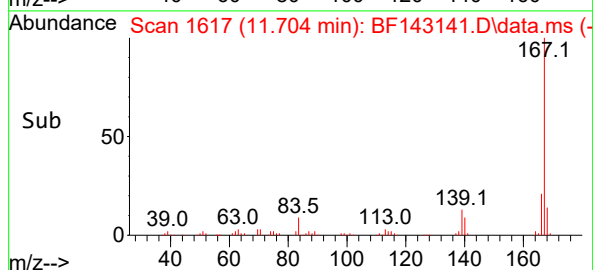
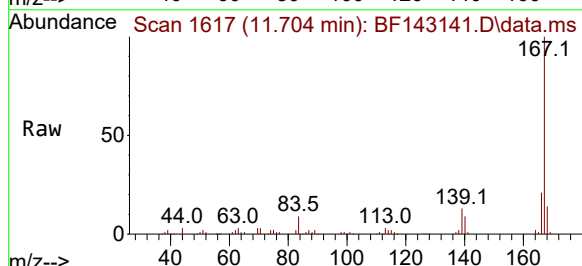
Tgt Ion:167 Resp: 112588

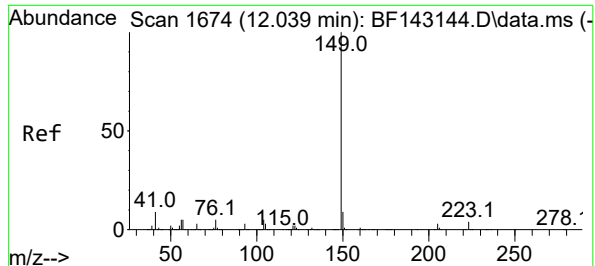
Ion Ratio Lower Upper

167 100

166 20.9 17.0 25.6

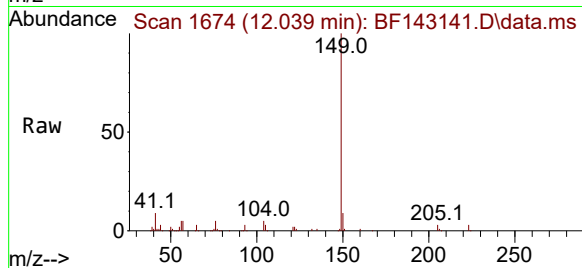
139 12.5 10.0 15.0





#74
Di-n-butylphthalate
Concen: 5.027 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

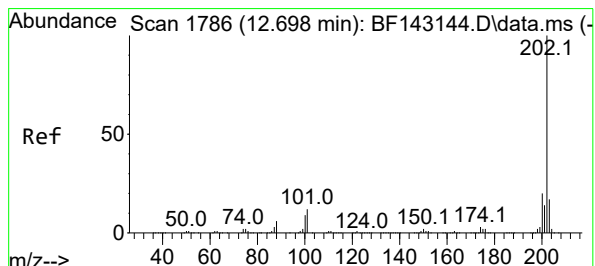
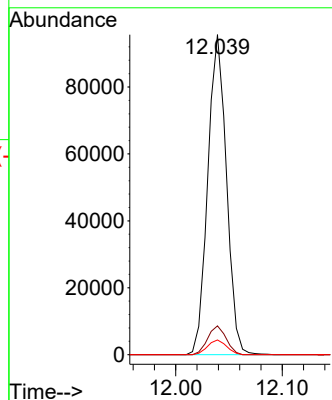
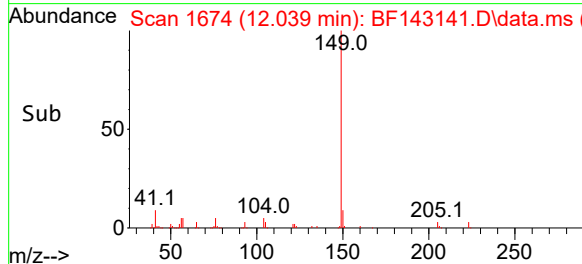
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



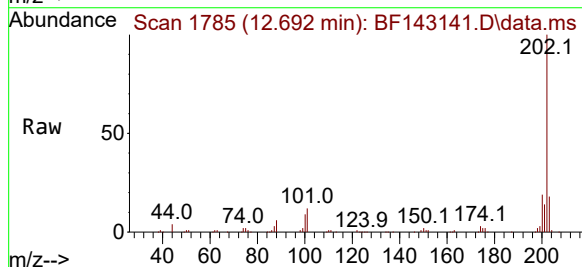
Tgt Ion:149 Resp: 11629
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 4.6 3.8 5.8

Manual Integrations
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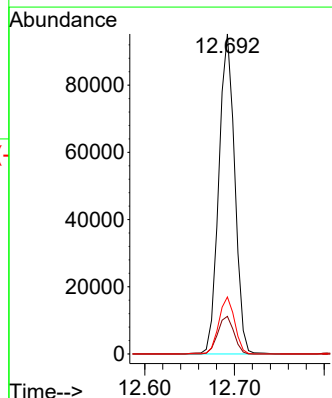
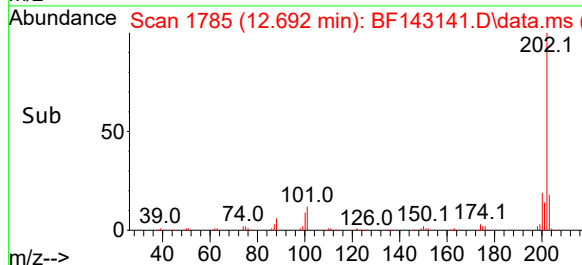
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

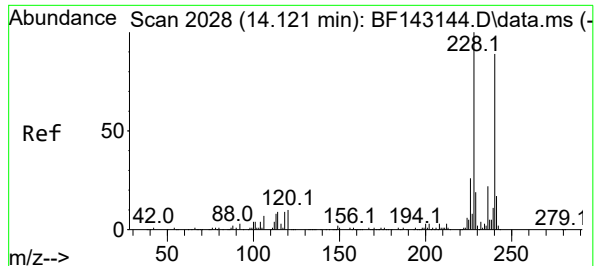


#75
Fluoranthene
Concen: 5.565 ng
RT: 12.692 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34



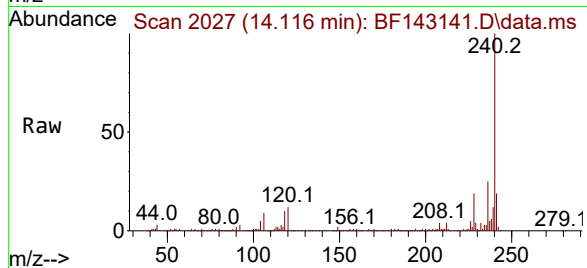
Tgt Ion:202 Resp: 117249
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.8 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

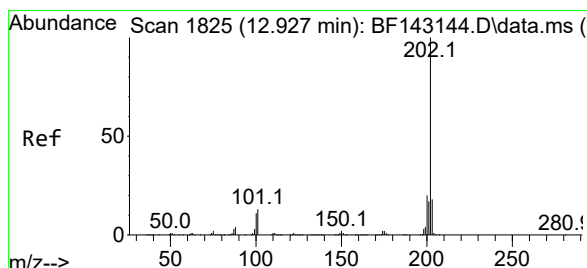
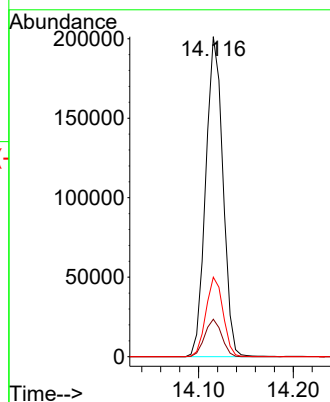
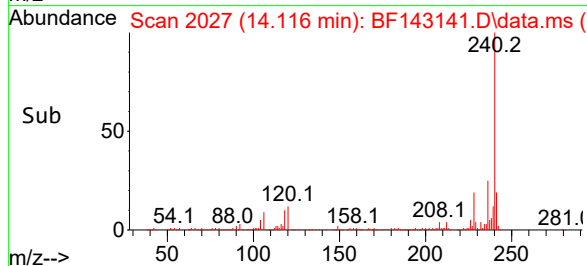
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:240 Resp: 253004
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 24.9 20.2 30.4

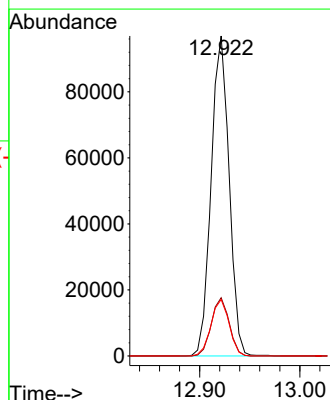
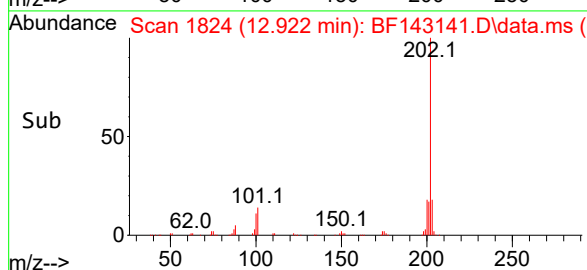
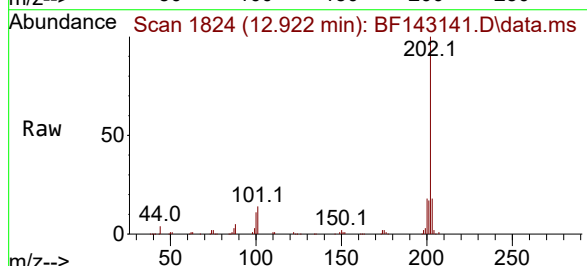
Manual Integrations
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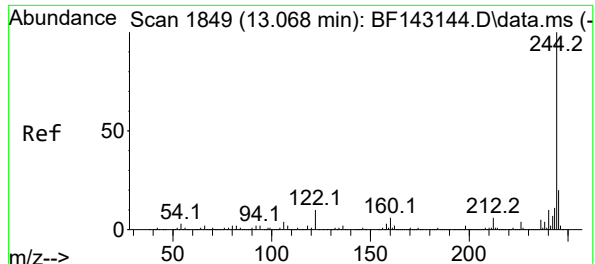
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 5.593 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:202 Resp: 120767
Ion Ratio Lower Upper
202 100
200 18.2 15.7 23.5
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 11.656 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:244 Resp: 19816

Ion Ratio Lower Upper

244 100

212 6.2 5.2 7.8

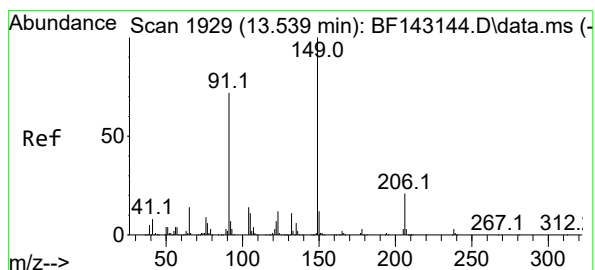
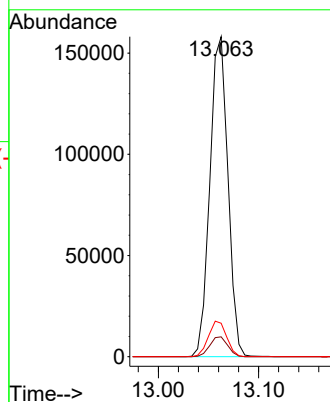
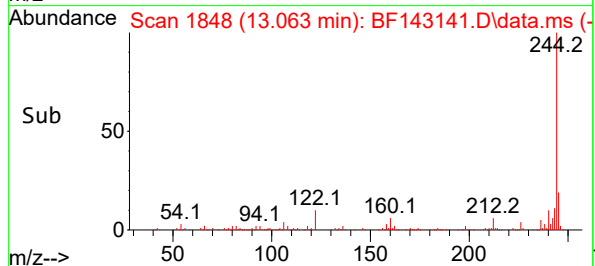
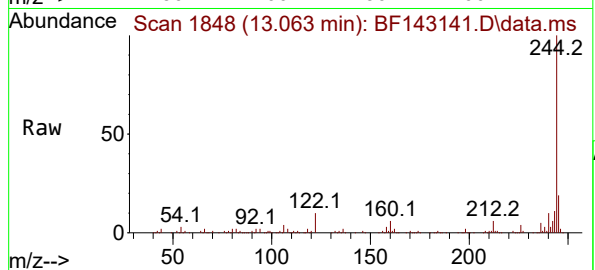
122 10.5 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 4.189 ng

RT: 13.533 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

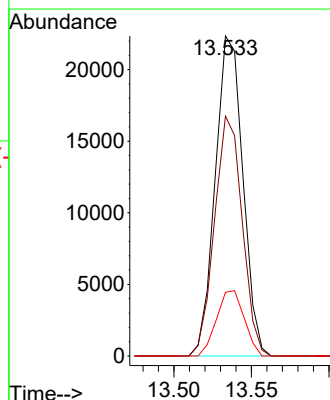
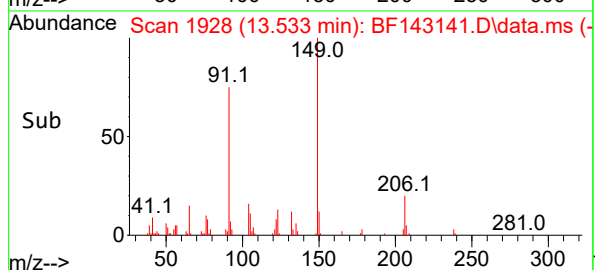
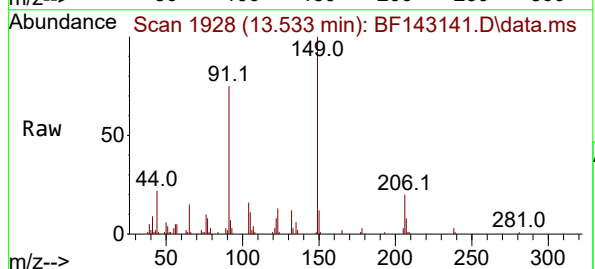
Tgt Ion:149 Resp: 27699

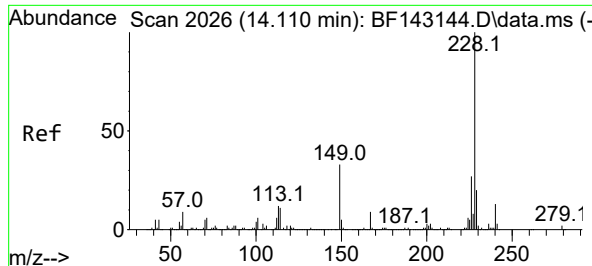
Ion Ratio Lower Upper

149 100

91 74.9 57.9 86.9

206 19.9 17.0 25.4





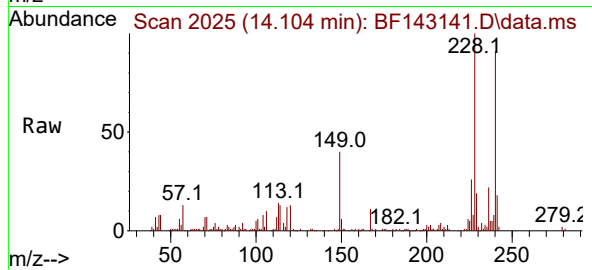
#81
Benzo(a)anthracene
Concen: 5.131 ng
RT: 14.104 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

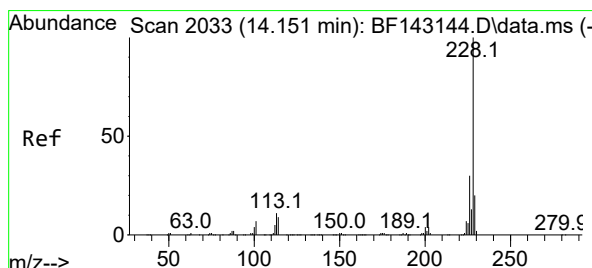
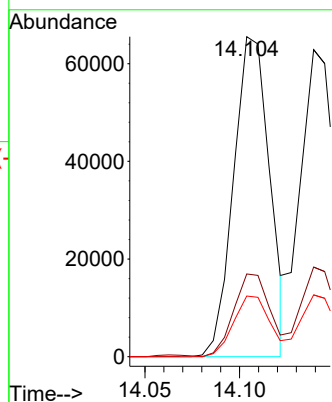
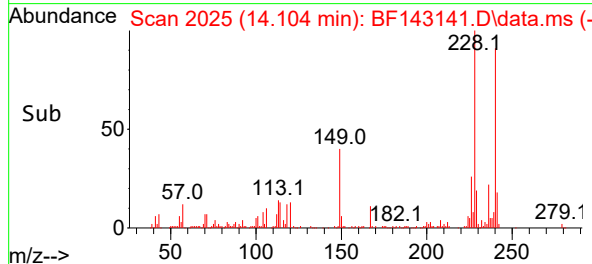


Tgt Ion:228 Resp: 86920
Ion Ratio Lower Upper
228 100
226 25.8 21.7 32.5
229 19.0 15.8 23.6

Manual Integrations

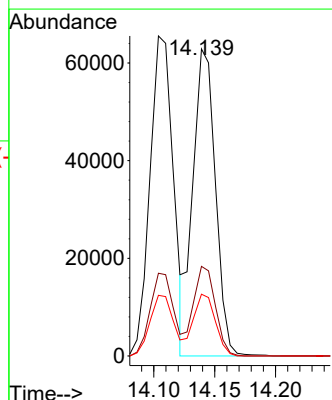
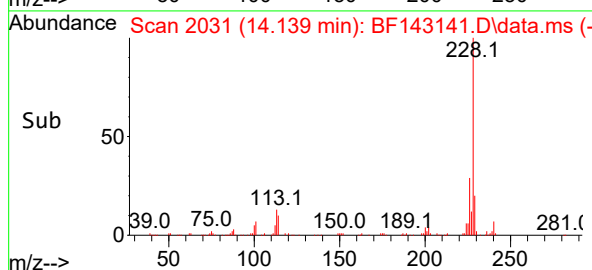
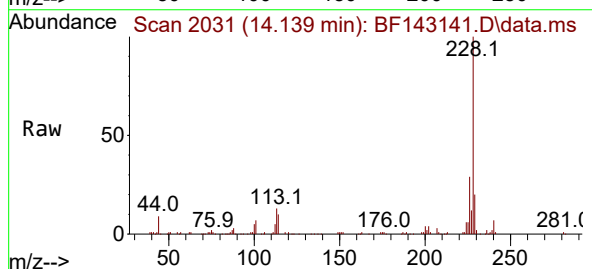
APPROVED

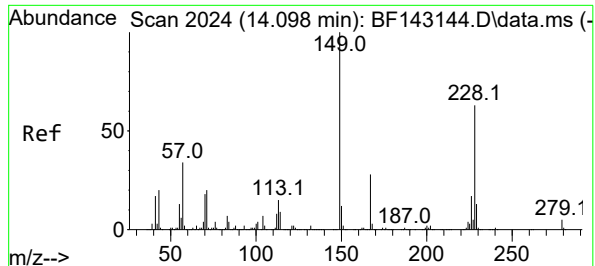
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#83
Chrysene
Concen: 5.325 ng
RT: 14.139 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

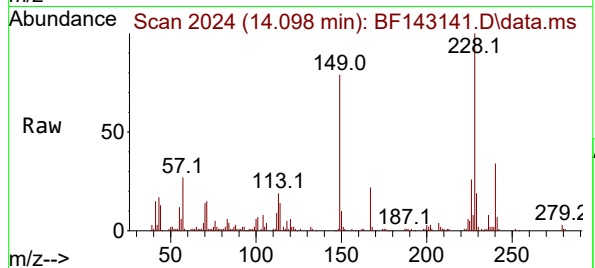
Tgt Ion:228 Resp: 81091
Ion Ratio Lower Upper
228 100
226 29.2 23.8 35.8
229 20.1 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.370 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

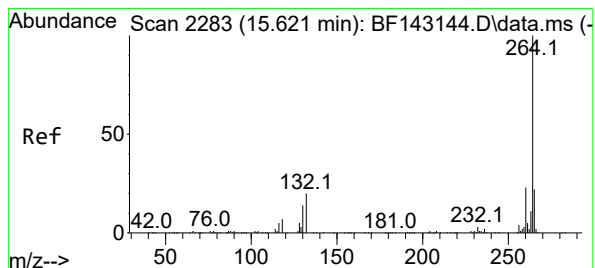
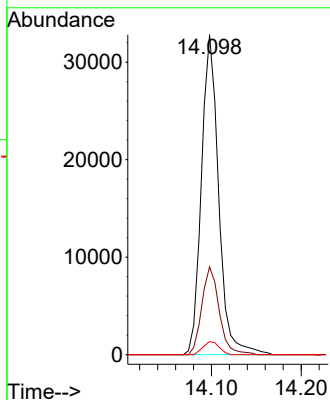
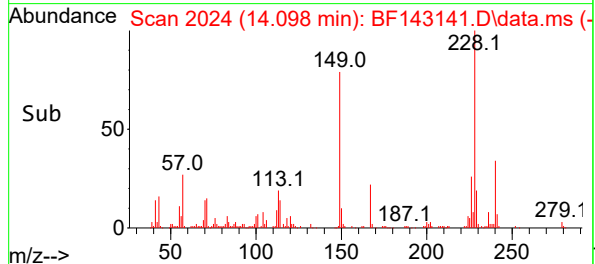
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:149 Resp: 43732
Ion Ratio Lower Upper
149 100
167 27.5 22.3 33.5
279 4.1 3.6 5.4

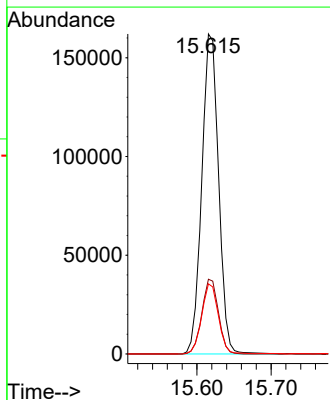
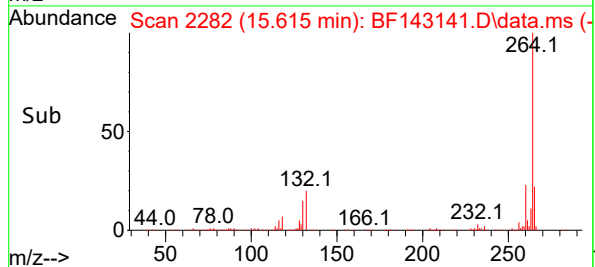
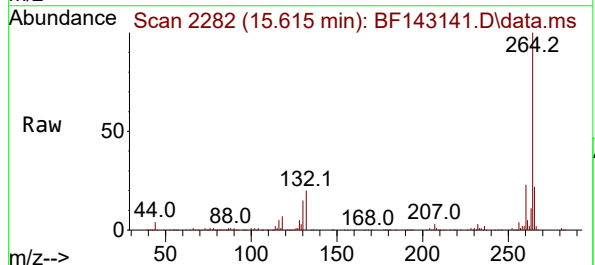
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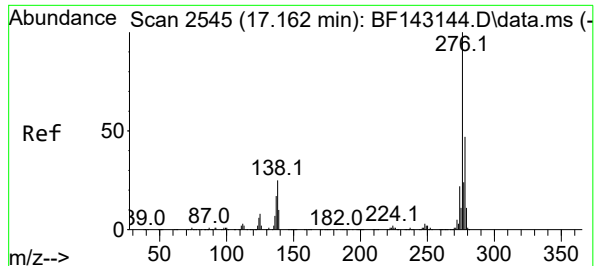
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

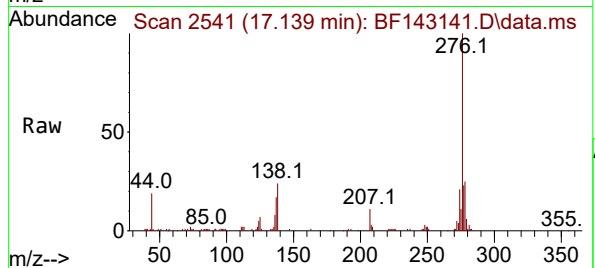
Tgt Ion:264 Resp: 255898
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.9 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.047 ng
RT: 17.139 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

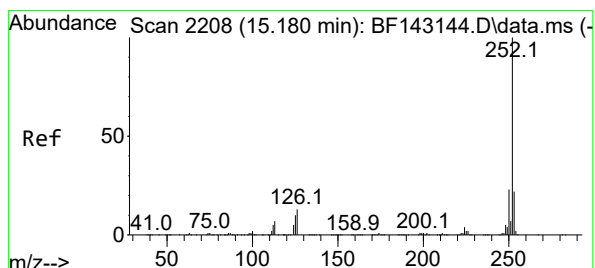
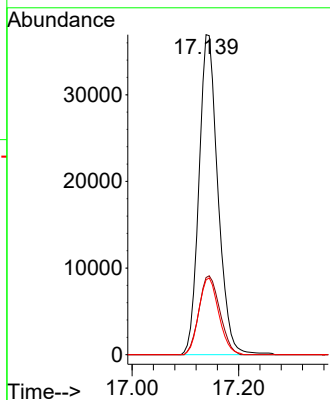
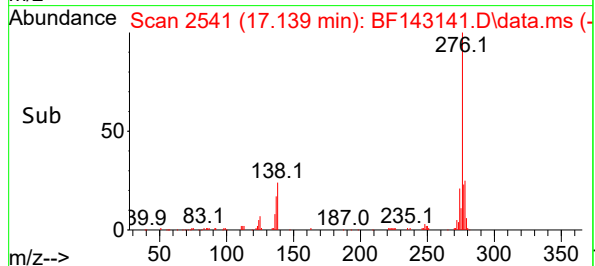
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:276 Resp: 91070
Ion Ratio Lower Upper
276 100
138 27.2 21.8 32.6
277 25.2 20.0 30.0

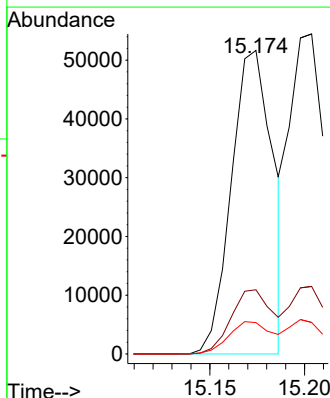
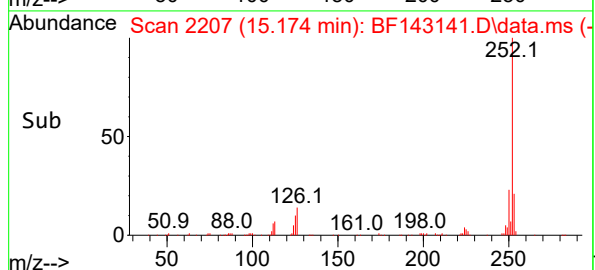
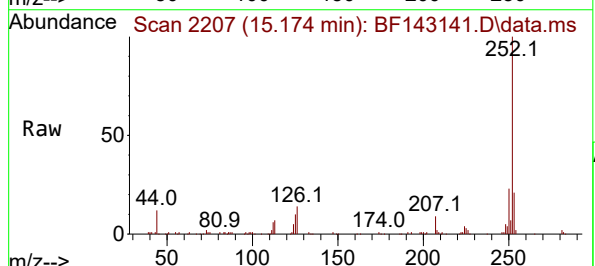
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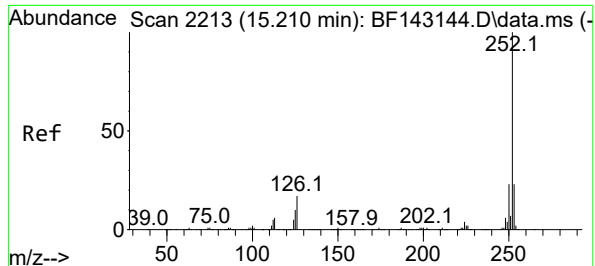
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#88
Benzo(b)fluoranthene
Concen: 5.037 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:252 Resp: 78749
Ion Ratio Lower Upper
252 100
253 21.1 17.5 26.3
125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 5.358 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:252 Resp: 74738

Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.6

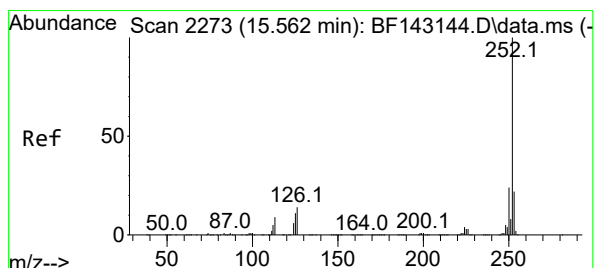
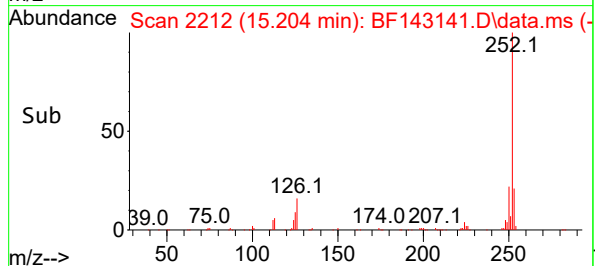
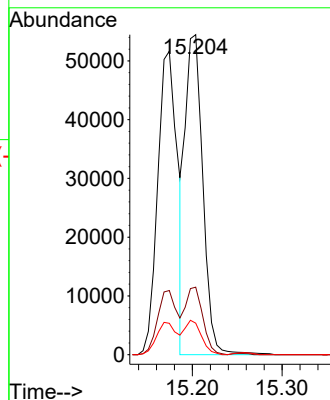
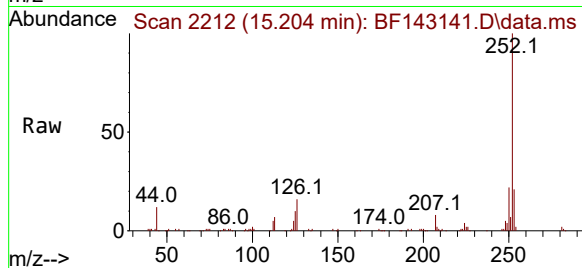
125 9.9 8.1 12.1

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 5.012 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

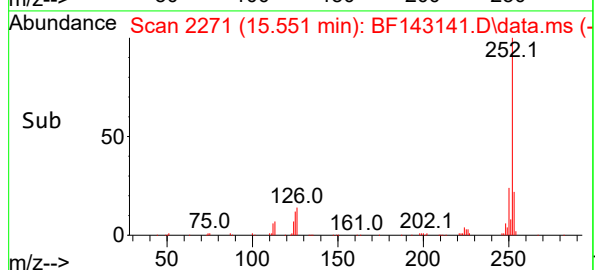
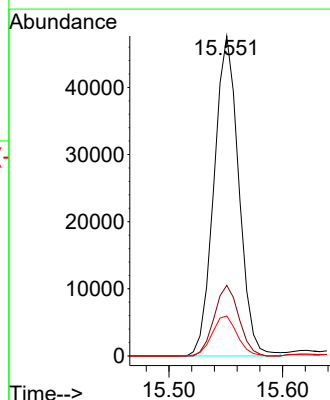
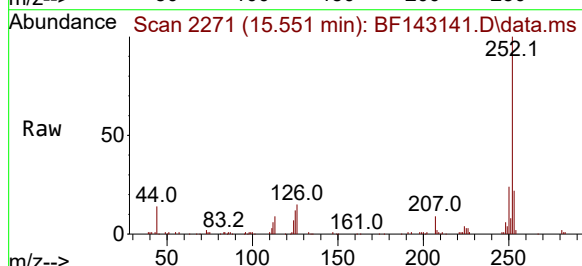
Tgt Ion:252 Resp: 72196

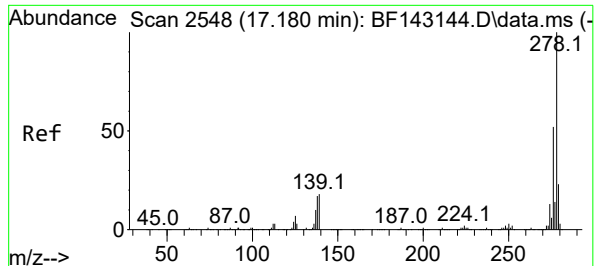
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 12.5 8.6 13.0





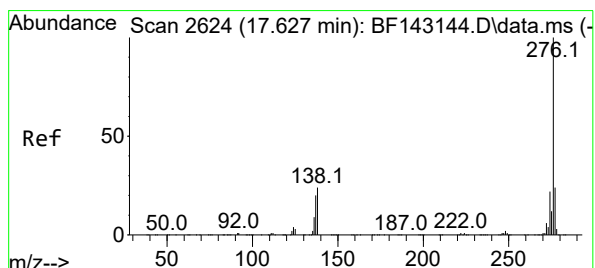
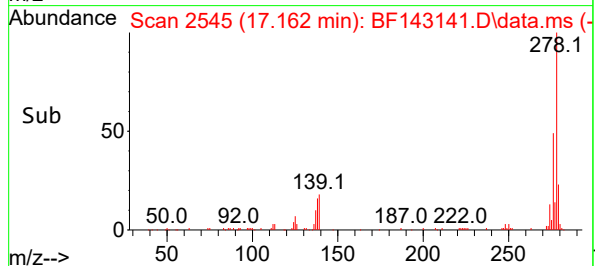
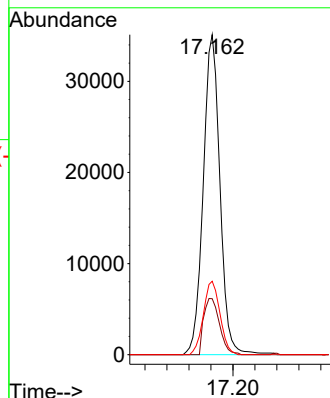
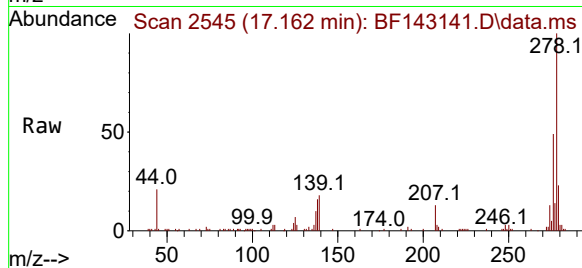
#91
Dibenzo(a,h)anthracene
Concen: 5.047 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 74120
Ion Ratio Lower Upper
278 100
139 17.5 14.1 21.1
279 22.9 18.6 28.0

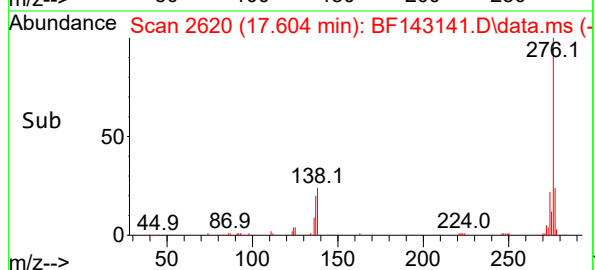
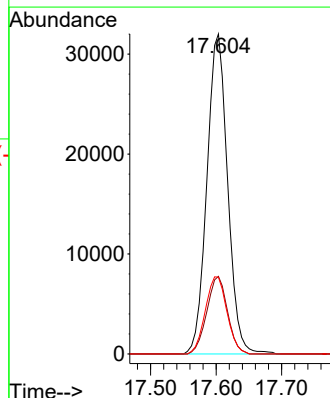
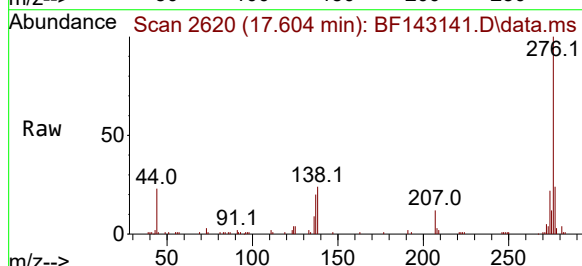
Manual Integrations
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Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 4.955 ng
RT: 17.604 min Scan# 2620
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:276 Resp: 70403
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 24.0 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143142.D
 Acq On : 17 Jul 2025 12:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:01:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	140410	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	545730	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	282580	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	461255	20.000	ng	0.00
76) Chrysene-d12	14.116	240	254650	20.000	ng	0.00
86) Perylene-d12	15.621	264	273706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	184363	20.778	ng	0.00
7) Phenol-d6	6.569	99	230206	20.613	ng	-0.02
23) Nitrobenzene-d5	7.510	82	215086m	19.646	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	56961	19.512	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	464669	22.489	ng	0.00
79) Terphenyl-d14	13.063	244	370808	21.669	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	40860	9.732	ng	98
3) Pyridine	3.587	79	109317	10.032	ng	100
4) n-Nitrosodimethylamine	3.510	42	54487	9.684	ng	98
6) Aniline	6.616	93	158580	10.188	ng	99
8) 2-Chlorophenol	6.740	128	94265	10.135	ng	98
9) Benzaldehyde	6.510	77	81897	9.779	ng	100
10) Phenol	6.587	94	124080m	10.198	ng	
11) bis(2-Chloroethyl)ether	6.687	93	94260	10.119	ng	99
12) 1,3-Dichlorobenzene	6.904	146	106226	10.514	ng	97
13) 1,4-Dichlorobenzene	6.981	146	106581	10.475	ng	99
14) 1,2-Dichlorobenzene	7.134	146	99226	10.253	ng	99
15) Benzyl Alcohol	7.087	79	85240	9.996	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	179226	10.371	ng	99
17) 2-Methylphenol	7.198	107	78001	9.974	ng	99
18) Hexachloroethane	7.481	117	34985	9.932	ng	99
19) n-Nitroso-di-n-propyla...	7.357	70	73815	10.302	ng	97
20) 3+4-Methylphenols	7.345	107	103018	10.858	ng	91
22) Acetophenone	7.357	105	137532	10.645	ng	# 98
24) Nitrobenzene	7.534	77	100837	9.879	ng	98
25) Isophorone	7.769	82	192895	9.981	ng	100
26) 2-Nitrophenol	7.851	139	38451	8.680	ng	96
27) 2,4-Dimethylphenol	7.881	122	92724	10.269	ng	98
28) bis(2-Chloroethoxy)met...	7.981	93	119320	10.297	ng	98
29) 2,4-Dichlorophenol	8.087	162	76847	10.091	ng	98
30) 1,2,4-Trichlorobenzene	8.181	180	83842	10.191	ng	100
31) Naphthalene	8.263	128	283107	10.534	ng	99
32) Benzoic acid	7.928	122	28431m	10.113	ng	
33) 4-Chloroaniline	8.304	127	113797	10.369	ng	100
34) Hexachlorobutadiene	8.386	225	51715	10.290	ng	99
35) Caprolactam	8.634	113	21157	9.194	ng	95
36) 4-Chloro-3-methylphenol	8.775	107	84647	10.227	ng	98
37) 2-Methylnaphthalene	8.951	142	172865	10.570	ng	100
38) 1-Methylnaphthalene	9.051	142	177917	10.564	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	84494	10.357	ng	99
41) Hexachlorocyclopentadiene	9.116	237	47577	8.963	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	57396	10.165	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143142.D
 Acq On : 17 Jul 2025 12:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
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Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:01:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.257	196	54716	9.688	ng	97
46) 1,1'-Biphenyl	9.416	154	235467	10.680	ng	100
47) 2-Chloronaphthalene	9.439	162	172831	10.595	ng	98
48) 2-Nitroaniline	9.528	65	47055	9.198	ng	99
49) Acenaphthylene	9.857	152	289989	10.607	ng	98
50) Dimethylphthalate	9.704	163	189399	10.283	ng	99
51) 2,6-Dinitrotoluene	9.763	165	35364	9.438	ng	93
52) Acenaphthene	10.028	154	168698	10.440	ng	99
53) 3-Nitroaniline	9.933	138	42367	9.667	ng	97
54) 2,4-Dinitrophenol	10.033	184	7147	10.522	ng #	1
55) Dibenzofuran	10.198	168	255272	10.641	ng	99
56) 4-Nitrophenol	10.075	139	28233	8.627	ng	98
57) 2,4-Dinitrotoluene	10.169	165	41815	8.895	ng	98
58) Fluorene	10.545	166	198041	10.999	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	46720	9.986	ng	99
60) Diethylphthalate	10.410	149	186802	10.261	ng	99
61) 4-Chlorophenyl-phenyle...	10.533	204	94685	10.561	ng	97
62) 4-Nitroaniline	10.539	138	35962	9.574	ng	98
63) Azobenzene	10.692	77	197998	10.435	ng	99
65) 4,6-Dinitro-2-methylph...	10.575	198	12541	10.014	ng	94
66) n-Nitrosodiphenylamine	10.645	169	167901	10.337	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	54849	9.978	ng	97
68) Hexachlorobenzene	11.092	284	57305	9.974	ng	97
69) Atrazine	11.169	200	43045	9.613	ng	98
70) Pentachlorophenol	11.280	266	27529	8.148	ng	99
71) Phenanthrene	11.504	178	253750	10.361	ng	99
72) Anthracene	11.557	178	261960	10.487	ng	99
73) Carbazole	11.704	167	223376	10.241	ng	100
74) Di-n-butylphthalate	12.039	149	243142	9.852	ng	100
75) Fluoranthene	12.692	202	227701	10.129	ng	99
77) Benzidine	12.804	184	96484	9.834	ng	99
78) Pyrene	12.922	202	227008	10.445	ng	100
80) Butylbenzylphthalate	13.539	149	60055	9.024	ng	98
81) Benzo(a)anthracene	14.110	228	174020	10.207	ng	99
82) 3,3'-Dichlorobenzidine	14.063	252	55694	9.802	ng	97
83) Chrysene	14.145	228	149446	9.750	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	96191	9.549	ng	97
85) Di-n-octyl phthalate	14.710	149	162156	8.881	ng	99
87) Indeno(1,2,3-cd)pyrene	17.145	276	182869	9.475	ng	99
88) Benzo(b)fluoranthene	15.174	252	155430	9.296	ng	99
89) Benzo(k)fluoranthene	15.204	252	157663	10.567	ng	100
90) Benzo(a)pyrene	15.551	252	150853	9.792	ng	99
91) Dibenzo(a,h)anthracene	17.162	278	150977	9.611	ng	100
92) Benzo(g,h,i)perylene	17.609	276	143342	9.433	ng	99

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

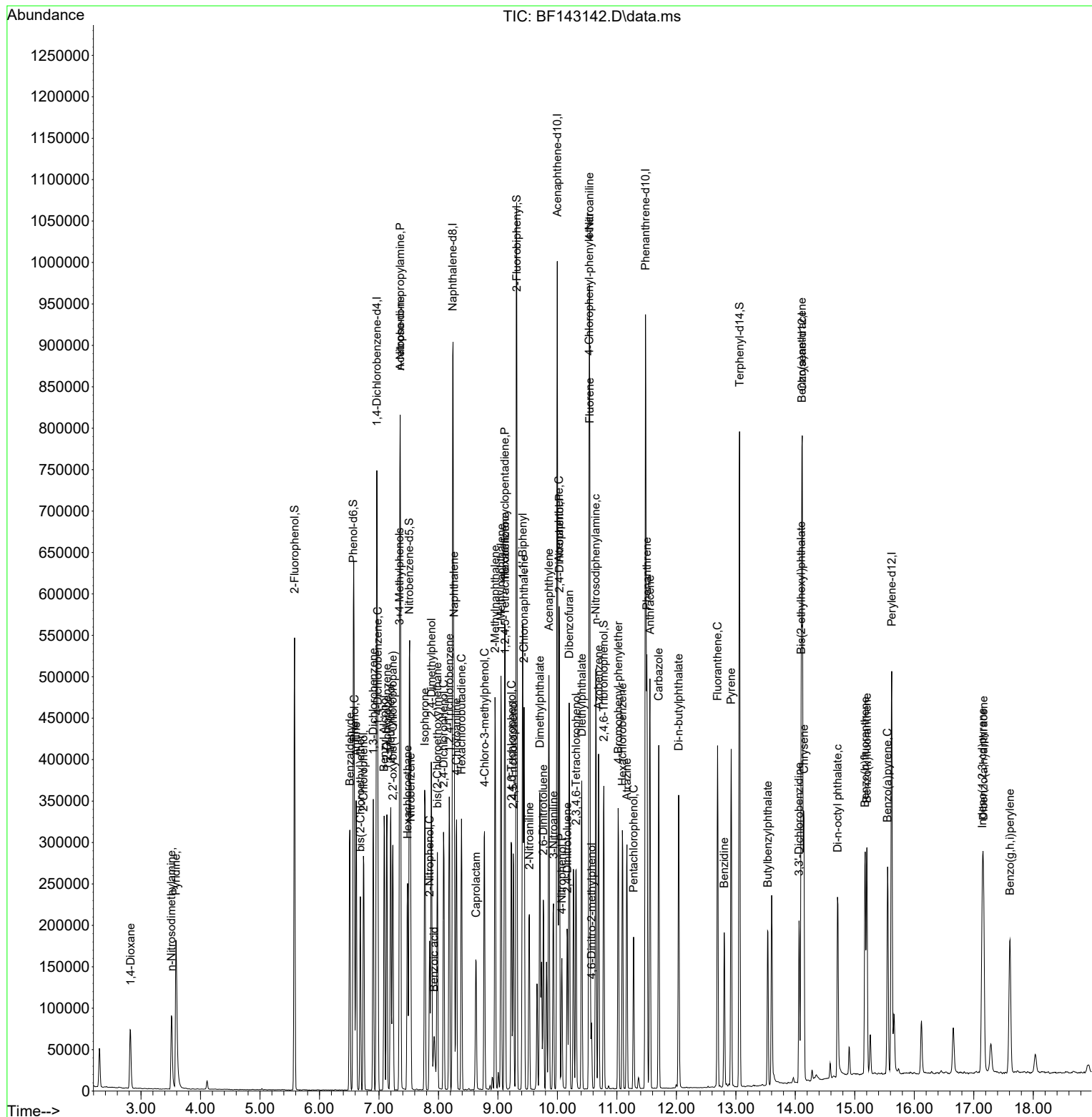
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143142.D
 Acq On : 17 Jul 2025 12:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

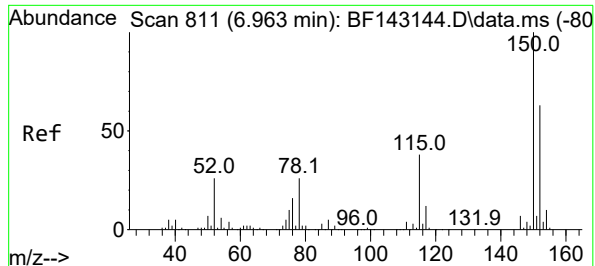
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

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Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

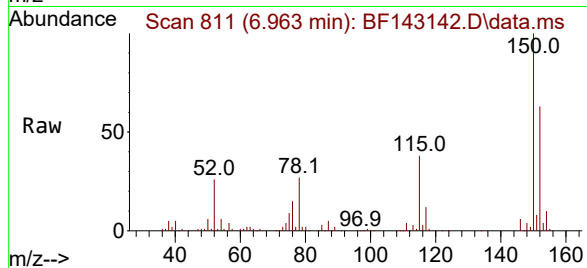
Quant Time: Jul 17 15:01:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

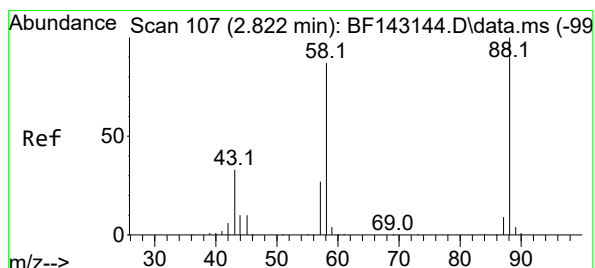
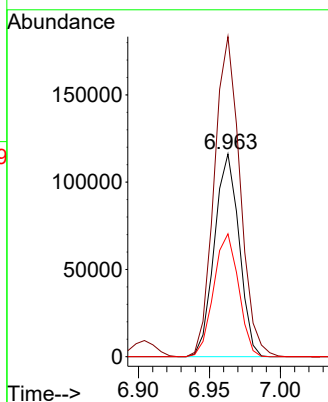
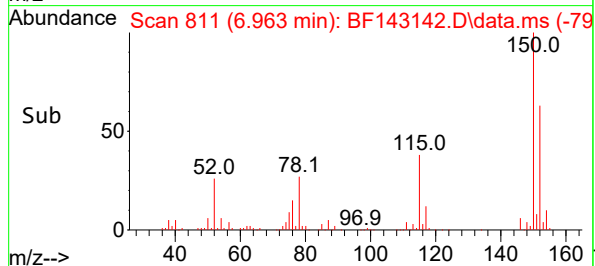
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 140410
Ion Ratio Lower Upper
152 100
150 157.8 128.2 192.4
115 60.6 47.9 71.9

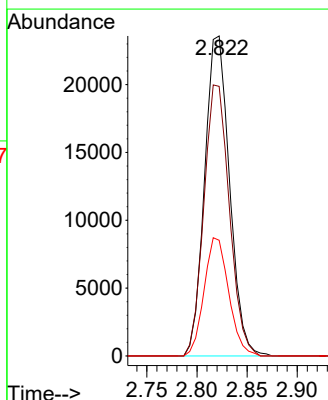
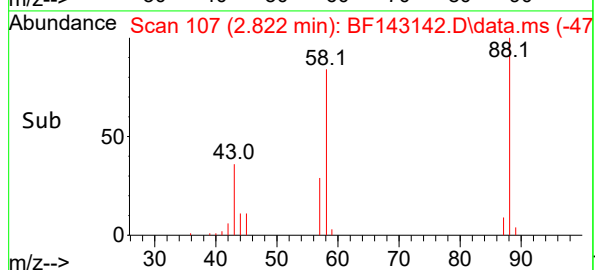
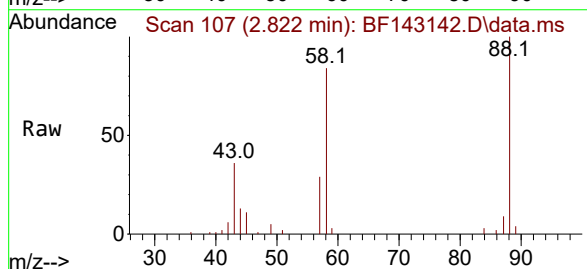
Manual Integrations
APPROVED

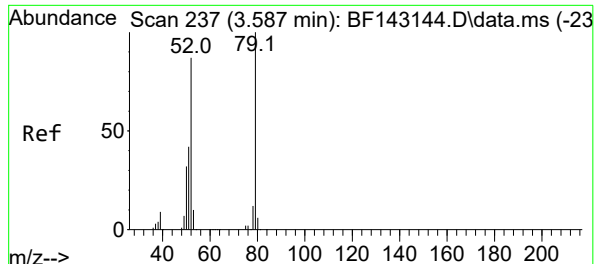
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 9.732 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 88 Resp: 40860
Ion Ratio Lower Upper
88 100
58 86.6 70.2 105.2
43 36.5 27.1 40.7





#3

Pyridine

Concen: 10.032 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 10931

Ion Ratio Lower Upper

79 100

52 86.3 69.4 104.2

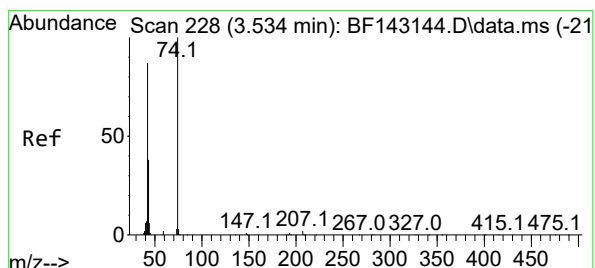
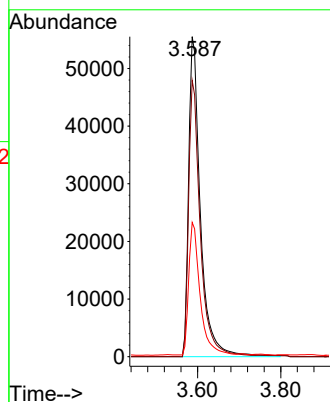
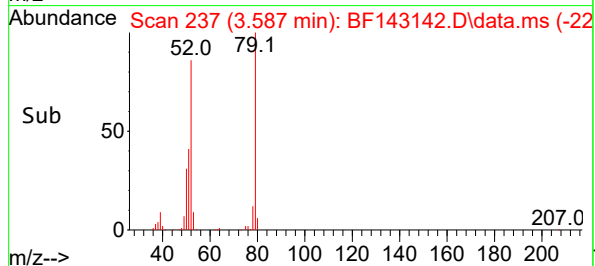
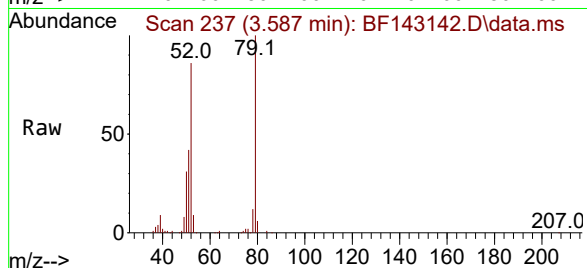
51 42.0 33.5 50.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#4

n-Nitrosodimethylamine

Concen: 9.684 ng

RT: 3.510 min Scan# 224

Delta R.T. -0.023 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

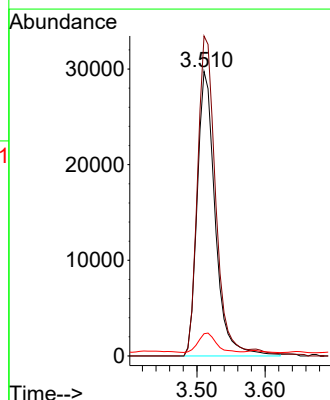
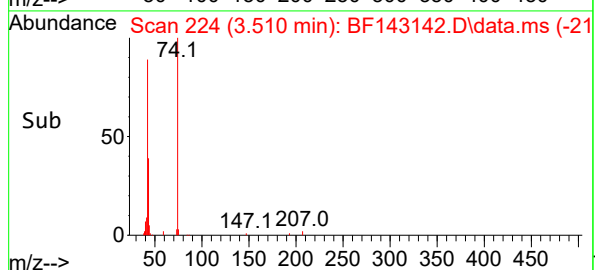
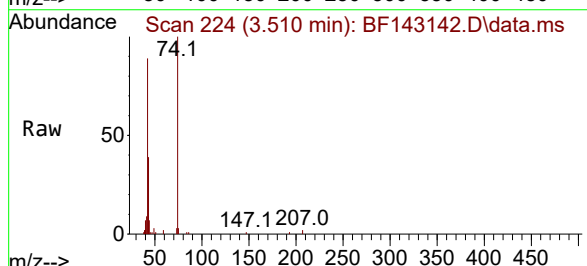
Tgt Ion: 42 Resp: 54487

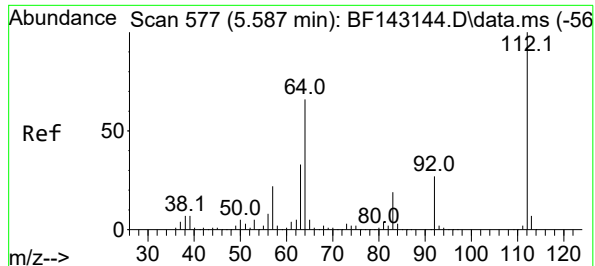
Ion Ratio Lower Upper

42 100

74 112.5 91.7 137.5

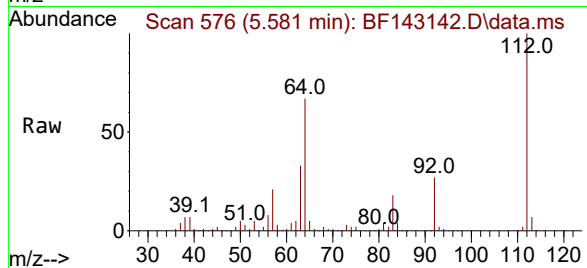
44 7.8 5.6 8.4





#5
2-Fluorophenol
Concen: 20.778 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

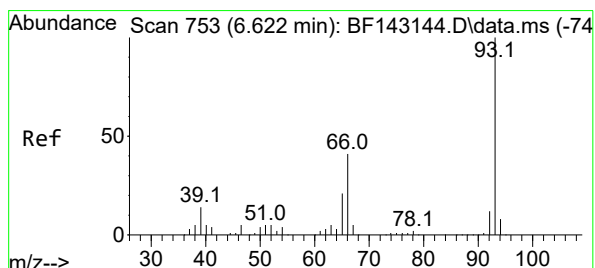
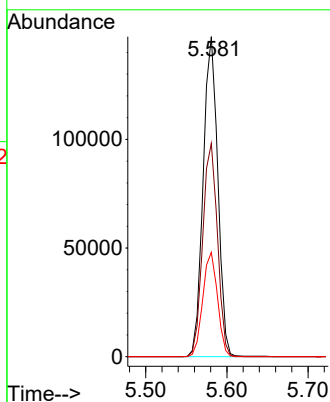
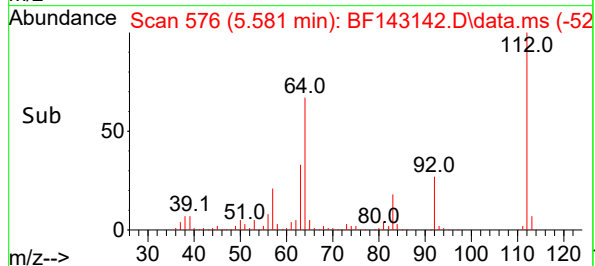
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:112 Resp: 18436
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 32.6 26.6 40.0

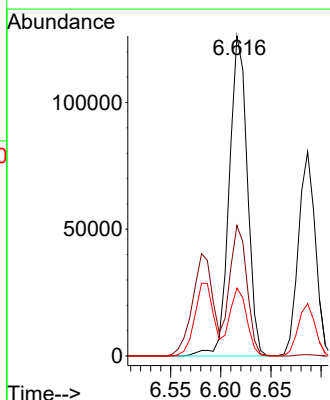
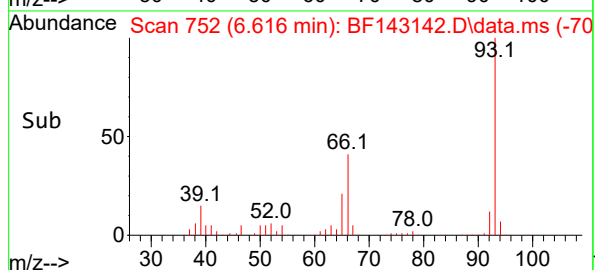
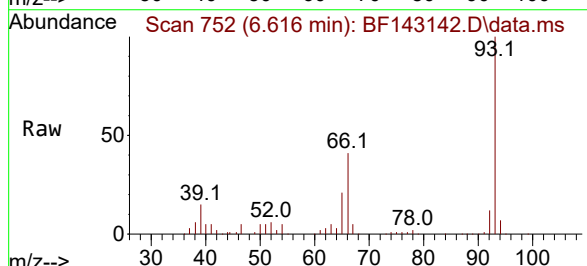
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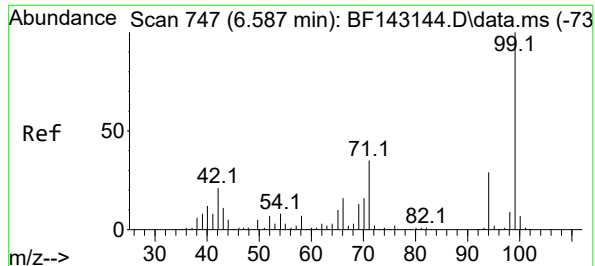
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 10.188 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

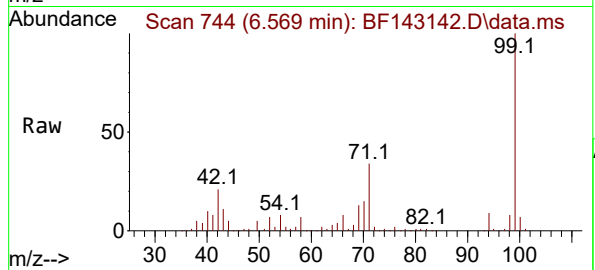
Tgt Ion: 93 Resp: 158580
Ion Ratio Lower Upper
93 100
66 40.8 33.2 49.8
65 21.2 16.9 25.3





#7
Phenol-d6
Concen: 20.613 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

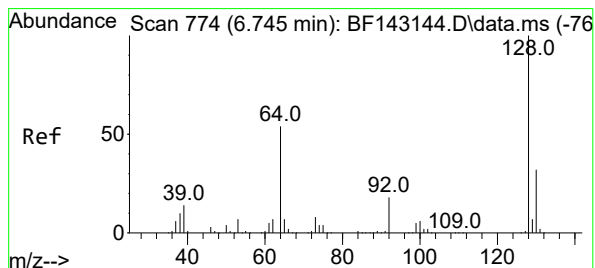
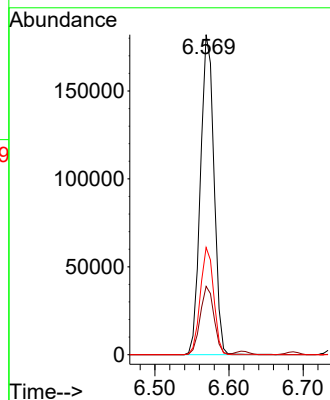
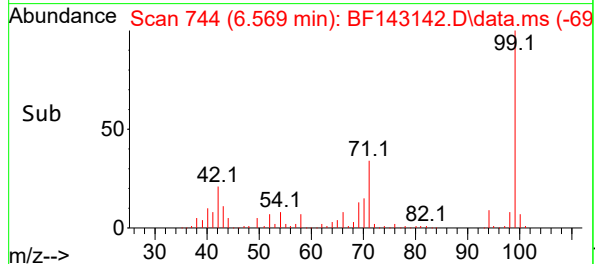
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 99 Resp: 230200
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 33.5 27.7 41.5

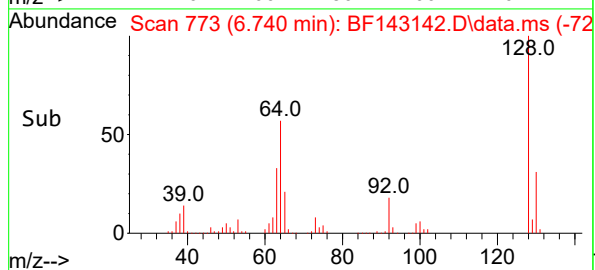
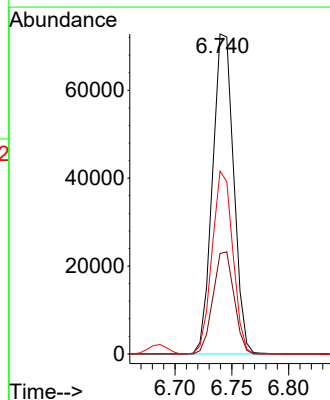
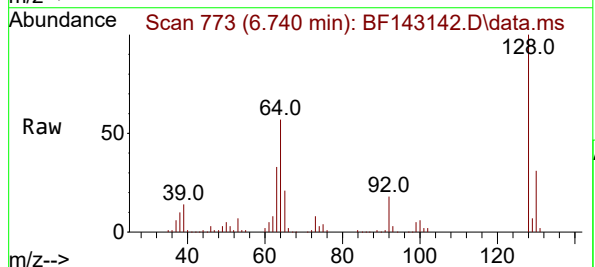
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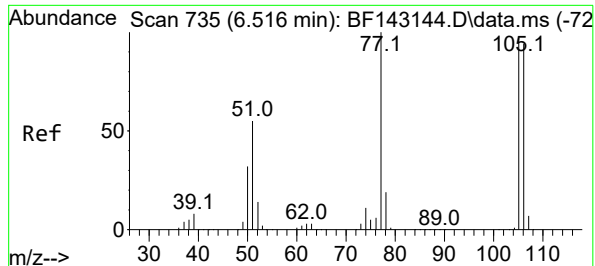
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#8
2-Chlorophenol
Concen: 10.135 ng
RT: 6.740 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:128 Resp: 94265
Ion Ratio Lower Upper
128 100
130 31.4 12.3 52.3
64 57.1 35.9 75.9





#9

Benzaldehyde

Concen: 9.779 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 77 Resp: 8189

Ion Ratio Lower Upper

77 100

105 96.9 76.8 116.8

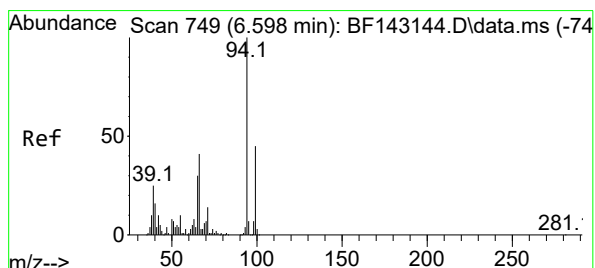
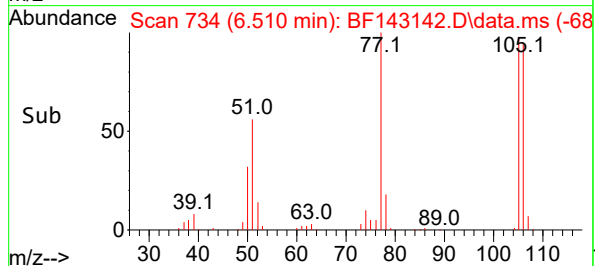
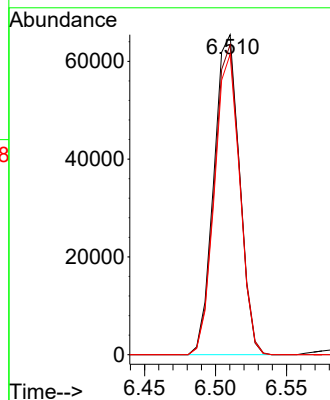
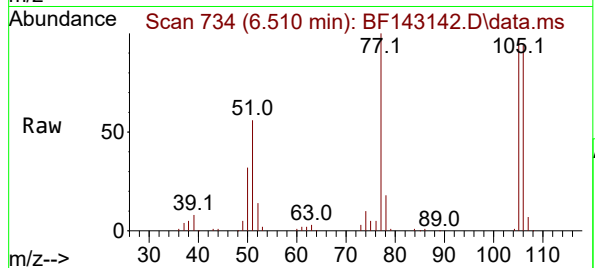
106 93.9 74.4 114.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#10

Phenol

Concen: 10.198 ng m

RT: 6.587 min Scan# 747

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

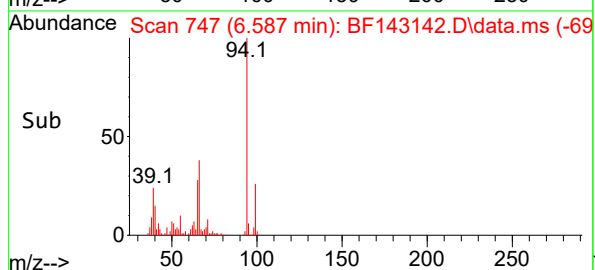
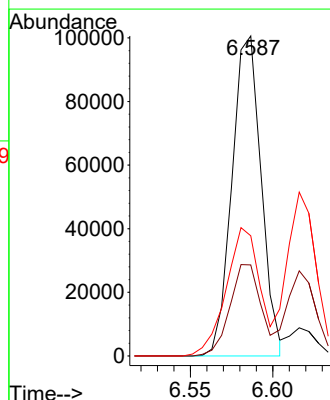
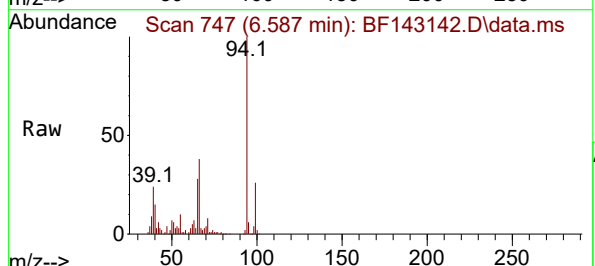
Tgt Ion: 94 Resp: 124080

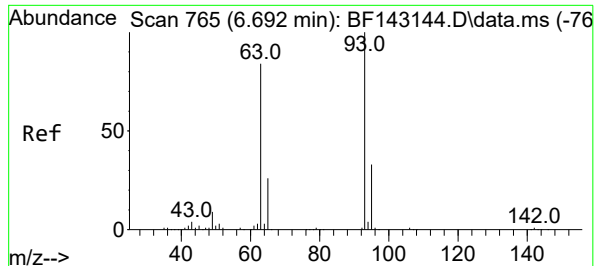
Ion Ratio Lower Upper

94 100

65 28.4 10.0 50.0

66 37.5 20.8 60.8





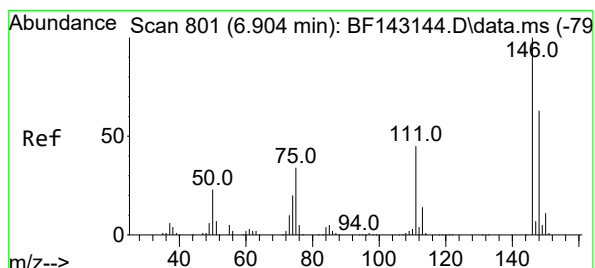
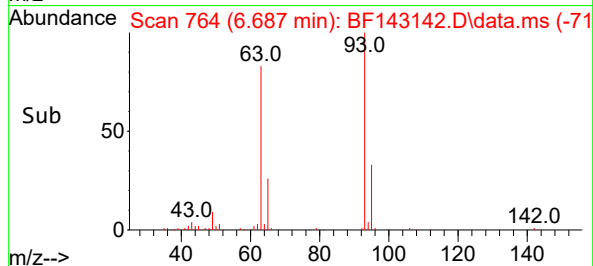
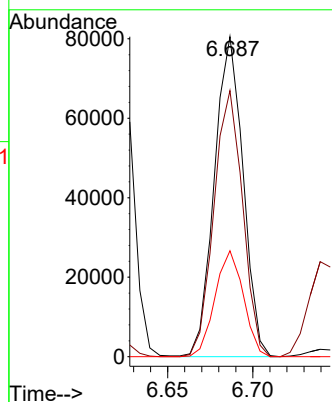
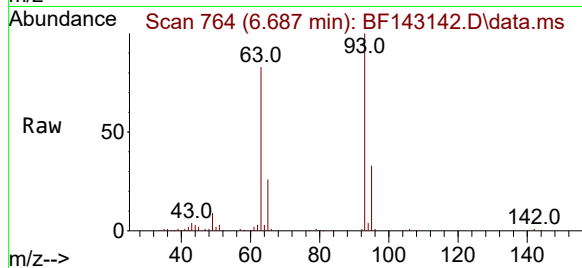
#11
bis(2-Chloroethyl)ether
Concen: 10.119 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 94260
Ion Ratio Lower Upper
93 100
63 83.2 63.4 103.4
95 33.1 12.4 52.4

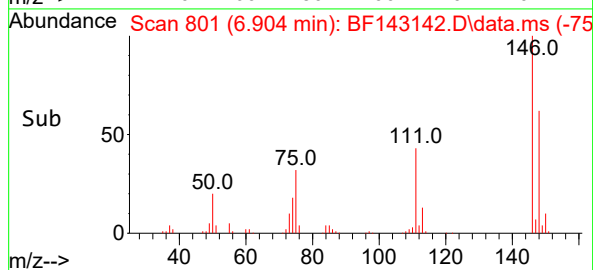
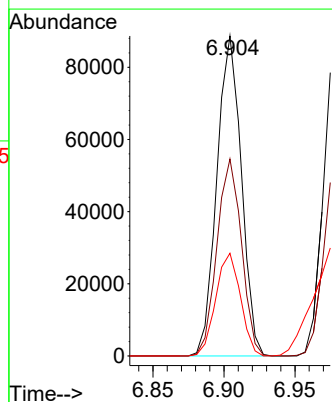
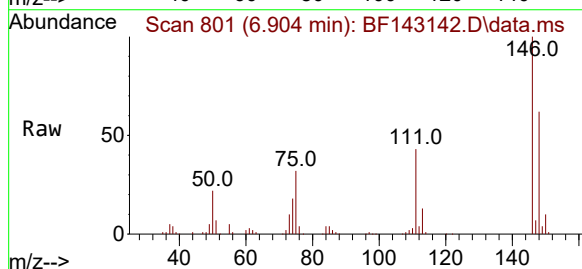
Manual Integrations
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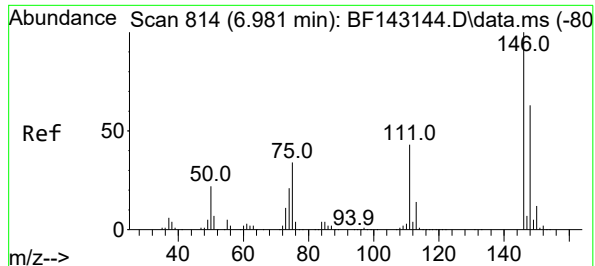
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 10.514 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:146 Resp: 106226
Ion Ratio Lower Upper
146 100
148 61.6 50.6 76.0
75 32.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 10.475 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 10658

Ion Ratio Lower Upper

146 100

148 61.9 50.3 75.5

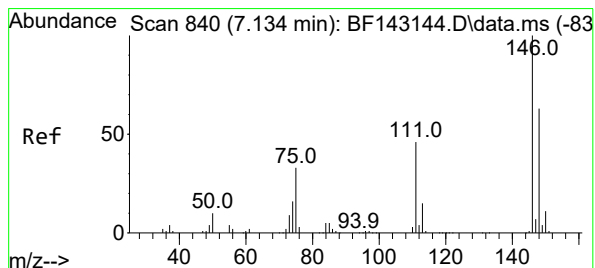
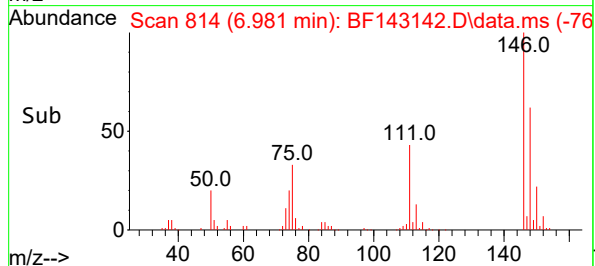
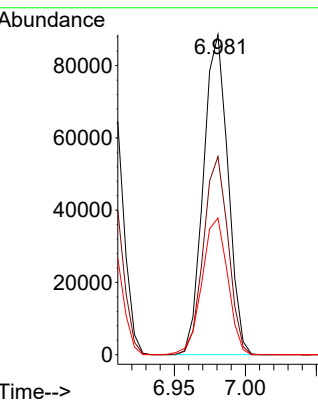
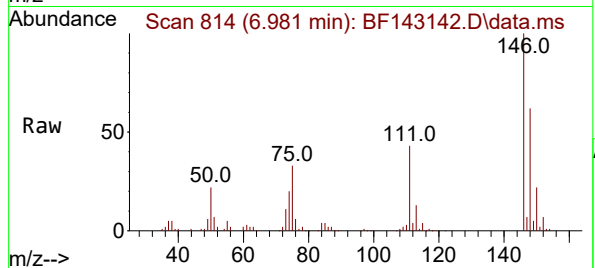
111 42.7 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 10.253 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

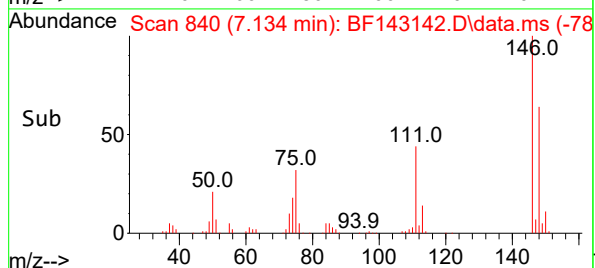
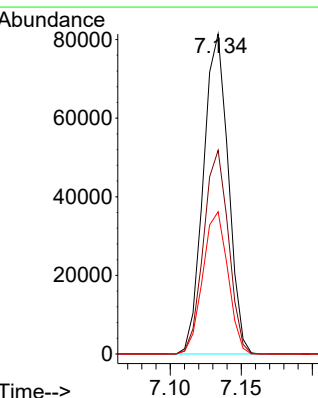
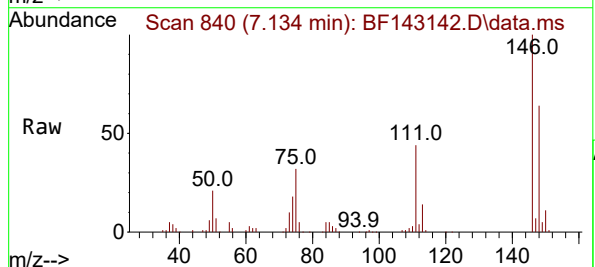
Tgt Ion:146 Resp: 99226

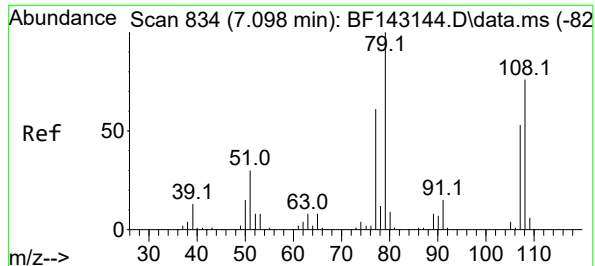
Ion Ratio Lower Upper

146 100

148 63.6 50.7 76.1

111 44.5 36.6 54.8





#15

Benzyl Alcohol

Concen: 9.996 ng

RT: 7.087 min Scan# 834

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 85240

Ion Ratio Lower Upper

79 100

108 74.6 61.1 91.7

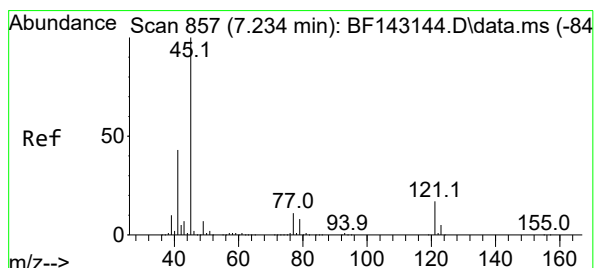
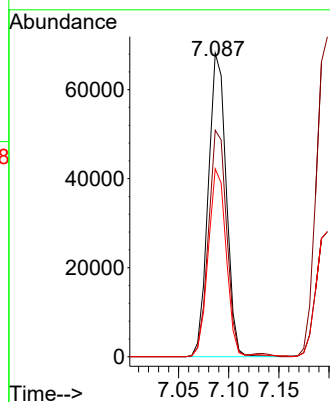
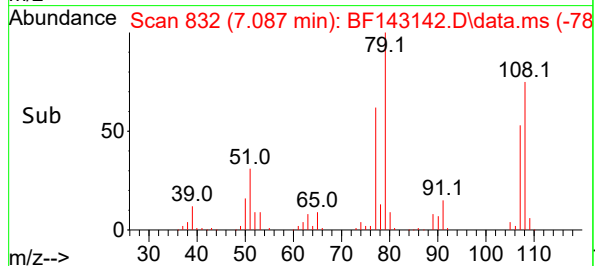
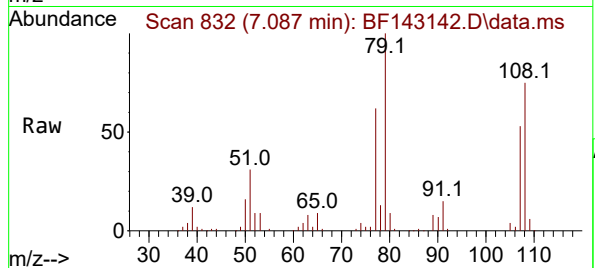
77 61.9 48.9 73.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.371 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

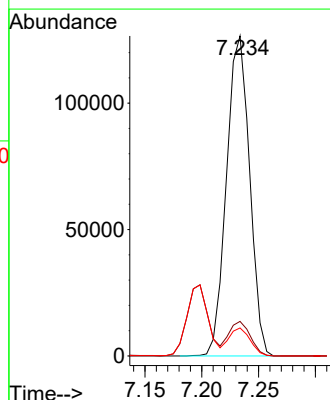
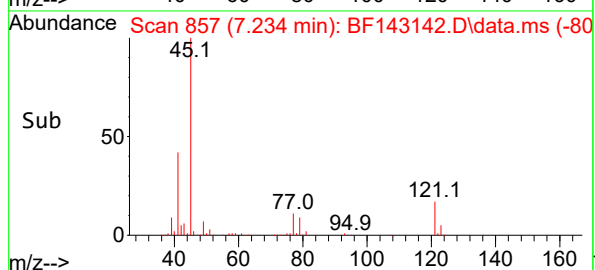
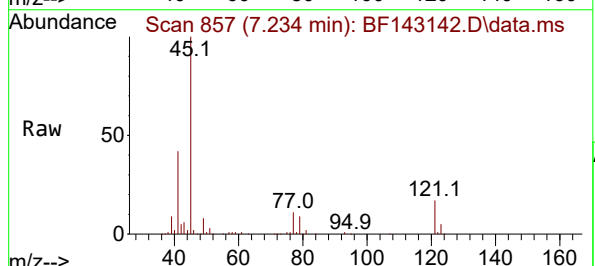
Tgt Ion: 45 Resp: 179226

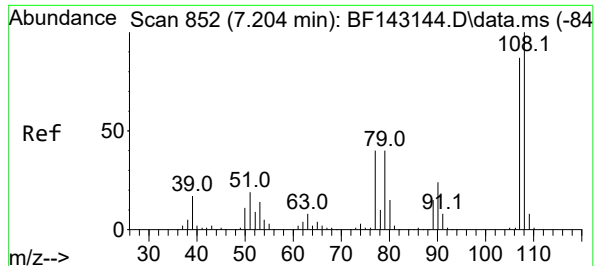
Ion Ratio Lower Upper

45 100

77 10.8 0.0 31.2

79 8.7 0.0 28.5





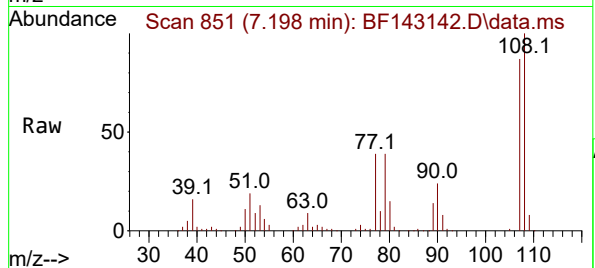
#17
2-Methylphenol
Concen: 9.974 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

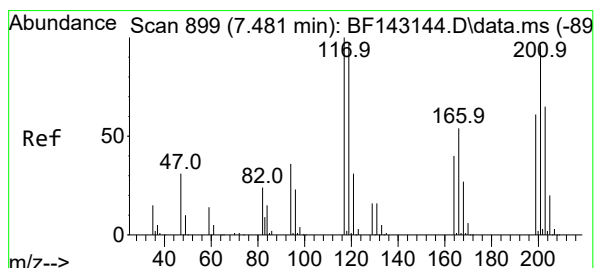
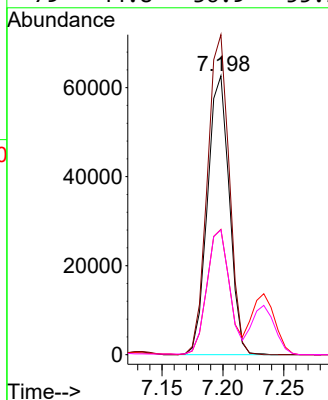
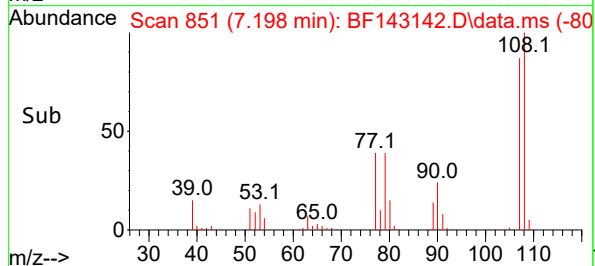


Tgt Ion:107 Resp: 7800
Ion Ratio Lower Upper
107 100
108 114.8 91.8 137.6
77 45.0 37.0 55.6
79 44.8 36.9 55.3

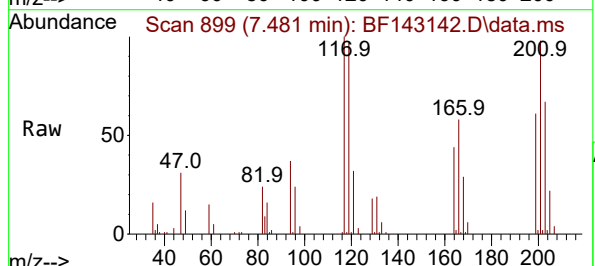
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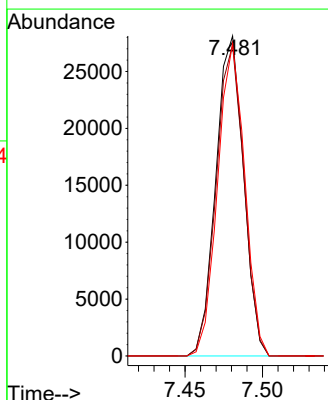
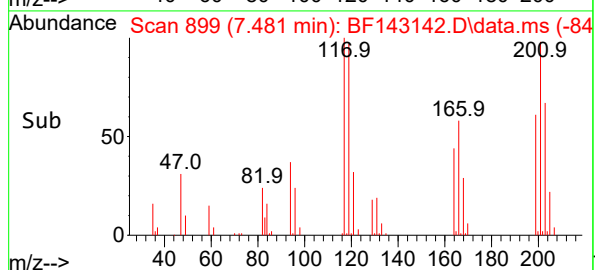
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

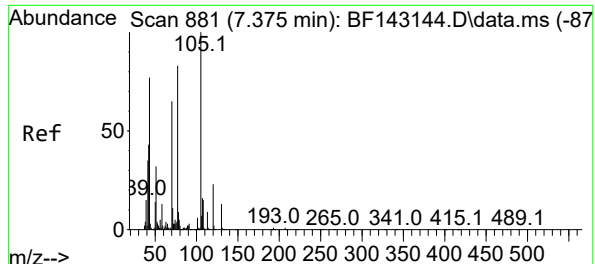


#18
Hexachloroethane
Concen: 9.932 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



Tgt Ion:117 Resp: 34985
Ion Ratio Lower Upper
117 100
119 97.2 77.8 116.8
201 97.7 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 10.302 ng

RT: 7.357 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 7381

Ion Ratio Lower Upper

70 100

42 69.4 52.5 78.7

101 9.6 7.6 11.4

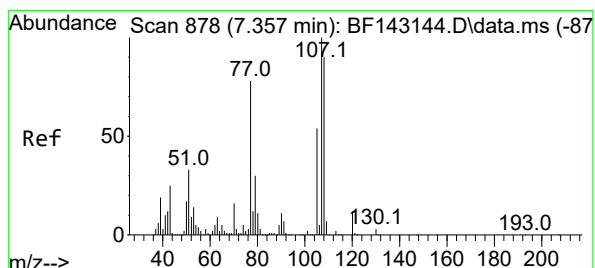
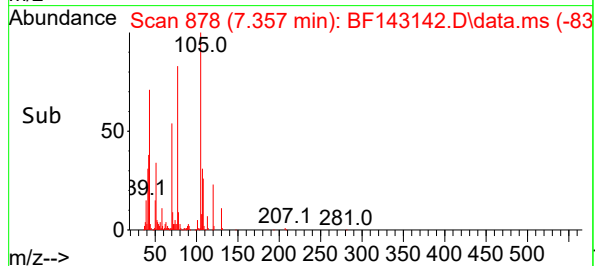
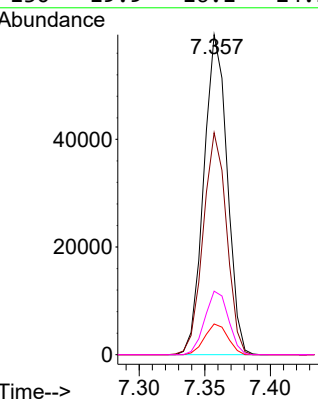
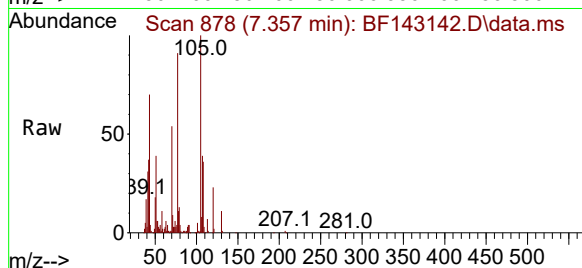
130 19.9 16.1 24.1

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#20

3+4-Methylphenols

Concen: 10.858 ng

RT: 7.345 min Scan# 876

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Tgt Ion:107 Resp: 103018

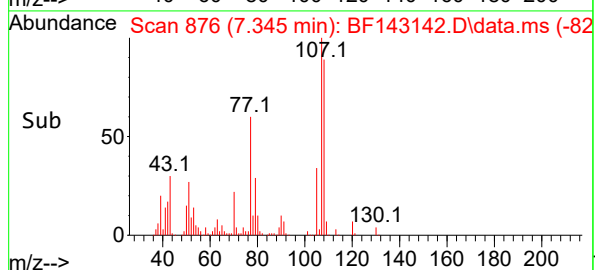
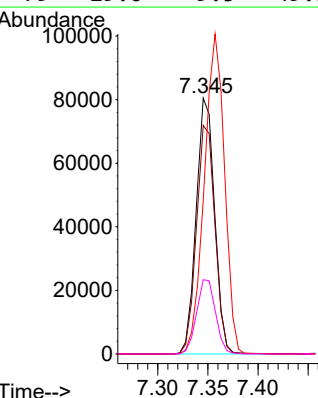
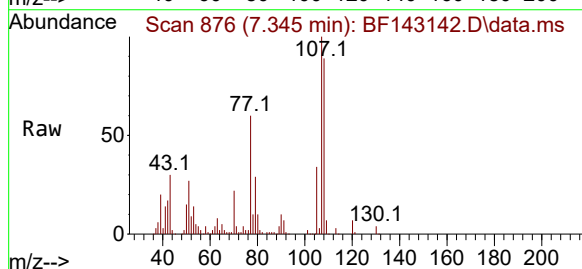
Ion Ratio Lower Upper

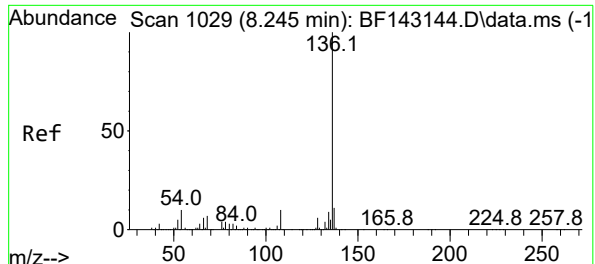
107 100

108 89.3 70.0 110.0

77 60.0 57.8 97.8

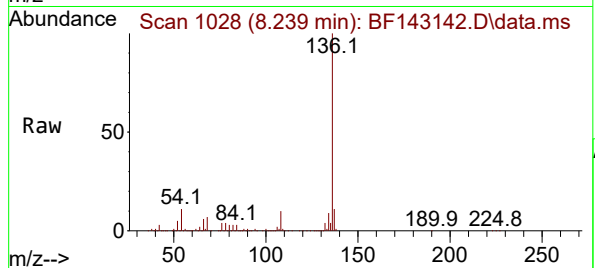
79 29.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

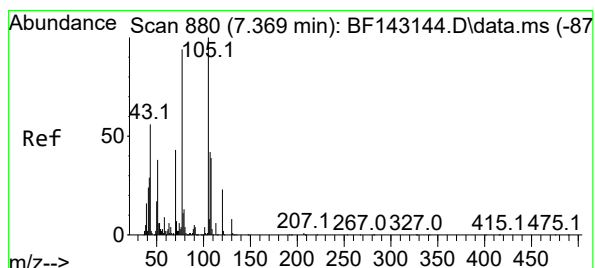
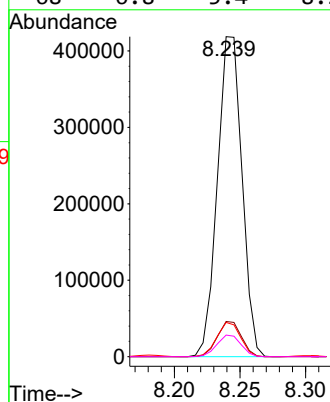
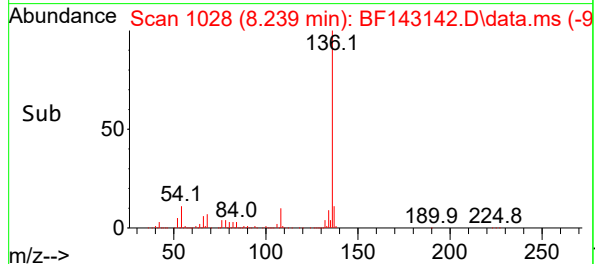
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:136 Resp: 545730
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.7 8.2 12.2
68 6.8 5.4 8.2

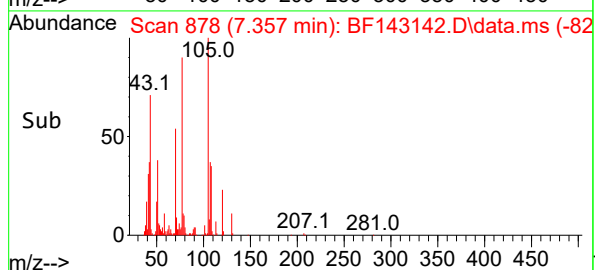
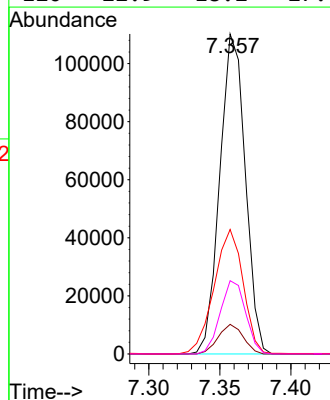
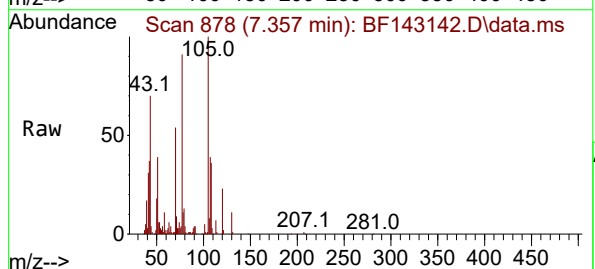
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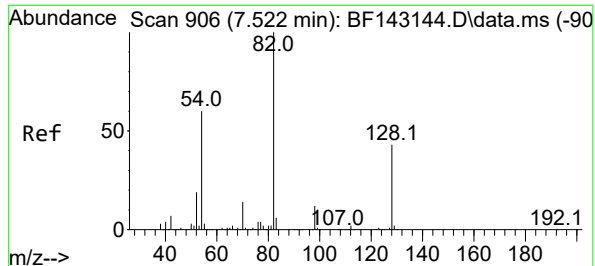
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 10.645 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:105 Resp: 137532
Ion Ratio Lower Upper
105 100
71 9.3 5.8 8.6#
51 38.9 30.2 45.2
120 22.9 18.2 27.4





#23

Nitrobenzene-d5

Concen: 19.646 ng m

RT: 7.510 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 215086

Ion Ratio Lower Upper

82 100

128 40.5 33.6 50.4

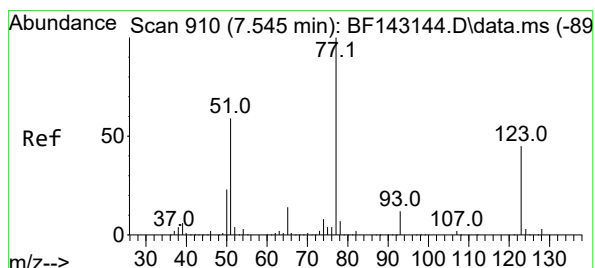
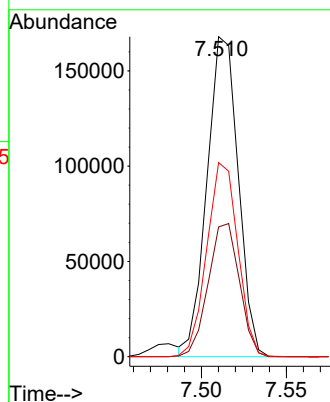
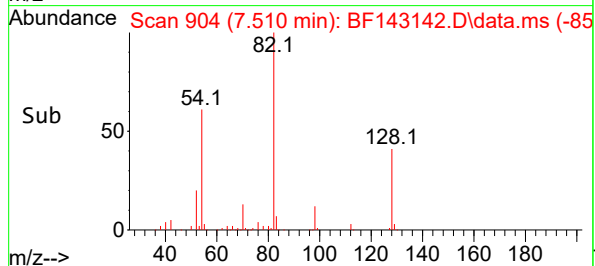
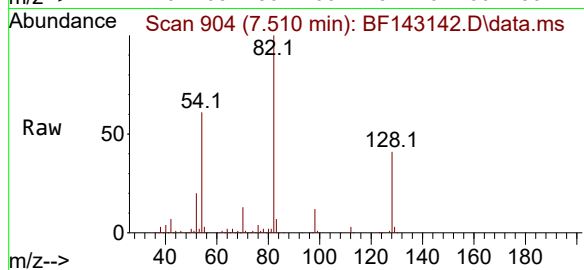
54 60.7 47.1 70.7

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Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 9.879 ng

RT: 7.534 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

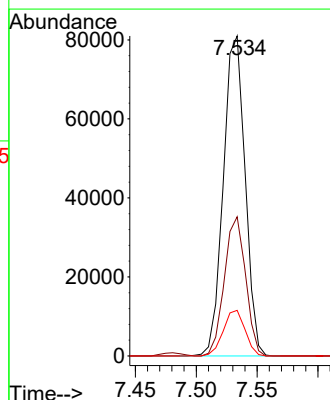
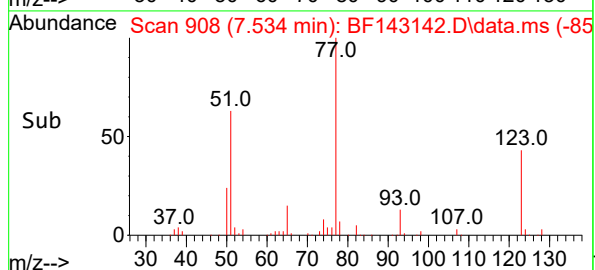
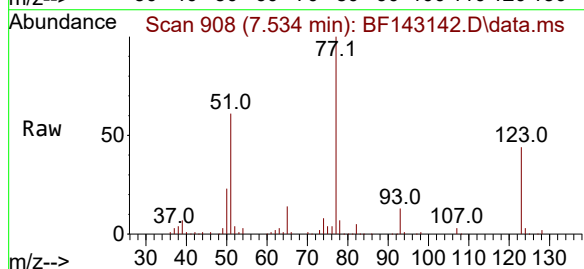
Tgt Ion: 77 Resp: 100837

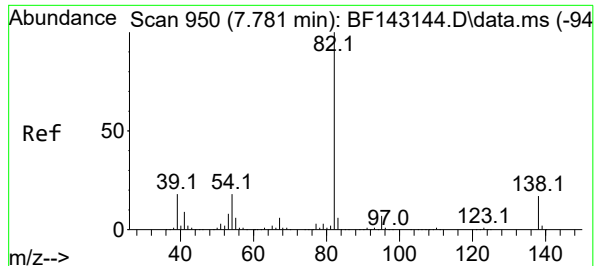
Ion Ratio Lower Upper

77 100

123 43.5 36.1 54.1

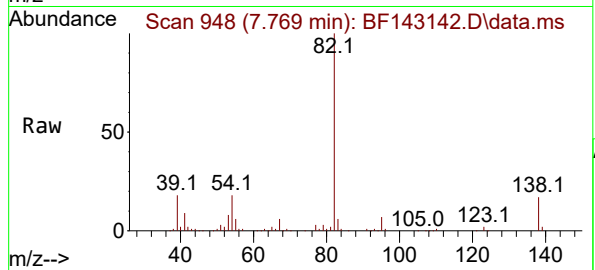
65 14.2 11.4 17.2





#25
Isophorone
Concen: 9.981 ng
RT: 7.769 min Scan# 948
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

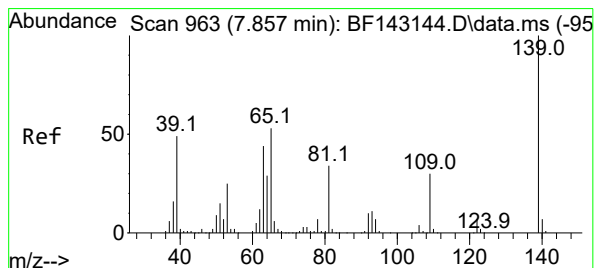
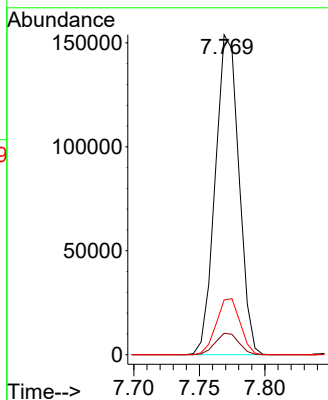
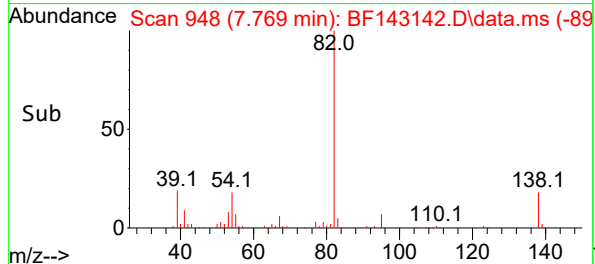
Instrument :
BNA_F
ClientSampleId :
SSTDIC010



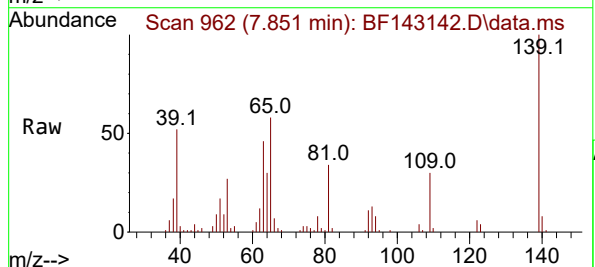
Tgt Ion: 82 Resp: 192895
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.1 13.8 20.8

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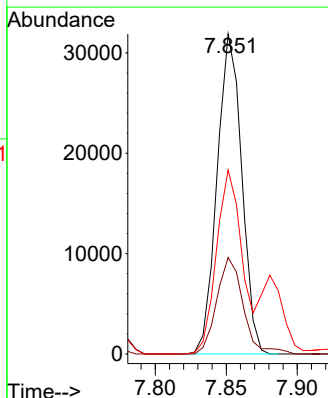
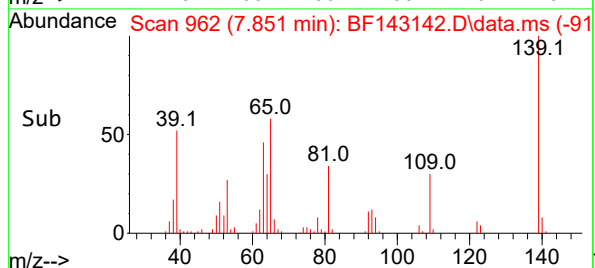
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

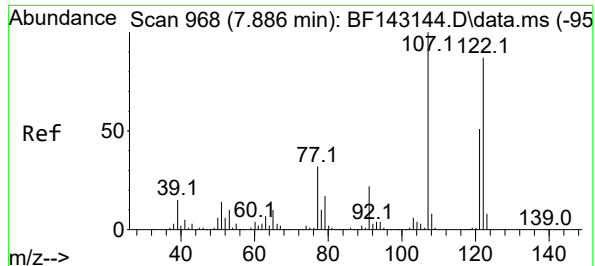


#26
2-Nitrophenol
Concen: 8.680 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



Tgt Ion:139 Resp: 38451
Ion Ratio Lower Upper
139 100
109 30.2 23.6 35.4
65 57.5 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 10.269 ng

RT: 7.881 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

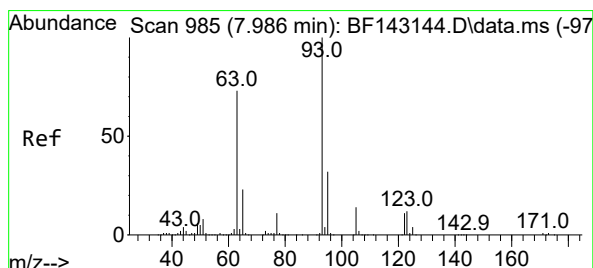
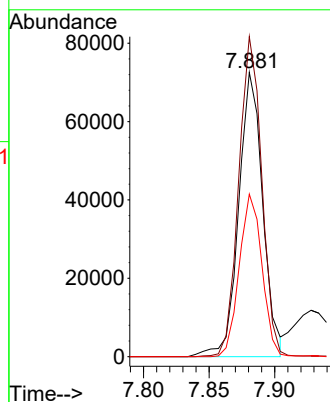
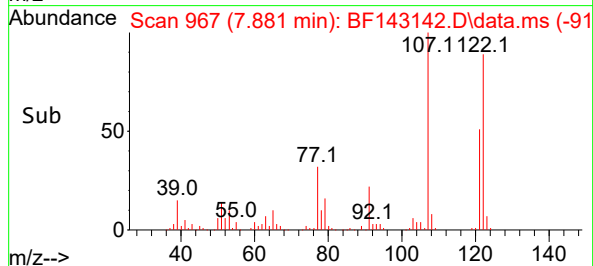
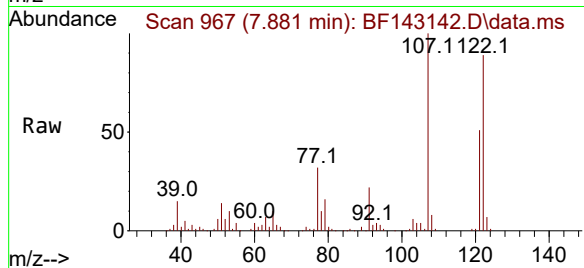
Tgt Ion:	122	Resp:	92724
Ion	Ratio	Lower	Upper
122	100		
107	112.6	91.8	137.6
121	57.2	46.3	69.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 10.297 ng

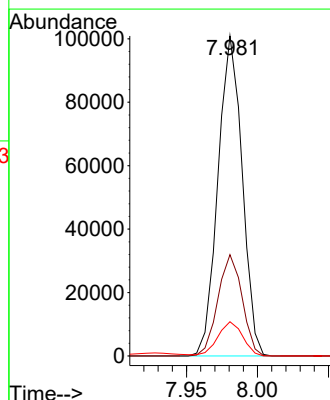
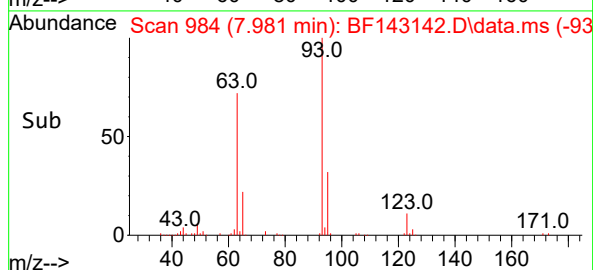
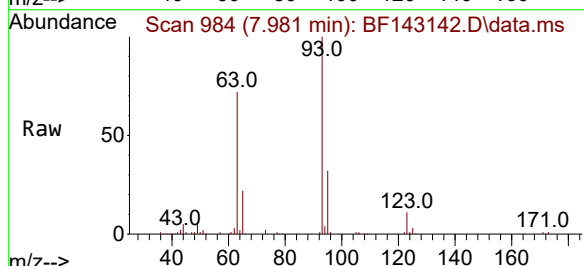
RT: 7.981 min Scan# 984

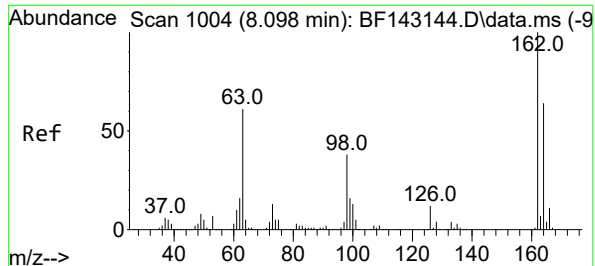
Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Tgt Ion:	93	Resp:	119320
Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.8	38.6
123	10.7	9.7	14.5





#29

2,4-Dichlorophenol

Concen: 10.091 ng

RT: 8.087 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

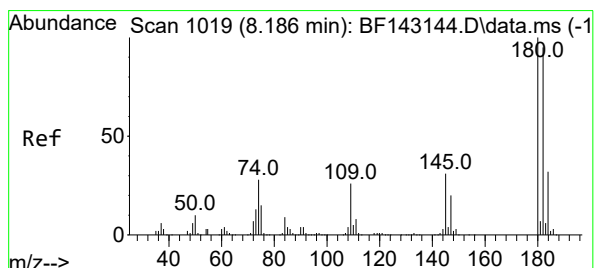
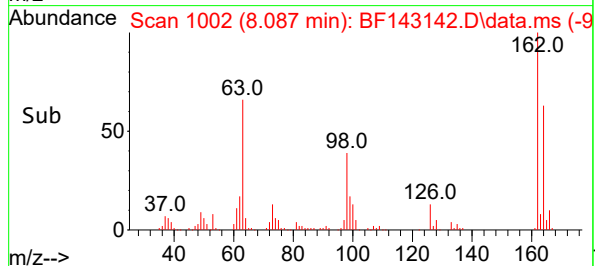
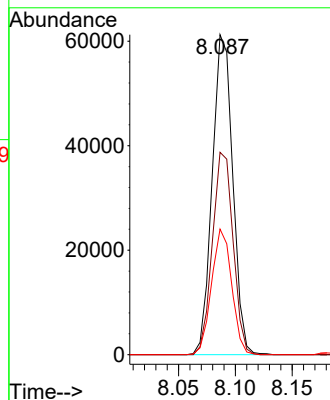
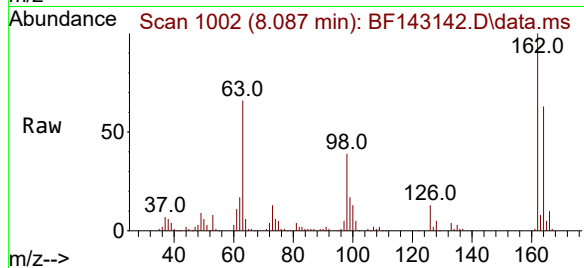
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.2	84.2
98	39.2	17.9	57.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.191 ng

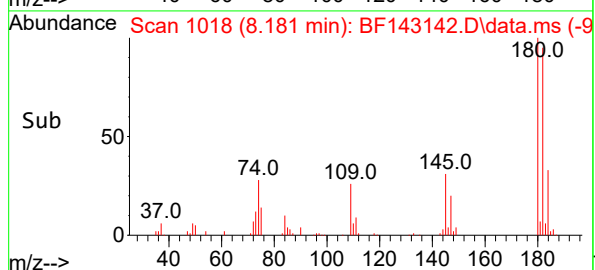
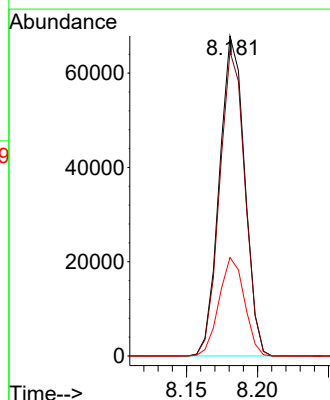
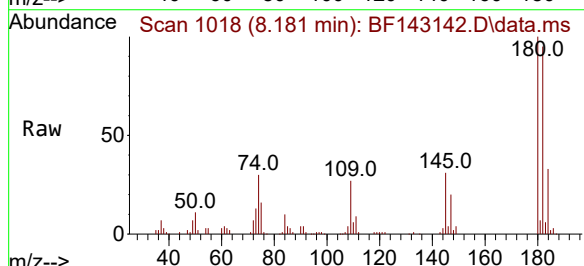
RT: 8.181 min Scan# 1018

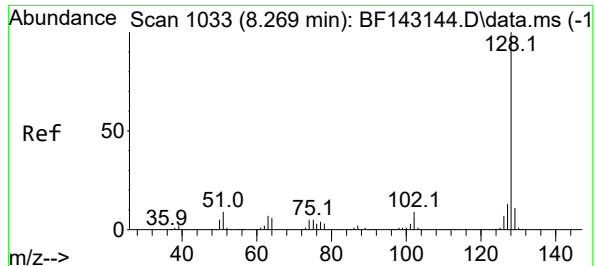
Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

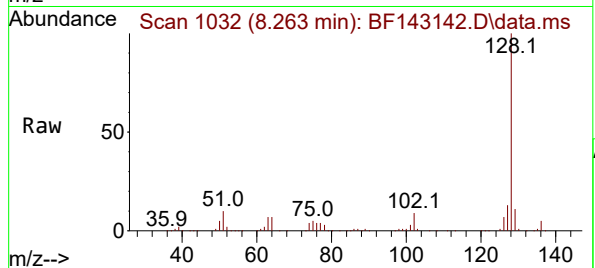
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	30.7	25.0	37.6





#31
Naphthalene
Concen: 10.534 ng
RT: 8.263 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

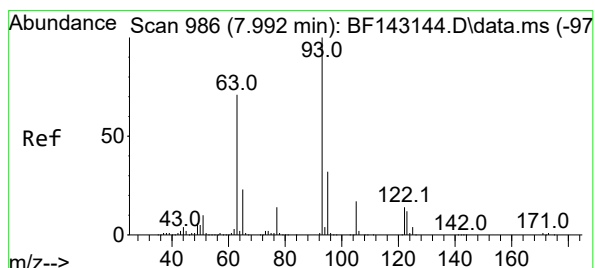
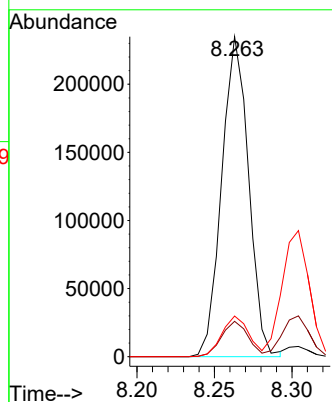
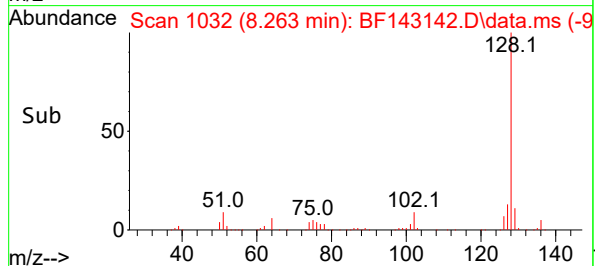
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:128 Resp: 28310
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.7 10.6 16.0

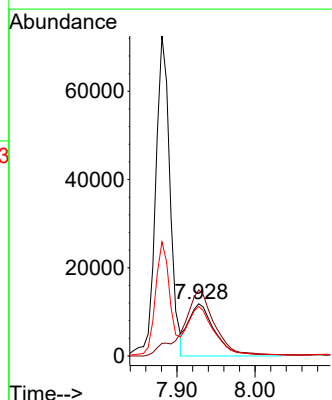
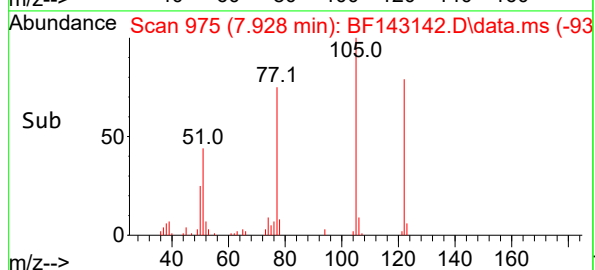
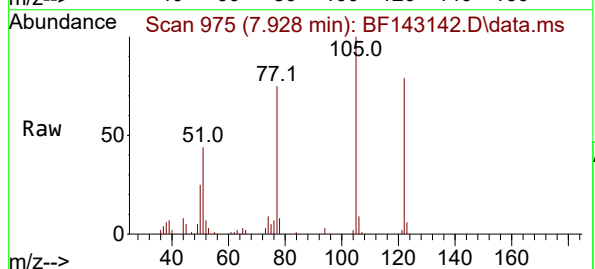
Manual Integrations
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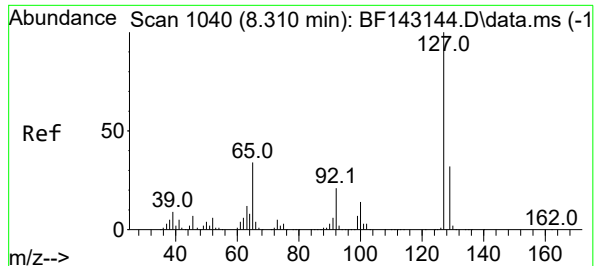
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 10.113 ng m
RT: 7.928 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

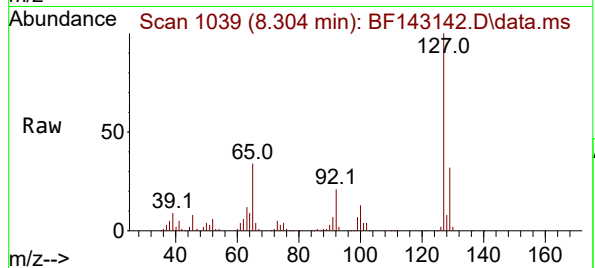
Tgt Ion:122 Resp: 28431
Ion Ratio Lower Upper
122 100
105 126.6 104.8 144.8
77 94.6 77.6 117.6





#33
4-Chloroaniline
Concen: 10.369 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

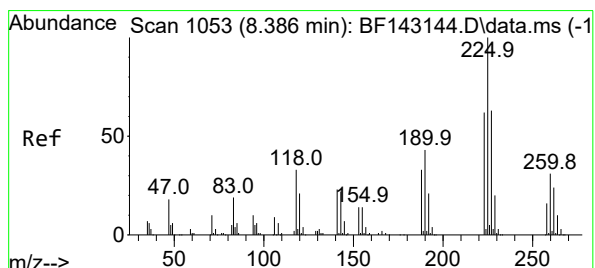
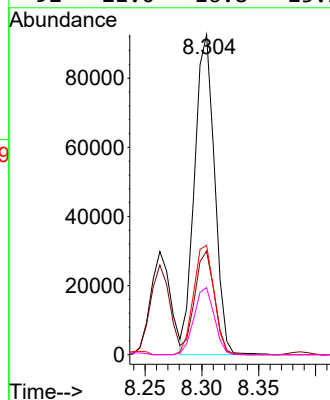
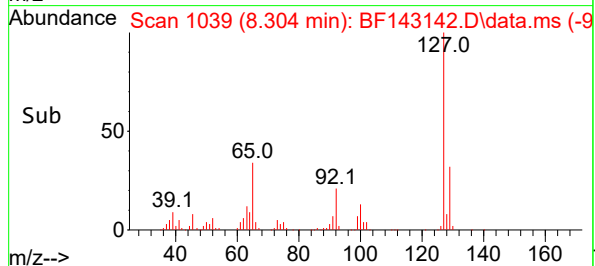
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:127 Resp: 11379
Ion Ratio Lower Upper
127 100
129 32.4 26.0 39.0
65 34.2 27.4 41.2
92 21.0 16.8 25.2

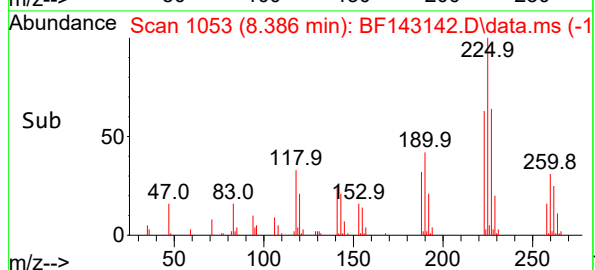
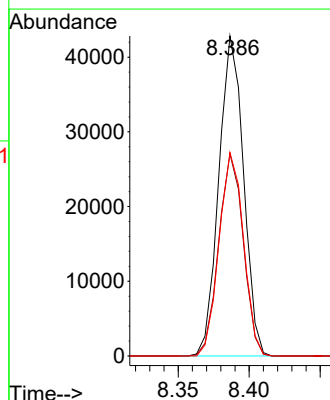
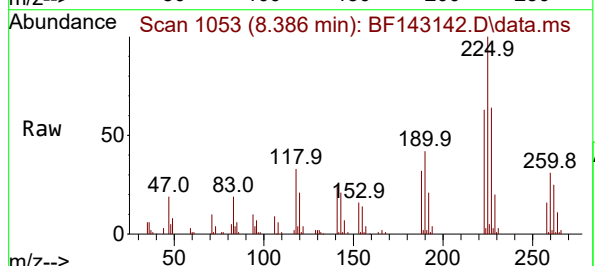
Manual Integrations
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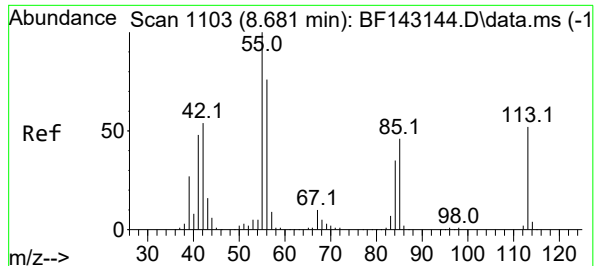
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 10.290 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

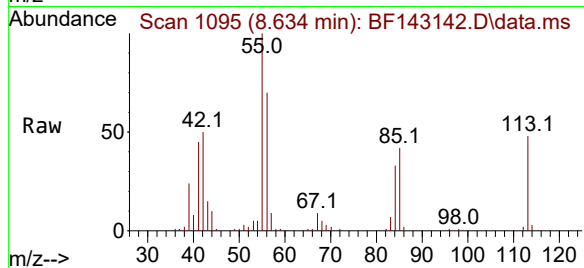
Tgt Ion:225 Resp: 51715
Ion Ratio Lower Upper
225 100
223 63.1 49.8 74.6
227 63.5 50.2 75.4





#35
Caprolactam
Concen: 9.194 ng
RT: 8.634 min Scan# 1103
Delta R.T. -0.047 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

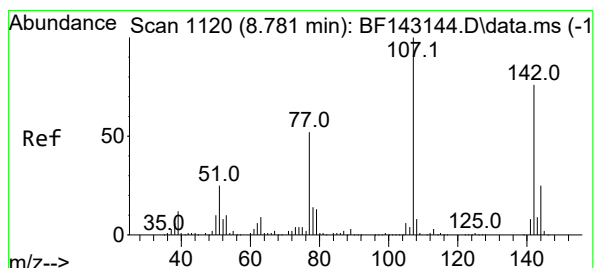
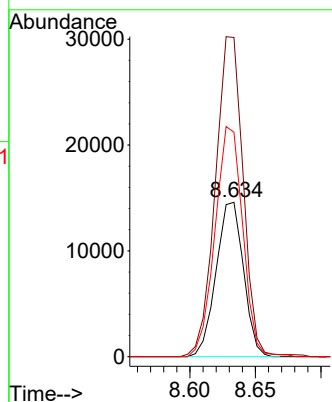
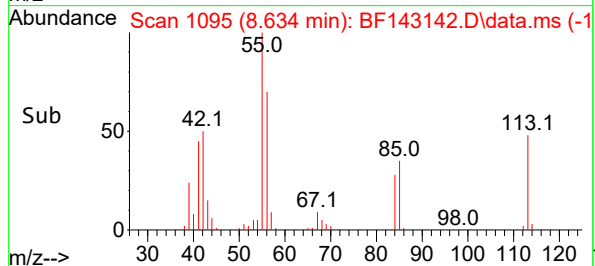
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:113 Resp: 2115
Ion Ratio Lower Upper
113 100
55 206.8 174.0 214.0
56 145.4 126.6 166.6

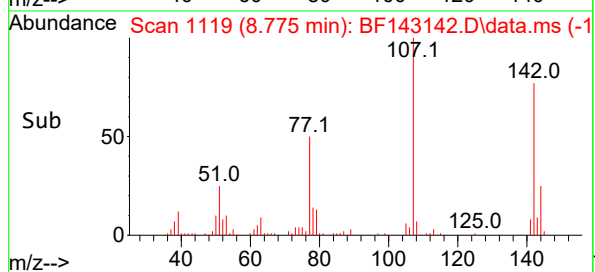
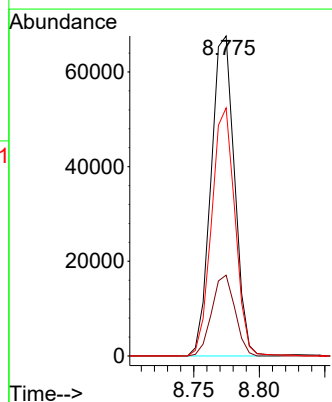
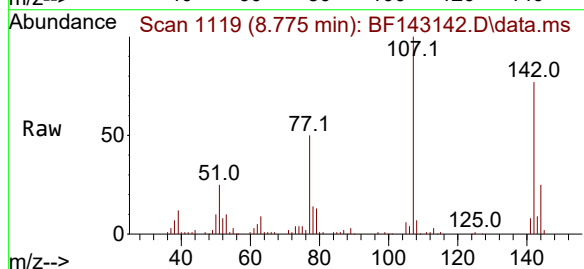
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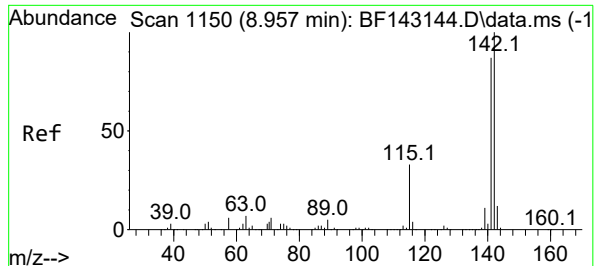
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 10.227 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

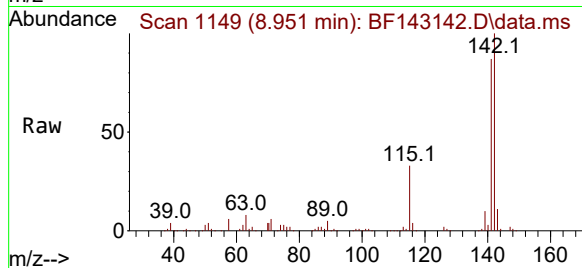
Tgt Ion:107 Resp: 84647
Ion Ratio Lower Upper
107 100
144 25.3 19.8 29.6
142 77.5 60.6 90.8





#37
2-Methylnaphthalene
Concen: 10.570 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

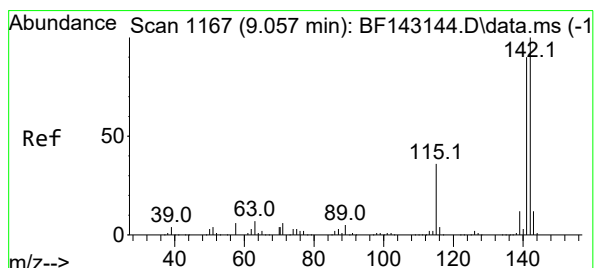
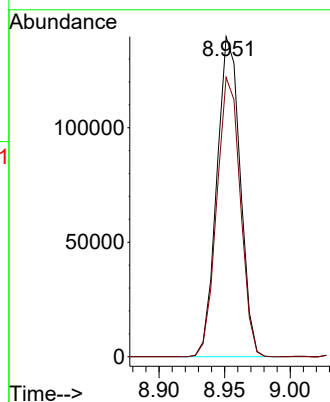
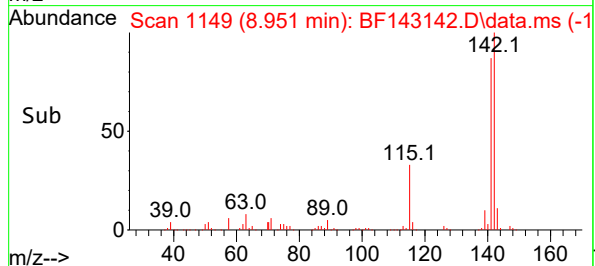
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:142 Resp: 17286
Ion Ratio Lower Upper
142 100
141 87.3 69.9 104.9

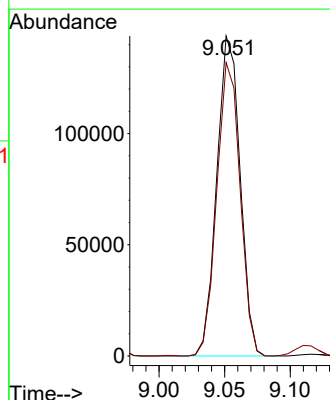
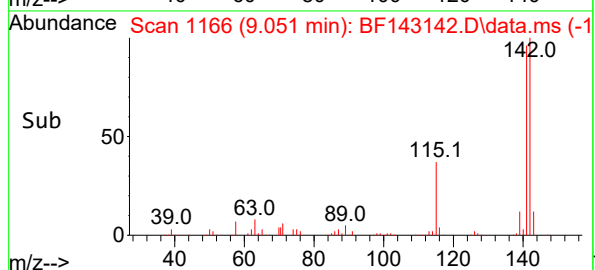
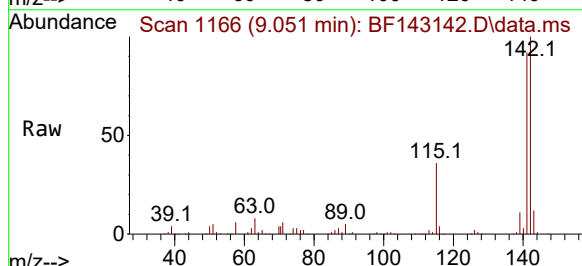
Manual Integrations
APPROVED

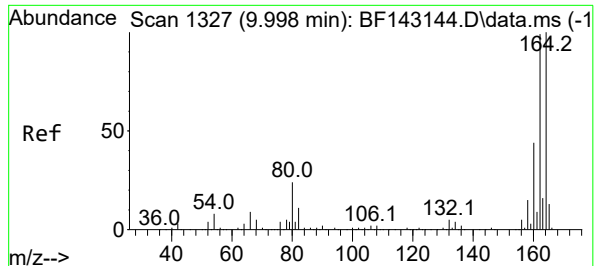
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 10.564 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:142 Resp: 177917
Ion Ratio Lower Upper
142 100
141 91.7 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143142.D

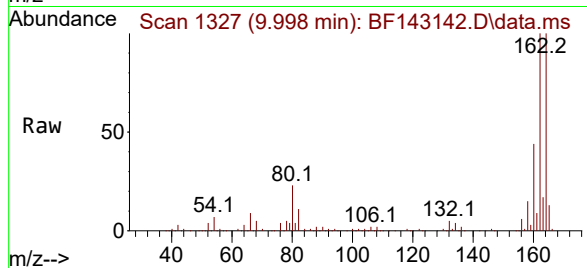
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 282580

Ion Ratio Lower Upper

164 100

162 99.8 79.0 118.6

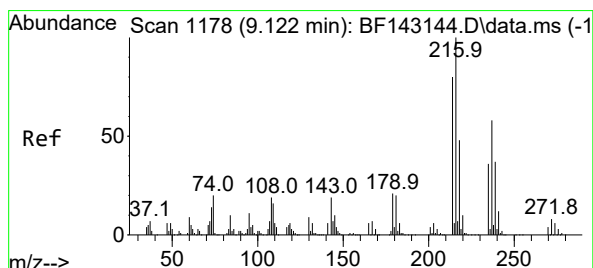
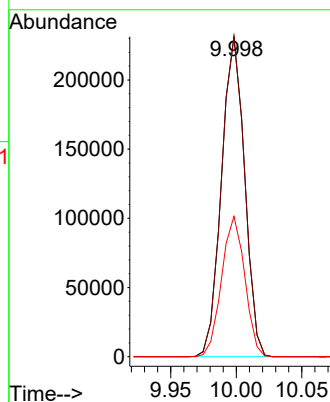
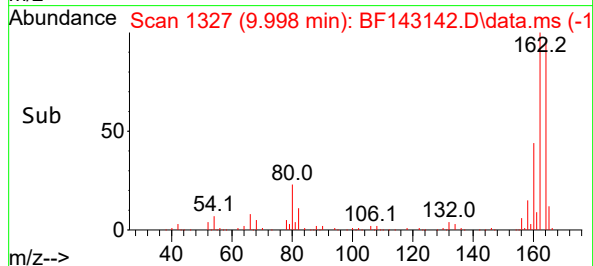
160 43.9 35.1 52.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

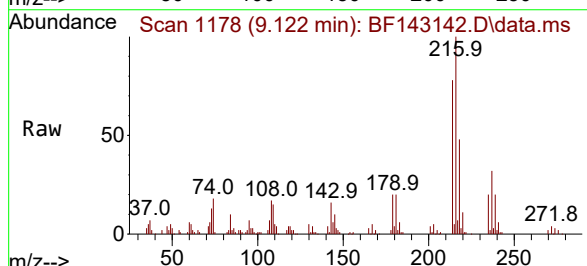
Concen: 10.357 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04



Tgt Ion:216 Resp: 84494

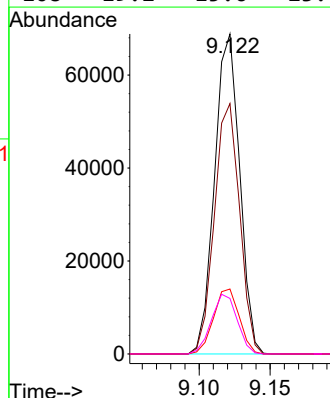
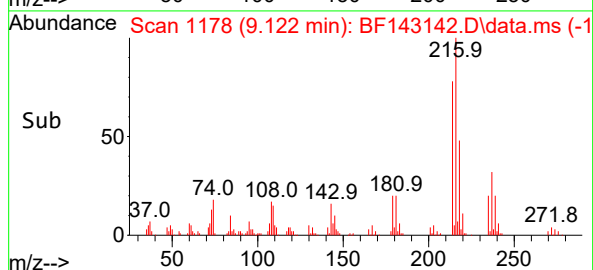
Ion Ratio Lower Upper

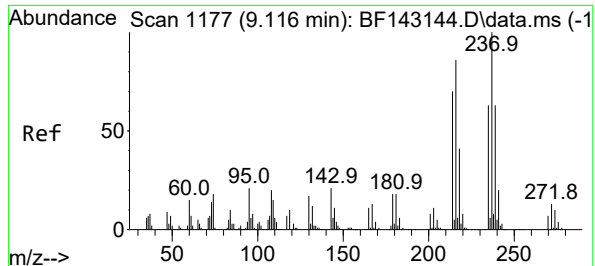
216 100

214 78.6 63.8 95.8

179 20.8 16.4 24.6

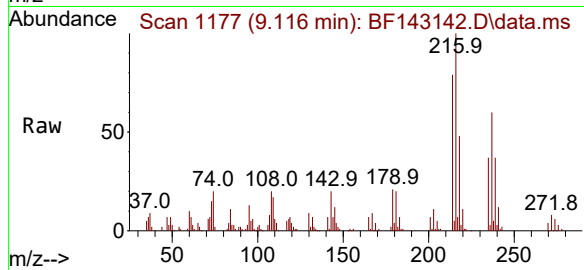
108 19.2 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 8.963 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

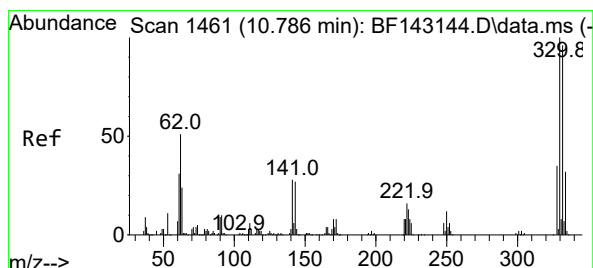
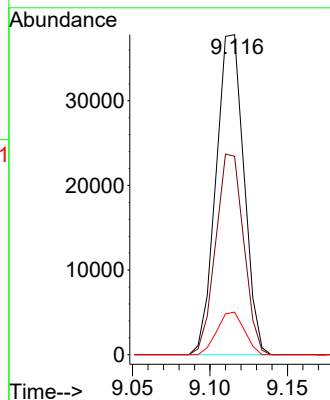
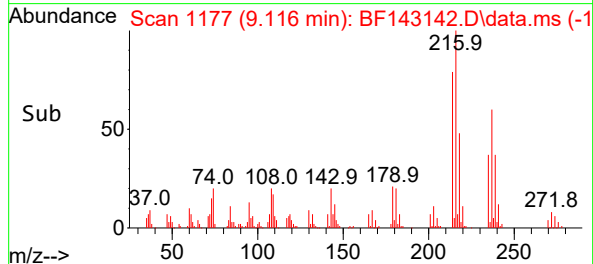
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



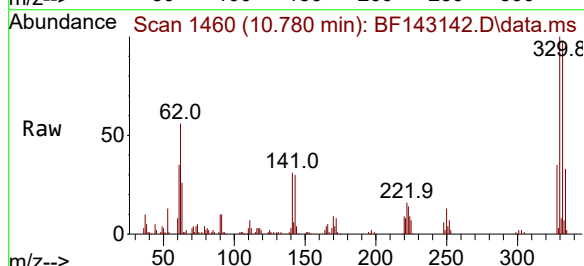
Tgt Ion:237 Resp: 4757
Ion Ratio Lower Upper
237 100
235 62.0 43.0 83.0
272 13.3 0.0 33.3

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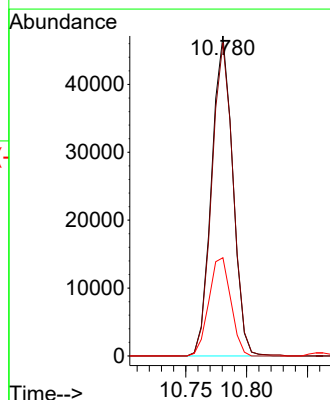
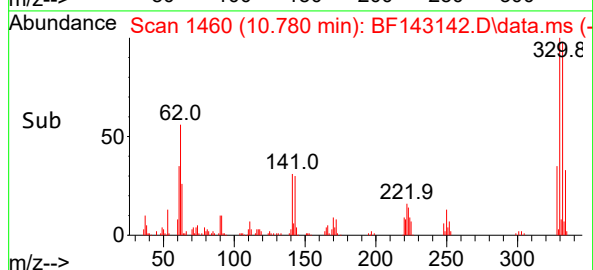
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

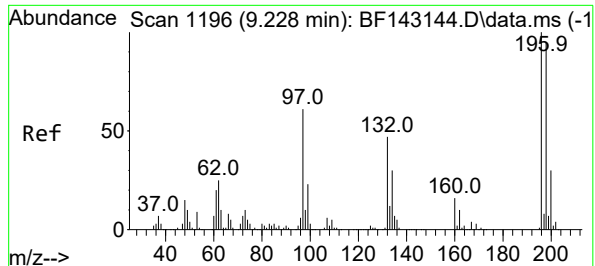


#42
2,4,6-Tribromophenol
Concen: 19.512 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



Tgt Ion:330 Resp: 56961
Ion Ratio Lower Upper
330 100
332 98.3 76.7 115.1
141 32.0 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 10.165 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143142.D

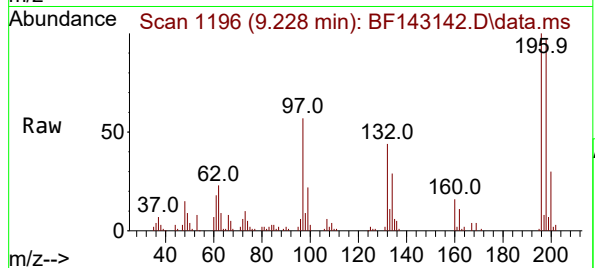
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:196 Resp: 57390

Ion Ratio Lower Upper

196 100

198 97.4 76.2 114.2

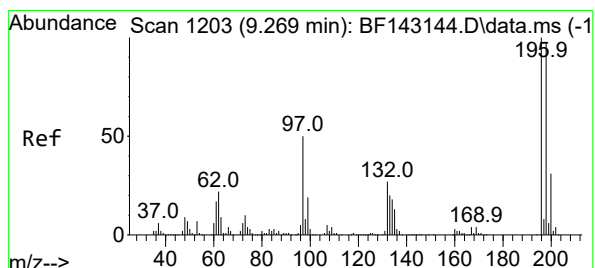
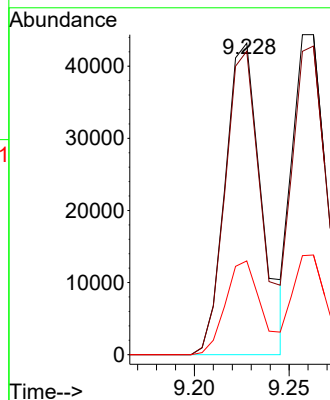
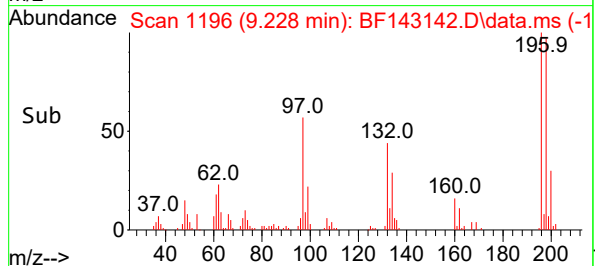
200 30.1 23.9 35.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

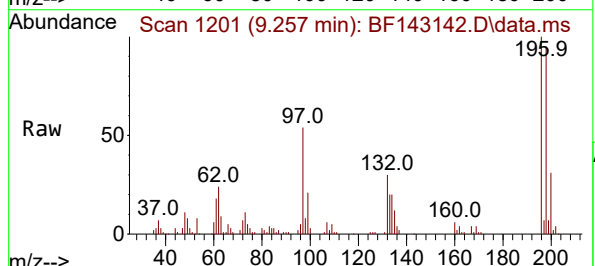
Concen: 9.688 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04



Tgt Ion:196 Resp: 54716

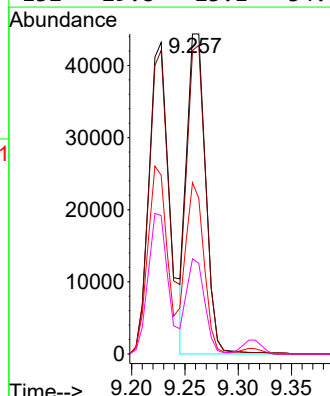
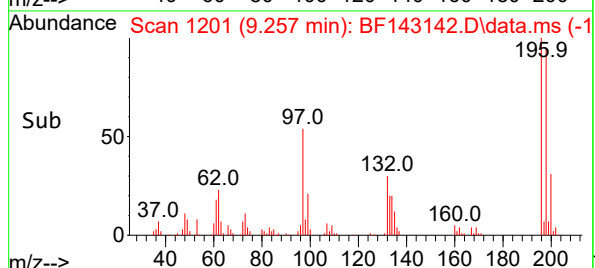
Ion Ratio Lower Upper

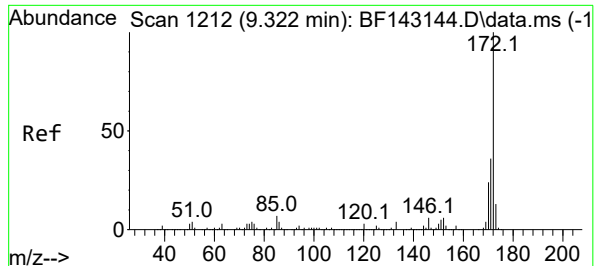
196 100

198 94.8 77.3 115.9

97 53.5 40.3 60.5

132 29.8 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 22.489 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:172 Resp: 464669

Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

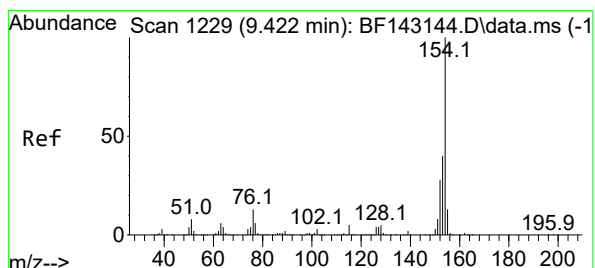
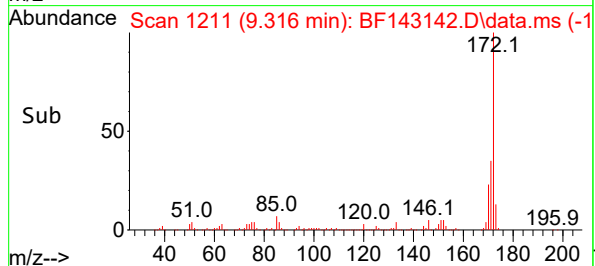
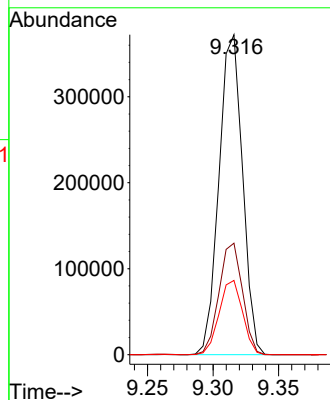
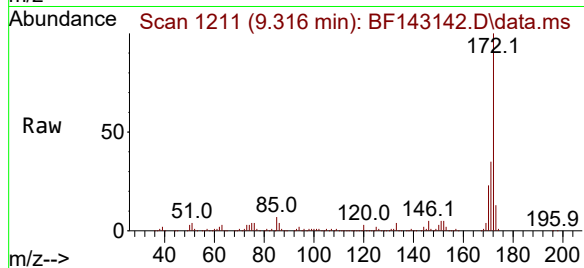
170 23.2 18.8 28.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 10.680 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

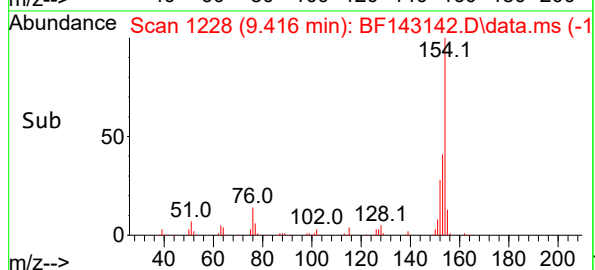
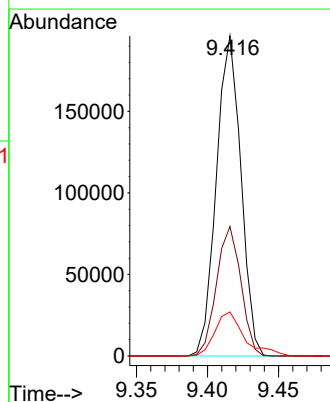
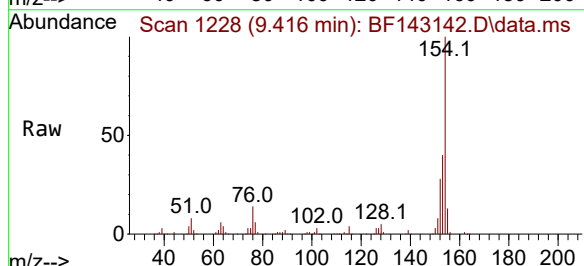
Tgt Ion:154 Resp: 235467

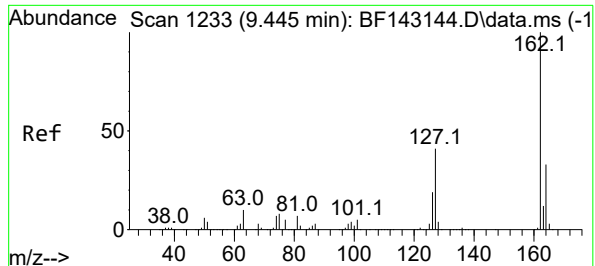
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 10.595 ng

RT: 9.439 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BF143142.D

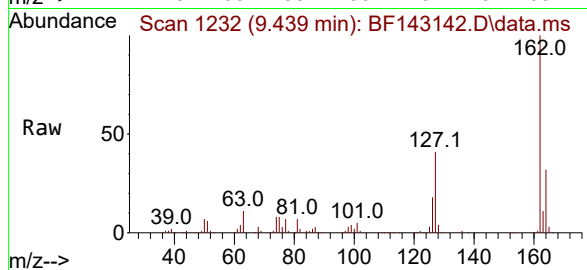
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 17283

Ion Ratio Lower Upper

162 100

127 40.6 33.4 50.2

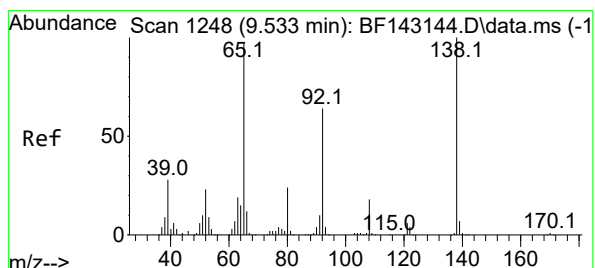
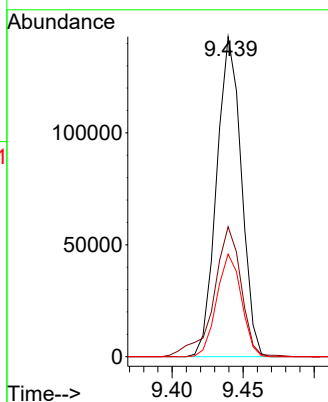
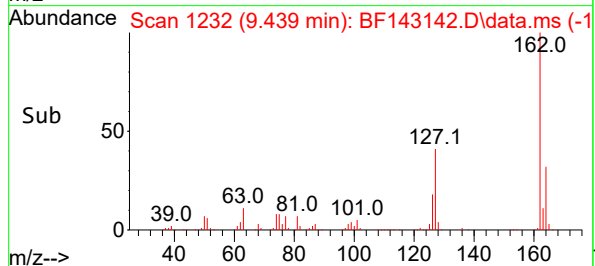
164 32.0 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

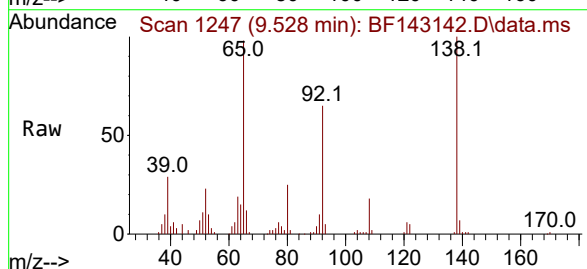
Concen: 9.198 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04



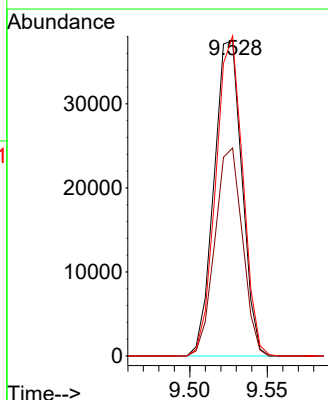
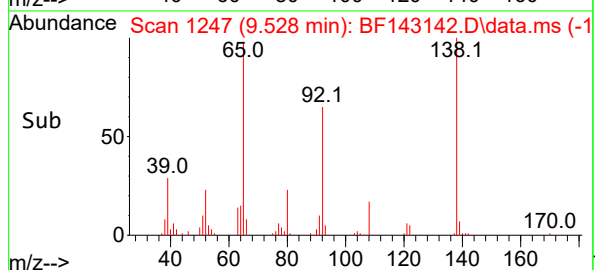
Tgt Ion: 65 Resp: 47055

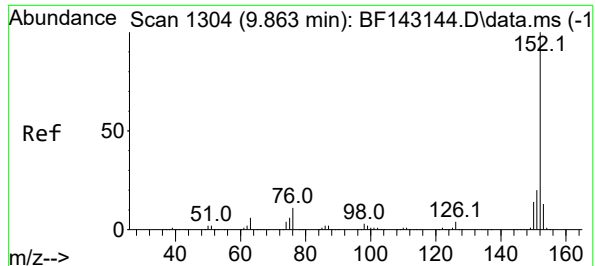
Ion Ratio Lower Upper

65 100

92 66.0 52.4 78.6

138 101.6 82.3 123.5





#49

Acenaphthylene

Concen: 10.607 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:152 Resp: 289989

Ion Ratio Lower Upper

152 100

151 19.3 16.2 24.2

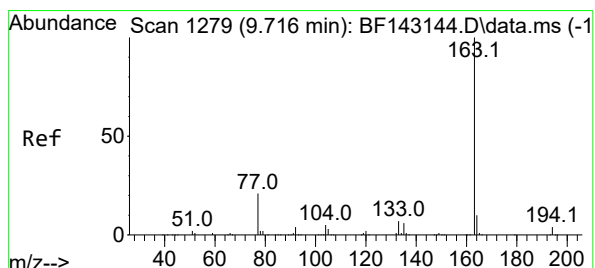
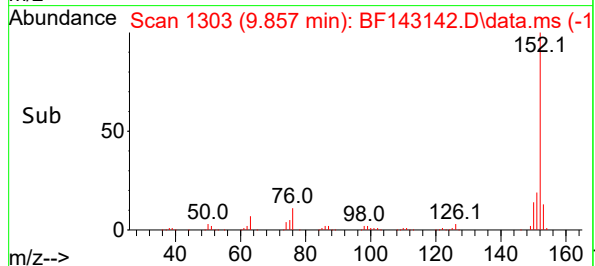
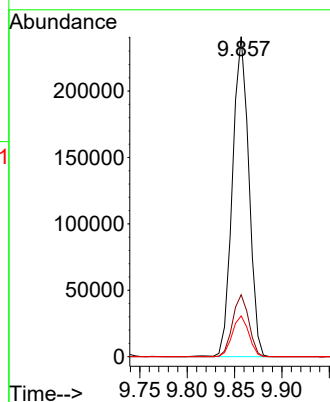
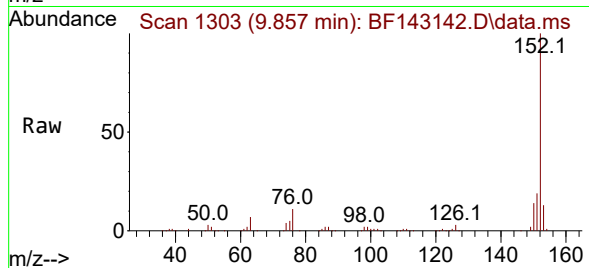
153 12.8 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

Concen: 10.283 ng

RT: 9.704 min Scan# 1277

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

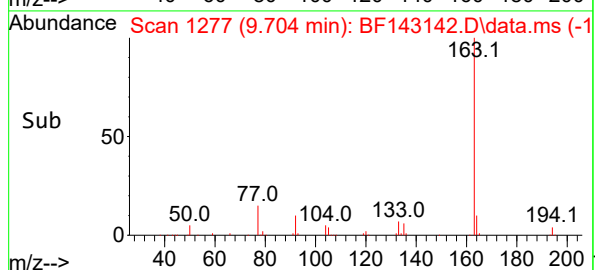
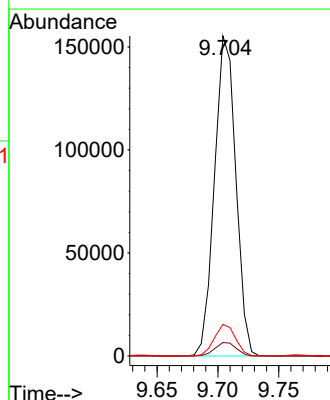
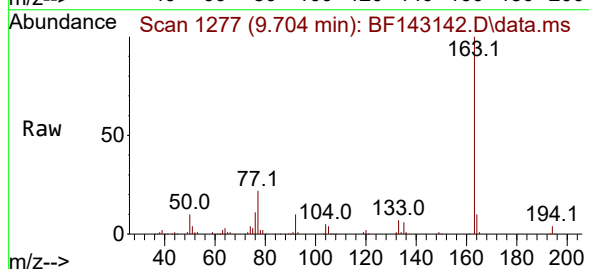
Tgt Ion:163 Resp: 189399

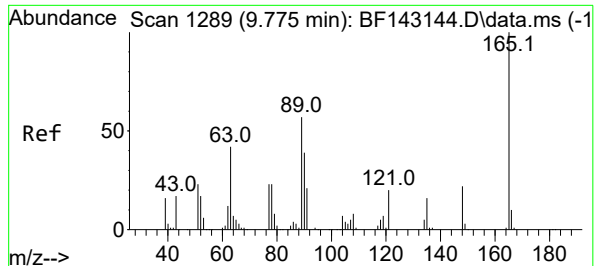
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

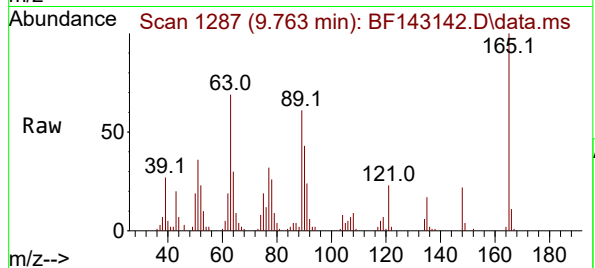
164 9.9 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 9.438 ng
RT: 9.763 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

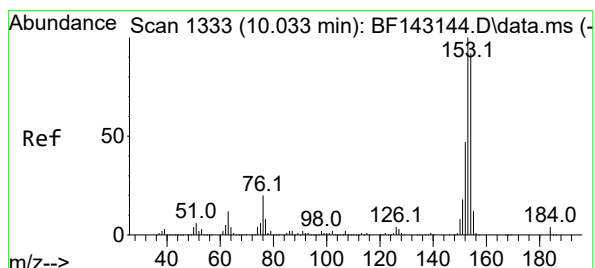
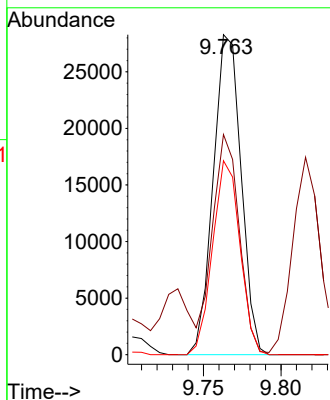
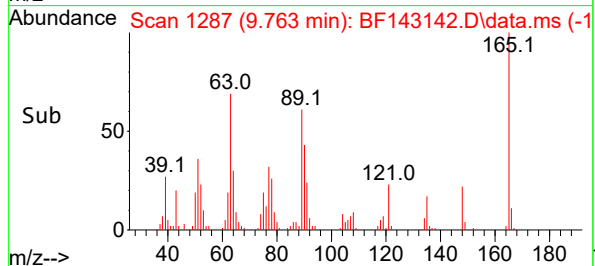
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 35364
Ion Ratio Lower Upper
165 100
63 68.8 49.4 74.2
89 60.6 46.2 69.2

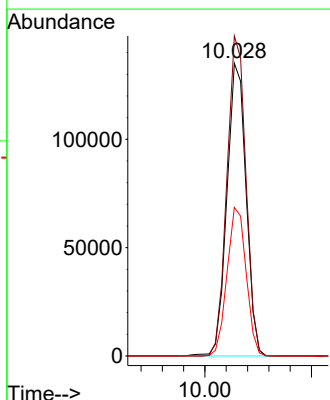
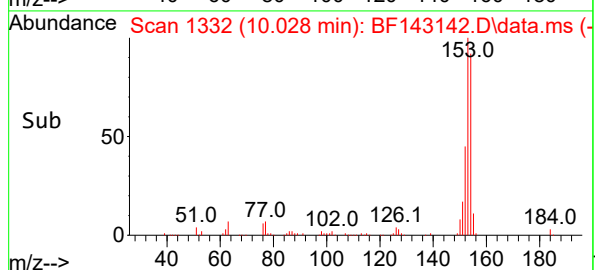
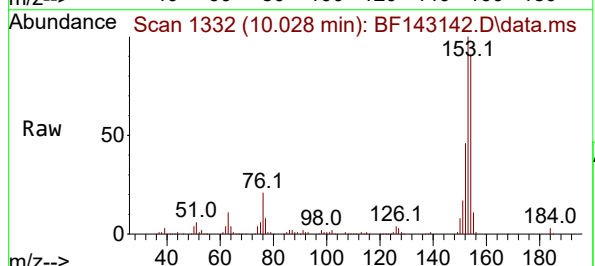
Manual Integrations
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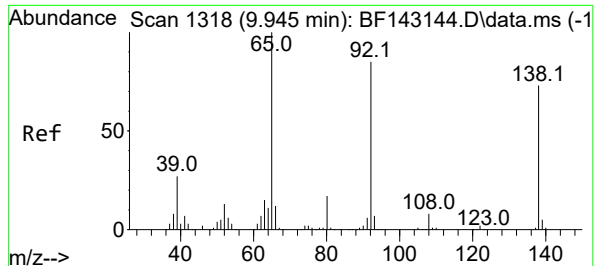
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 10.440 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:154 Resp: 168698
Ion Ratio Lower Upper
154 100
153 109.3 86.6 129.8
152 50.8 40.4 60.6





#53

3-Nitroaniline

Concen: 9.667 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:138 Resp: 4236

Ion Ratio Lower Upper

138 100

108 12.7 9.0 13.6

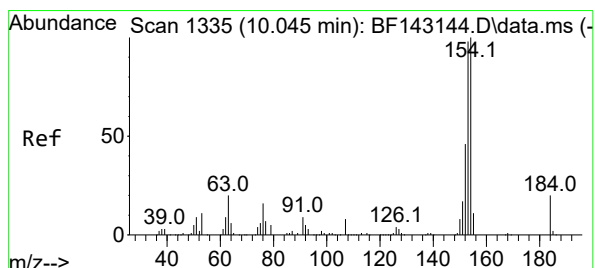
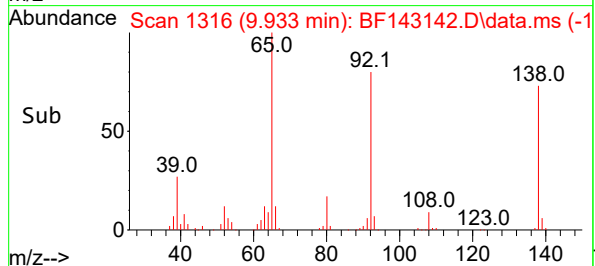
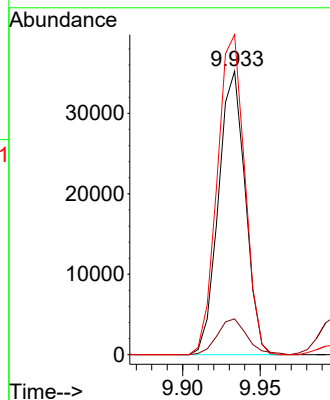
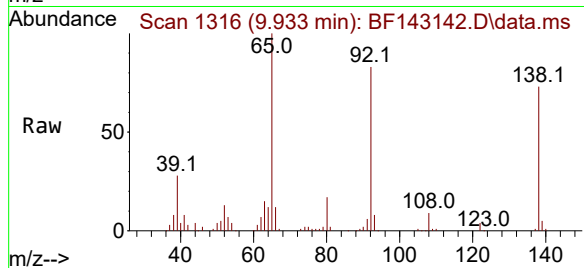
92 112.9 93.0 139.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#54

2,4-Dinitrophenol

Concen: 10.522 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

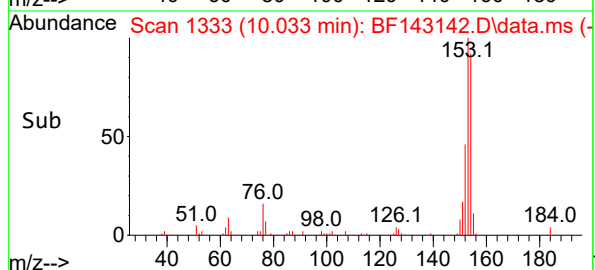
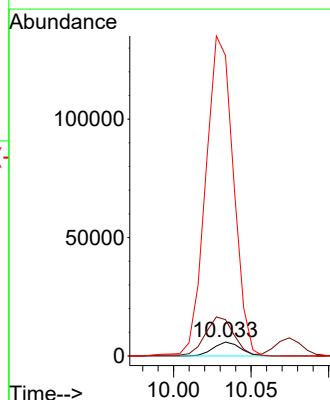
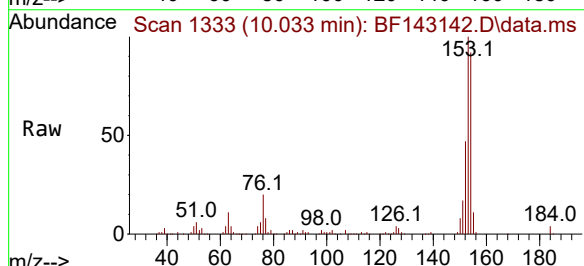
Tgt Ion:184 Resp: 7147

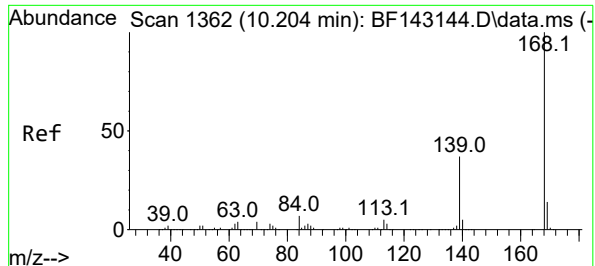
Ion Ratio Lower Upper

184 100

63 261.5 81.8 122.6#

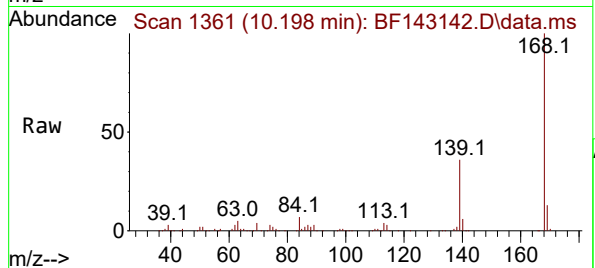
154 2164.9 412.2 618.4#





#55
Dibenzenofuran
Concen: 10.641 ng
RT: 10.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

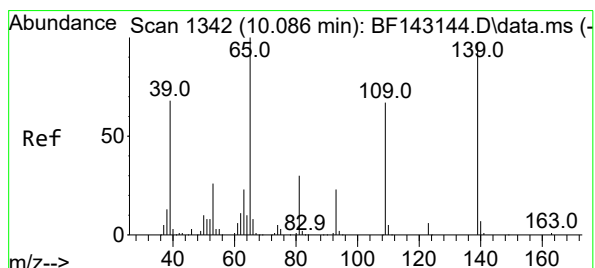
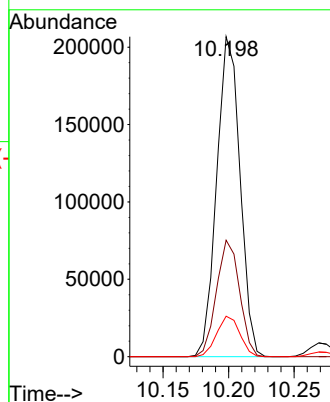
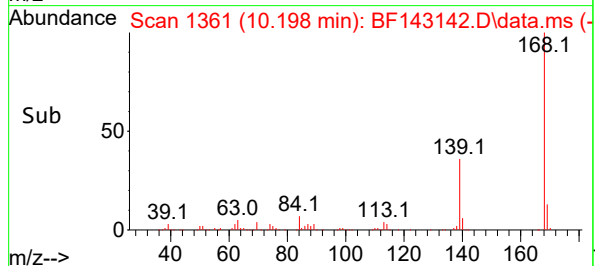
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



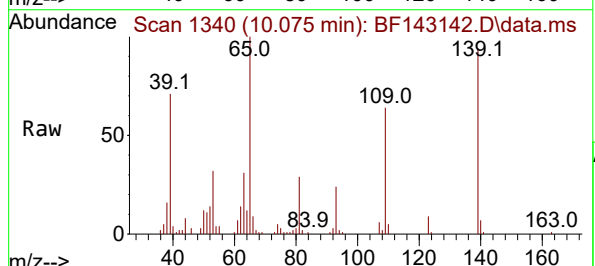
Tgt Ion:168 Resp: 255272
Ion Ratio Lower Upper
168 100
139 36.4 29.5 44.3
169 12.7 10.9 16.3

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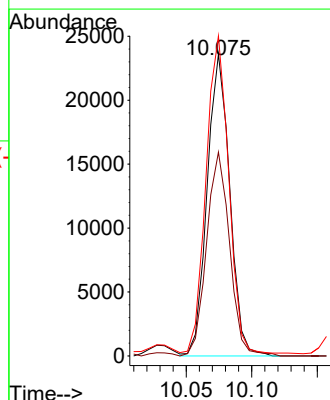
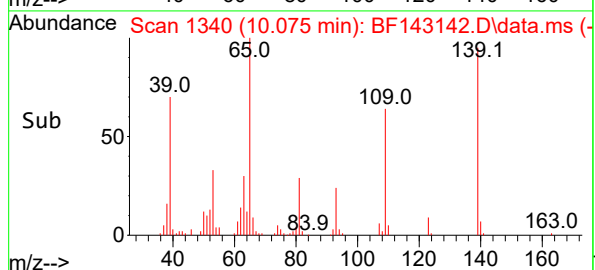
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

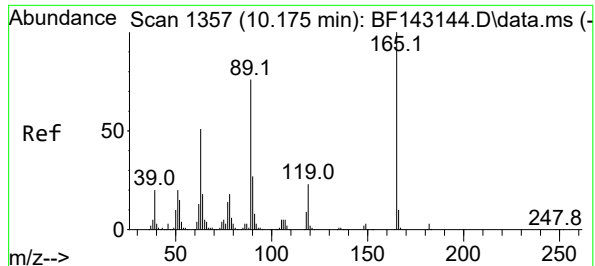


#56
4-Nitrophenol
Concen: 8.627 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



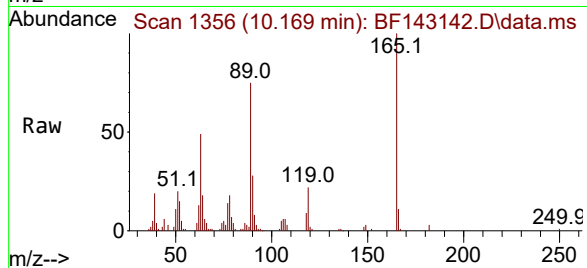
Tgt Ion:139 Resp: 28233
Ion Ratio Lower Upper
139 100
109 67.5 48.5 88.5
65 106.0 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 8.895 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

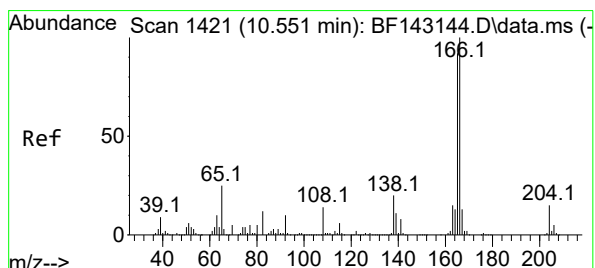
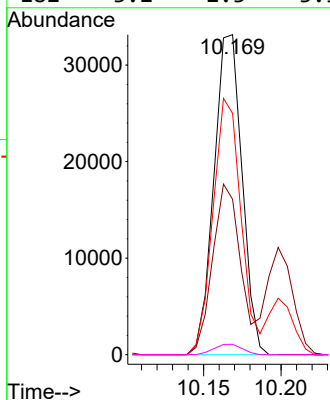
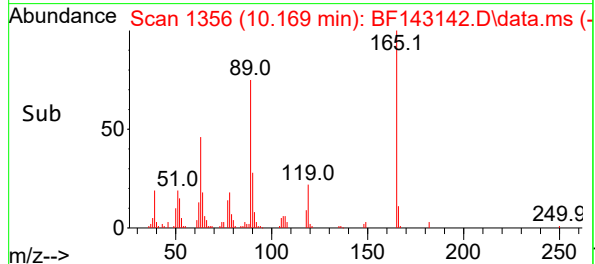
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



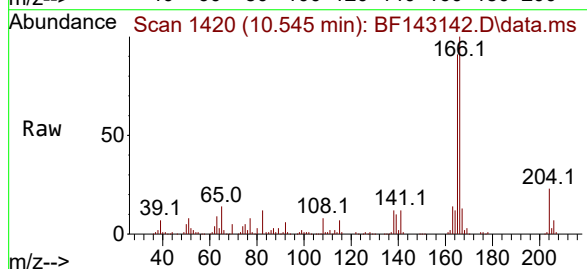
Tgt Ion:165 Resp: 4181
Ion Ratio Lower Upper
165 100
63 48.5 41.0 61.4
89 75.4 61.1 91.7
182 3.2 2.3 3.5

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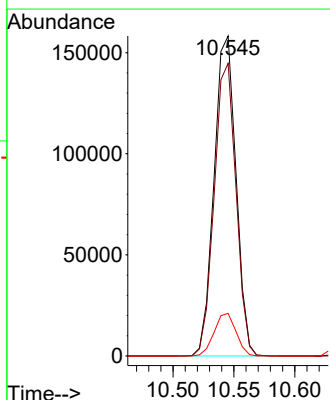
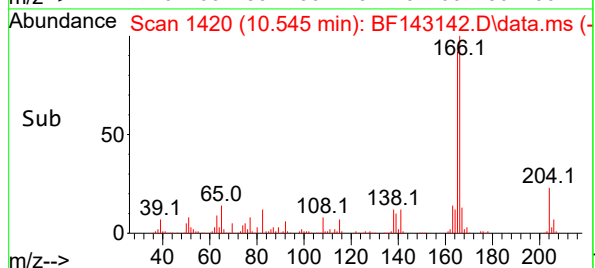
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

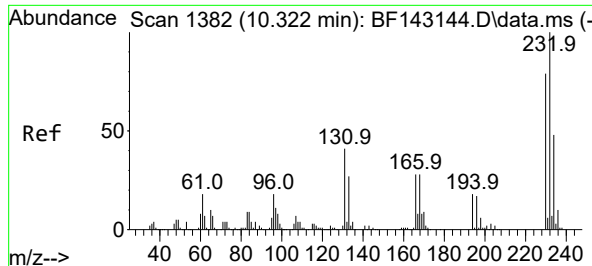


#58
Fluorene
Concen: 10.999 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



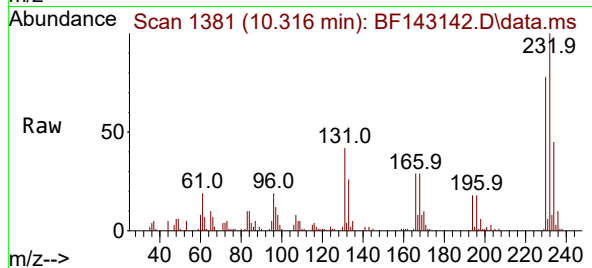
Tgt Ion:166 Resp: 198041
Ion Ratio Lower Upper
166 100
165 91.4 73.7 110.5
167 13.3 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.986 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

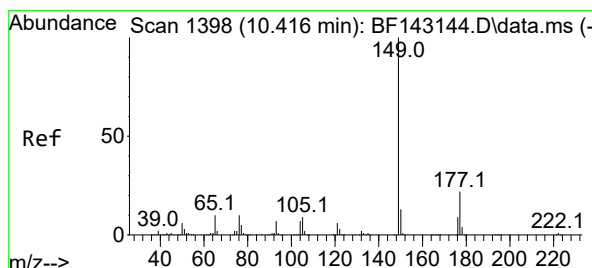
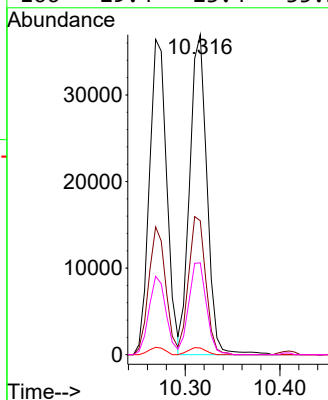
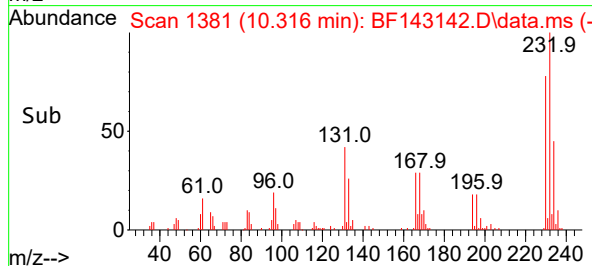
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



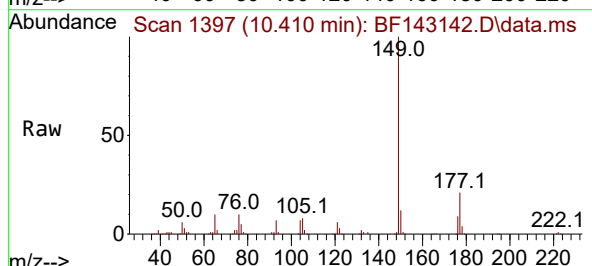
Tgt Ion:232 Resp: 46720
Ion Ratio Lower Upper
232 100
131 43.0 35.3 52.9
130 2.2 1.7 2.5
166 29.4 23.4 35.2

Manual Integrations
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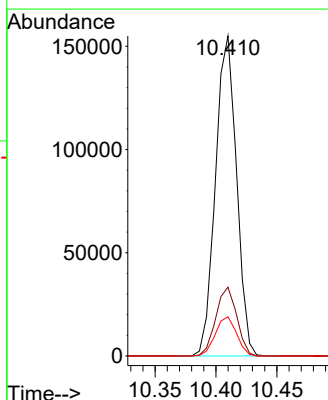
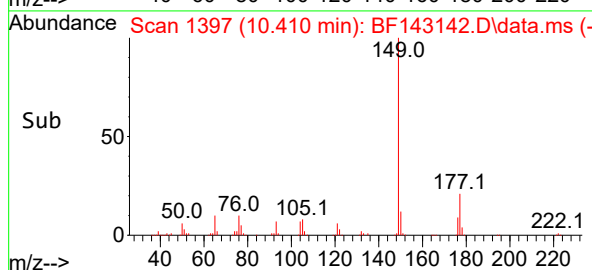
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

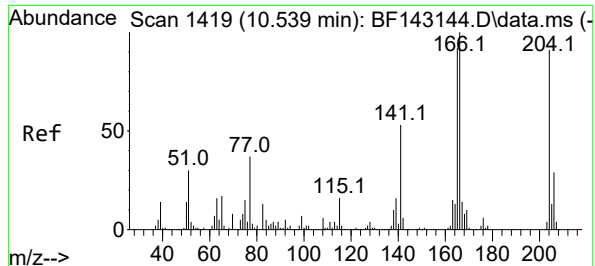


#60
Diethylphthalate
Concen: 10.261 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



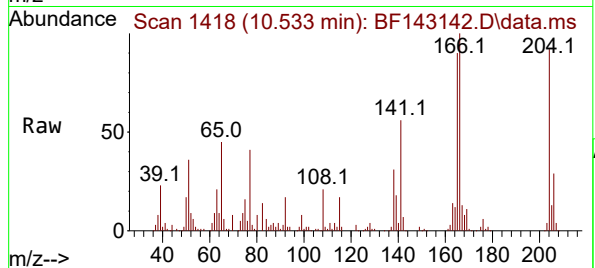
Tgt Ion:149 Resp: 186802
Ion Ratio Lower Upper
149 100
177 21.5 17.5 26.3
150 12.3 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 10.561 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

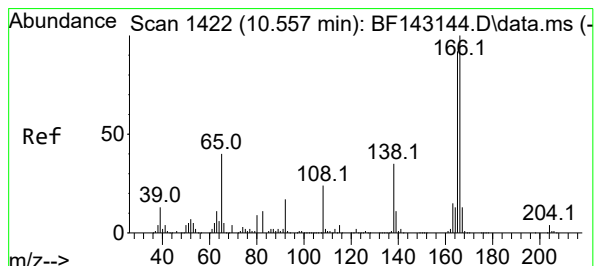
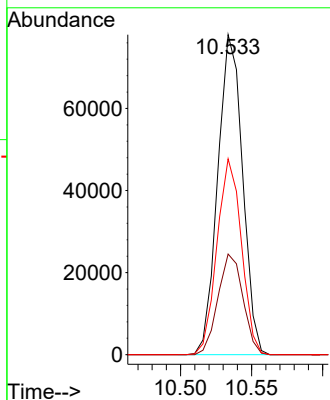
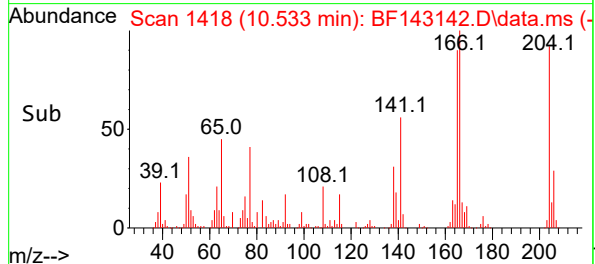
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



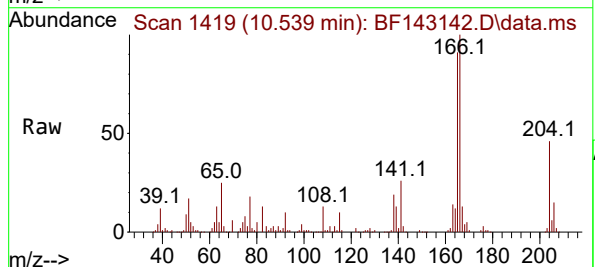
Tgt Ion:204 Resp: 9468
Ion Ratio Lower Upper
204 100
206 31.4 25.8 38.8
141 61.2 47.0 70.4

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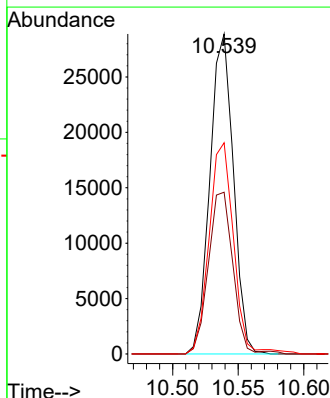
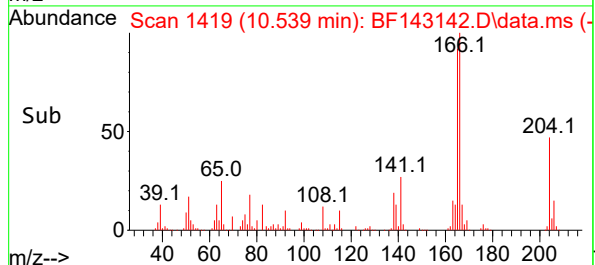
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

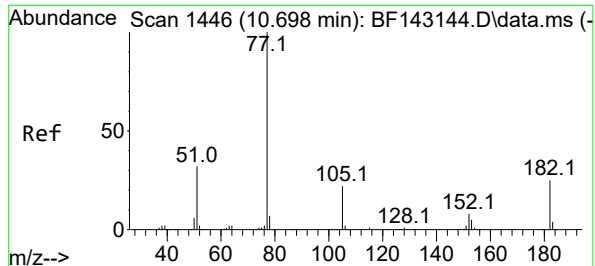


#62
4-Nitroaniline
Concen: 9.574 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



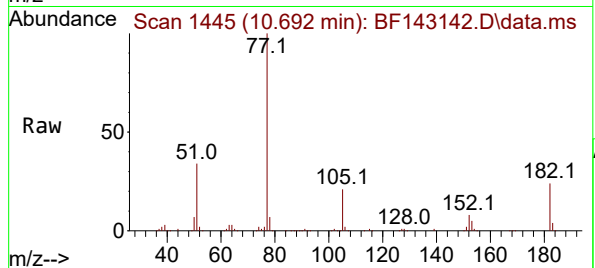
Tgt Ion:138 Resp: 35962
Ion Ratio Lower Upper
138 100
92 50.5 29.3 69.3
108 66.0 48.3 88.3





#63
Azobenzene
Concen: 10.435 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

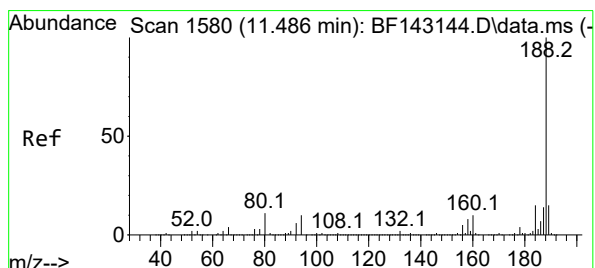
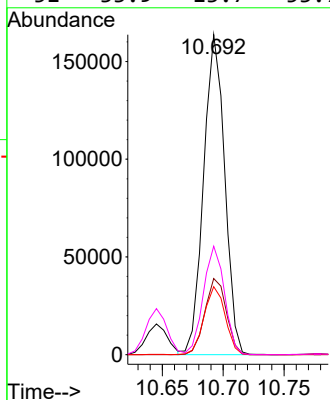
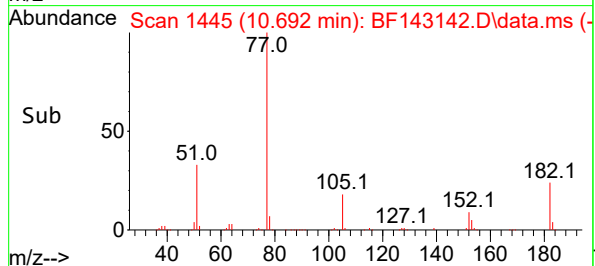
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 77 Resp: 197998
Ion Ratio Lower Upper
77 100
182 23.8 4.6 44.6
105 21.2 1.4 41.4
51 33.9 13.7 53.7

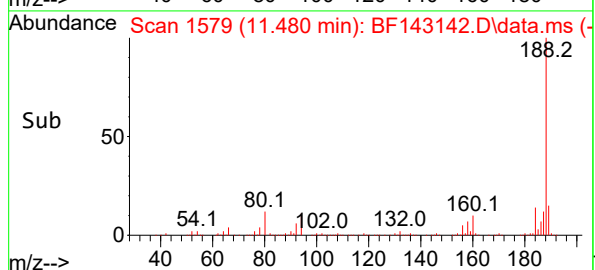
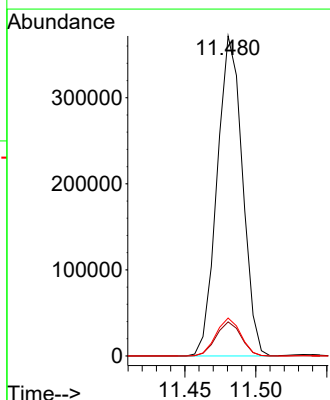
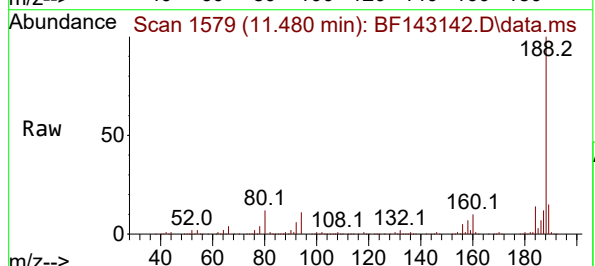
Manual Integrations
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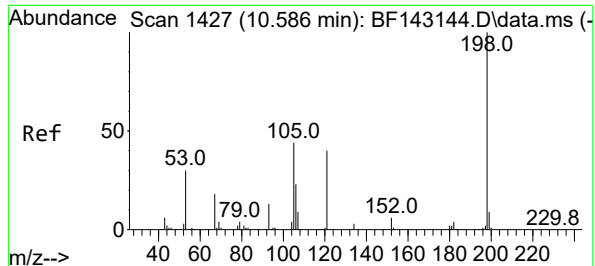
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

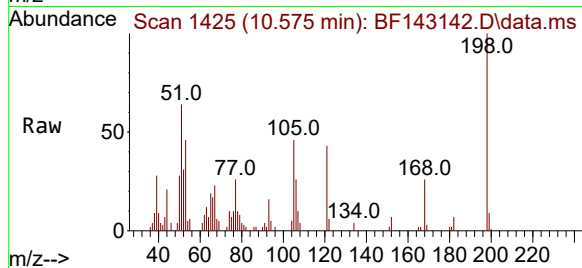
Tgt Ion:188 Resp: 461255
Ion Ratio Lower Upper
188 100
94 10.7 8.3 12.5
80 11.8 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 10.014 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.011 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

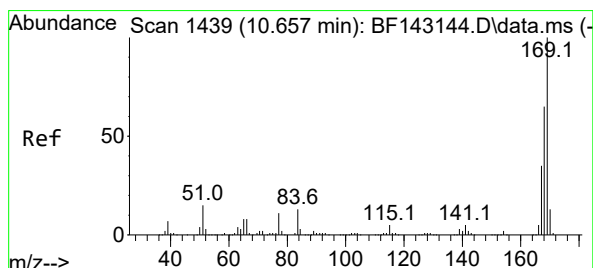
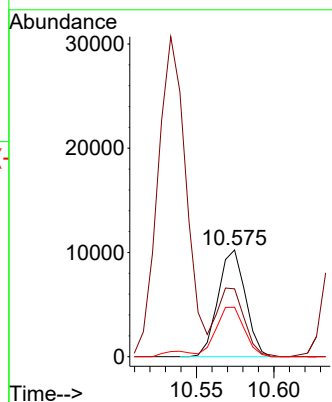
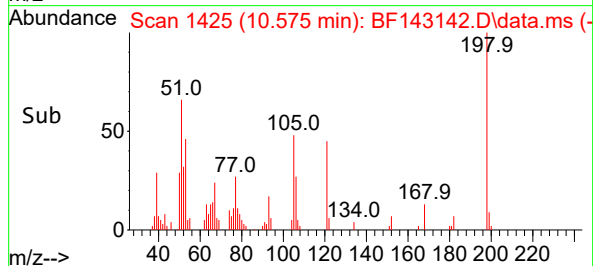
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:198 Resp: 1254
Ion Ratio Lower Upper
198 100
51 63.6 37.2 77.2
105 46.4 24.8 64.8

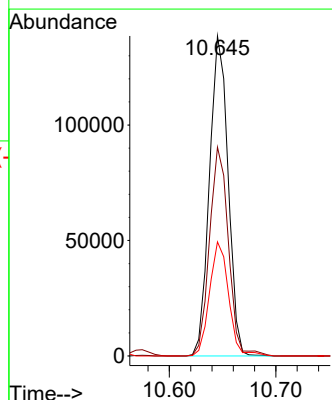
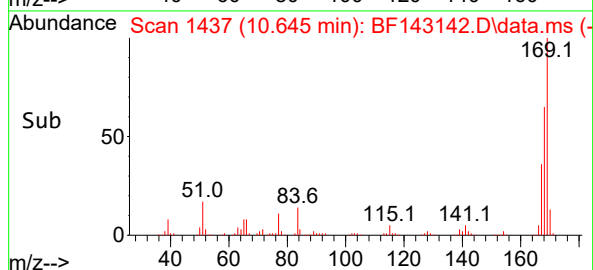
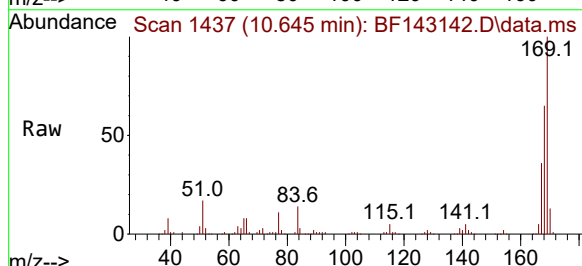
Manual Integrations
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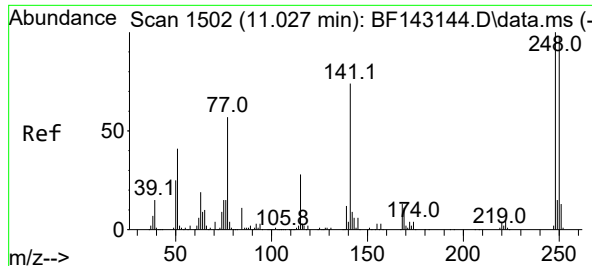
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 10.337 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

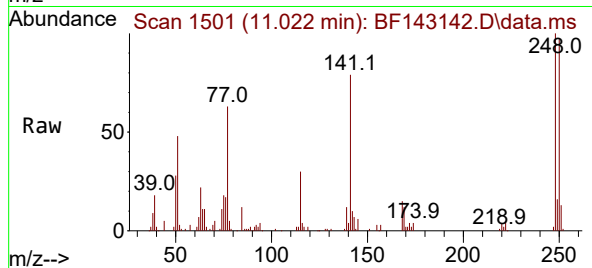
Tgt Ion:169 Resp: 167901
Ion Ratio Lower Upper
169 100
168 65.2 52.1 78.1
167 35.6 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 9.978 ng
RT: 11.022 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

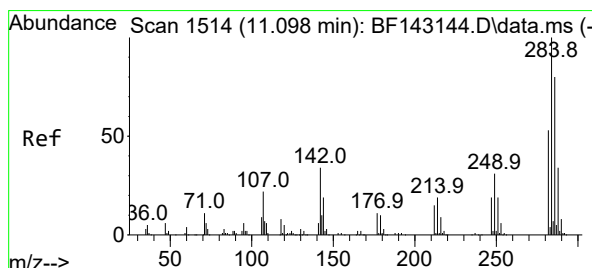
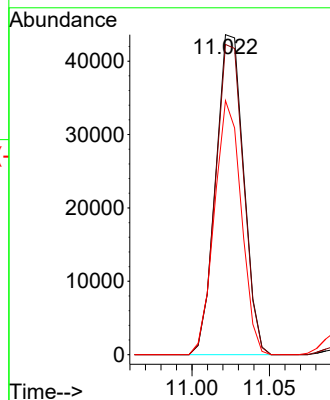
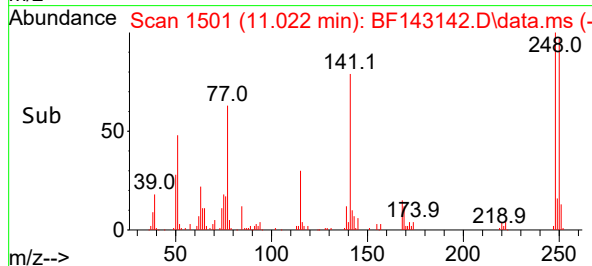
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



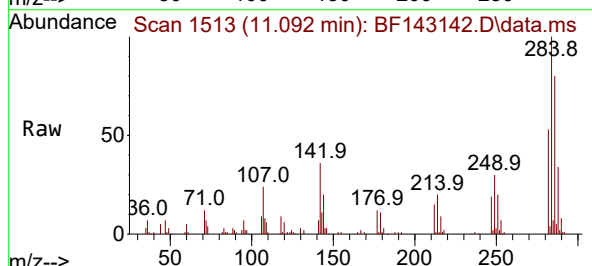
Tgt Ion:248 Resp: 54849
Ion Ratio Lower Upper
248 100
250 97.0 78.3 117.5
141 79.4 59.2 88.8

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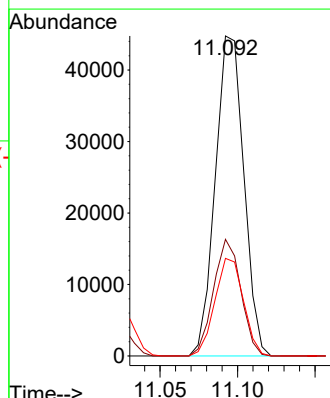
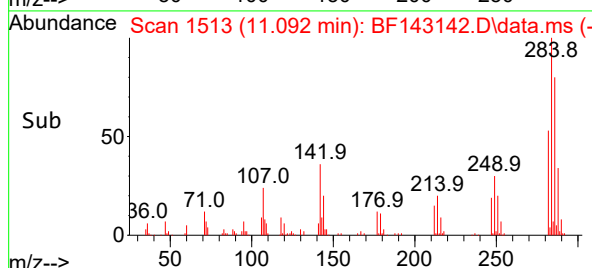
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

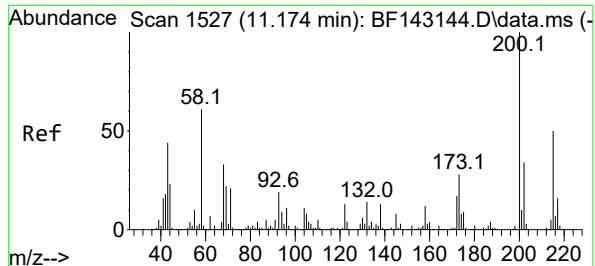


#68
Hexachlorobenzene
Concen: 9.974 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



Tgt Ion:284 Resp: 57305
Ion Ratio Lower Upper
284 100
142 36.4 27.0 40.6
249 30.5 25.0 37.6





#69

Atrazine

Concen: 9.613 ng

RT: 11.169 min Scan# 1526

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:200 Resp: 43045

Ion Ratio Lower Upper

200 100

173 28.7 7.9 47.9

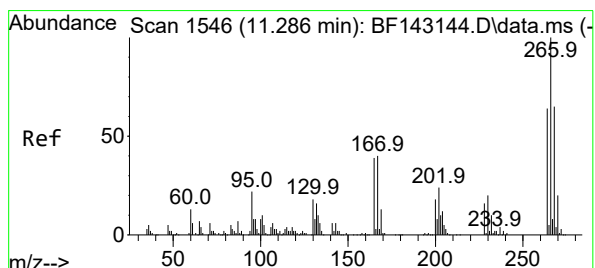
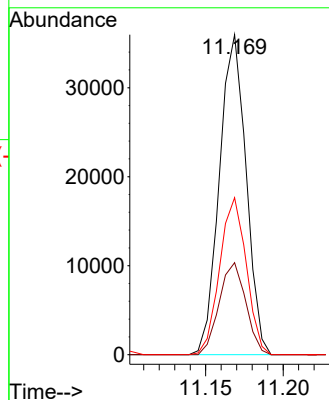
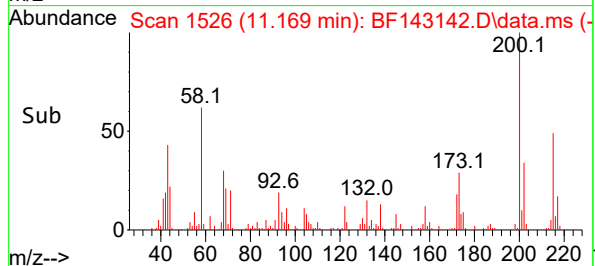
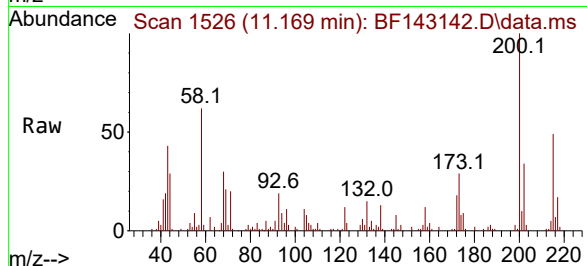
215 49.1 30.1 70.1

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 8.148 ng

RT: 11.280 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

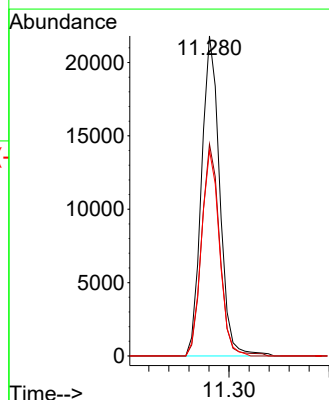
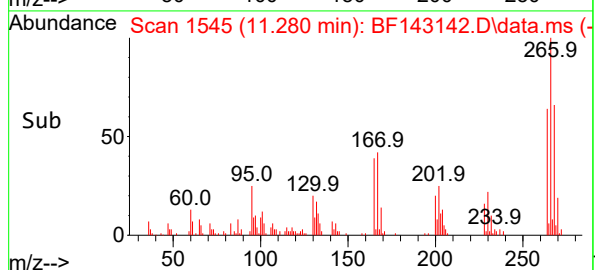
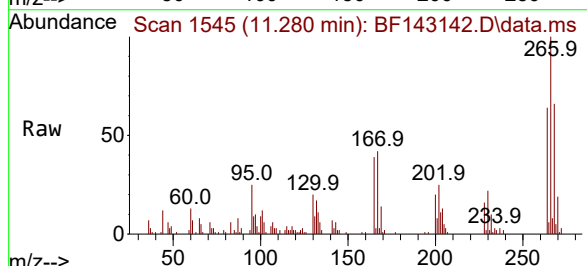
Tgt Ion:266 Resp: 27529

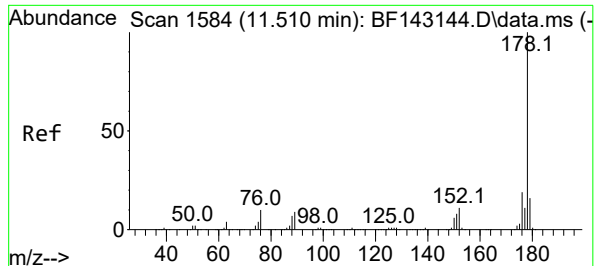
Ion Ratio Lower Upper

266 100

268 66.2 51.9 77.9

264 64.3 51.0 76.6





#71

Phenanthrene

Concen: 10.361 ng

RT: 11.504 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:178 Resp: 253750

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

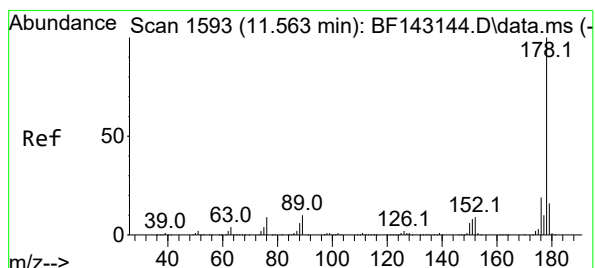
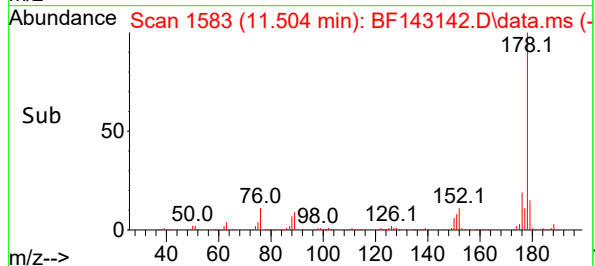
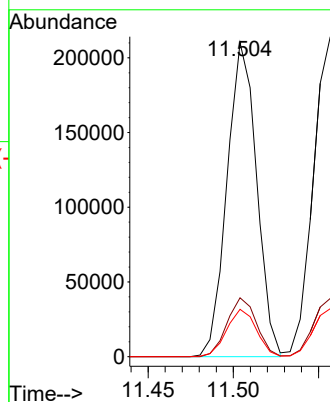
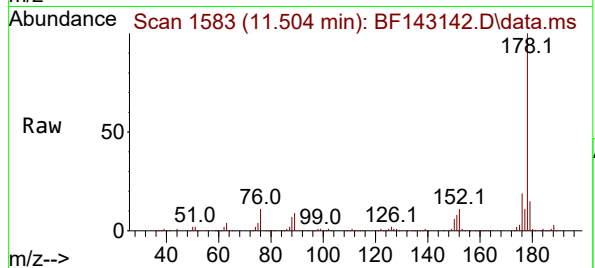
179 15.1 12.5 18.7

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#72

Anthracene

Concen: 10.487 ng

RT: 11.557 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

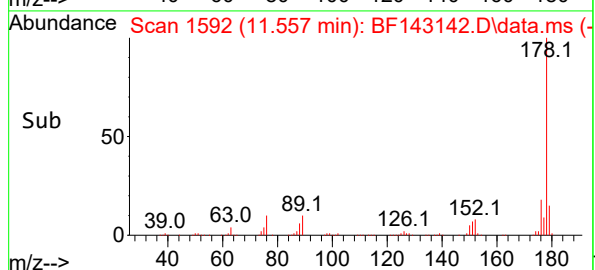
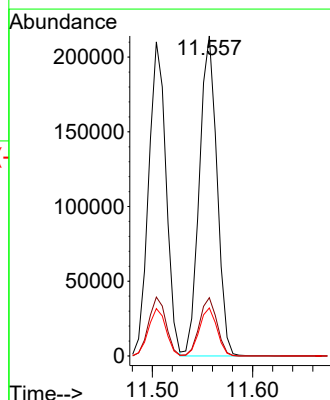
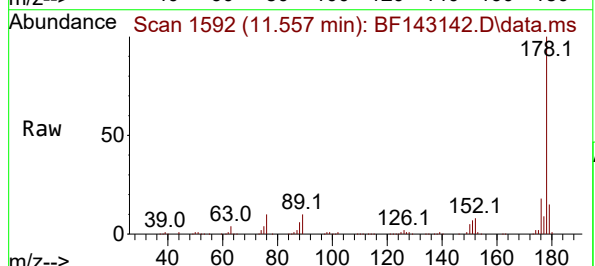
Tgt Ion:178 Resp: 261960

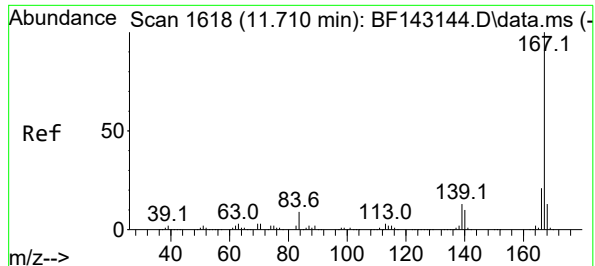
Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

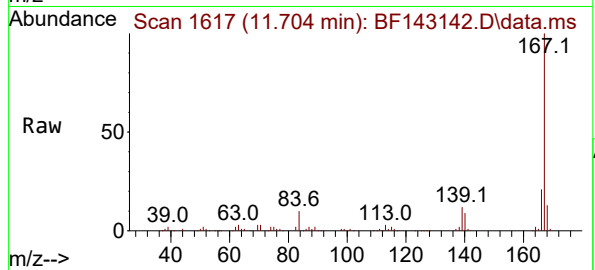
179 15.0 12.5 18.7





#73
Carbazole
Concen: 10.241 ng
RT: 11.704 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

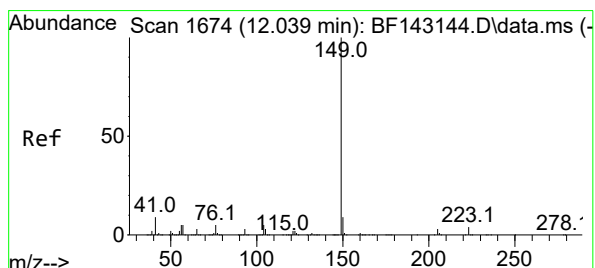
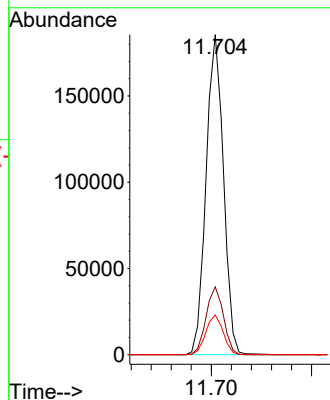
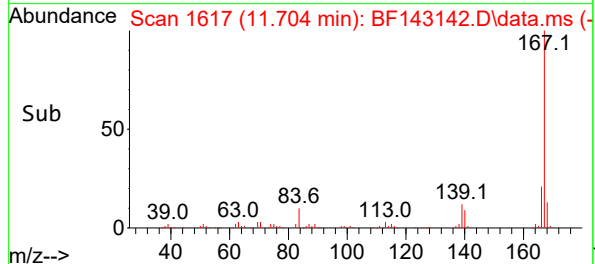
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



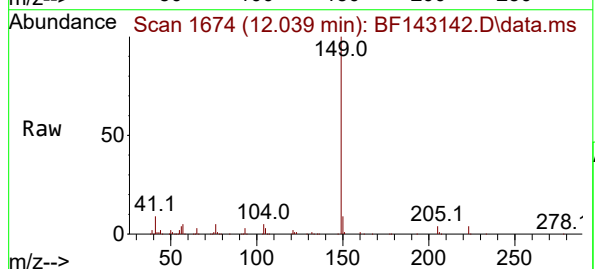
Tgt Ion:167 Resp: 223370
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.4 10.0 15.0

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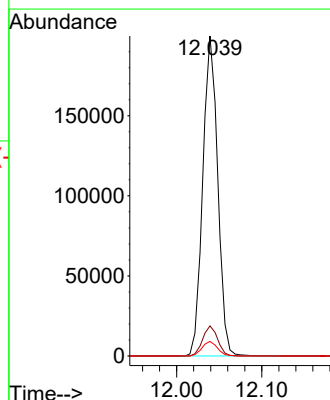
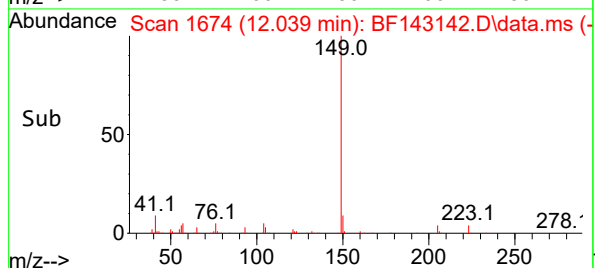
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

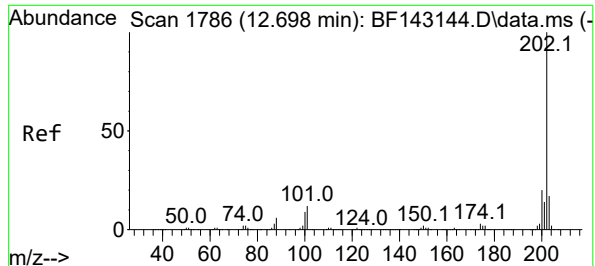


#74
Di-n-butylphthalate
Concen: 9.852 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



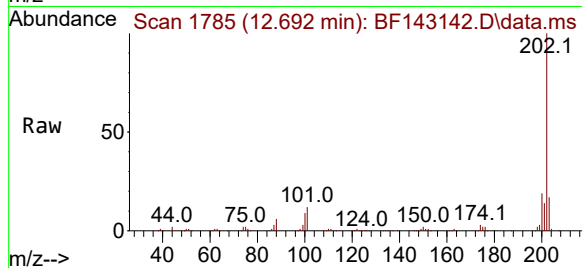
Tgt Ion:149 Resp: 243142
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 4.6 3.8 5.8





#75
Fluoranthene
Concen: 10.129 ng
RT: 12.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

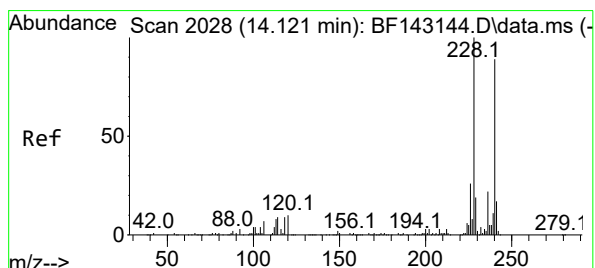
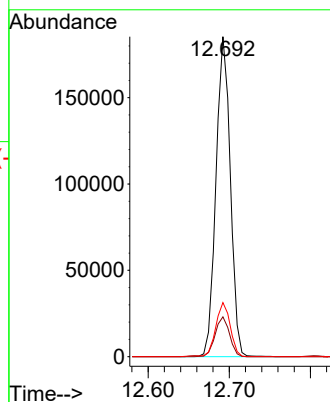
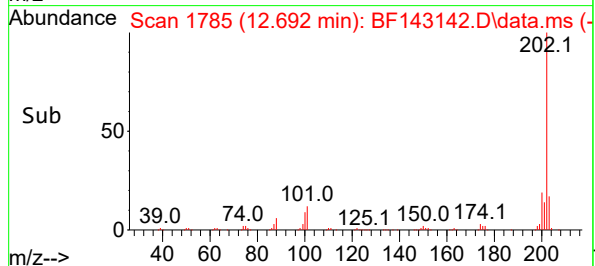
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 22770
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 16.9 0.0 37.4

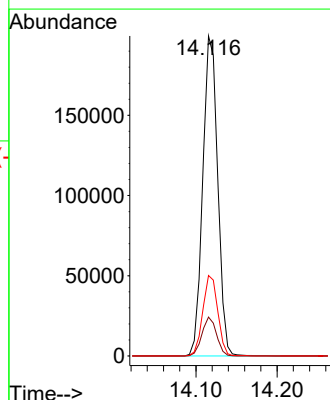
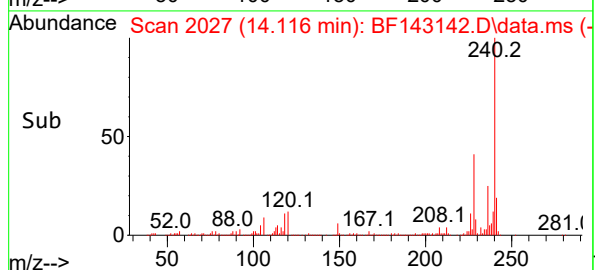
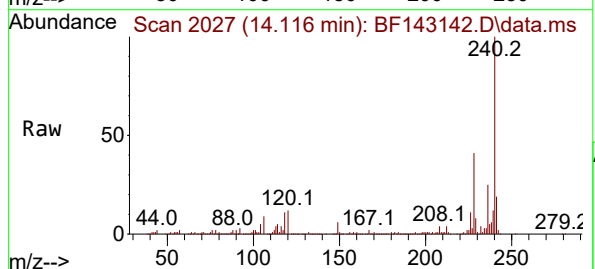
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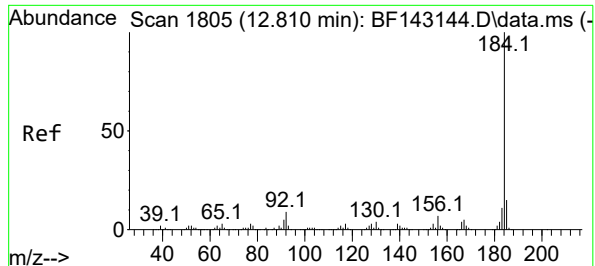
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

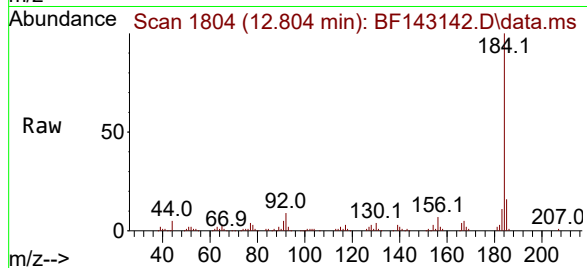
Tgt Ion:240 Resp: 254650
Ion Ratio Lower Upper
240 100
120 12.2 9.4 14.2
236 25.1 20.2 30.4





#77
Benzidine
Concen: 9.834 ng
RT: 12.804 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

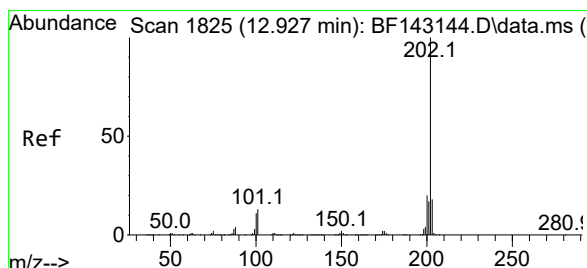
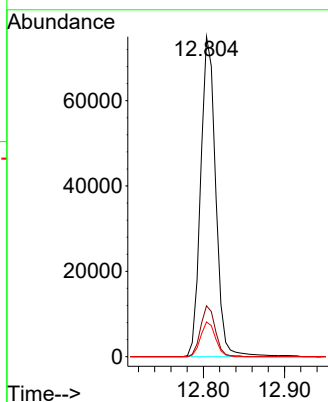
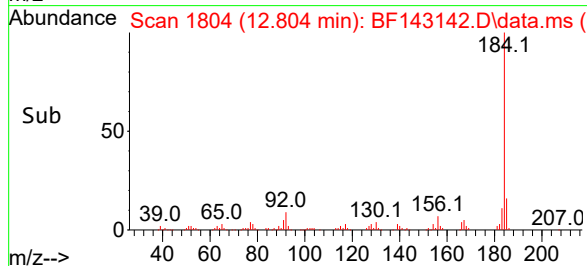
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:184 Resp: 96484
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.4
183 10.9 9.0 13.4

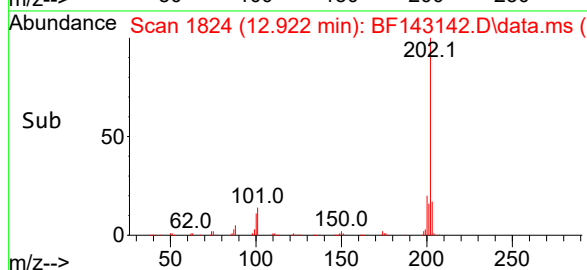
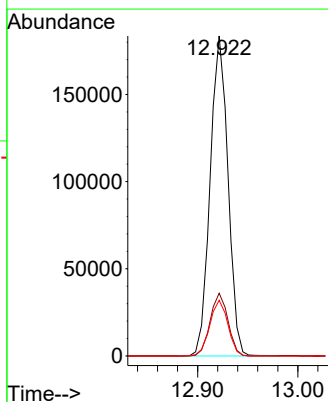
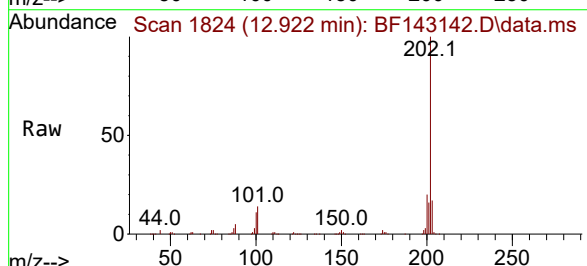
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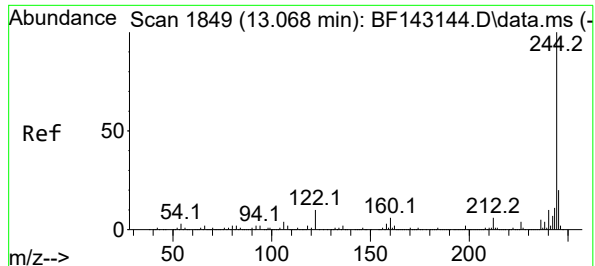
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 10.445 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:202 Resp: 227008
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 21.669 ng

RT: 13.063 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:244 Resp: 370808

Ion Ratio Lower Upper

244 100

212 6.1 5.2 7.8

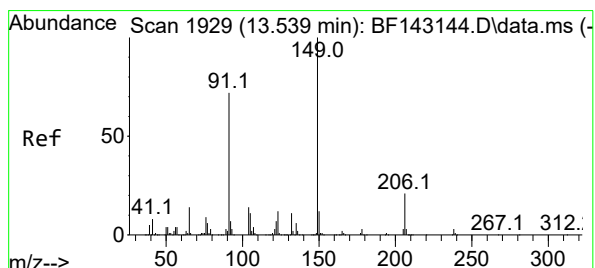
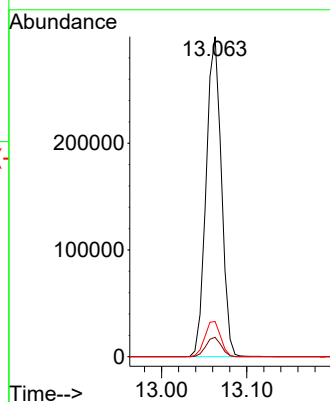
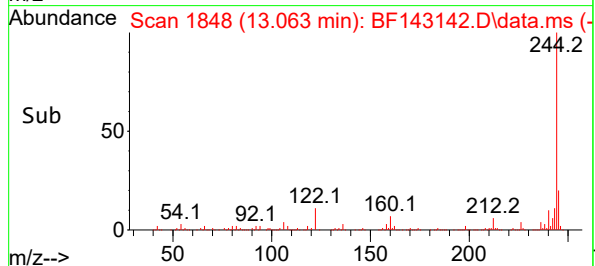
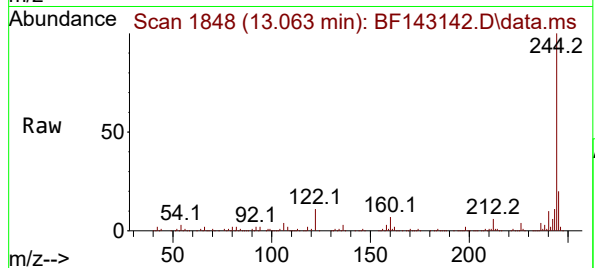
122 11.0 8.2 12.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 9.024 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

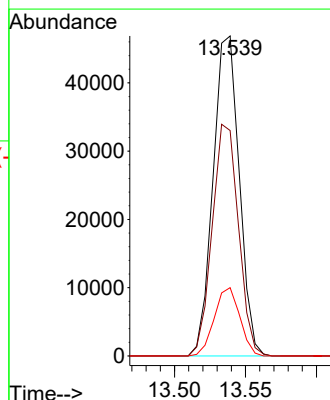
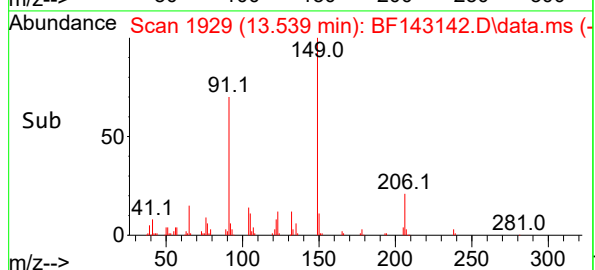
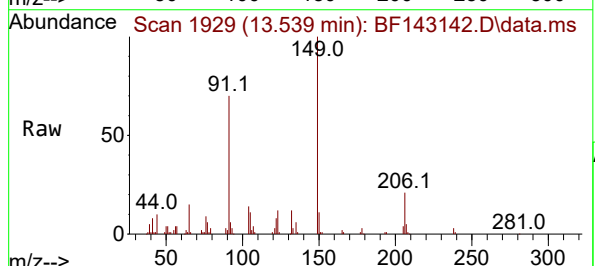
Tgt Ion:149 Resp: 60055

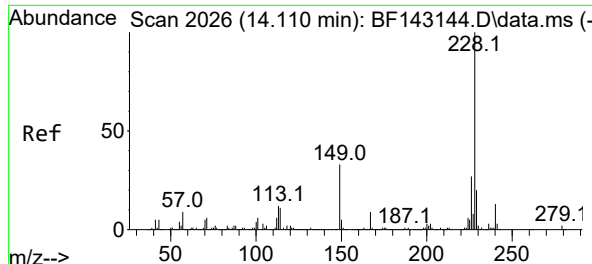
Ion Ratio Lower Upper

149 100

91 70.4 57.9 86.9

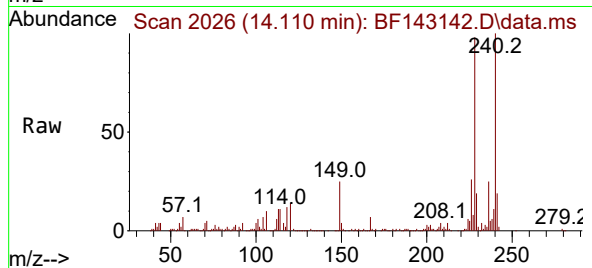
206 21.3 17.0 25.4





#81
Benzo(a)anthracene
Concen: 10.207 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

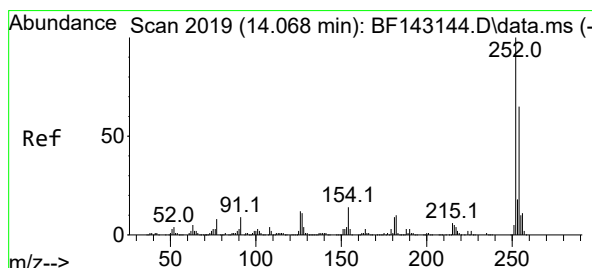
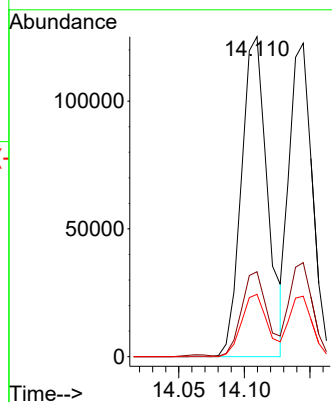
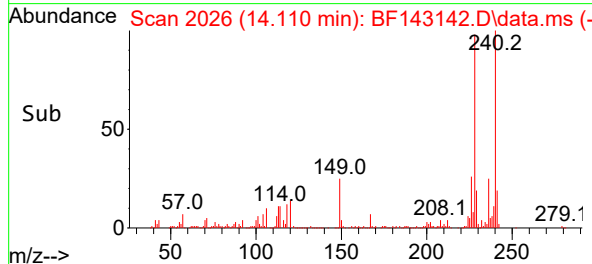
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



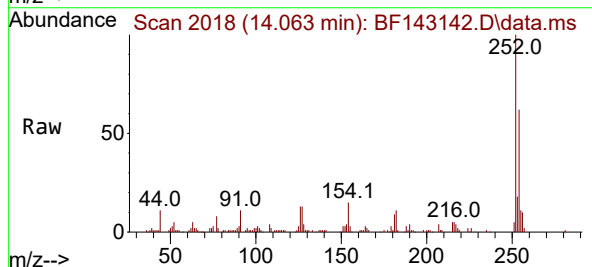
Tgt Ion:228 Resp: 174020
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.5 15.8 23.6

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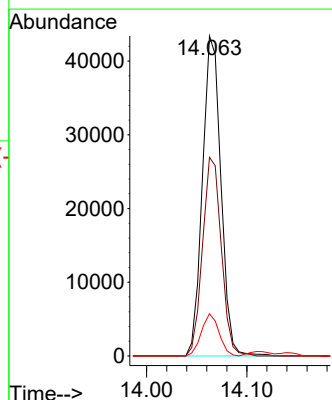
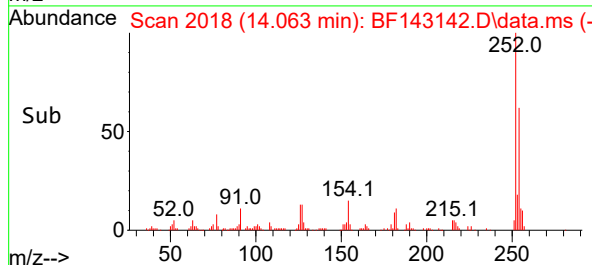
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

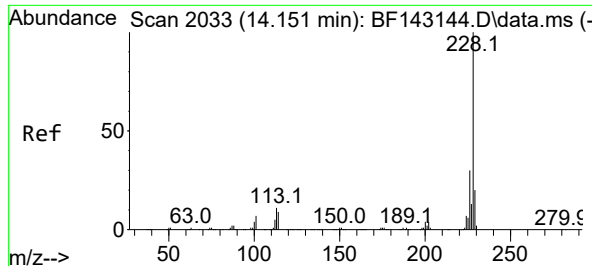


#82
3,3'-Dichlorobenzidine
Concen: 9.802 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



Tgt Ion:252 Resp: 55694
Ion Ratio Lower Upper
252 100
254 62.0 51.7 77.5
126 13.2 9.4 14.0





#83

Chrysene

Concen: 9.750 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:228 Resp: 149440

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

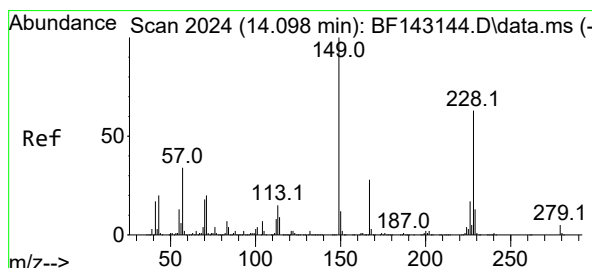
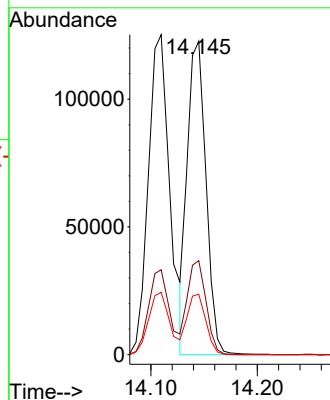
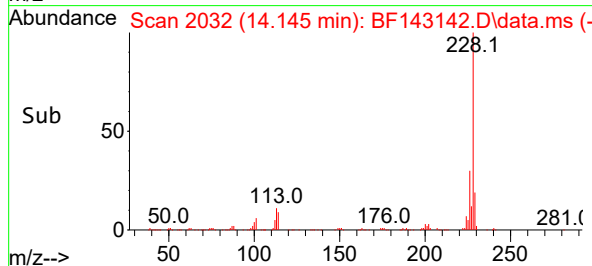
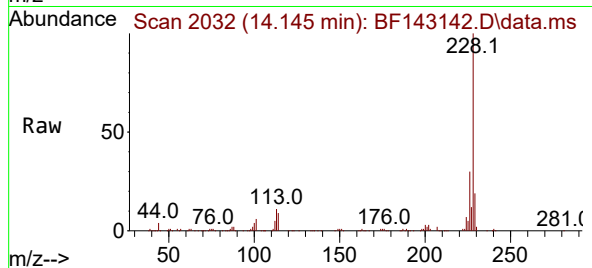
229 19.3 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.549 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

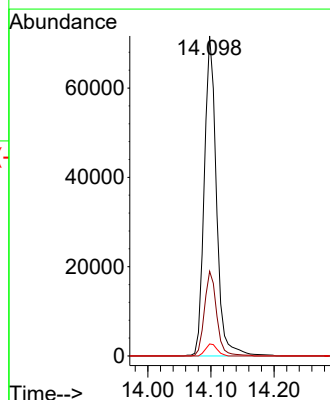
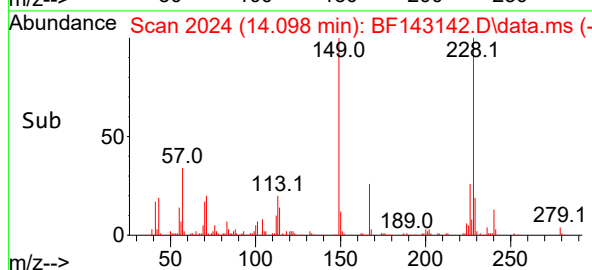
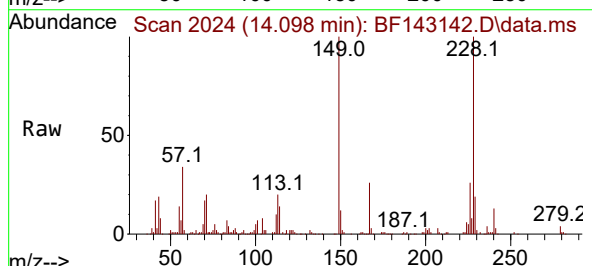
Tgt Ion:149 Resp: 96191

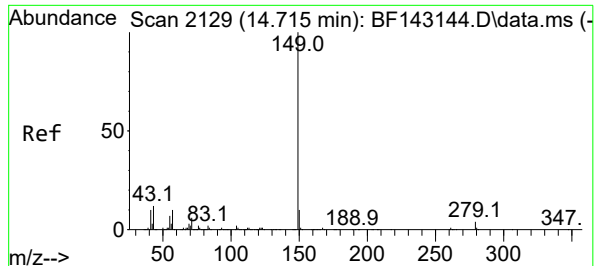
Ion Ratio Lower Upper

149 100

167 26.5 22.3 33.5

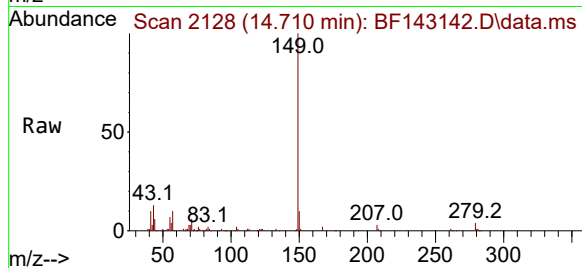
279 3.7 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 8.881 ng
RT: 14.710 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

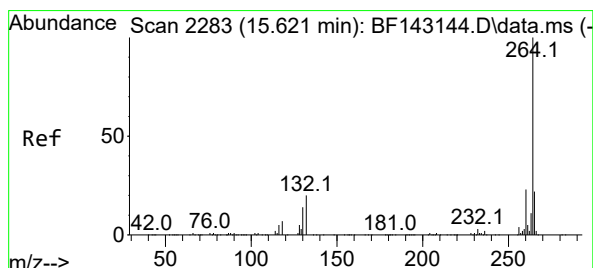
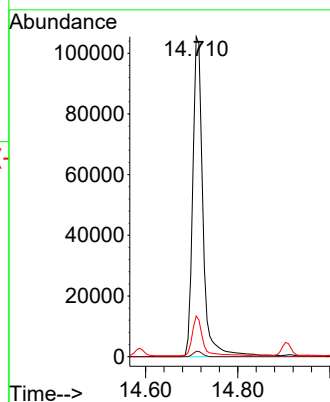
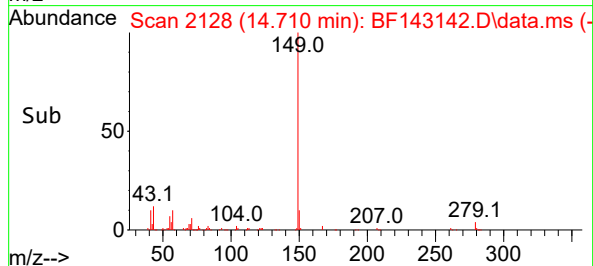
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:149 Resp: 162150
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.7 9.7 14.5

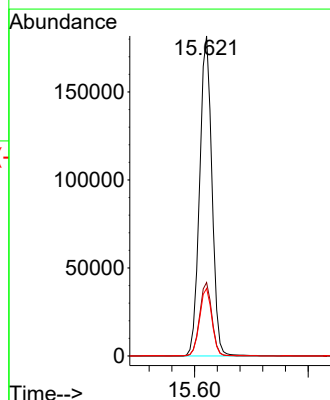
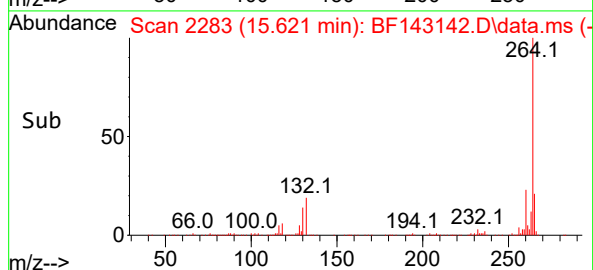
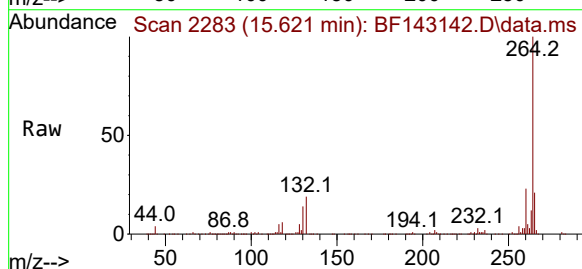
Manual Integrations
APPROVED

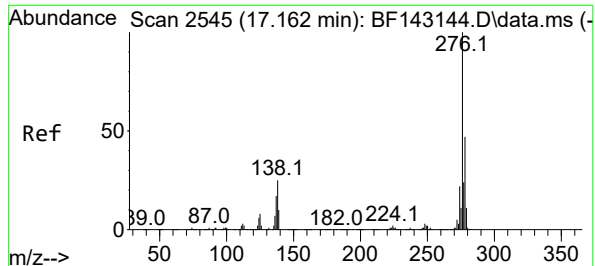
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

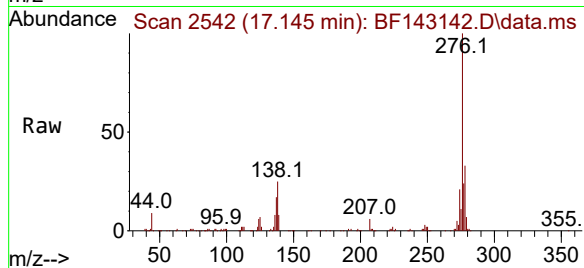
Tgt Ion:264 Resp: 273706
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.1 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.475 ng
RT: 17.145 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

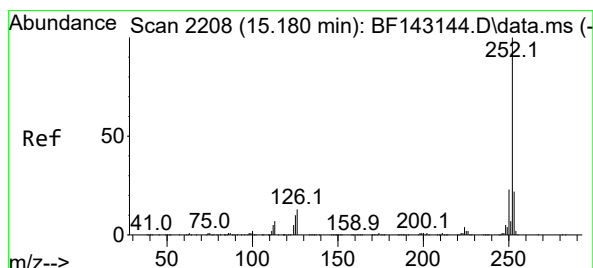
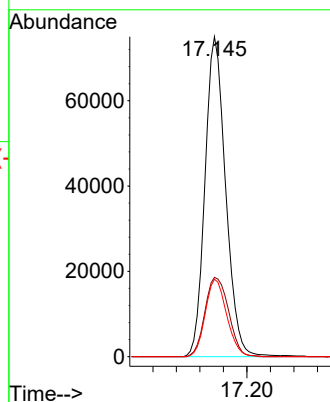
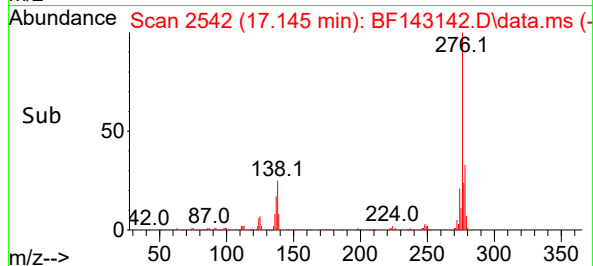
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



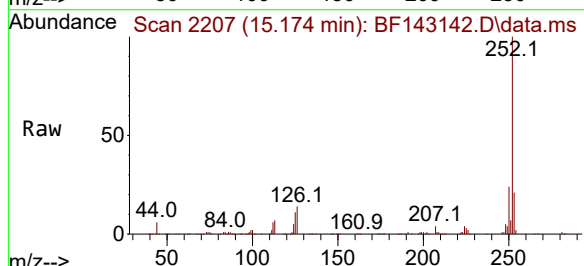
Tgt Ion:276 Resp: 182869
Ion Ratio Lower Upper
276 100
138 28.3 21.8 32.6
277 25.1 20.0 30.0

Manual Integrations
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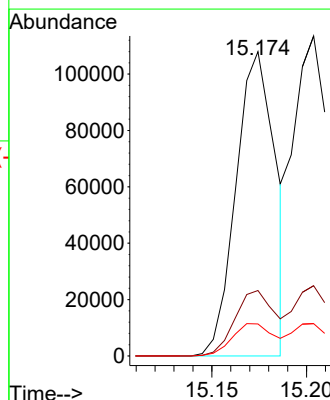
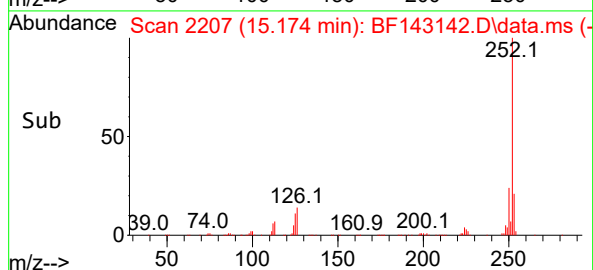
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

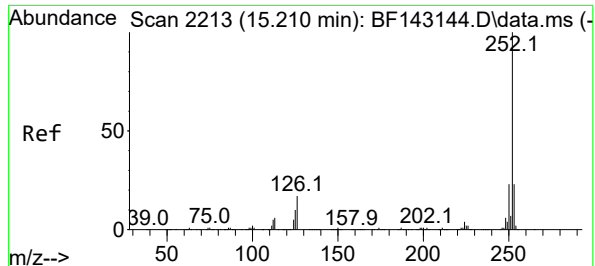


#88
Benzo(b)fluoranthene
Concen: 9.296 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



Tgt Ion:252 Resp: 155430
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.5 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 10.567 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 15766

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

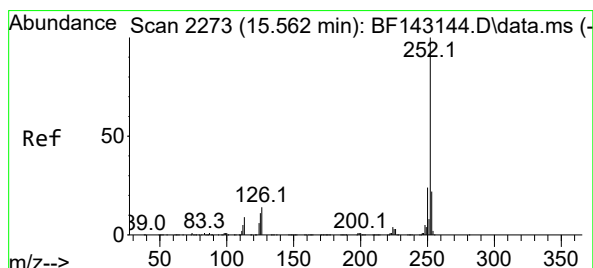
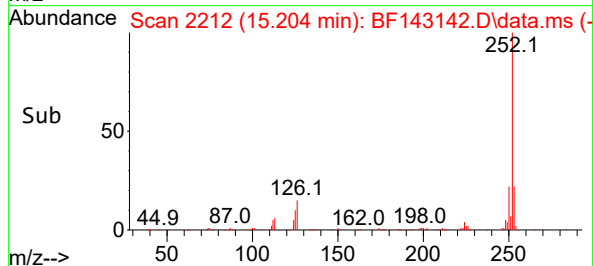
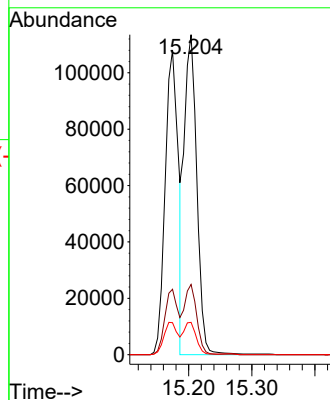
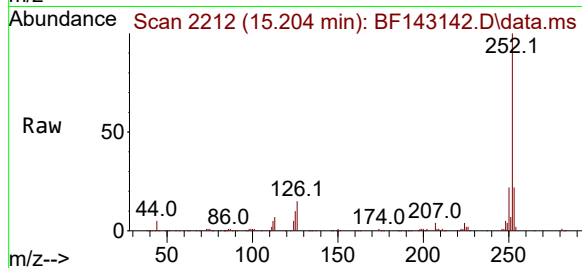
125 10.1 8.1 12.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 9.792 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

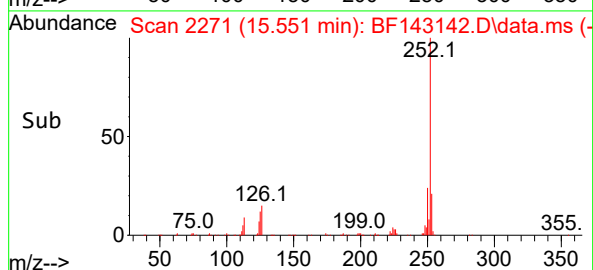
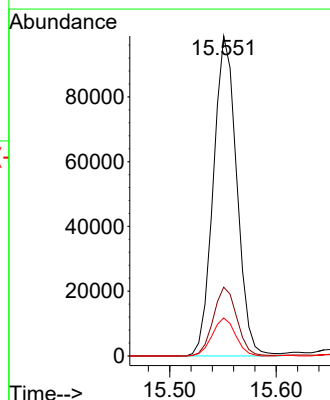
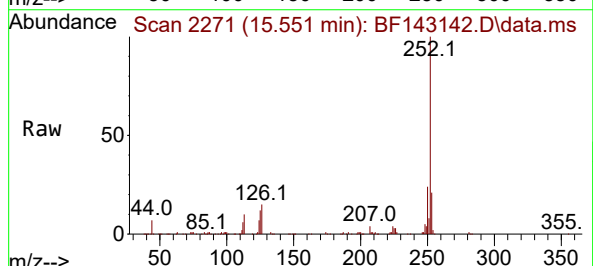
Tgt Ion:252 Resp: 150853

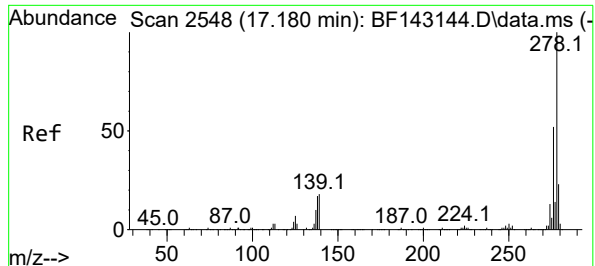
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

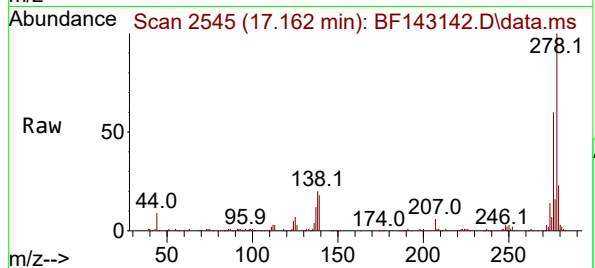
125 11.9 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 9.611 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

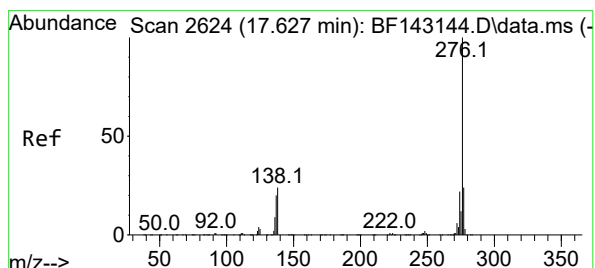
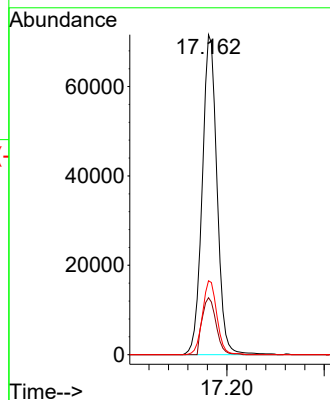
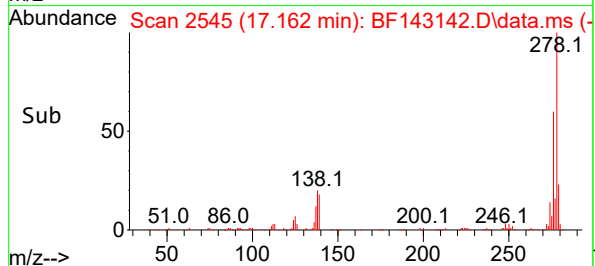
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:278 Resp: 15097
Ion Ratio Lower Upper
278 100
139 17.8 14.1 21.1
279 23.1 18.6 28.0

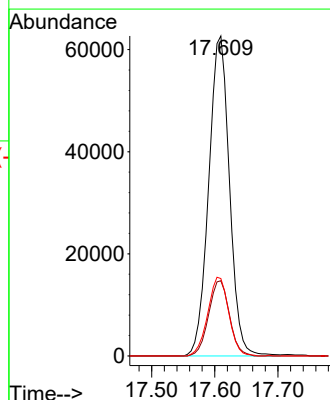
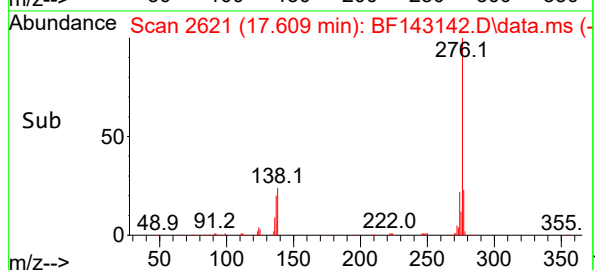
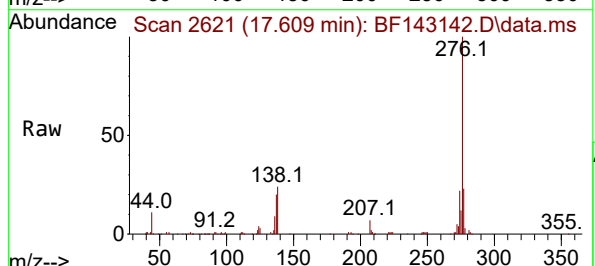
Manual Integrations
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Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 9.433 ng
RT: 17.609 min Scan# 2621
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:276 Resp: 143342
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 24.2 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143143.D
 Acq On : 17 Jul 2025 12:34
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:02:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	168491	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	642580	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	329670	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	532921	20.000	ng	0.00
76) Chrysene-d12	14.121	240	305398	20.000	ng	0.00
86) Perylene-d12	15.621	264	338518	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	444546	41.752	ng	0.00
7) Phenol-d6	6.575	99	558427	41.668	ng	-0.01
23) Nitrobenzene-d5	7.516	82	535581m	41.547	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	139748	41.034	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1019688	42.301	ng	0.00
79) Terphenyl-d14	13.063	244	866830	42.238	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	103481	20.540	ng	99
3) Pyridine	3.581	79	261405	19.990	ng	99
4) n-Nitrosodimethylamine	3.510	42	134638	19.942	ng	99
6) Aniline	6.622	93	382991	20.505	ng	99
8) 2-Chlorophenol	6.745	128	231044	20.702	ng	98
9) Benzaldehyde	6.510	77	196003	19.504	ng	98
10) Phenol	6.593	94	299259m	20.497	ng	
11) bis(2-Chloroethyl)ether	6.692	93	232425	20.792	ng	98
12) 1,3-Dichlorobenzene	6.904	146	251734	20.763	ng	99
13) 1,4-Dichlorobenzene	6.981	146	253137	20.733	ng	100
14) 1,2-Dichlorobenzene	7.134	146	243437	20.963	ng	99
15) Benzyl Alcohol	7.092	79	210016	20.524	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	428827	20.680	ng	100
17) 2-Methylphenol	7.198	107	192172	20.479	ng	99
18) Hexachloroethane	7.481	117	88036	20.828	ng	98
19) n-Nitroso-di-n-propyla...	7.363	70	173142	20.137	ng	97
20) 3+4-Methylphenols	7.351	107	247578	21.745	ng	96
22) Acetophenone	7.363	105	321774	21.151	ng	# 99
24) Nitrobenzene	7.534	77	249251	20.739	ng	98
25) Isophorone	7.775	82	457146	20.088	ng	99
26) 2-Nitrophenol	7.851	139	105681	20.261	ng	98
27) 2,4-Dimethylphenol	7.887	122	218960	20.594	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	283946	20.811	ng	100
29) 2,4-Dichlorophenol	8.092	162	184432	20.569	ng	99
30) 1,2,4-Trichlorobenzene	8.181	180	204103	21.070	ng	98
31) Naphthalene	8.263	128	662968	20.949	ng	100
32) Benzoic acid	7.957	122	95515m	19.382	ng	
33) 4-Chloroaniline	8.304	127	269101	20.825	ng	99
34) Hexachlorobutadiene	8.386	225	122624	20.722	ng	98
35) Caprolactam	8.651	113	53950	19.911	ng	95
36) 4-Chloro-3-methylphenol	8.775	107	197317	20.246	ng	99
37) 2-Methylnaphthalene	8.957	142	403298	20.943	ng	100
38) 1-Methylnaphthalene	9.057	142	417629	21.060	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	198009	20.804	ng	99
41) Hexachlorocyclopentadiene	9.116	237	122922	19.848	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	135703	20.601	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143143.D
 Acq On : 17 Jul 2025 12:34
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:02:41 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jul 17 14:54:43 2025

Response via : Initial Calibration

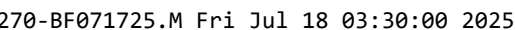
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	135634	20.584	ng	99
46) 1,1'-Biphenyl	9.416	154	540637	21.019	ng	100
47) 2-Chloronaphthalene	9.445	162	393002	20.650	ng	99
48) 2-Nitroaniline	9.528	65	122517	20.528	ng	99
49) Acenaphthylene	9.857	152	663048	20.789	ng	100
50) Dimethylphthalate	9.710	163	441768	20.558	ng	100
51) 2,6-Dinitrotoluene	9.769	165	89742	20.529	ng	97
52) Acenaphthene	10.033	154	390249	20.702	ng	99
53) 3-Nitroaniline	9.933	138	103870	20.314	ng	94
54) 2,4-Dinitrophenol	10.039	184	26820	19.073	ng #	1
55) Dibenzofuran	10.204	168	582320	20.806	ng	98
56) 4-Nitrophenol	10.081	139	75275	19.715	ng	99
57) 2,4-Dinitrotoluene	10.169	165	112851	20.577	ng	99
58) Fluorene	10.545	166	435866	20.750	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	113851	20.859	ng	100
60) Diethylphthalate	10.410	149	440058	20.719	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	216496	20.699	ng	99
62) 4-Nitroaniline	10.545	138	87666	20.005	ng	99
63) Azobenzene	10.698	77	458013	20.690	ng	99
65) 4,6-Dinitro-2-methylph...	10.580	198	46122	20.060	ng	95
66) n-Nitrosodiphenylamine	10.651	169	384467	20.488	ng	100
67) 4-Bromophenyl-phenylether	11.028	248	128663	20.259	ng	99
68) Hexachlorobenzene	11.098	284	134031	20.191	ng	99
69) Atrazine	11.169	200	105386	20.370	ng	99
70) Pentachlorophenol	11.280	266	77906	19.957	ng	99
71) Phenanthrene	11.510	178	595411	21.042	ng	99
72) Anthracene	11.557	178	604416	20.944	ng	99
73) Carbazole	11.704	167	523365	20.769	ng	100
74) Di-n-butylphthalate	12.039	149	601867	21.108	ng	100
75) Fluoranthene	12.692	202	542662	20.894	ng	99
77) Benzidine	12.810	184	257904	21.919	ng	99
78) Pyrene	12.922	202	544650	20.897	ng	99
80) Butylbenzylphthalate	13.539	149	163546	20.491	ng	99
81) Benzo(a)anthracene	14.110	228	421791	20.629	ng	99
82) 3,3'-Dichlorobenzidine	14.068	252	151153	22.181	ng	100
83) Chrysene	14.145	228	380799	20.714	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	251739	20.839	ng	99
85) Di-n-octyl phthalate	14.716	149	436102	19.916	ng	99
87) Indeno(1,2,3-cd)pyrene	17.151	276	484240	20.286	ng	99
88) Benzo(b)fluoranthene	15.174	252	435747	21.071	ng	99
89) Benzo(k)fluoranthene	15.204	252	369899	20.044	ng	100
90) Benzo(a)pyrene	15.557	252	388136	20.371	ng	99
91) Dibenzo(a,h)anthracene	17.168	278	398949	20.534	ng	99
92) Benzo(g,h,i)perylene	17.615	276	385915	20.534	ng	99

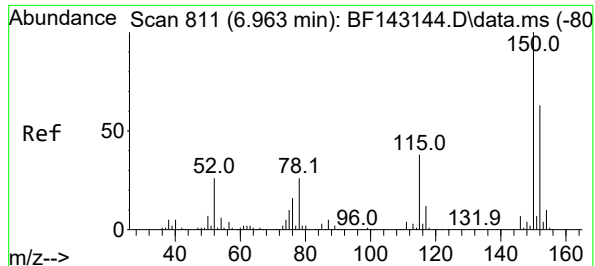
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

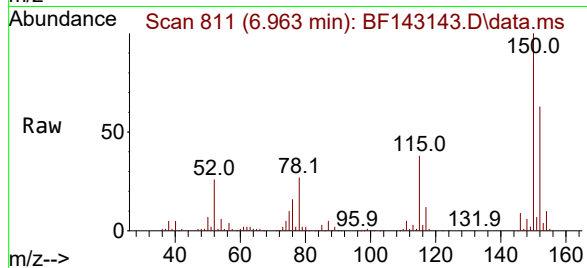
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jaagrut Upadhyay 07/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

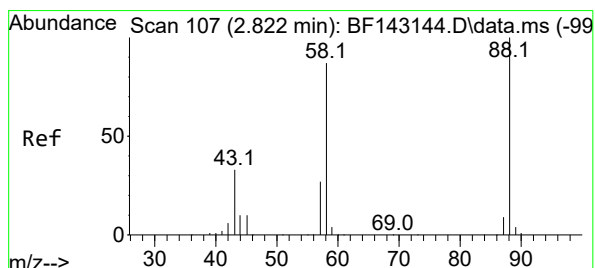
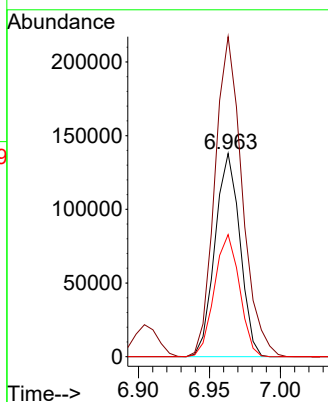
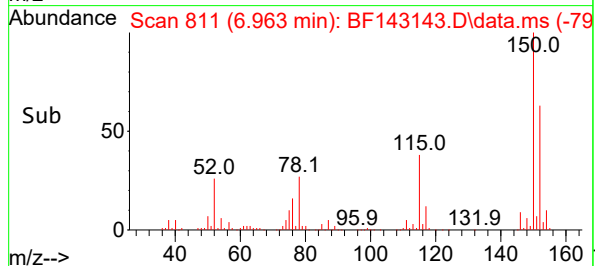
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 16849
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 60.1 47.9 71.9

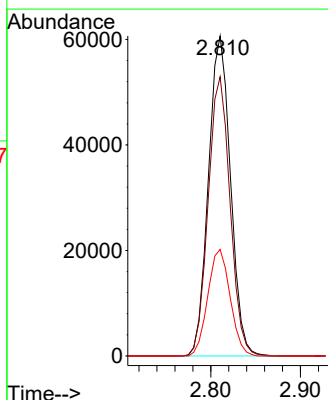
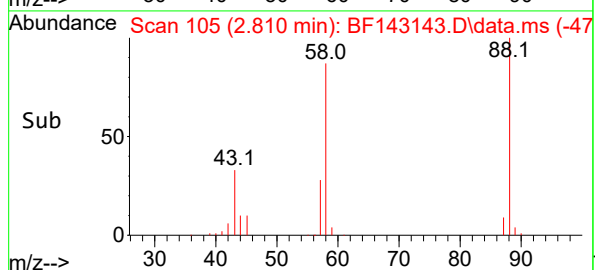
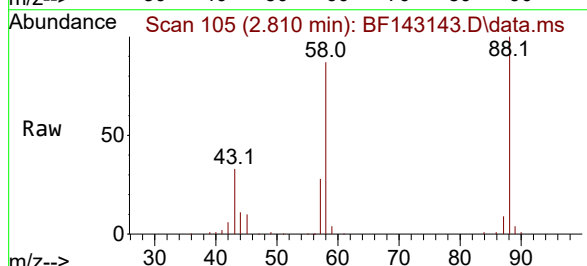
Manual Integrations
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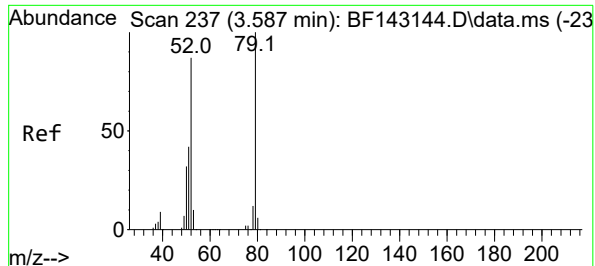
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 20.540 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 88 Resp: 103481
Ion Ratio Lower Upper
88 100
58 86.7 70.2 105.2
43 33.8 27.1 40.7





#3

Pyridine

Concen: 19.990 ng

RT: 3.581 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 26140

Ion Ratio Lower Upper

79 100

52 85.9 69.4 104.2

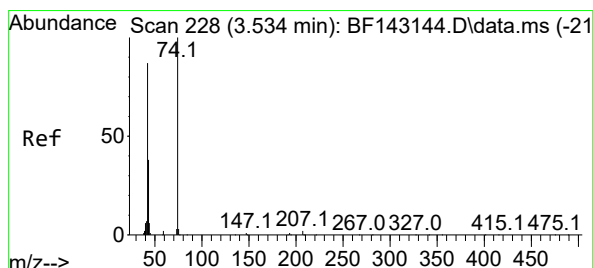
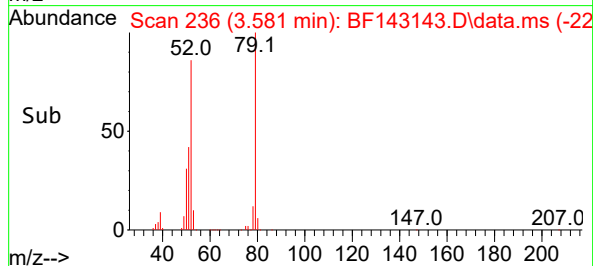
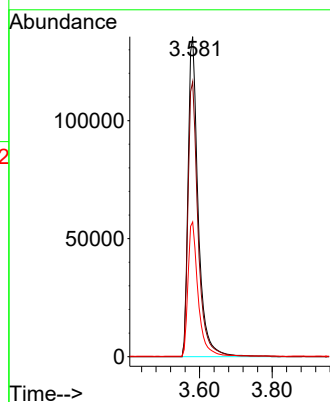
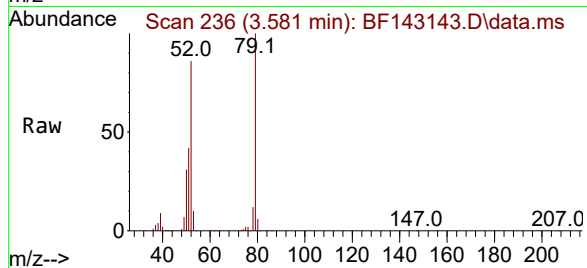
51 42.1 33.5 50.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#4

n-Nitrosodimethylamine

Concen: 19.942 ng

RT: 3.510 min Scan# 224

Delta R.T. -0.023 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

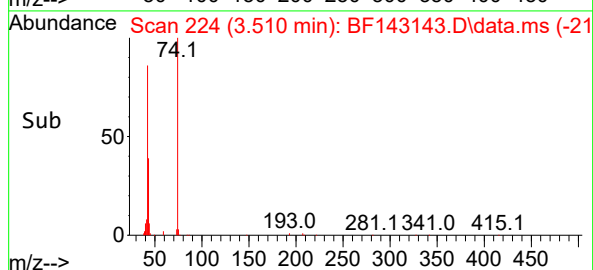
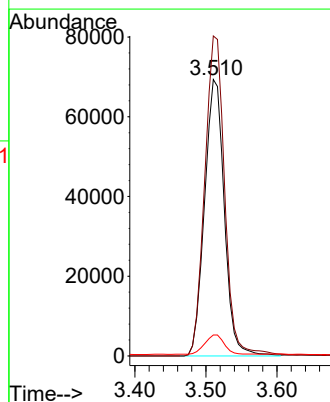
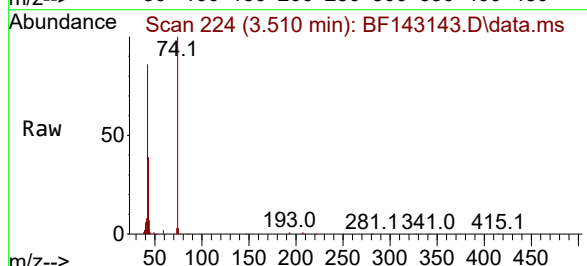
Tgt Ion: 42 Resp: 134638

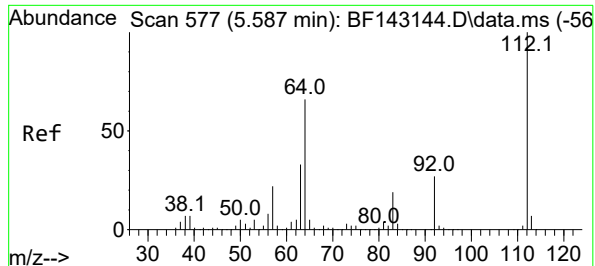
Ion Ratio Lower Upper

42 100

74 115.7 91.7 137.5

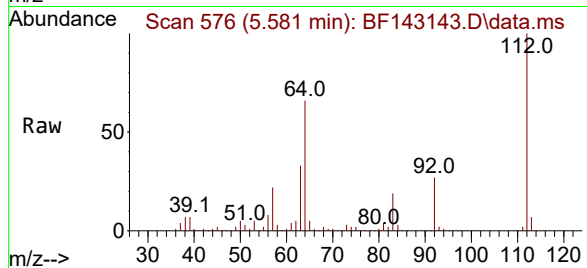
44 7.6 5.6 8.4





#5
2-Fluorophenol
Concen: 41.752 ng
RT: 5.581 min Scan# 511
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

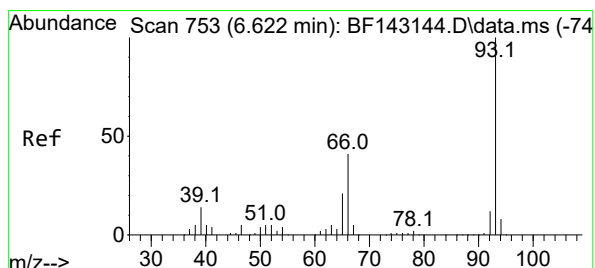
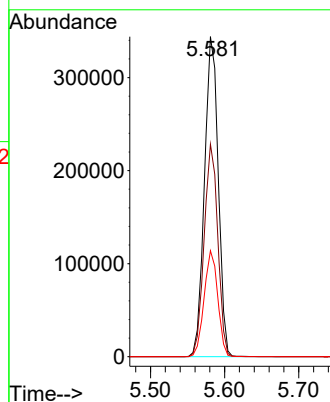
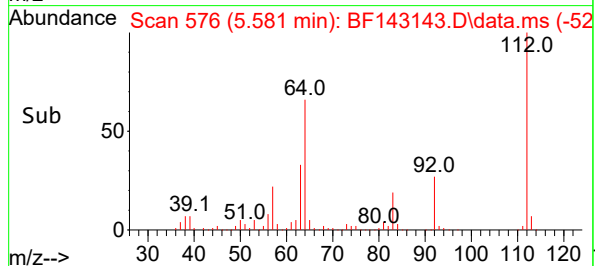
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:112 Resp: 444540
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.1 26.6 40.0

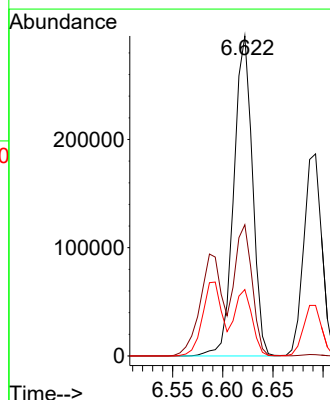
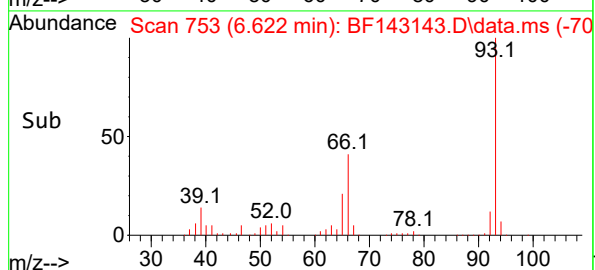
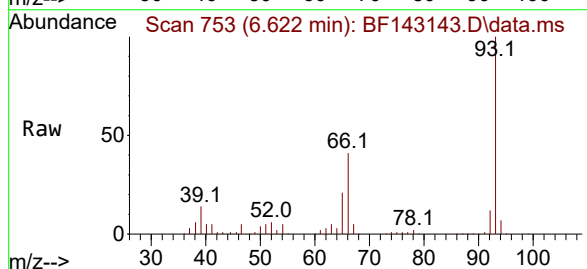
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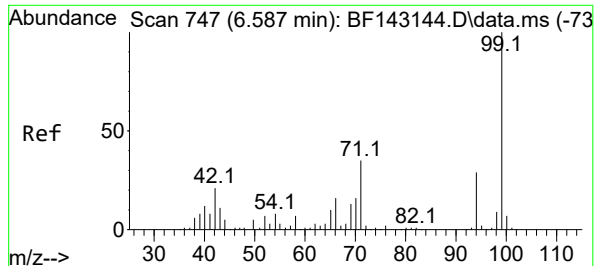
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 20.505 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

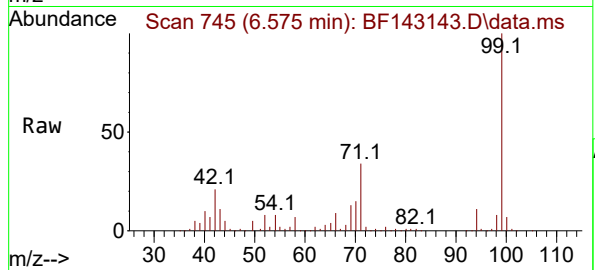
Tgt Ion: 93 Resp: 382991
Ion Ratio Lower Upper
93 100
66 41.0 33.2 49.8
65 20.7 16.9 25.3





#7
Phenol-d6
Concen: 41.668 ng
RT: 6.575 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

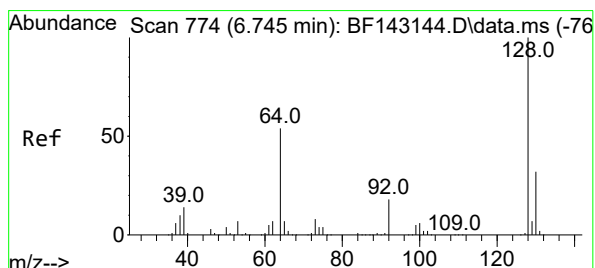
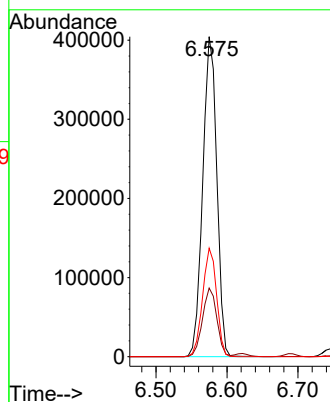
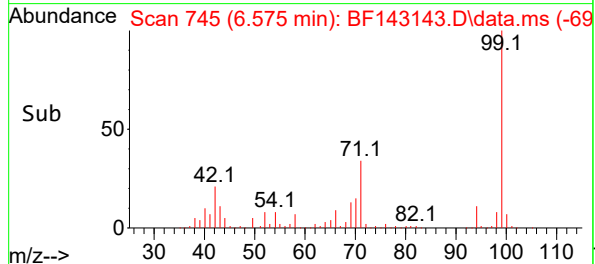
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 99 Resp: 55842
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 33.9 27.7 41.5

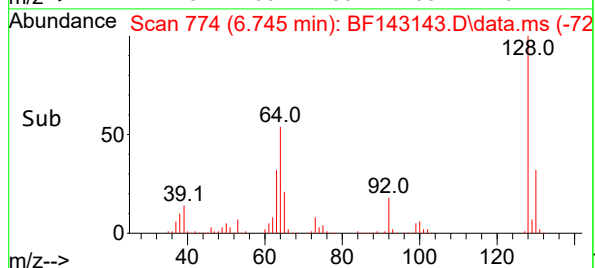
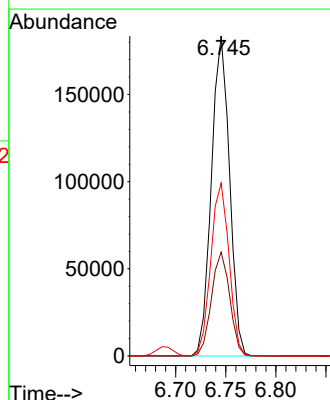
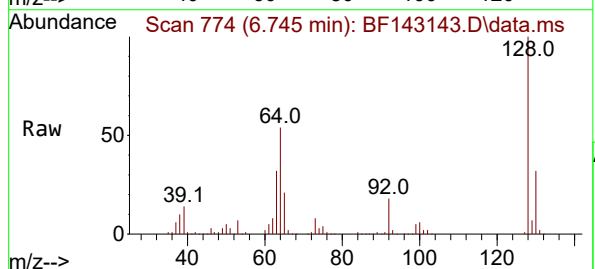
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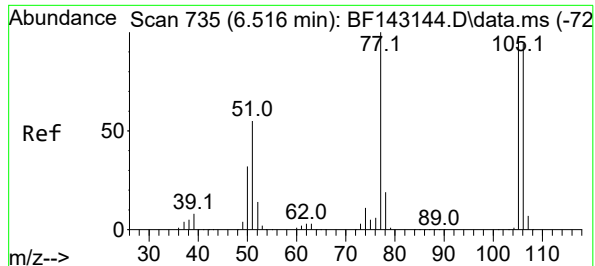
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#8
2-Chlorophenol
Concen: 20.702 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:128 Resp: 231044
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 54.0 35.9 75.9





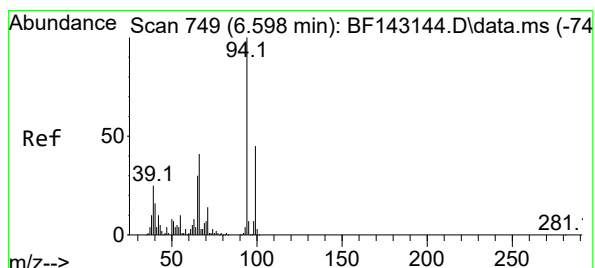
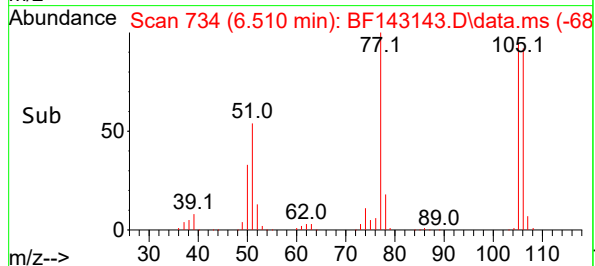
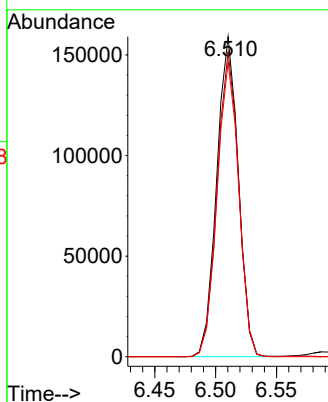
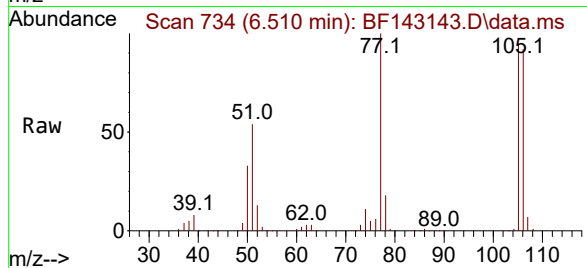
#9
Benzaldehyde
Concen: 19.504 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 19600
Ion Ratio Lower Upper
77 100
105 95.3 76.8 116.8
106 92.0 74.4 114.4

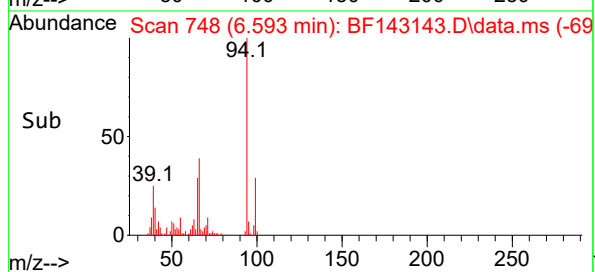
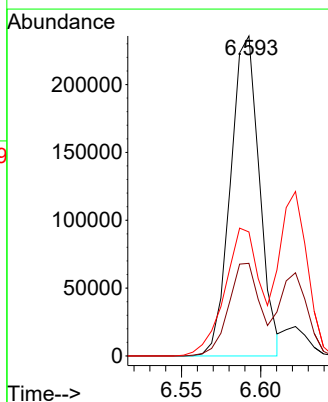
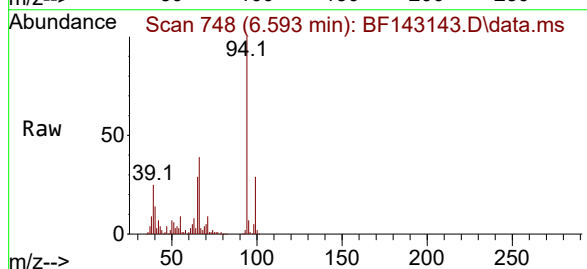
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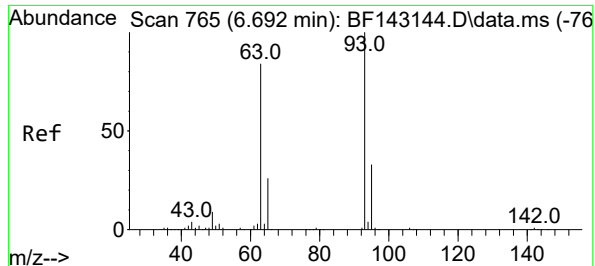
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#10
Phenol
Concen: 20.497 ng m
RT: 6.593 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 94 Resp: 299259
Ion Ratio Lower Upper
94 100
65 29.0 10.0 50.0
66 38.8 20.8 60.8





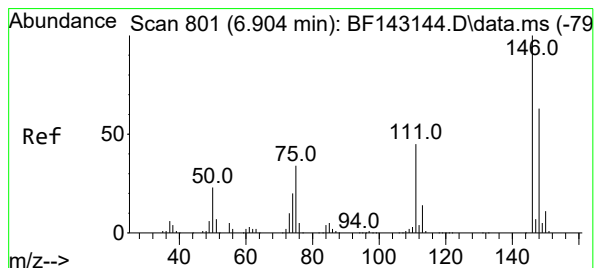
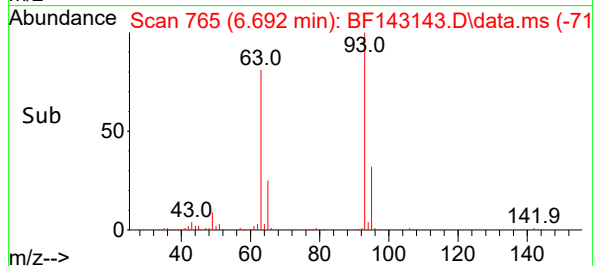
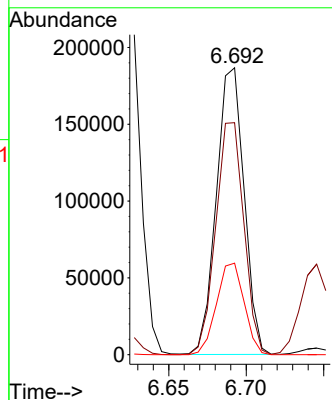
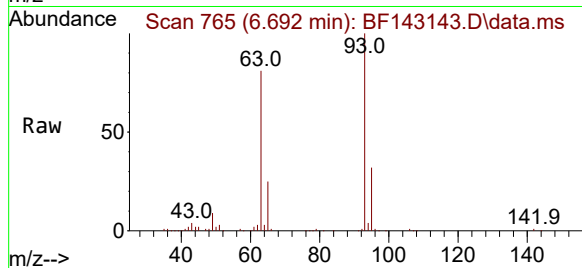
#11
bis(2-Chloroethyl)ether
Concen: 20.792 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 232425
Ion Ratio Lower Upper
93 100
63 80.9 63.4 103.4
95 31.9 12.4 52.4

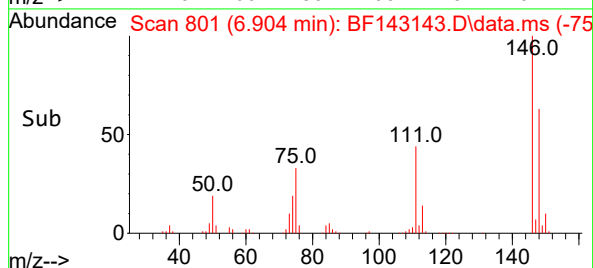
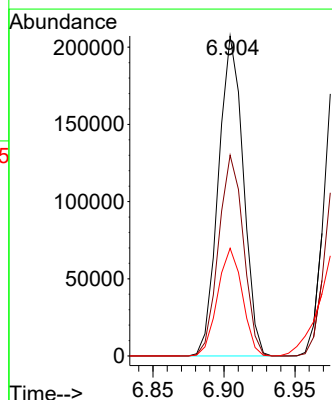
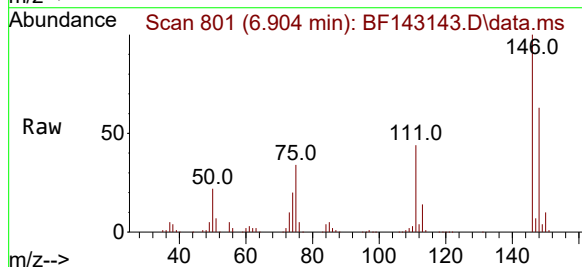
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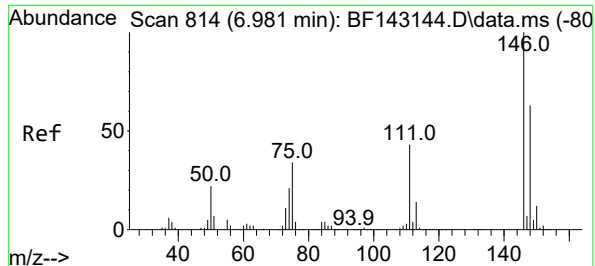
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 20.763 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:146 Resp: 251734
Ion Ratio Lower Upper
146 100
148 62.7 50.6 76.0
75 33.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 20.733 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 25313

Ion Ratio Lower Upper

146 100

148 62.9 50.3 75.5

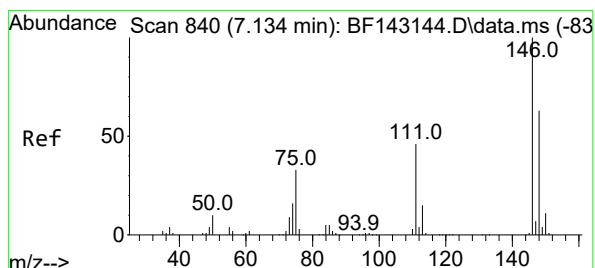
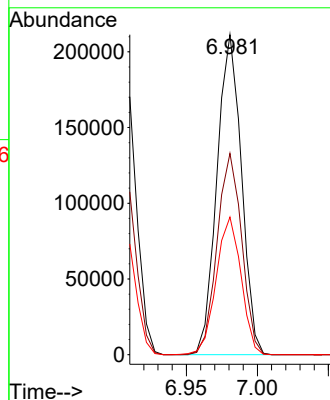
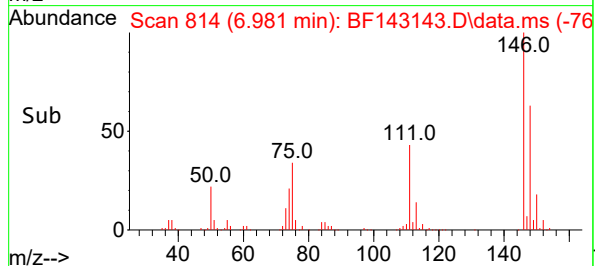
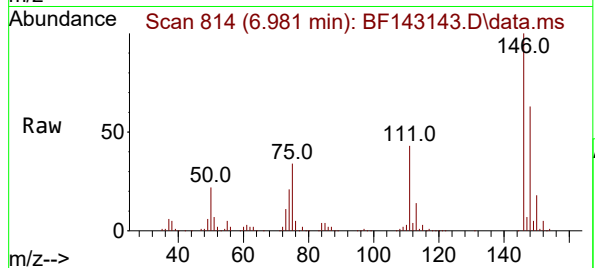
111 43.0 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 20.963 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

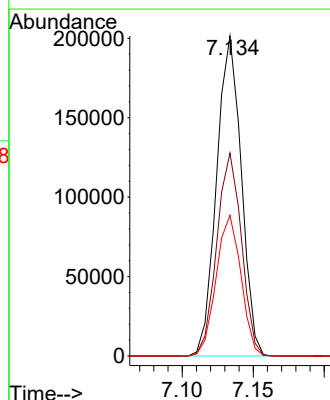
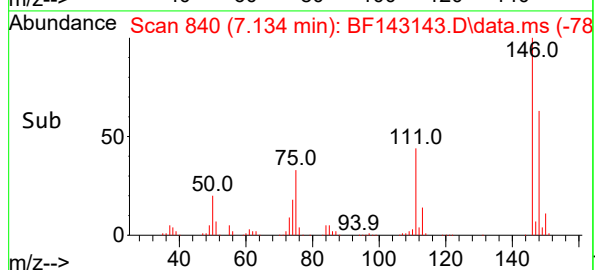
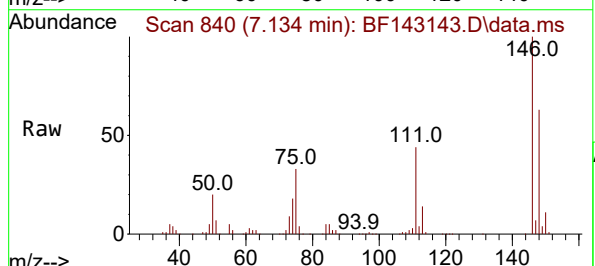
Tgt Ion:146 Resp: 243437

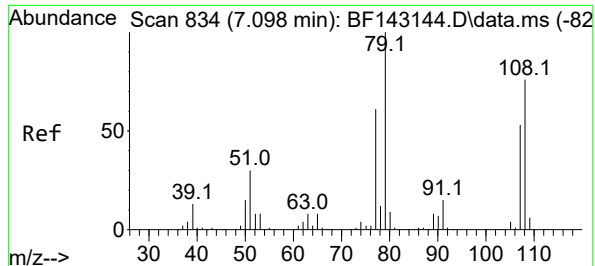
Ion Ratio Lower Upper

146 100

148 63.4 50.7 76.1

111 44.0 36.6 54.8





#15

Benzyl Alcohol

Concen: 20.524 ng

RT: 7.092 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 210010

Ion Ratio Lower Upper

79 100

108 75.0 61.1 91.7

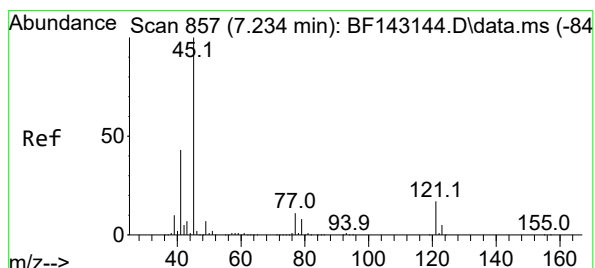
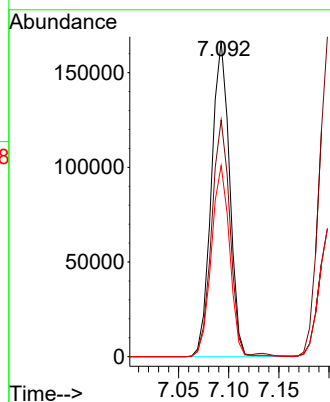
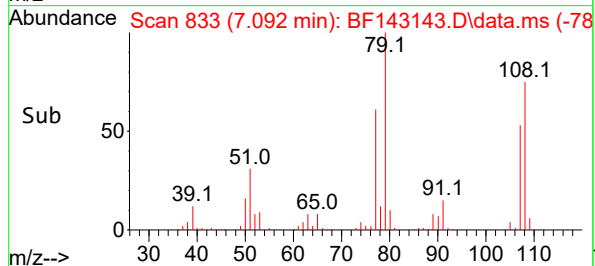
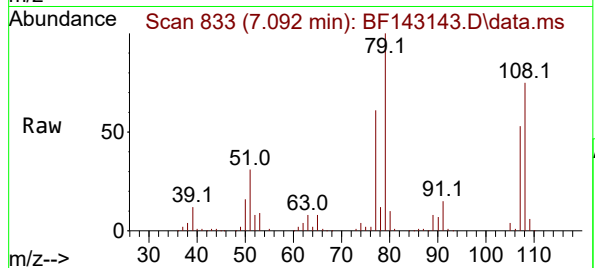
77 60.5 48.9 73.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.680 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

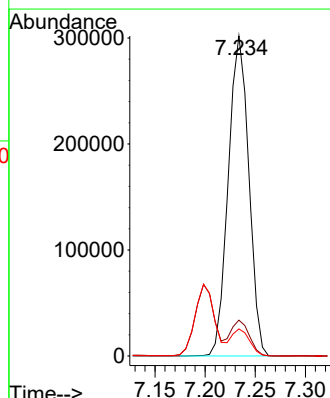
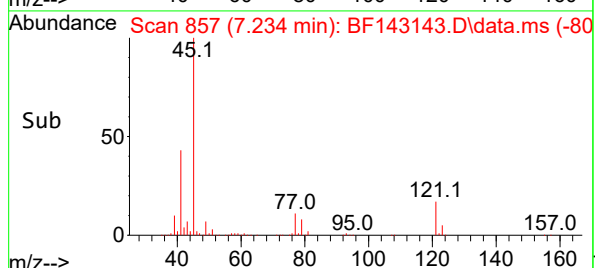
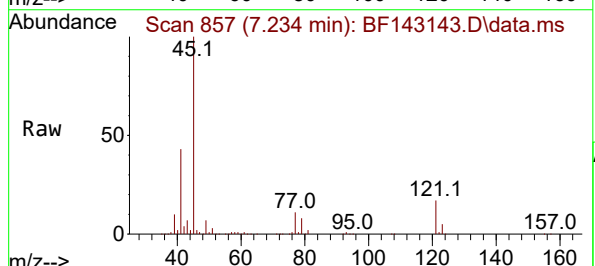
Tgt Ion: 45 Resp: 428827

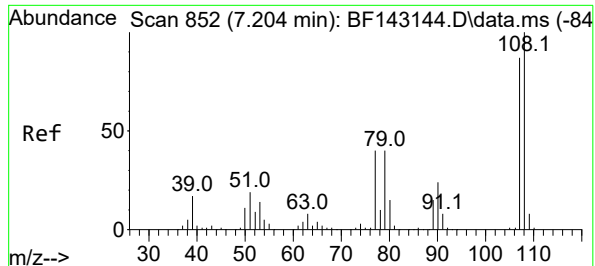
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.2

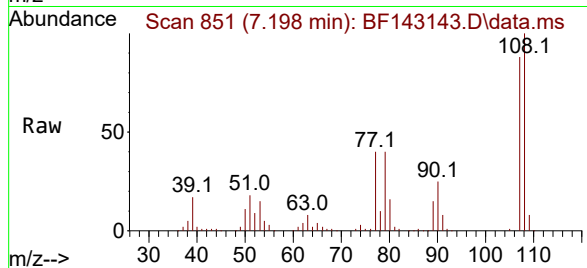
79 8.4 0.0 28.5





#17
2-Methylphenol
Concen: 20.479 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

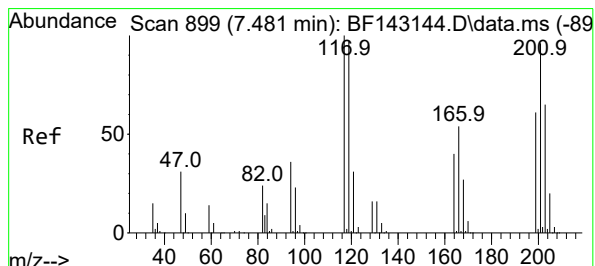
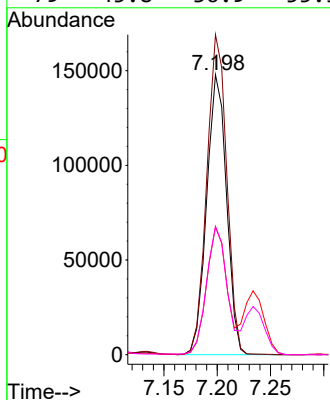
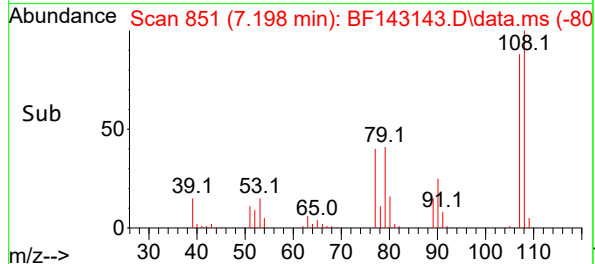
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:107 Resp: 192172
Ion Ratio Lower Upper
107 100
108 114.3 91.8 137.6
77 45.6 37.0 55.6
79 45.8 36.9 55.3

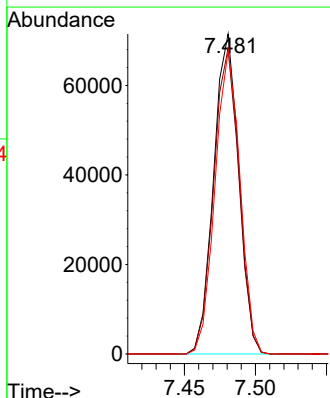
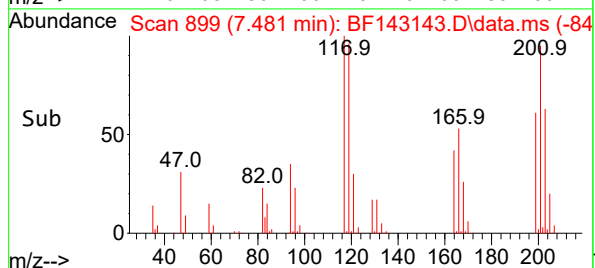
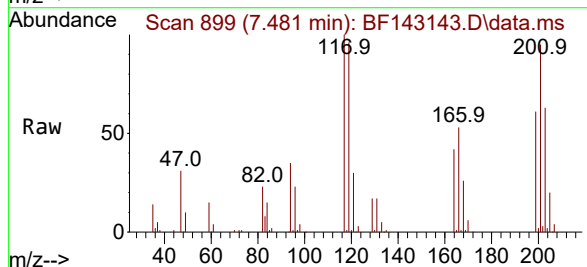
Manual Integrations
APPROVED

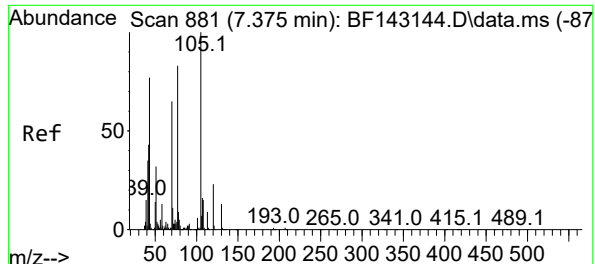
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 20.828 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:117 Resp: 88036
Ion Ratio Lower Upper
117 100
119 95.5 77.8 116.8
201 94.8 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 20.137 ng

RT: 7.363 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 17314

Ion Ratio Lower Upper

70 100

42 68.6 52.5 78.7

101 9.4 7.6 11.4

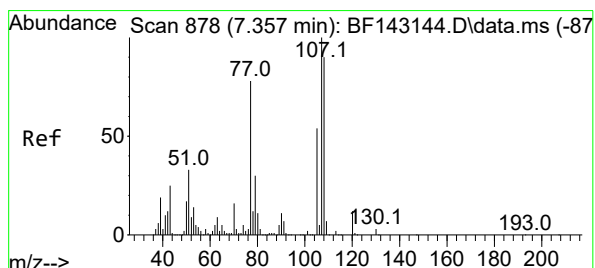
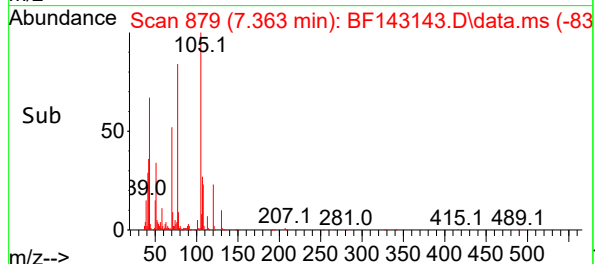
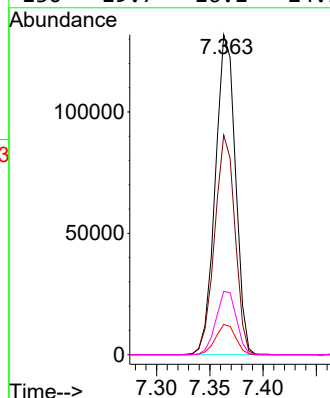
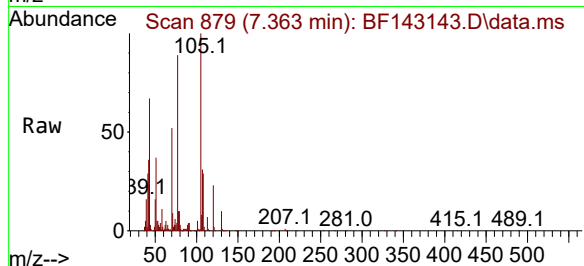
130 19.7 16.1 24.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#20

3+4-Methylphenols

Concen: 21.745 ng

RT: 7.351 min Scan# 877

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Tgt Ion:107 Resp: 247578

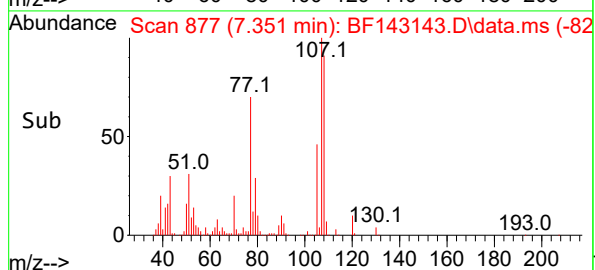
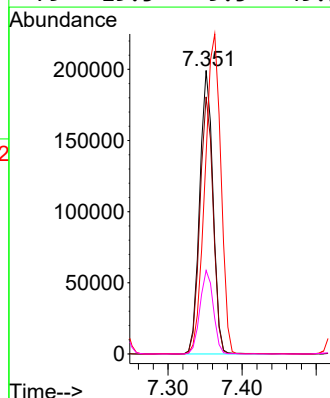
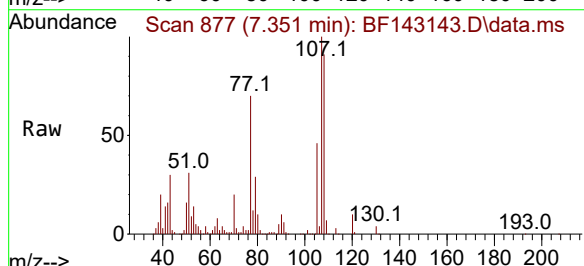
Ion Ratio Lower Upper

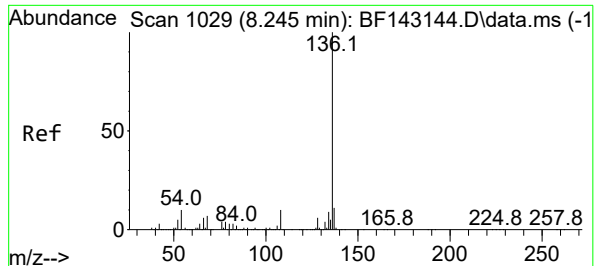
107 100

108 90.7 70.0 110.0

77 70.4 57.8 97.8

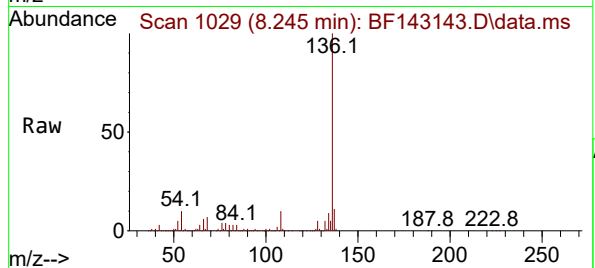
79 29.5 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

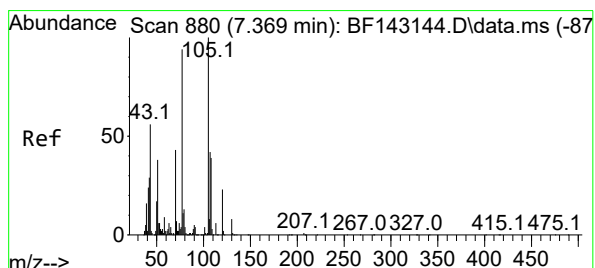
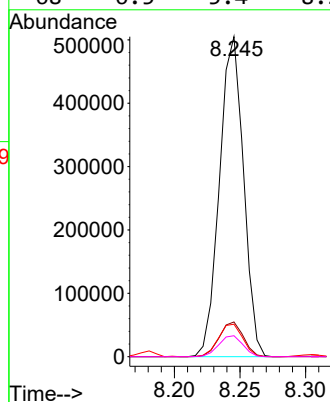
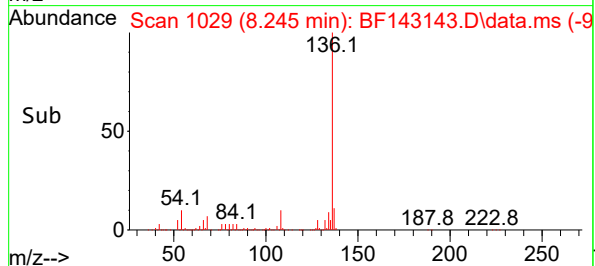
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:136 Resp: 642580
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.2 8.2 12.2
68 6.5 5.4 8.2

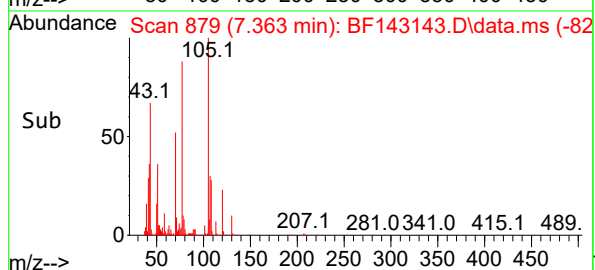
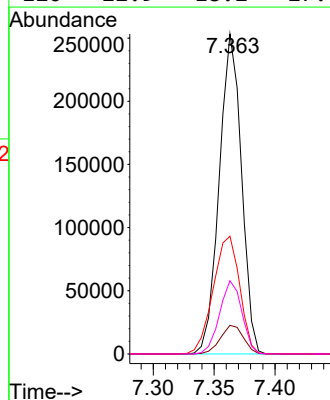
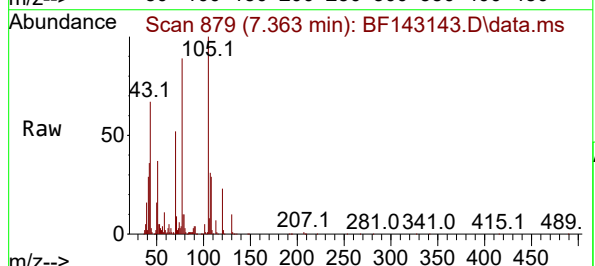
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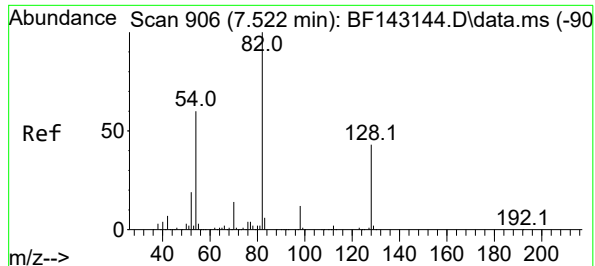
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 21.151 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:105 Resp: 321774
Ion Ratio Lower Upper
105 100
71 9.0 5.8 8.6#
51 36.8 30.2 45.2
120 22.9 18.2 27.4





#23
Nitrobenzene-d5
Concen: 41.547 ng m
RT: 7.516 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

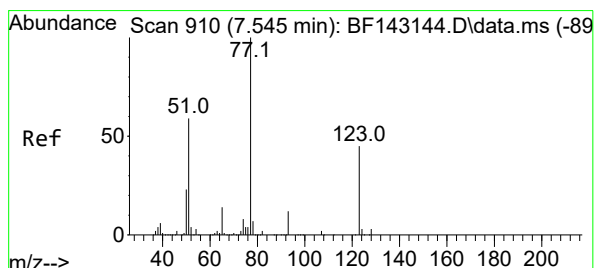
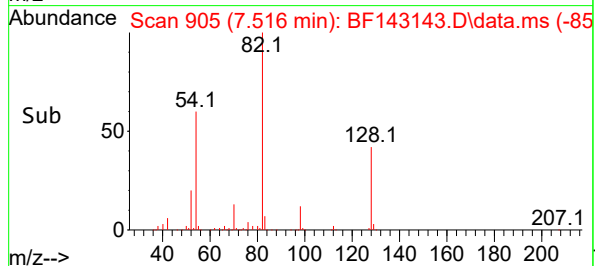
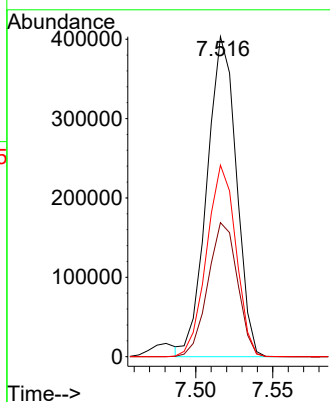
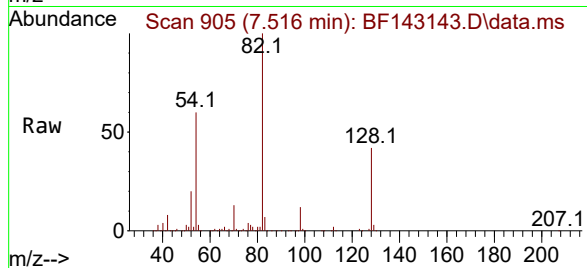
ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 53558
Ion Ratio Lower Upper
82 100
128 41.9 33.6 50.4
54 59.8 47.1 70.7

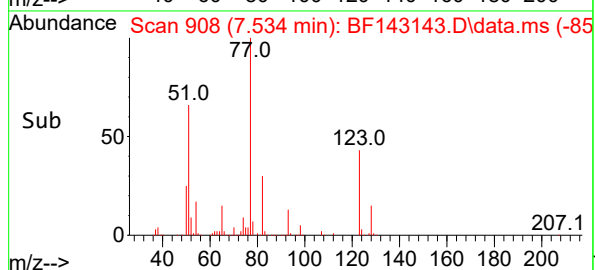
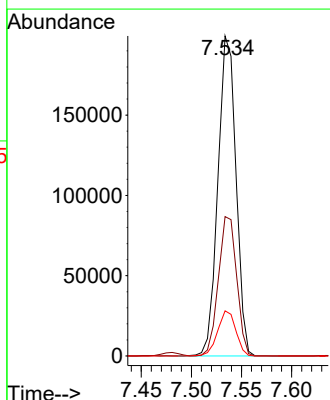
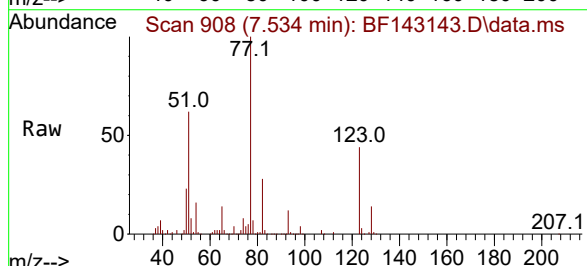
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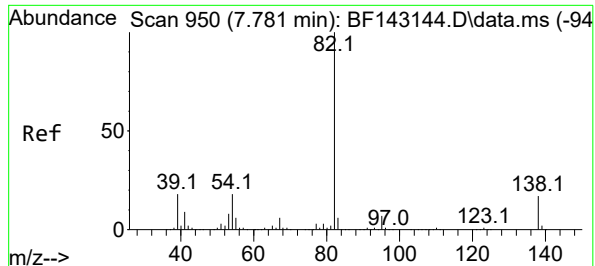
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#24
Nitrobenzene
Concen: 20.739 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 77 Resp: 249251
Ion Ratio Lower Upper
77 100
123 43.5 36.1 54.1
65 14.1 11.4 17.2





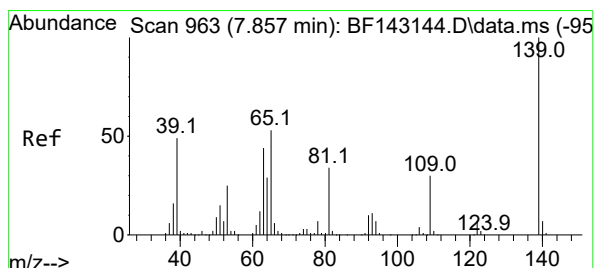
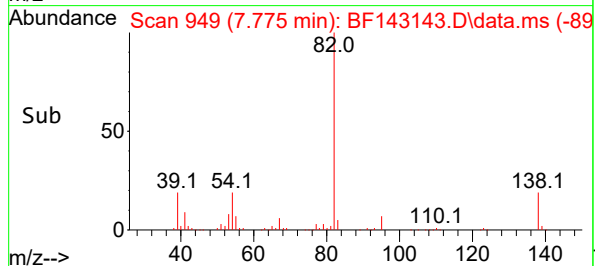
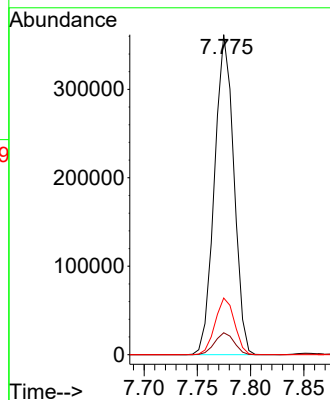
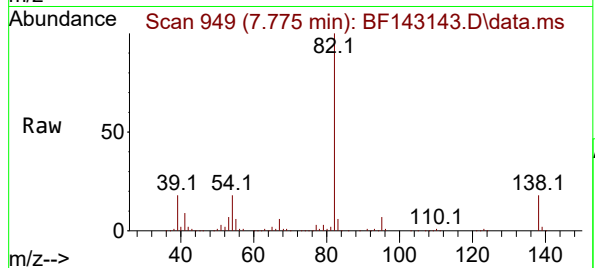
#25
Isophorone
Concen: 20.088 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 457140
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.7 13.8 20.8

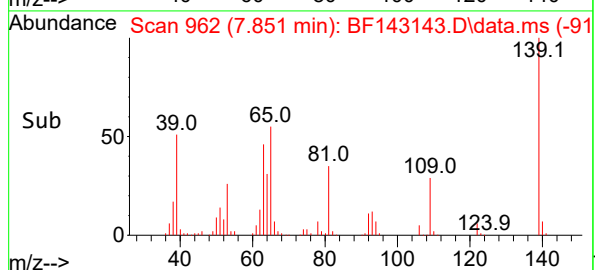
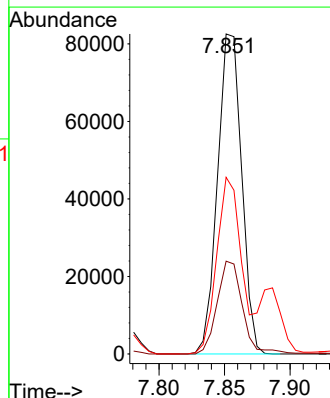
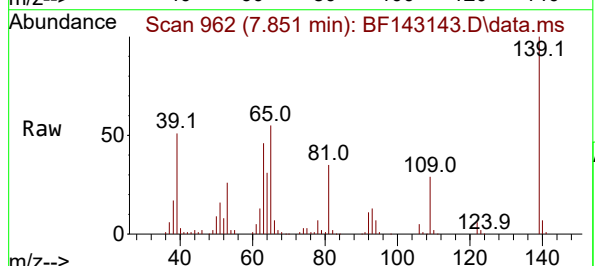
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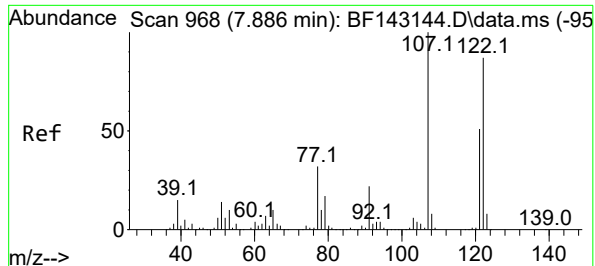
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 20.261 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:139 Resp: 105681
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 55.2 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 20.594 ng

RT: 7.887 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:122 Resp: 218960

Ion Ratio Lower Upper

122 100

107 114.5 91.8 137.6

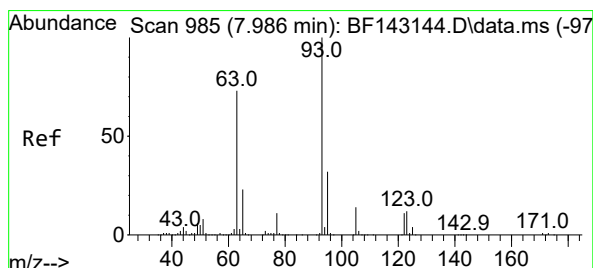
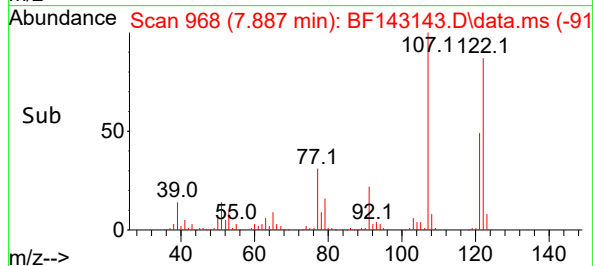
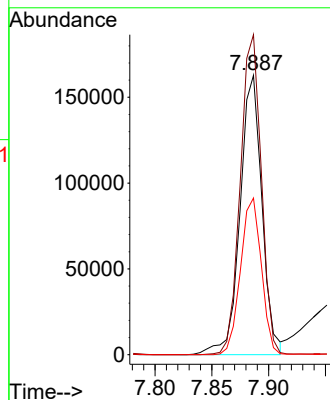
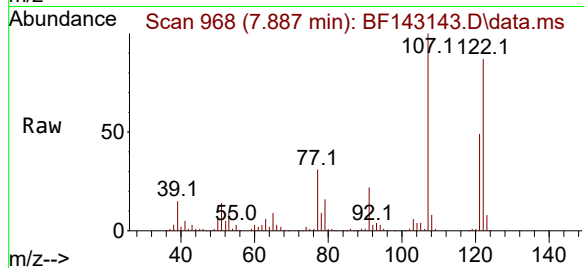
121 56.1 46.3 69.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 20.811 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

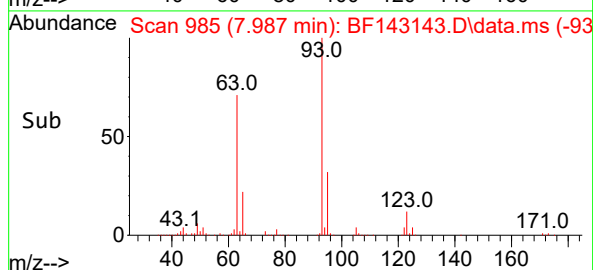
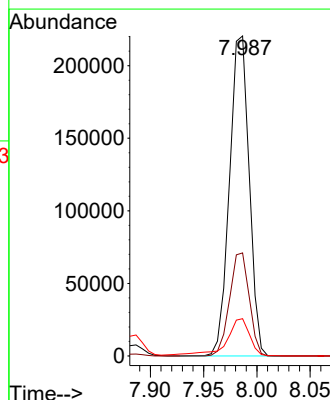
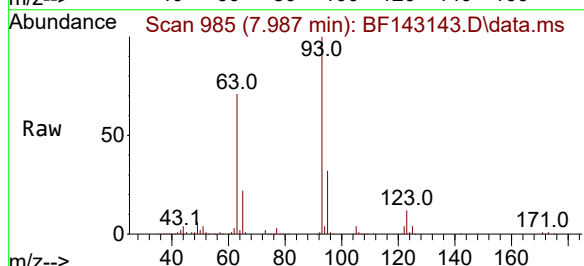
Tgt Ion: 93 Resp: 283946

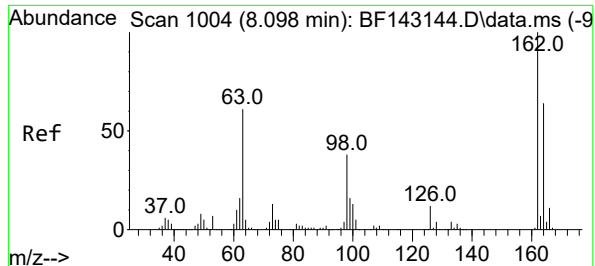
Ion Ratio Lower Upper

93 100

95 32.2 25.8 38.6

123 11.6 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 20.569 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 18443

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

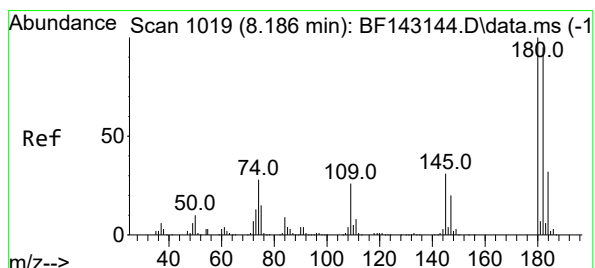
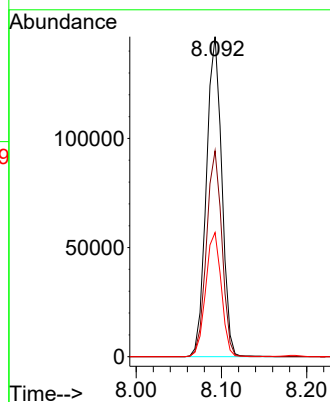
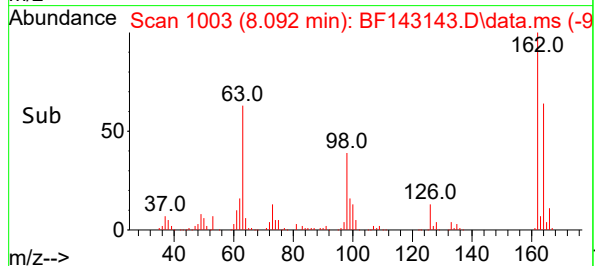
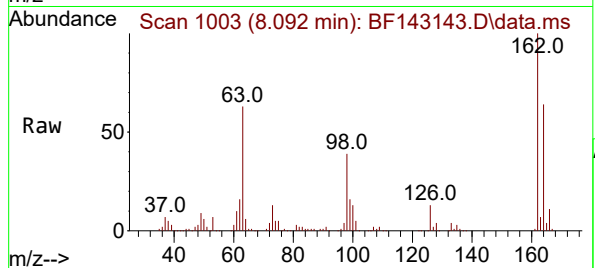
98 38.8 17.9 57.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 21.070 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

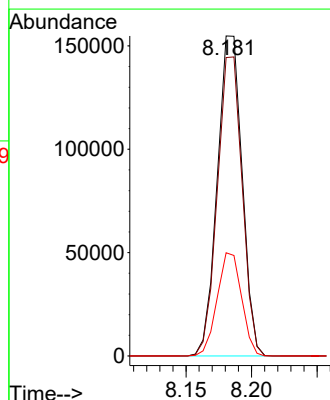
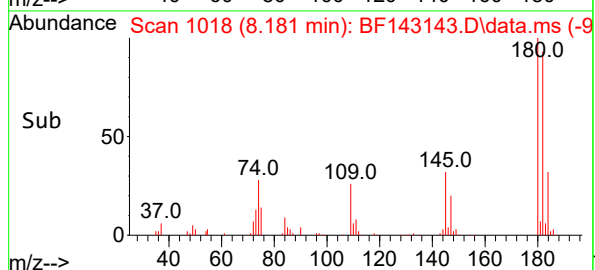
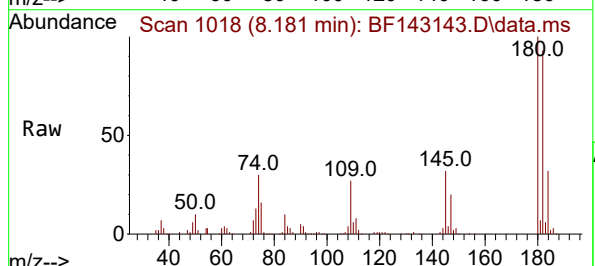
Tgt Ion:180 Resp: 204103

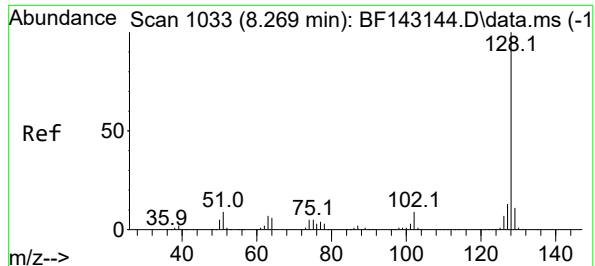
Ion Ratio Lower Upper

180 100

182 93.3 76.2 114.2

145 32.2 25.0 37.6





#31

Naphthalene

Concen: 20.949 ng

RT: 8.263 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:128 Resp: 662968

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

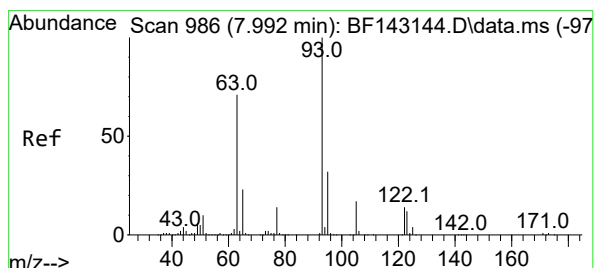
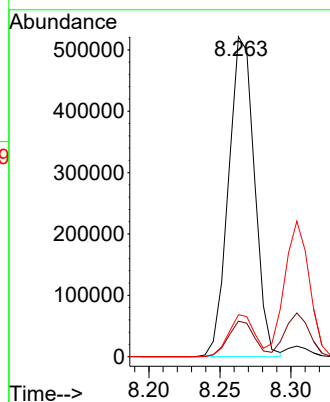
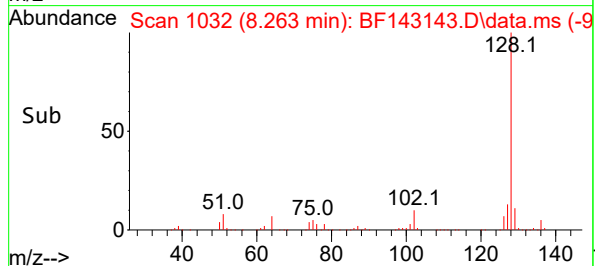
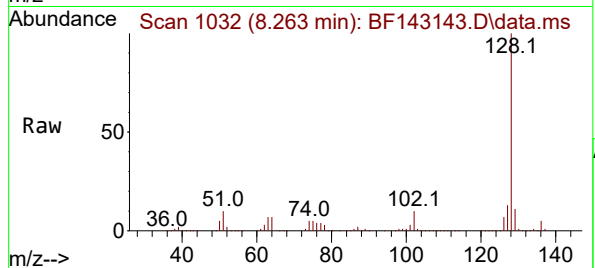
127 13.1 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#32

Benzoic acid

Concen: 19.382 ng m

RT: 7.957 min Scan# 980

Delta R.T. -0.035 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

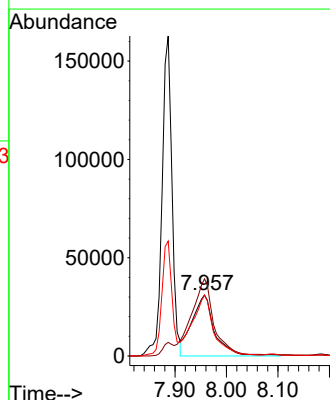
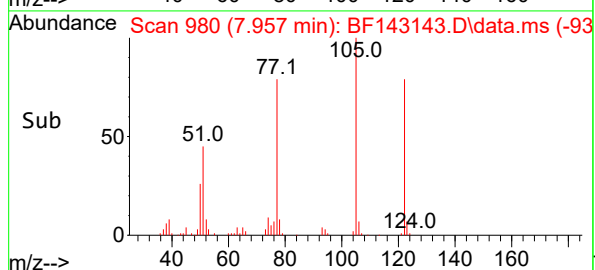
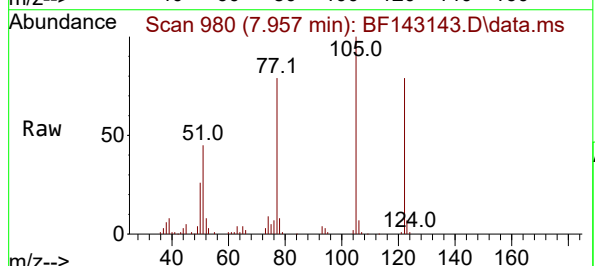
Tgt Ion:122 Resp: 95515

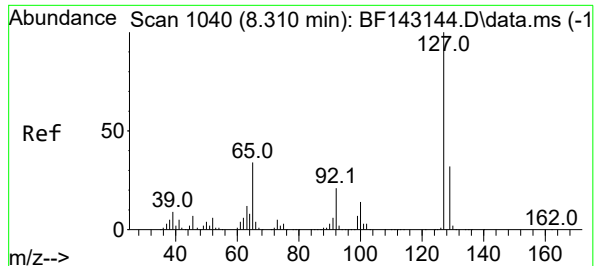
Ion Ratio Lower Upper

122 100

105 126.7 104.8 144.8

77 99.7 77.6 117.6





#33

4-Chloroaniline

Concen: 20.825 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 26910

Ion Ratio Lower Upper

127 100

129 32.2 26.0 39.0

65 34.8 27.4 41.2

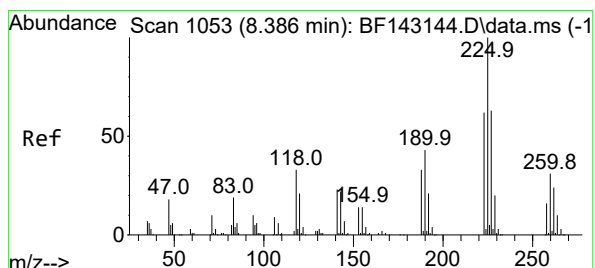
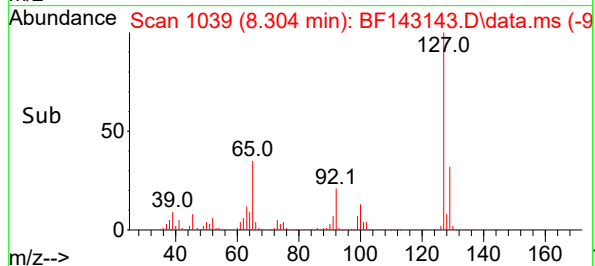
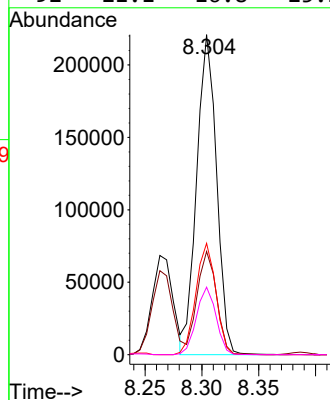
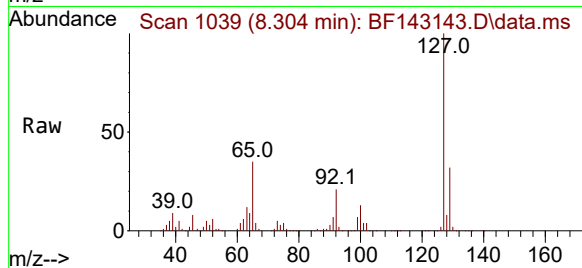
92 21.1 16.8 25.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#34

Hexachlorobutadiene

Concen: 20.722 ng

RT: 8.386 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

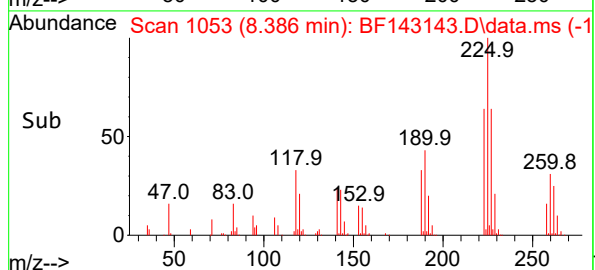
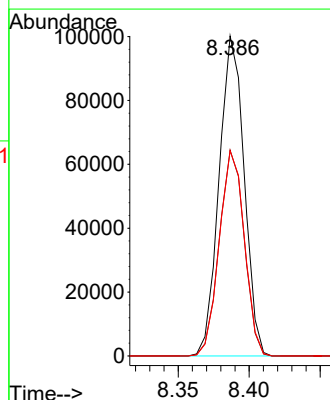
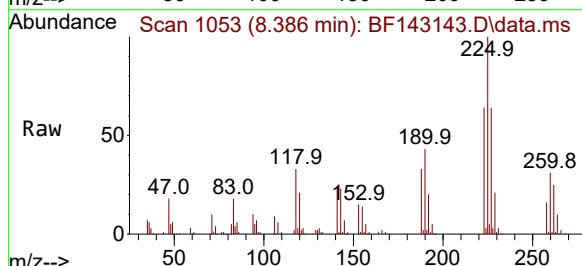
Tgt Ion:225 Resp: 122624

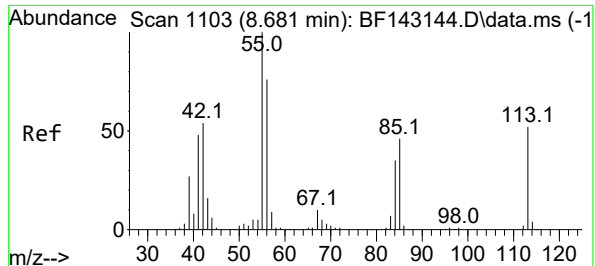
Ion Ratio Lower Upper

225 100

223 64.3 49.8 74.6

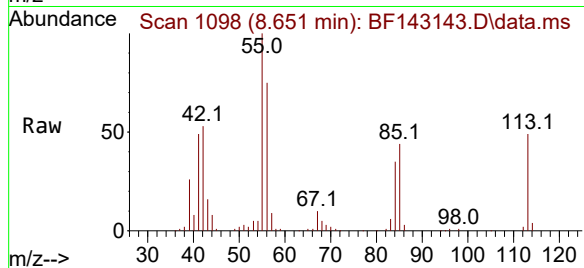
227 64.1 50.2 75.4





#35
Caprolactam
Concen: 19.911 ng
RT: 8.651 min Scan# 1109
Delta R.T. -0.029 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

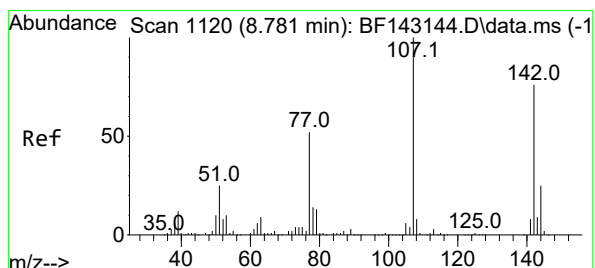
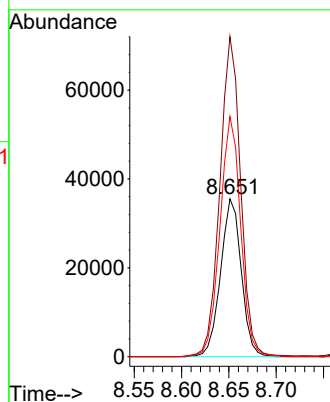
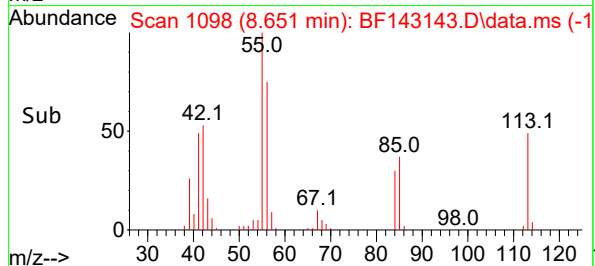
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:113 Resp: 53950
Ion Ratio Lower Upper
113 100
55 202.9 174.0 214.0
56 152.2 126.6 166.6

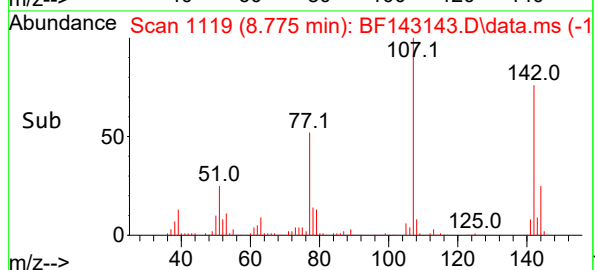
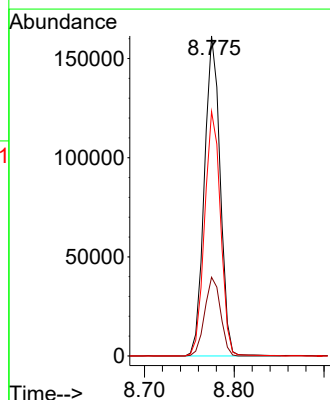
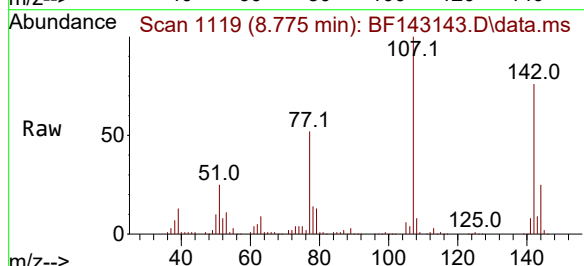
Manual Integrations
APPROVED

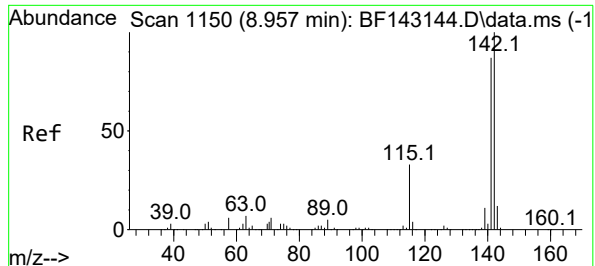
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 20.246 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

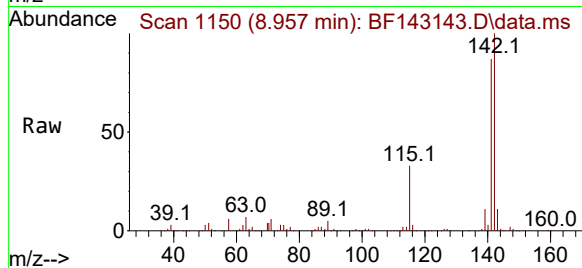
Tgt Ion:107 Resp: 197317
Ion Ratio Lower Upper
107 100
144 24.6 19.8 29.6
142 76.4 60.6 90.8





#37
2-Methylnaphthalene
Concen: 20.943 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

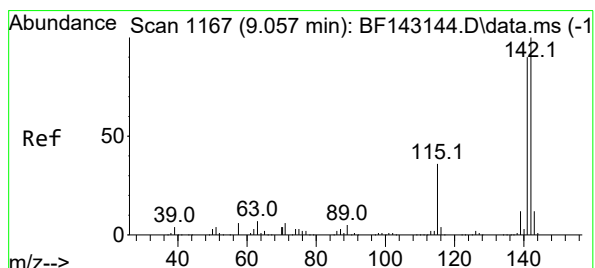
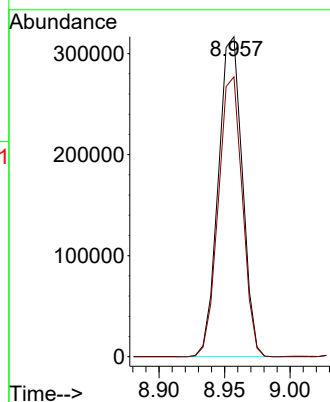
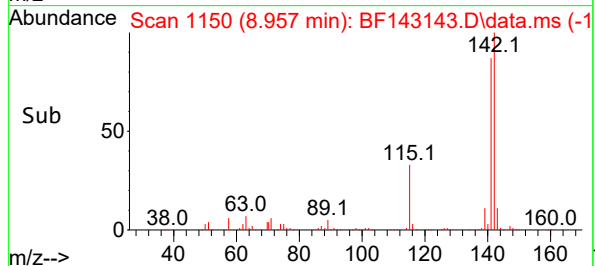
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:142 Resp: 403298
Ion Ratio Lower Upper
142 100
141 87.5 69.9 104.9

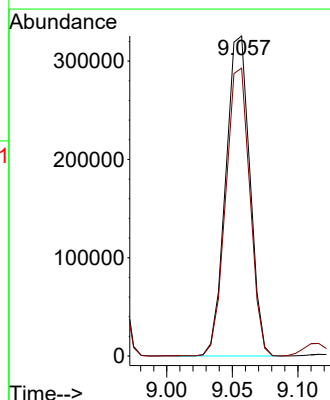
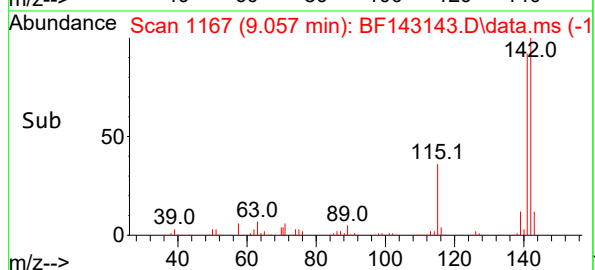
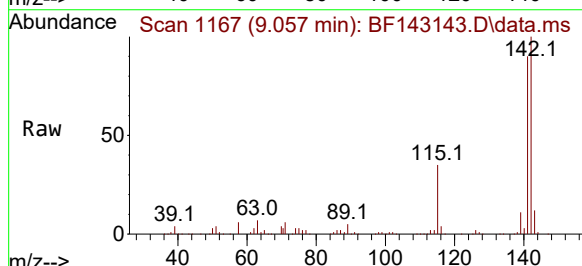
Manual Integrations
APPROVED

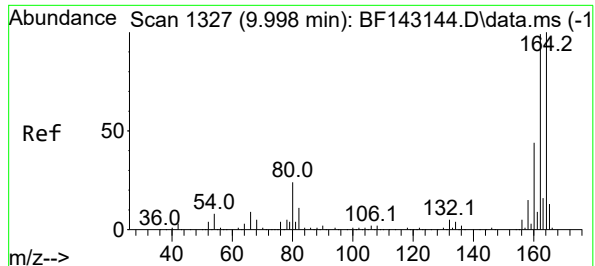
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 21.060 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:142 Resp: 417629
Ion Ratio Lower Upper
142 100
141 90.0 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143143.D

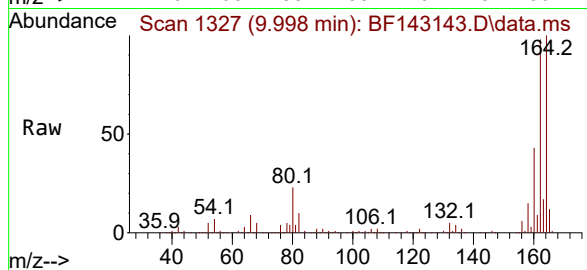
Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 329670

Ion Ratio Lower Upper

164 100

162 97.5 79.0 118.6

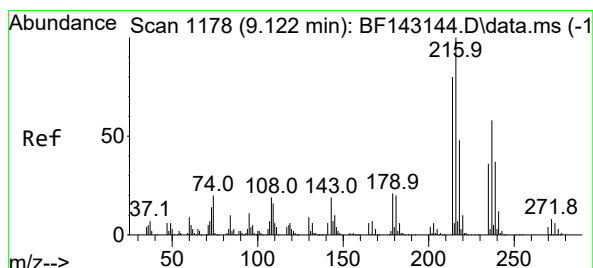
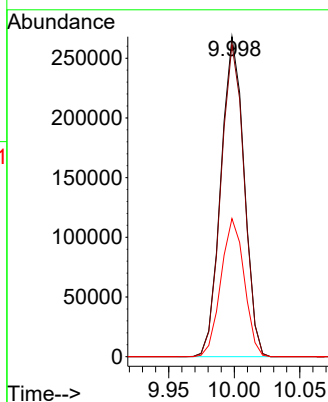
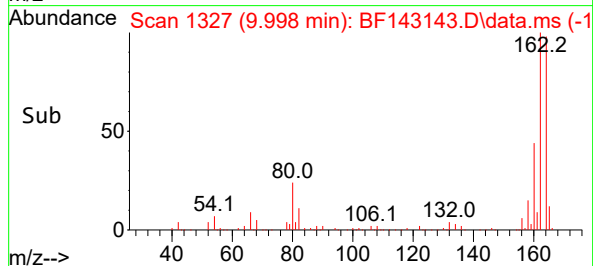
160 43.2 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.804 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Tgt Ion:216 Resp: 198009

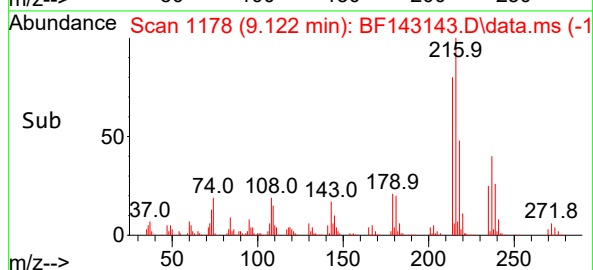
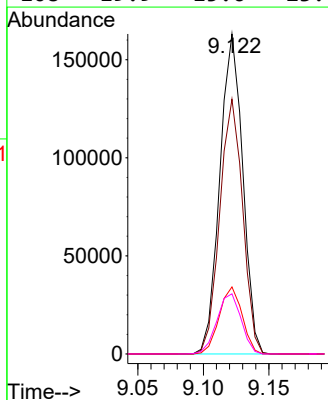
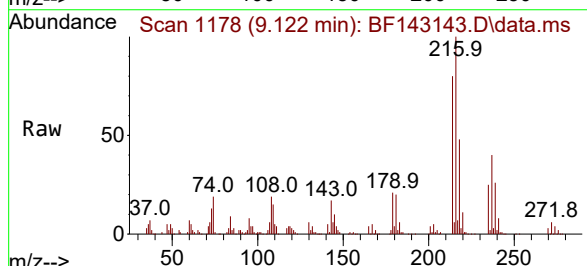
Ion Ratio Lower Upper

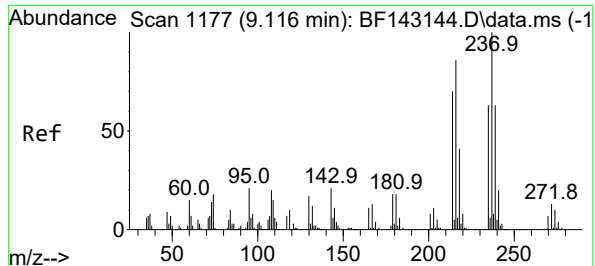
216 100

214 79.4 63.8 95.8

179 21.0 16.4 24.6

108 19.9 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 19.848 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:237 Resp: 12292

Ion Ratio Lower Upper

237 100

235 63.2 43.0 83.0

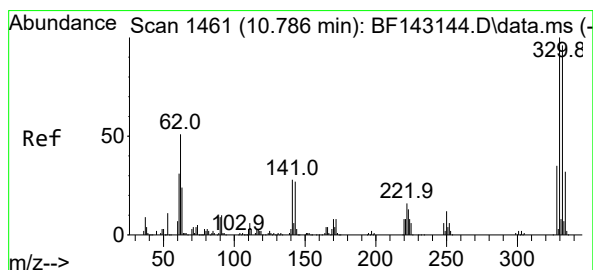
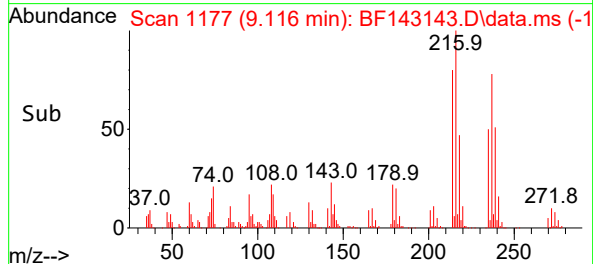
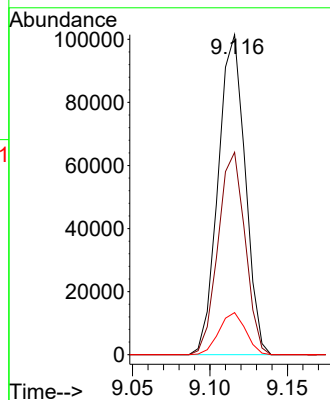
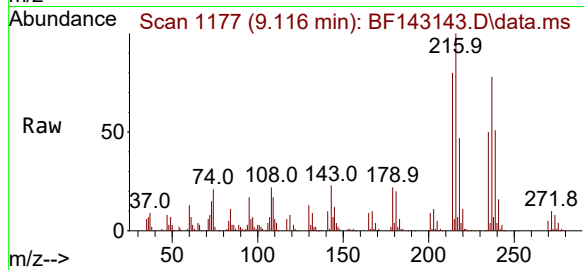
272 13.2 0.0 33.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 41.034 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

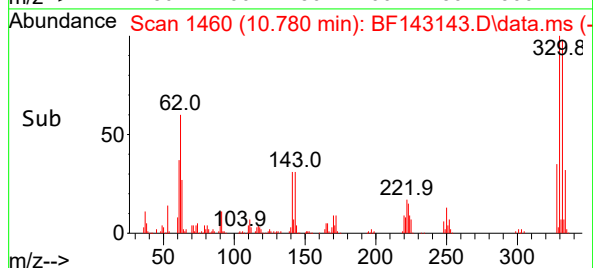
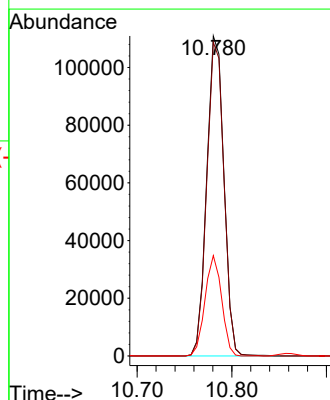
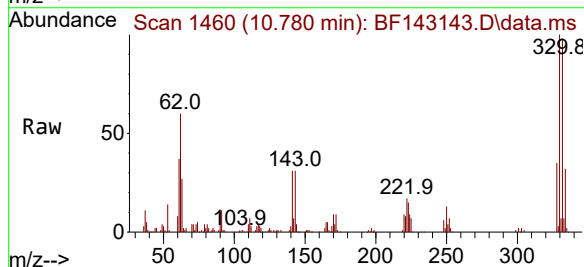
Tgt Ion:330 Resp: 139748

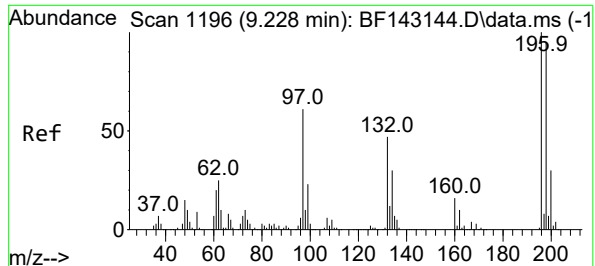
Ion Ratio Lower Upper

330 100

332 97.9 76.7 115.1

141 30.4 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 20.601 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143143.D

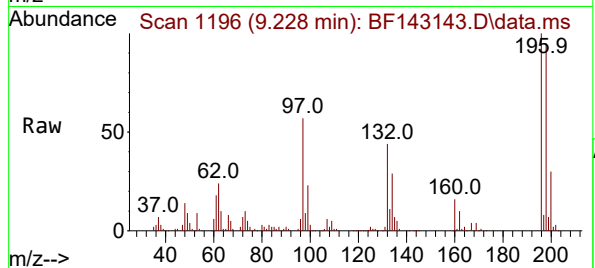
Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 13570

Ion Ratio Lower Upper

196 100

198 95.4 76.2 114.2

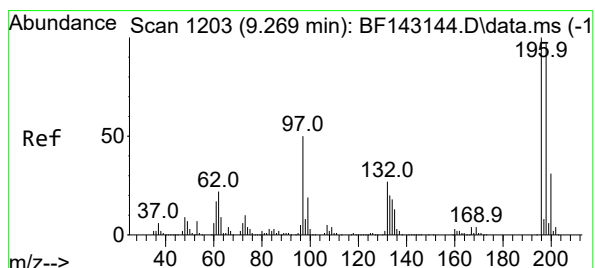
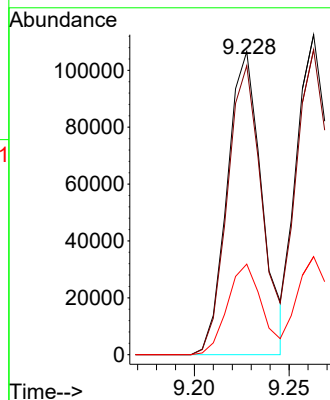
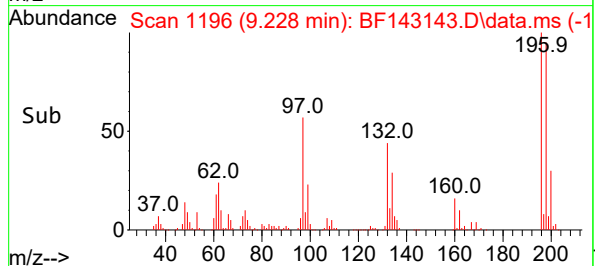
200 29.9 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

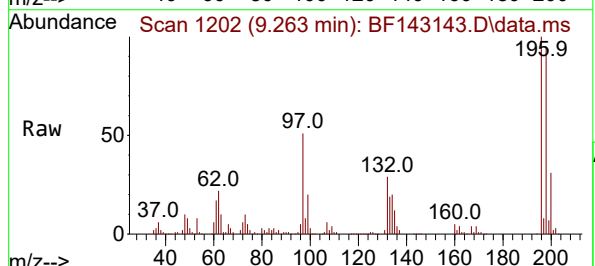
Concen: 20.584 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34



Tgt Ion:196 Resp: 135634

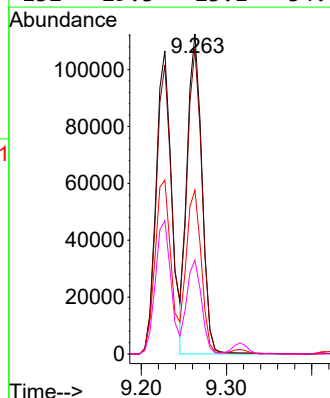
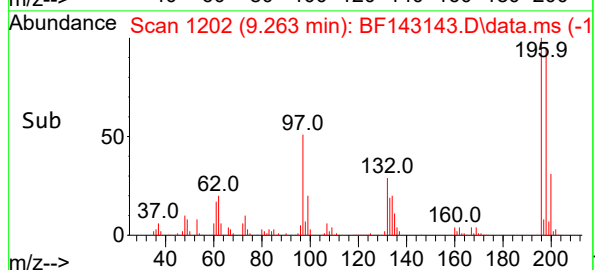
Ion Ratio Lower Upper

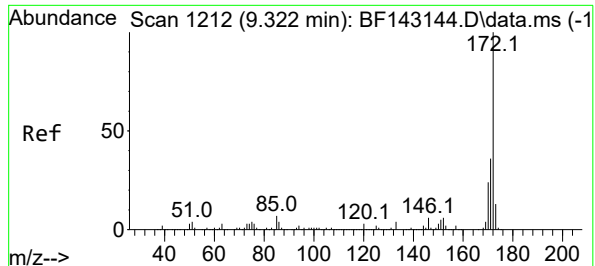
196 100

198 95.3 77.3 115.9

97 51.2 40.3 60.5

132 29.3 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 42.301 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:172 Resp: 1019688

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

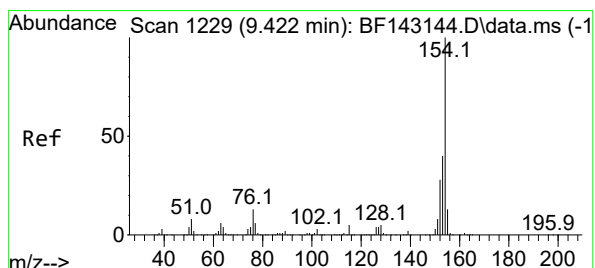
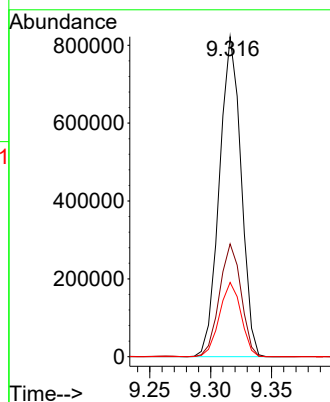
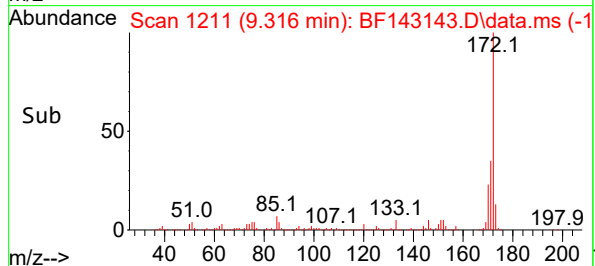
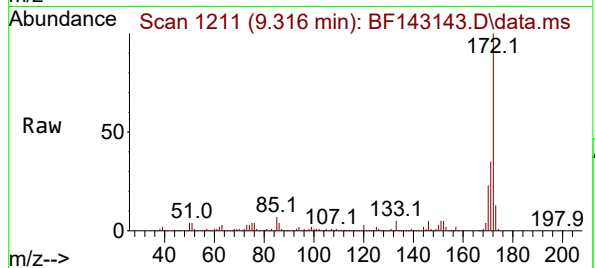
170 23.2 18.8 28.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 21.019 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

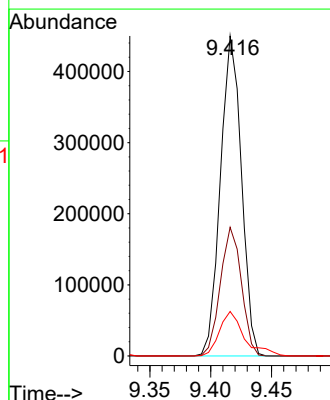
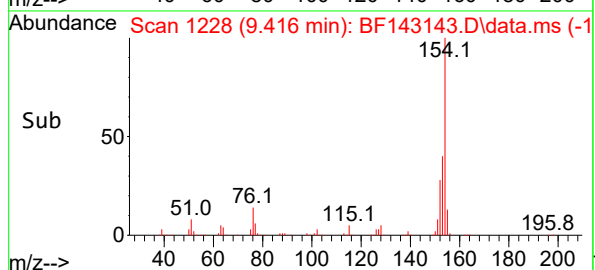
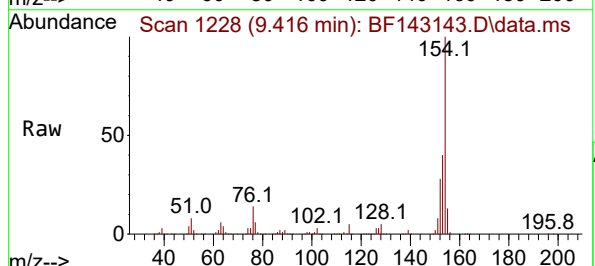
Tgt Ion:154 Resp: 540637

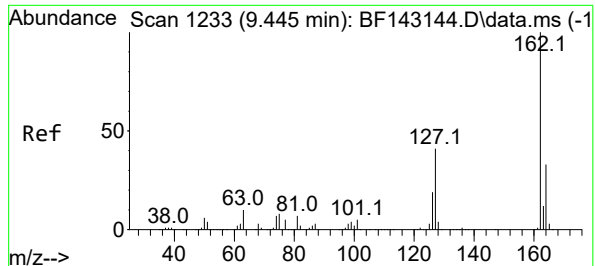
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

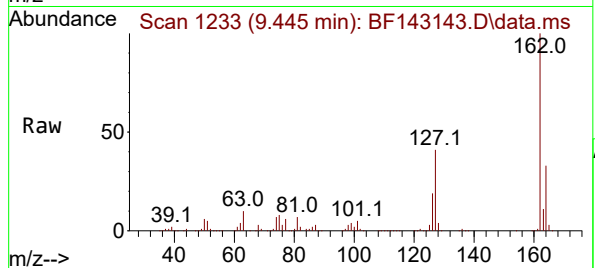
76 13.9 0.0 33.3





#47
2-Chloronaphthalene
Concen: 20.650 ng
RT: 9.445 min Scan# 1233
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

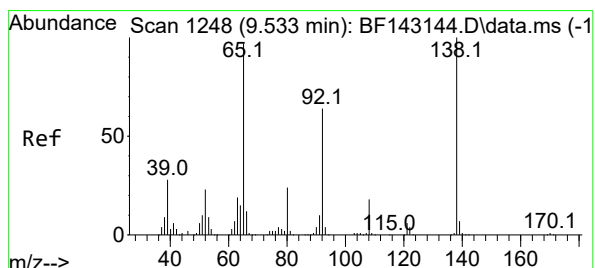
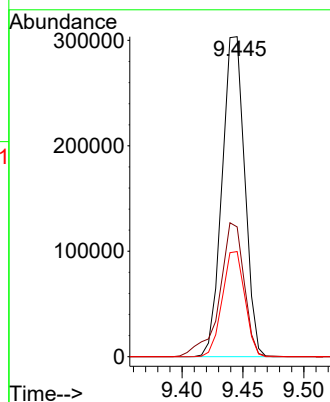
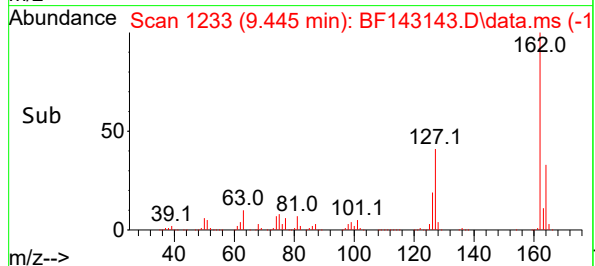
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



Tgt Ion:162 Resp: 393000
Ion Ratio Lower Upper
162 100
127 40.6 33.4 50.2
164 32.9 26.2 39.2

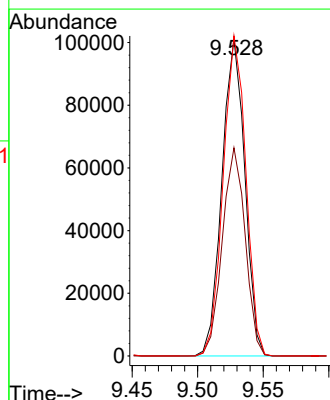
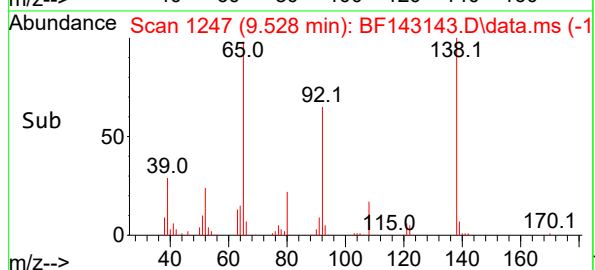
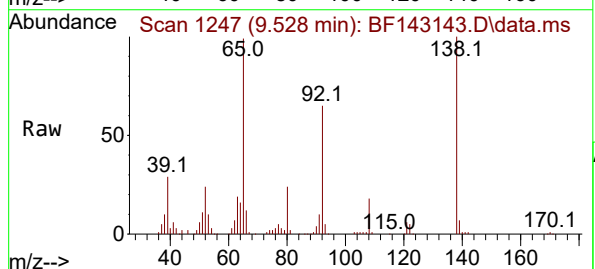
Manual Integrations
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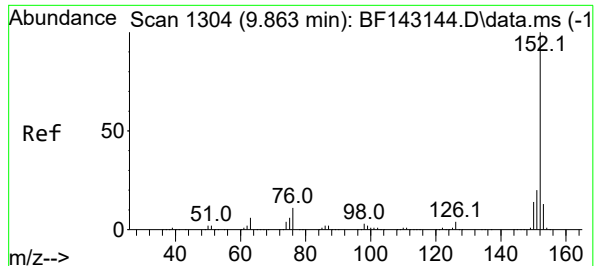
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#48
2-Nitroaniline
Concen: 20.528 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 65 Resp: 122517
Ion Ratio Lower Upper
65 100
92 65.6 52.4 78.6
138 100.8 82.3 123.5





#49

Acenaphthylene

Concen: 20.789 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143143.D

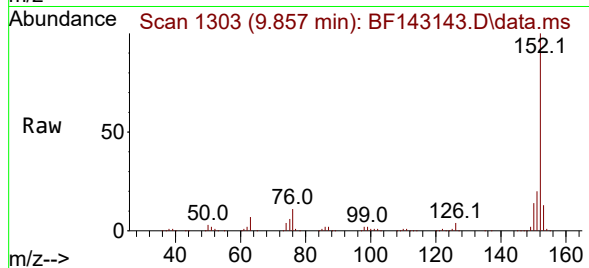
Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:152 Resp: 66304

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

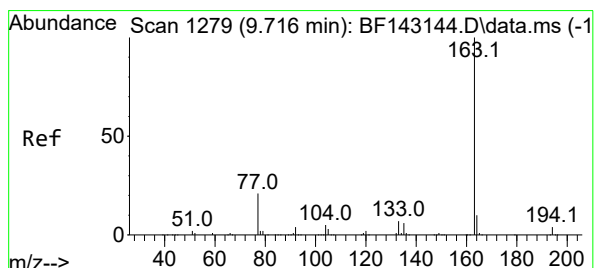
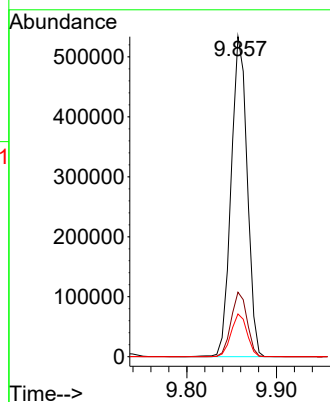
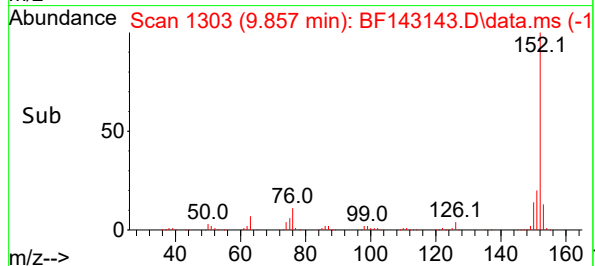
153 13.3 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

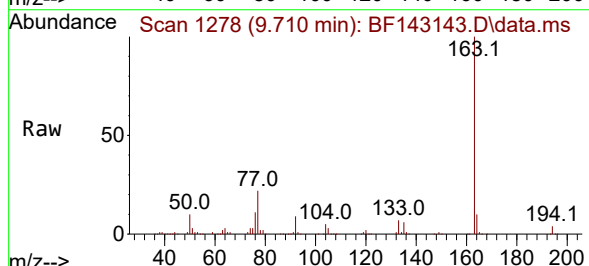
Concen: 20.558 ng

RT: 9.710 min Scan# 1278

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34



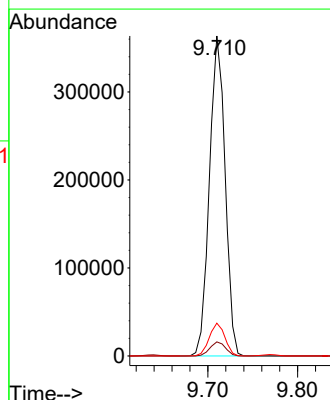
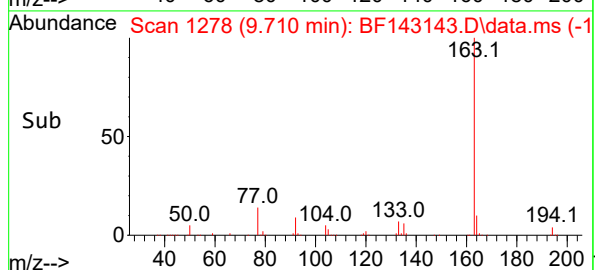
Tgt Ion:163 Resp: 441768

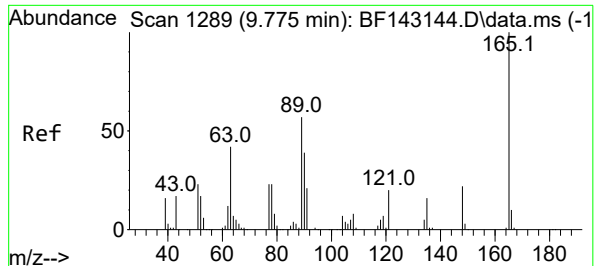
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

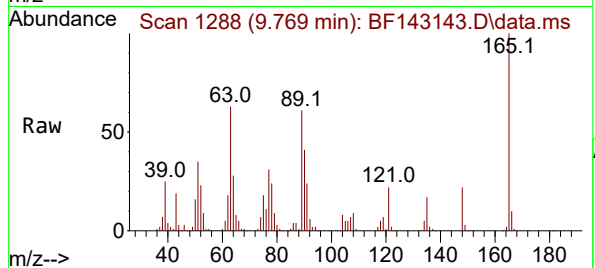
164 10.3 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 20.529 ng
RT: 9.769 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

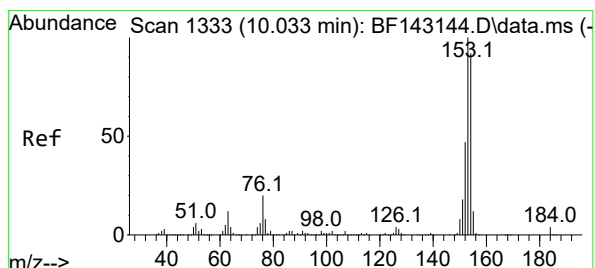
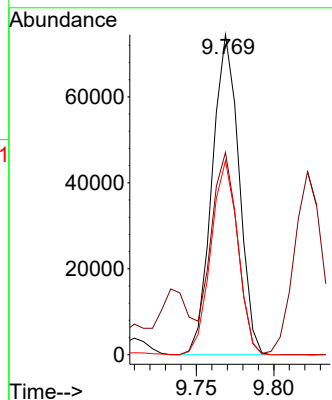
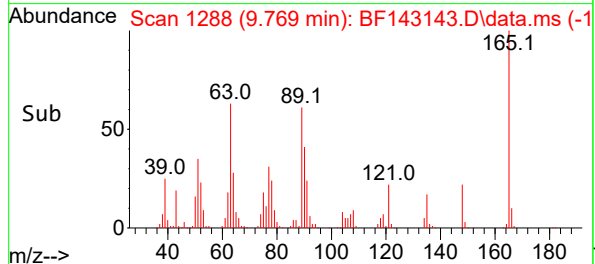
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 8974
Ion Ratio Lower Upper
165 100
63 63.2 49.4 74.2
89 60.6 46.2 69.2

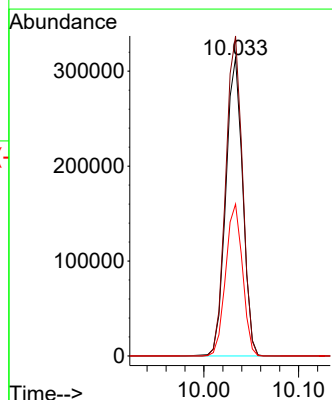
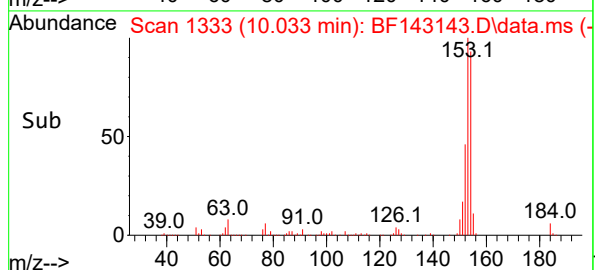
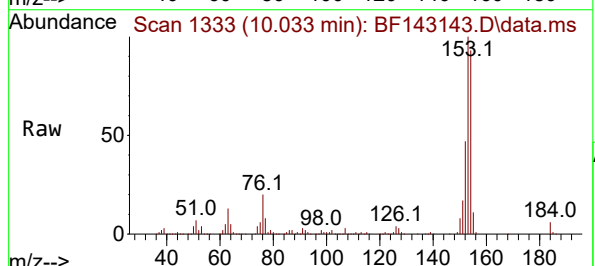
Manual Integrations
APPROVED

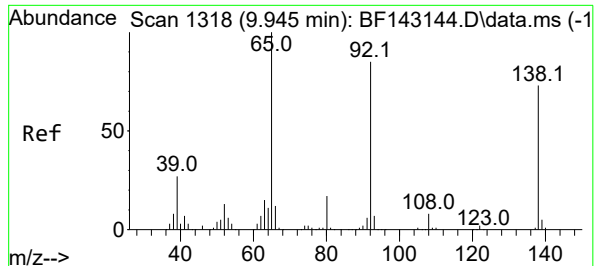
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 20.702 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:154 Resp: 390249
Ion Ratio Lower Upper
154 100
153 107.3 86.6 129.8
152 50.9 40.4 60.6





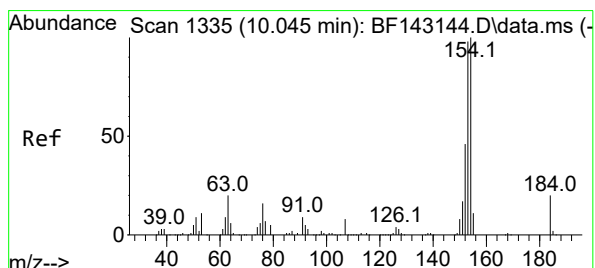
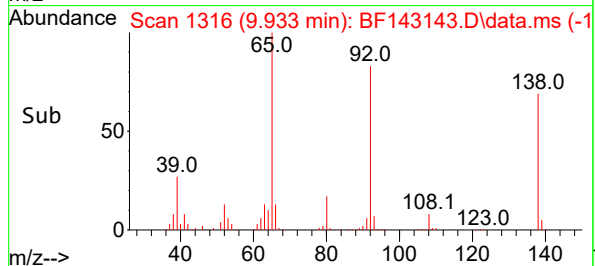
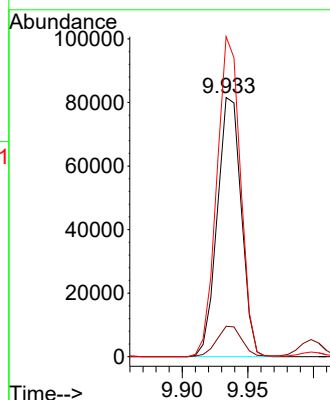
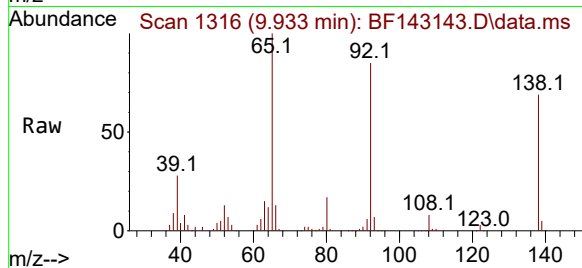
#53
3-Nitroaniline
Concen: 20.314 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 103870
Ion Ratio Lower Upper
138 100
108 11.7 9.0 13.6
92 123.4 93.0 139.4

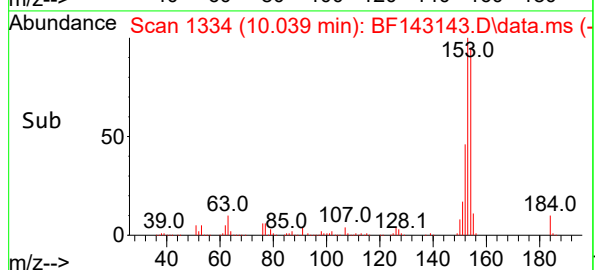
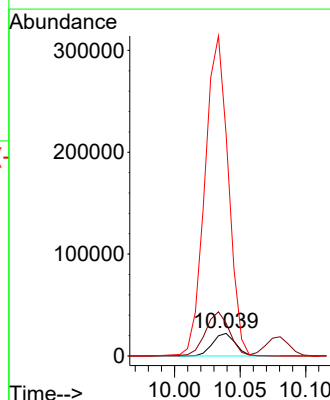
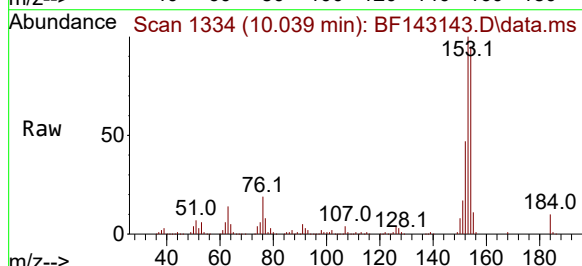
Manual Integrations
APPROVED

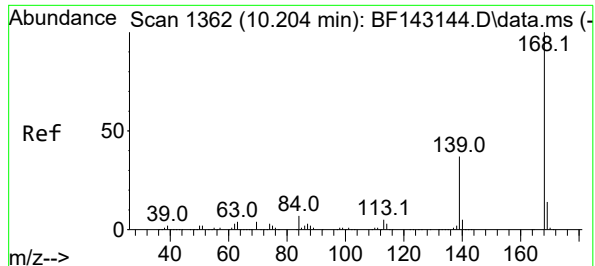
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 19.073 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

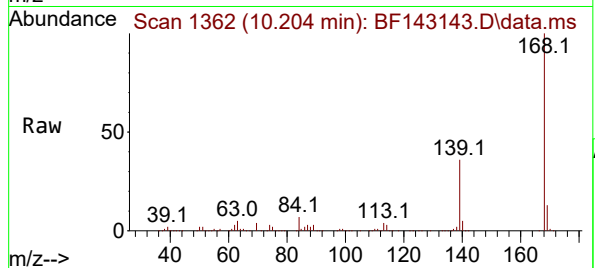
Tgt Ion:184 Resp: 26820
Ion Ratio Lower Upper
184 100
63 145.3 81.8 122.6#
154 980.0 412.2 618.4#





#55
Dibenzenofuran
Concen: 20.806 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

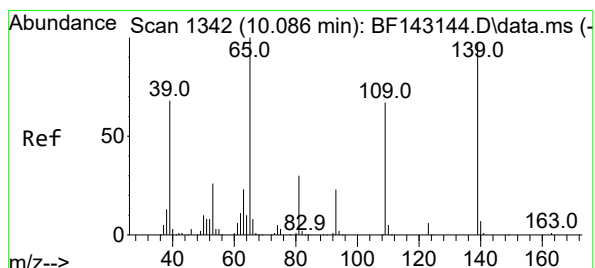
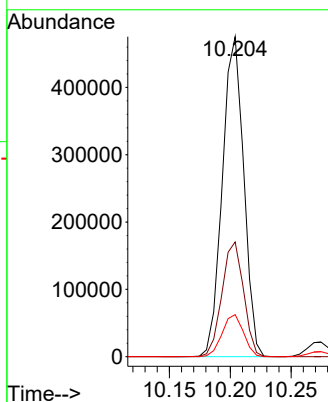
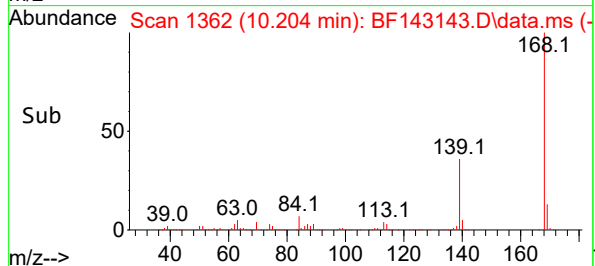
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



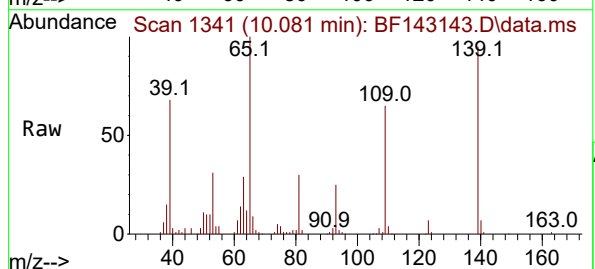
Tgt Ion:168 Resp: 582320
Ion Ratio Lower Upper
168 100
139 35.9 29.5 44.3
169 13.1 10.9 16.3

Manual Integrations
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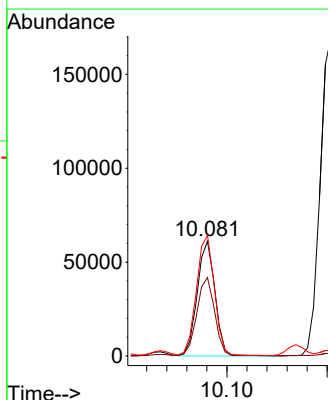
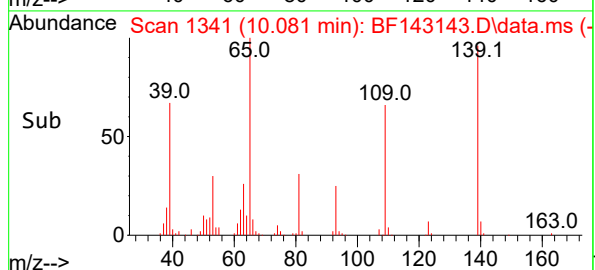
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

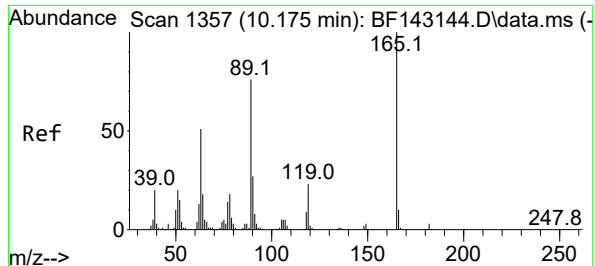


#56
4-Nitrophenol
Concen: 19.715 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



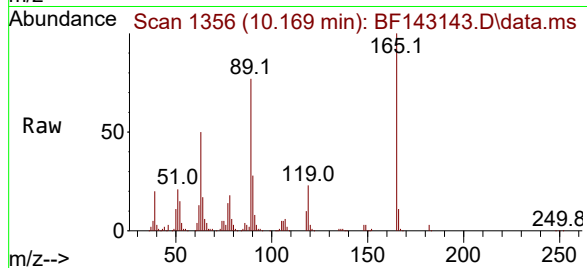
Tgt Ion:139 Resp: 75275
Ion Ratio Lower Upper
139 100
109 68.3 48.5 88.5
65 105.1 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 20.577 ng
RT: 10.169 min Scan# 11285
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

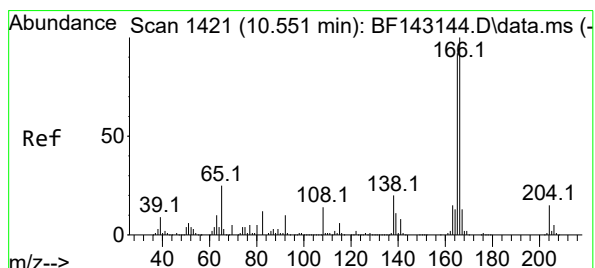
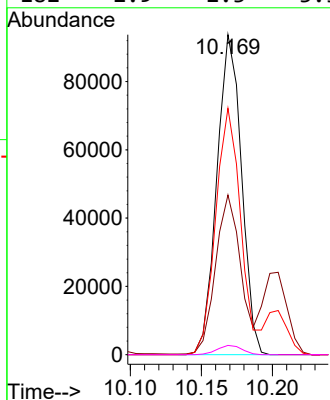
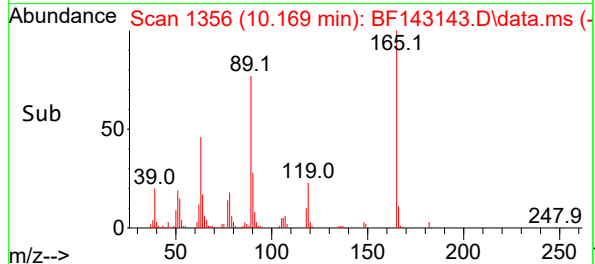
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



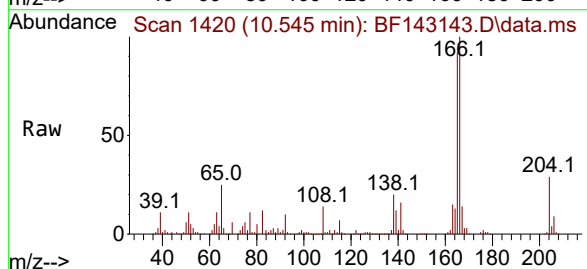
Tgt Ion:165 Resp: 11285
Ion Ratio Lower Upper
165 100
63 49.9 41.0 61.4
89 77.0 61.1 91.7
182 2.9 2.3 3.5

Manual Integrations
APPROVED

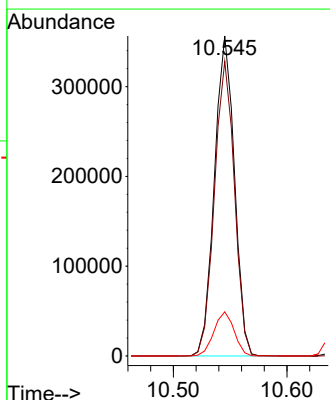
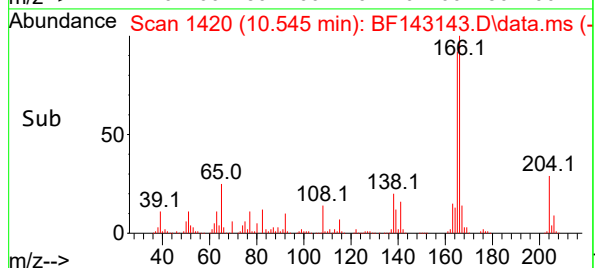
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

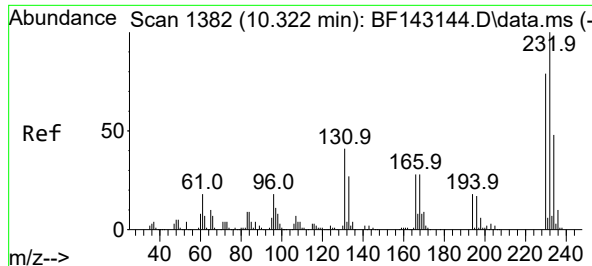


#58
Fluorene
Concen: 20.750 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



Tgt Ion:166 Resp: 435866
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.8 10.6 16.0





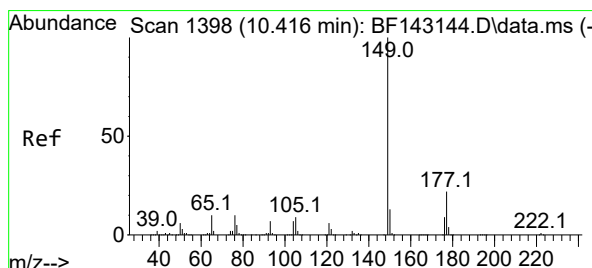
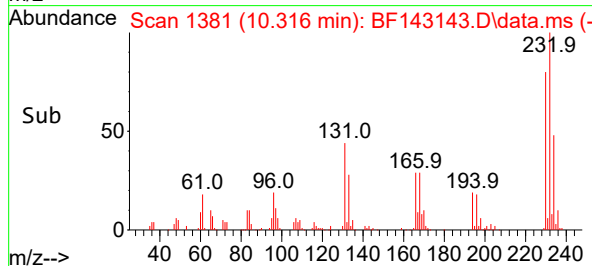
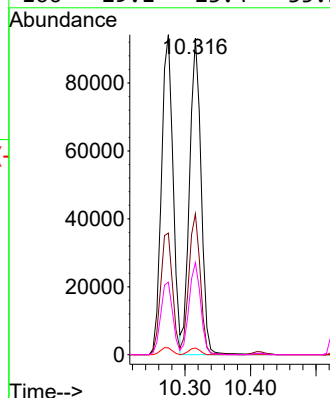
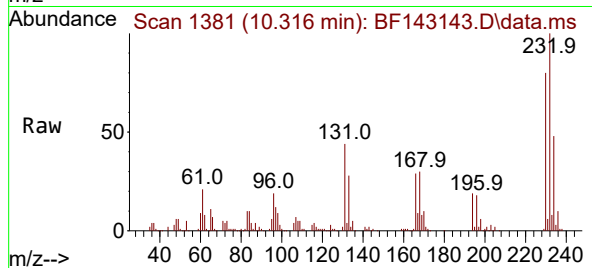
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.859 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 11385
Ion Ratio Lower Upper
232 100
131 44.3 35.3 52.9
130 2.1 1.7 2.5
166 29.1 23.4 35.2

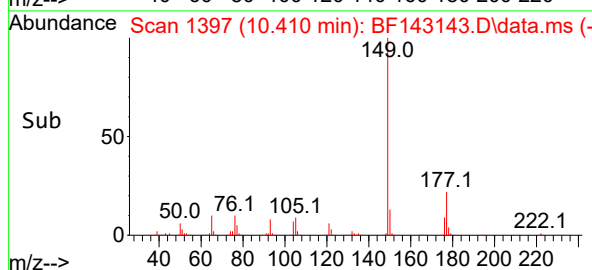
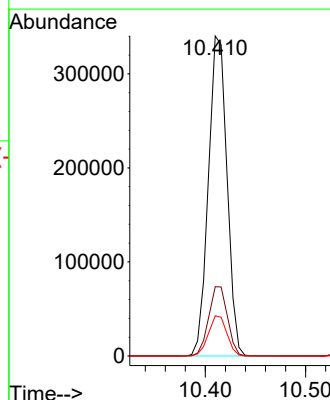
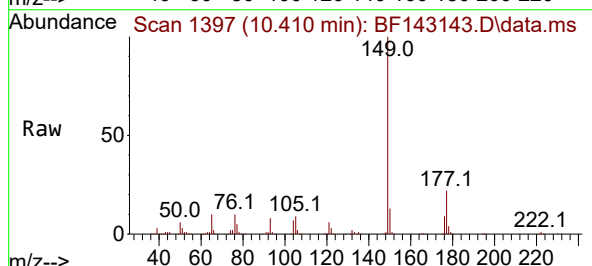
Manual Integrations
APPROVED

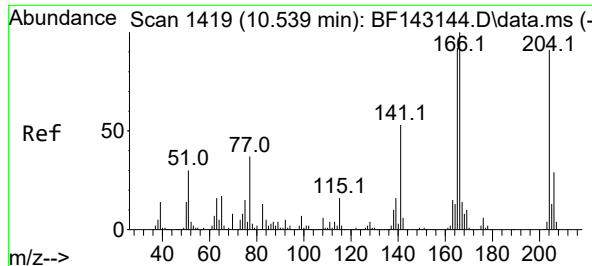
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#60
Diethylphthalate
Concen: 20.719 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

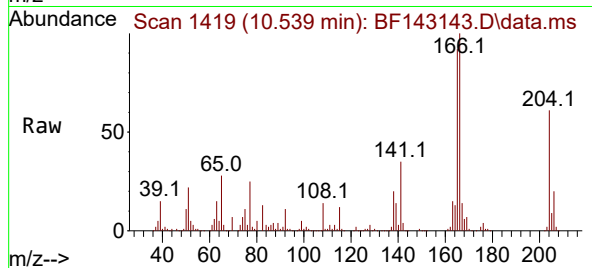
Tgt Ion:149 Resp: 440058
Ion Ratio Lower Upper
149 100
177 21.7 17.5 26.3
150 12.5 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

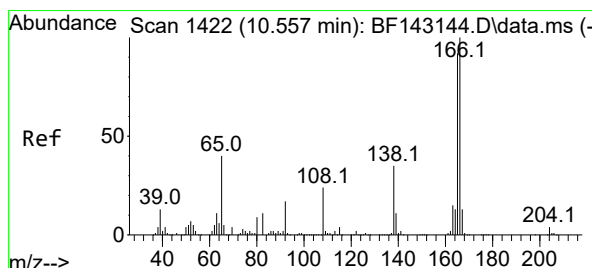
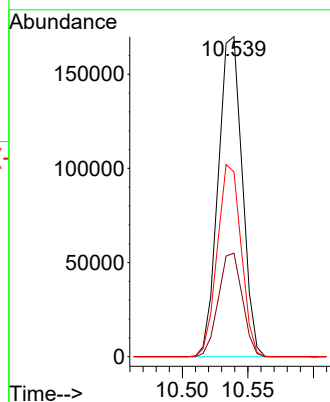
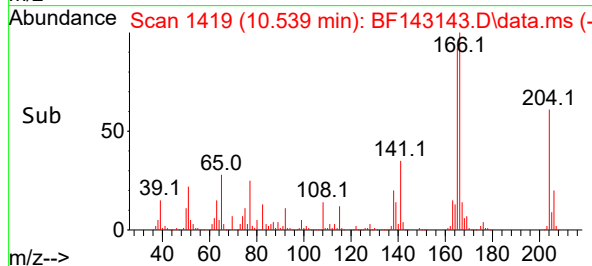
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



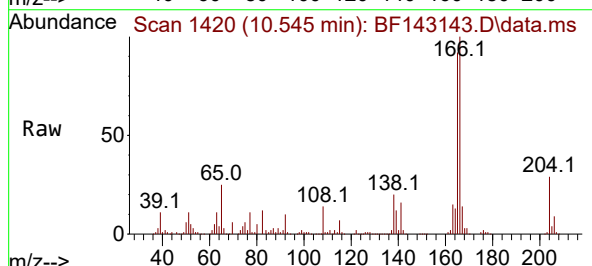
Tgt Ion:204 Resp: 216490
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 57.8 47.0 70.4

Manual Integrations
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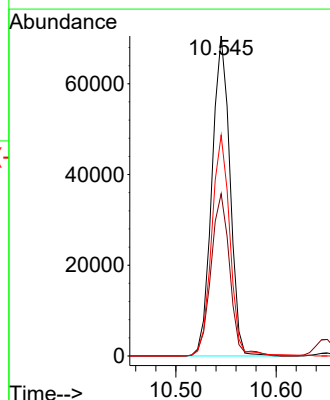
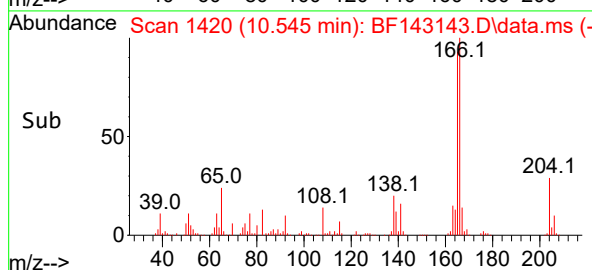
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

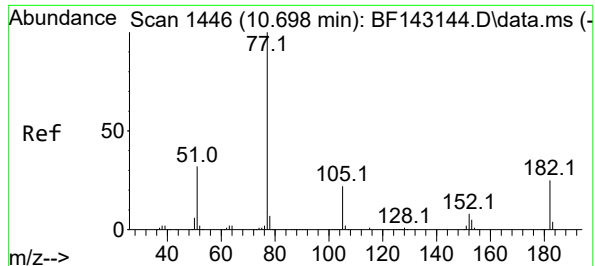


#62
4-Nitroaniline
Concen: 20.005 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



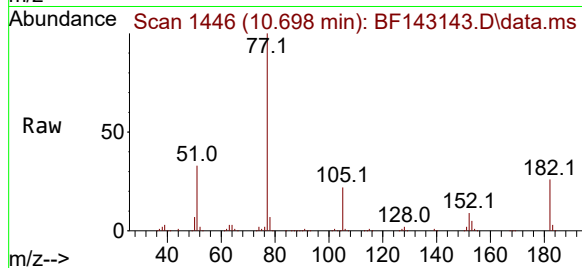
Tgt Ion:138 Resp: 87666
Ion Ratio Lower Upper
138 100
92 50.7 29.3 69.3
108 69.0 48.3 88.3





#63
Azobenzene
Concen: 20.690 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

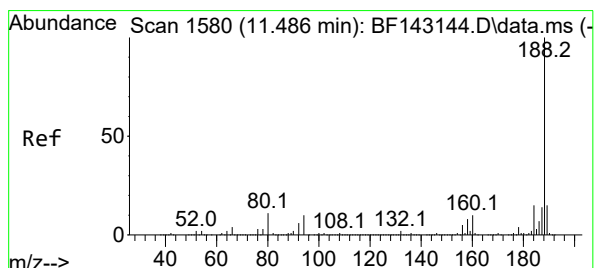
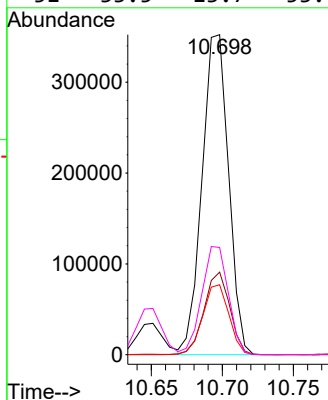
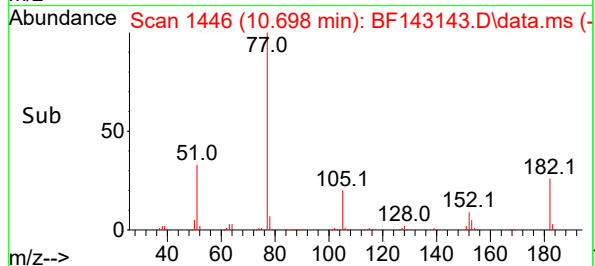
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



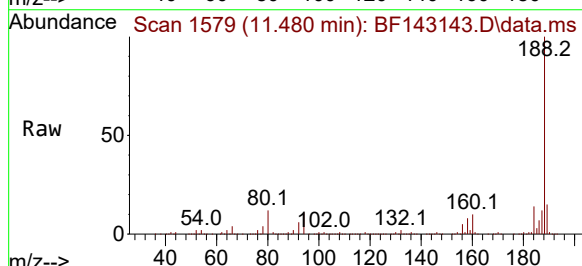
Tgt Ion: 77 Resp: 45801
Ion Ratio Lower Upper
77 100
182 25.8 4.6 44.6
105 21.8 1.4 41.4
51 33.5 13.7 53.7

Manual Integrations
APPROVED

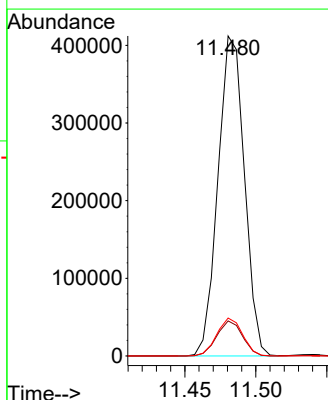
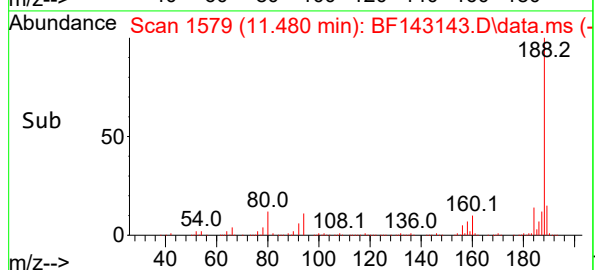
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

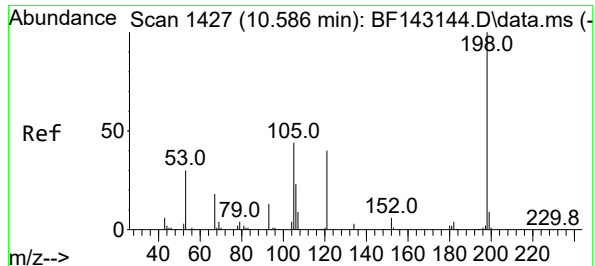


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



Tgt Ion:188 Resp: 532921
Ion Ratio Lower Upper
188 100
94 11.0 8.3 12.5
80 11.9 9.0 13.6





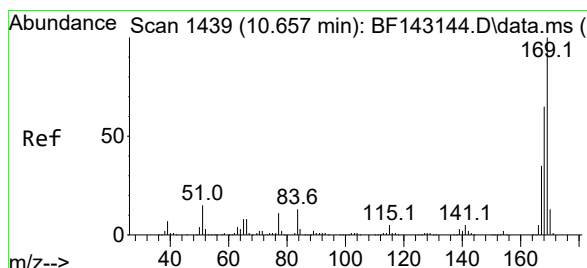
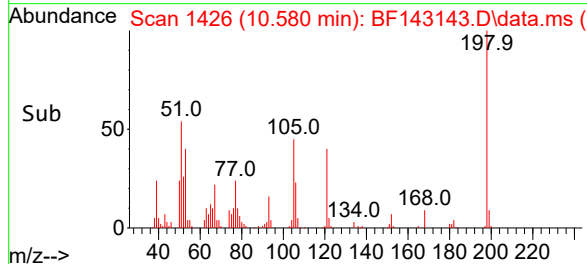
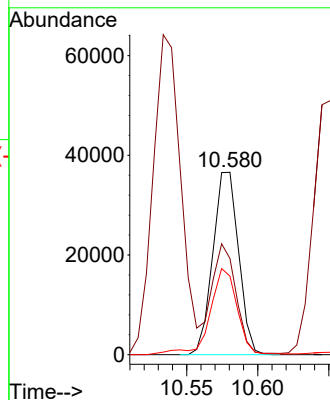
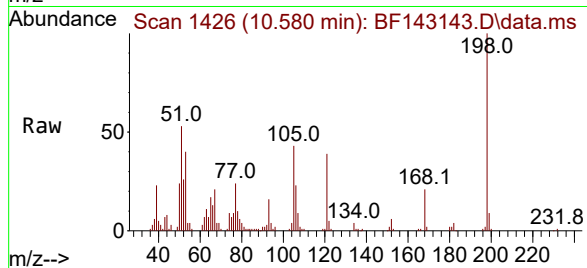
#65
4,6-Dinitro-2-methylphenol
Concen: 20.060 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 4612
Ion Ratio Lower Upper
198 100
51 52.7 37.2 77.2
105 43.1 24.8 64.8

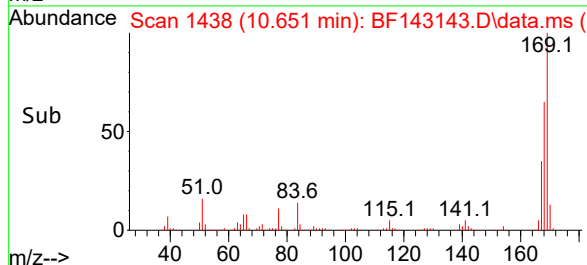
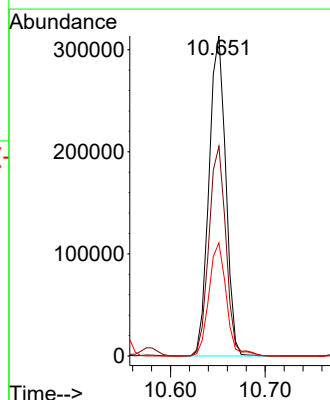
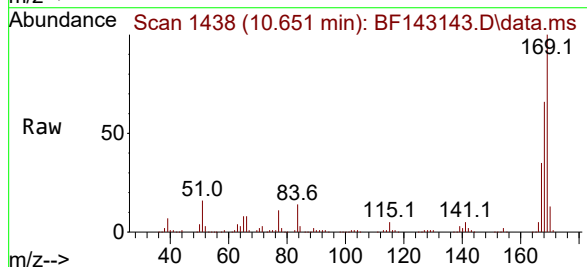
Manual Integrations
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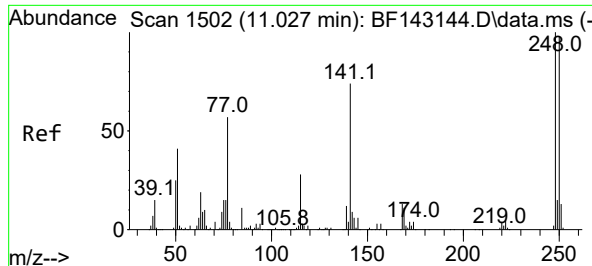
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

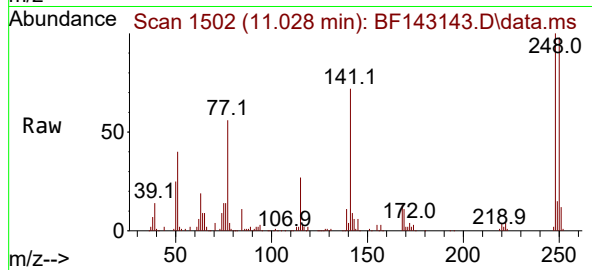
Tgt Ion:169 Resp: 384467
Ion Ratio Lower Upper
169 100
168 65.6 52.1 78.1
167 35.4 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 20.259 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

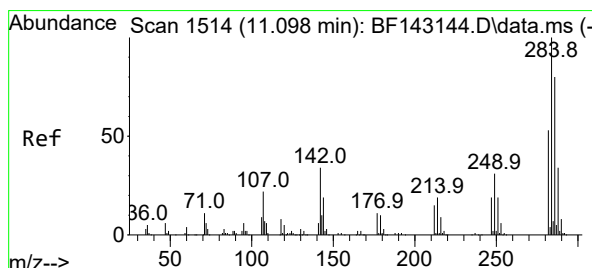
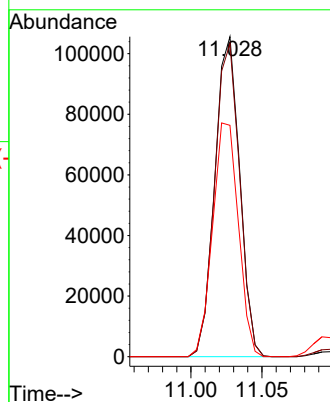
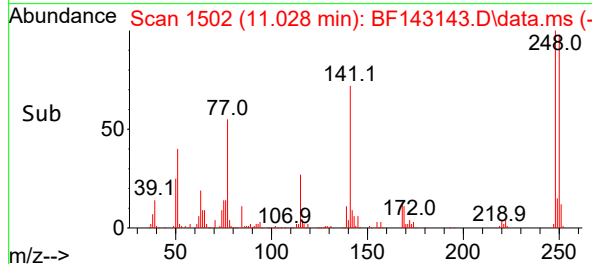
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



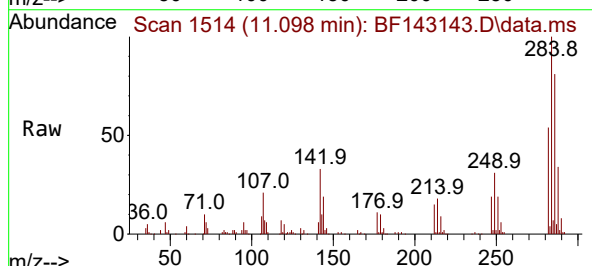
Tgt Ion:248 Resp: 12866
Ion Ratio Lower Upper
248 100
250 97.8 78.3 117.5
141 72.3 59.2 88.8

Manual Integrations
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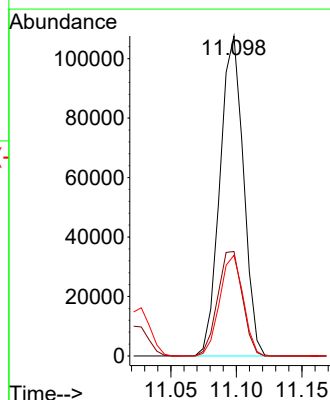
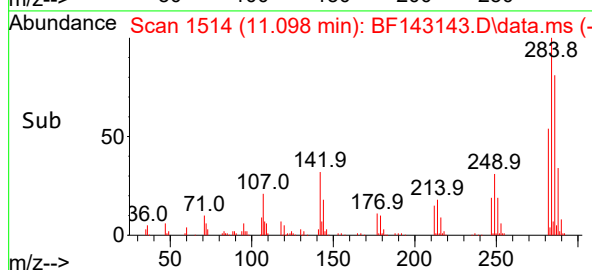
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

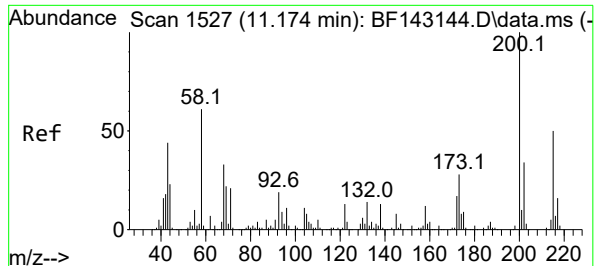


#68
Hexachlorobenzene
Concen: 20.191 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



Tgt Ion:284 Resp: 134031
Ion Ratio Lower Upper
284 100
142 32.7 27.0 40.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 20.370 ng

RT: 11.169 min Scan# 1526

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:200 Resp: 105380

Ion Ratio Lower Upper

200 100

173 27.7 7.9 47.9

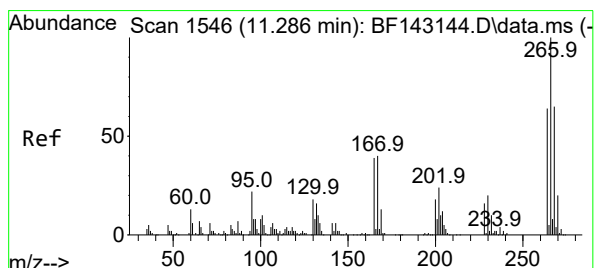
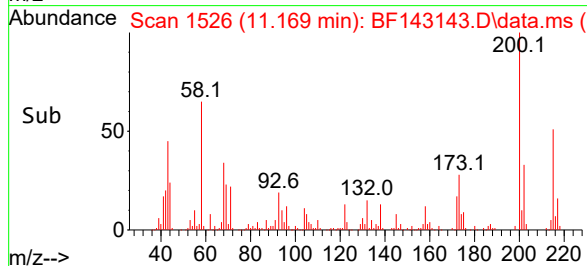
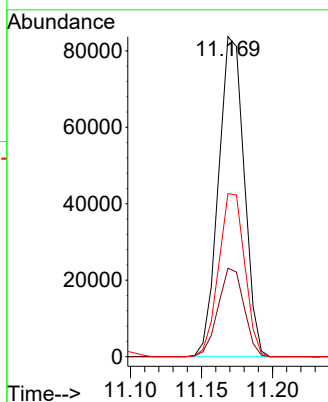
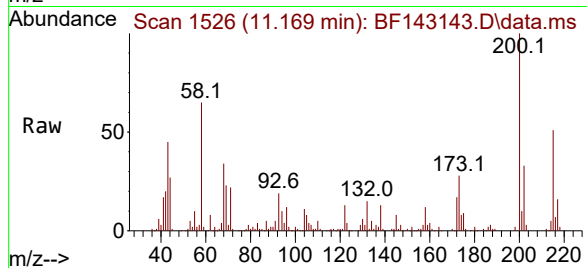
215 51.0 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 19.957 ng

RT: 11.280 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

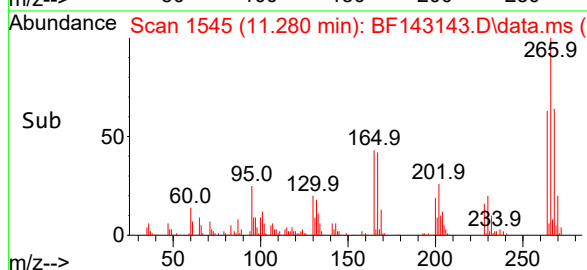
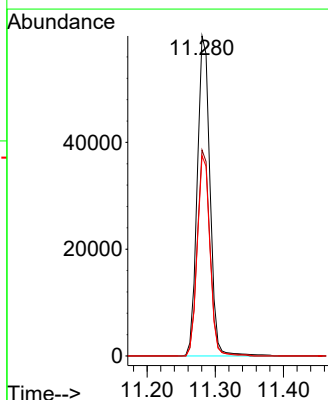
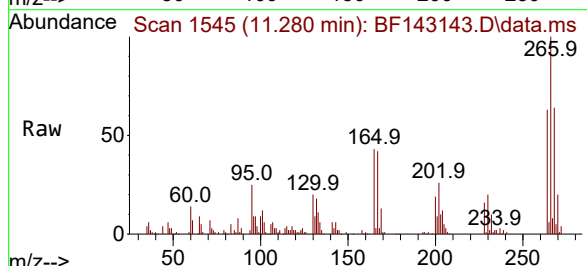
Tgt Ion:266 Resp: 77906

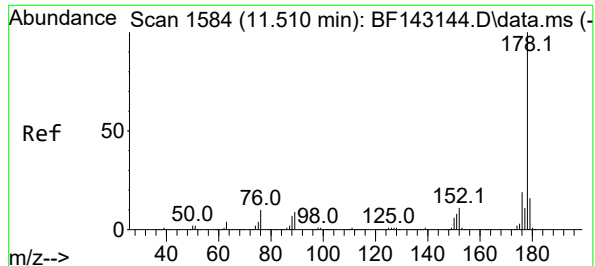
Ion Ratio Lower Upper

266 100

268 64.3 51.9 77.9

264 62.6 51.0 76.6





#71

Phenanthrene

Concen: 21.042 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:178 Resp: 59541

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

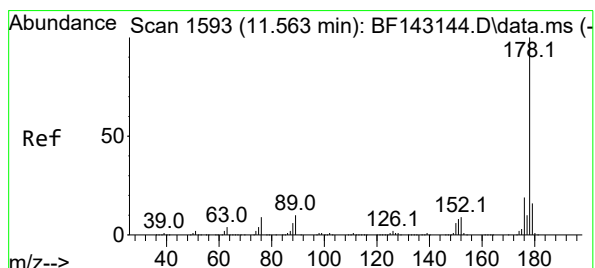
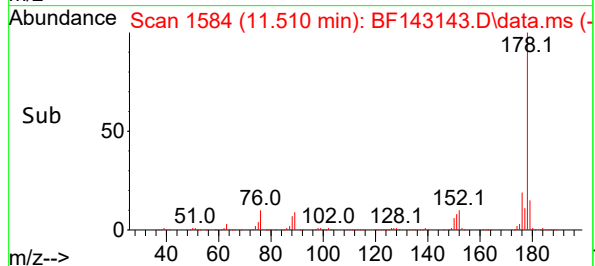
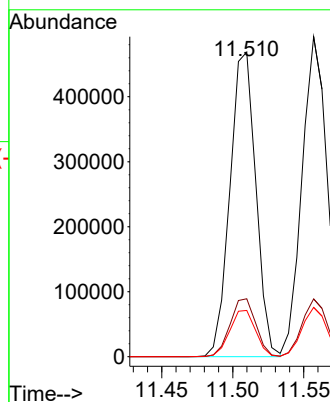
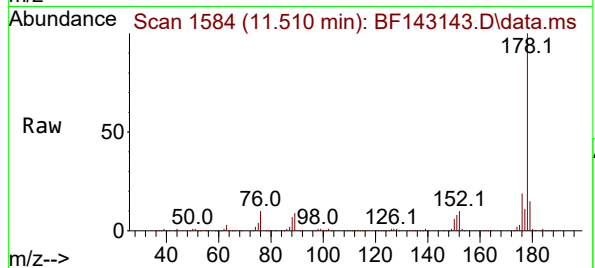
179 15.2 12.5 18.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#72

Anthracene

Concen: 20.944 ng

RT: 11.557 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

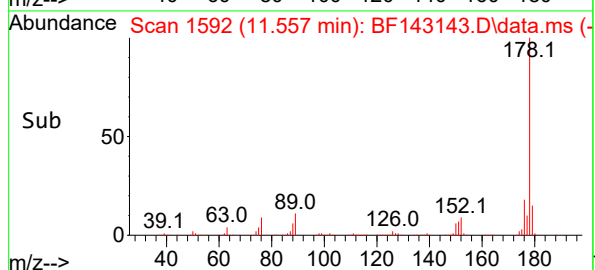
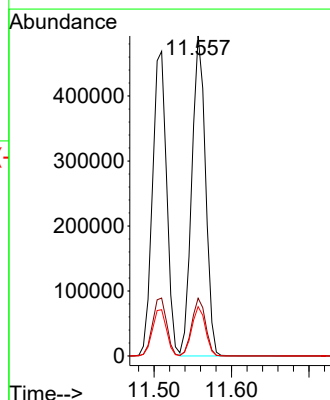
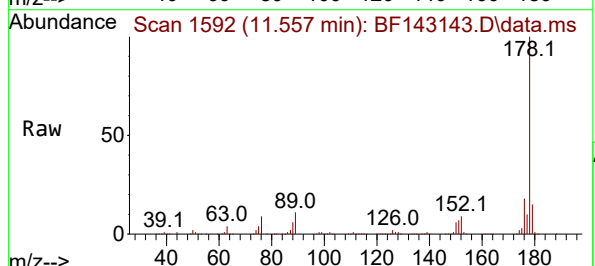
Tgt Ion:178 Resp: 604416

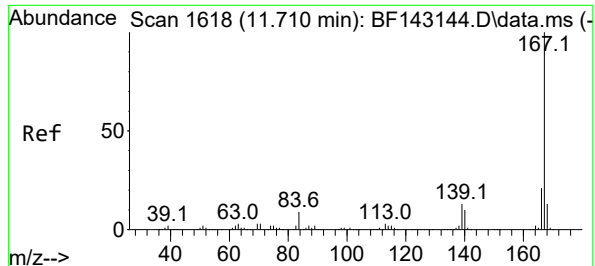
Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

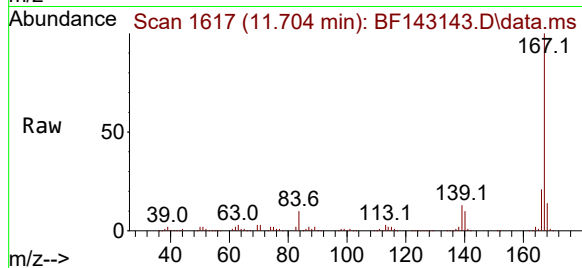
179 15.4 12.5 18.7





#73
Carbazole
Concen: 20.769 ng
RT: 11.704 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

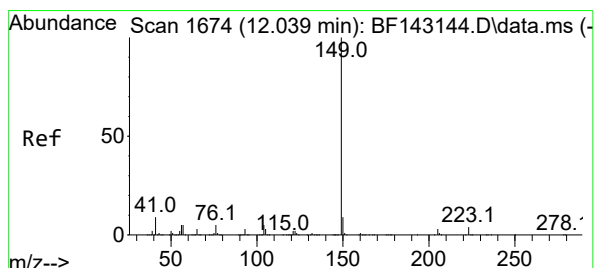
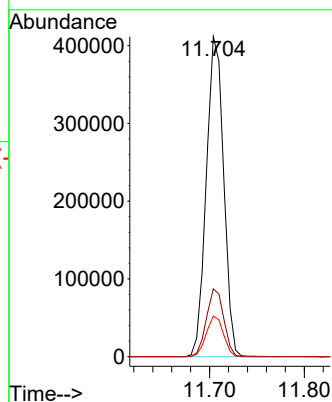
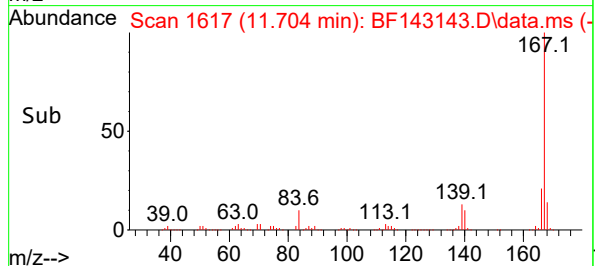
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



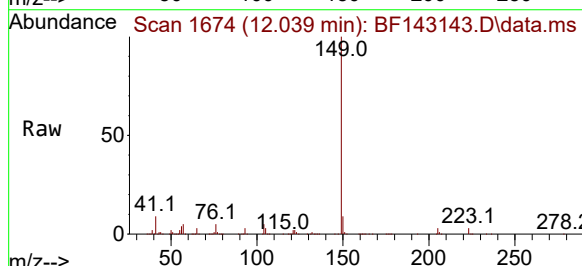
Tgt Ion:167 Resp: 52336
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.7 10.0 15.0

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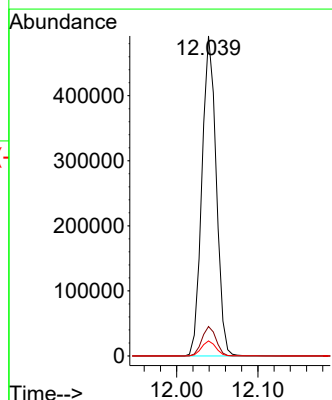
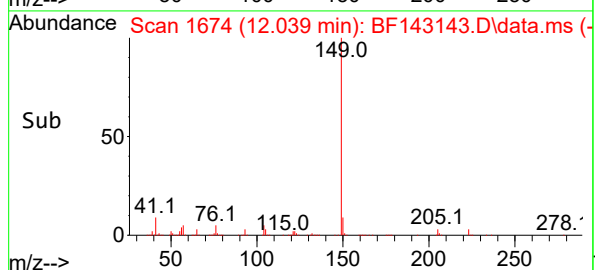
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

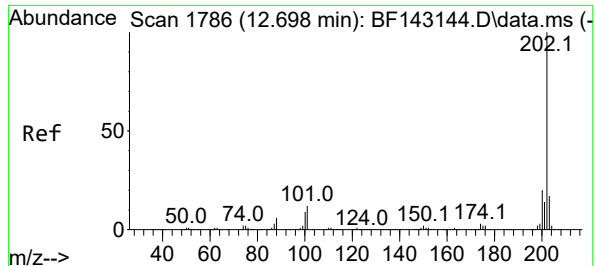


#74
Di-n-butylphthalate
Concen: 21.108 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



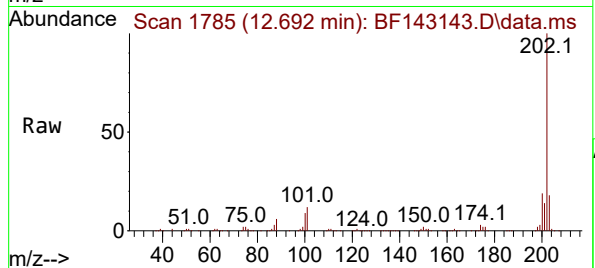
Tgt Ion:149 Resp: 601867
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 20.894 ng
RT: 12.692 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

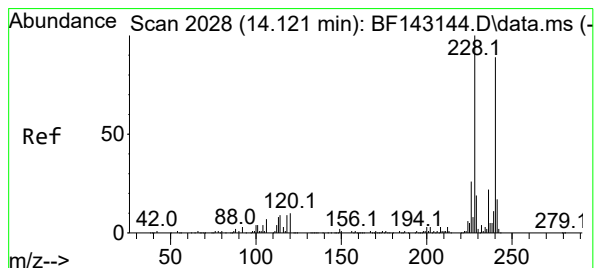
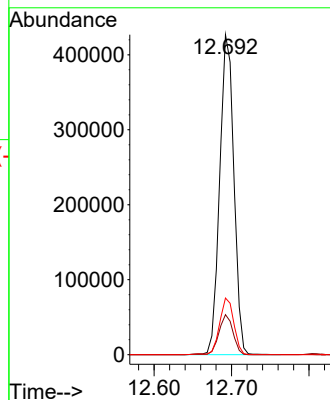
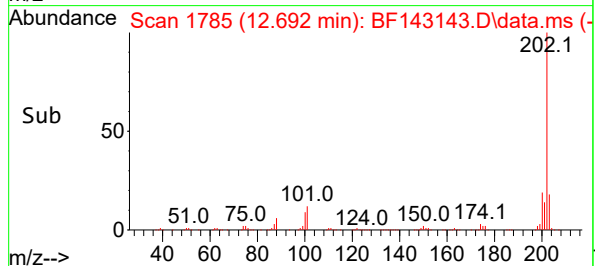
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 542662
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.7
203 17.7 0.0 37.4

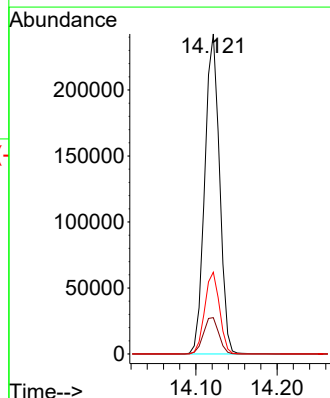
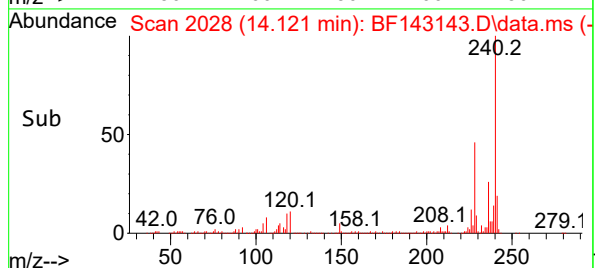
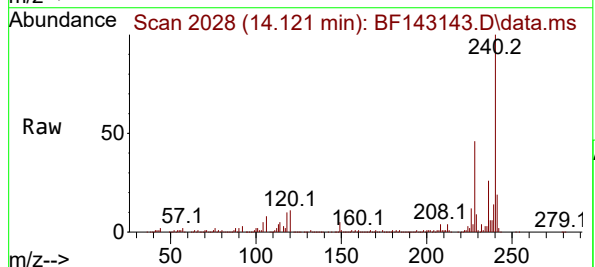
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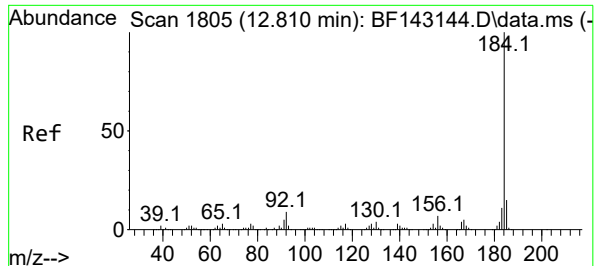
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

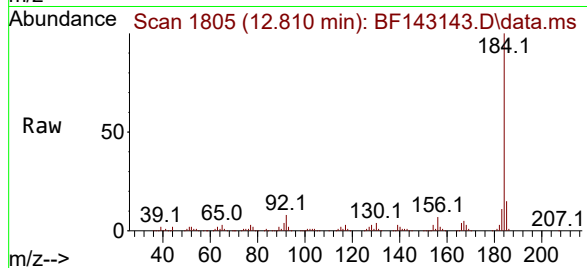
Tgt Ion:240 Resp: 305398
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 25.5 20.2 30.4





#77
Benzidine
Concen: 21.919 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

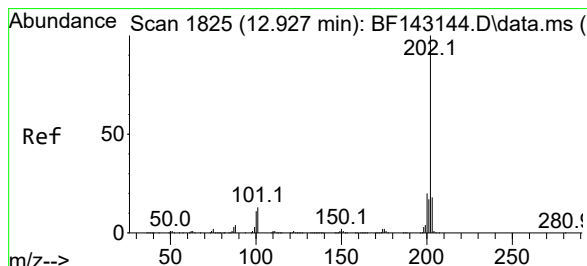
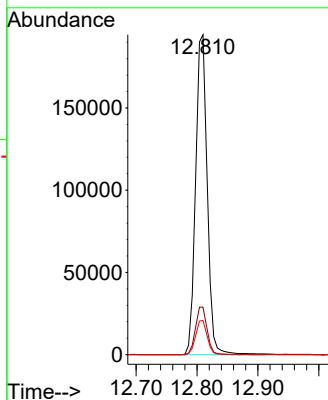
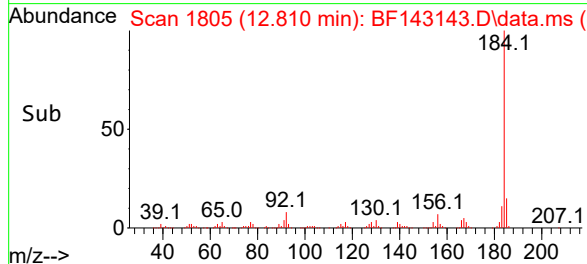
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



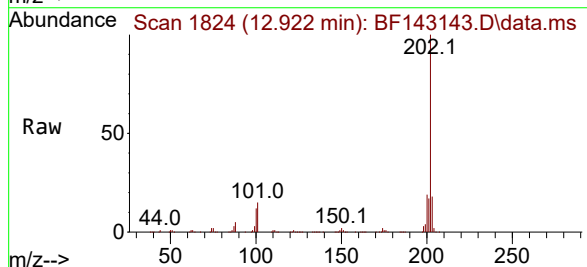
Tgt Ion:184 Resp: 257904
Ion Ratio Lower Upper
184 100
185 14.9 12.2 18.4
183 10.7 9.0 13.4

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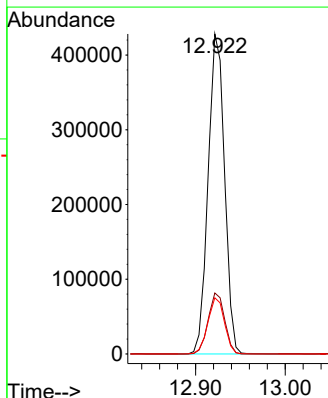
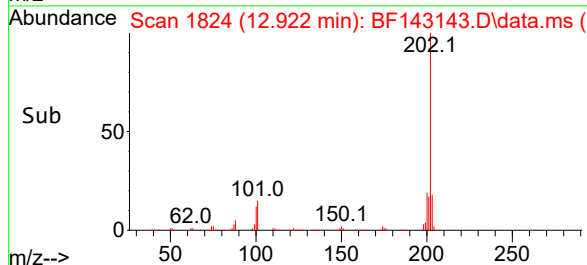
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

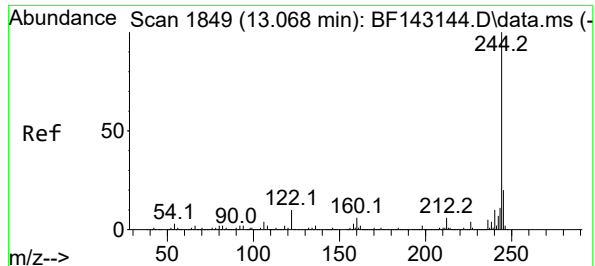


#78
Pyrene
Concen: 20.897 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



Tgt Ion:202 Resp: 544650
Ion Ratio Lower Upper
202 100
200 19.1 15.7 23.5
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 42.238 ng

RT: 13.063 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:244 Resp: 866830

Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

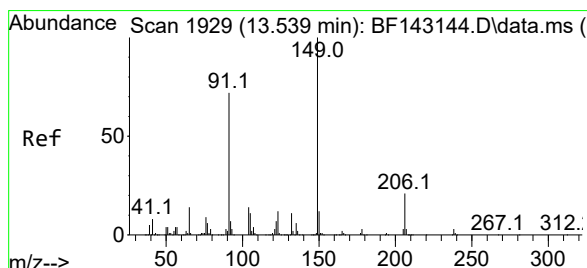
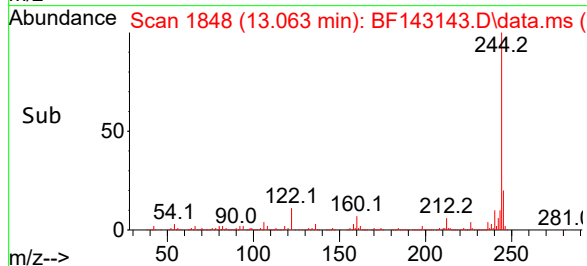
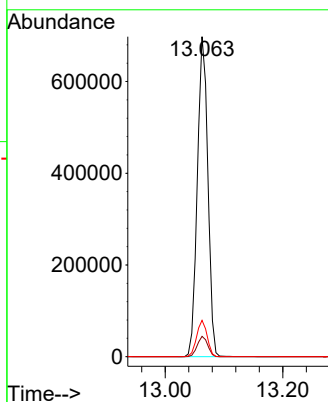
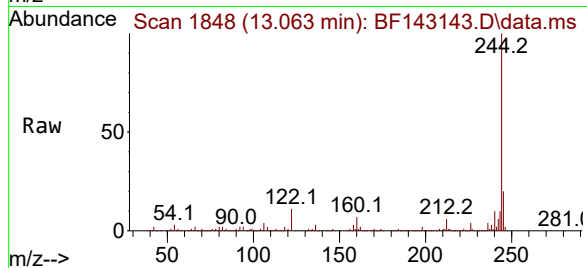
122 11.3 8.2 12.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 20.491 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

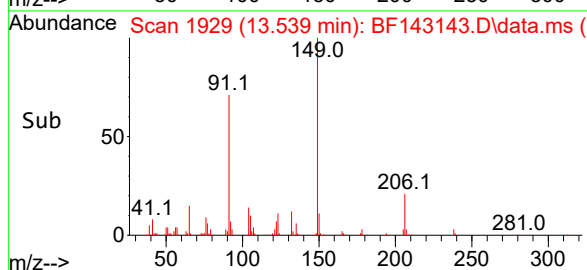
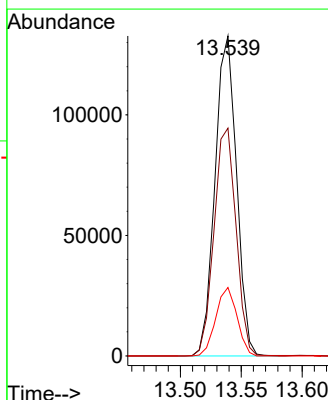
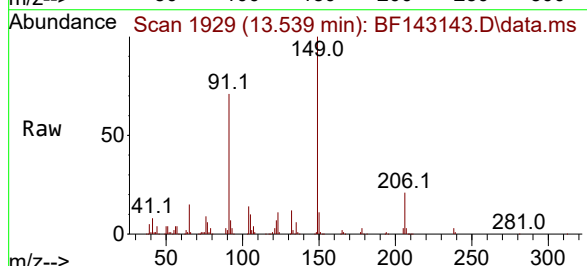
Tgt Ion:149 Resp: 163546

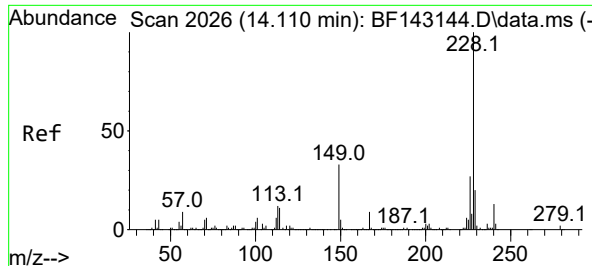
Ion Ratio Lower Upper

149 100

91 71.2 57.9 86.9

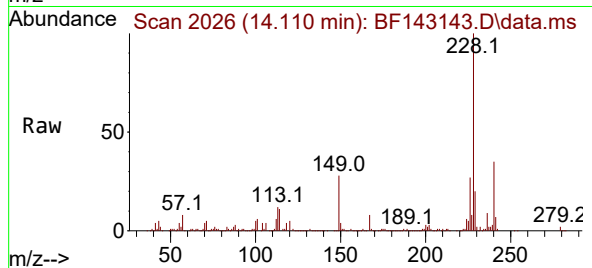
206 21.4 17.0 25.4





#81
Benzo(a)anthracene
Concen: 20.629 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

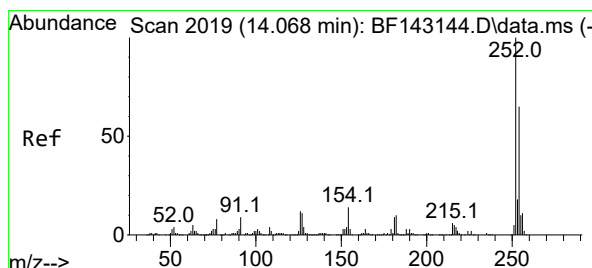
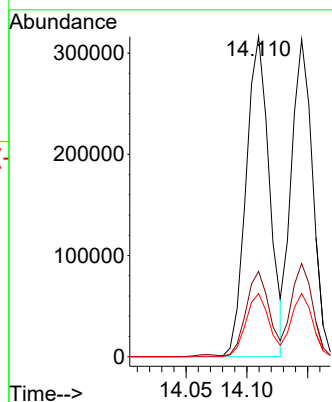
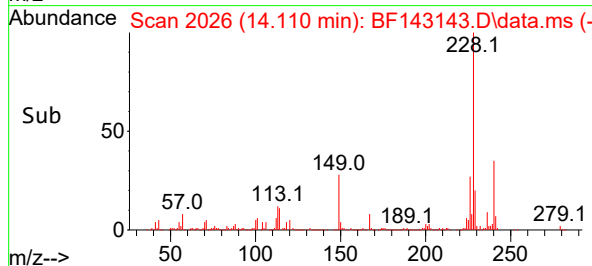
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 42179
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.8 15.8 23.6

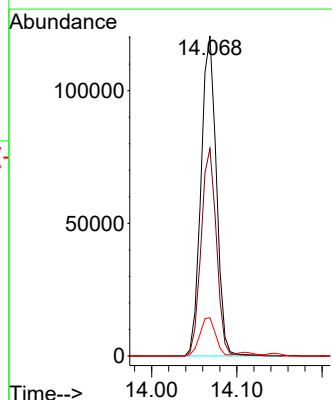
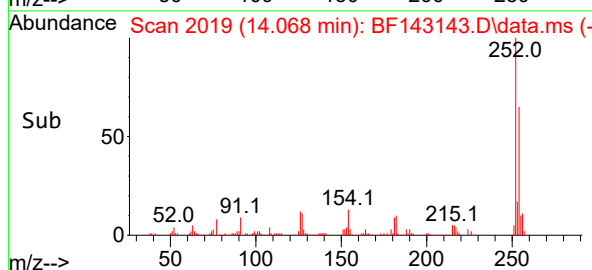
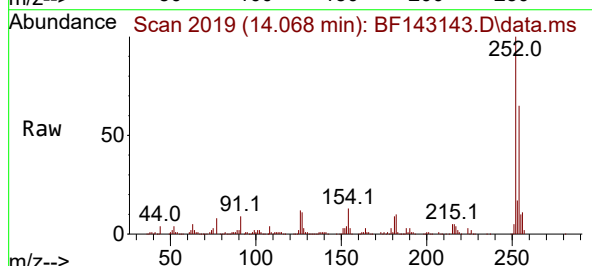
Manual Integrations
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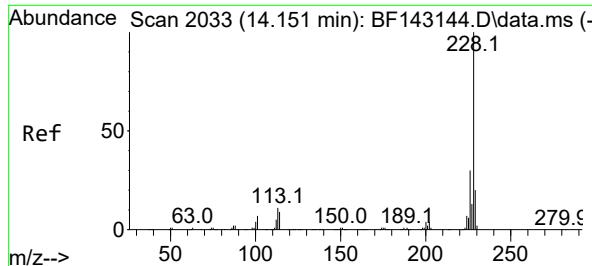
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#82
3,3'-Dichlorobenzidine
Concen: 22.181 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 151153
Ion Ratio Lower Upper
252 100
254 64.9 51.7 77.5
126 12.0 9.4 14.0





#83

Chrysene

Concen: 20.714 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:228 Resp: 380799

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

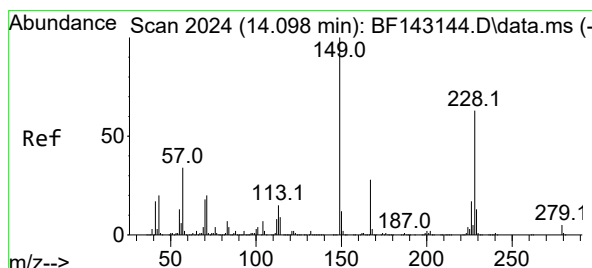
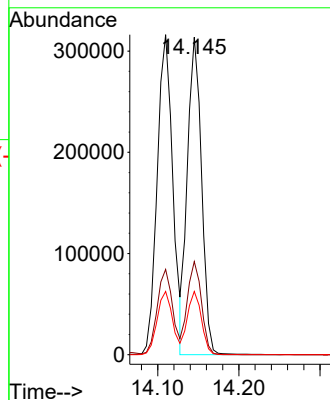
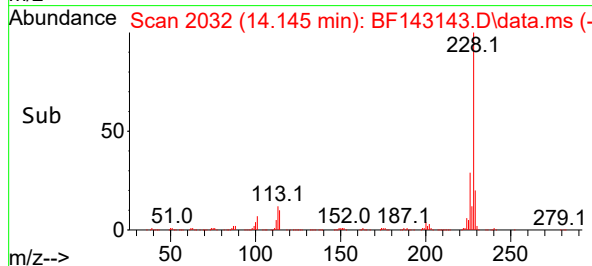
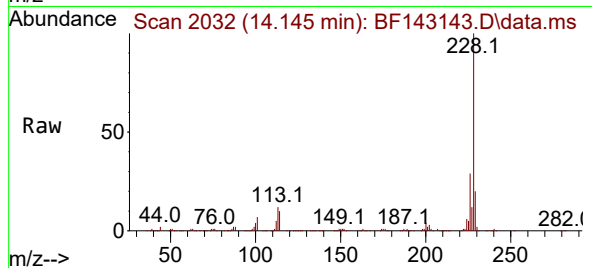
229 19.9 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.839 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

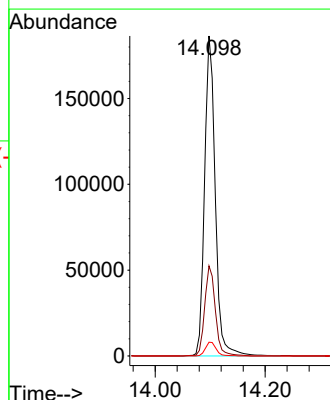
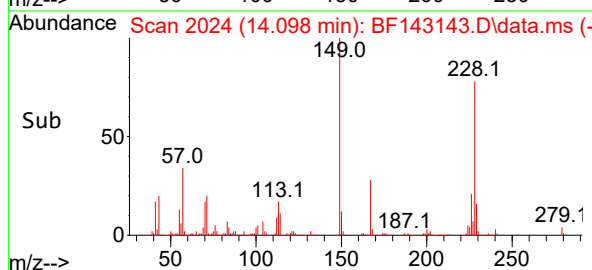
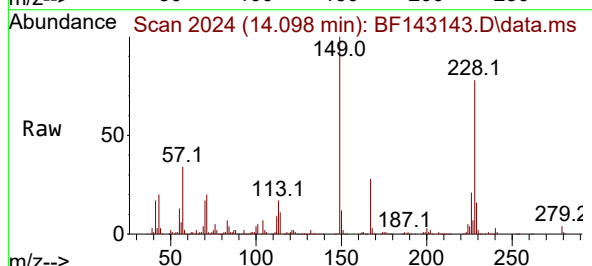
Tgt Ion:149 Resp: 251739

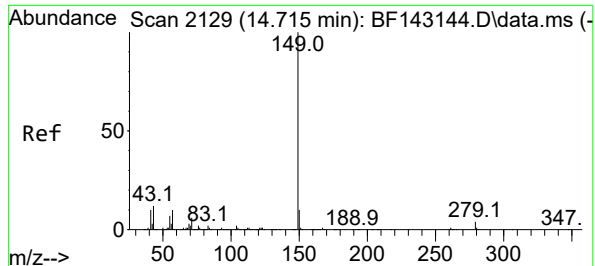
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

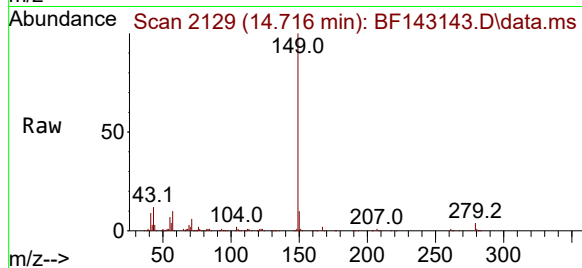
279 4.3 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 19.916 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

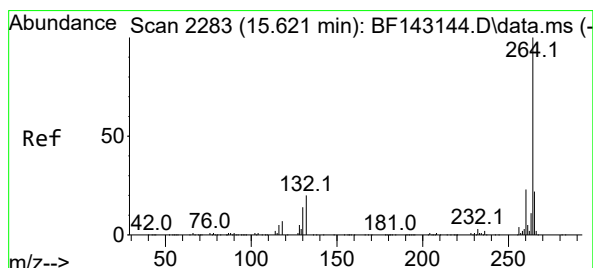
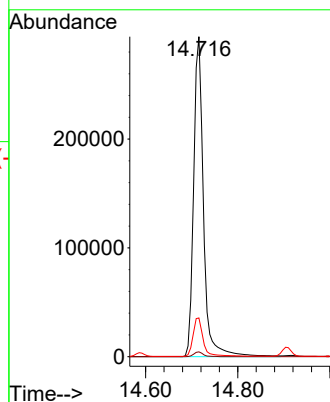
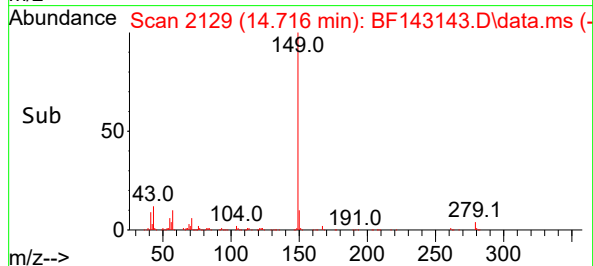
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 436102
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.4 9.7 14.5

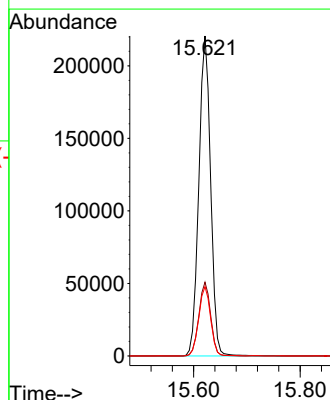
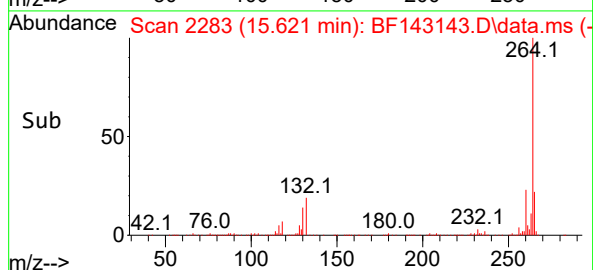
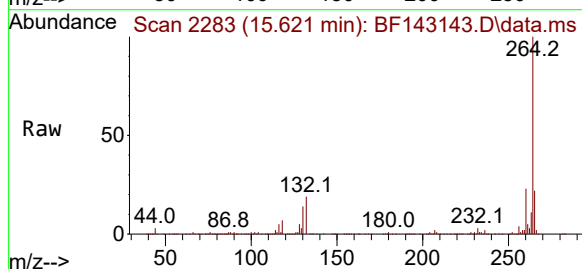
Manual Integrations
APPROVED

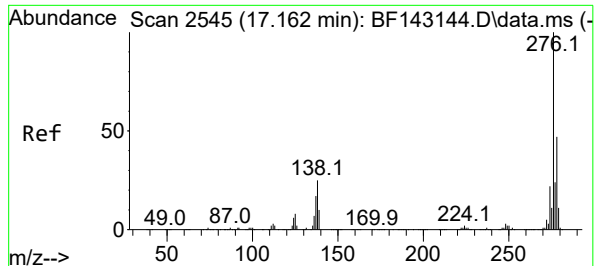
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

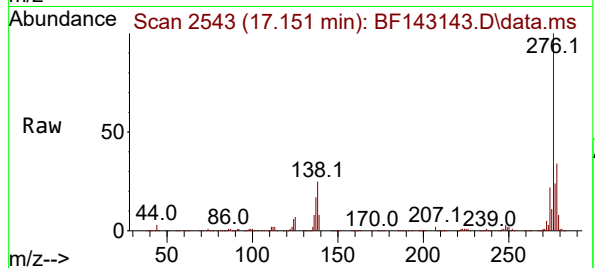
Tgt Ion:264 Resp: 338518
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.7 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.286 ng
RT: 17.151 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

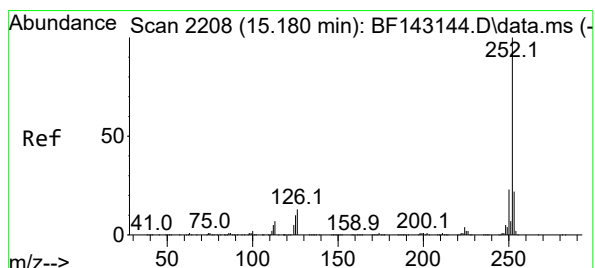
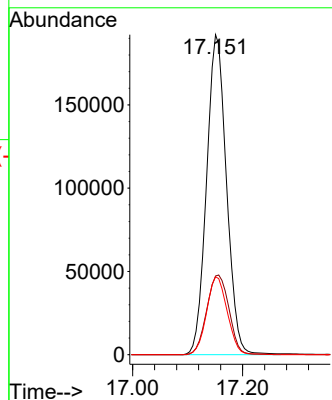
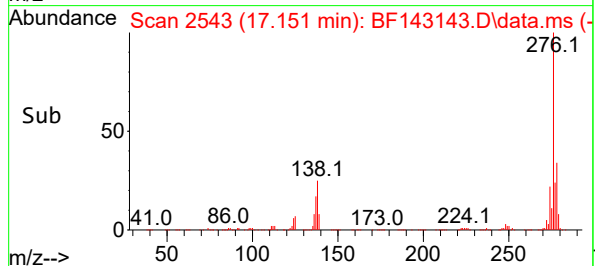
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:276 Resp: 484240
Ion Ratio Lower Upper
276 100
138 27.8 21.8 32.6
277 25.3 20.0 30.0

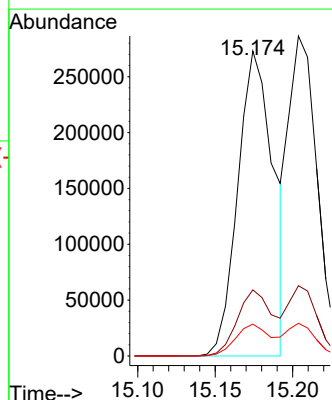
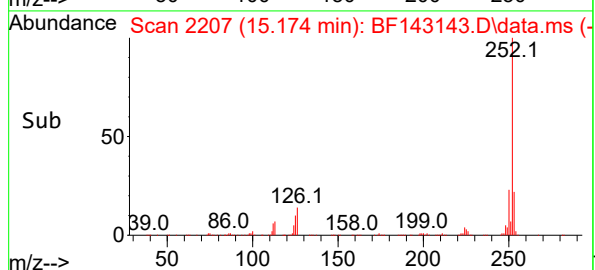
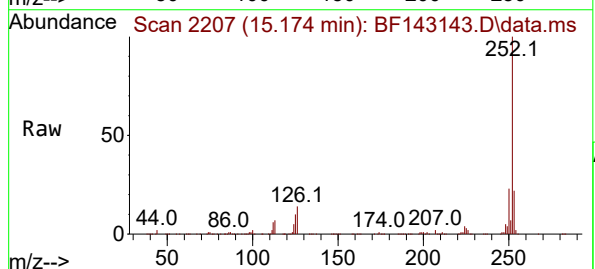
Manual Integrations
APPROVED

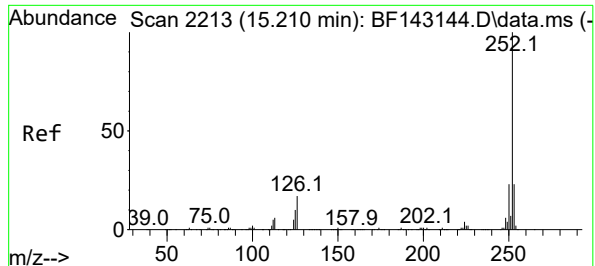
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#88
Benzo(b)fluoranthene
Concen: 21.071 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 435747
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 20.044 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 369899

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

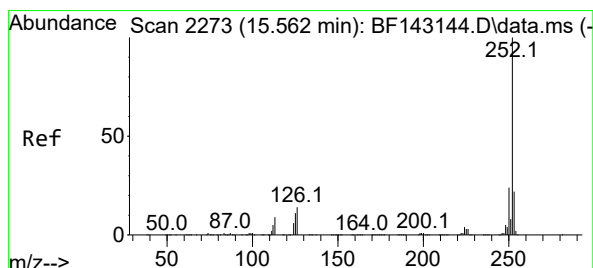
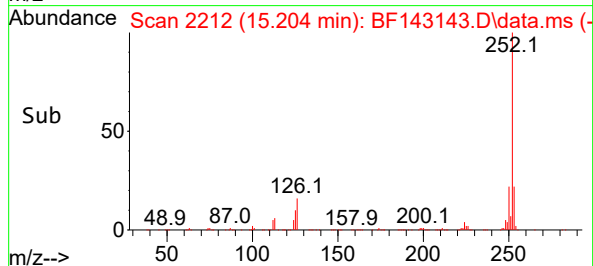
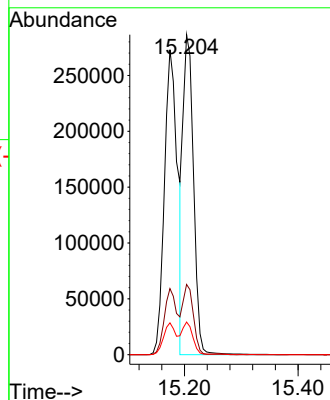
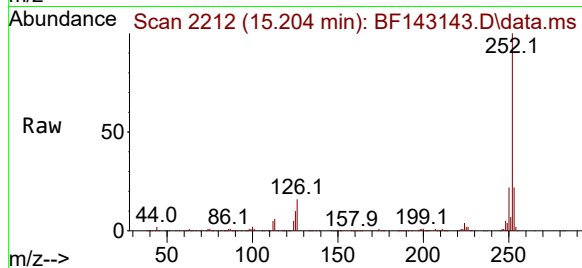
125 10.2 8.1 12.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 20.371 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

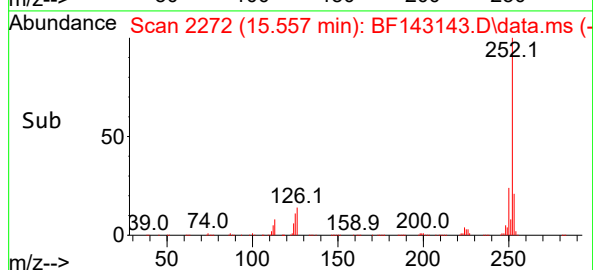
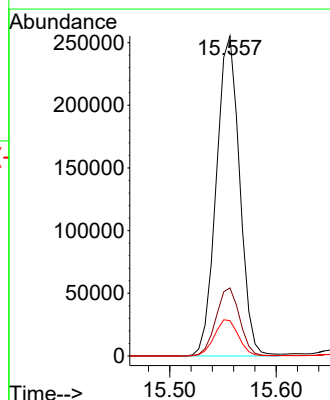
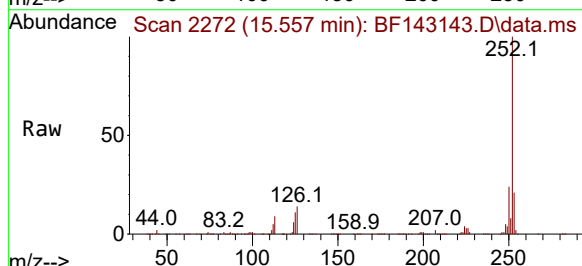
Tgt Ion:252 Resp: 388136

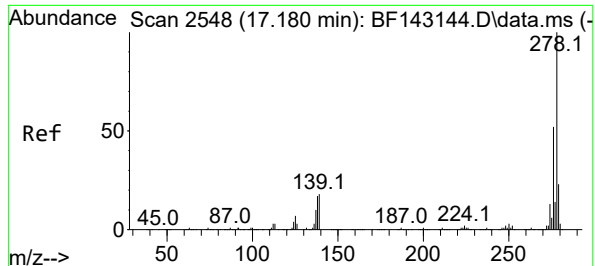
Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

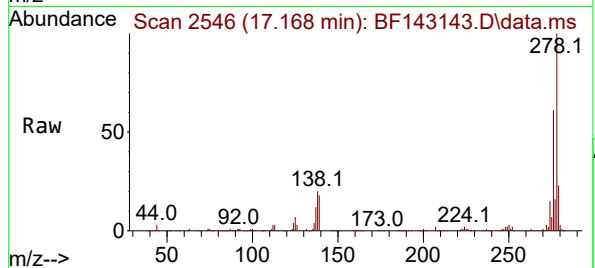
125 11.0 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 20.534 ng
RT: 17.168 min Scan# 2548
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

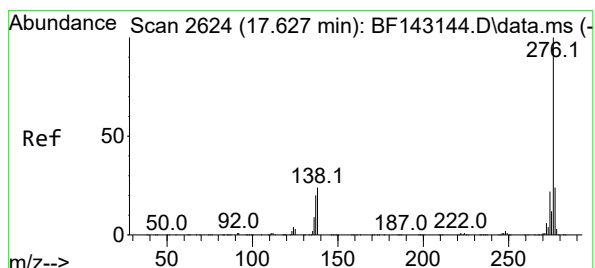
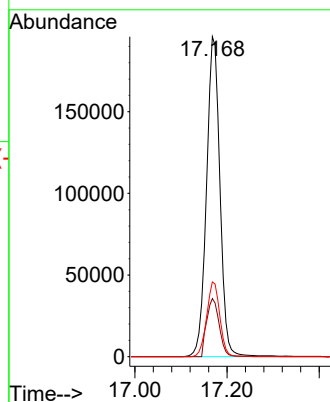
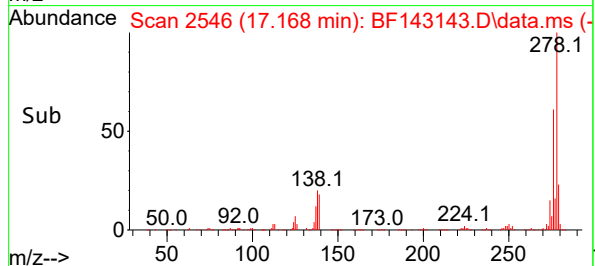
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:278 Resp: 398949
Ion Ratio Lower Upper
278 100
139 18.2 14.1 21.1
279 23.4 18.6 28.0

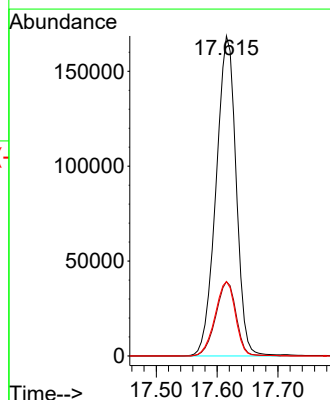
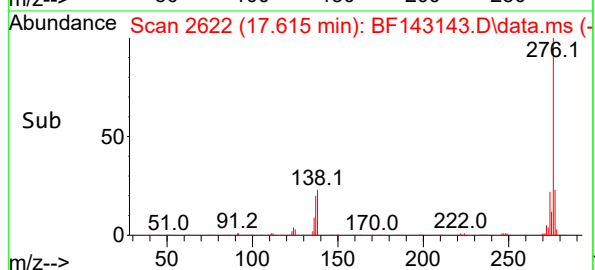
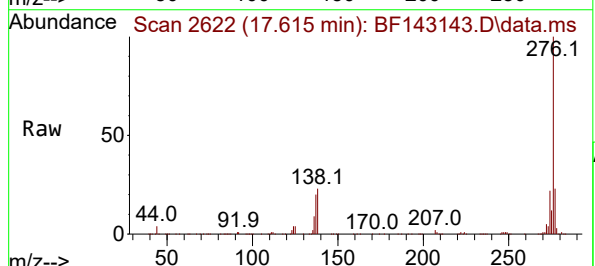
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 20.534 ng
RT: 17.615 min Scan# 2622
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:276 Resp: 385915
Ion Ratio Lower Upper
276 100
277 23.3 19.1 28.7
138 23.3 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143144.D
 Acq On : 17 Jul 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:03:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	167098	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	641413	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	331881	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	542726	20.000	ng	0.00
76) Chrysene-d12	14.121	240	296414	20.000	ng	0.00
86) Perylene-d12	15.621	264	323574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	823062	77.946	ng	0.00
7) Phenol-d6	6.587	99	1038821	78.160	ng	0.00
23) Nitrobenzene-d5	7.522	82	1023138	79.512	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	279373	81.485	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1802398	74.274	ng	0.00
79) Terphenyl-d14	13.068	244	1554923	78.063	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	200396	40.108	ng	100
3) Pyridine	3.587	79	511417	39.435	ng	100
4) n-Nitrosodimethylamine	3.534	42	270676	40.426	ng	100
6) Aniline	6.622	93	736668	39.770	ng	100
8) 2-Chlorophenol	6.745	128	437914	39.565	ng	100
9) Benzaldehyde	6.516	77	482238	48.387	ng	100
10) Phenol	6.598	94	571741m	39.487	ng	
11) bis(2-Chloroethyl)ether	6.692	93	435450	39.279	ng	100
12) 1,3-Dichlorobenzene	6.904	146	468194	38.939	ng	100
13) 1,4-Dichlorobenzene	6.981	146	474015	39.147	ng	100
14) 1,2-Dichlorobenzene	7.134	146	448808	38.970	ng	100
15) Benzyl Alcohol	7.098	79	406107	40.017	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	808980	39.337	ng	100
17) 2-Methylphenol	7.204	107	366495	39.381	ng	100
18) Hexachloroethane	7.481	117	165263	39.425	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	329619	38.656	ng	100
20) 3+4-Methylphenols	7.357	107	448100	39.685	ng	100
22) Acetophenone	7.369	105	583796	38.444	ng	100
24) Nitrobenzene	7.545	77	481500	40.136	ng	100
25) Isophorone	7.781	82	888017	39.093	ng	100
26) 2-Nitrophenol	7.857	139	220354	42.323	ng	100
27) 2,4-Dimethylphenol	7.886	122	416128	39.210	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	529258	38.860	ng	100
29) 2,4-Dichlorophenol	8.098	162	353866	39.537	ng	100
30) 1,2,4-Trichlorobenzene	8.186	180	376590	38.947	ng	100
31) Naphthalene	8.269	128	1224033	38.749	ng	100
32) Benzoic acid	7.992	122	230958m	39.680	ng	
33) 4-Chloroaniline	8.310	127	500402	38.796	ng	100
34) Hexachlorobutadiene	8.386	225	231609	39.211	ng	100
35) Caprolactam	8.681	113	111733	41.312	ng	100
36) 4-Chloro-3-methylphenol	8.781	107	385507	39.628	ng	100
37) 2-Methylnaphthalene	8.957	142	744295	38.720	ng	100
38) 1-Methylnaphthalene	9.057	142	768508	38.825	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	365234	38.118	ng	100
41) Hexachlorocyclopentadiene	9.116	237	247480	39.695	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	255115	38.471	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143144.D
 Acq On : 17 Jul 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:03:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	268615	40.494	ng	100
46) 1,1'-Biphenyl	9.422	154	988537	38.177	ng	100
47) 2-Chloronaphthalene	9.445	162	731879	38.200	ng	100
48) 2-Nitroaniline	9.533	65	249908	41.594	ng	100
49) Acenaphthylene	9.863	152	1234789	38.458	ng	100
50) Dimethylphthalate	9.716	163	848828	39.238	ng	100
51) 2,6-Dinitrotoluene	9.775	165	184242	41.866	ng	100
52) Acenaphthene	10.033	154	727386	38.330	ng	100
53) 3-Nitroaniline	9.945	138	210179	40.832	ng	100
54) 2,4-Dinitrophenol	10.045	184	69157	38.449	ng	100
55) Dibenzofuran	10.204	168	1083678	38.462	ng	100
56) 4-Nitrophenol	10.086	139	163009	42.408	ng	100
57) 2,4-Dinitrotoluene	10.175	165	235101	42.581	ng	100
58) Fluorene	10.551	166	804336	38.037	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	220872	40.196	ng	100
60) Diethylphthalate	10.416	149	842184	39.387	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	406477	38.604	ng	100
62) 4-Nitroaniline	10.557	138	185530	42.055	ng	100
63) Azobenzene	10.698	77	876387	39.326	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	105533	38.322	ng	100
66) n-Nitrosodiphenylamine	10.657	169	731532	38.278	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	247764	38.307	ng	100
68) Hexachlorobenzene	11.098	284	259758	38.424	ng	100
69) Atrazine	11.174	200	212970	40.421	ng	100
70) Pentachlorophenol	11.286	266	161013	40.500	ng	100
71) Phenanthrene	11.510	178	1107412	38.429	ng	100
72) Anthracene	11.563	178	1126710	38.336	ng	100
73) Carbazole	11.710	167	1008669	39.304	ng	100
74) Di-n-butylphthalate	12.039	149	1165443	40.135	ng	100
75) Fluoranthene	12.698	202	1034509	39.111	ng	100
77) Benzidine	12.810	184	564732	49.451	ng	100
78) Pyrene	12.927	202	1016822	40.195	ng	100
80) Butylbenzylphthalate	13.539	149	322273	41.603	ng	100
81) Benzo(a)anthracene	14.110	228	759726	38.283	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	254099	38.418	ng	100
83) Chrysene	14.151	228	715222	40.085	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	467892	39.906	ng	100
85) Di-n-octyl phthalate	14.715	149	820264	38.595	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	914626	40.086	ng	100
88) Benzo(b)fluoranthene	15.180	252	742346	37.554	ng	100
89) Benzo(k)fluoranthene	15.210	252	733635	41.591	ng	100
90) Benzo(a)pyrene	15.562	252	725344	39.826	ng	100
91) Dibenzo(a,h)anthracene	17.180	278	742180	39.964	ng	100
92) Benzo(g,h,i)perylene	17.627	276	717648	39.949	ng	100

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

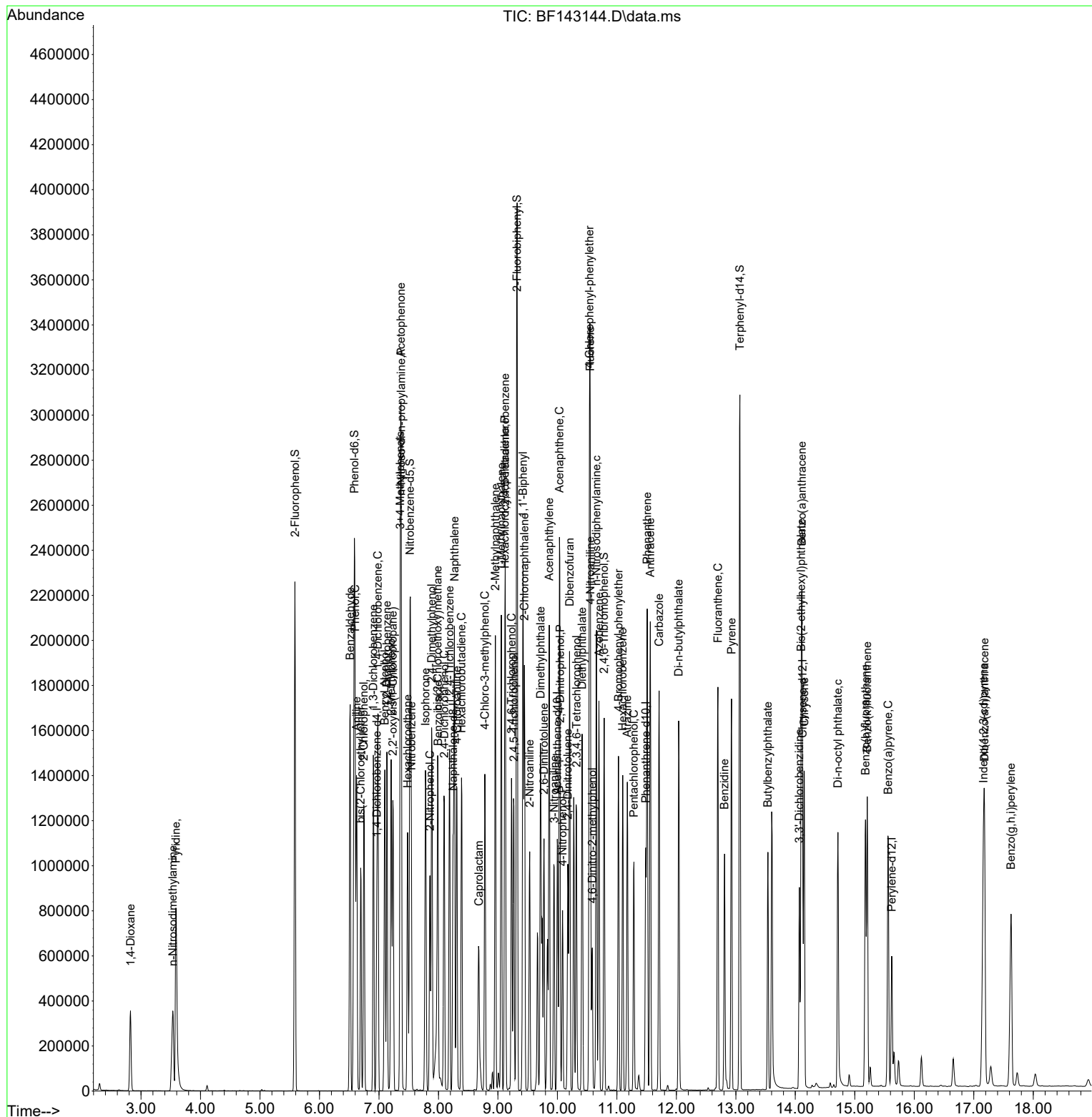
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143144.D
Acq On : 17 Jul 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

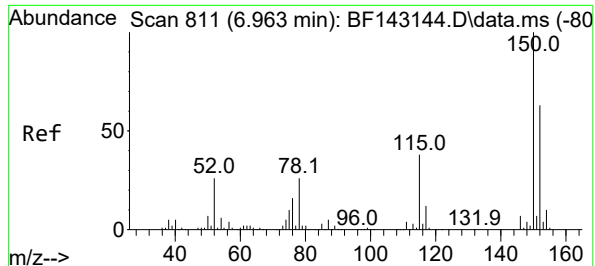
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jaagrut Upadhyay 07/18/2025

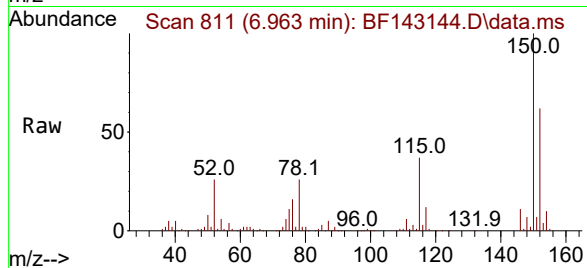
Quant Time: Jul 17 15:03:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

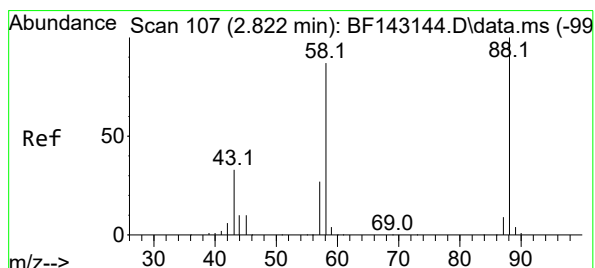
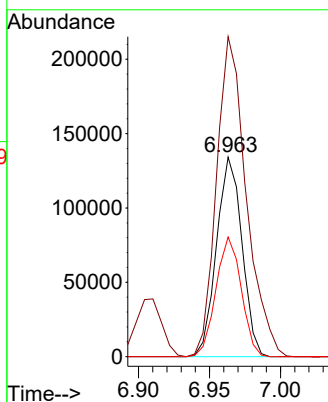
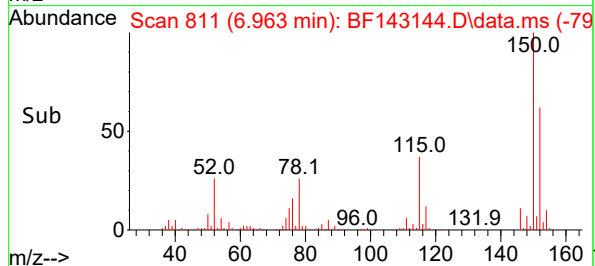
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:152 Resp: 167098
Ion Ratio Lower Upper
152 100
150 160.3 128.2 192.4
115 59.9 47.9 71.9

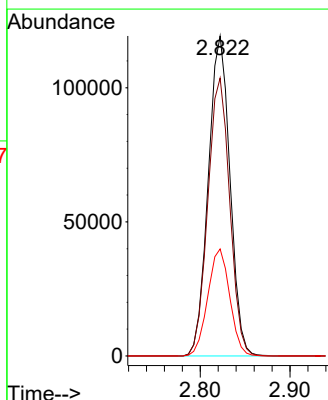
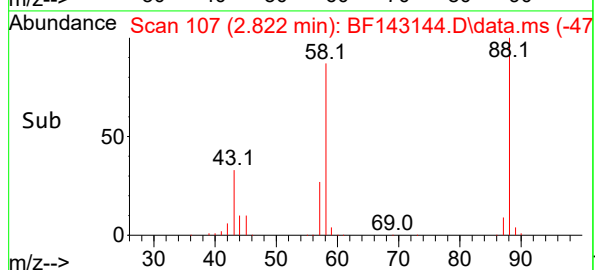
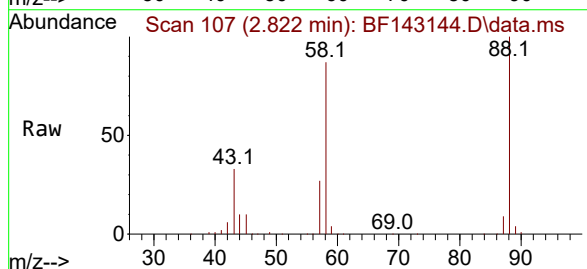
Manual Integrations
APPROVED

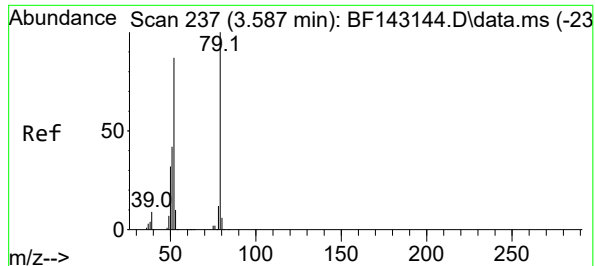
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 40.108 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

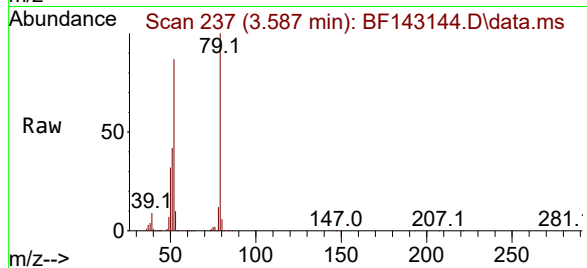
Tgt Ion: 88 Resp: 200396
Ion Ratio Lower Upper
88 100
58 87.7 70.2 105.2
43 33.9 27.1 40.7





#3
Pyridine
Concen: 39.435 ng
RT: 3.587 min Scan# 237
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

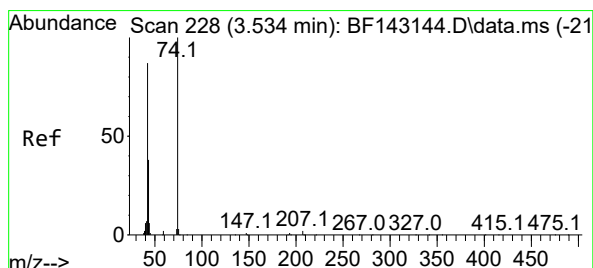
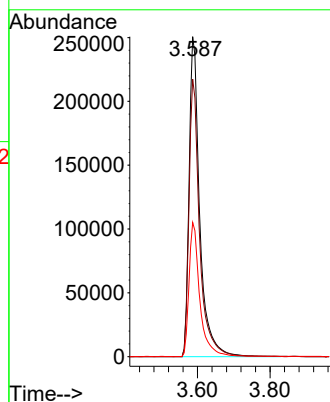
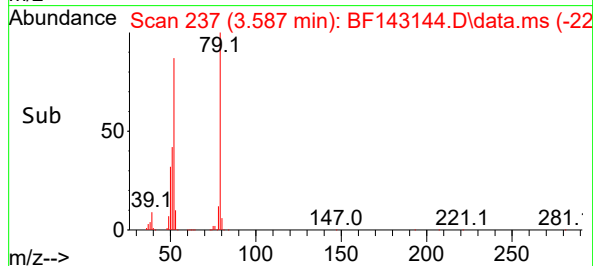
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 79 Resp: 51141
Ion Ratio Lower Upper
79 100
52 86.8 69.4 104.2
51 41.9 33.5 50.3

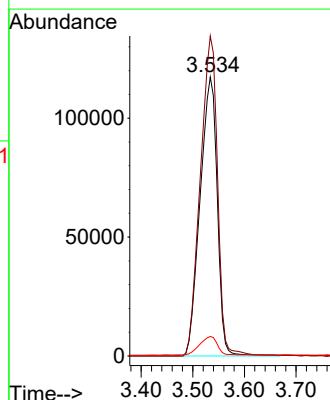
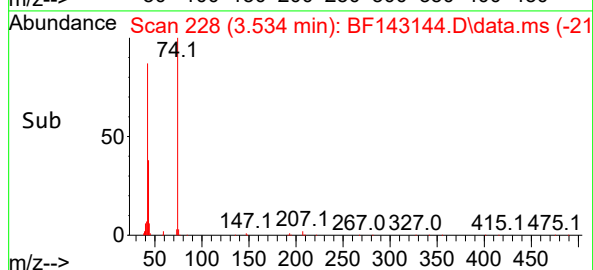
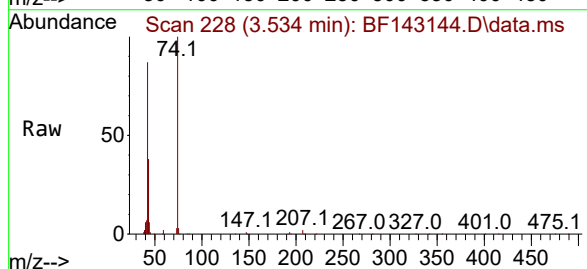
Manual Integrations
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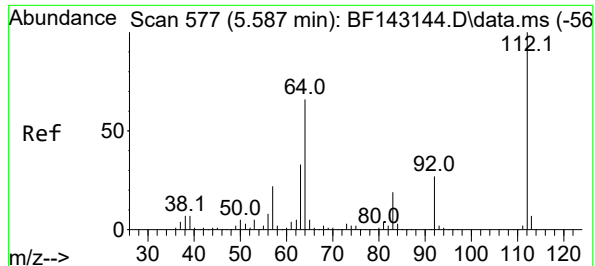
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#4
n-Nitrosodimethylamine
Concen: 40.426 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

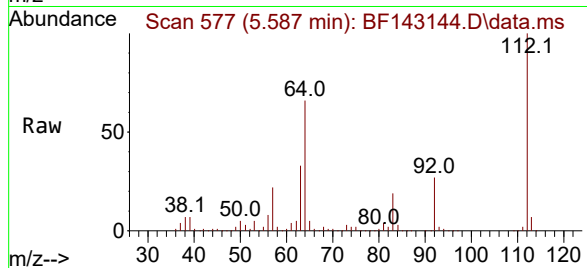
Tgt Ion: 42 Resp: 270676
Ion Ratio Lower Upper
42 100
74 114.6 91.7 137.5
44 7.0 5.6 8.4





#5
2-Fluorophenol
Concen: 77.946 ng
RT: 5.587 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

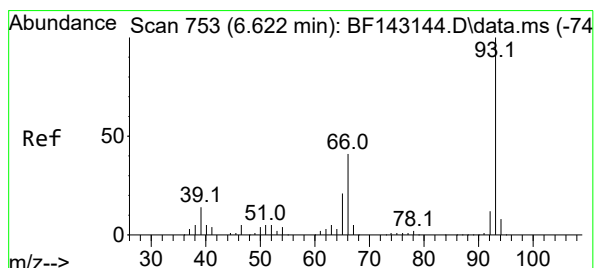
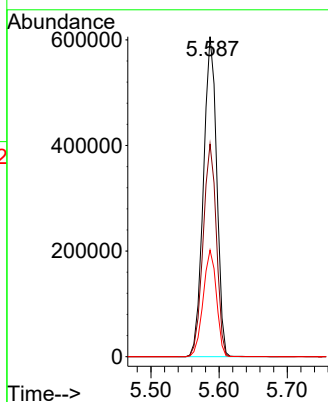
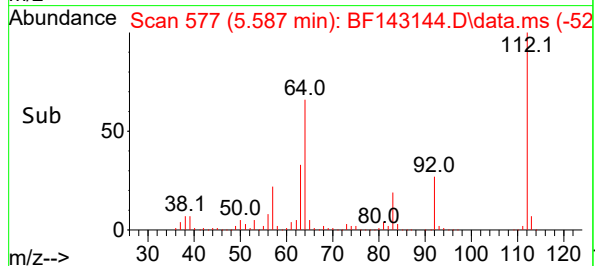
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:112 Resp: 823062
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.3 26.6 40.0

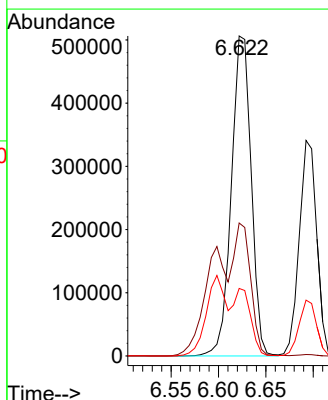
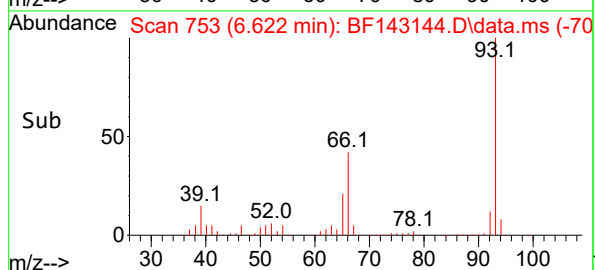
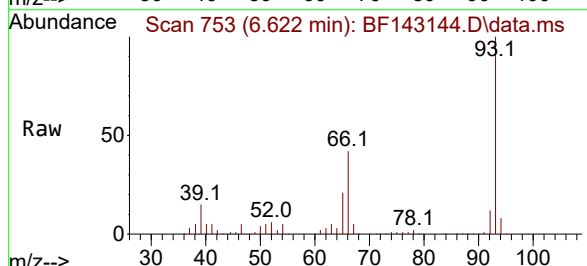
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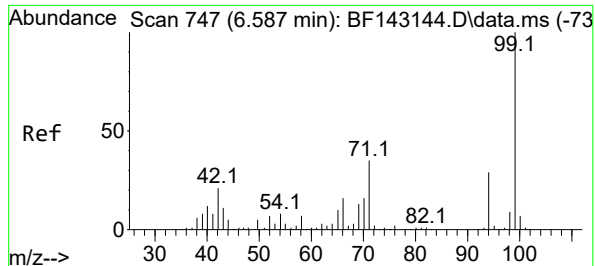
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 39.770 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 93 Resp: 736668
Ion Ratio Lower Upper
93 100
66 41.5 33.2 49.8
65 21.1 16.9 25.3





#7

Phenol-d6

Concen: 78.160 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 103882

Ion Ratio Lower Upper

99 100

42 21.3 17.0 25.6

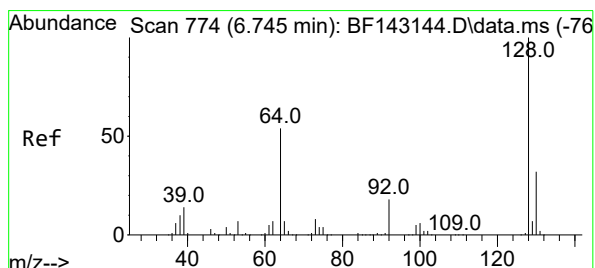
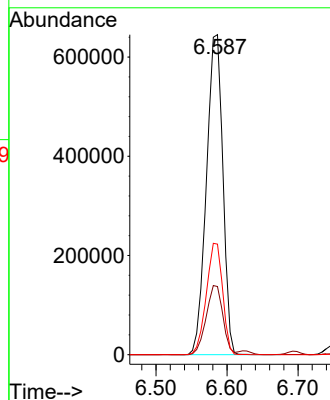
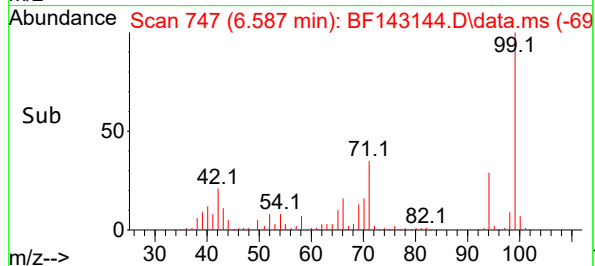
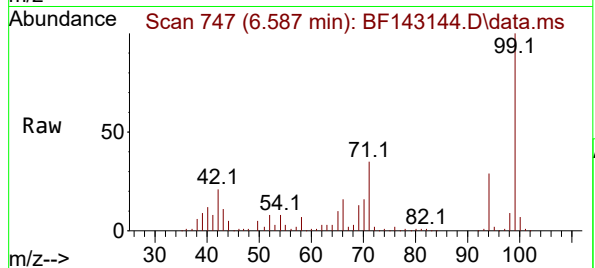
71 34.6 27.7 41.5

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Supervised By :Jagrut Upadhyay 07/18/2025



#8

2-Chlorophenol

Concen: 39.565 ng

RT: 6.745 min Scan# 774

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

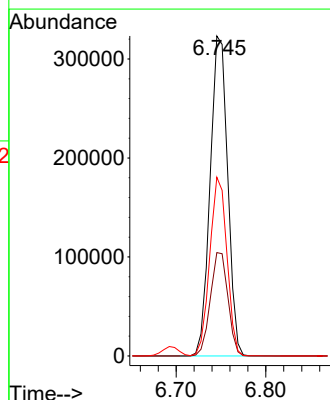
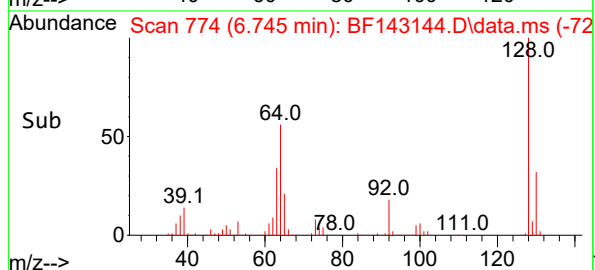
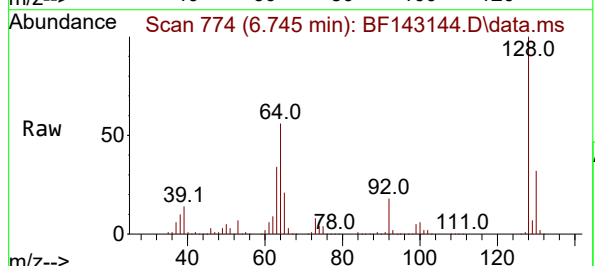
Tgt Ion:128 Resp: 437914

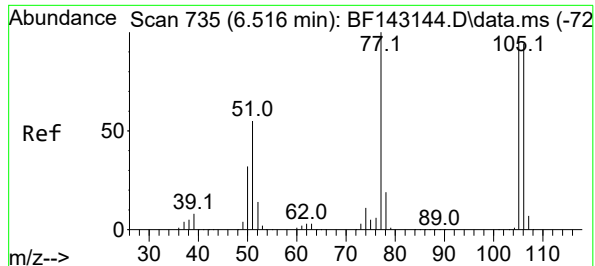
Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

64 55.9 35.9 75.9





#9

Benzaldehyde

Concen: 48.387 ng

RT: 6.516 min Scan# 735

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 482238

Ion Ratio Lower Upper

77 100

105 96.8 76.8 116.8

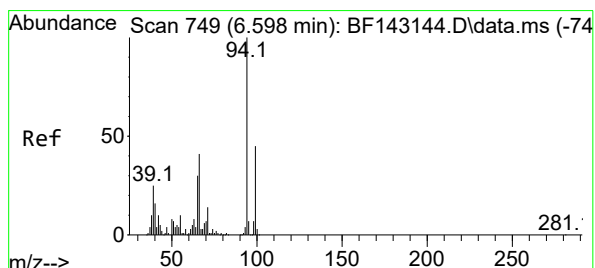
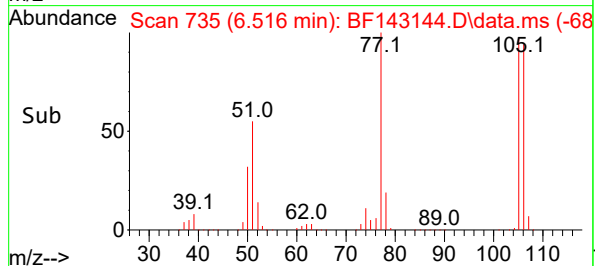
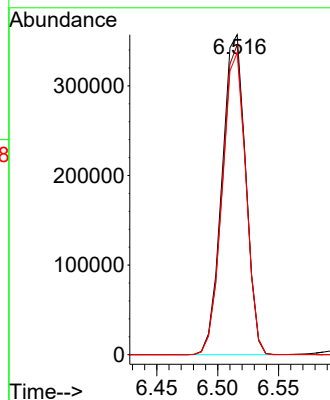
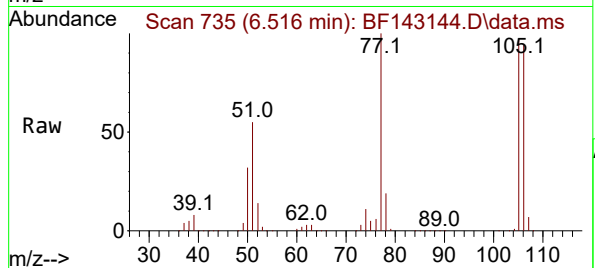
106 94.4 74.4 114.4

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Supervised By :Jagrut Upadhyay 07/18/2025



#10

Phenol

Concen: 39.487 ng m

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

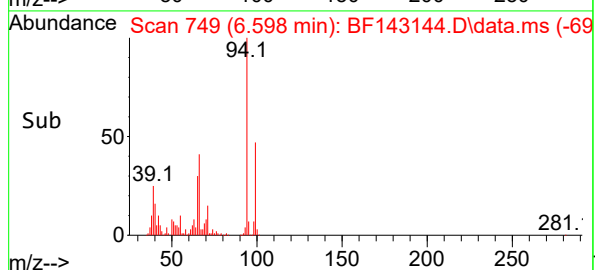
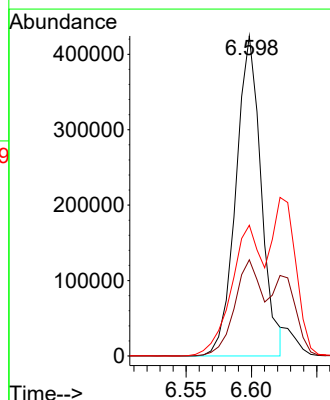
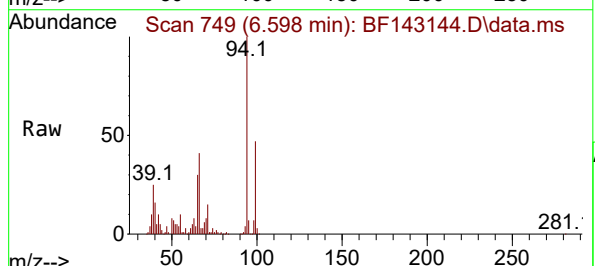
Tgt Ion: 94 Resp: 571741

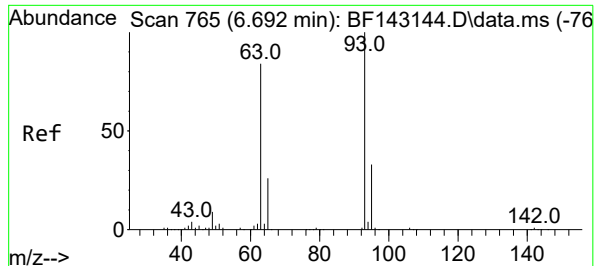
Ion Ratio Lower Upper

94 100

65 30.0 10.0 50.0

66 40.8 20.8 60.8





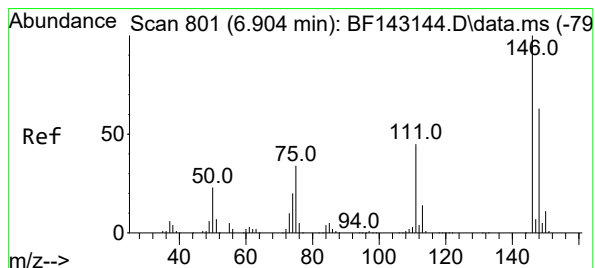
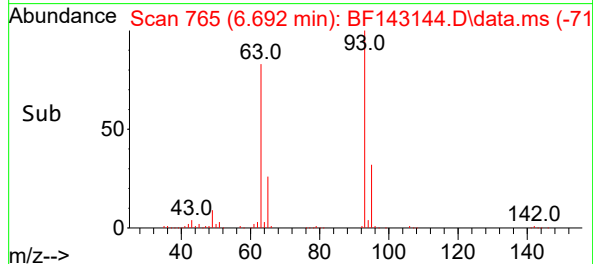
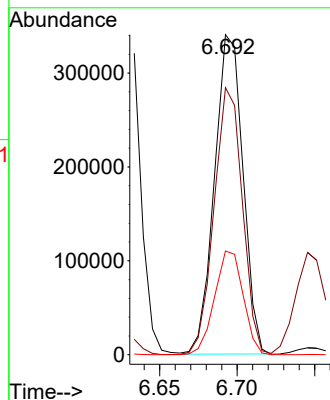
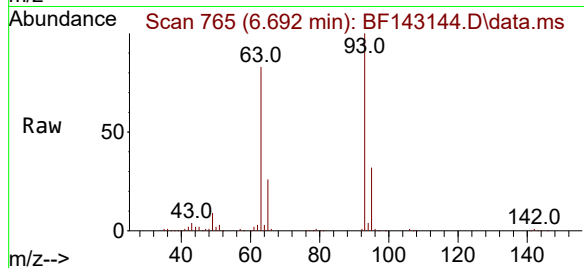
#11
bis(2-Chloroethyl)ether
Concen: 39.279 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 435450
Ion Ratio Lower Upper
93 100
63 83.4 63.4 103.4
95 32.4 12.4 52.4

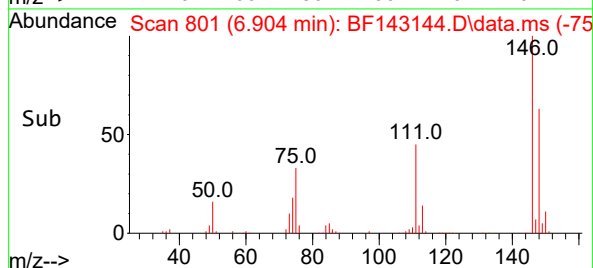
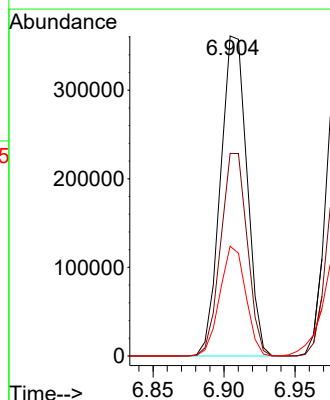
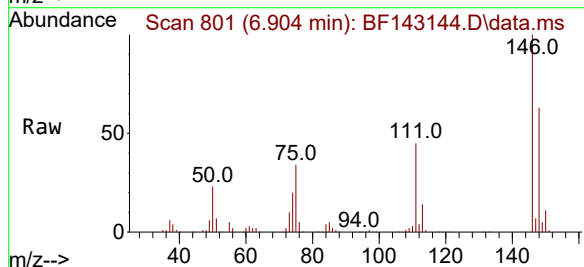
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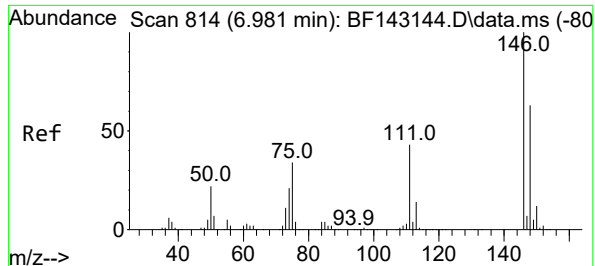
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 38.939 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:146 Resp: 468194
Ion Ratio Lower Upper
146 100
148 63.3 50.6 76.0
75 34.3 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.147 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 474015

Ion Ratio Lower Upper

146 100

148 62.9 50.3 75.5

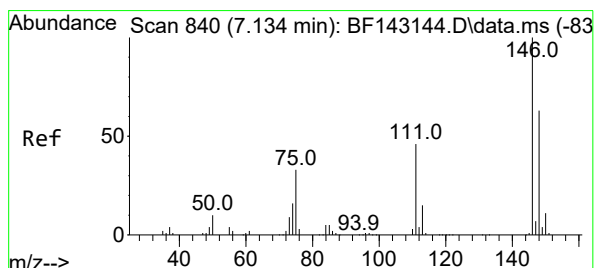
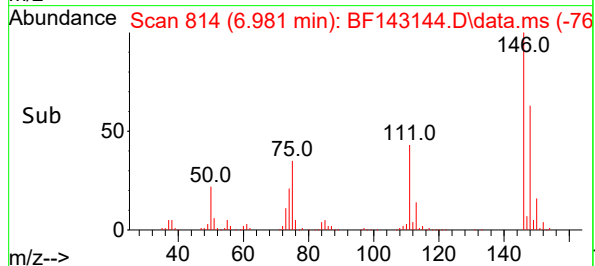
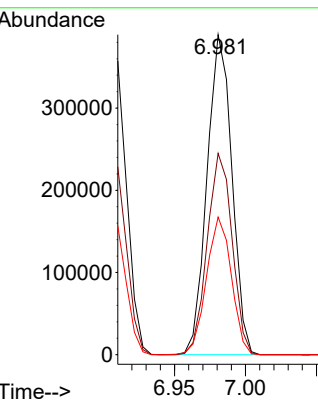
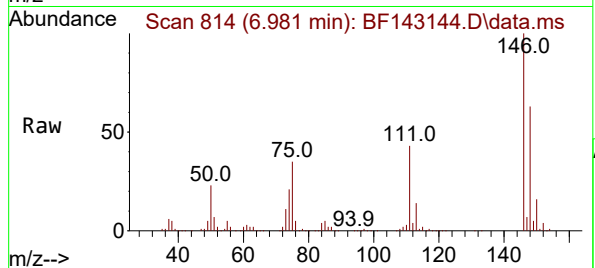
111 43.0 34.4 51.6

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#14

1,2-Dichlorobenzene

Concen: 38.970 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

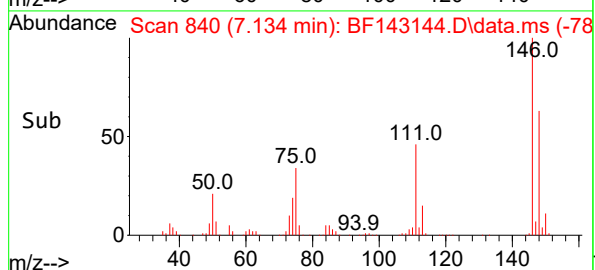
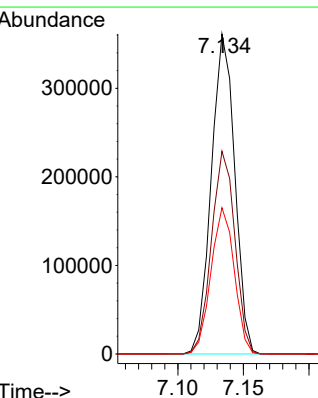
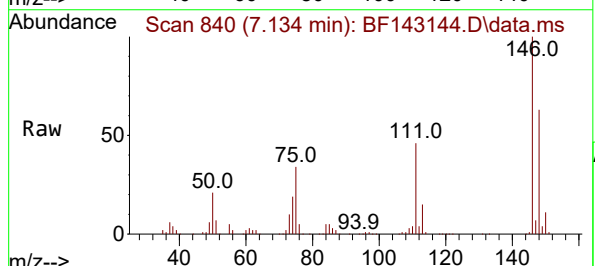
Tgt Ion:146 Resp: 448808

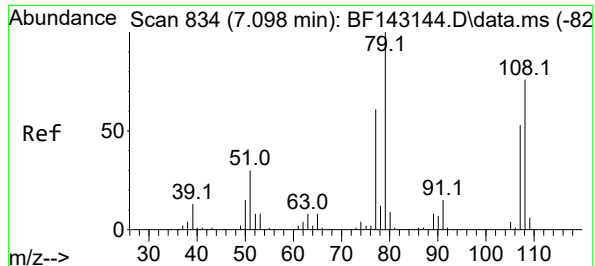
Ion Ratio Lower Upper

146 100

148 63.4 50.7 76.1

111 45.7 36.6 54.8





#15

Benzyl Alcohol

Concen: 40.017 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 406107

Ion Ratio Lower Upper

79 100

108 76.4 61.1 91.7

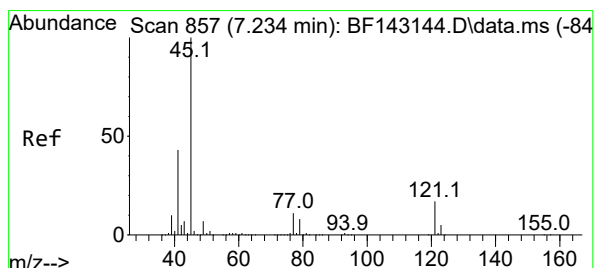
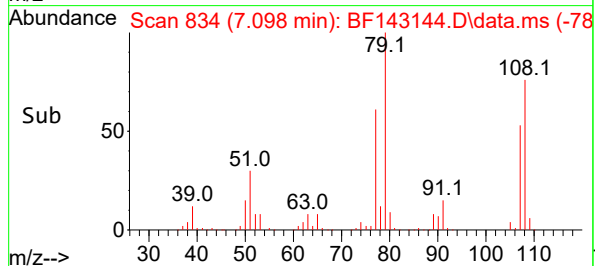
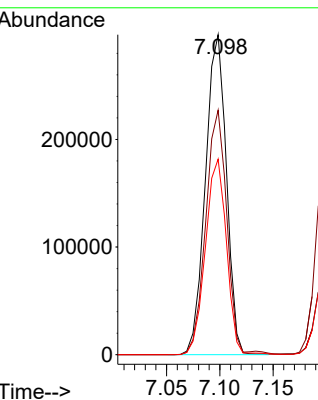
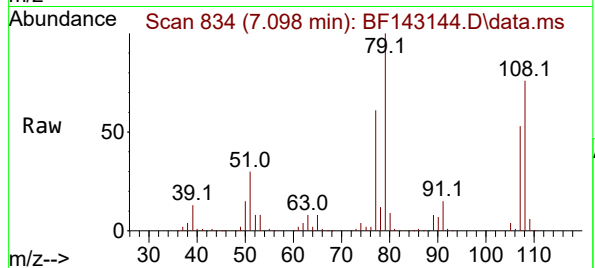
77 61.1 48.9 73.3

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Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.337 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

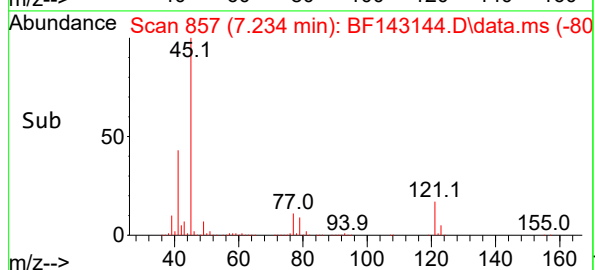
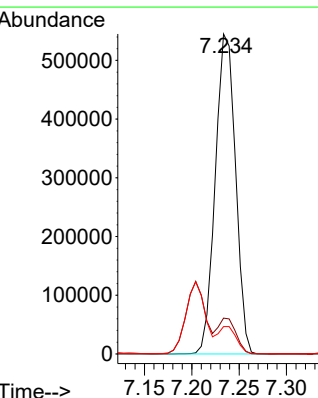
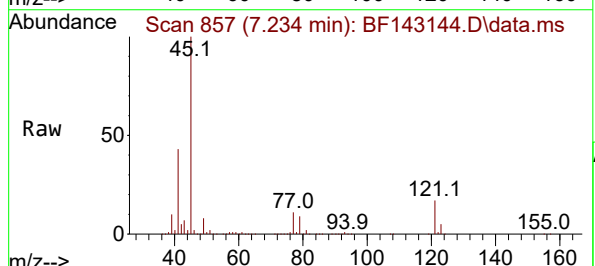
Tgt Ion: 45 Resp: 808980

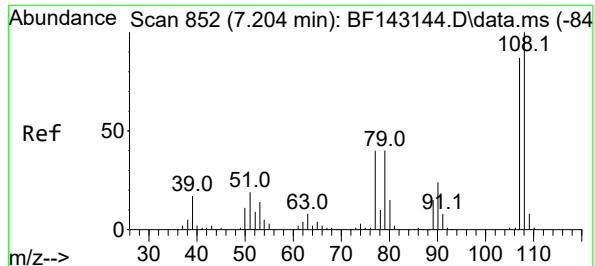
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.2

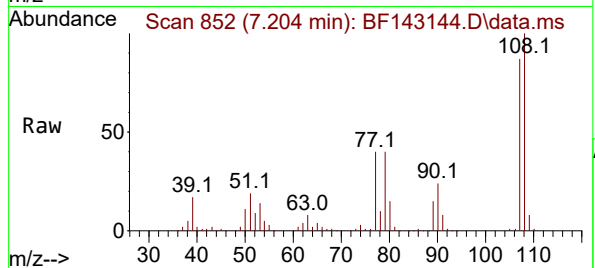
79 8.5 0.0 28.5





#17
2-Methylphenol
Concen: 39.381 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

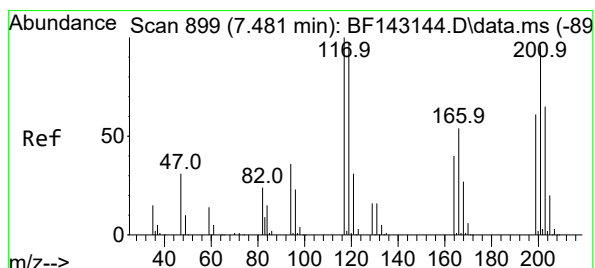
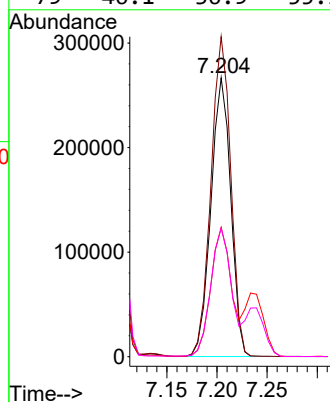
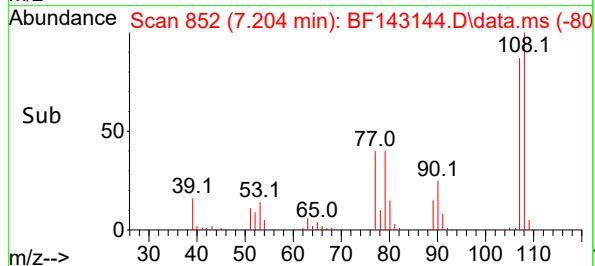
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:107 Resp: 366495
Ion Ratio Lower Upper
107 100
108 114.7 91.8 137.6
77 46.3 37.0 55.6
79 46.1 36.9 55.3

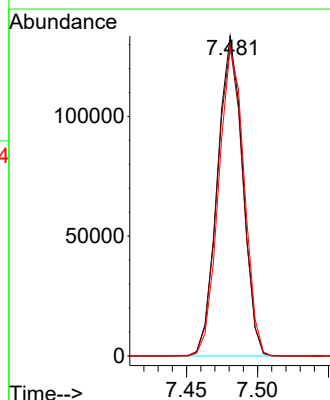
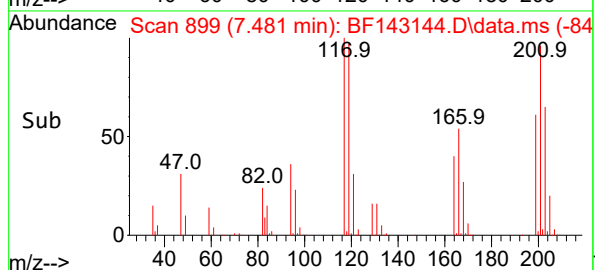
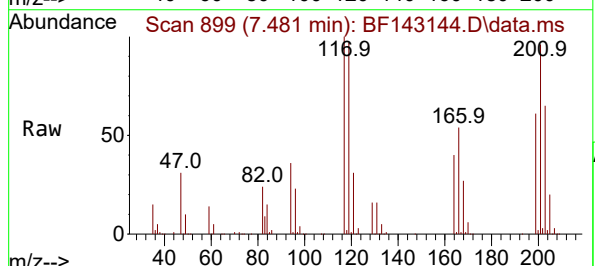
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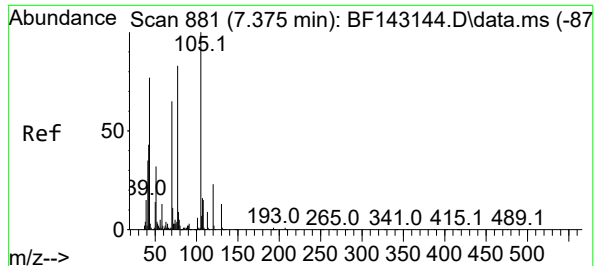
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 39.425 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:117 Resp: 165263
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8
201 96.2 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 38.656 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 329619

Ion Ratio Lower Upper

70 100

42 65.6 52.5 78.7

101 9.5 7.6 11.4

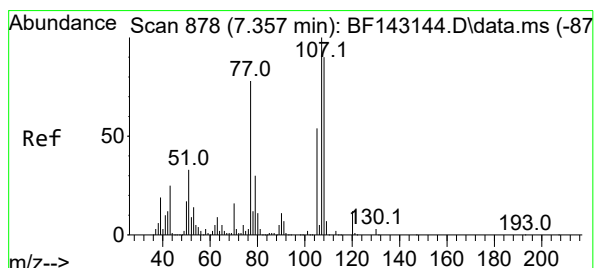
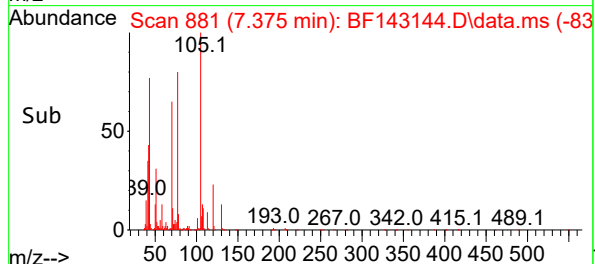
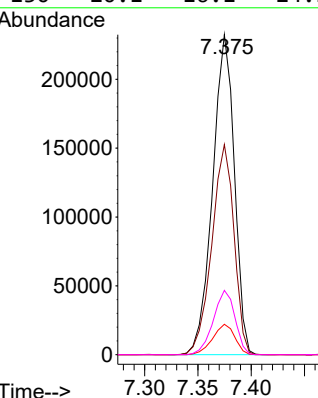
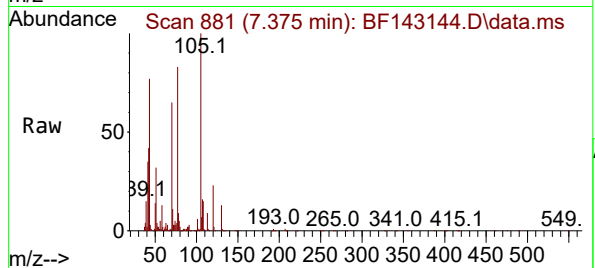
130 20.1 16.1 24.1

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#20

3+4-Methylphenols

Concen: 39.685 ng

RT: 7.357 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Tgt Ion:107 Resp: 448100

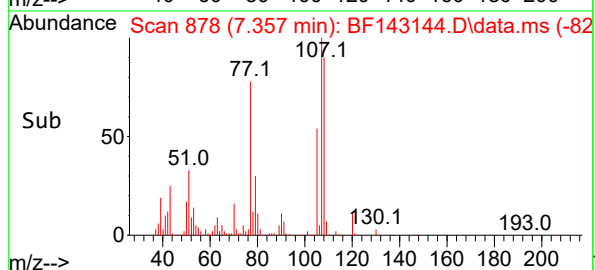
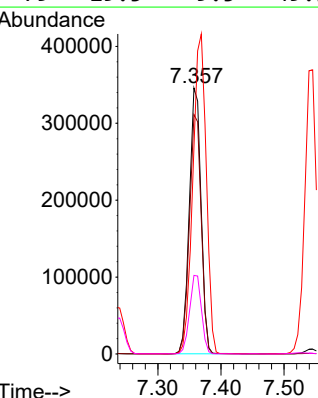
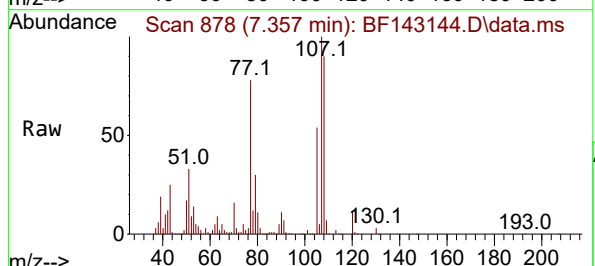
Ion Ratio Lower Upper

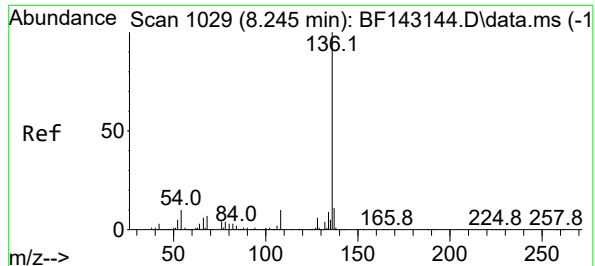
107 100

108 90.0 70.0 110.0

77 77.8 57.8 97.8

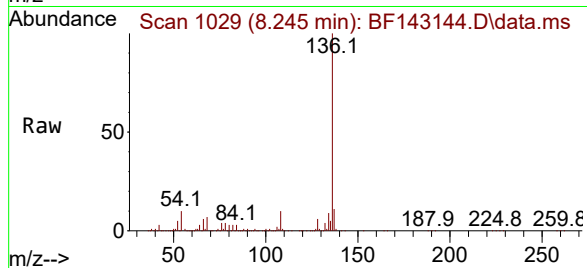
79 29.5 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

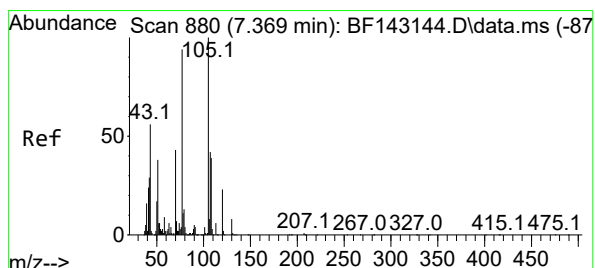
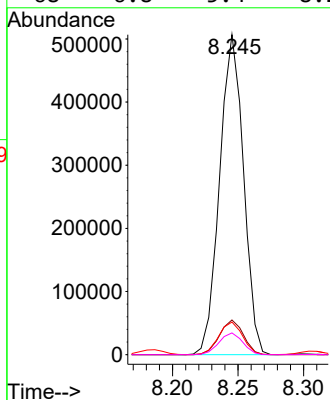
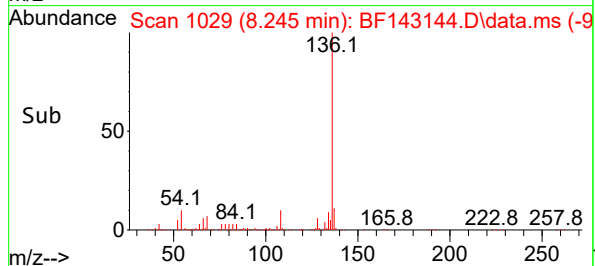
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:136 Resp: 641411
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.2 8.2 12.2
68 6.8 5.4 8.2

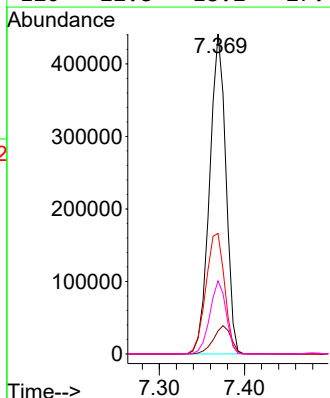
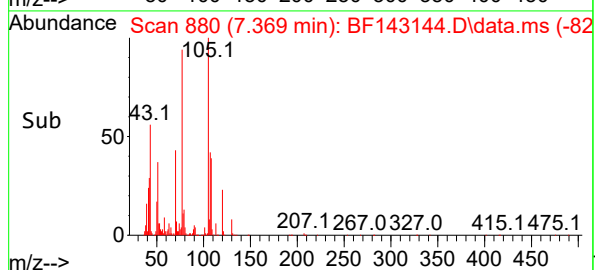
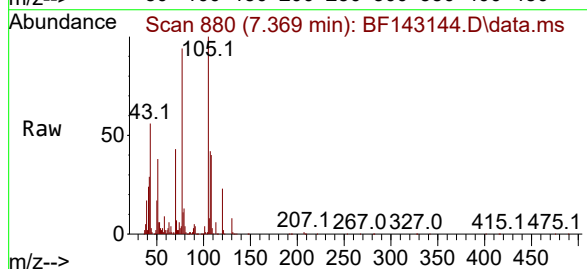
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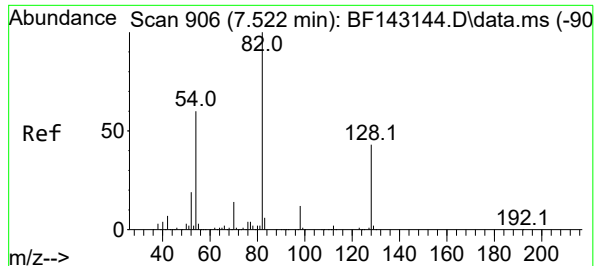
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 38.444 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:105 Resp: 583796
Ion Ratio Lower Upper
105 100
71 7.2 5.8 8.6
51 37.7 30.2 45.2
120 22.8 18.2 27.4





#23

Nitrobenzene-d5

Concen: 79.512 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 1023138

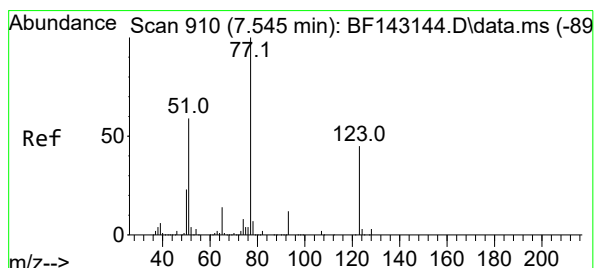
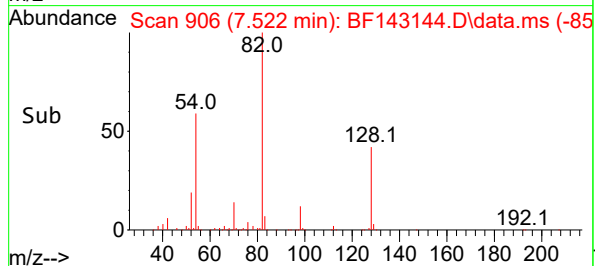
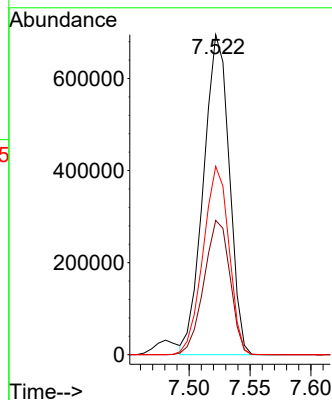
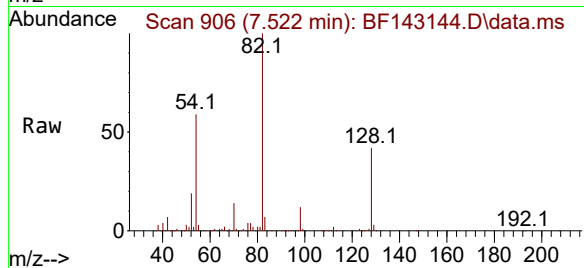
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.6	50.4
54	58.9	47.1	70.7

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 40.136 ng

RT: 7.545 min Scan# 910

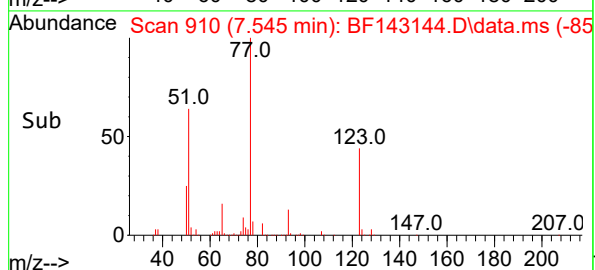
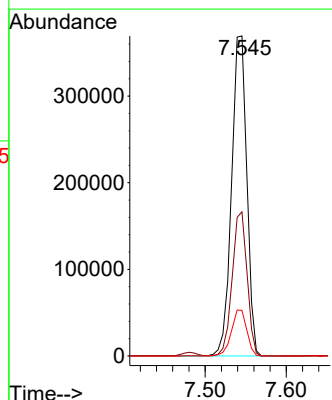
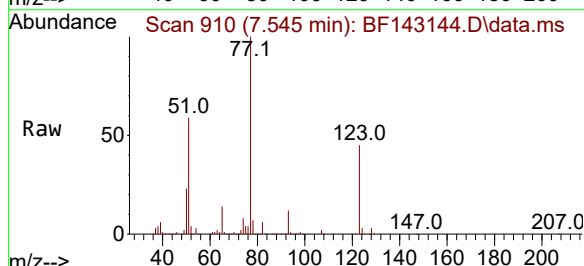
Delta R.T. 0.000 min

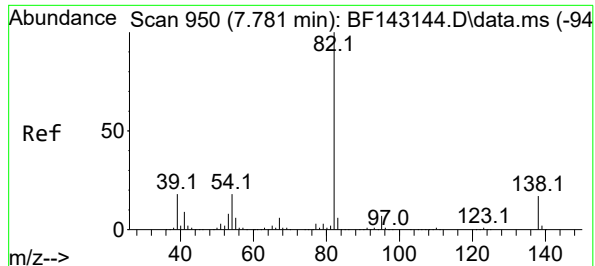
Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Tgt Ion: 77 Resp: 481500

Ion	Ratio	Lower	Upper
77	100		
123	45.1	36.1	54.1
65	14.3	11.4	17.2





#25

Isophorone

Concen: 39.093 ng

RT: 7.781 min Scan# 950

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 88801

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

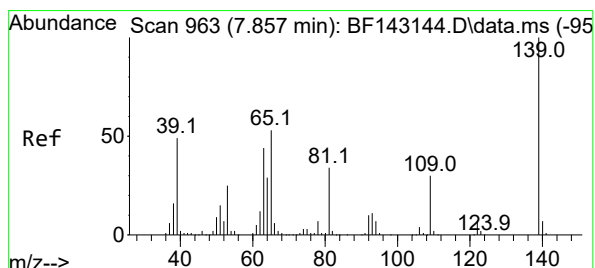
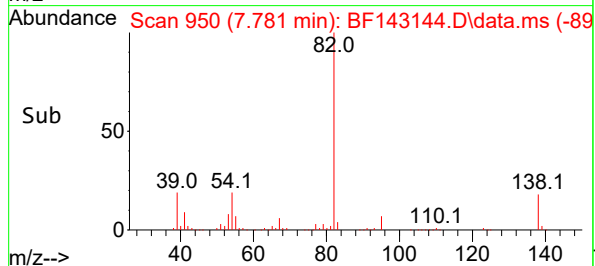
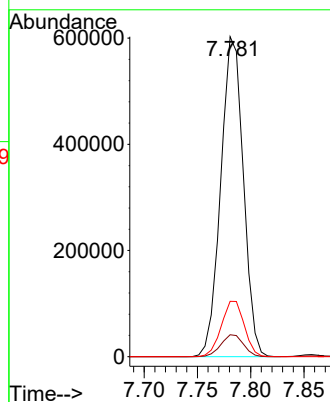
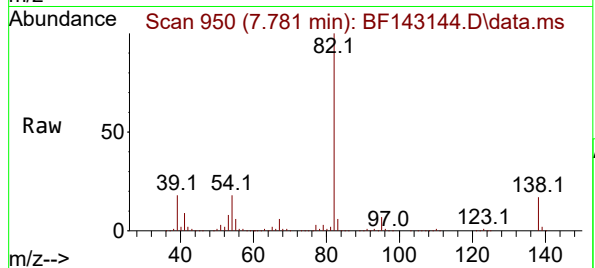
138 17.3 13.8 20.8

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#26

2-Nitrophenol

Concen: 42.323 ng

RT: 7.857 min Scan# 963

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

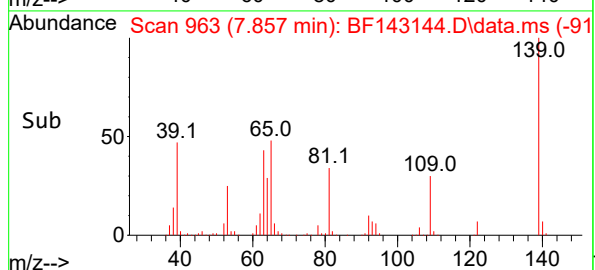
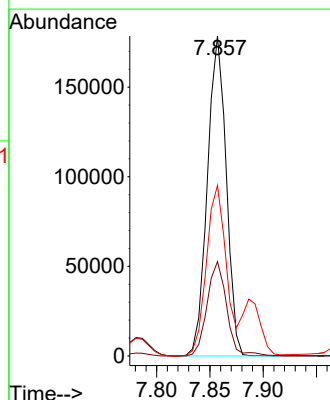
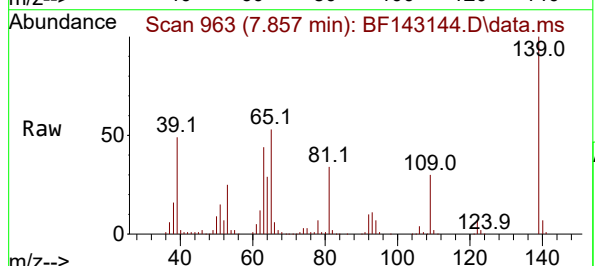
Tgt Ion:139 Resp: 220354

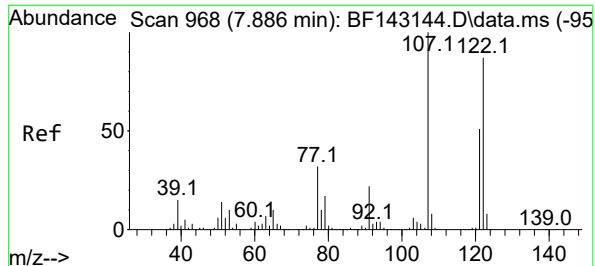
Ion Ratio Lower Upper

139 100

109 29.5 23.6 35.4

65 53.3 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 39.210 ng

RT: 7.886 min Scan# 968

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 416128

Ion Ratio Lower Upper

122 100

107 114.7 91.8 137.6

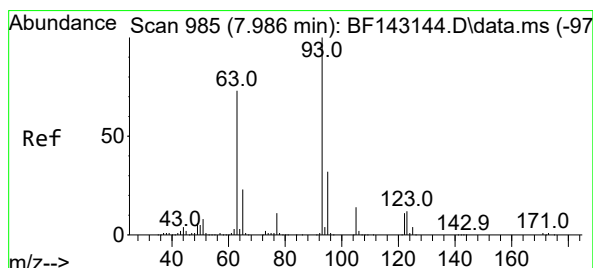
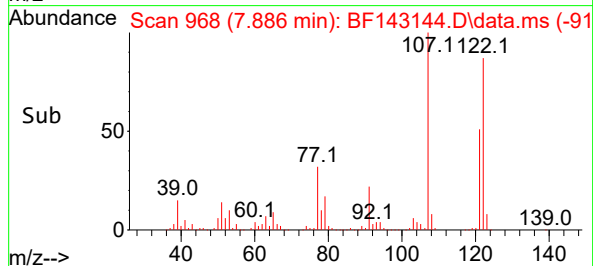
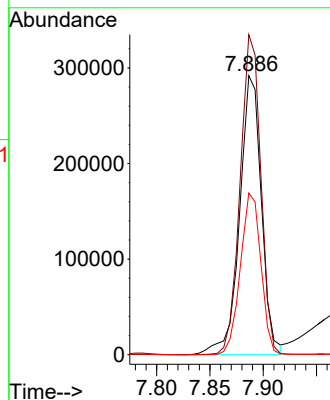
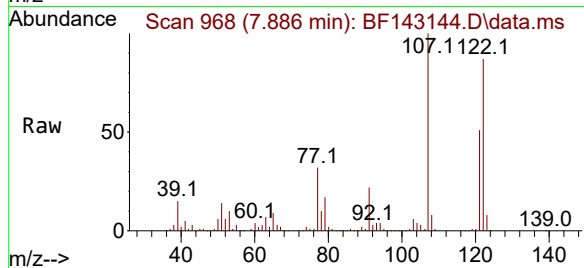
121 57.9 46.3 69.5

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 38.860 ng

RT: 7.986 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

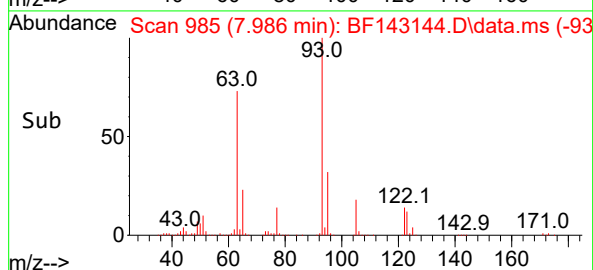
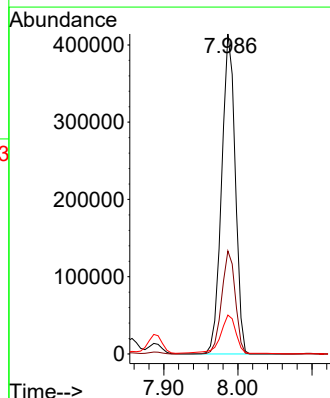
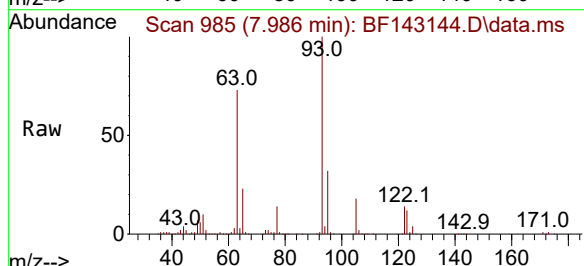
Tgt Ion: 93 Resp: 529258

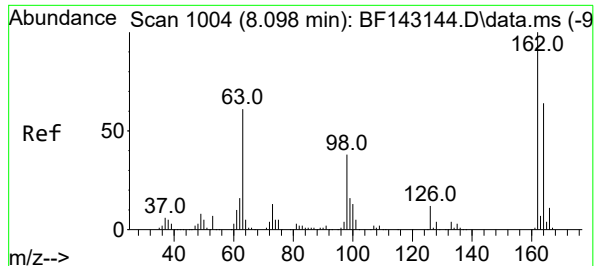
Ion Ratio Lower Upper

93 100

95 32.2 25.8 38.6

123 12.1 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 39.537 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 35386

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

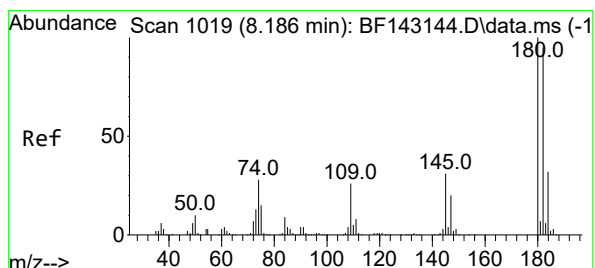
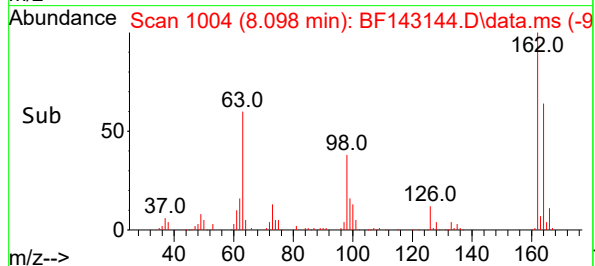
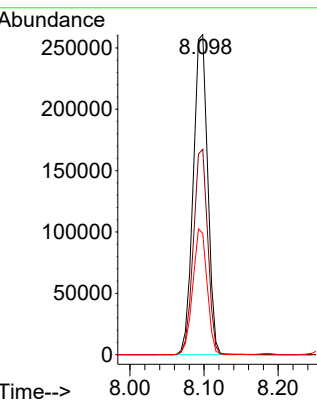
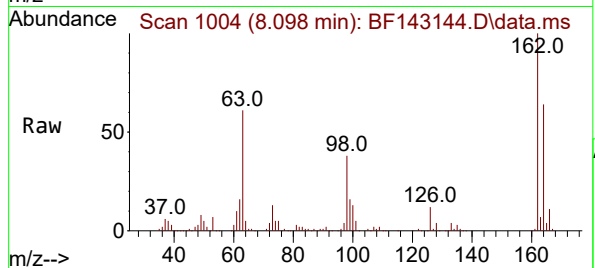
98 37.9 17.9 57.9

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 38.947 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

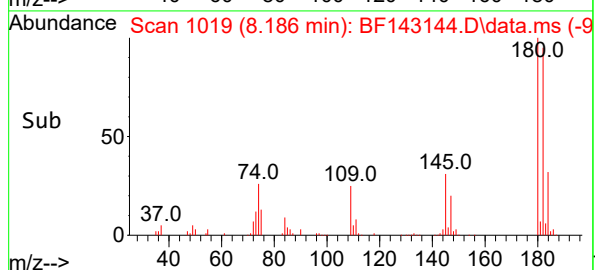
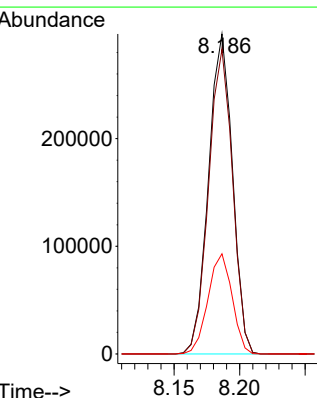
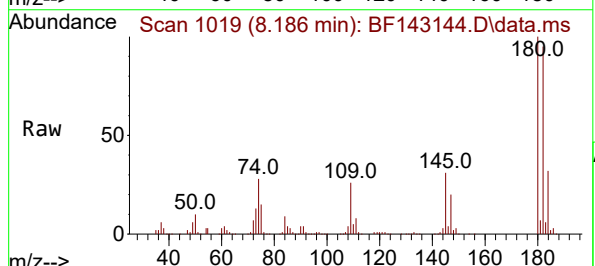
Tgt Ion:180 Resp: 376590

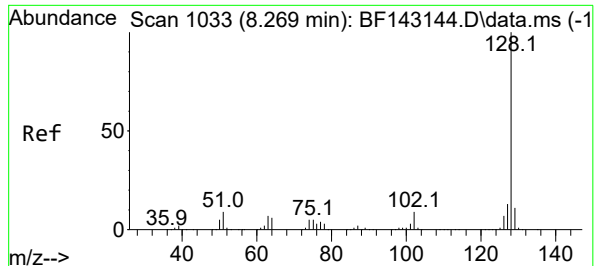
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

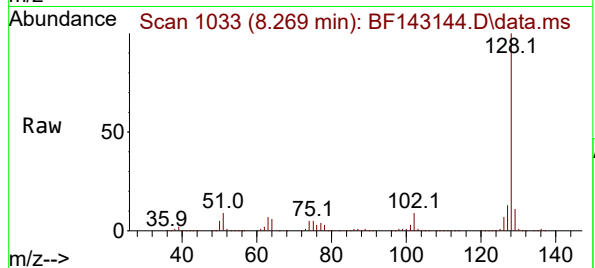
145 31.3 25.0 37.6





#31
Naphthalene
Concen: 38.749 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

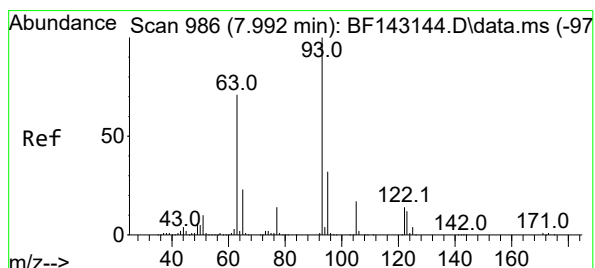
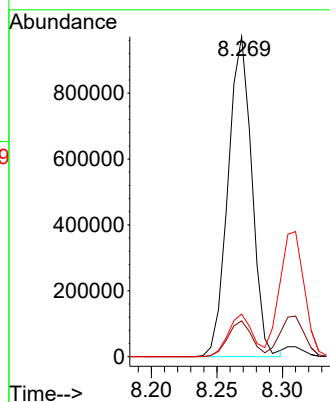
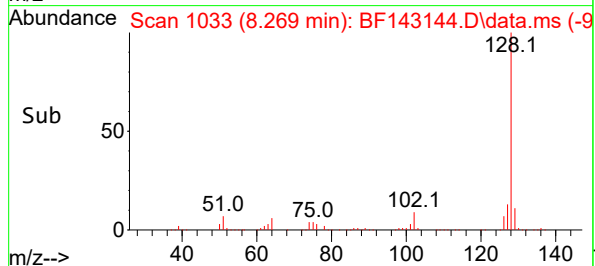
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:128 Resp: 1224033
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.3 10.6 16.0

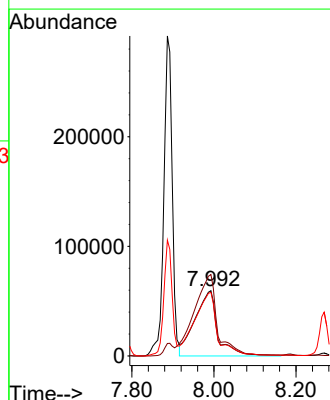
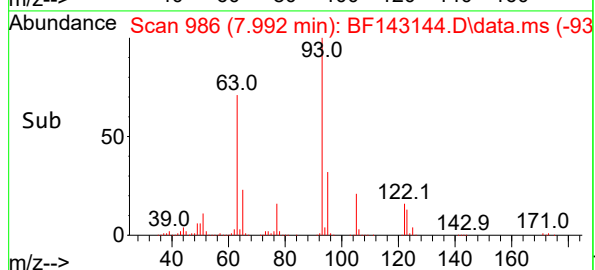
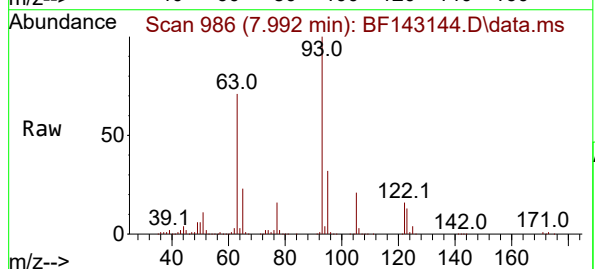
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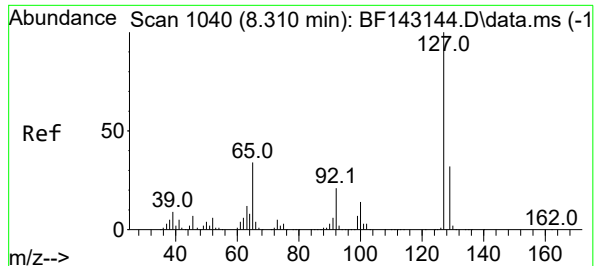
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 39.680 ng m
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:122 Resp: 230958
Ion Ratio Lower Upper
122 100
105 124.8 104.8 144.8
77 97.6 77.6 117.6





#33

4-Chloroaniline

Concen: 38.796 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 50040

Ion Ratio Lower Upper

127 100

129 32.5 26.0 39.0

65 34.3 27.4 41.2

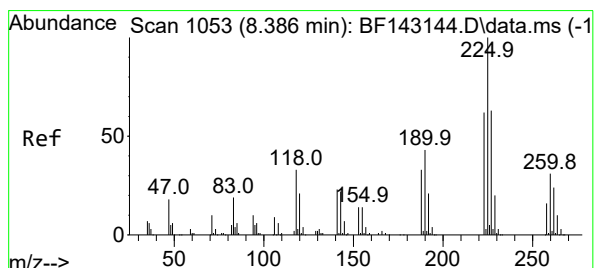
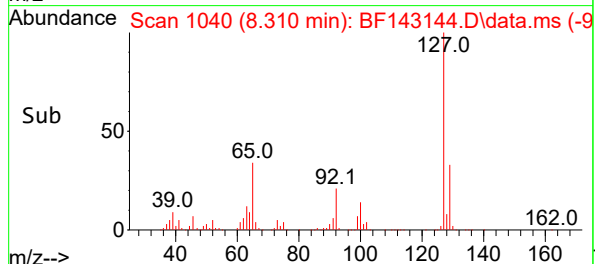
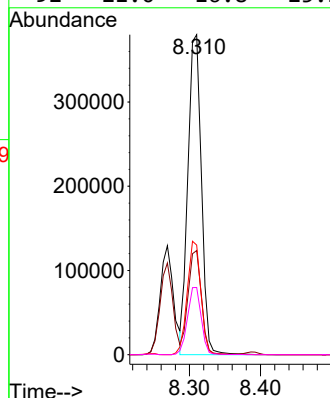
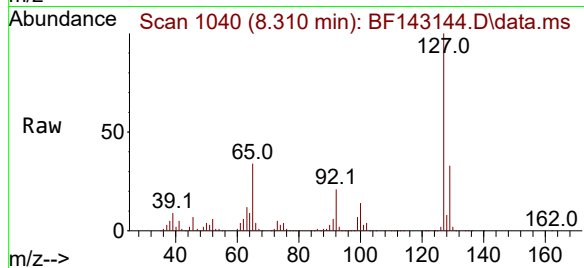
92 21.0 16.8 25.2

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#34

Hexachlorobutadiene

Concen: 39.211 ng

RT: 8.386 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

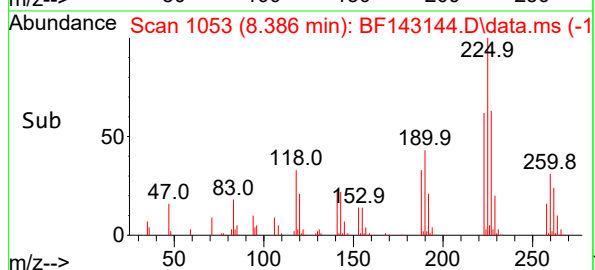
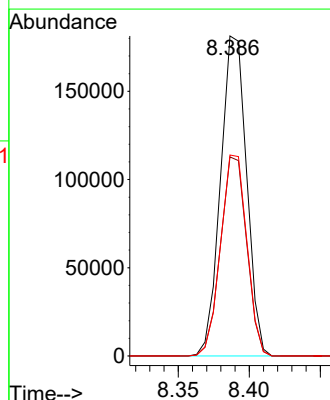
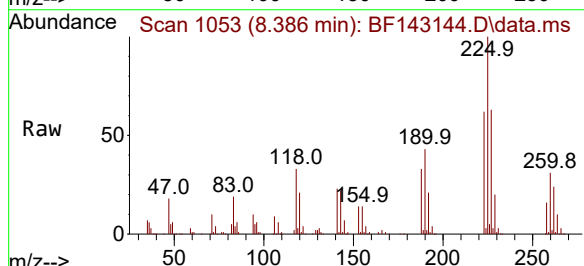
Tgt Ion:225 Resp: 231609

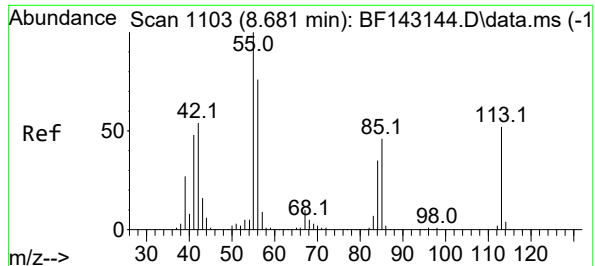
Ion Ratio Lower Upper

225 100

223 62.2 49.8 74.6

227 62.8 50.2 75.4





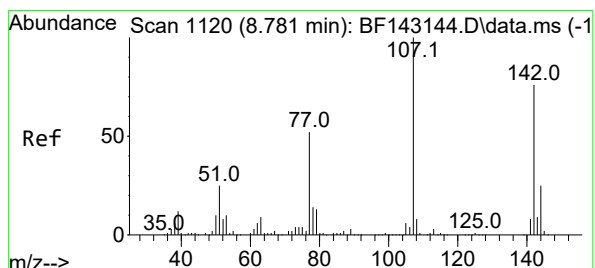
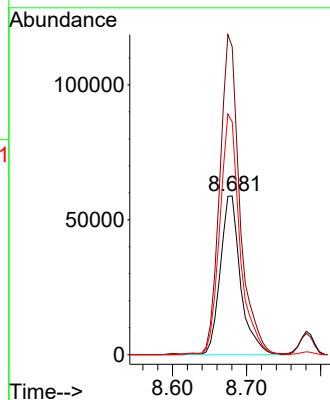
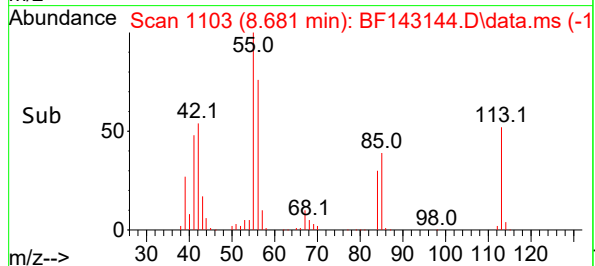
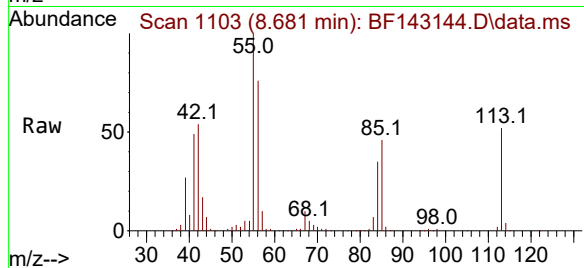
#35
Caprolactam
Concen: 41.312 ng
RT: 8.681 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 11173
Ion Ratio Lower Upper
113 100
55 194.0 174.0 214.0
56 146.6 126.6 166.6

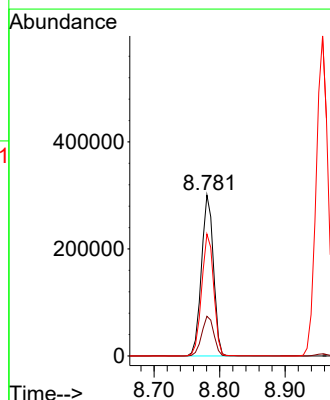
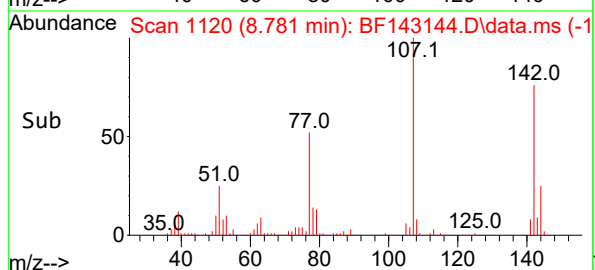
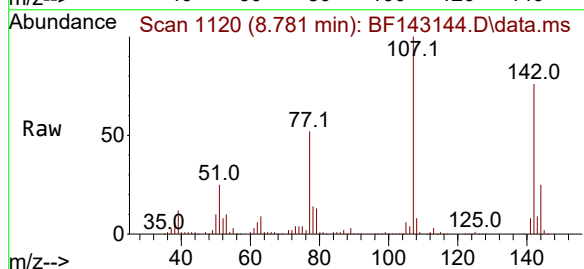
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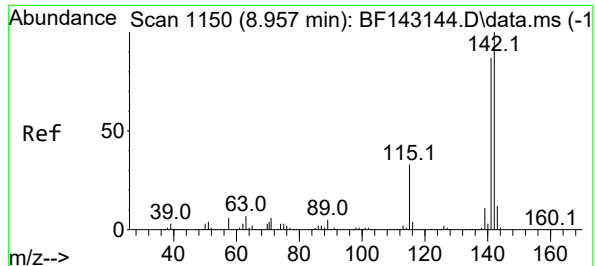
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 39.628 ng
RT: 8.781 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

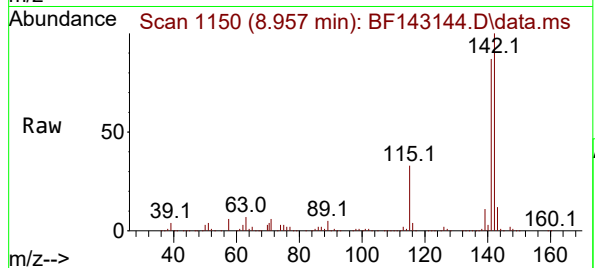
Tgt Ion:107 Resp: 385507
Ion Ratio Lower Upper
107 100
144 24.7 19.8 29.6
142 75.7 60.6 90.8





#37
2-Methylnaphthalene
Concen: 38.720 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

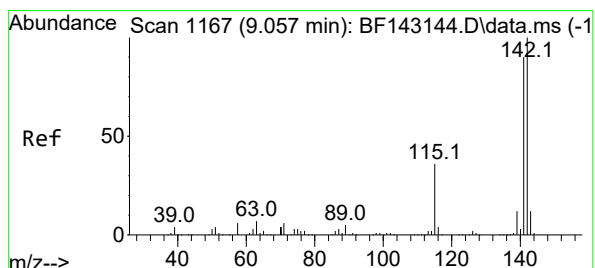
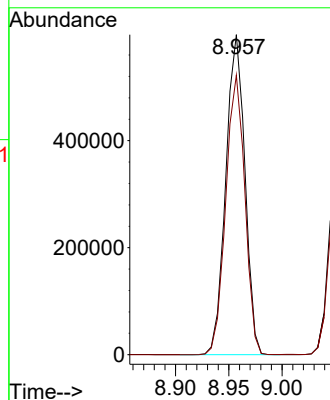
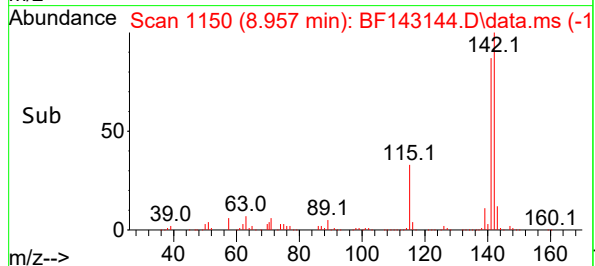
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:142 Resp: 744295
Ion Ratio Lower Upper
142 100
141 87.4 69.9 104.9

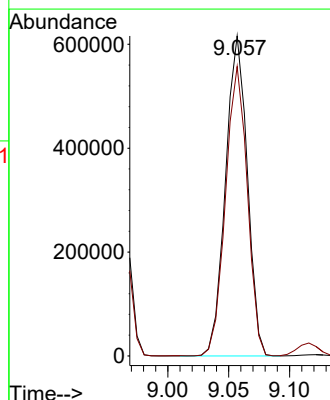
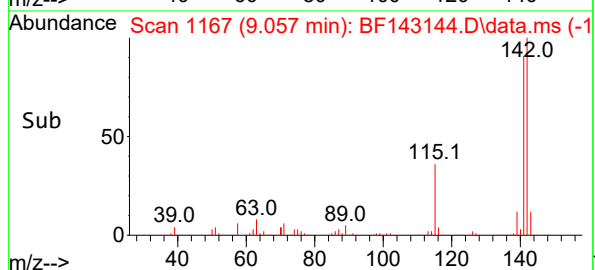
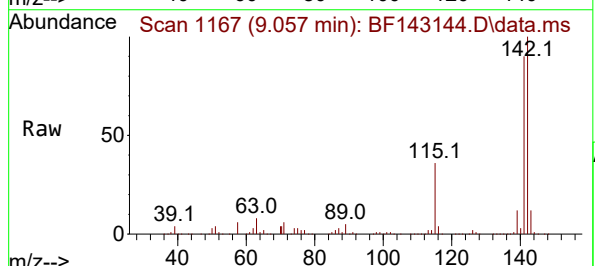
Manual Integrations
APPROVED

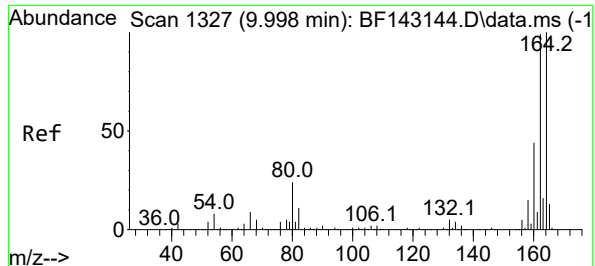
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 38.825 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

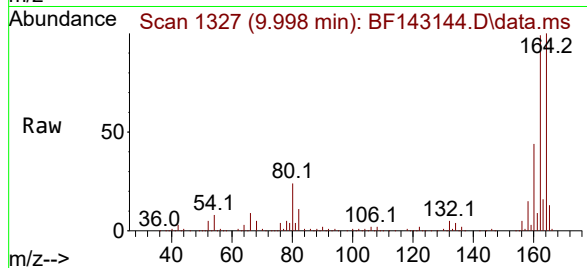
Tgt Ion:142 Resp: 768508
Ion Ratio Lower Upper
142 100
141 90.4 72.3 108.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

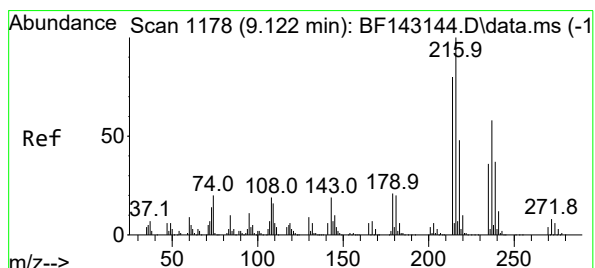
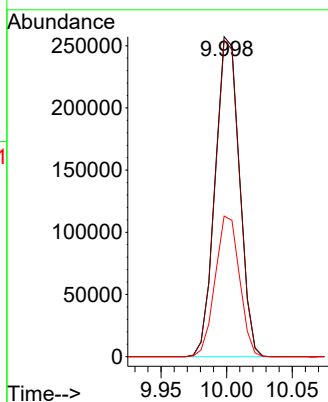
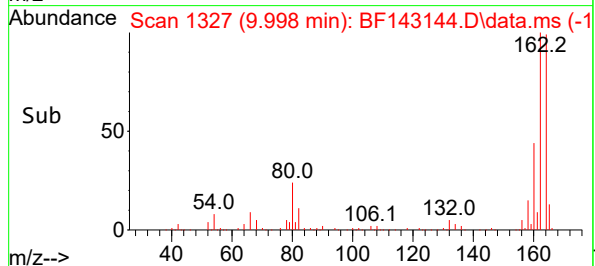
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:164 Resp: 33188
Ion Ratio Lower Upper
164 100
162 98.8 79.0 118.6
160 43.9 35.1 52.7

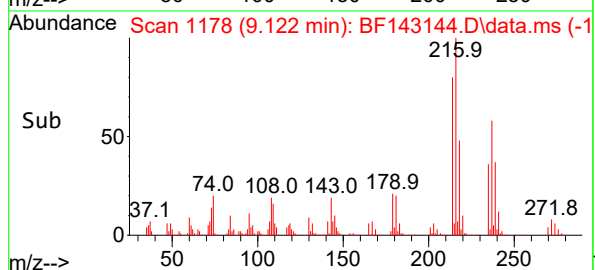
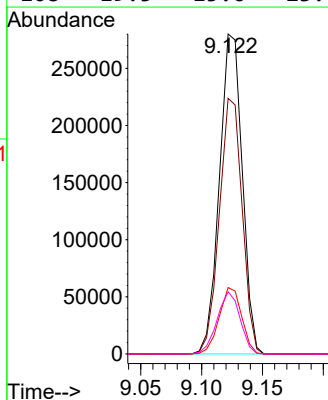
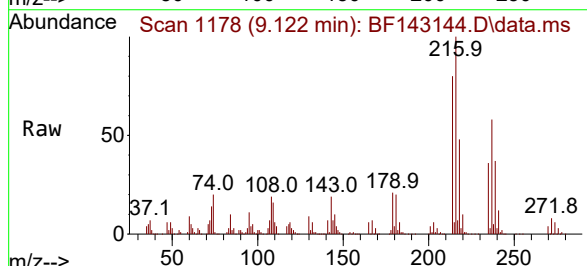
Manual Integrations
APPROVED

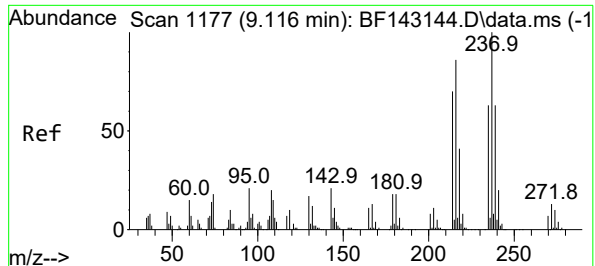
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.118 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:216 Resp: 365234
Ion Ratio Lower Upper
216 100
214 79.8 63.8 95.8
179 20.5 16.4 24.6
108 19.5 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 39.695 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:237 Resp: 247480

Ion Ratio Lower Upper

237 100

235 63.0 43.0 83.0

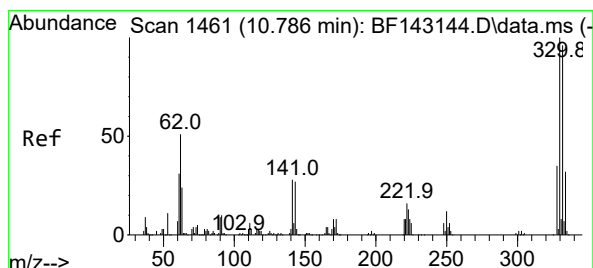
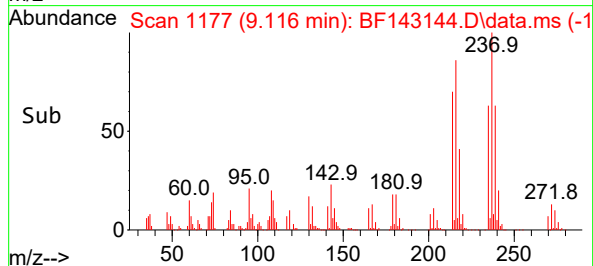
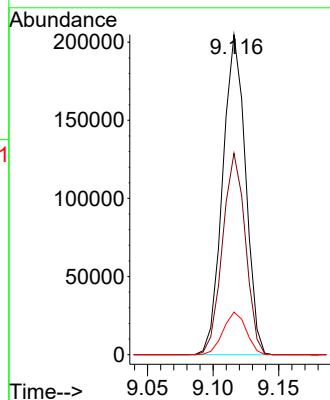
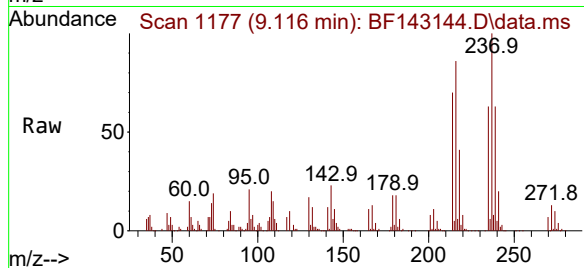
272 13.3 0.0 33.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 81.485 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

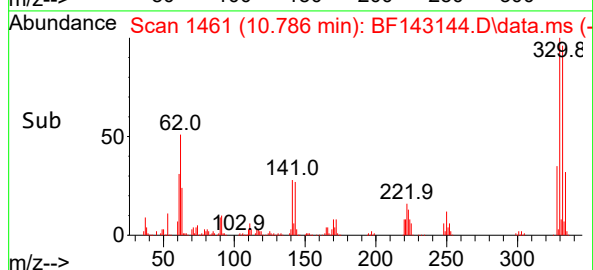
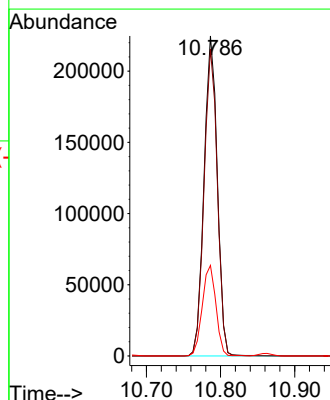
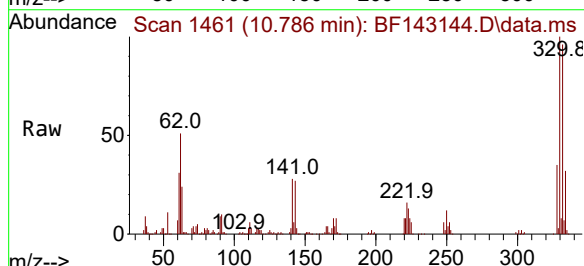
Tgt Ion:330 Resp: 279373

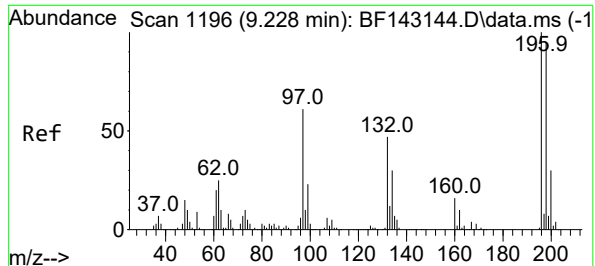
Ion Ratio Lower Upper

330 100

332 95.9 76.7 115.1

141 29.1 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 38.471 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143144.D

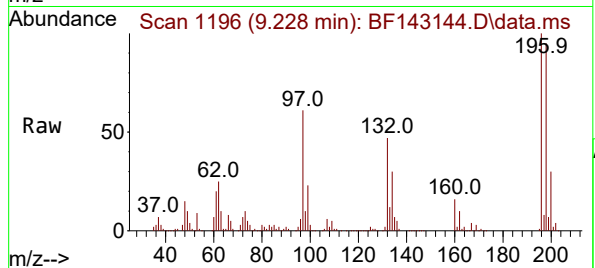
Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:196 Resp: 25511

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

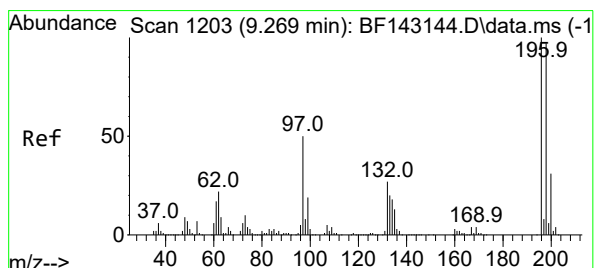
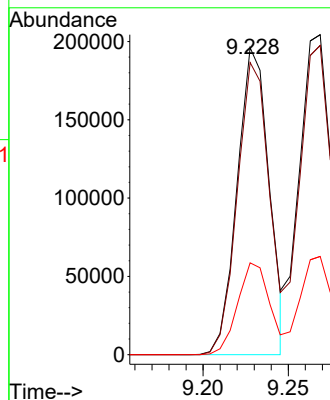
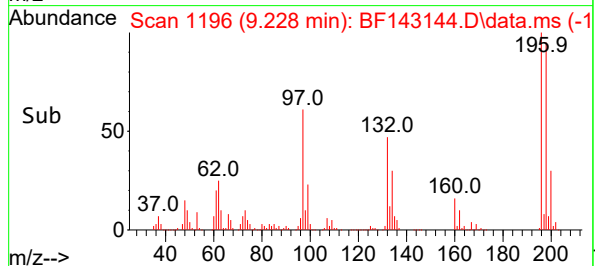
200 29.9 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

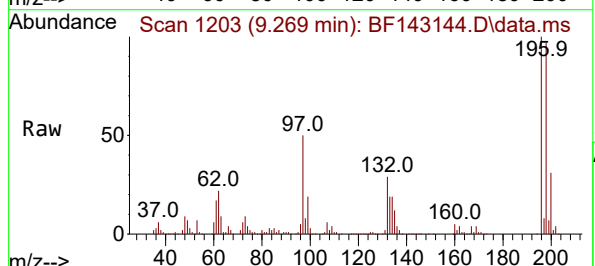
Concen: 40.494 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03



Tgt Ion:196 Resp: 268615

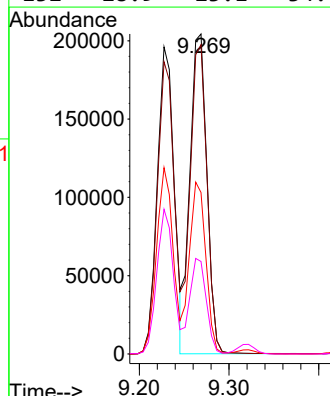
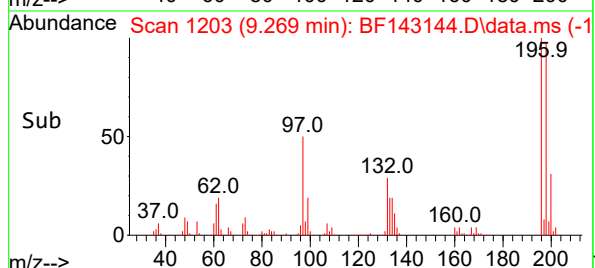
Ion Ratio Lower Upper

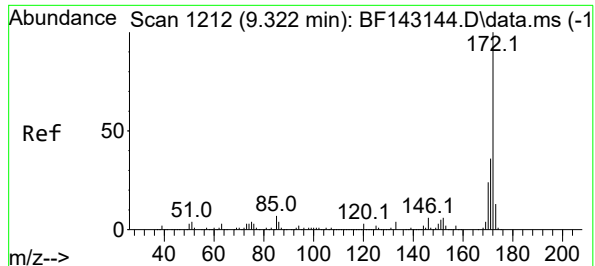
196 100

198 96.6 77.3 115.9

97 50.4 40.3 60.5

132 28.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.274 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:172 Resp: 1802398

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

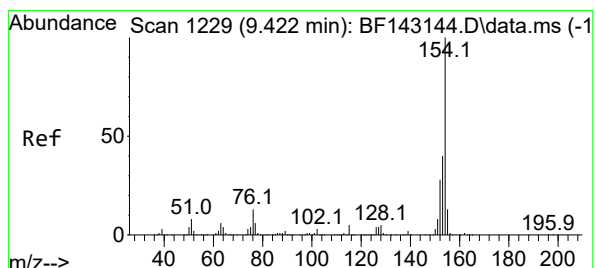
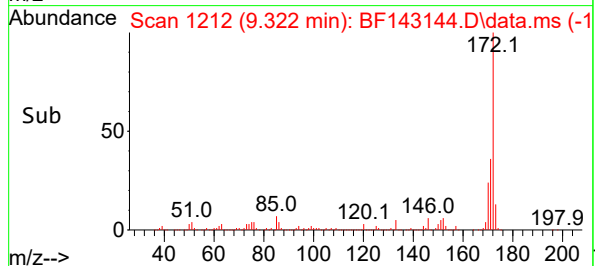
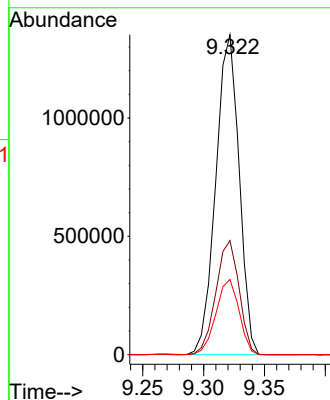
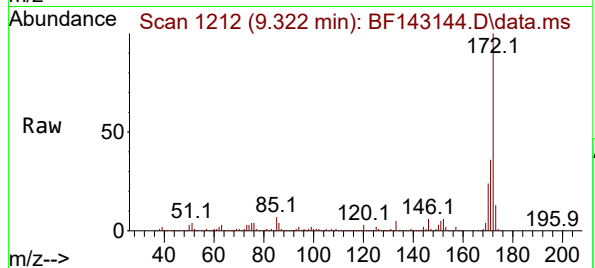
170 23.5 18.8 28.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 38.177 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

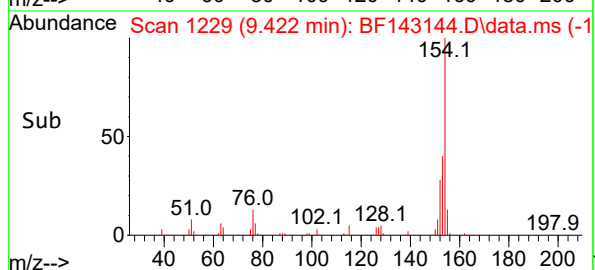
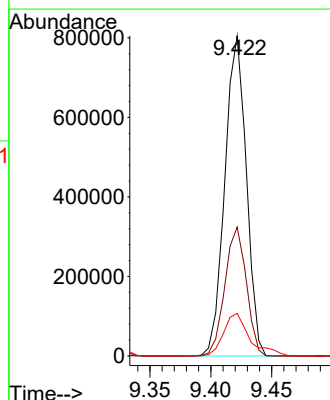
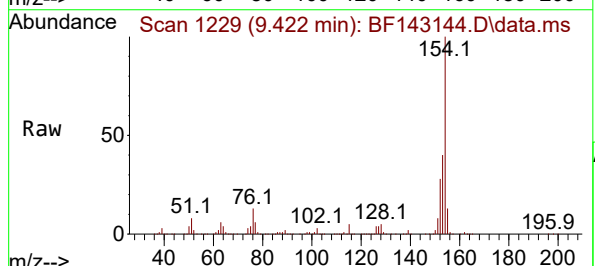
Tgt Ion:154 Resp: 988537

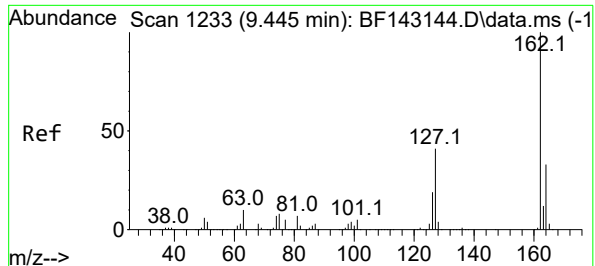
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 13.3 0.0 33.3





#47

2-Chloronaphthalene

Concen: 38.200 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143144.D

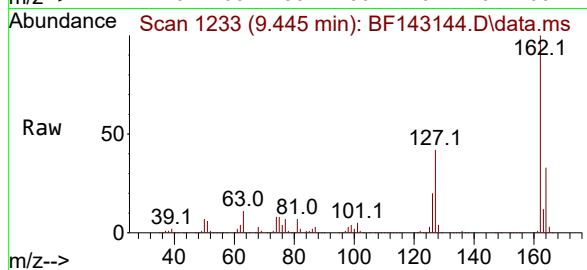
Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:162 Resp: 731879

Ion Ratio Lower Upper

162 100

127 41.8 33.4 50.2

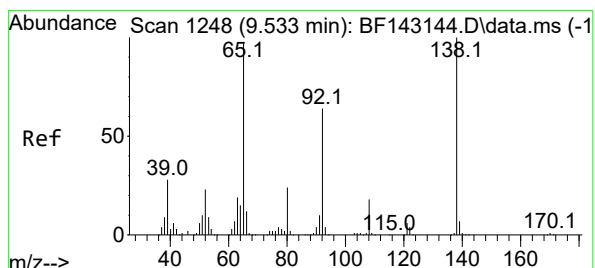
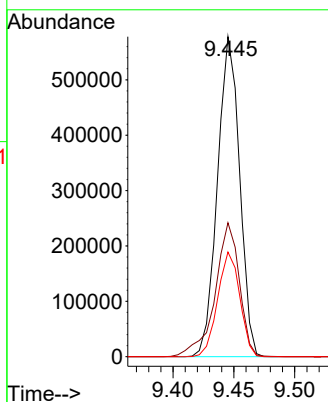
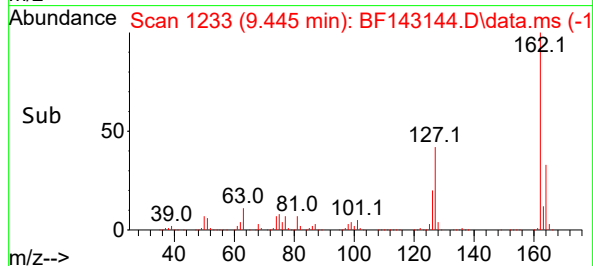
164 32.7 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

Concen: 41.594 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

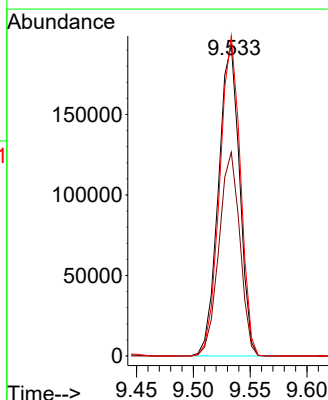
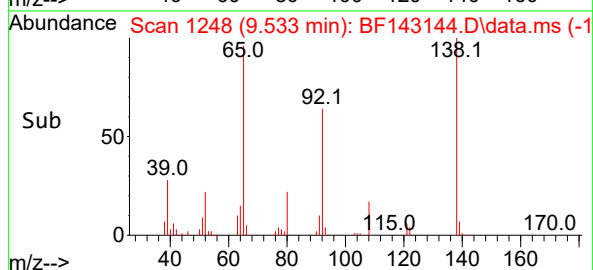
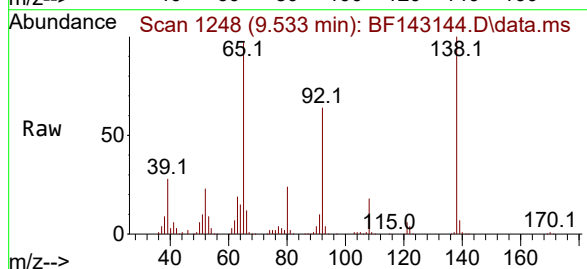
Tgt Ion: 65 Resp: 249908

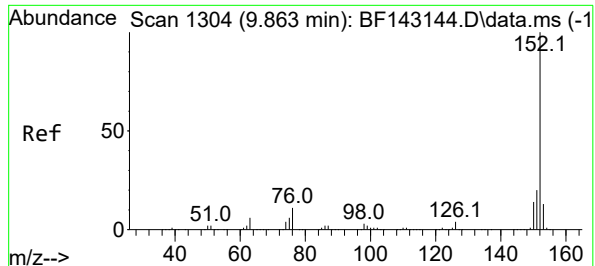
Ion Ratio Lower Upper

65 100

92 65.5 52.4 78.6

138 102.9 82.3 123.5





#49

Acenaphthylene

Concen: 38.458 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143144.D

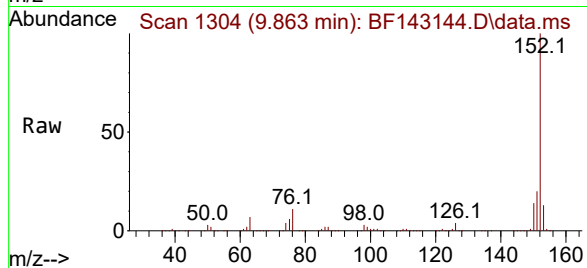
Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:152 Resp: 1234789

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

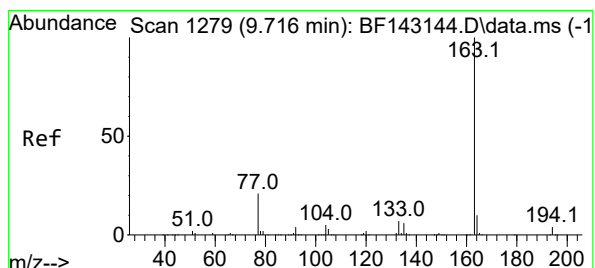
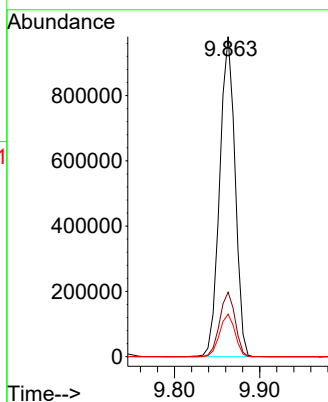
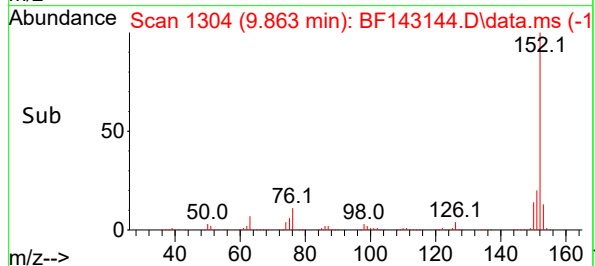
153 13.3 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

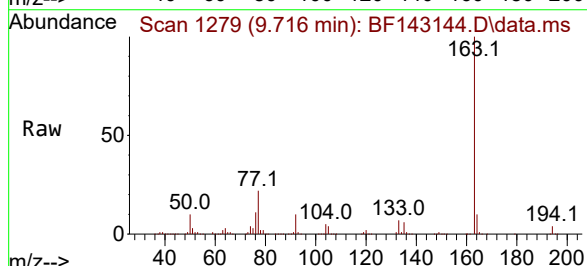
Concen: 39.238 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03



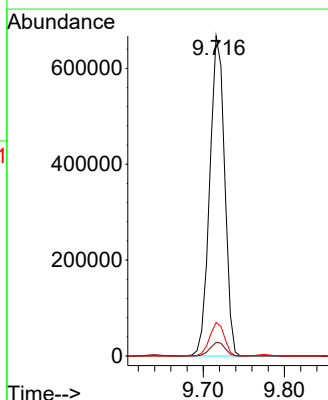
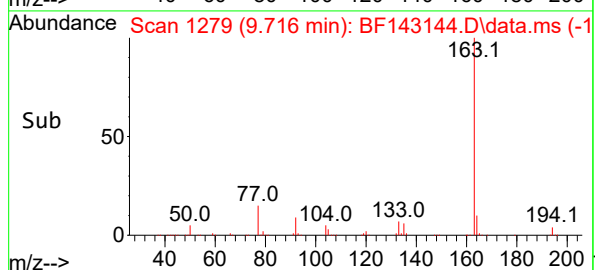
Tgt Ion:163 Resp: 848828

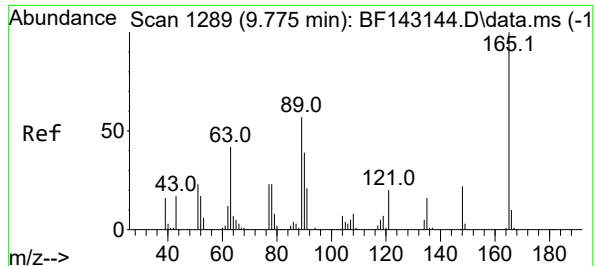
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

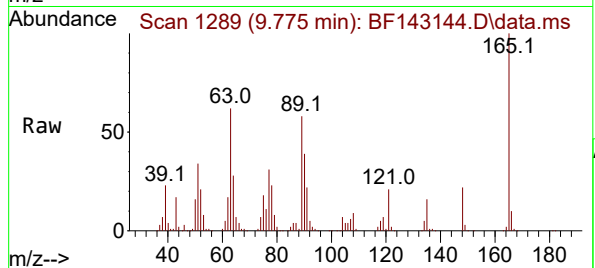
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 41.866 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

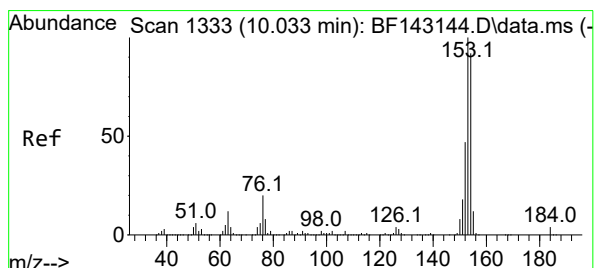
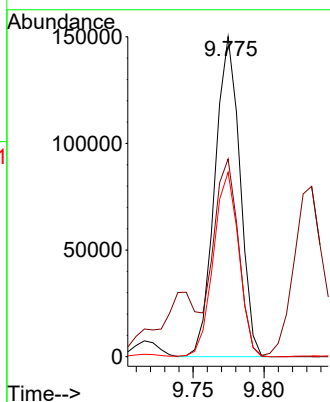
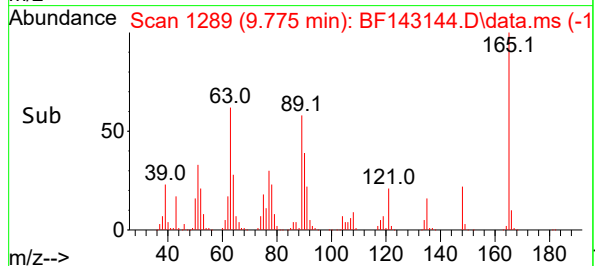
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 18424
Ion Ratio Lower Upper
165 100
63 61.8 49.4 74.2
89 57.7 46.2 69.2

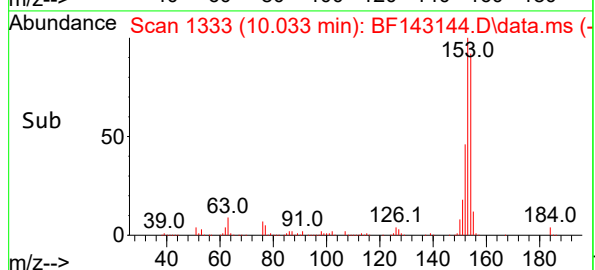
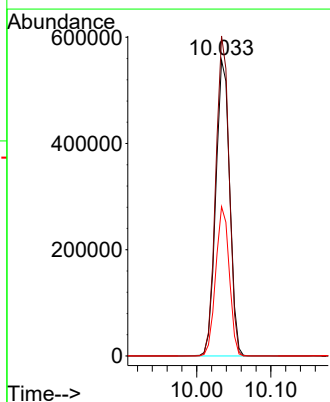
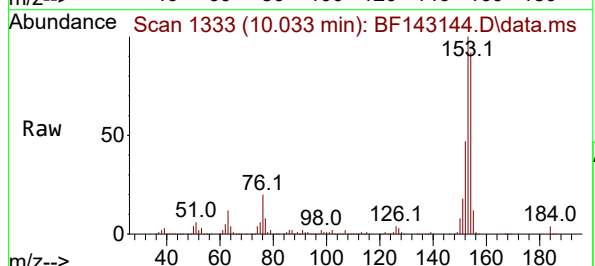
Manual Integrations
APPROVED

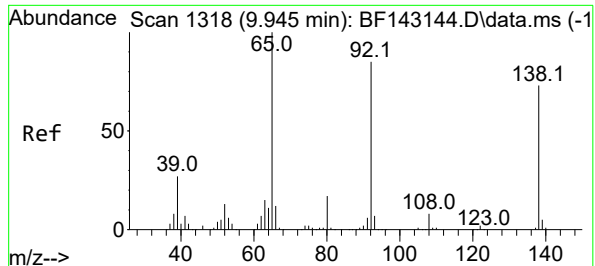
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 38.330 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

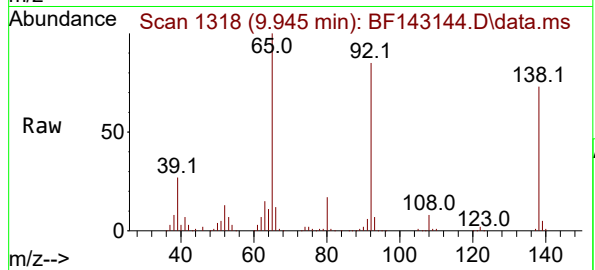
Tgt Ion:154 Resp: 727386
Ion Ratio Lower Upper
154 100
153 108.2 86.6 129.8
152 50.5 40.4 60.6





#53
3-Nitroaniline
Concen: 40.832 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

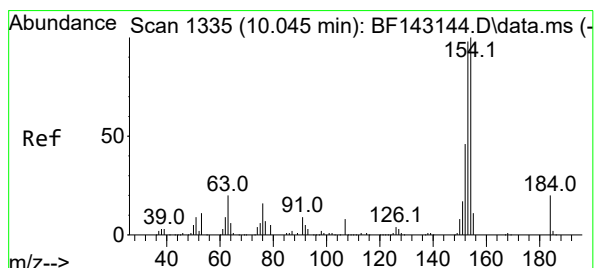
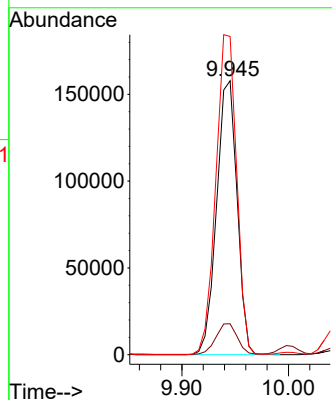
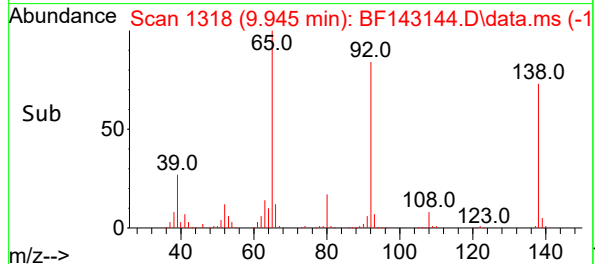
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:138 Resp: 210179
Ion Ratio Lower Upper
138 100
108 11.3 9.0 13.6
92 116.2 93.0 139.4

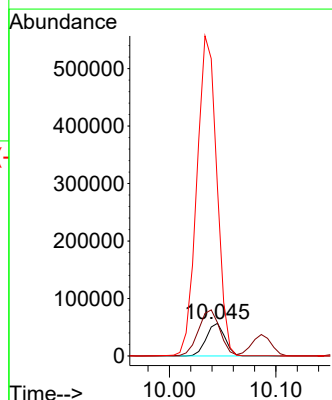
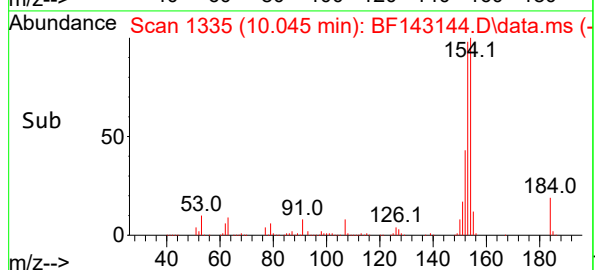
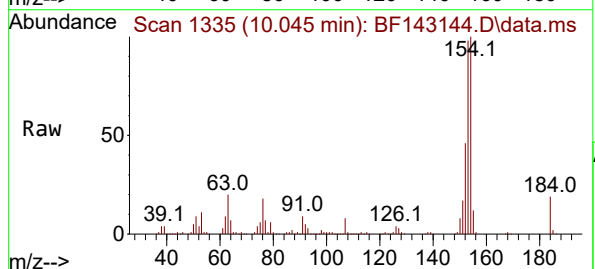
Manual Integrations
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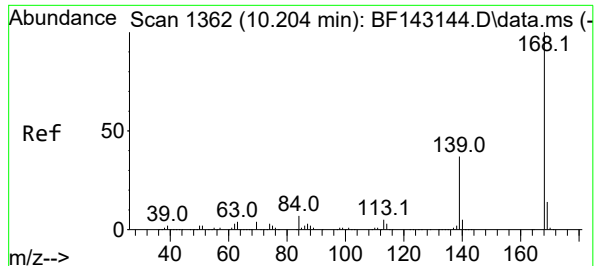
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 38.449 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

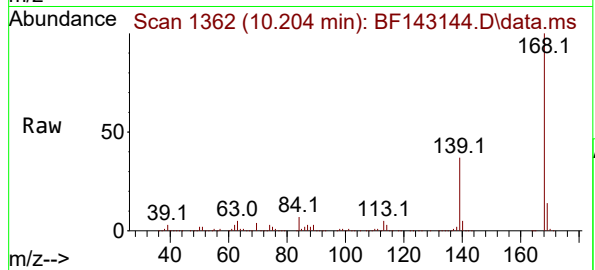
Tgt Ion:184 Resp: 69157
Ion Ratio Lower Upper
184 100
63 102.2 81.8 122.6
154 515.3 412.2 618.4





#55
Dibenzenofuran
Concen: 38.462 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

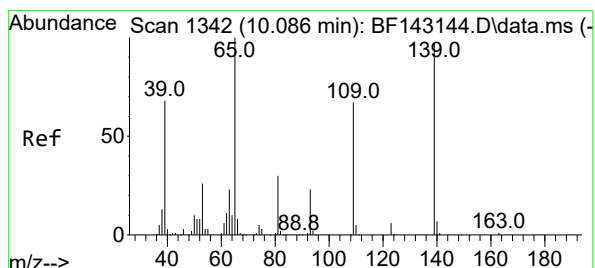
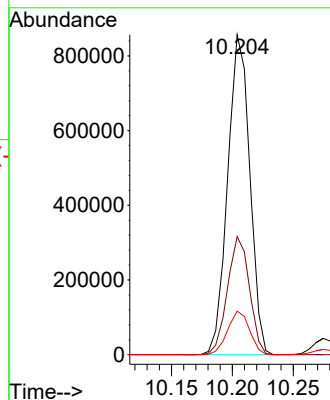
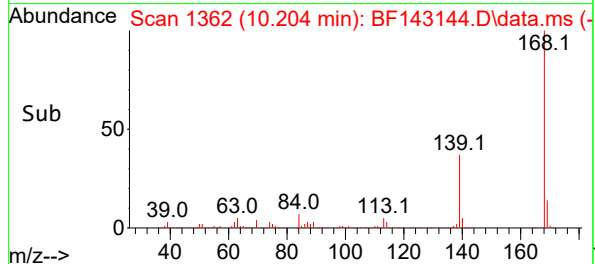
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:168 Resp: 1083678
Ion Ratio Lower Upper
168 100
139 36.9 29.5 44.3
169 13.6 10.9 16.3

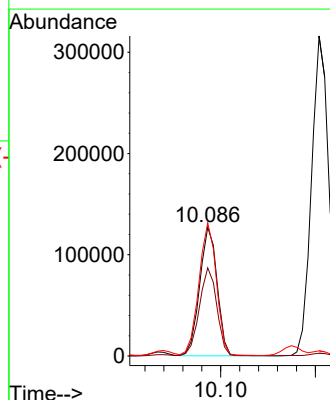
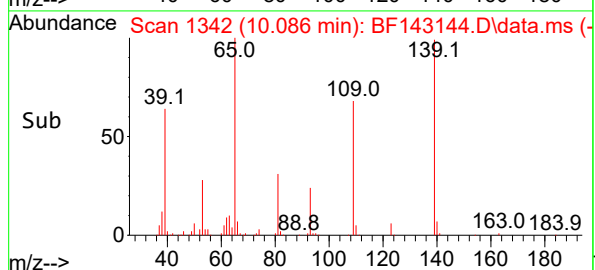
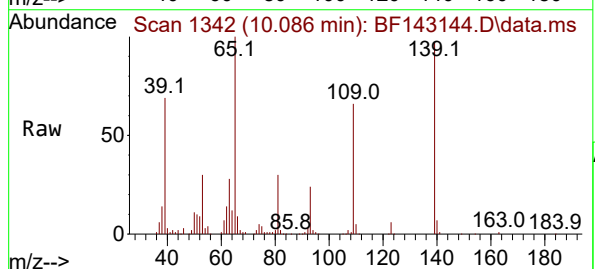
Manual Integrations
APPROVED

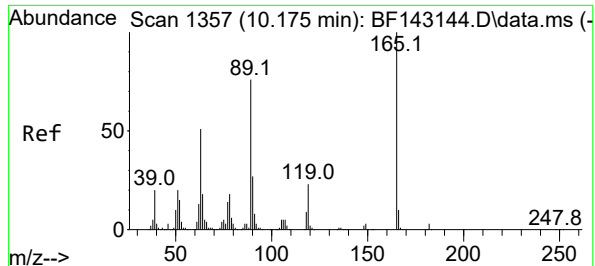
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#56
4-Nitrophenol
Concen: 42.408 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

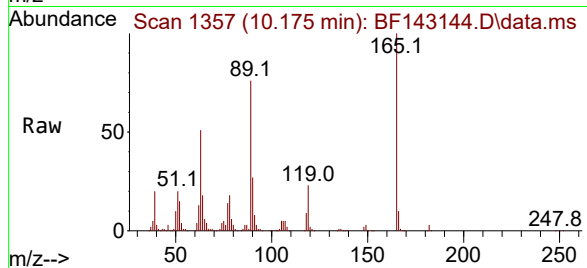
Tgt Ion:139 Resp: 163009
Ion Ratio Lower Upper
139 100
109 68.5 48.5 88.5
65 103.4 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 42.581 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

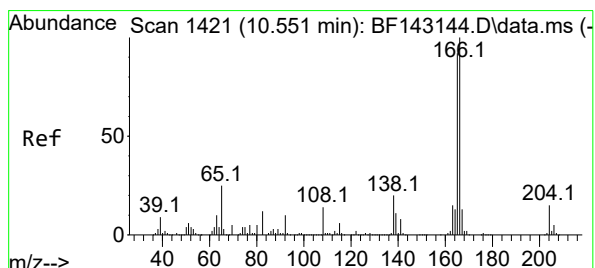
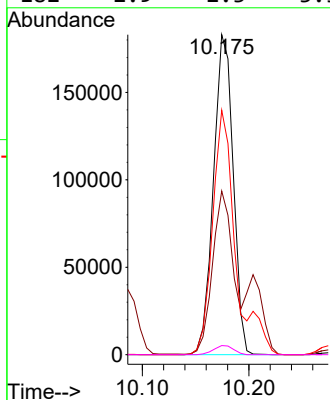
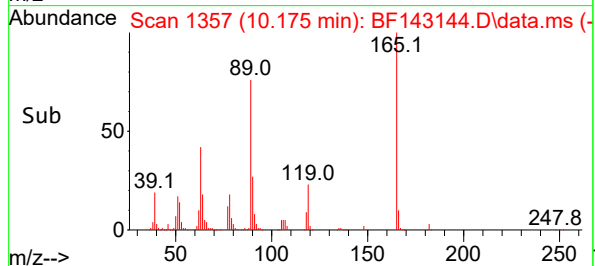
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 23510
Ion Ratio Lower Upper
165 100
63 51.2 41.0 61.4
89 76.4 61.1 91.7
182 2.9 2.3 3.5

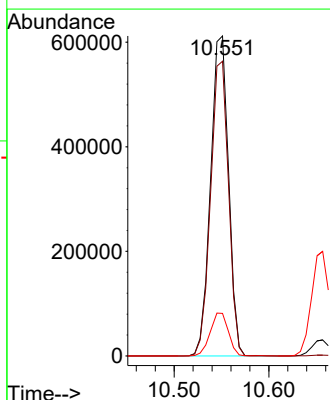
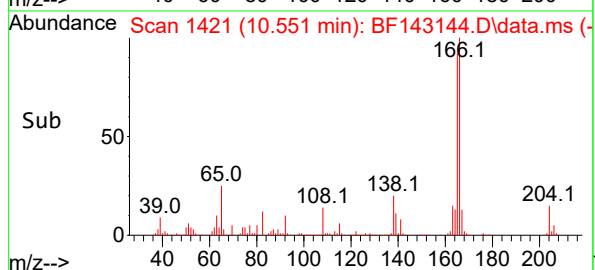
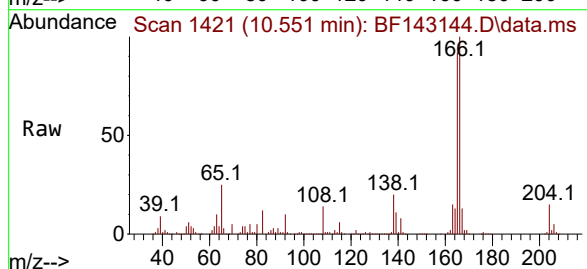
Manual Integrations
APPROVED

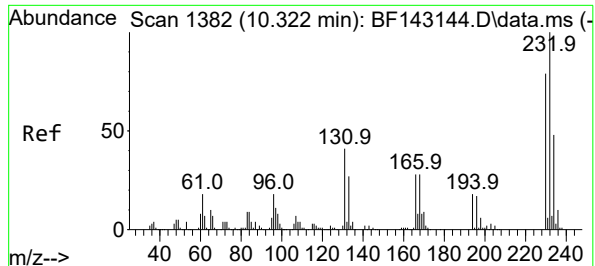
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 38.037 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

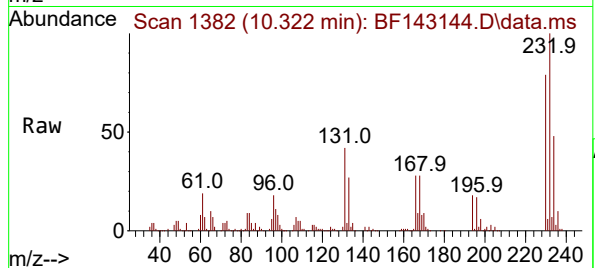
Tgt Ion:166 Resp: 804336
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.3 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.196 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

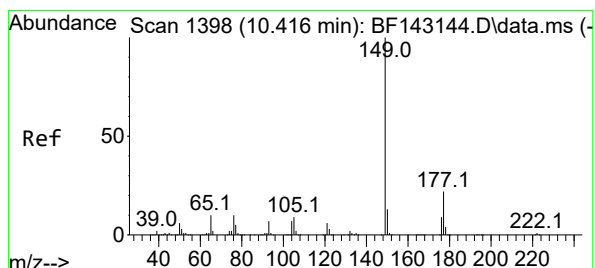
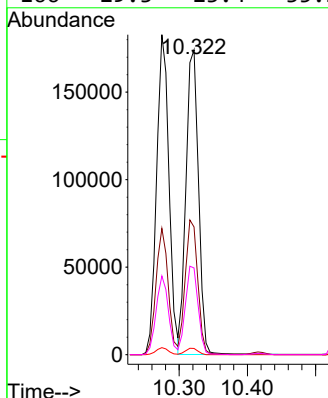
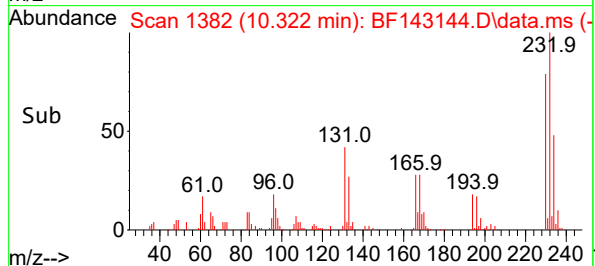
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:232 Resp: 220872
Ion Ratio Lower Upper
232 100
131 44.1 35.3 52.9
130 2.1 1.7 2.5
166 29.3 23.4 35.2

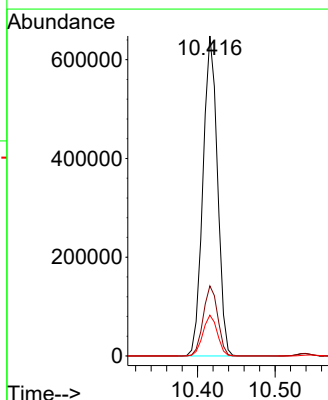
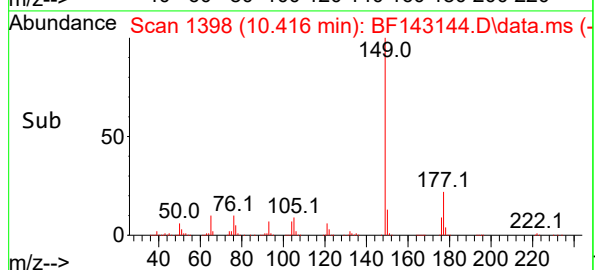
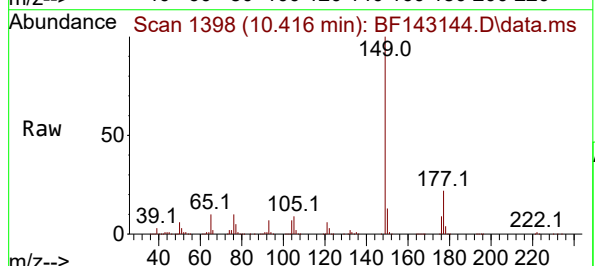
Manual Integrations
APPROVED

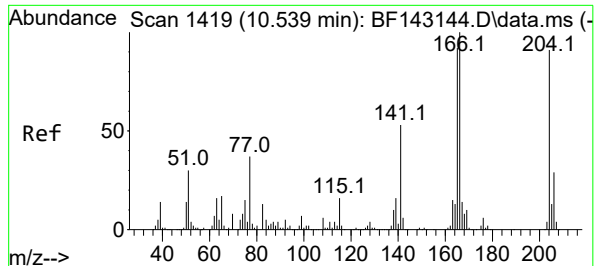
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#60
Diethylphthalate
Concen: 39.387 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

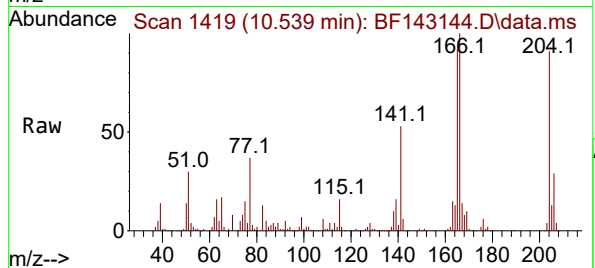
Tgt Ion:149 Resp: 842184
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.7 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 38.604 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

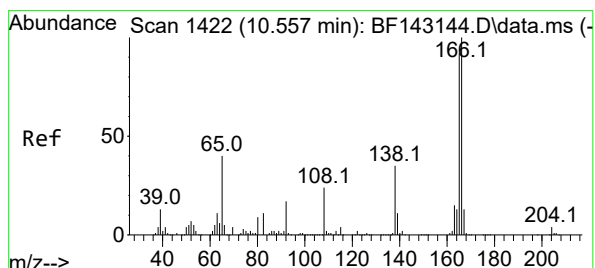
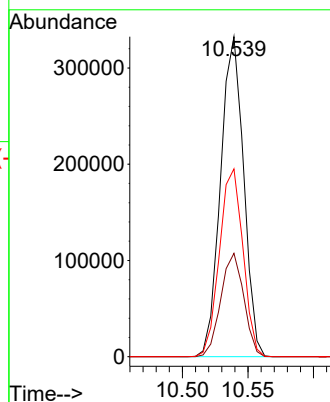
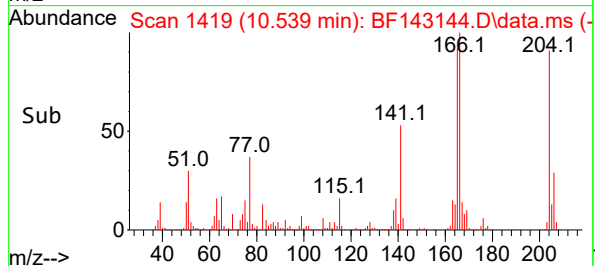
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



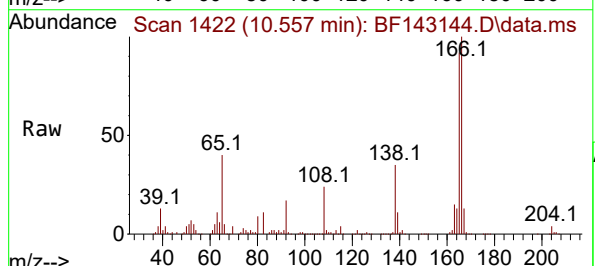
Tgt Ion:204 Resp: 40647
Ion Ratio Lower Upper
204 100
206 32.3 25.8 38.8
141 58.7 47.0 70.4

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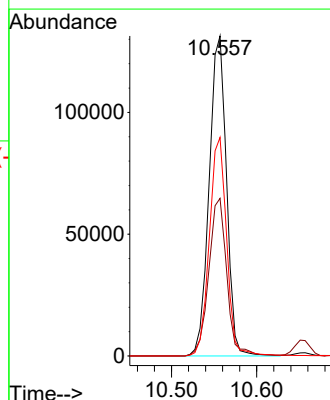
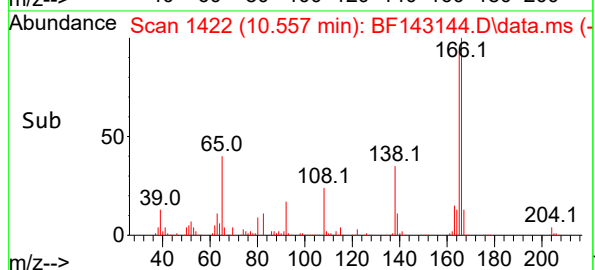
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

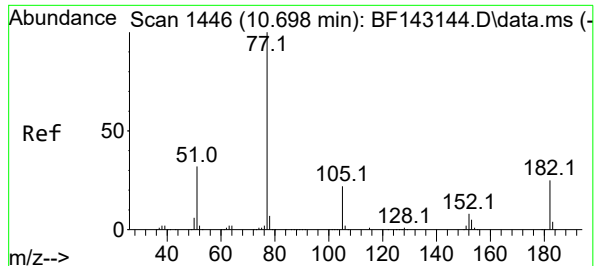


#62
4-Nitroaniline
Concen: 42.055 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03



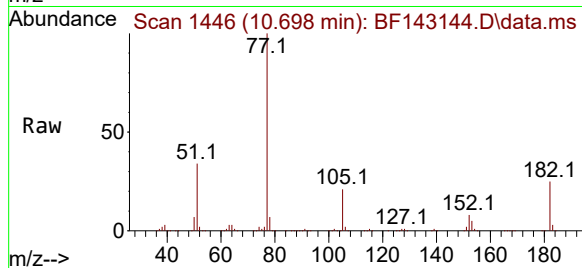
Tgt Ion:138 Resp: 185530
Ion Ratio Lower Upper
138 100
92 49.3 29.3 69.3
108 68.3 48.3 88.3





#63
Azobenzene
Concen: 39.326 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

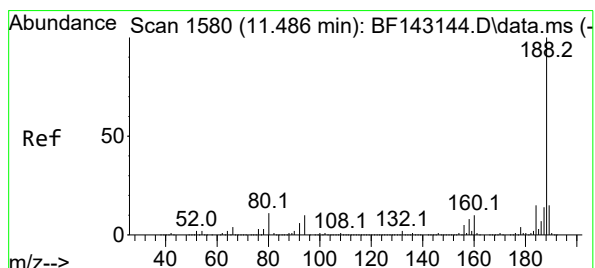
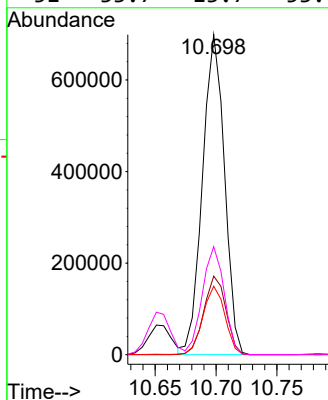
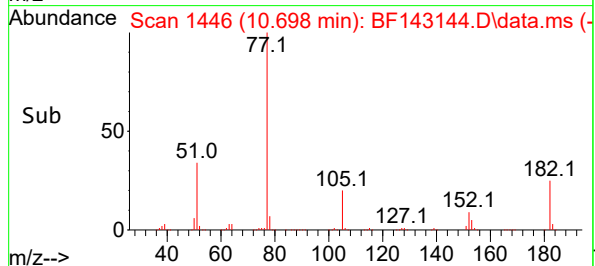
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



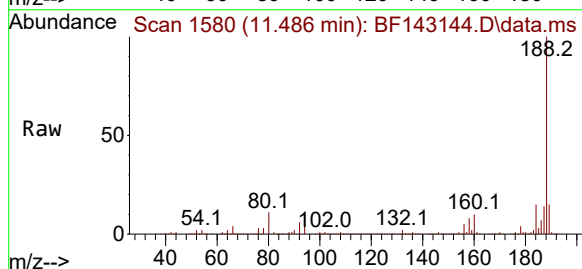
Tgt Ion: 77 Resp: 87638
Ion Ratio Lower Upper
77 100
182 24.6 4.6 44.6
105 21.4 1.4 41.4
51 33.7 13.7 53.7

Manual Integrations
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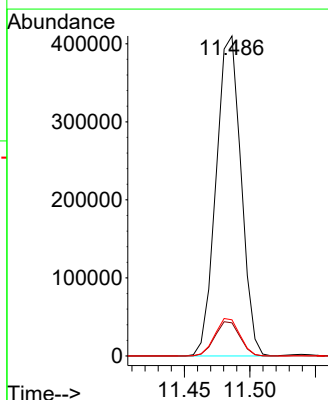
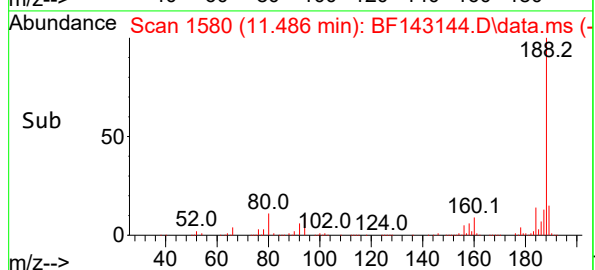
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

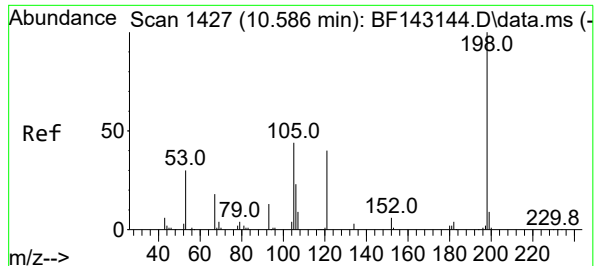


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03



Tgt Ion:188 Resp: 542726
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 11.3 9.0 13.6





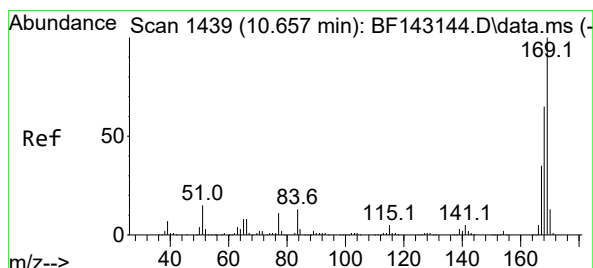
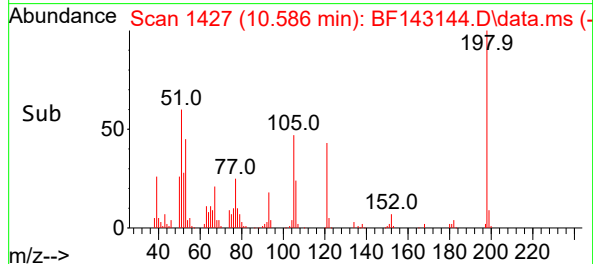
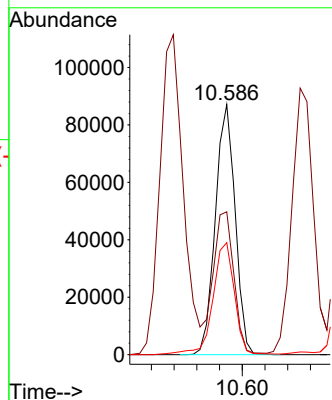
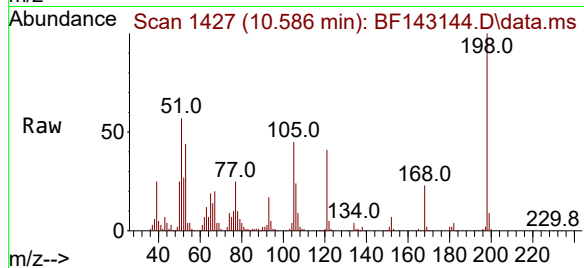
#65
4,6-Dinitro-2-methylphenol
Concen: 38.322 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 105532
Ion Ratio Lower Upper
198 100
51 57.2 37.2 77.2
105 44.8 24.8 64.8

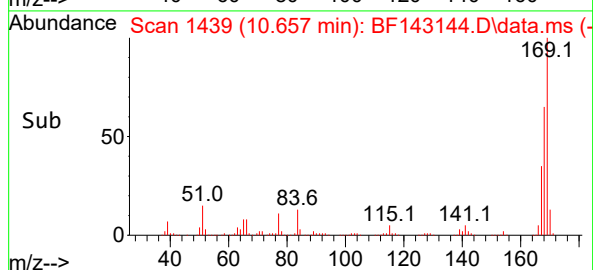
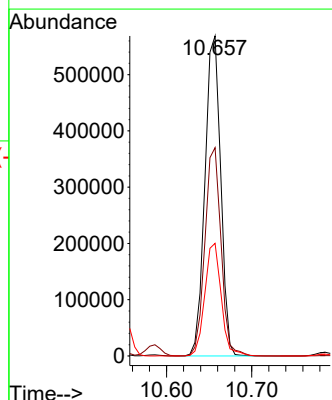
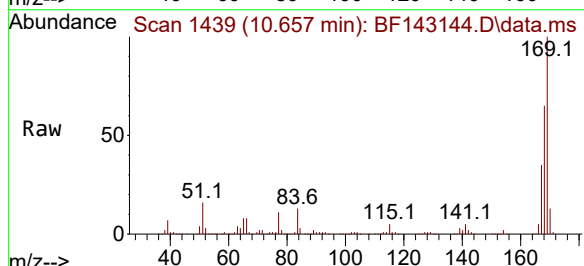
Manual Integrations
APPROVED

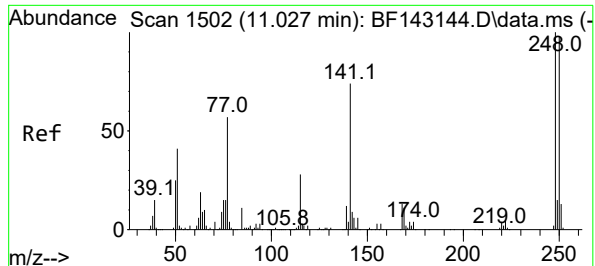
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 38.278 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

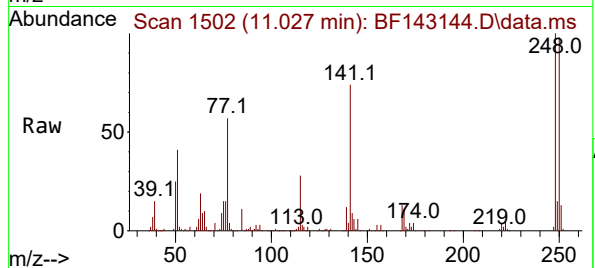
Tgt Ion:169 Resp: 731532
Ion Ratio Lower Upper
169 100
168 65.1 52.1 78.1
167 35.2 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 38.307 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

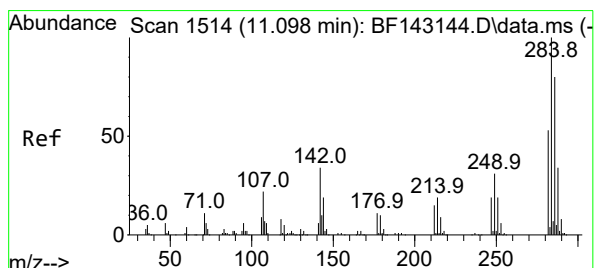
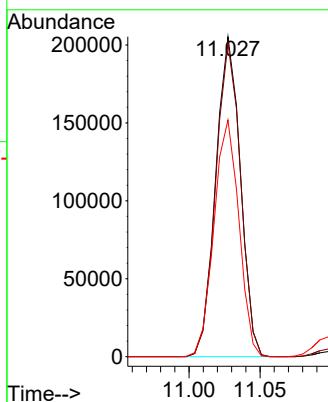
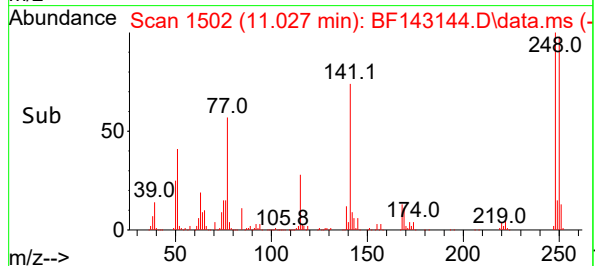
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



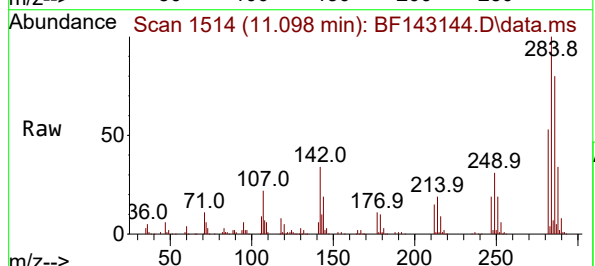
Tgt Ion:248 Resp: 247764
Ion Ratio Lower Upper
248 100
250 97.9 78.3 117.5
141 74.0 59.2 88.8

Manual Integrations
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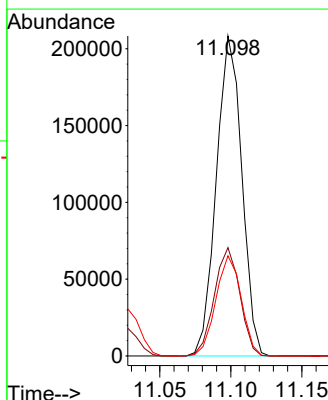
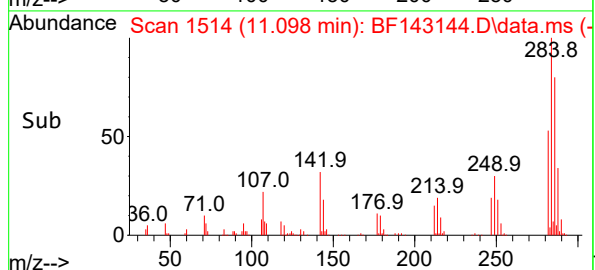
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

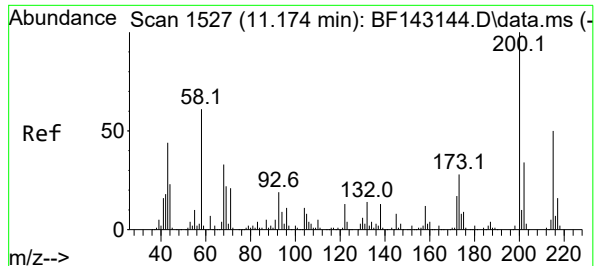


#68
Hexachlorobenzene
Concen: 38.424 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03



Tgt Ion:284 Resp: 259758
Ion Ratio Lower Upper
284 100
142 33.8 27.0 40.6
249 31.3 25.0 37.6





#69

Atrazine

Concen: 40.421 ng

RT: 11.174 min Scan# 1527

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:200 Resp: 212970

Ion Ratio Lower Upper

200 100

173 27.9 7.9 47.9

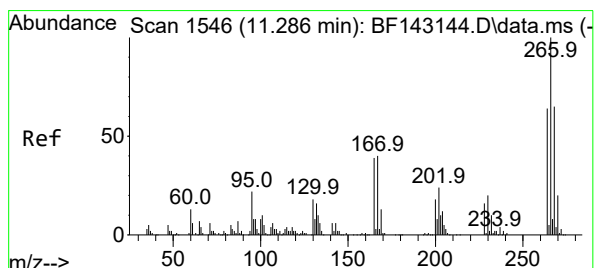
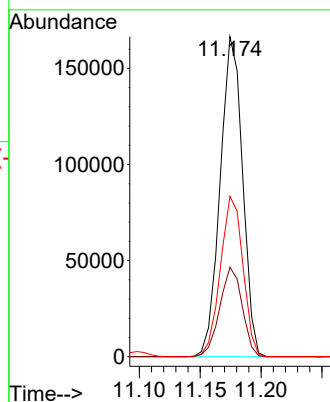
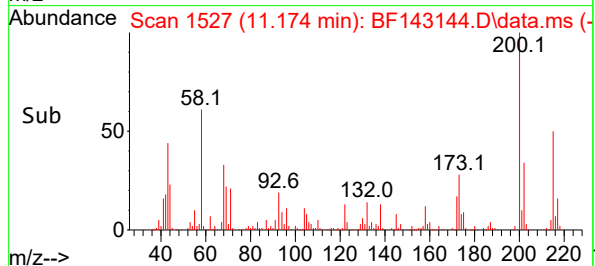
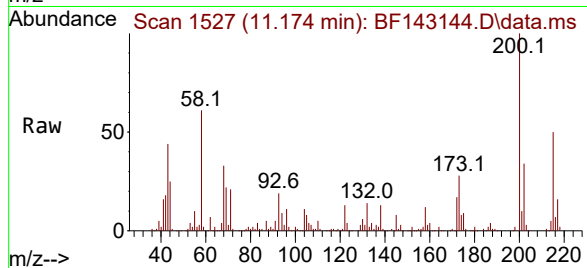
215 50.1 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 40.500 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

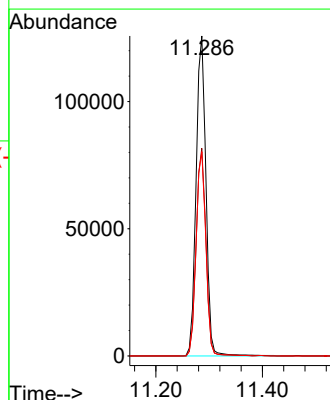
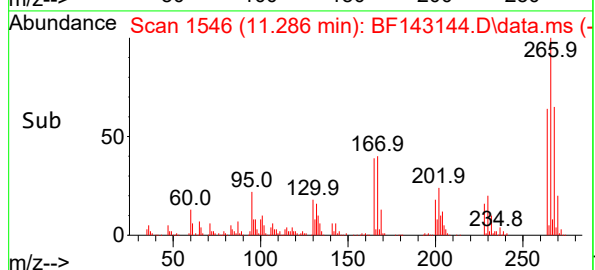
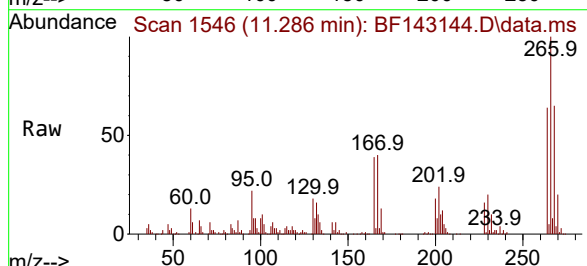
Tgt Ion:266 Resp: 161013

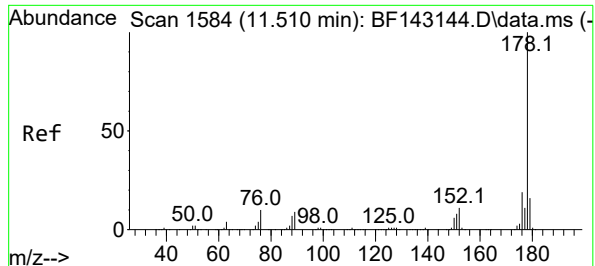
Ion Ratio Lower Upper

266 100

268 64.9 51.9 77.9

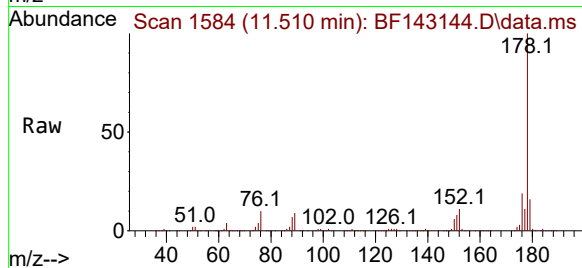
264 63.8 51.0 76.6





#71
Phenanthrene
Concen: 38.429 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

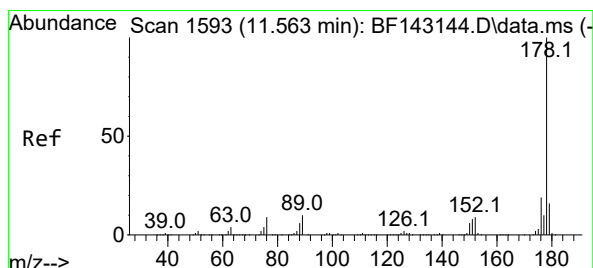
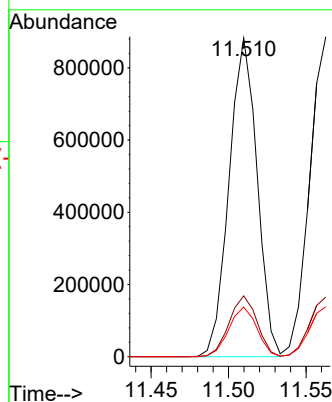
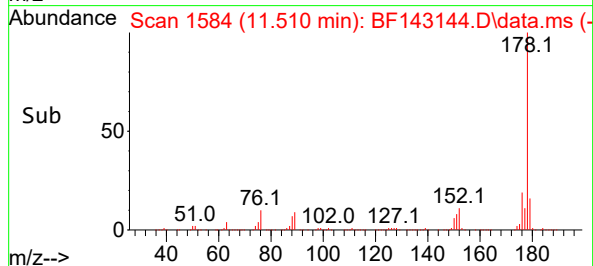
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:178 Resp: 1107412
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

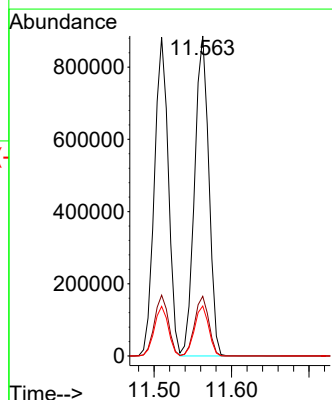
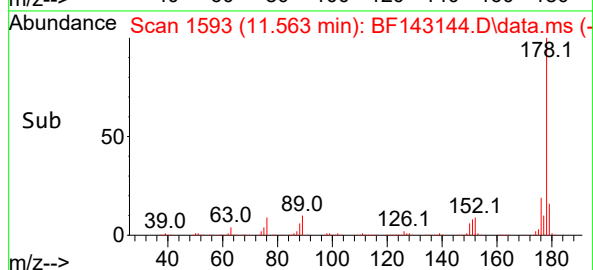
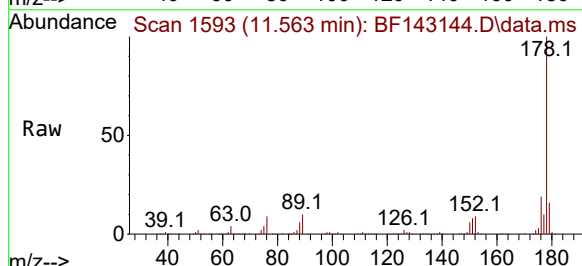
Manual Integrations
APPROVED

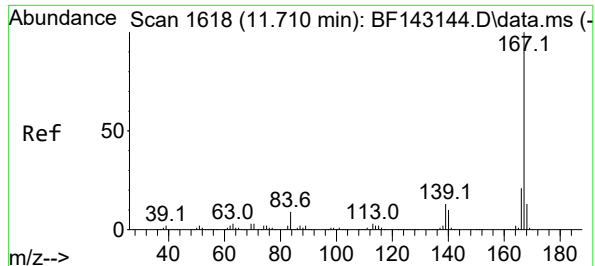
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#72
Anthracene
Concen: 38.336 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

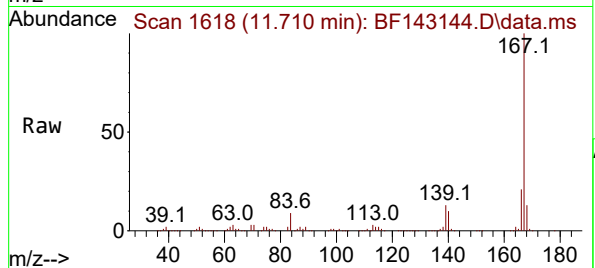
Tgt Ion:178 Resp: 1126710
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.6 12.5 18.7





#73
Carbazole
Concen: 39.304 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

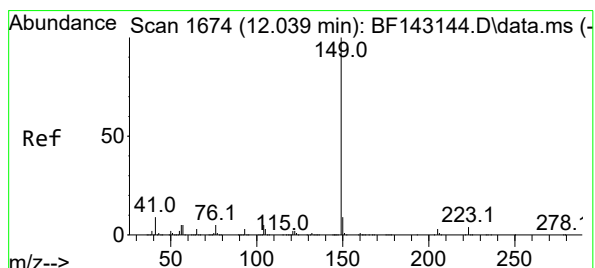
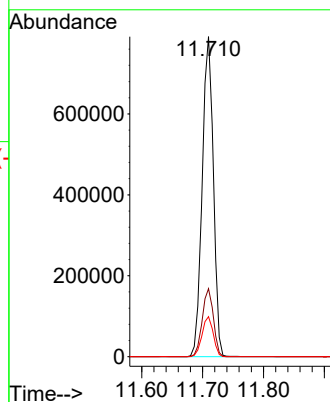
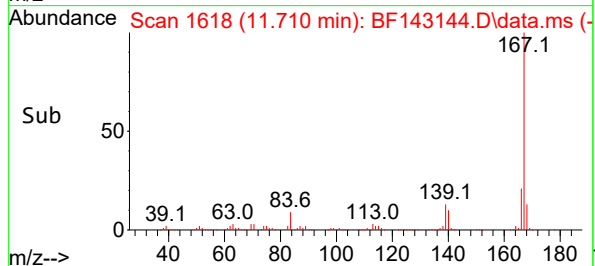
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



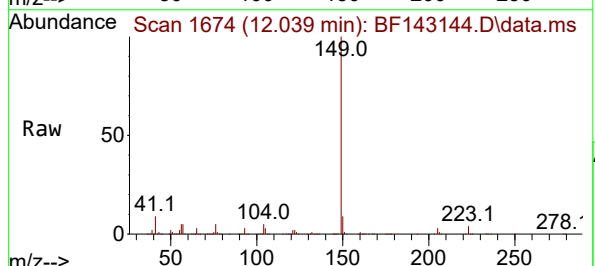
Tgt Ion:167 Resp: 1008669
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 12.5 10.0 15.0

Manual Integrations
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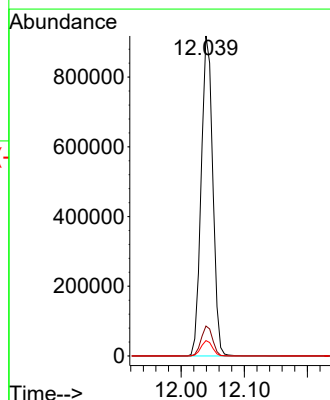
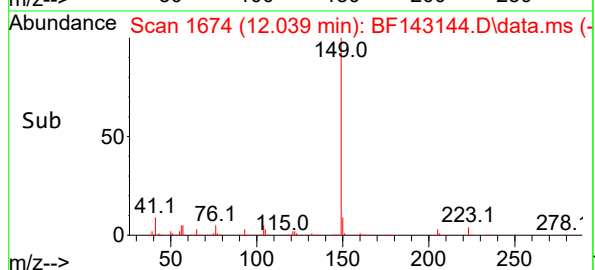
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

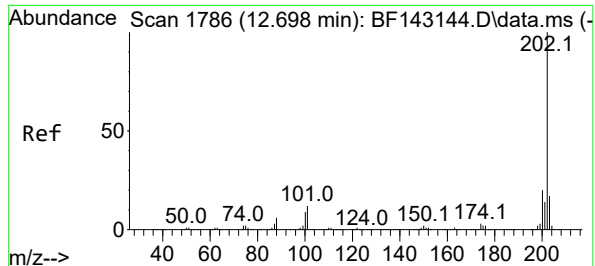


#74
Di-n-butylphthalate
Concen: 40.135 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03



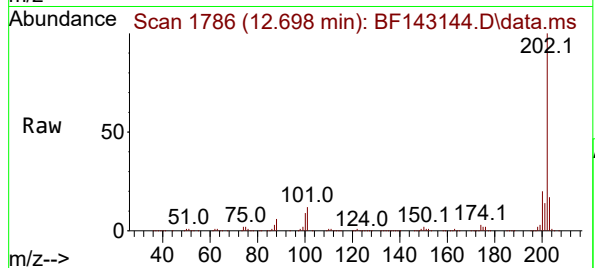
Tgt Ion:149 Resp: 1165443
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.8 3.8 5.8





#75
Fluoranthene
Concen: 39.111 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

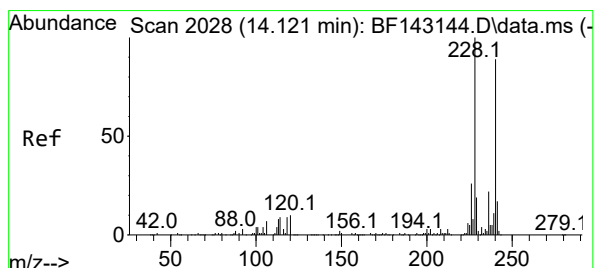
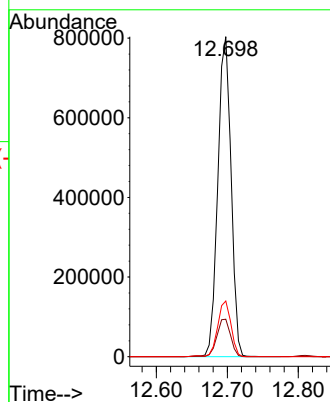
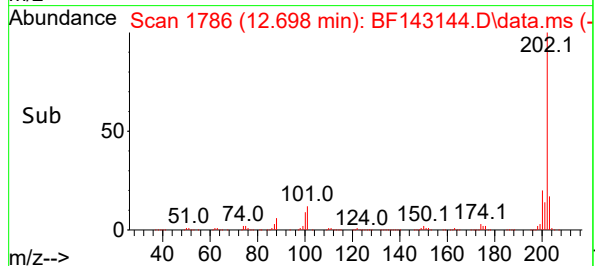
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 1034509
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.4 0.0 37.4

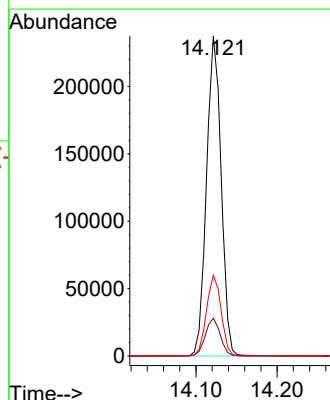
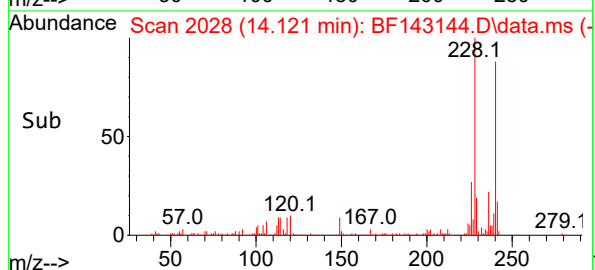
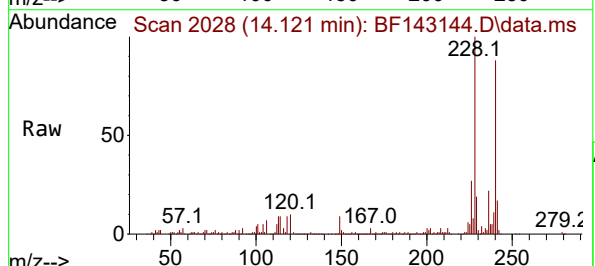
Manual Integrations
APPROVED

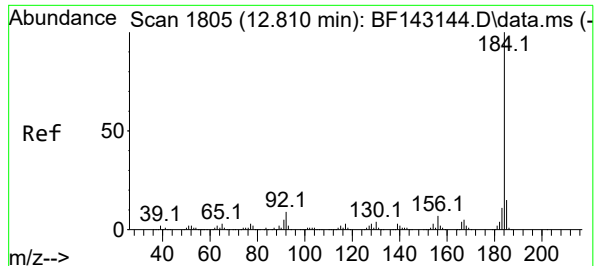
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

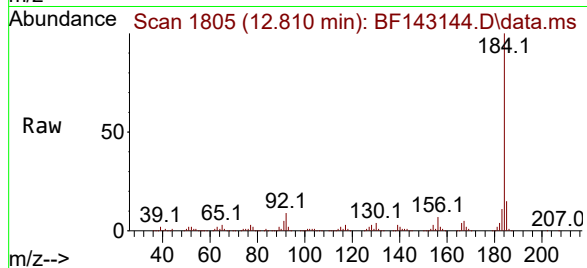
Tgt Ion:240 Resp: 296414
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 25.3 20.2 30.4





#77
Benzidine
Concen: 49.451 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

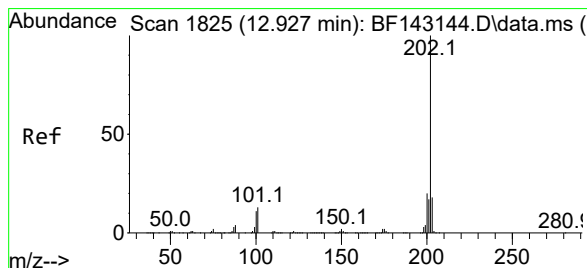
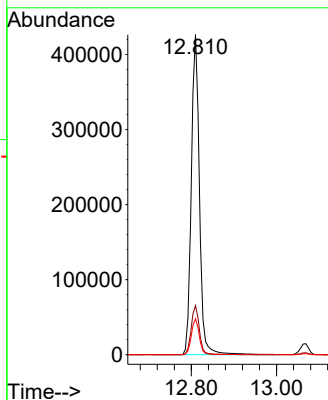
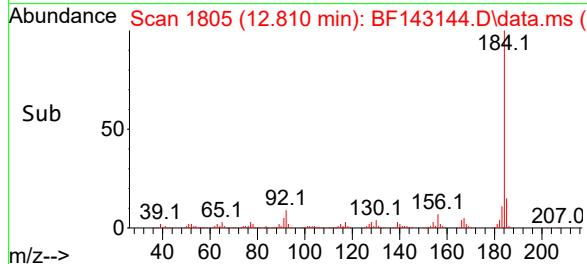
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:184 Resp: 564732
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.4
183 11.2 9.0 13.4

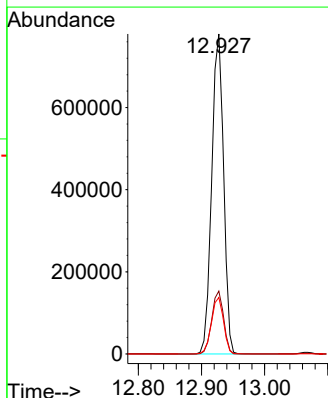
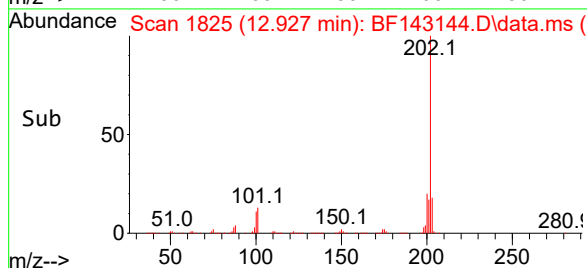
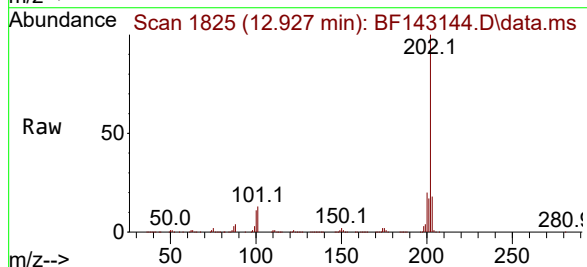
Manual Integrations
APPROVED

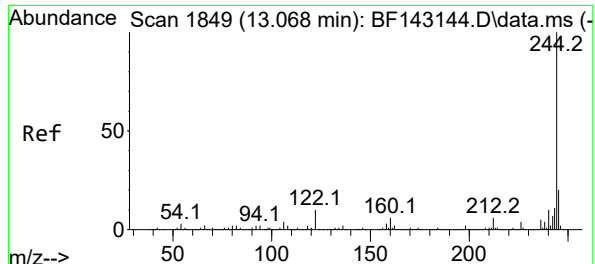
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 40.195 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:202 Resp: 1016822
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 78.063 ng

RT: 13.068 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:244 Resp: 155492

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

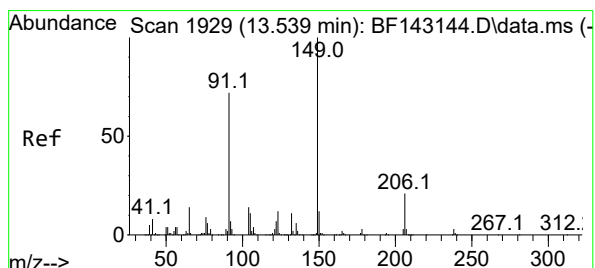
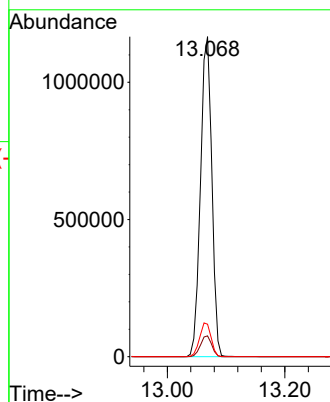
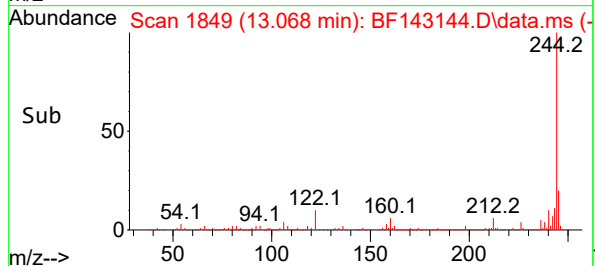
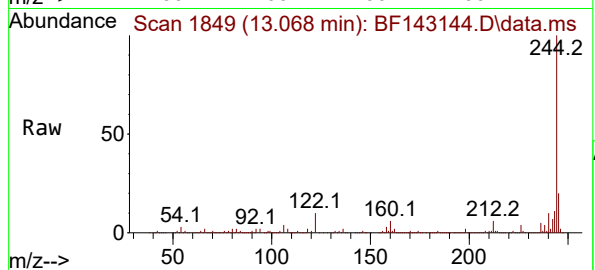
122 10.2 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 41.603 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

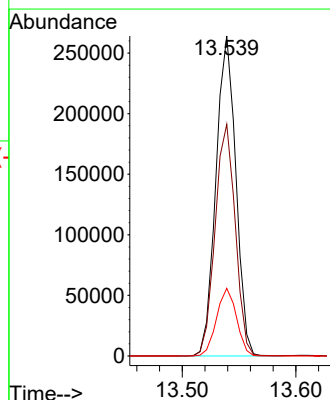
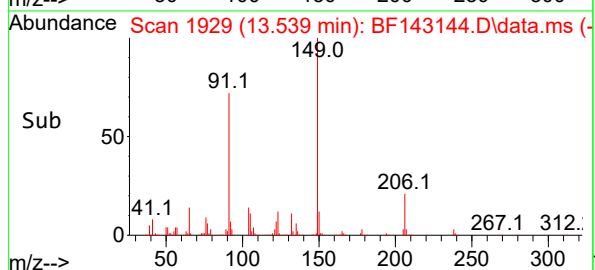
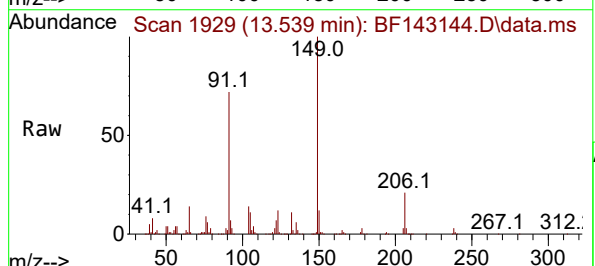
Tgt Ion:149 Resp: 322273

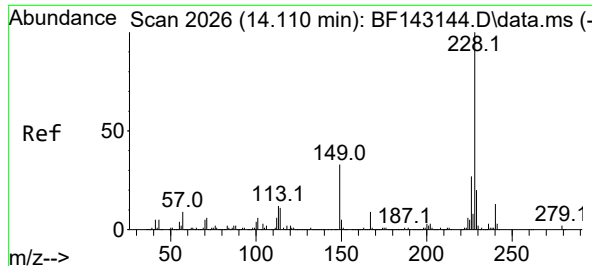
Ion Ratio Lower Upper

149 100

91 72.4 57.9 86.9

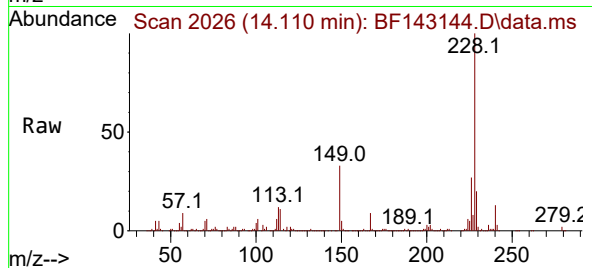
206 21.2 17.0 25.4





#81
Benzo(a)anthracene
Concen: 38.283 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

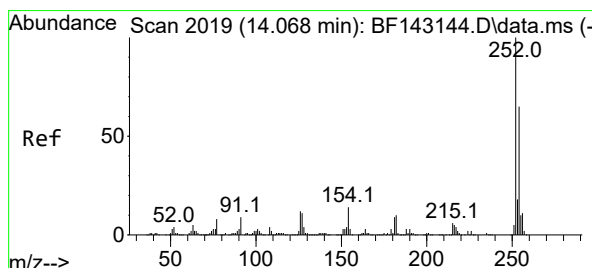
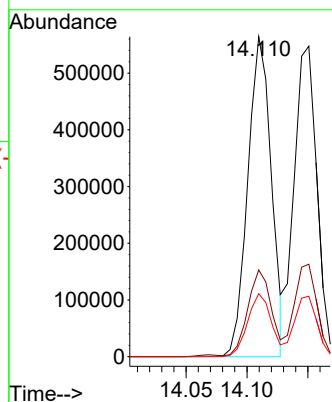
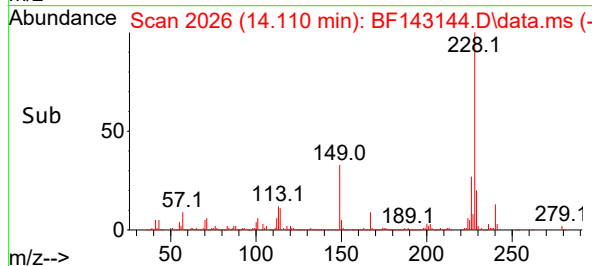
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 759720
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.7 15.8 23.6

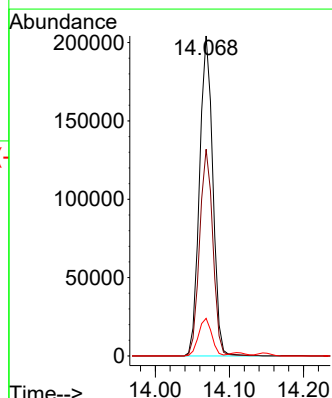
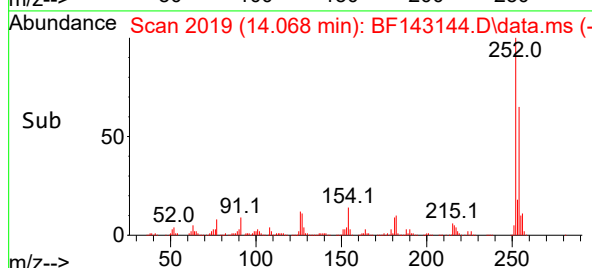
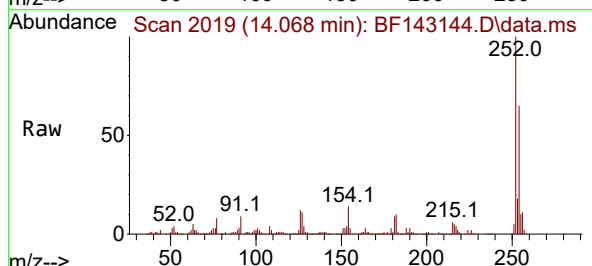
Manual Integrations
APPROVED

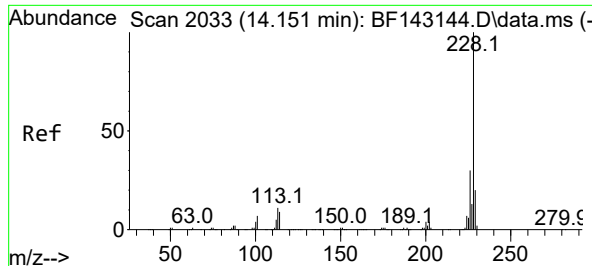
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#82
3,3'-Dichlorobenzidine
Concen: 38.418 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

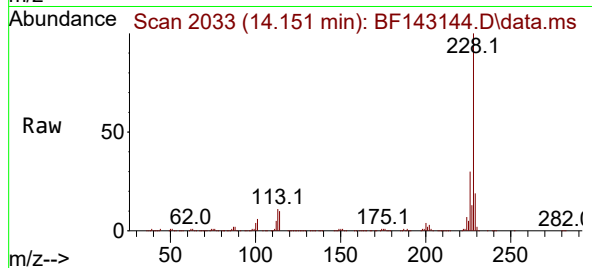
Tgt Ion:252 Resp: 254099
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 11.7 9.4 14.0





#83
Chrysene
Concen: 40.085 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

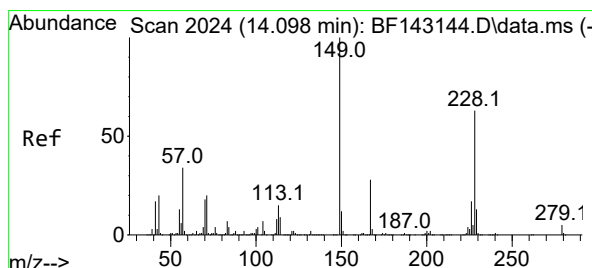
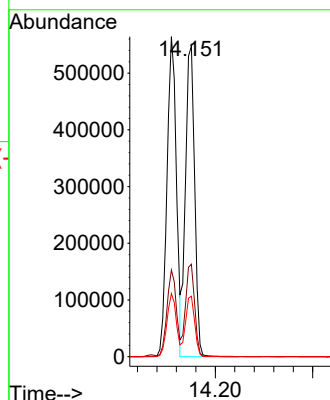
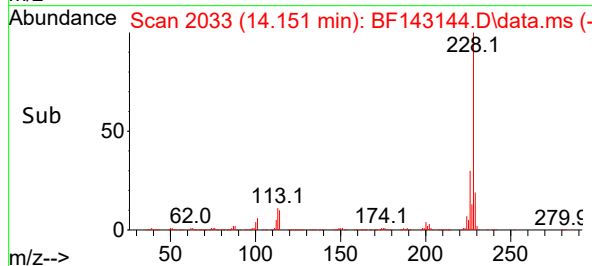
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 715222
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 19.5 15.6 23.4

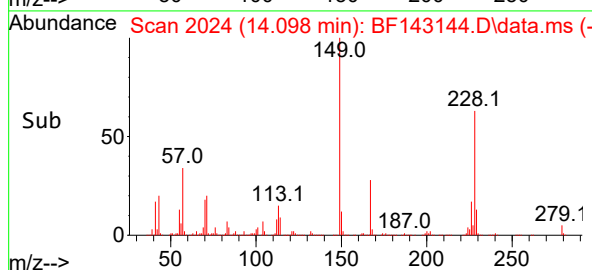
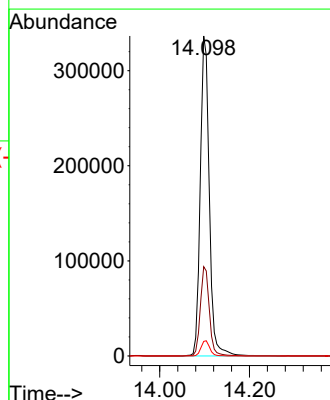
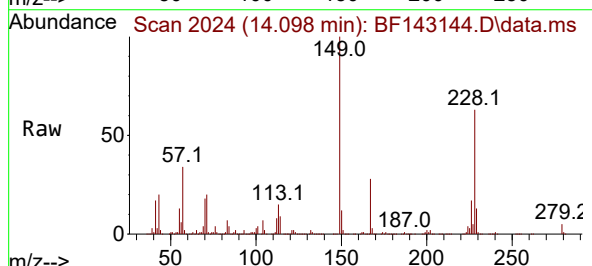
Manual Integrations
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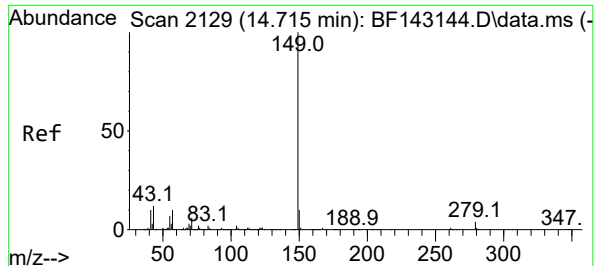
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 39.906 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

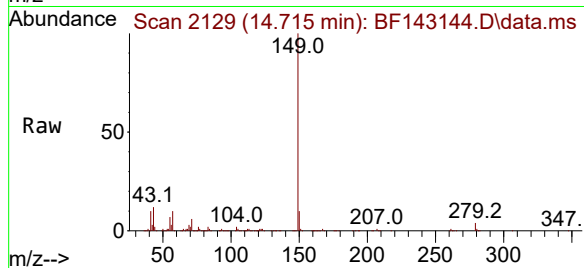
Tgt Ion:149 Resp: 467892
Ion Ratio Lower Upper
149 100
167 27.9 22.3 33.5
279 4.5 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 38.595 ng
RT: 14.715 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

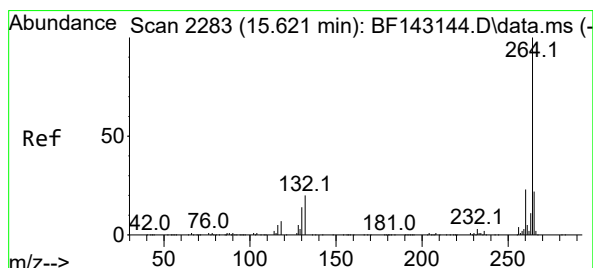
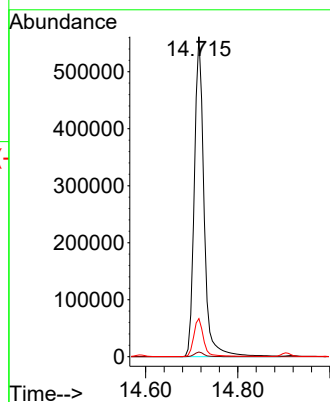
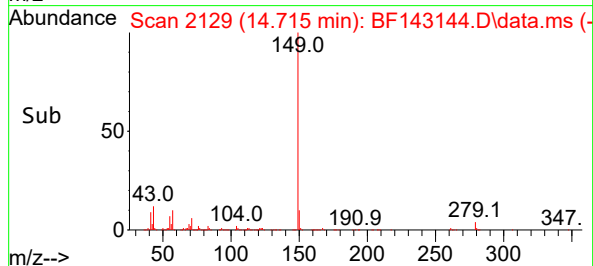
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 820264
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 12.1 9.7 14.5

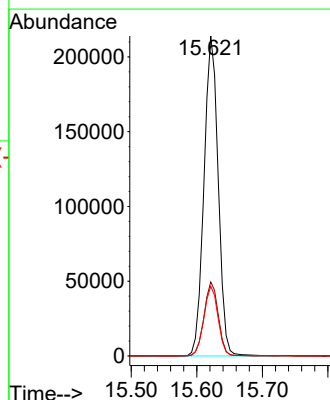
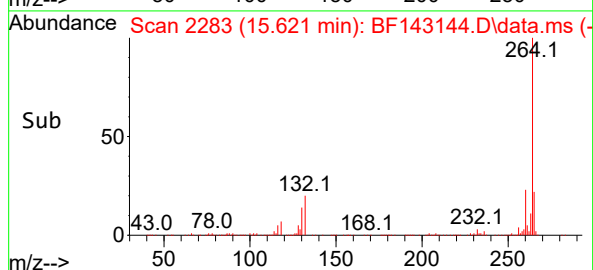
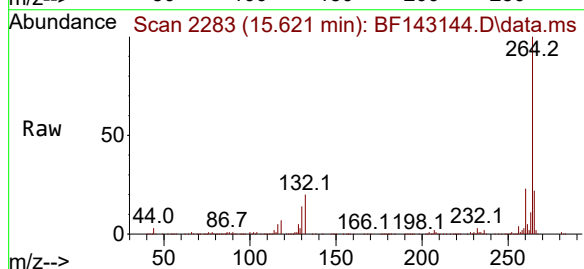
Manual Integrations
APPROVED

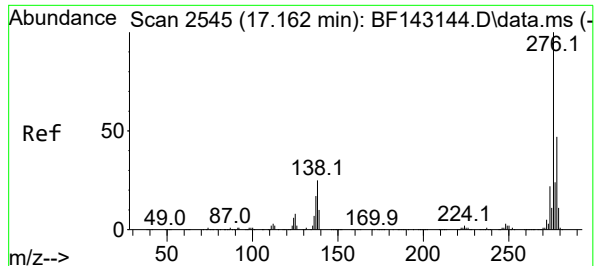
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

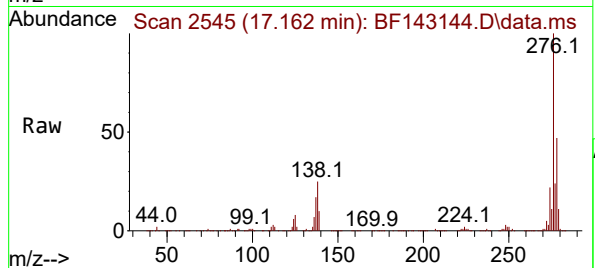
Tgt Ion:264 Resp: 323574
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.086 ng
RT: 17.162 min Scan# 2545
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

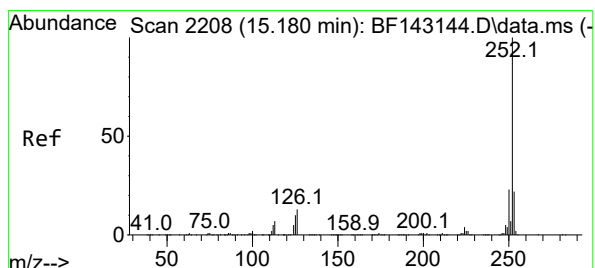
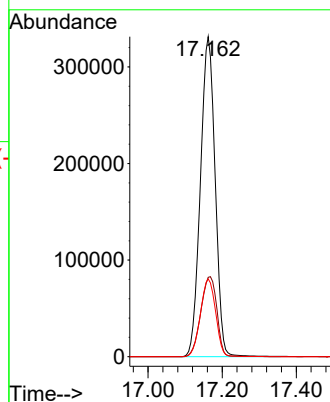
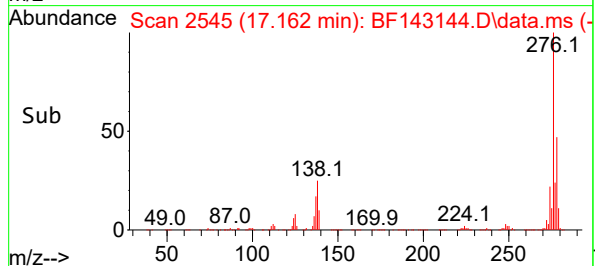
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:276 Resp: 914620
Ion Ratio Lower Upper
276 100
138 27.2 21.8 32.6
277 25.0 20.0 30.0

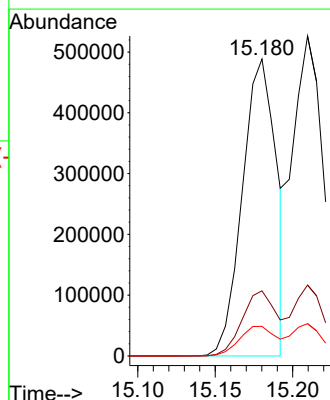
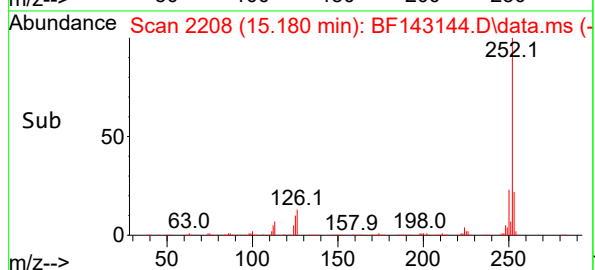
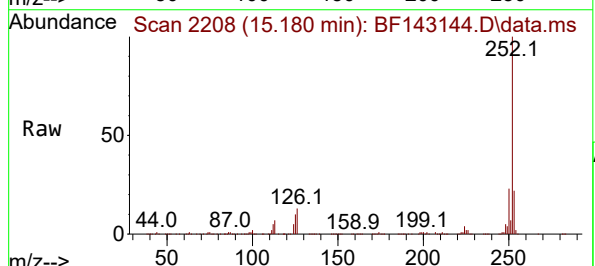
Manual Integrations
APPROVED

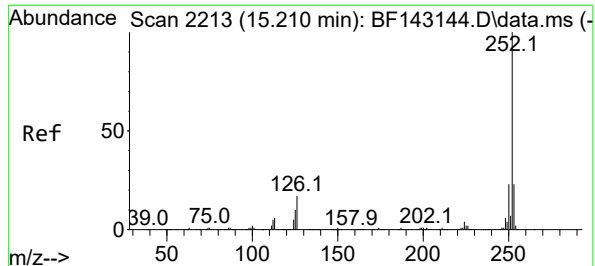
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#88
Benzo(b)fluoranthene
Concen: 37.554 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 742346
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.0 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 41.591 ng

RT: 15.210 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 73363

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

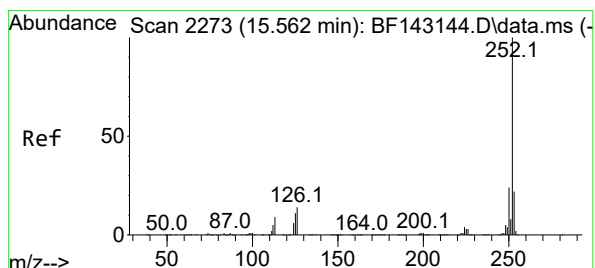
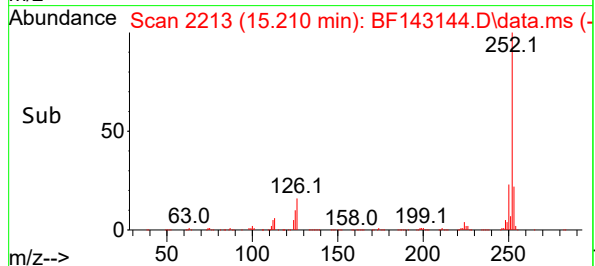
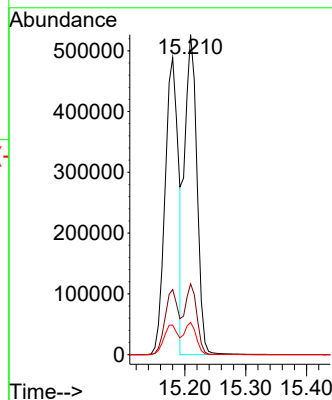
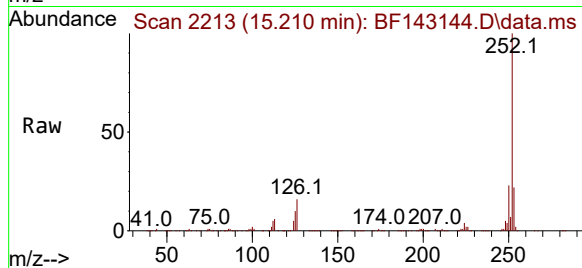
125 10.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 39.826 ng

RT: 15.562 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

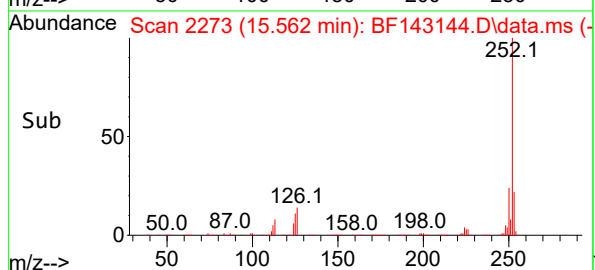
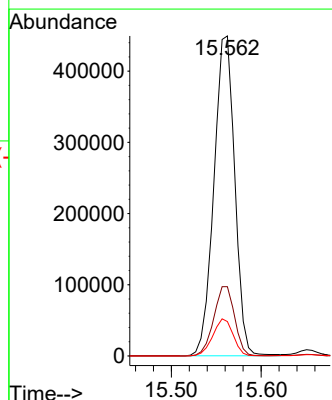
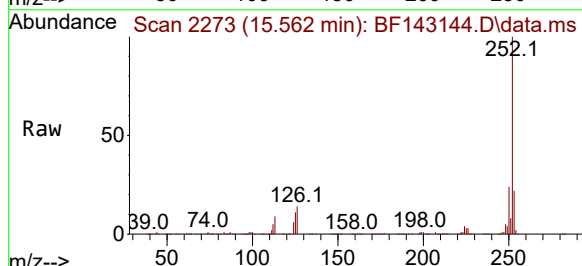
Tgt Ion:252 Resp: 725344

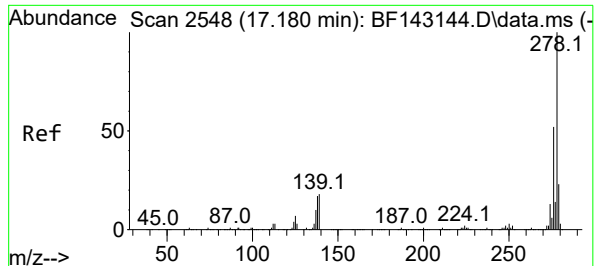
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

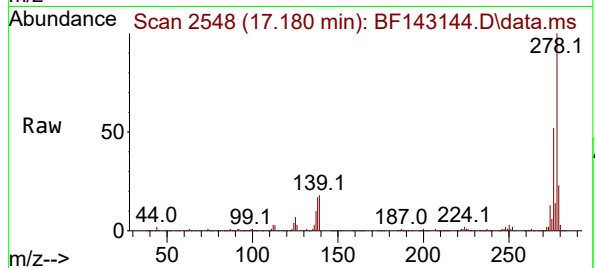
125 10.8 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 39.964 ng
RT: 17.180 min Scan# 2548
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

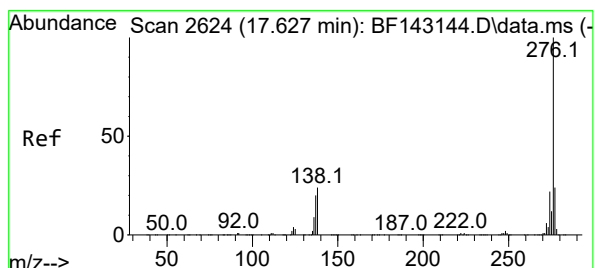
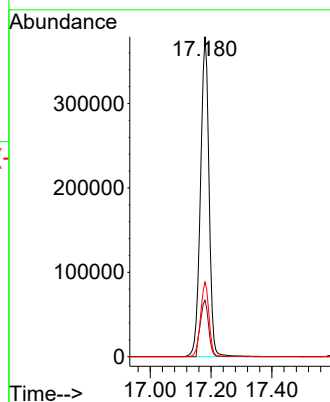
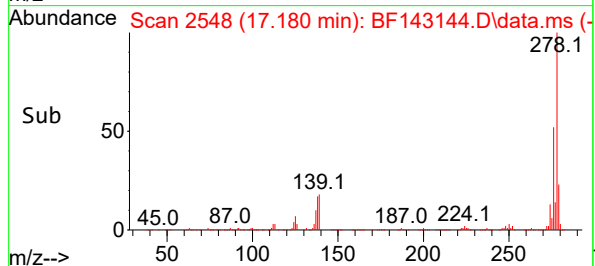
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:278 Resp: 742180
Ion Ratio Lower Upper
278 100
139 17.6 14.1 21.1
279 23.3 18.6 28.0

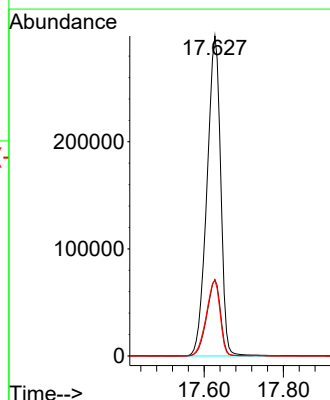
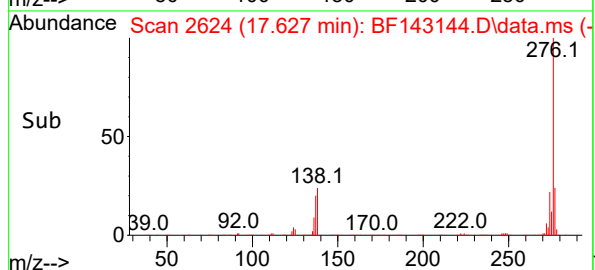
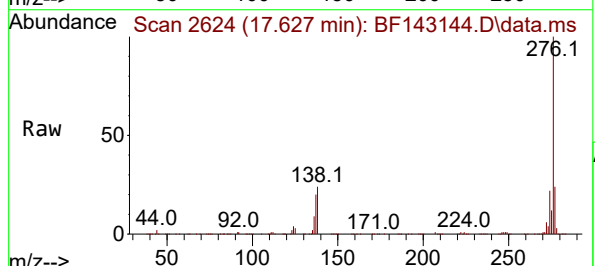
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 39.949 ng
RT: 17.627 min Scan# 2624
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:276 Resp: 717648
Ion Ratio Lower Upper
276 100
277 23.9 19.1 28.7
138 23.6 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143145.D
 Acq On : 17 Jul 2025 13:33
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:04:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	144385	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	555536	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	283657	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	447089	20.000	ng	0.00
76) Chrysene-d12	14.121	240	247878	20.000	ng	0.00
86) Perylene-d12	15.621	264	282289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	927268	101.629	ng	0.00
7) Phenol-d6	6.587	99	1178468	102.615	ng	0.00
23) Nitrobenzene-d5	7.528	82	1158494	103.949	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	309465	105.607	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2005894	96.712	ng	0.00
79) Terphenyl-d14	13.068	244	1663033	99.838	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.816	88	225749	52.289	ng	100
3) Pyridine	3.587	79	584060	52.122	ng	99
4) n-Nitrosodimethylamine	3.534	42	307202	53.098	ng	100
6) Aniline	6.628	93	827275	51.687	ng	100
8) 2-Chlorophenol	6.751	128	493989	51.652	ng	98
9) Benzaldehyde	6.516	77	509476	59.162	ng	99
10) Phenol	6.598	94	645540m	51.598	ng	
11) bis(2-Chloroethyl)ether	6.698	93	491371	51.295	ng	99
12) 1,3-Dichlorobenzene	6.910	146	529202	50.937	ng	99
13) 1,4-Dichlorobenzene	6.981	146	531696	50.818	ng	99
14) 1,2-Dichlorobenzene	7.134	146	510140	51.264	ng	100
15) Benzyl Alcohol	7.098	79	461379	52.616	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	908530	51.128	ng	99
17) 2-Methylphenol	7.204	107	418793	52.079	ng	100
18) Hexachloroethane	7.481	117	189394	52.289	ng	99
19) n-Nitroso-di-n-propyla...	7.381	70	369367	50.131	ng	99
20) 3+4-Methylphenols	7.363	107	506069	51.870	ng	# 89
22) Acetophenone	7.369	105	661017	50.258	ng	98
24) Nitrobenzene	7.545	77	538666	51.843	ng	100
25) Isophorone	7.786	82	1018783	51.783	ng	99
26) 2-Nitrophenol	7.857	139	252169	55.920	ng	98
27) 2,4-Dimethylphenol	7.892	122	469819	51.112	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	597241	50.631	ng	100
29) 2,4-Dichlorophenol	8.098	162	401336	51.773	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	420763	50.242	ng	99
31) Naphthalene	8.269	128	1369627	50.060	ng	100
32) Benzoic acid	7.998	122	273361m	52.352	ng	
33) 4-Chloroaniline	8.310	127	566422	50.703	ng	99
34) Hexachlorobutadiene	8.392	225	260787	50.976	ng	99
35) Caprolactam	8.680	113	126050	53.811	ng	96
36) 4-Chloro-3-methylphenol	8.786	107	431745	51.242	ng	98
37) 2-Methylnaphthalene	8.957	142	837820	50.324	ng	100
38) 1-Methylnaphthalene	9.057	142	862300	50.298	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	412916	50.420	ng	100
41) Hexachlorocyclopentadiene	9.116	237	286805	53.823	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	304466	53.718	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143145.D
 Acq On : 17 Jul 2025 13:33
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:04:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

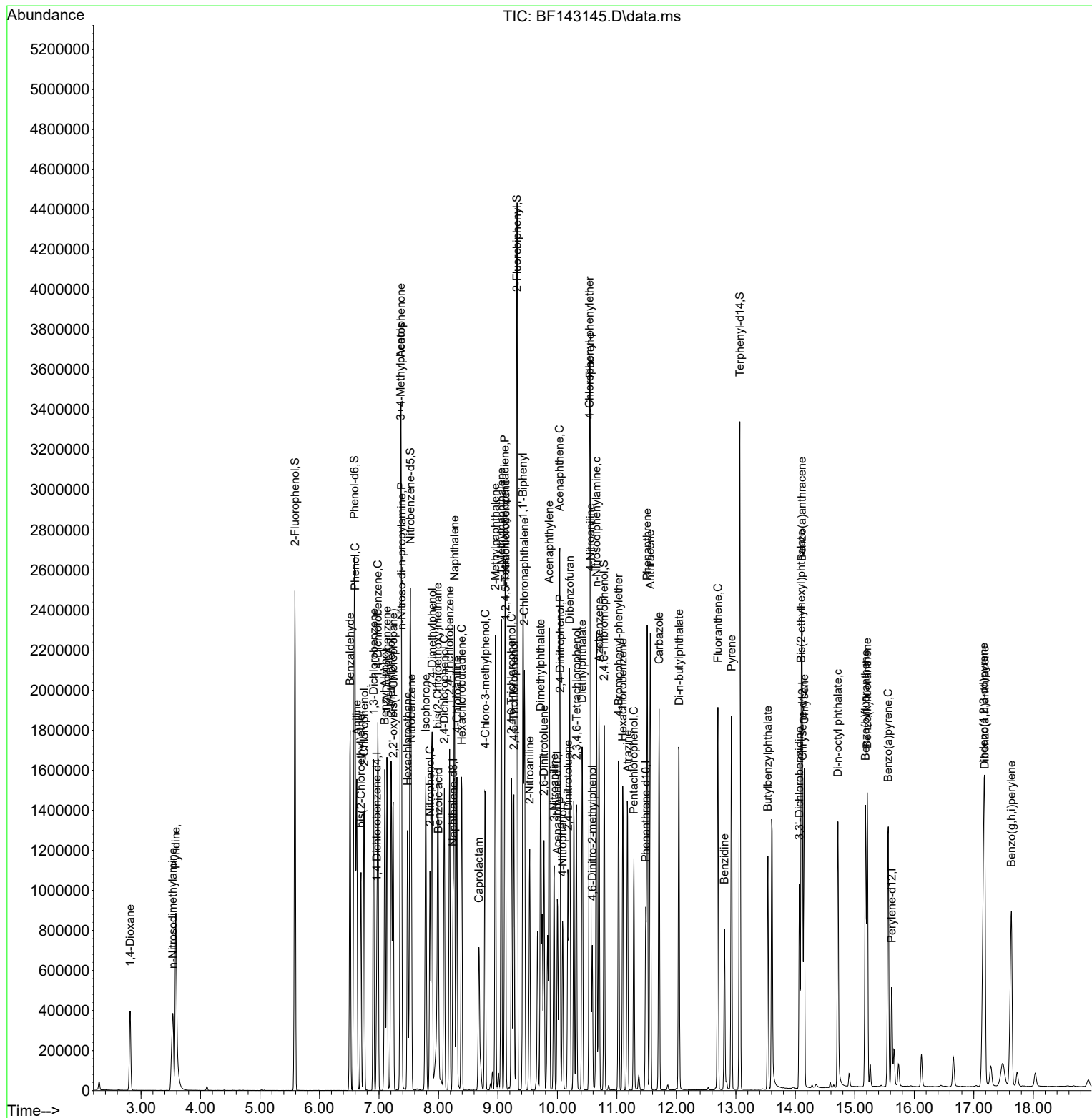
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	291607	51.434	ng	99
46) 1,1'-Biphenyl	9.422	154	1101317	49.764	ng	99
47) 2-Chloronaphthalene	9.445	162	826749	50.488	ng	100
48) 2-Nitroaniline	9.533	65	281082	54.736	ng	99
49) Acenaphthylene	9.863	152	1388721	50.605	ng	100
50) Dimethylphthalate	9.716	163	939863	50.832	ng	100
51) 2,6-Dinitrotoluene	9.775	165	205147	54.541	ng	98
52) Acenaphthene	10.033	154	818783	50.481	ng	100
53) 3-Nitroaniline	9.945	138	236959	53.861	ng	99
54) 2,4-Dinitrophenol	10.045	184	81983	50.750	ng	98
55) Dibenzofuran	10.204	168	1204088	50.001	ng	99
56) 4-Nitrophenol	10.086	139	177408	54.001	ng	98
57) 2,4-Dinitrotoluene	10.180	165	264045	55.954	ng	95
58) Fluorene	10.551	166	891646	49.335	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	248745	52.965	ng	100
60) Diethylphthalate	10.416	149	942625	51.580	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	449168	49.911	ng	99
62) 4-Nitroaniline	10.557	138	205210	54.424	ng	99
63) Azobenzene	10.698	77	966931	50.766	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	122876	51.927	ng	100
66) n-Nitrosodiphenylamine	10.657	169	811422	51.540	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	275679	51.741	ng	98
68) Hexachlorobenzene	11.098	284	288405	51.788	ng	100
69) Atrazine	11.180	200	232907	53.662	ng	99
70) Pentachlorophenol	11.286	266	178753	54.581	ng	99
71) Phenanthrene	11.510	178	1194582	50.321	ng	100
72) Anthracene	11.563	178	1223920	50.552	ng	100
73) Carbazole	11.710	167	1076803	50.934	ng	100
74) Di-n-butylphthalate	12.045	149	1250841	52.290	ng	100
75) Fluoranthene	12.698	202	1093890	50.203	ng	100
77) Benzidine	12.810	184	431944	45.229	ng	100
78) Pyrene	12.927	202	1078520	50.982	ng	100
80) Butylbenzylphthalate	13.539	149	360698	55.681	ng	98
81) Benzo(a)anthracene	14.110	228	880975	53.085	ng	99
82) 3,3'-Dichlorobenzidine	14.068	252	294836	53.305	ng	99
83) Chrysene	14.151	228	754953	50.597	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	534128	54.475	ng	100
85) Di-n-octyl phthalate	14.715	149	960309	54.032	ng	99
87) Indeno(1,2,3-cd)pyrene	17.168	276	1061877	53.347	ng	99
88) Benzo(b)fluoranthene	15.180	252	953990	55.319	ng	100
89) Benzo(k)fluoranthene	15.209	252	754417	49.024	ng	99
90) Benzo(a)pyrene	15.562	252	840968	52.928	ng	100
91) Dibenzo(a,h)anthracene	17.186	278	861467	53.172	ng	99
92) Benzo(g,h,i)perylene	17.633	276	843865	53.845	ng	100

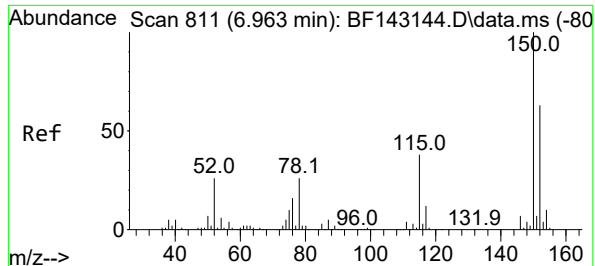
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations

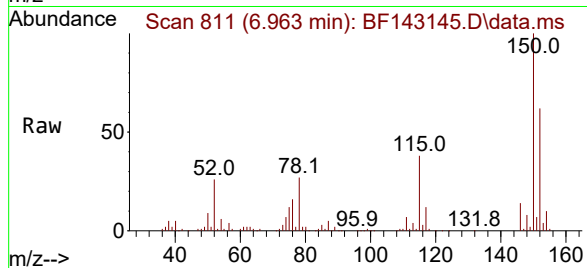
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jaagrut Upadhyay 07/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

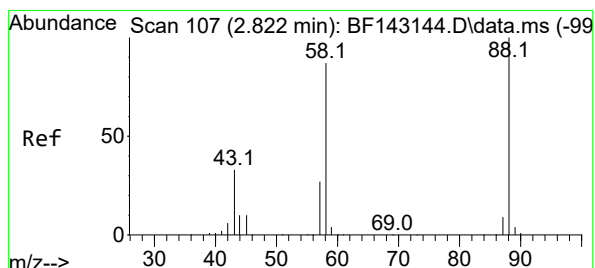
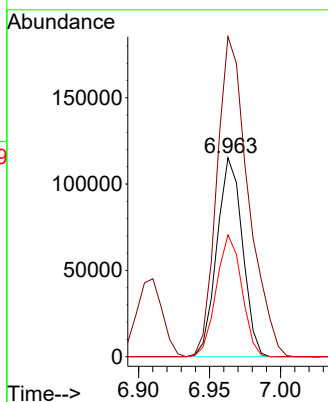
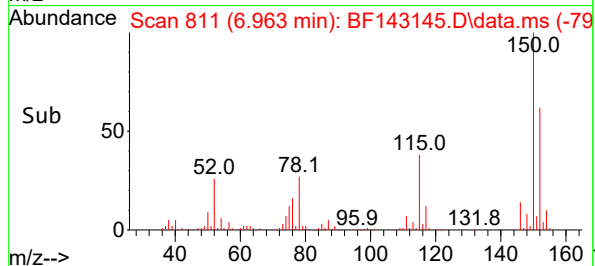
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



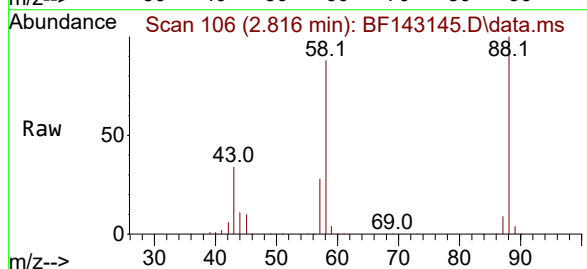
Tgt Ion:152 Resp: 144385
Ion Ratio Lower Upper
152 100
150 160.9 128.2 192.4
115 61.2 47.9 71.9

Manual Integrations
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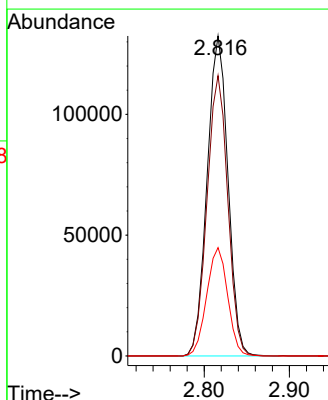
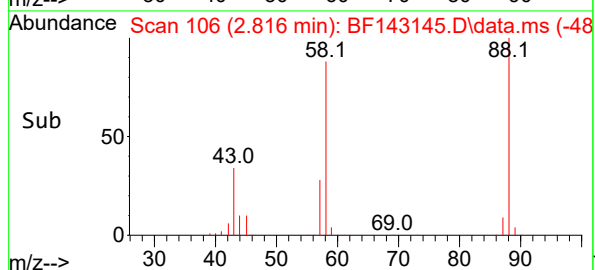
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

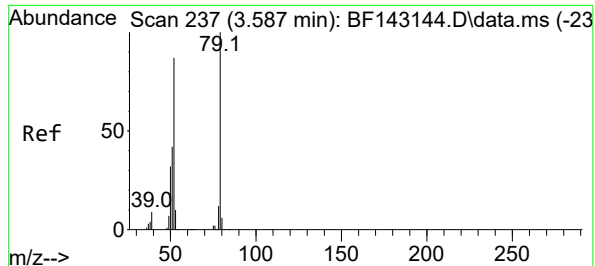


#2
1,4-Dioxane
Concen: 52.289 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



Tgt Ion: 88 Resp: 225749
Ion Ratio Lower Upper
88 100
58 87.3 70.2 105.2
43 34.0 27.1 40.7





#3

Pyridine

Concen: 52.122 ng

RT: 3.587 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 584060

Ion Ratio Lower Upper

79 100

52 85.8 69.4 104.2

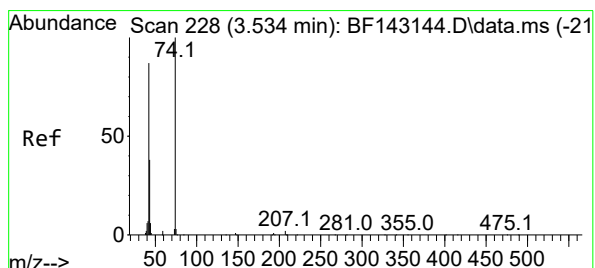
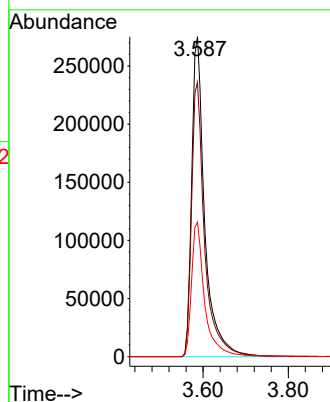
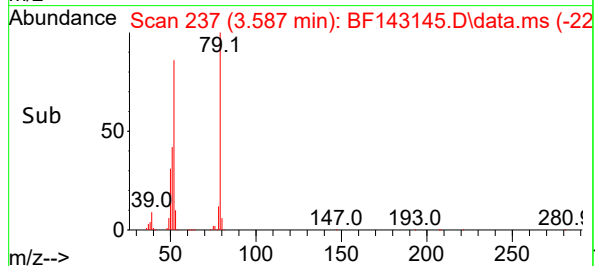
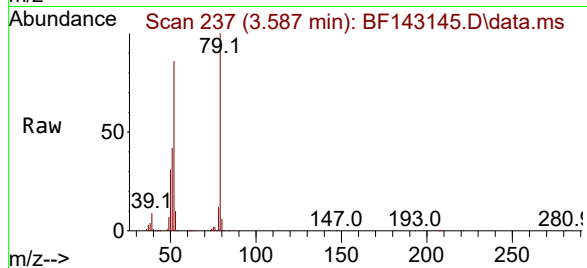
51 42.0 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#4

n-Nitrosodimethylamine

Concen: 53.098 ng

RT: 3.534 min Scan# 228

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

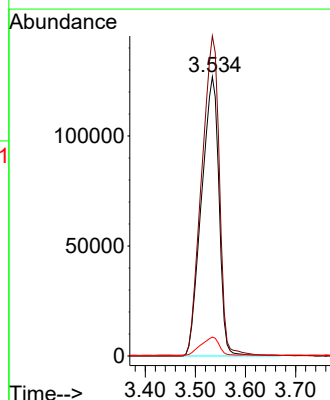
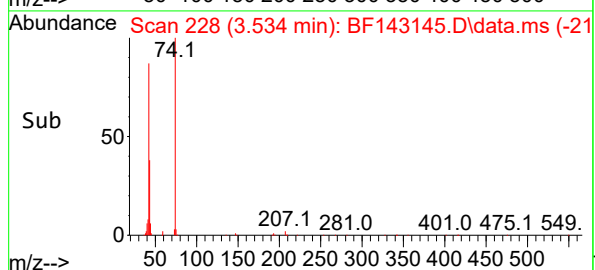
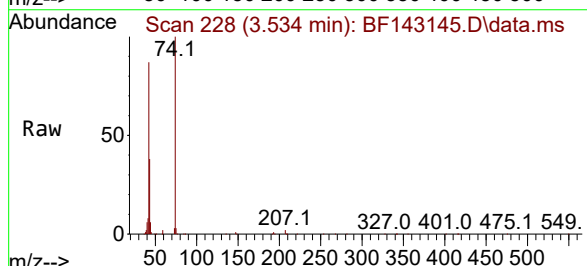
Tgt Ion: 42 Resp: 307202

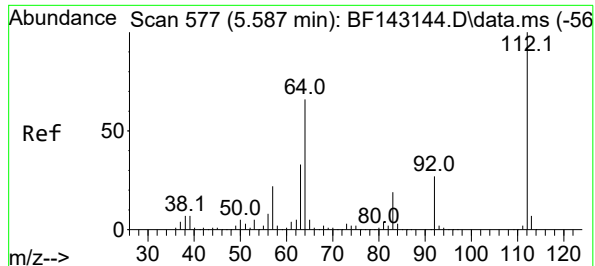
Ion Ratio Lower Upper

42 100

74 114.6 91.7 137.5

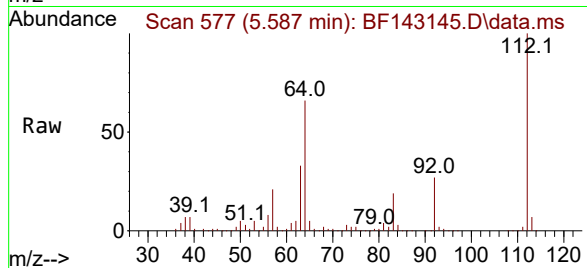
44 6.8 5.6 8.4





#5
2-Fluorophenol
Concen: 101.629 ng
RT: 5.587 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

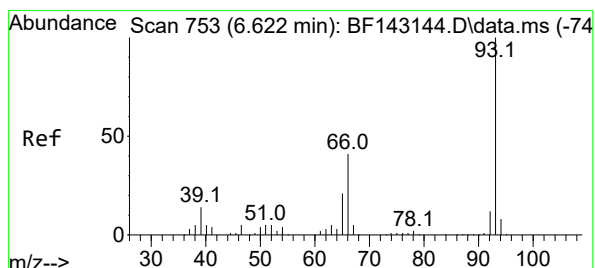
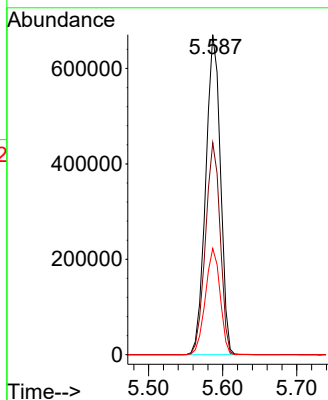
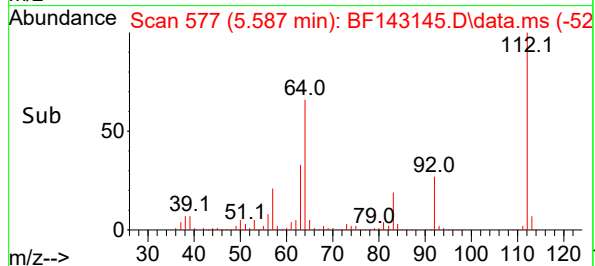
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:112 Resp: 927268
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.2 26.6 40.0

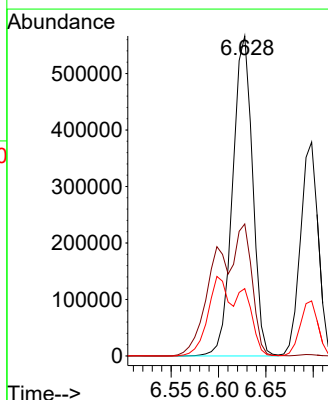
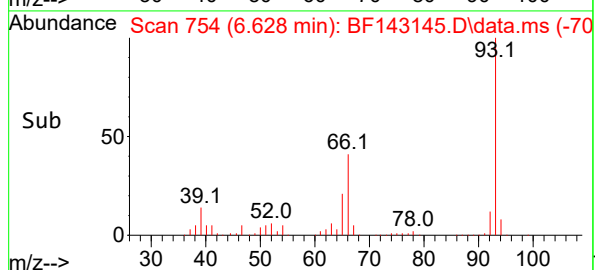
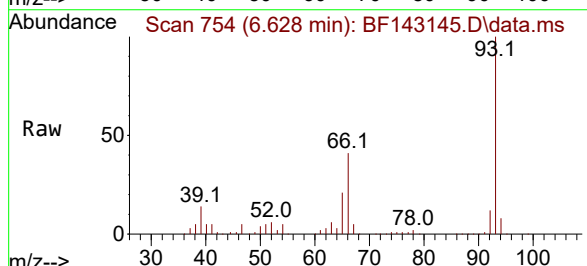
Manual Integrations
APPROVED

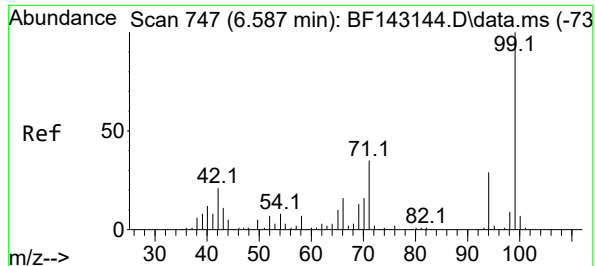
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 51.687 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 93 Resp: 827275
Ion Ratio Lower Upper
93 100
66 41.2 33.2 49.8
65 21.1 16.9 25.3





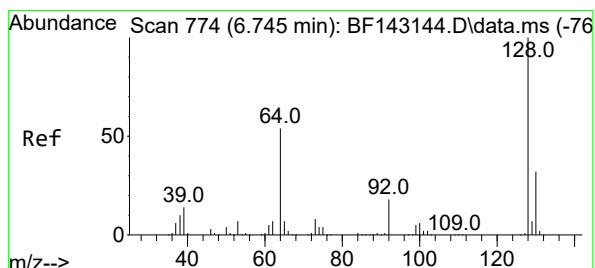
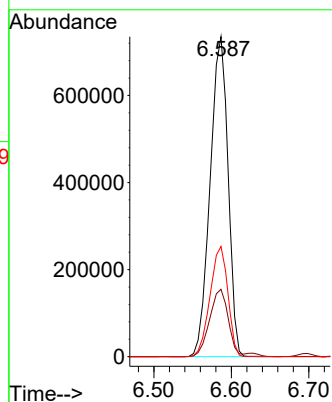
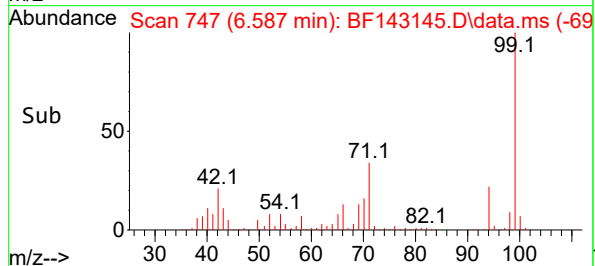
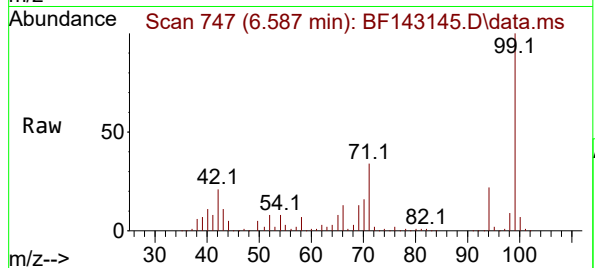
#7
Phenol-d6
Concen: 102.615 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1178468
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.4 27.7 41.5

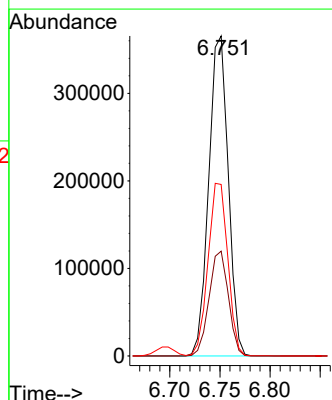
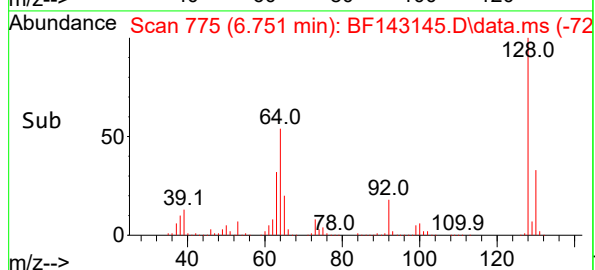
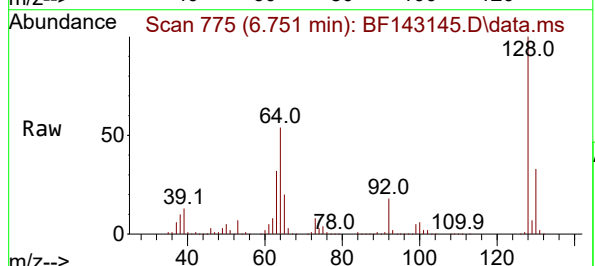
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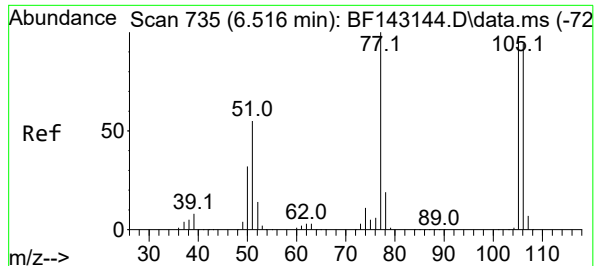
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#8
2-Chlorophenol
Concen: 51.652 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

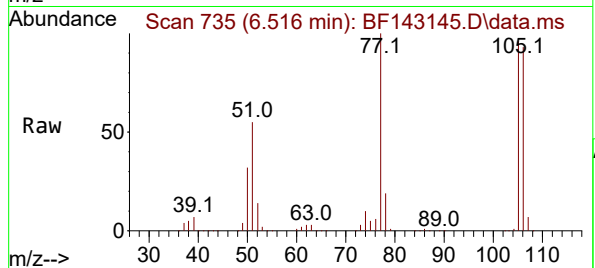
Tgt Ion:128 Resp: 493989
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 53.6 35.9 75.9





#9
Benzaldehyde
Concen: 59.162 ng
RT: 6.516 min Scan# 710
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

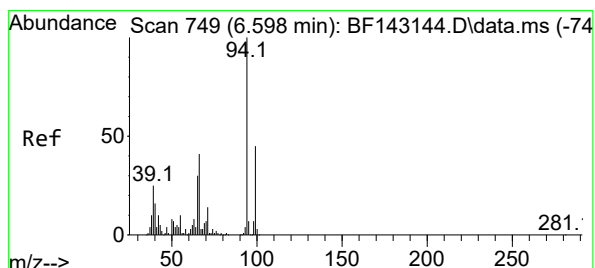
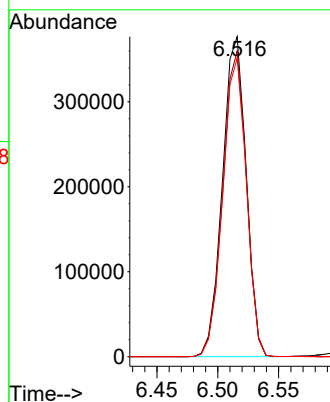
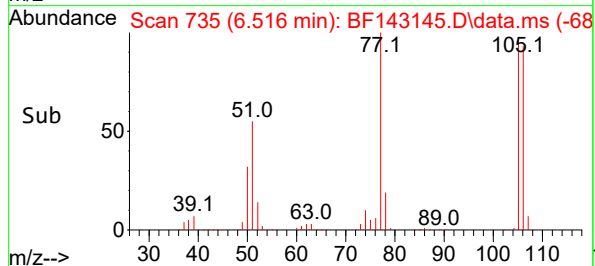
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 509470
Ion Ratio Lower Upper
77 100
105 95.5 76.8 116.8
106 93.3 74.4 114.4

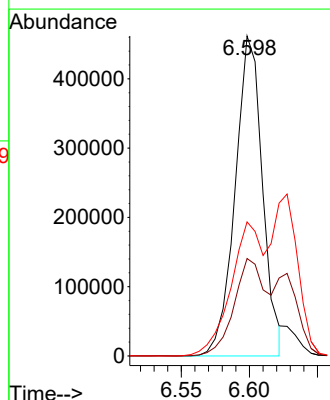
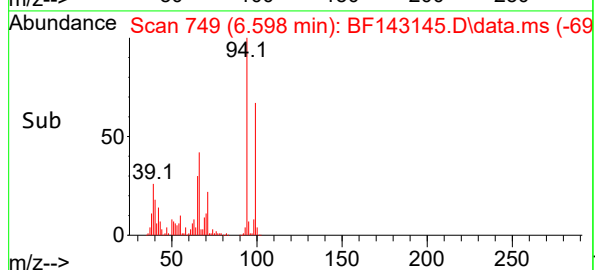
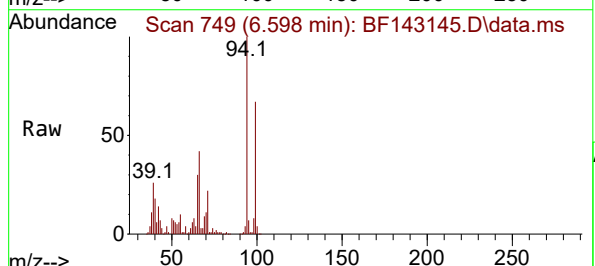
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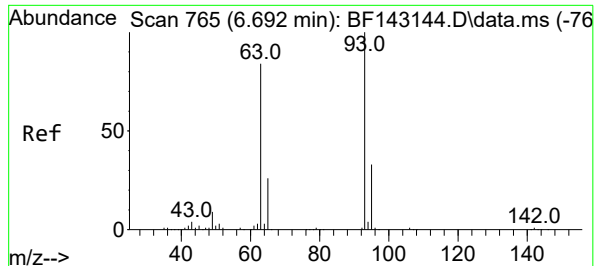
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#10
Phenol
Concen: 51.598 ng m
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 94 Resp: 645540
Ion Ratio Lower Upper
94 100
65 30.5 10.0 50.0
66 41.9 20.8 60.8





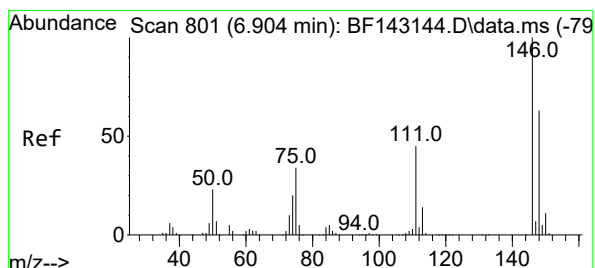
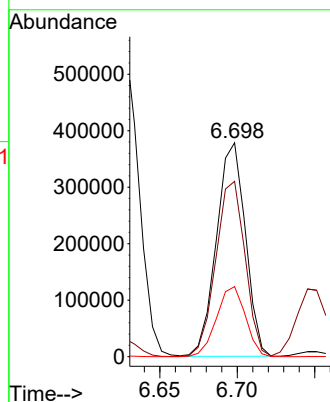
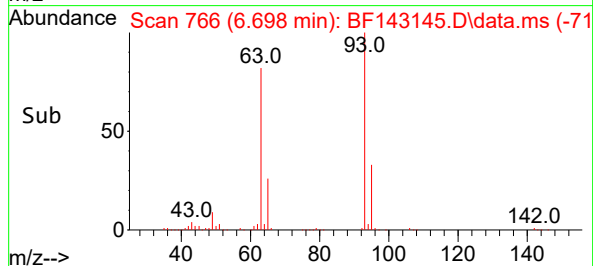
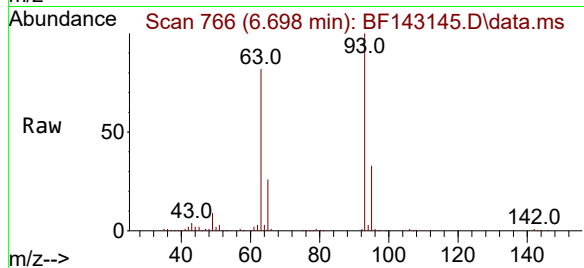
#11
bis(2-Chloroethyl)ether
Concen: 51.295 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 49137
Ion Ratio Lower Upper
93 100
63 82.0 63.4 103.4
95 32.8 12.4 52.4

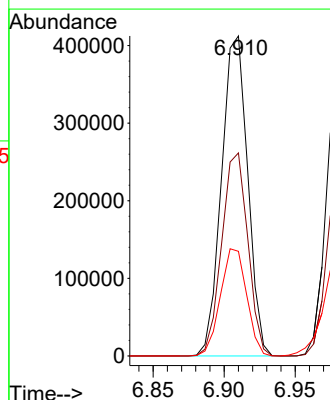
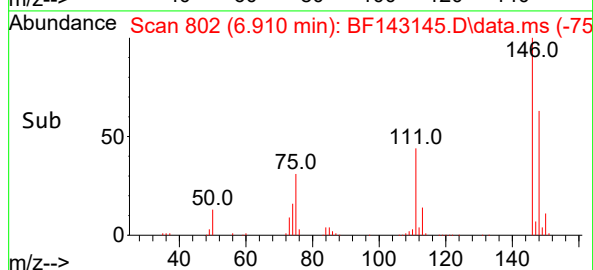
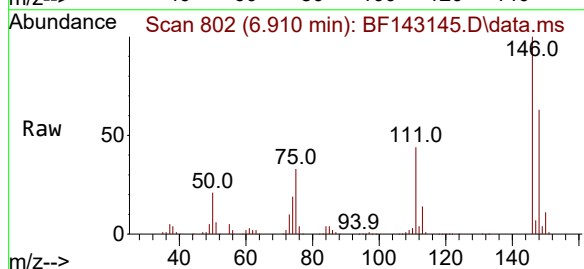
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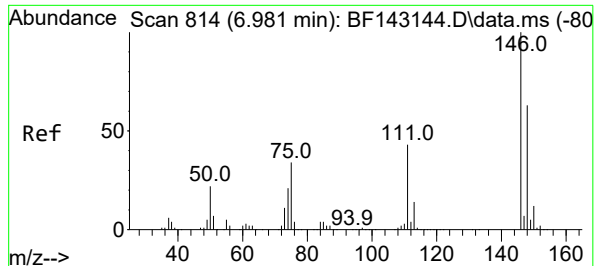
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 50.937 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:146 Resp: 529202
Ion Ratio Lower Upper
146 100
148 63.4 50.6 76.0
75 32.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 50.818 ng

RT: 6.981 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 531690

Ion Ratio Lower Upper

146 100

148 63.6 50.3 75.5

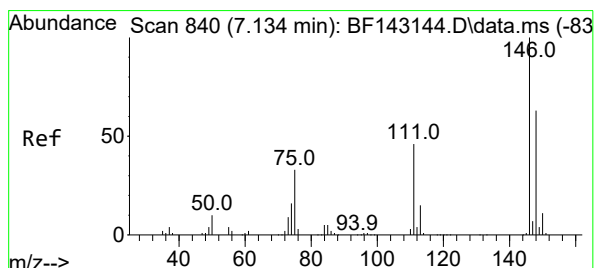
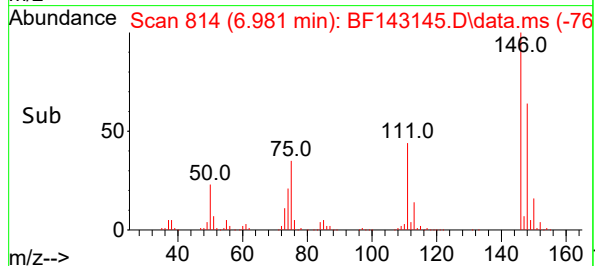
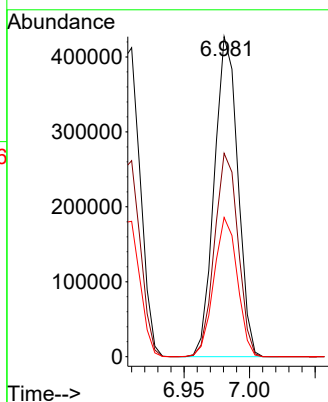
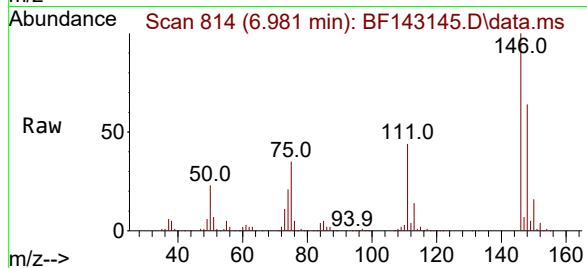
111 43.5 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 51.264 ng

RT: 7.134 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

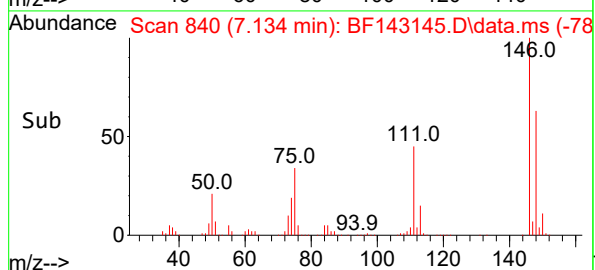
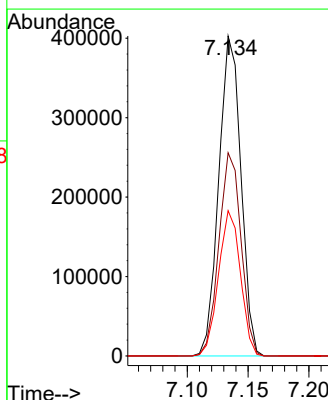
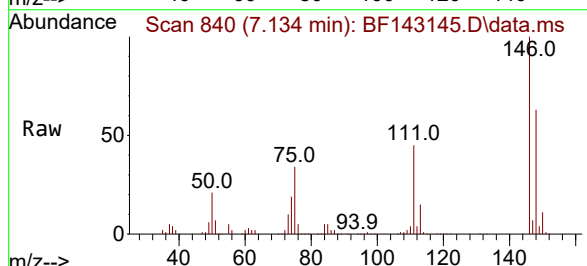
Tgt Ion:146 Resp: 510140

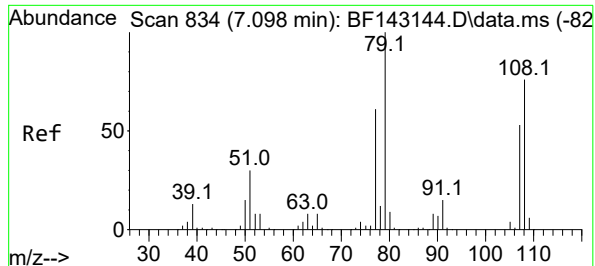
Ion Ratio Lower Upper

146 100

148 63.5 50.7 76.1

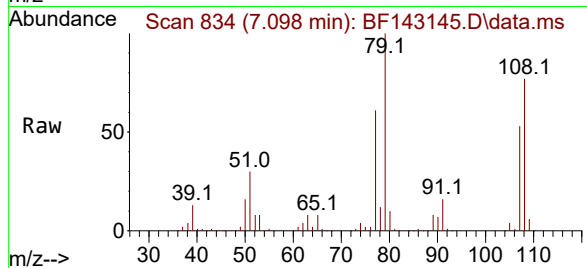
111 45.4 36.6 54.8





#15
Benzyl Alcohol
Concen: 52.616 ng
RT: 7.098 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

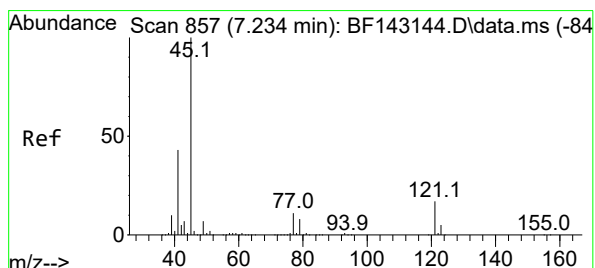
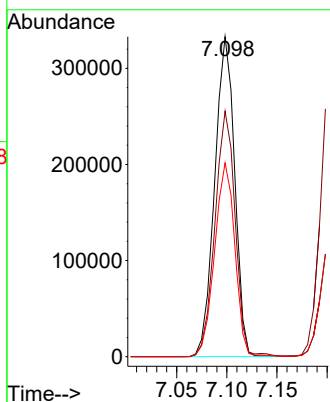
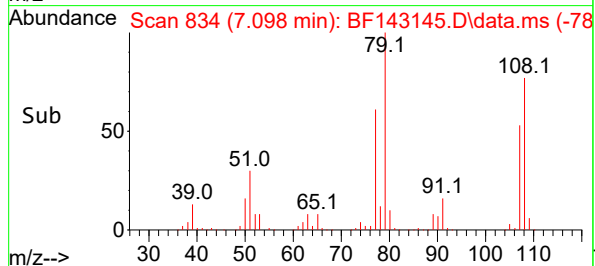
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 79 Resp: 461379
Ion Ratio Lower Upper
79 100
108 76.7 61.1 91.7
77 60.6 48.9 73.3

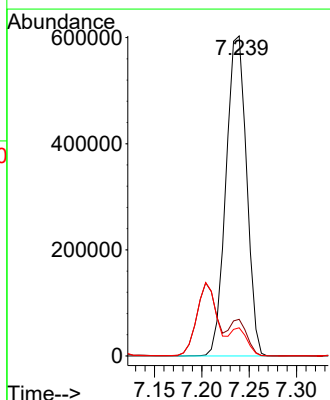
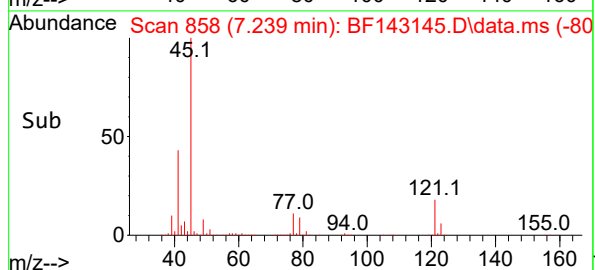
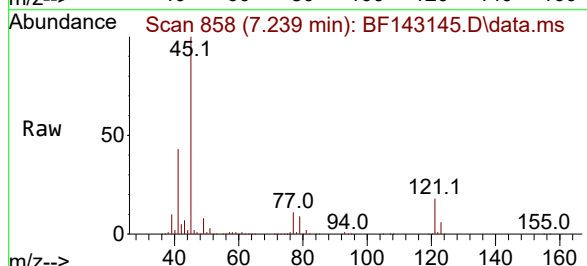
Manual Integrations
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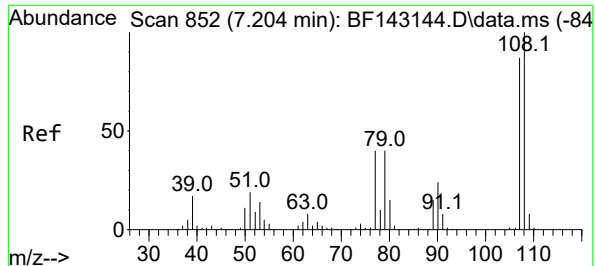
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#16
2,2'-oxybis(1-chloropropane)
Concen: 51.128 ng
RT: 7.239 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

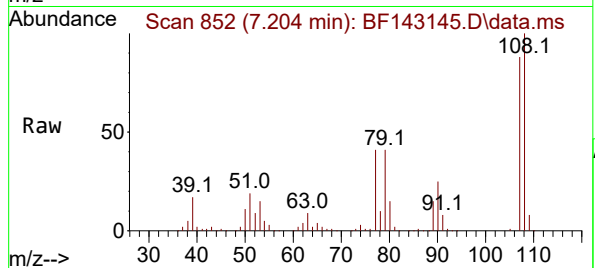
Tgt Ion: 45 Resp: 908530
Ion Ratio Lower Upper
45 100
77 11.4 0.0 31.2
79 8.8 0.0 28.5





#17
2-Methylphenol
Concen: 52.079 ng
RT: 7.204 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

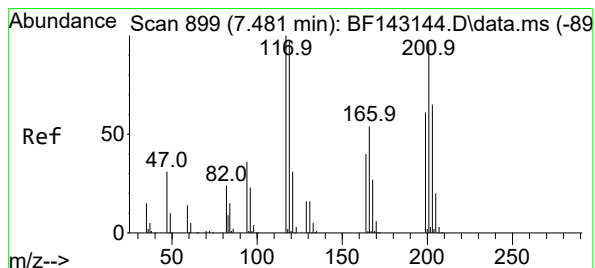
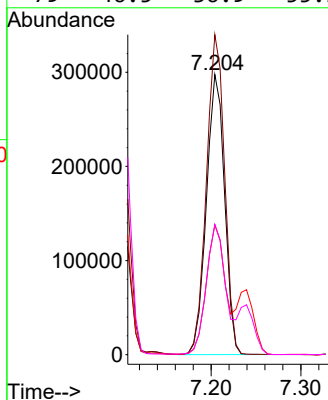
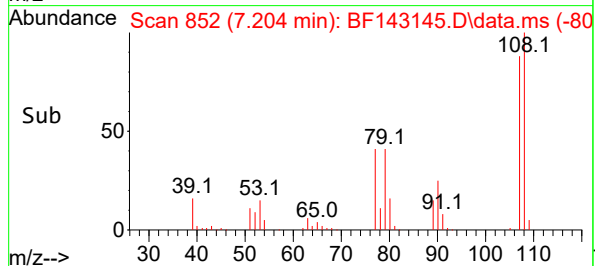
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:107 Resp: 41879
Ion Ratio Lower Upper
107 100
108 114.2 91.8 137.6
77 46.3 37.0 55.6
79 46.5 36.9 55.3

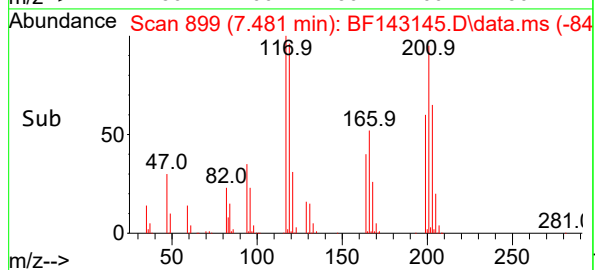
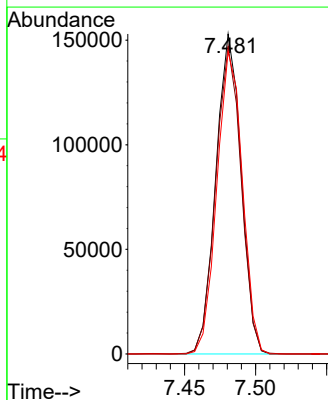
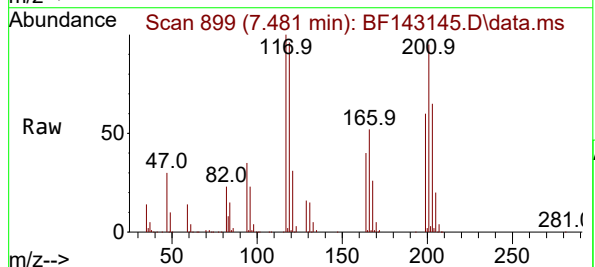
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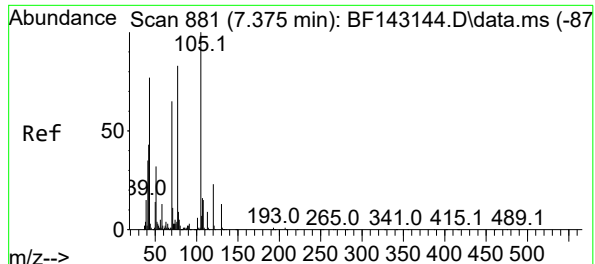
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 52.289 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

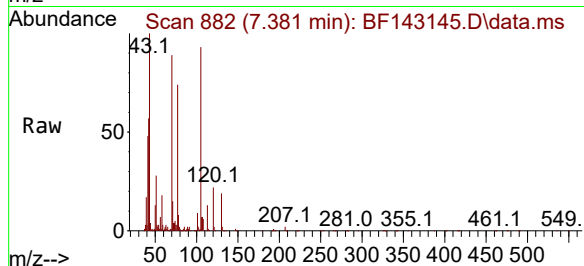
Tgt Ion:117 Resp: 189394
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8
201 94.5 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 50.131 ng
RT: 7.381 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

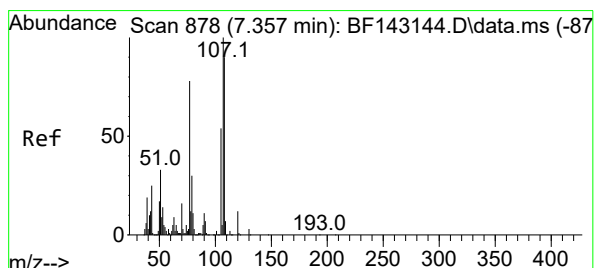
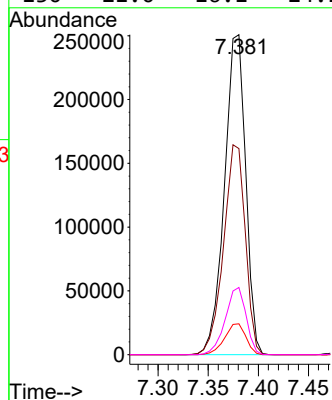
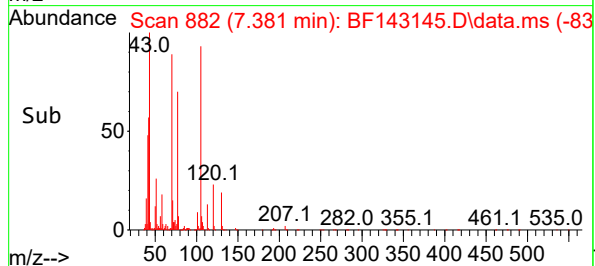
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 70 Resp: 36936
Ion Ratio Lower Upper
70 100
42 64.4 52.5 78.7
101 9.7 7.6 11.4
130 21.0 16.1 24.1

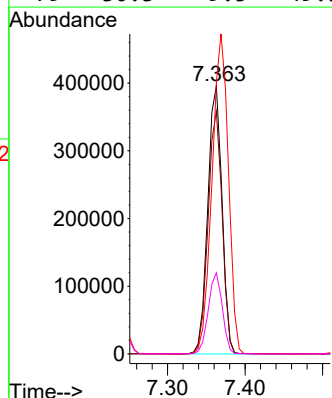
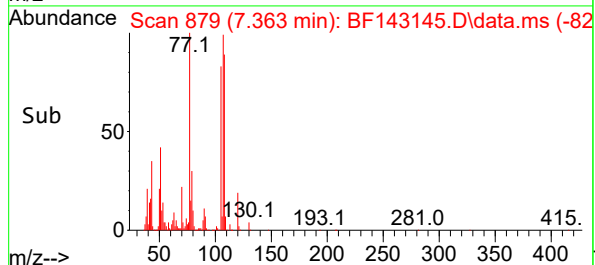
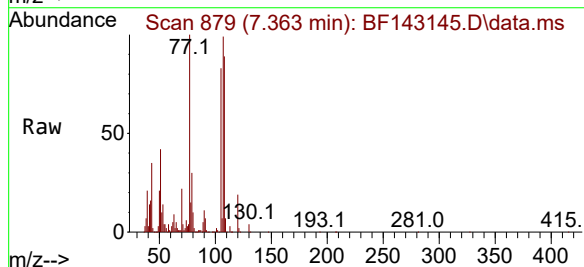
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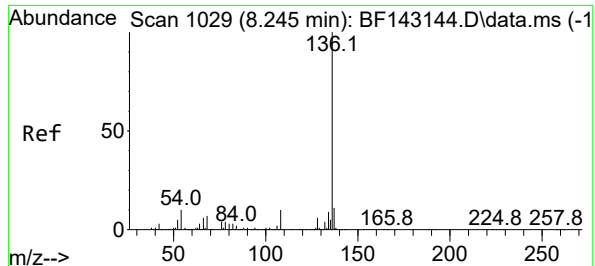
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#20
3+4-Methylphenols
Concen: 51.870 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

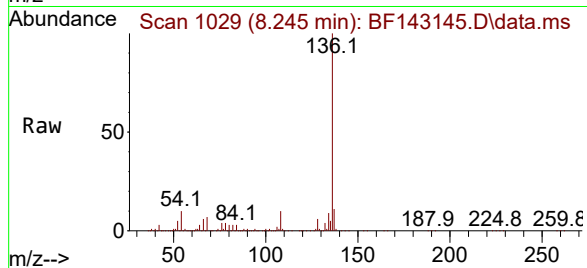
Tgt Ion:107 Resp: 506069
Ion Ratio Lower Upper
107 100
108 90.7 70.0 110.0
77 101.5 57.8 97.8#
79 30.3 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

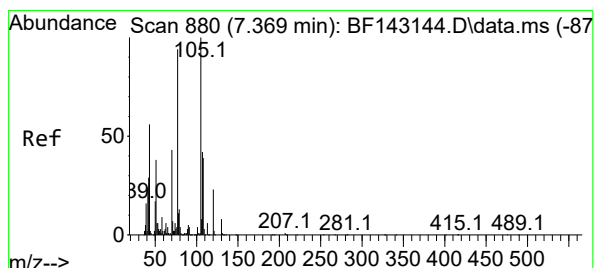
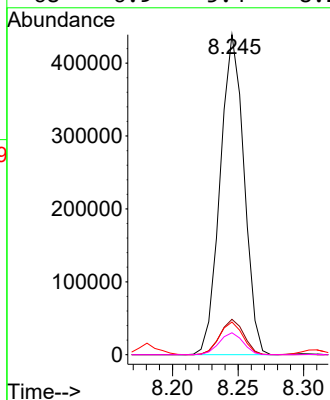
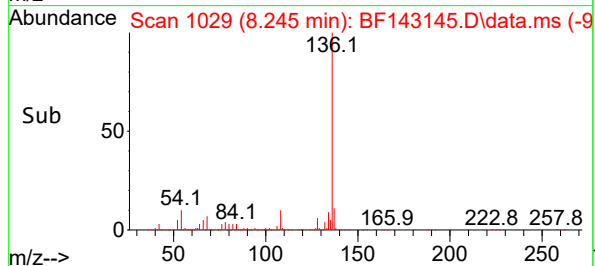
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:136 Resp: 555530
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.2 8.2 12.2
68 6.9 5.4 8.2

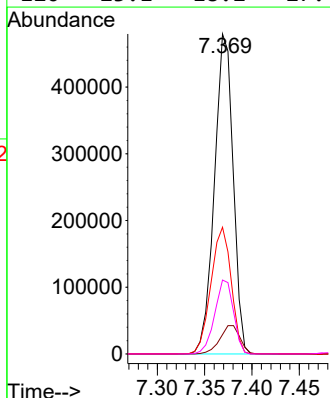
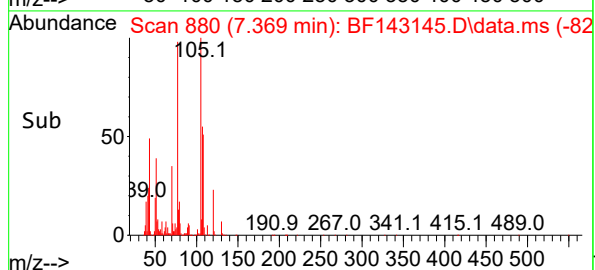
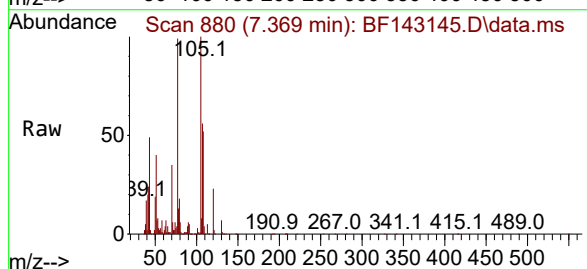
Manual Integrations
APPROVED

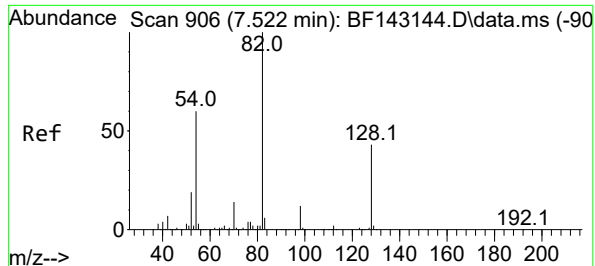
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 50.258 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:105 Resp: 661017
Ion Ratio Lower Upper
105 100
71 6.0 5.8 8.6
51 39.6 30.2 45.2
120 23.1 18.2 27.4





#23

Nitrobenzene-d5

Concen: 103.949 ng

RT: 7.528 min Scan# 906

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1158494

Ion Ratio Lower Upper

82 100

128 43.5 33.6 50.4

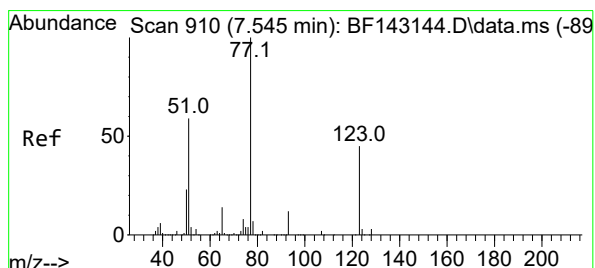
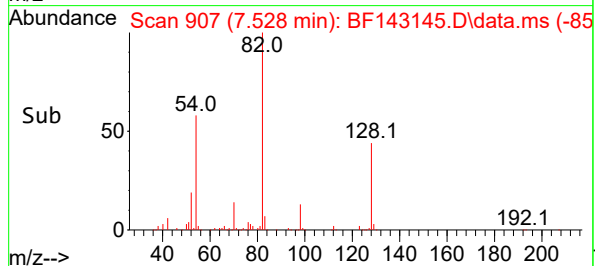
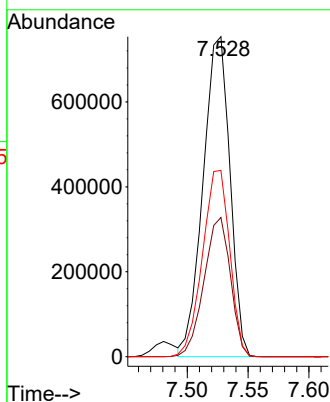
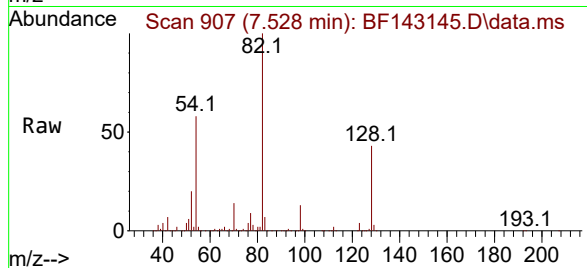
54 58.2 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 51.843 ng

RT: 7.545 min Scan# 910

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

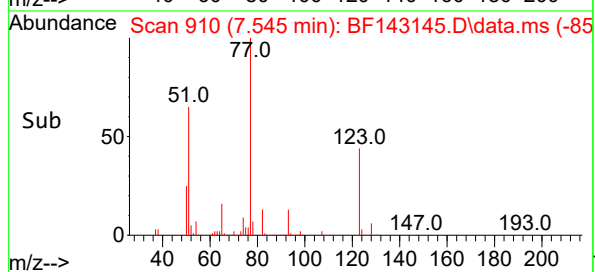
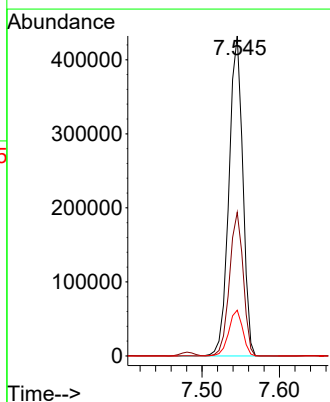
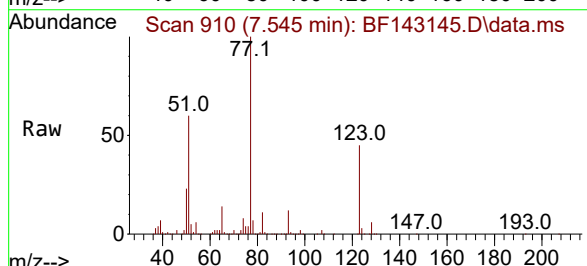
Tgt Ion: 77 Resp: 538666

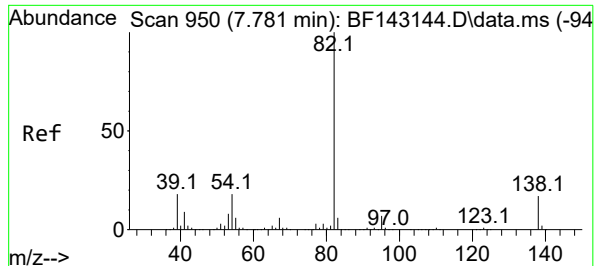
Ion Ratio Lower Upper

77 100

123 44.9 36.1 54.1

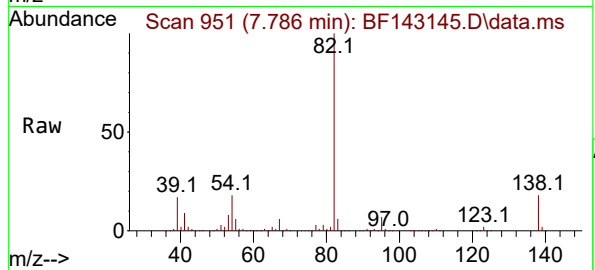
65 14.3 11.4 17.2





#25
Isophorone
Concen: 51.783 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

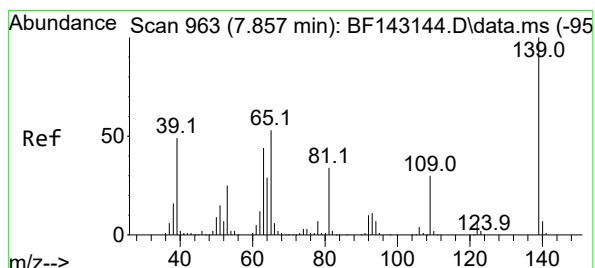
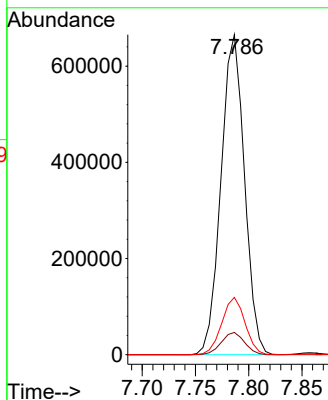
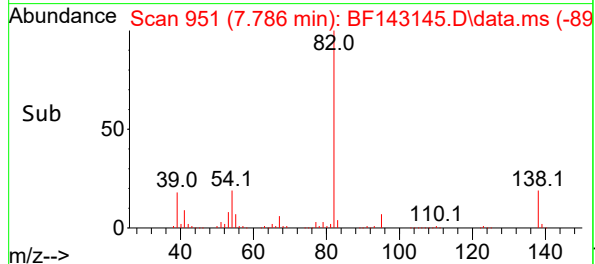
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 82 Resp: 101878
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.9 13.8 20.8

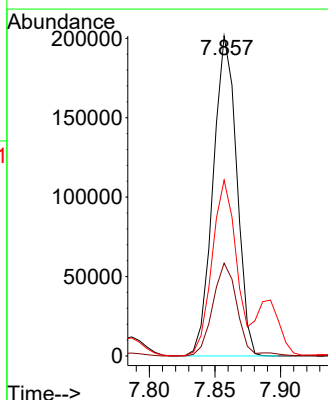
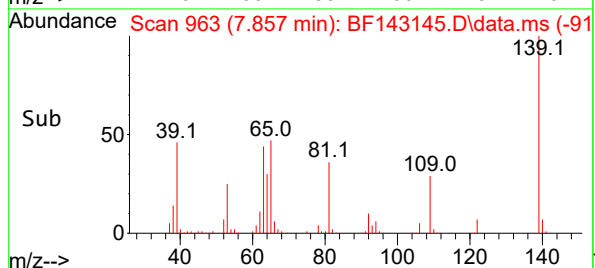
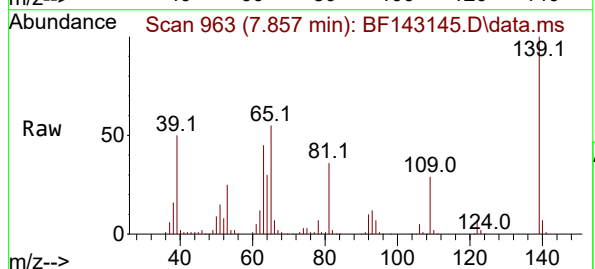
Manual Integrations
APPROVED

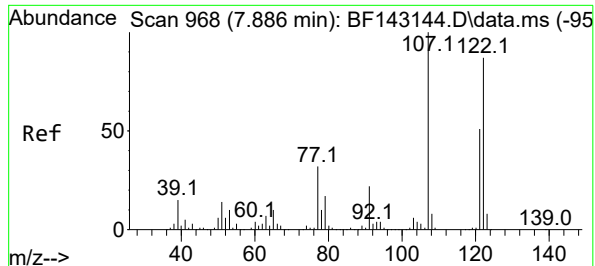
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 55.920 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:139 Resp: 252169
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 55.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 51.112 ng

RT: 7.892 min Scan# 968

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:122 Resp: 469819

Ion Ratio Lower Upper

122 100

107 114.3 91.8 137.6

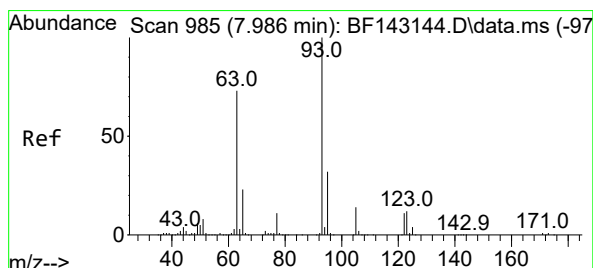
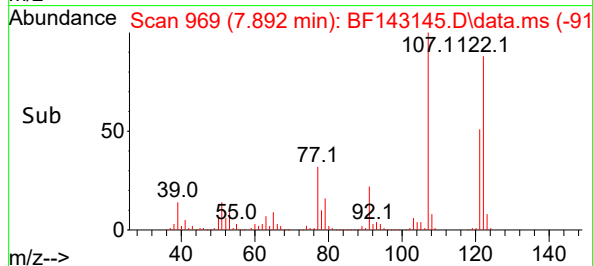
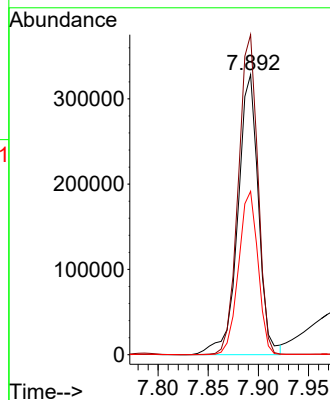
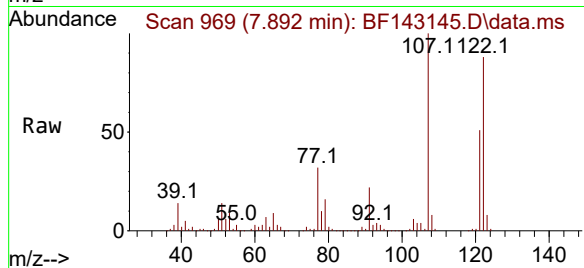
121 58.4 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 50.631 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

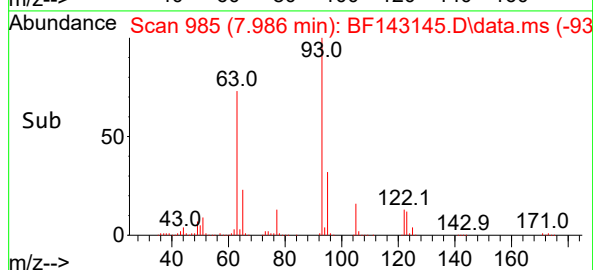
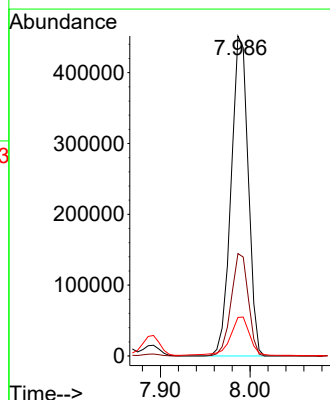
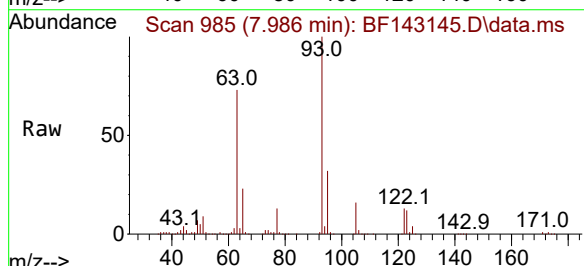
Tgt Ion: 93 Resp: 597241

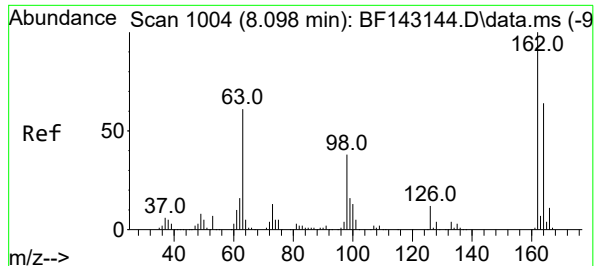
Ion Ratio Lower Upper

93 100

95 32.0 25.8 38.6

123 12.1 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 51.773 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143145.D

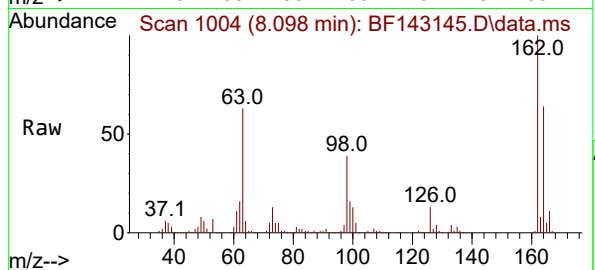
Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:162 Resp: 401330

Ion Ratio Lower Upper

162 100

164 64.0 44.2 84.2

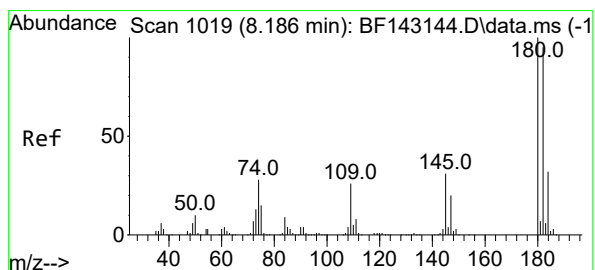
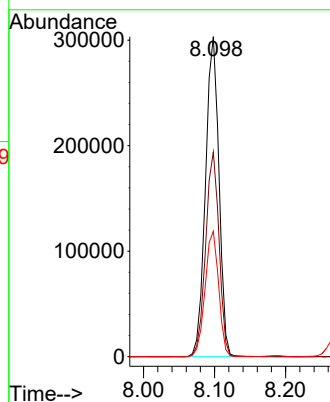
98 39.2 17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

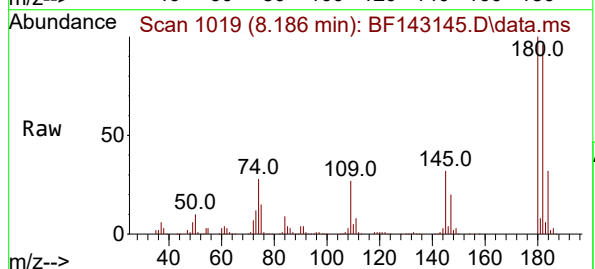
Concen: 50.242 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33



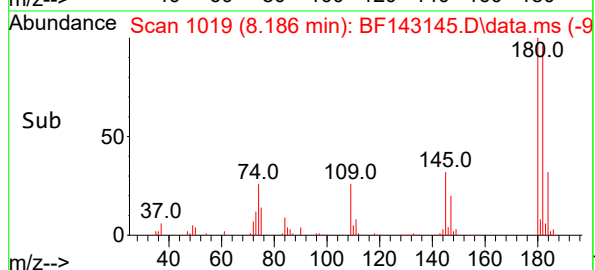
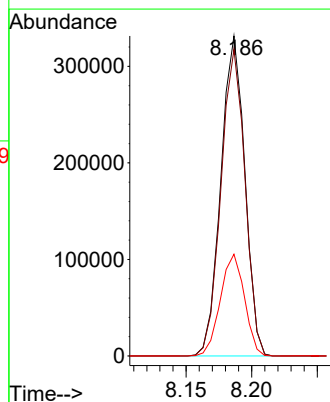
Tgt Ion:180 Resp: 420763

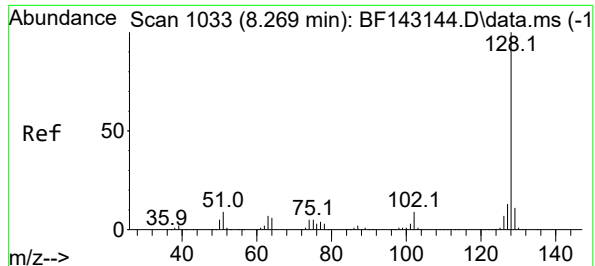
Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.2

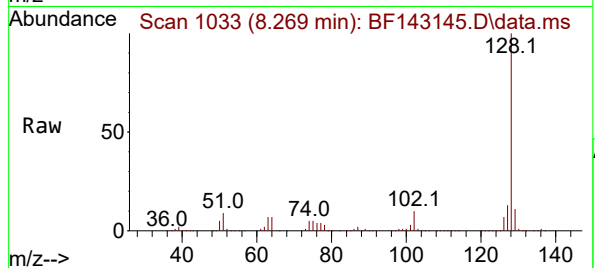
145 31.8 25.0 37.6





#31
Naphthalene
Concen: 50.060 ng
RT: 8.269 min Scan# 1033
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

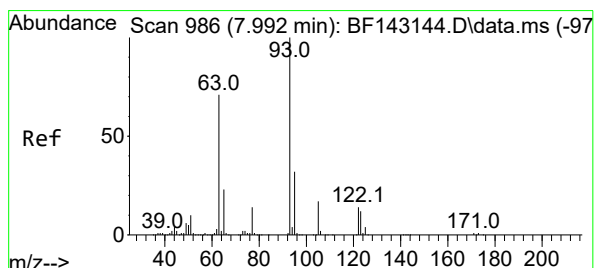
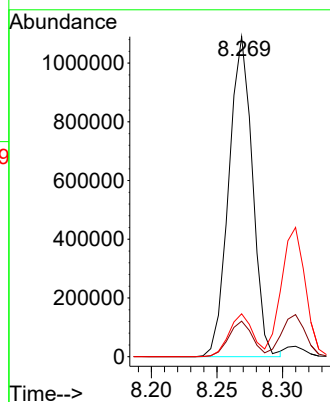
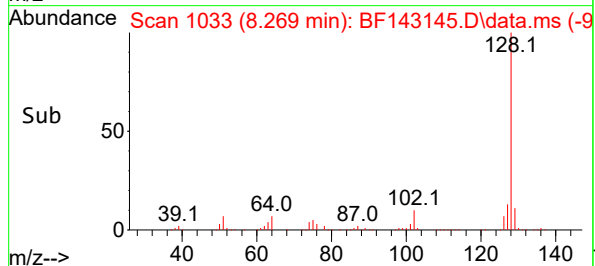
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:128 Resp: 136962
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.4 10.6 16.0

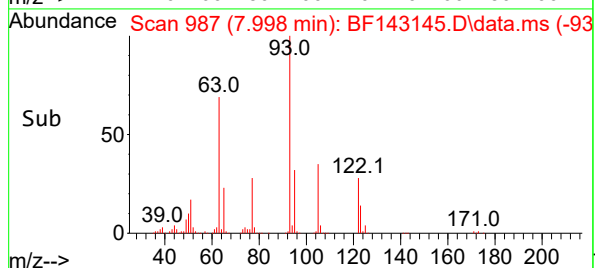
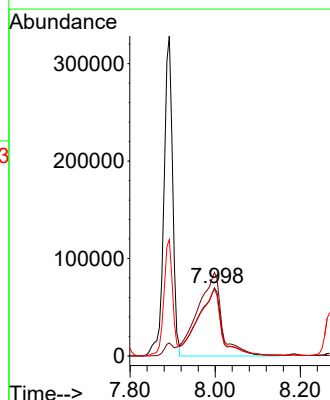
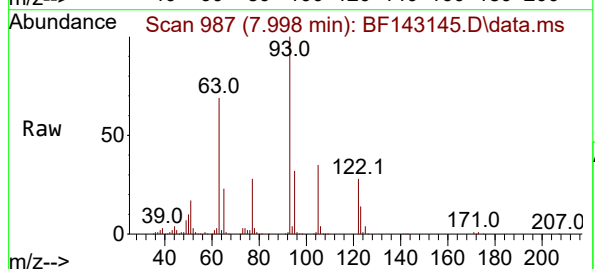
Manual Integrations
APPROVED

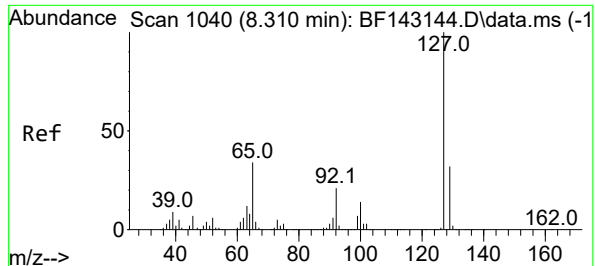
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 52.352 ng m
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

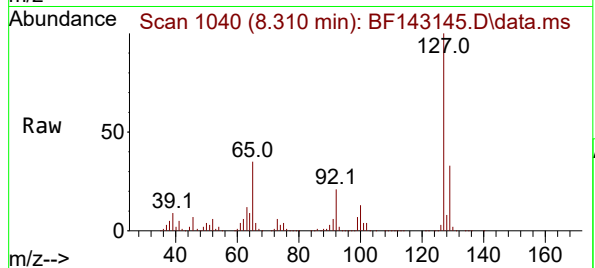
Tgt Ion:122 Resp: 273361
Ion Ratio Lower Upper
122 100
105 123.0 104.8 144.8
77 98.4 77.6 117.6





#33
4-Chloroaniline
Concen: 50.703 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

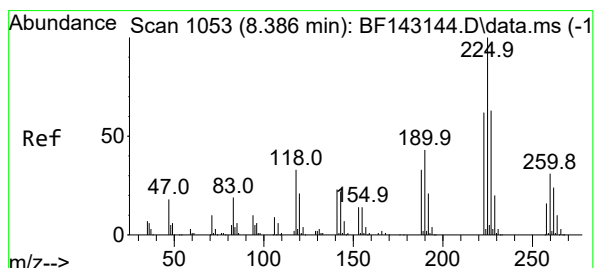
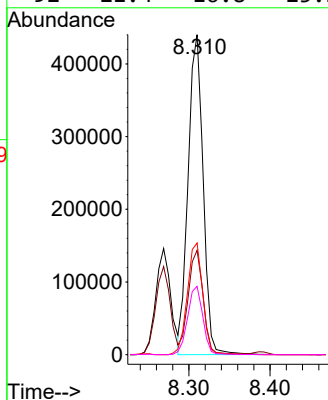
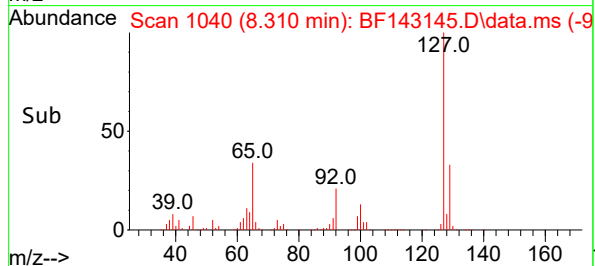
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



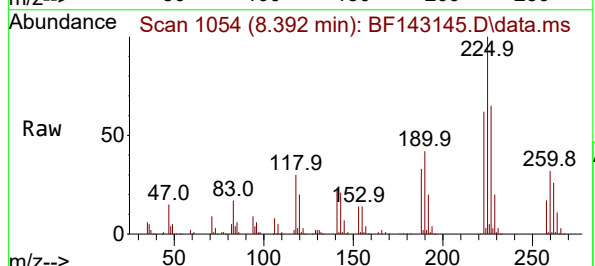
Tgt Ion:127 Resp: 56642
Ion Ratio Lower Upper
127 100
129 32.6 26.0 39.0
65 34.9 27.4 41.2
92 21.4 16.8 25.2

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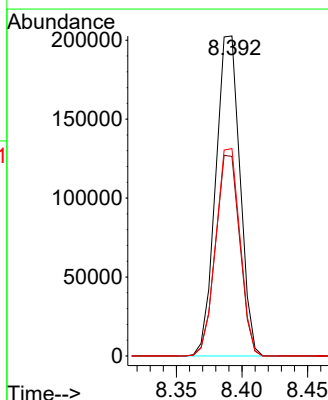
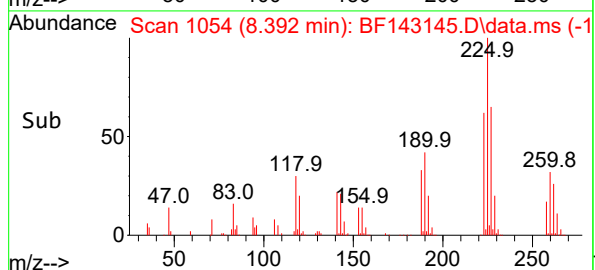
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

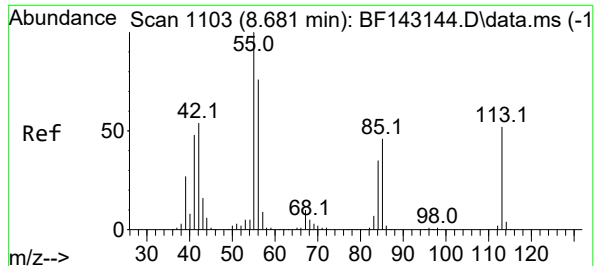


#34
Hexachlorobutadiene
Concen: 50.976 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



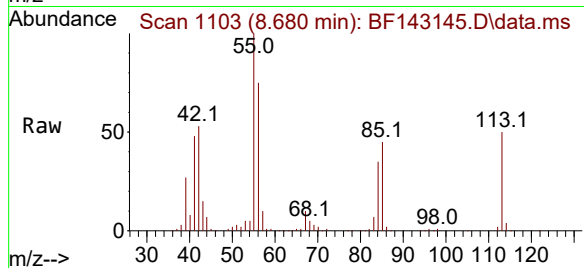
Tgt Ion:225 Resp: 260787
Ion Ratio Lower Upper
225 100
223 62.3 49.8 74.6
227 64.8 50.2 75.4





#35
Caprolactam
Concen: 53.811 ng
RT: 8.680 min Scan# 1103
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

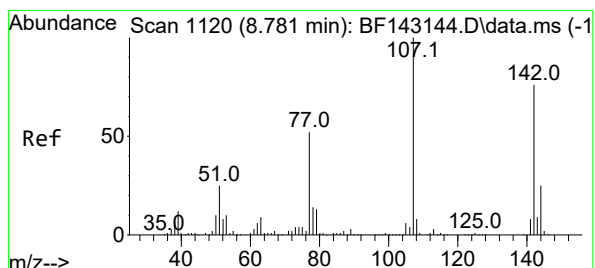
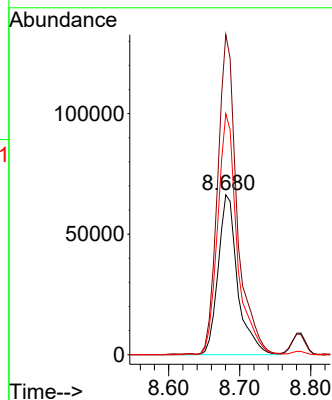
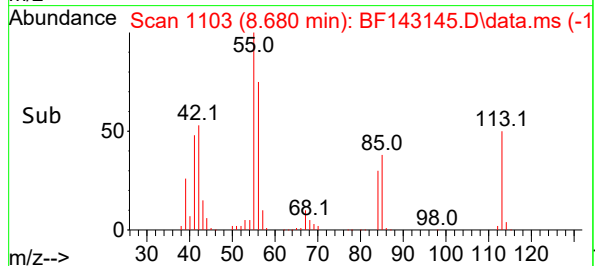
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:113 Resp: 126050
Ion Ratio Lower Upper
113 100
55 200.3 174.0 214.0
56 150.8 126.6 166.6

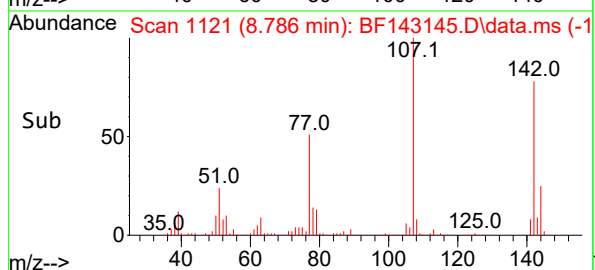
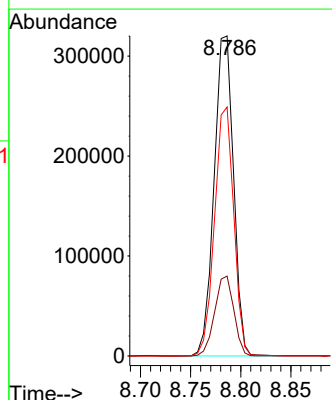
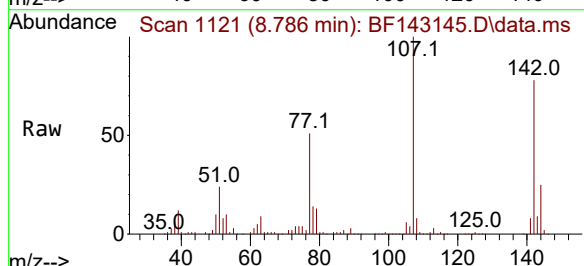
Manual Integrations
APPROVED

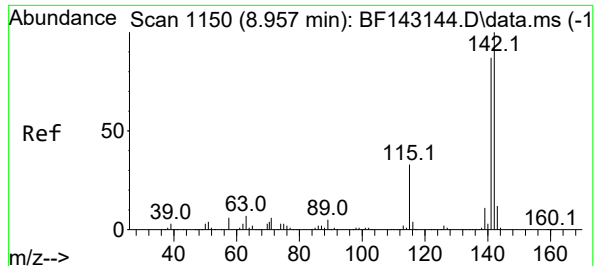
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 51.242 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

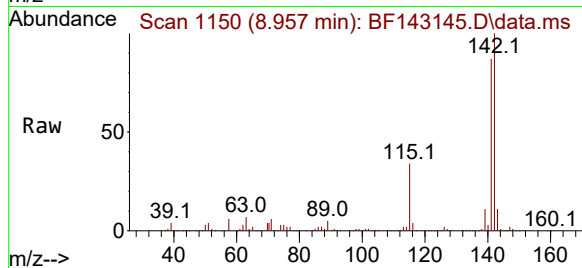
Tgt Ion:107 Resp: 431745
Ion Ratio Lower Upper
107 100
144 25.0 19.8 29.6
142 77.8 60.6 90.8





#37
2-Methylnaphthalene
Concen: 50.324 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

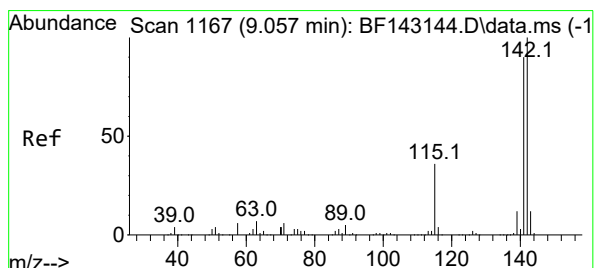
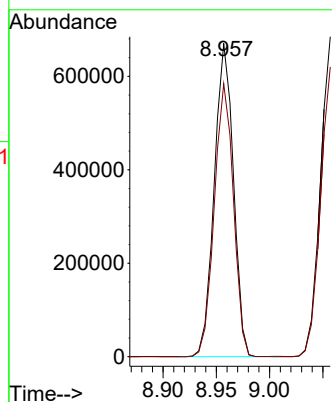
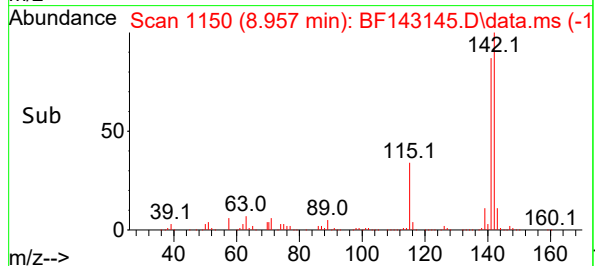
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:142 Resp: 837820
Ion Ratio Lower Upper
142 100
141 87.1 69.9 104.9

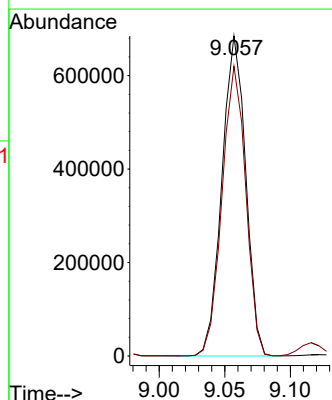
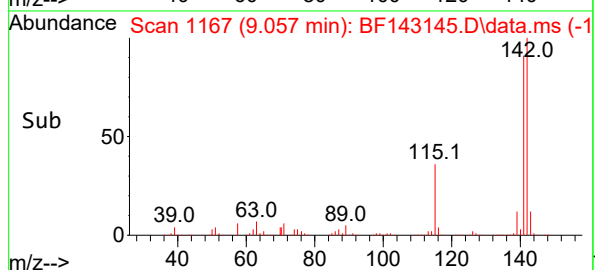
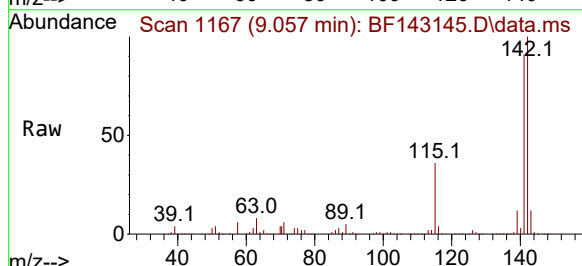
Manual Integrations
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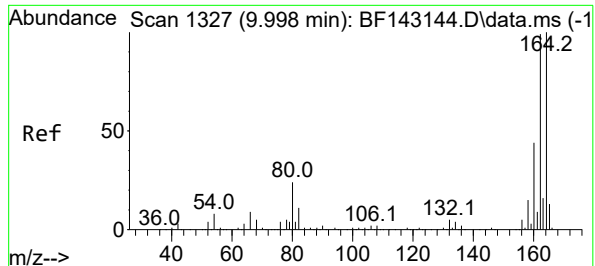
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 50.298 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:142 Resp: 862300
Ion Ratio Lower Upper
142 100
141 90.6 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143145.D

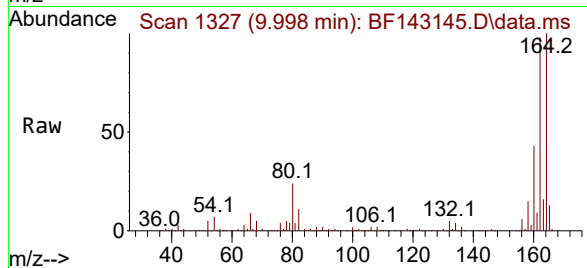
Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



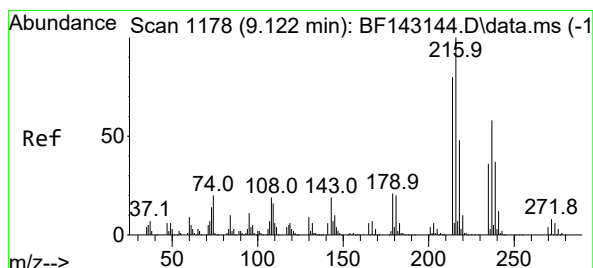
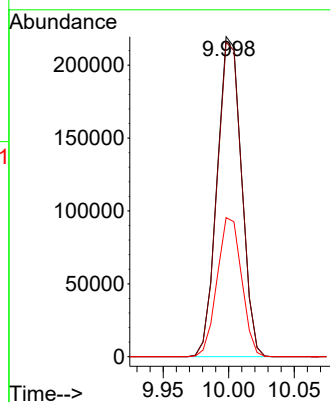
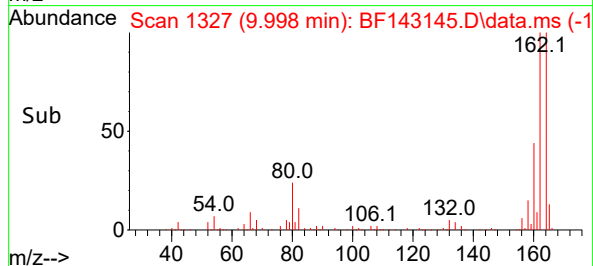
Tgt Ion:	164	Resp:	28365
Ion Ratio	Lower	Upper	
164	100		
162	98.3	79.0	118.6
160	43.5	35.1	52.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

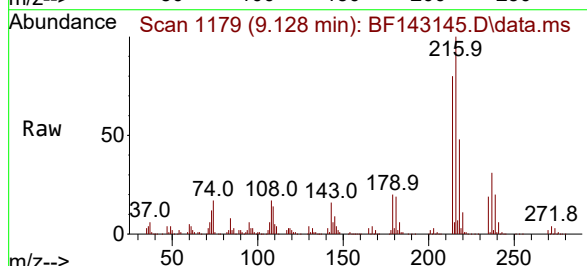
Concen: 50.420 ng

RT: 9.128 min Scan# 1179

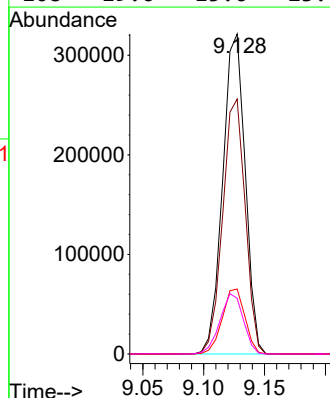
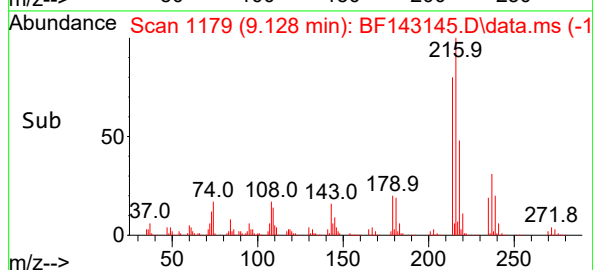
Delta R.T. 0.006 min

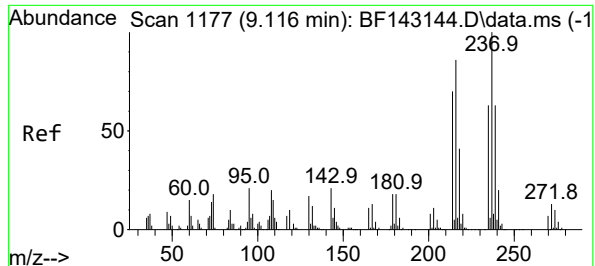
Lab File: BF143145.D

Acq: 17 Jul 2025 13:33



Tgt Ion:	216	Resp:	412916
Ion Ratio	Lower	Upper	
216	100		
214	79.7	63.8	95.8
179	20.5	16.4	24.6
108	19.6	15.6	23.4





#41

Hexachlorocyclopentadiene

Concen: 53.823 ng

RT: 9.116 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:237 Resp: 28680

Ion Ratio Lower Upper

237 100

235 63.9 43.0 83.0

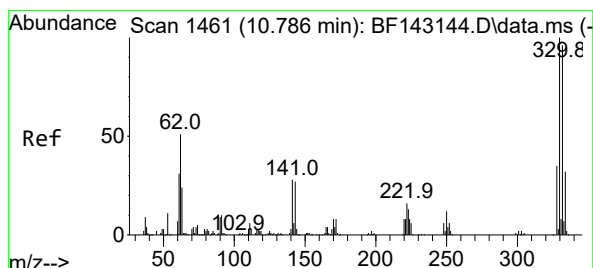
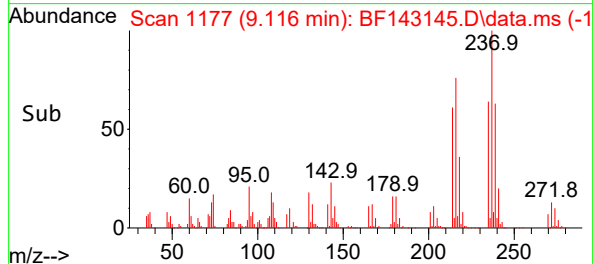
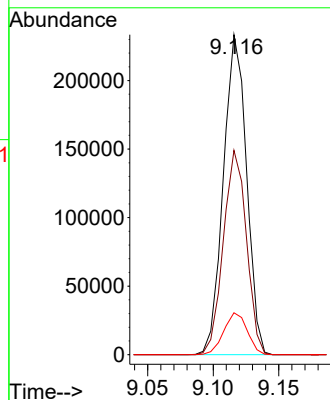
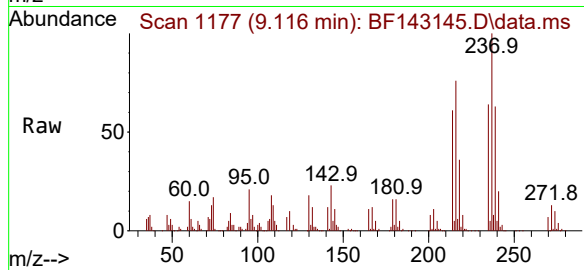
272 13.1 0.0 33.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 105.607 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

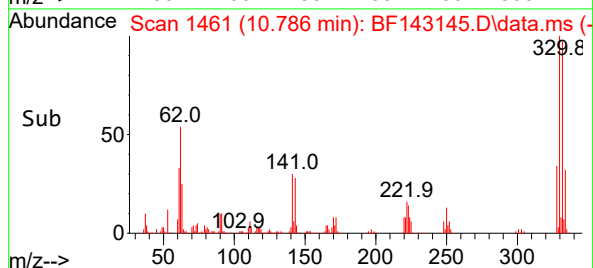
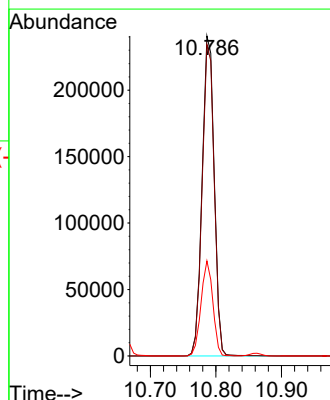
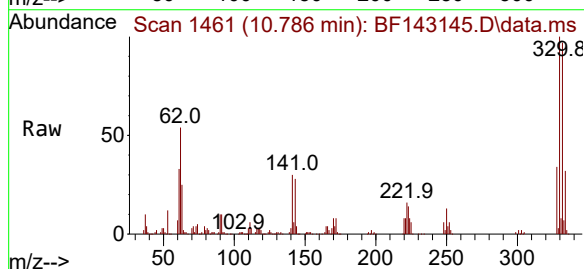
Tgt Ion:330 Resp: 309465

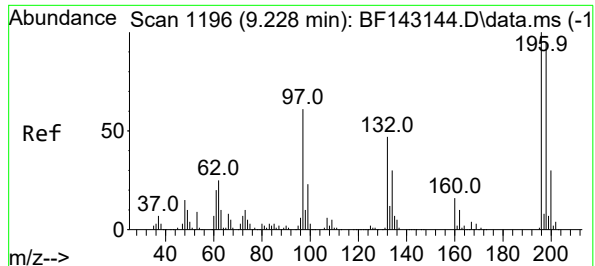
Ion Ratio Lower Upper

330 100

332 97.0 76.7 115.1

141 29.0 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 53.718 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF143145.D

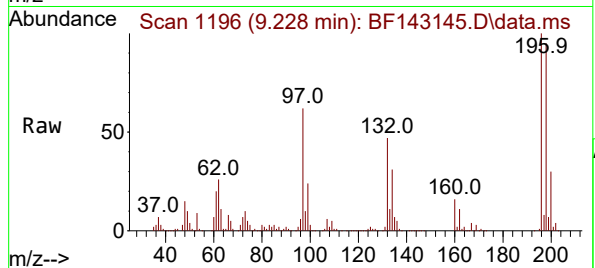
Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 304460

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

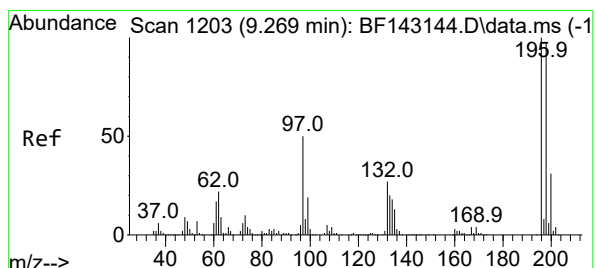
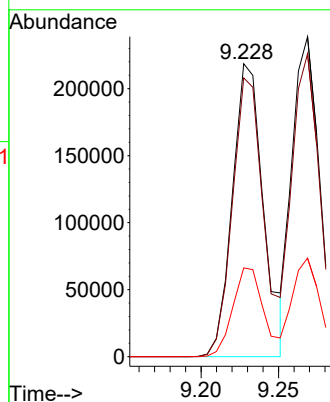
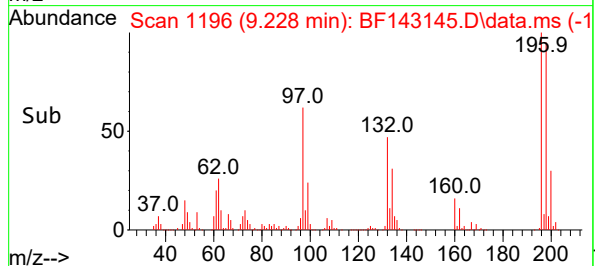
200 30.3 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

Concen: 51.434 ng

RT: 9.269 min Scan# 1203

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Tgt Ion:196 Resp: 291607

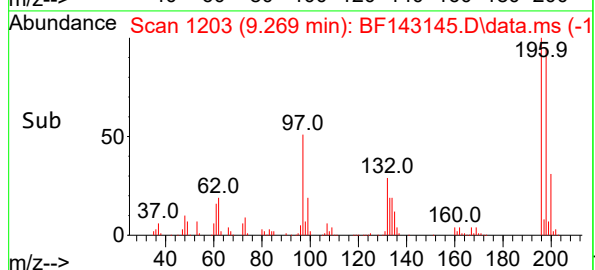
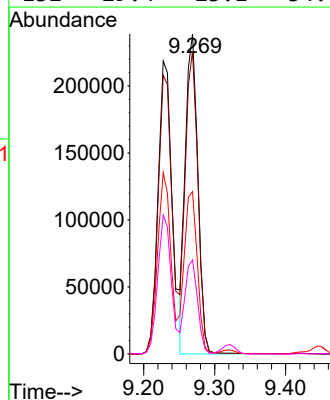
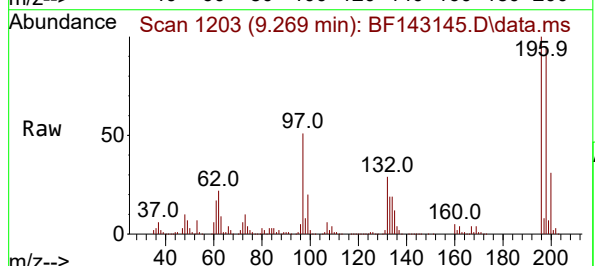
Ion Ratio Lower Upper

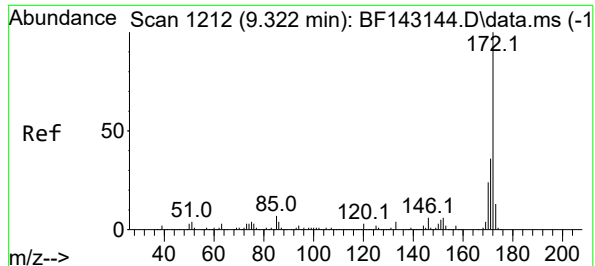
196 100

198 94.7 77.3 115.9

97 50.8 40.3 60.5

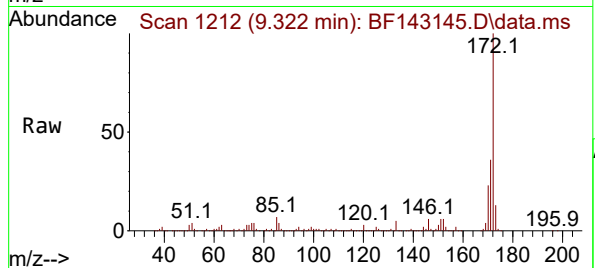
132 29.4 23.1 34.7





#45
2-Fluorobiphenyl
Concen: 96.712 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

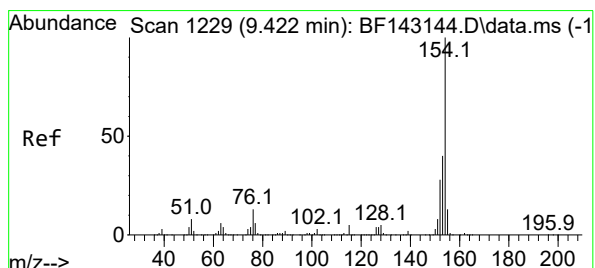
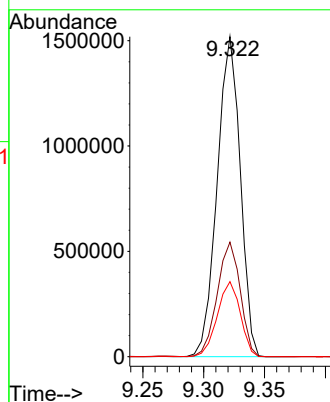
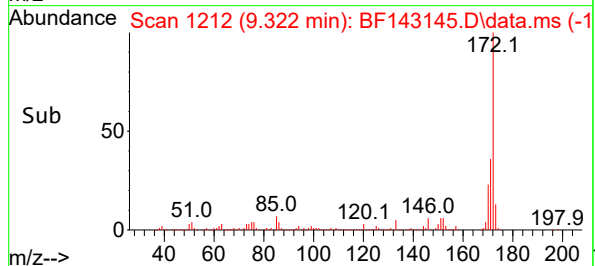
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:172 Resp: 2005894
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 23.5 18.8 28.2

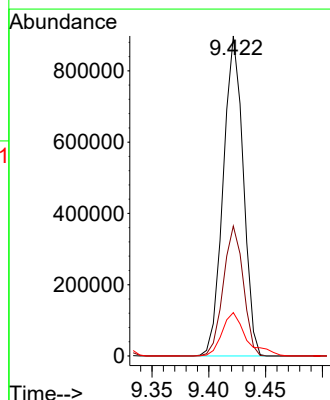
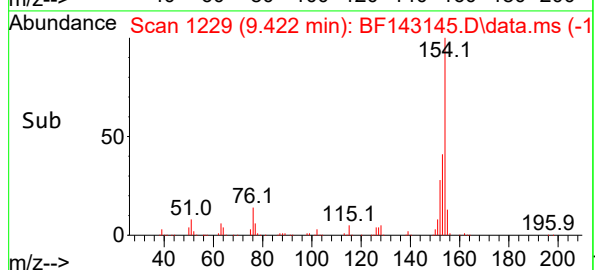
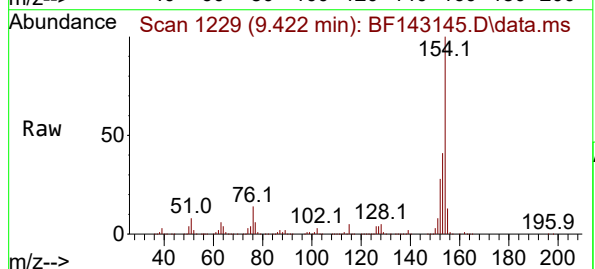
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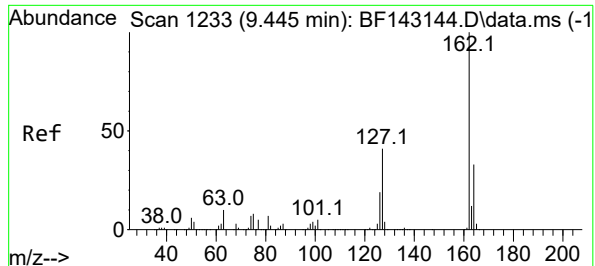
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#46
1,1'-Biphenyl
Concen: 49.764 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

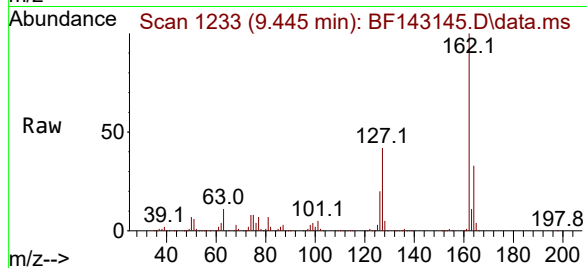
Tgt Ion:154 Resp: 1101317
Ion Ratio Lower Upper
154 100
153 40.6 20.3 60.3
76 13.5 0.0 33.3





#47
2-Chloronaphthalene
Concen: 50.488 ng
RT: 9.445 min Scan# 1233
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

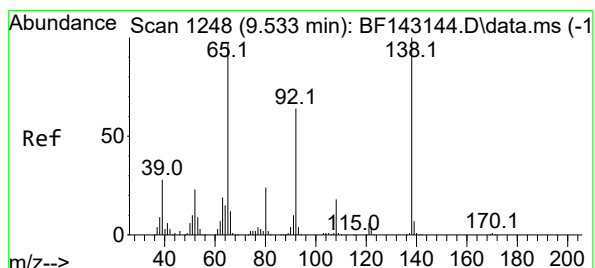
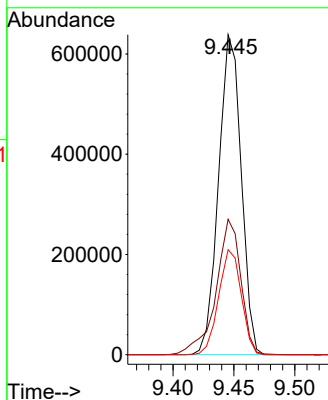
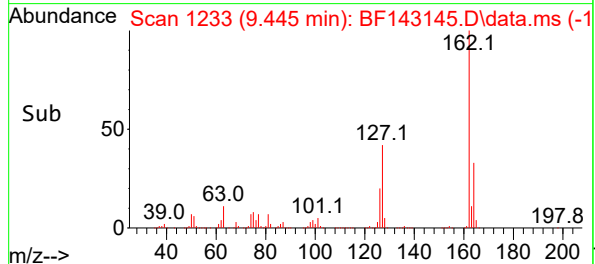
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:162 Resp: 826749
Ion Ratio Lower Upper
162 100
127 42.3 33.4 50.2
164 32.8 26.2 39.2

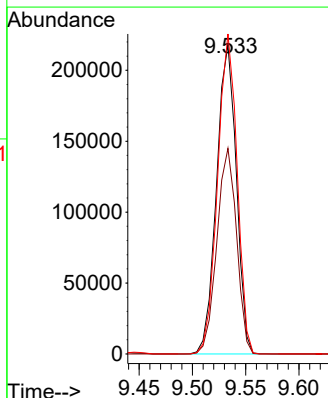
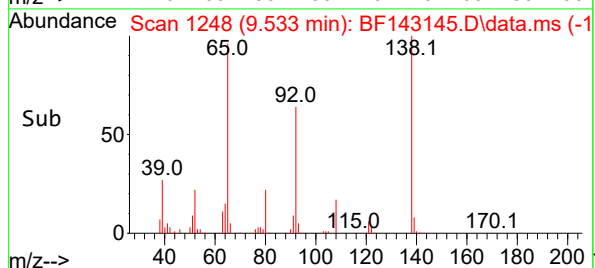
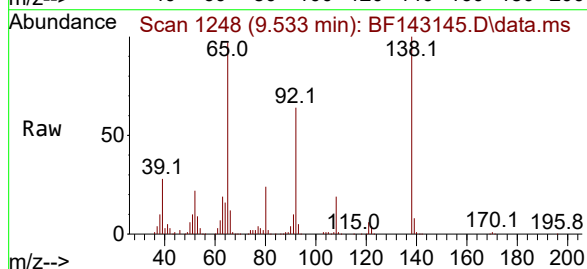
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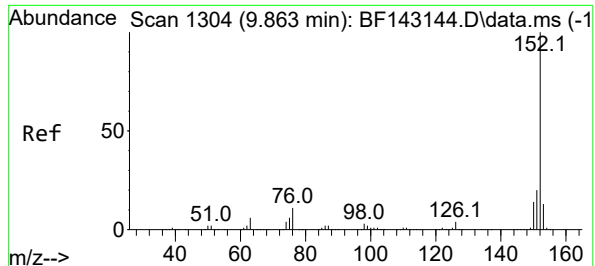
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#48
2-Nitroaniline
Concen: 54.736 ng
RT: 9.533 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 65 Resp: 281082
Ion Ratio Lower Upper
65 100
92 66.5 52.4 78.6
138 103.5 82.3 123.5





#49

Acenaphthylene

Concen: 50.605 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:152 Resp: 138872

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

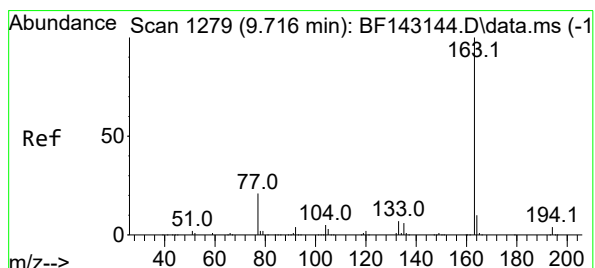
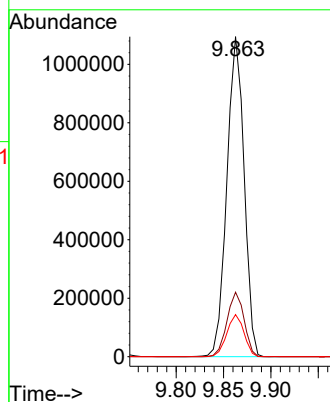
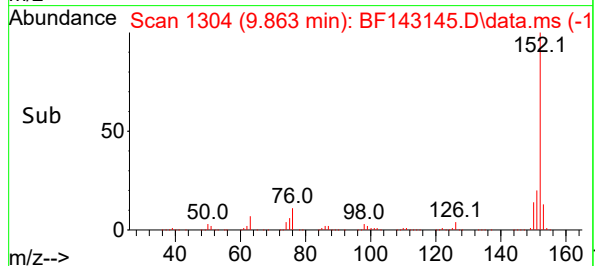
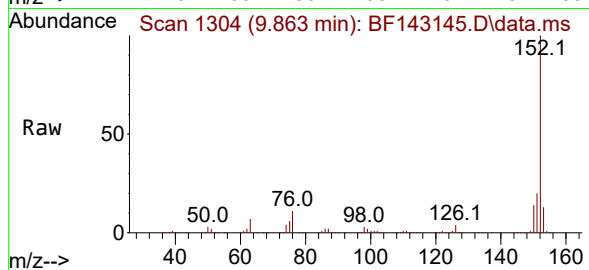
153 13.1 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

Concen: 50.832 ng

RT: 9.716 min Scan# 1279

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

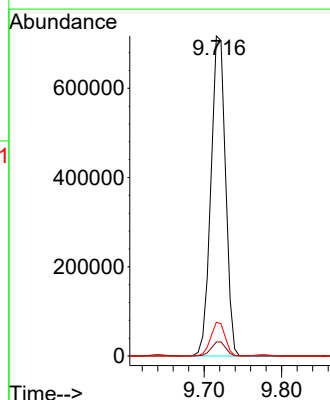
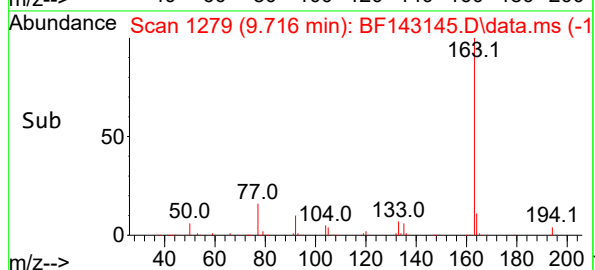
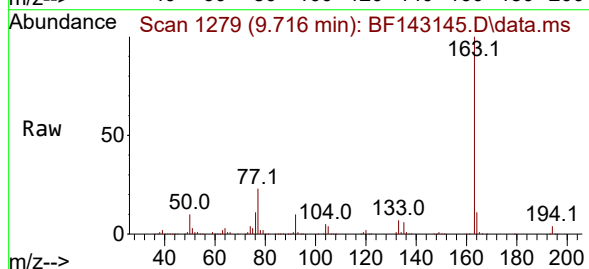
Tgt Ion:163 Resp: 939863

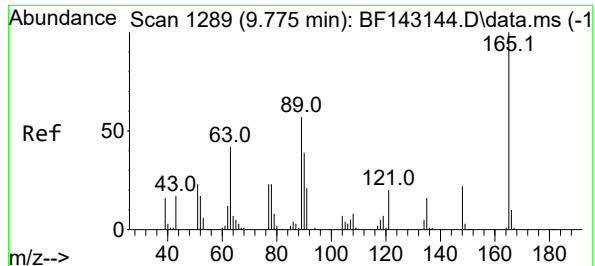
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

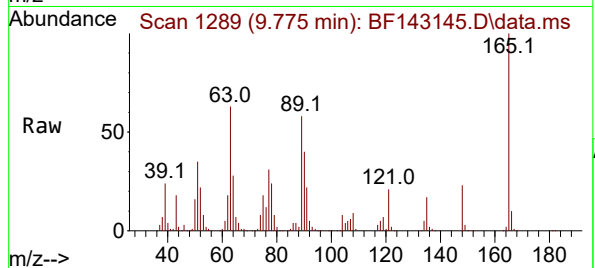
164 10.5 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 54.541 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

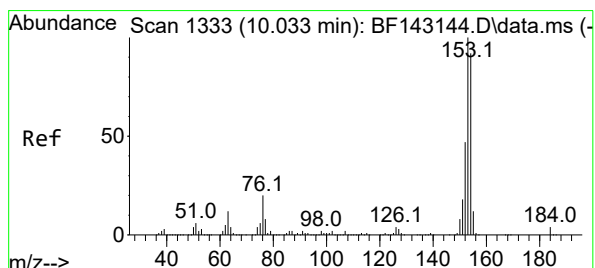
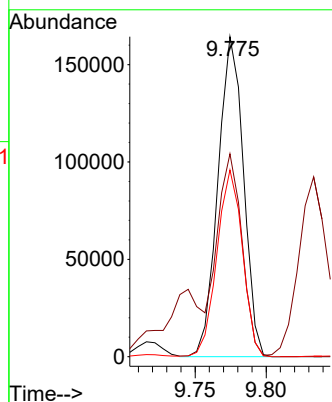
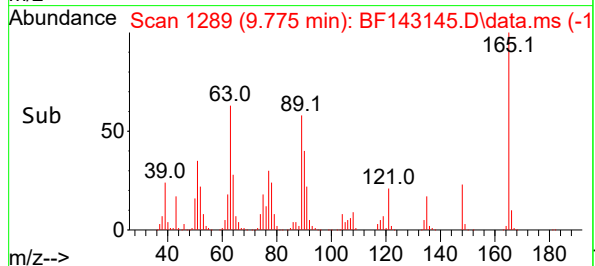
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 20514
Ion Ratio Lower Upper
165 100
63 63.4 49.4 74.2
89 58.4 46.2 69.2

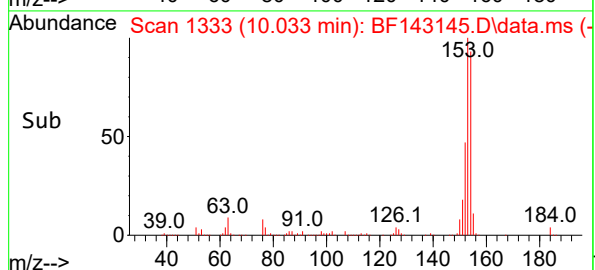
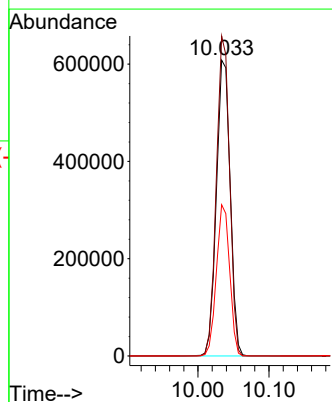
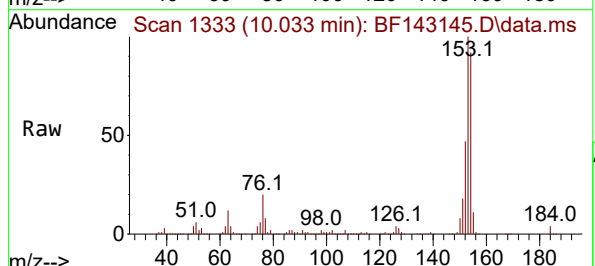
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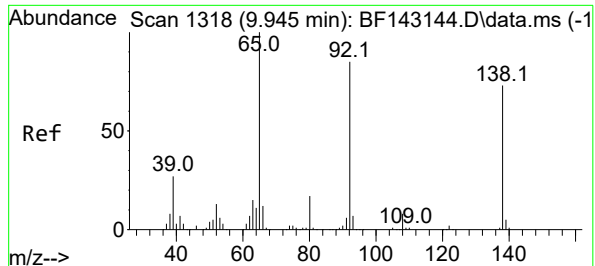
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 50.481 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:154 Resp: 818783
Ion Ratio Lower Upper
154 100
153 108.2 86.6 129.8
152 51.1 40.4 60.6





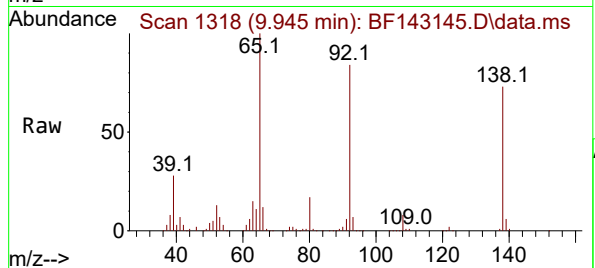
#53
3-Nitroaniline
Concen: 53.861 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

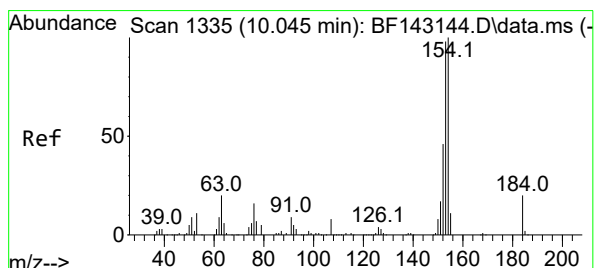
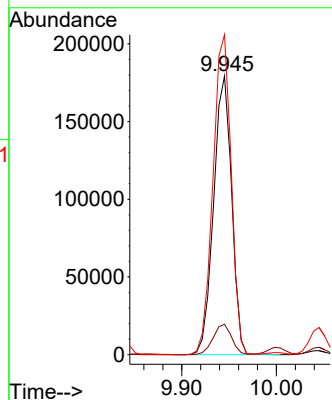
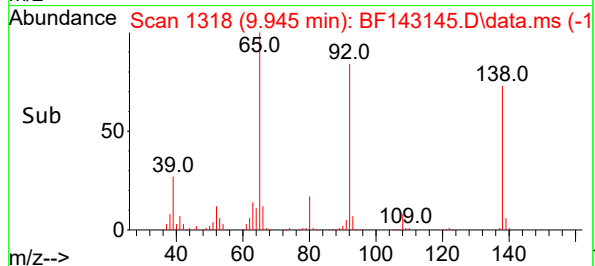


Tgt Ion:138 Resp: 236958
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.6
92 114.8 93.0 139.4

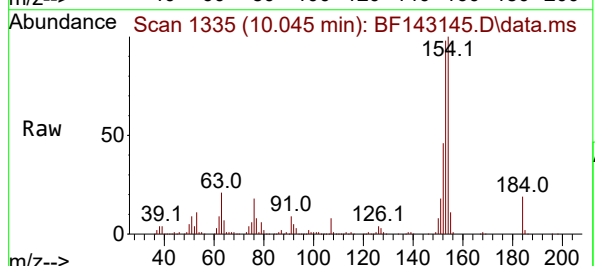
Manual Integrations

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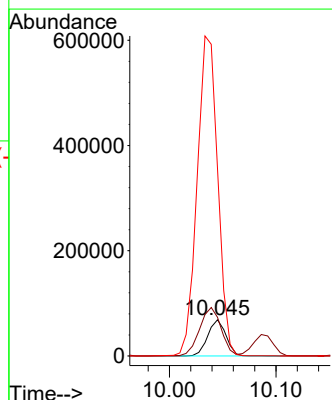
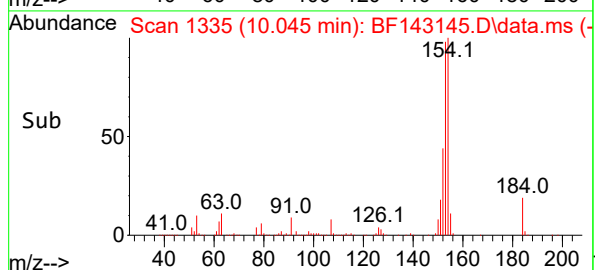
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

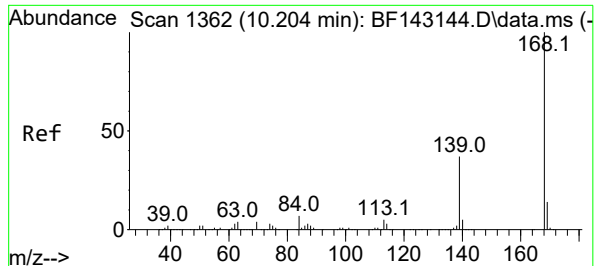


#54
2,4-Dinitrophenol
Concen: 50.750 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



Tgt Ion:184 Resp: 81983
Ion Ratio Lower Upper
184 100
63 106.9 81.8 122.6
154 519.2 412.2 618.4





#55

Dibenzenofuran

Concen: 50.001 ng

RT: 10.204 min Scan# 1362

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:168 Resp: 1204088

Ion Ratio Lower Upper

168 100

139 37.4 29.5 44.3

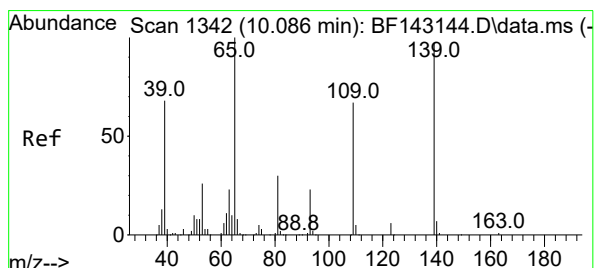
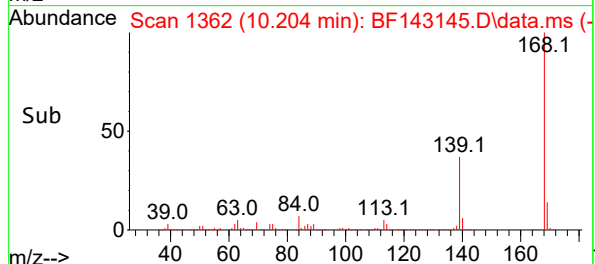
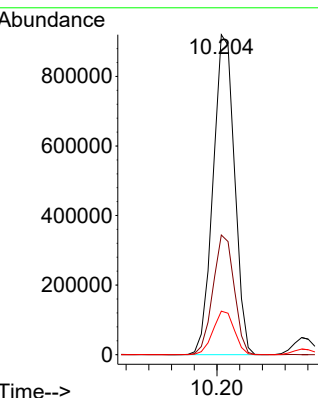
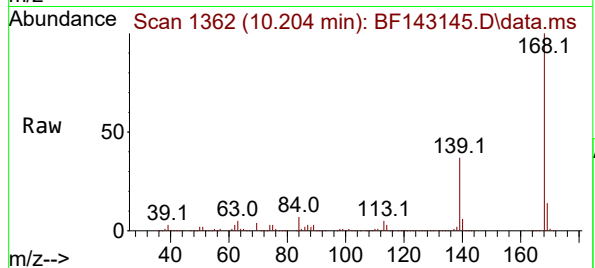
169 13.6 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#56

4-Nitrophenol

Concen: 54.001 ng

RT: 10.086 min Scan# 1342

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

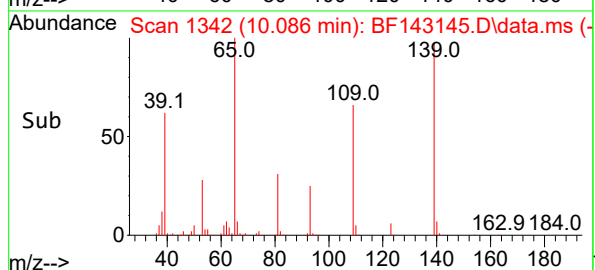
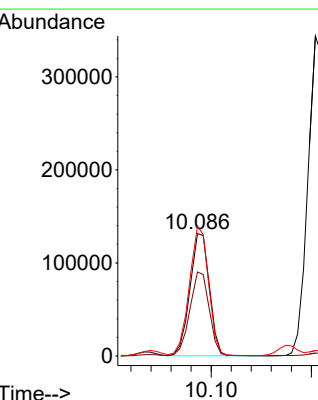
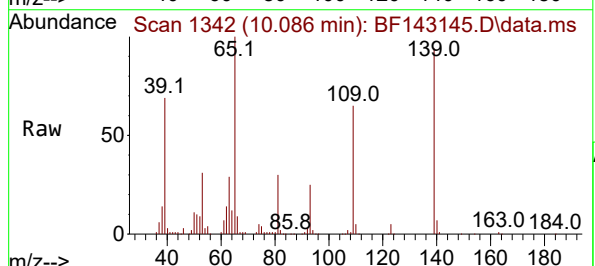
Tgt Ion:139 Resp: 177408

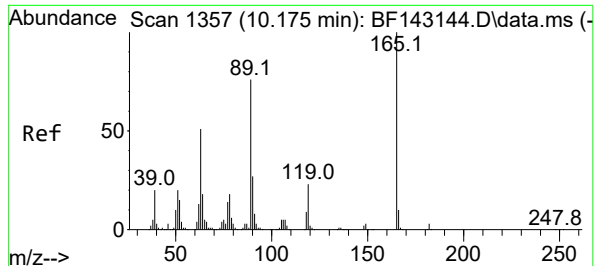
Ion Ratio Lower Upper

139 100

109 68.7 48.5 88.5

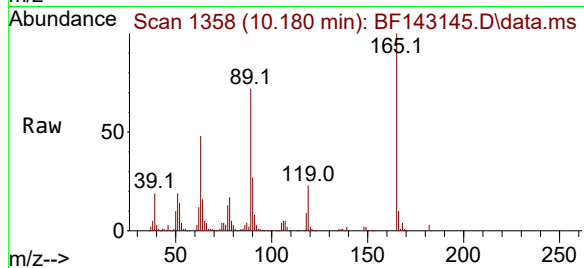
65 106.2 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 55.954 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

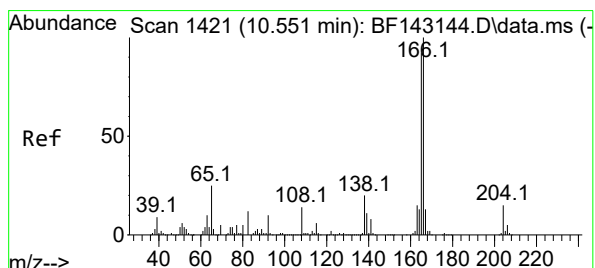
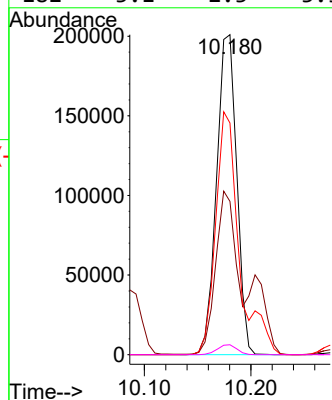
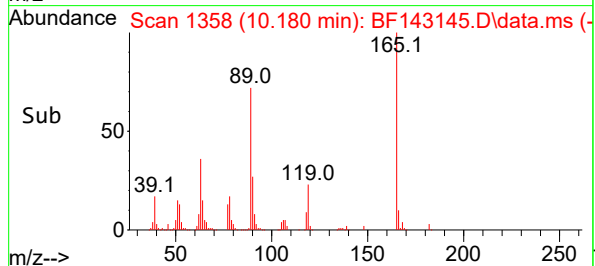
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 264045
Ion Ratio Lower Upper
165 100
63 47.9 41.0 61.4
89 72.4 61.1 91.7
182 3.1 2.3 3.5

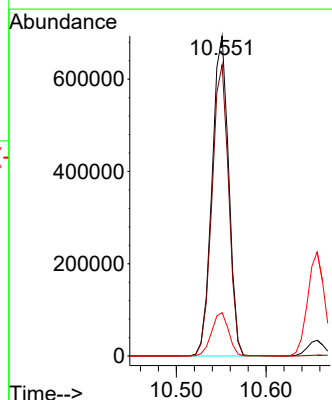
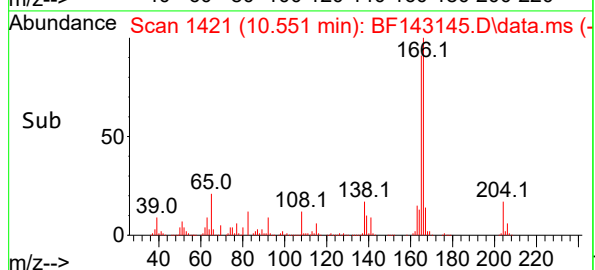
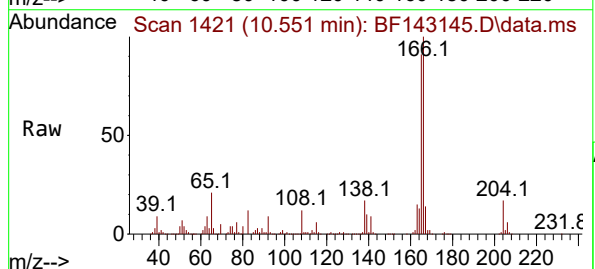
Manual Integrations
APPROVED

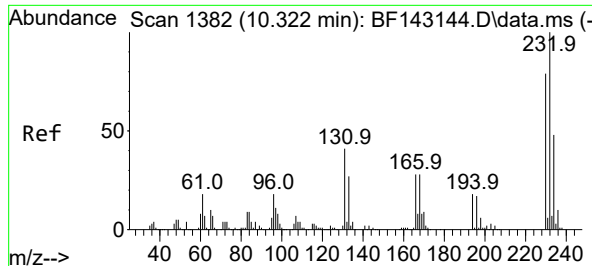
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 49.335 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

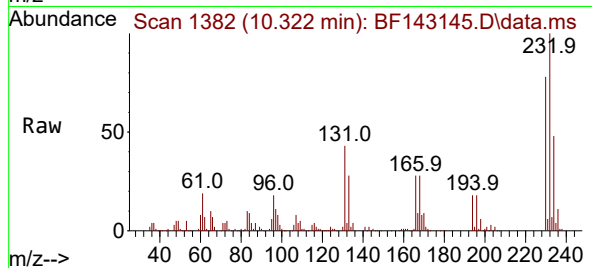
Tgt Ion:166 Resp: 891646
Ion Ratio Lower Upper
166 100
165 91.0 73.7 110.5
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.965 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

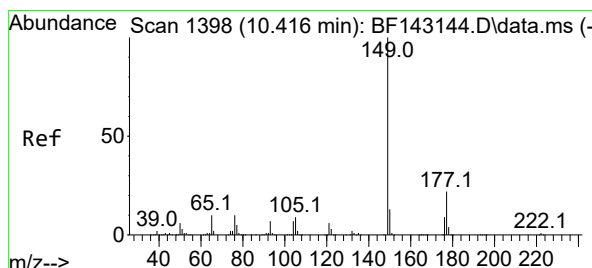
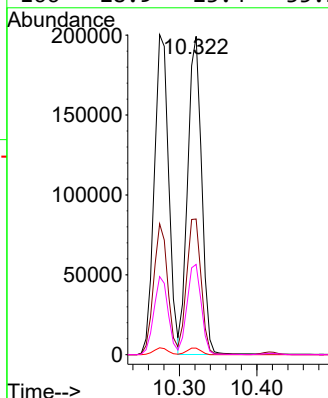
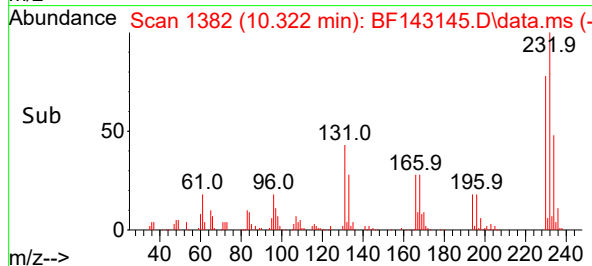
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 248745
Ion Ratio Lower Upper
232 100
131 44.3 35.3 52.9
130 2.1 1.7 2.5
166 28.9 23.4 35.2

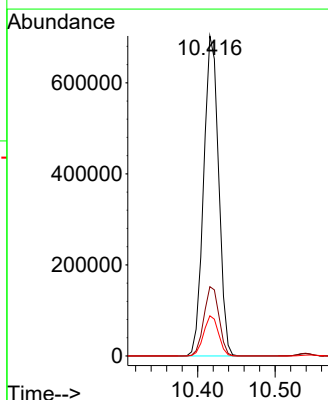
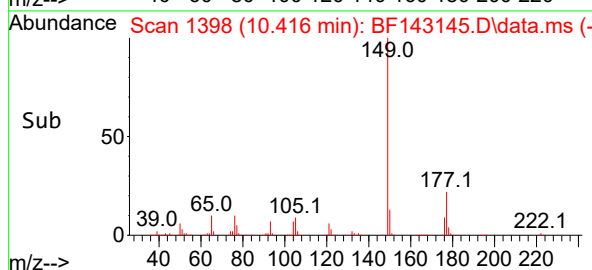
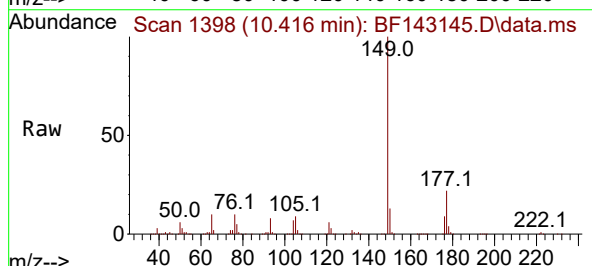
Manual Integrations
APPROVED

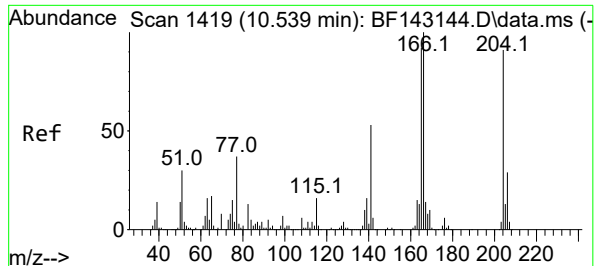
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#60
Diethylphthalate
Concen: 51.580 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

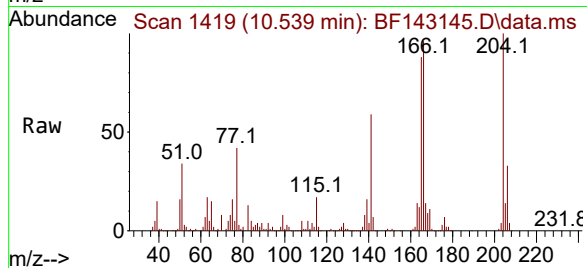
Tgt Ion:149 Resp: 942625
Ion Ratio Lower Upper
149 100
177 21.7 17.5 26.3
150 12.6 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 49.911 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

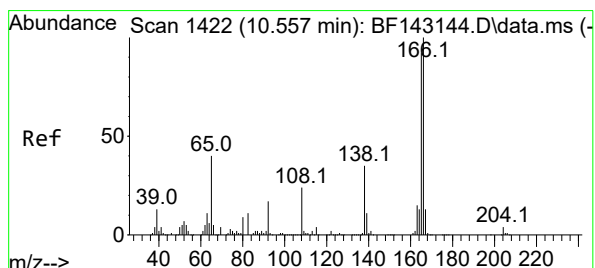
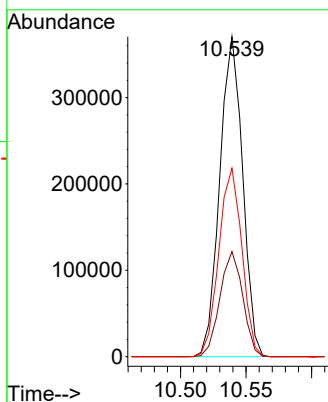
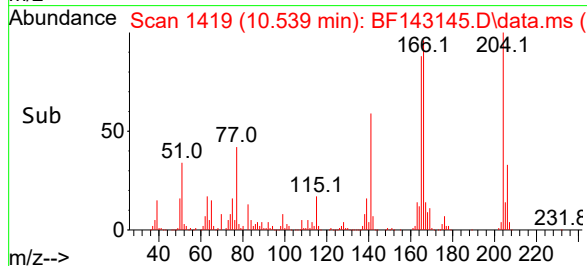
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



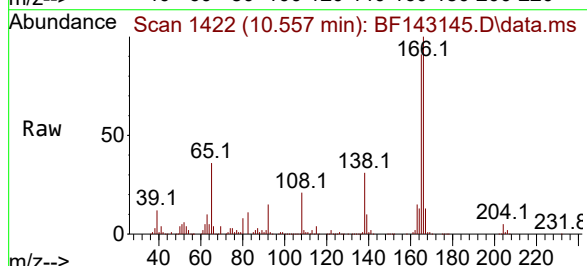
Tgt Ion:204 Resp: 449168
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 58.9 47.0 70.4

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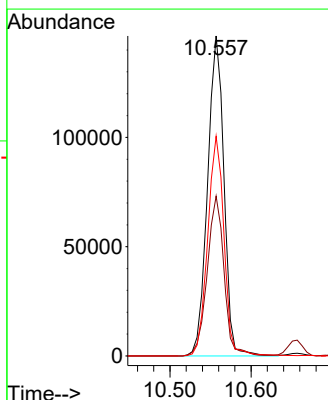
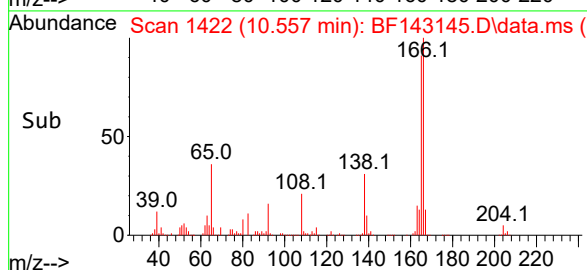
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

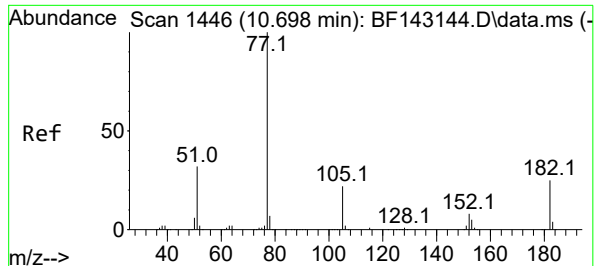


#62
4-Nitroaniline
Concen: 54.424 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



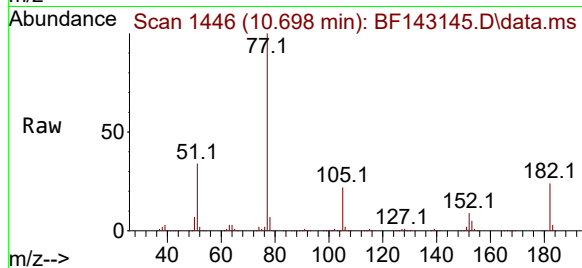
Tgt Ion:138 Resp: 205210
Ion Ratio Lower Upper
138 100
92 50.0 29.3 69.3
108 68.7 48.3 88.3





#63
Azobenzene
Concen: 50.766 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

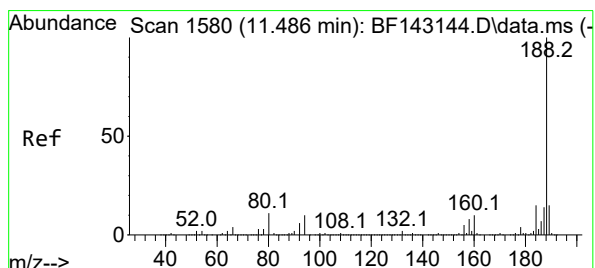
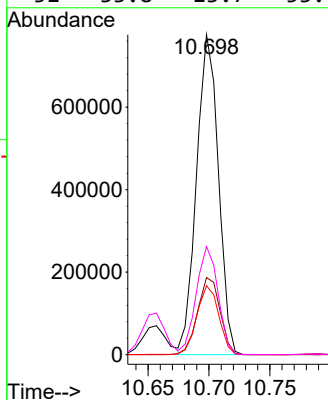
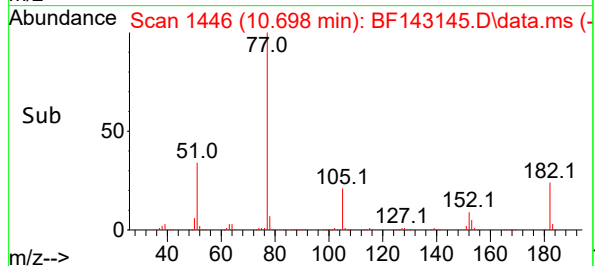
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



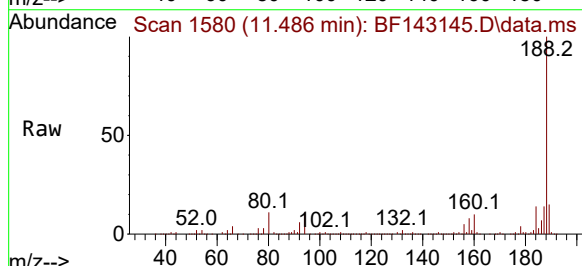
Tgt Ion: 77 Resp: 96693
Ion Ratio Lower Upper
77 100
182 24.1 4.6 44.6
105 21.6 1.4 41.4
51 33.8 13.7 53.7

Manual Integrations
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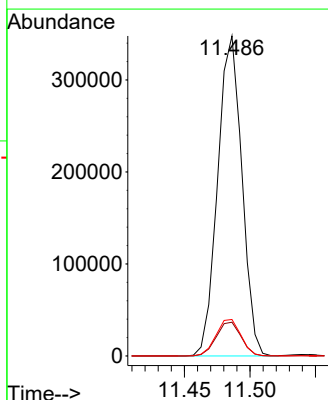
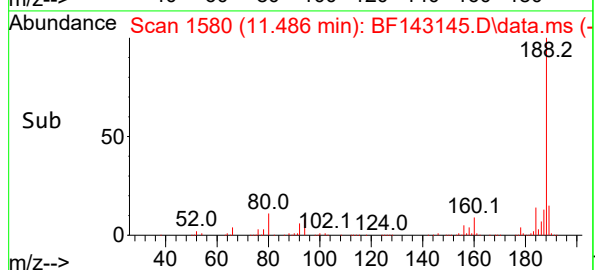
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

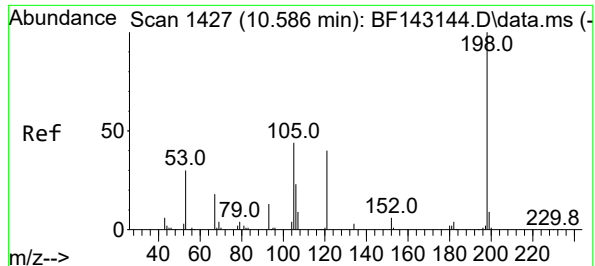


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



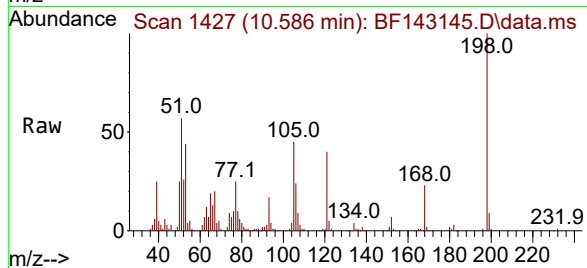
Tgt Ion:188 Resp: 447089
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.4 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 51.927 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

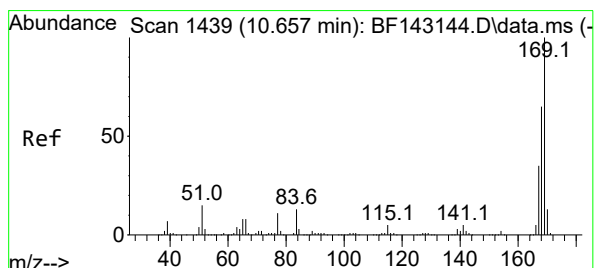
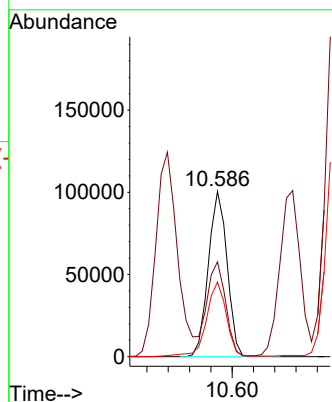
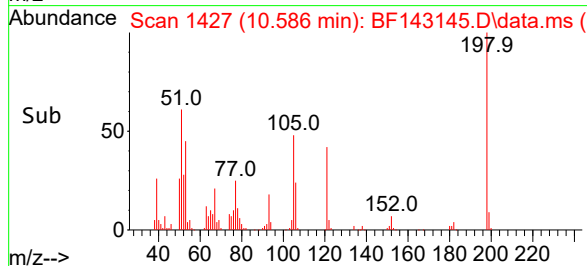
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:198 Resp: 122870
Ion Ratio Lower Upper
198 100
51 57.3 37.2 77.2
105 45.1 24.8 64.8

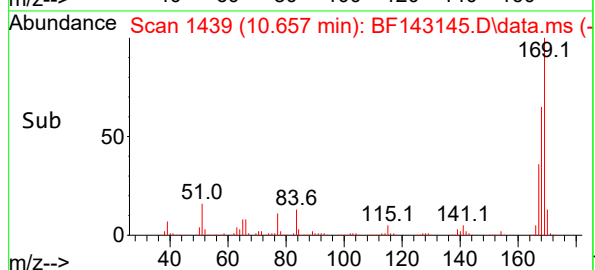
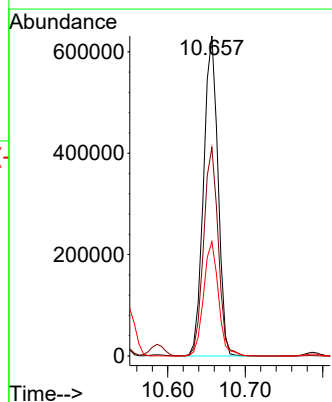
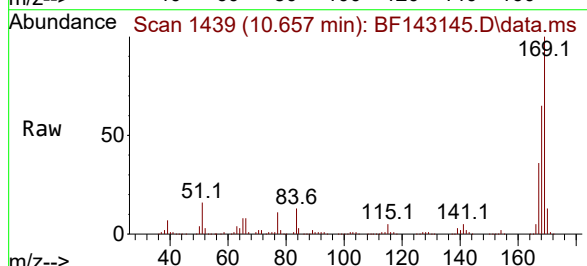
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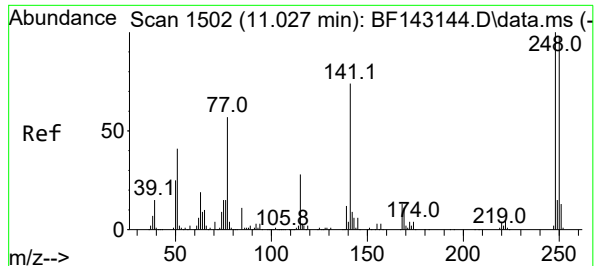
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 51.540 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

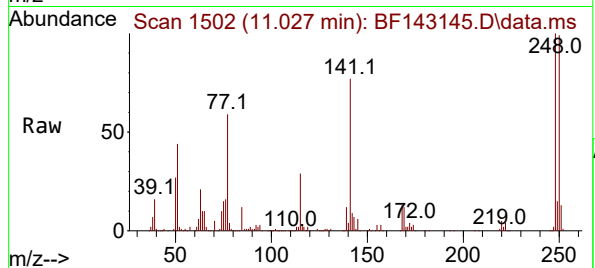
Tgt Ion:169 Resp: 811422
Ion Ratio Lower Upper
169 100
168 65.1 52.1 78.1
167 35.7 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 51.741 ng
RT: 11.027 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

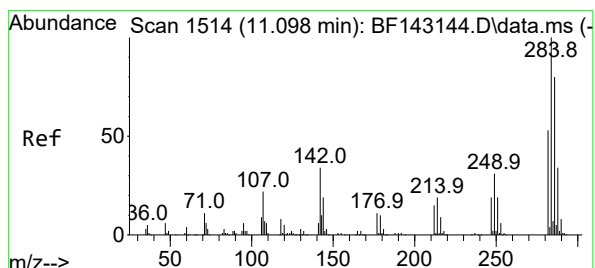
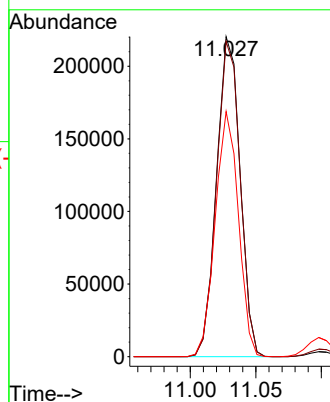
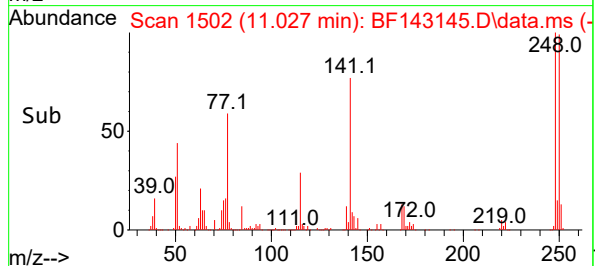
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



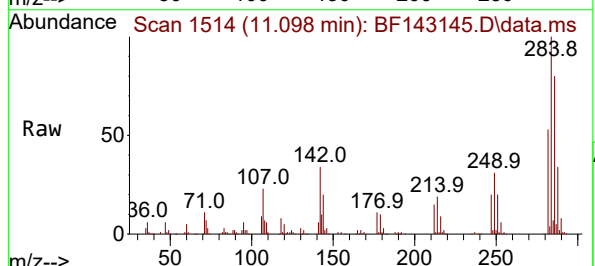
Tgt Ion:248 Resp: 275679
Ion Ratio Lower Upper
248 100
250 98.5 78.3 117.5
141 76.6 59.2 88.8

Manual Integrations
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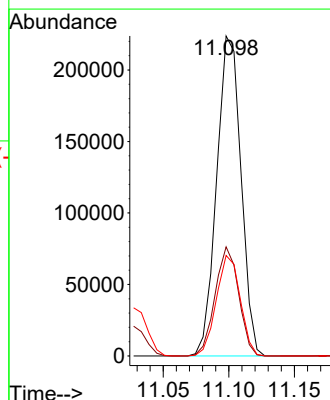
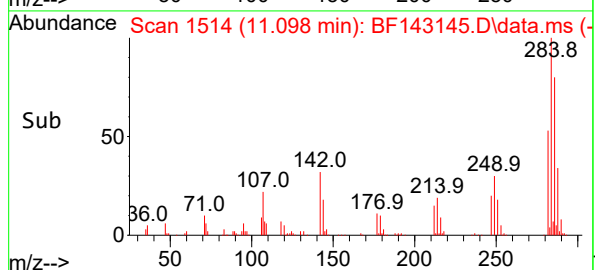
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

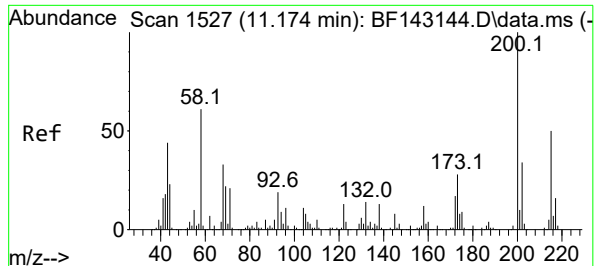


#68
Hexachlorobenzene
Concen: 51.788 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



Tgt Ion:284 Resp: 288405
Ion Ratio Lower Upper
284 100
142 34.1 27.0 40.6
249 31.4 25.0 37.6





#69

Atrazine

Concen: 53.662 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion:200 Resp: 23290

Ion Ratio Lower Upper

200 100

173 28.2 7.9 47.9

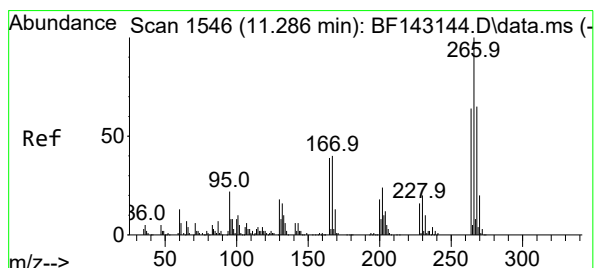
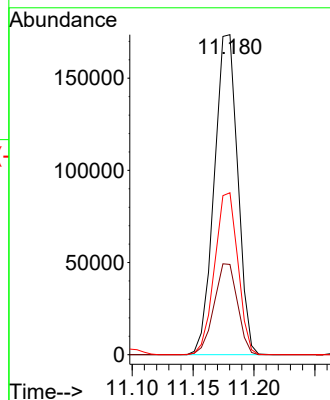
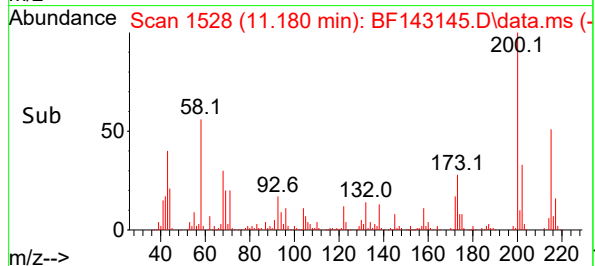
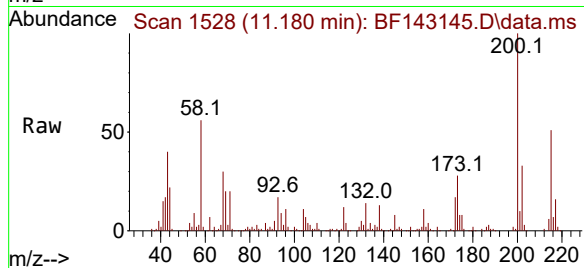
215 50.6 30.1 70.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 54.581 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

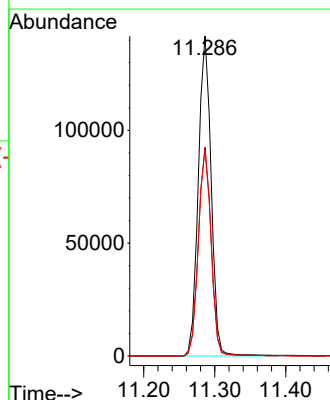
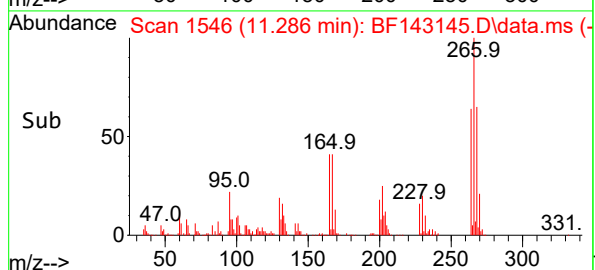
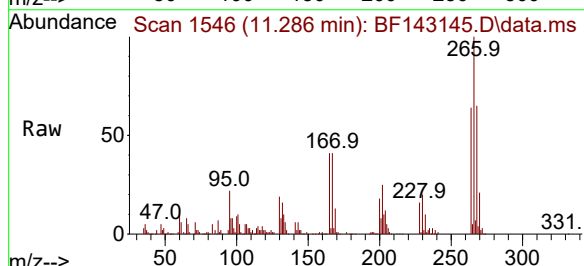
Tgt Ion:266 Resp: 178753

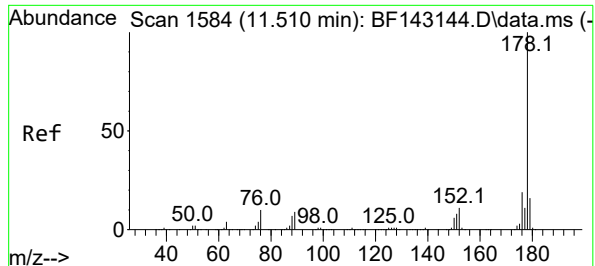
Ion Ratio Lower Upper

266 100

268 65.2 51.9 77.9

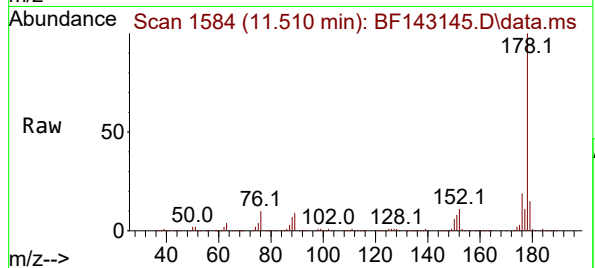
264 64.5 51.0 76.6





#71
Phenanthrene
Concen: 50.321 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

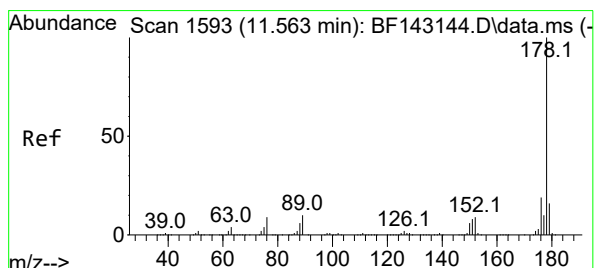
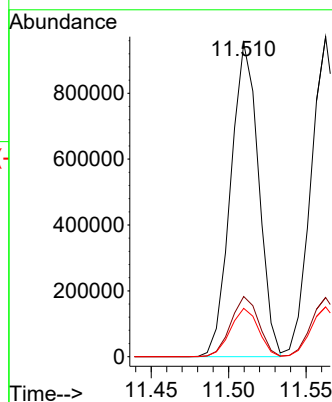
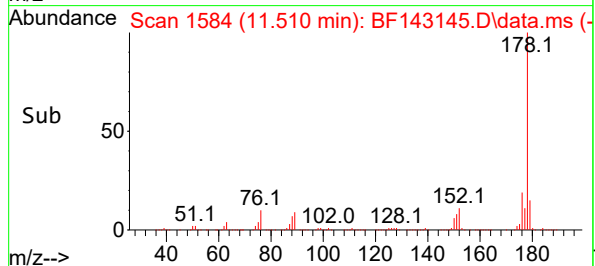
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:178 Resp: 1194582
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 12.5 18.7

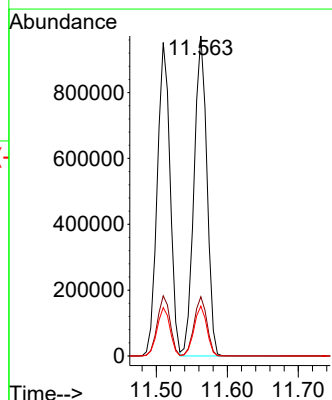
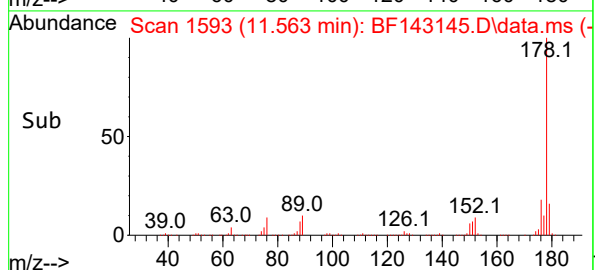
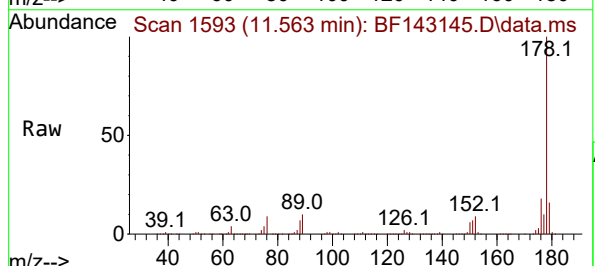
Manual Integrations
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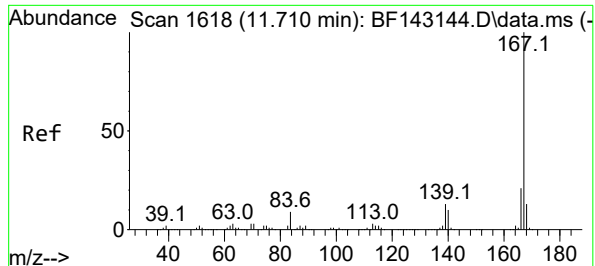
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#72
Anthracene
Concen: 50.552 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

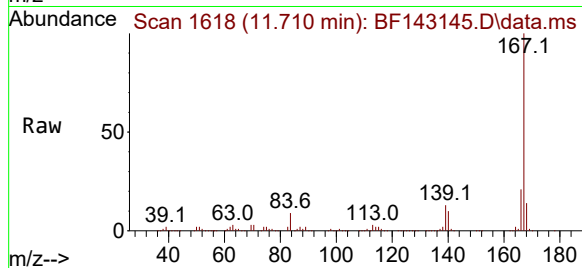
Tgt Ion:178 Resp: 1223920
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.5 12.5 18.7





#73
Carbazole
Concen: 50.934 ng
RT: 11.710 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

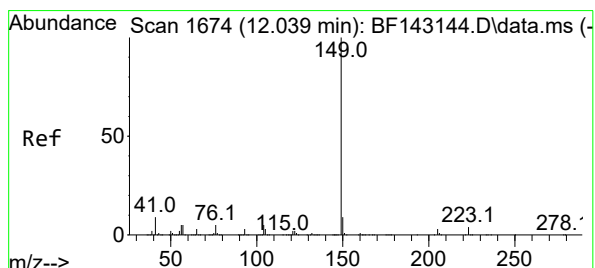
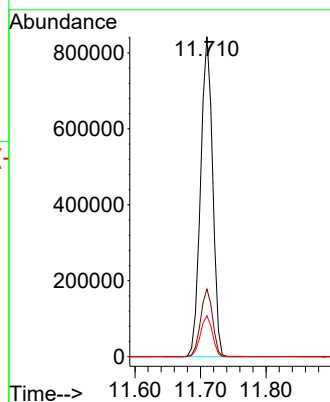
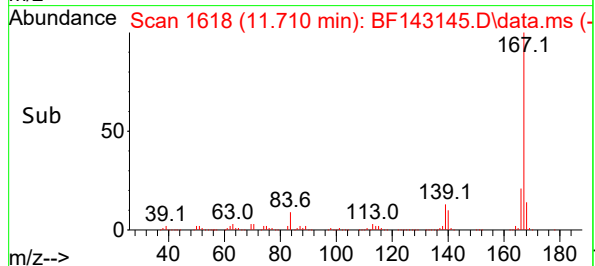
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



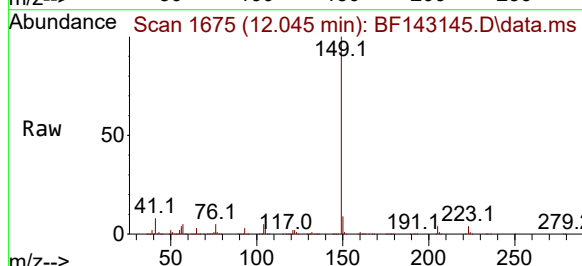
Tgt Ion:167 Resp: 107680
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.6
139 12.8 10.0 15.0

Manual Integrations
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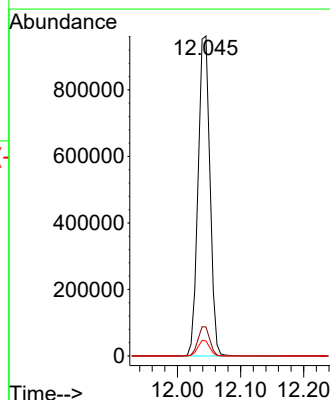
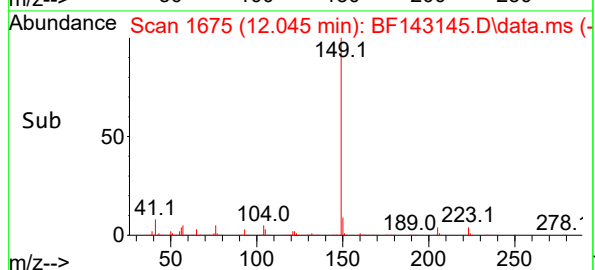
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

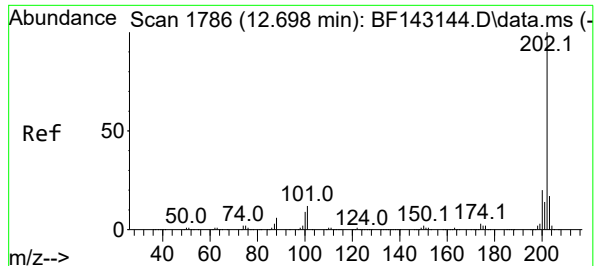


#74
Di-n-butylphthalate
Concen: 52.290 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



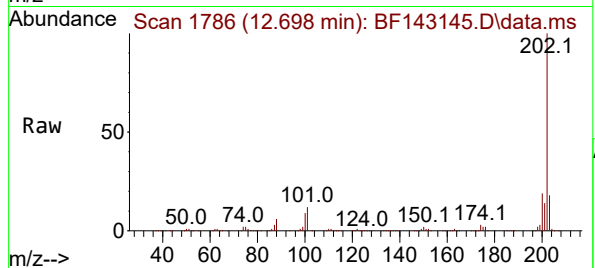
Tgt Ion:149 Resp: 1250841
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 50.203 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

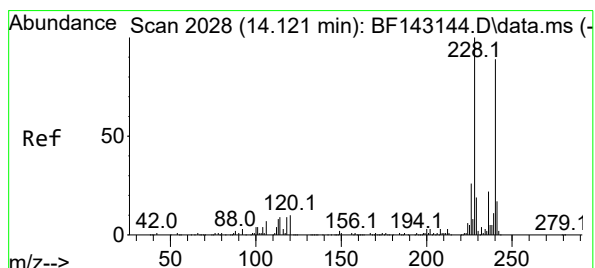
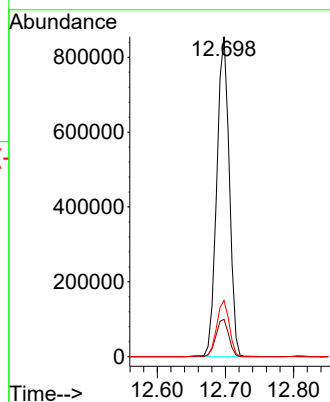
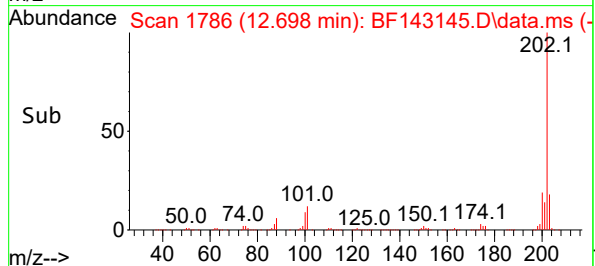
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 1093890
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.6 0.0 37.4

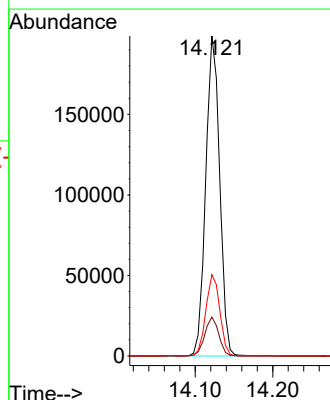
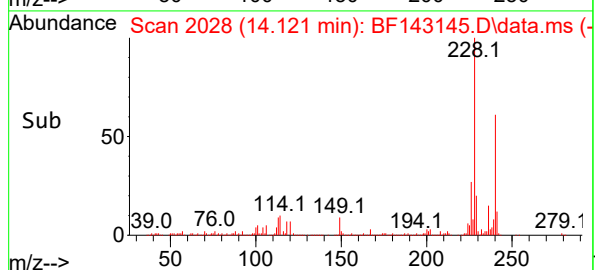
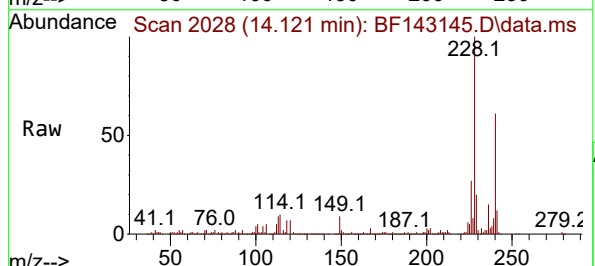
Manual Integrations
APPROVED

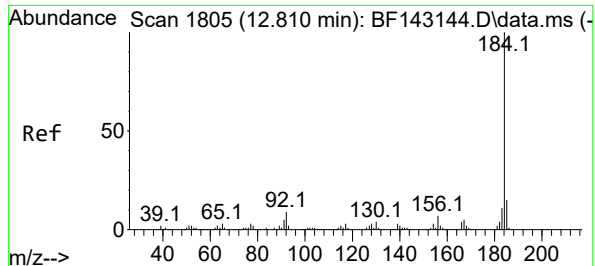
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

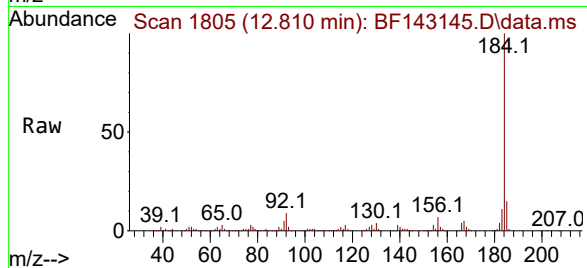
Tgt Ion:240 Resp: 247878
Ion Ratio Lower Upper
240 100
120 12.1 9.4 14.2
236 25.4 20.2 30.4





#77
Benzidine
Concen: 45.229 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

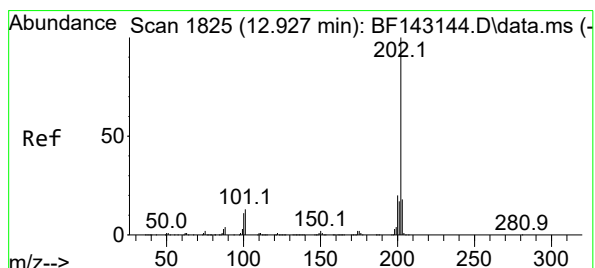
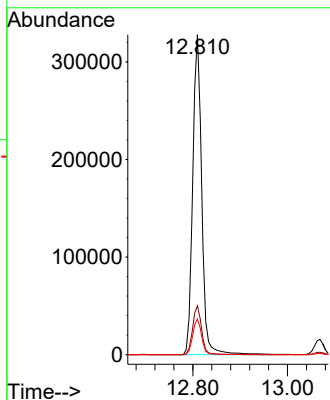
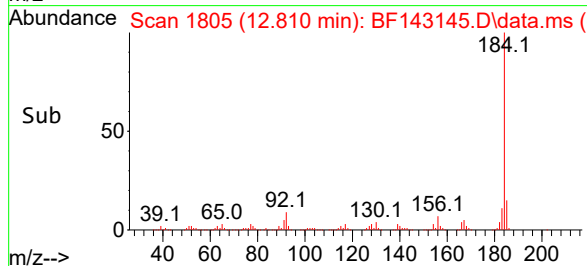
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 431944
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.4
183 11.2 9.0 13.4

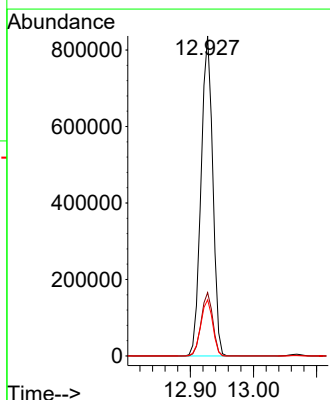
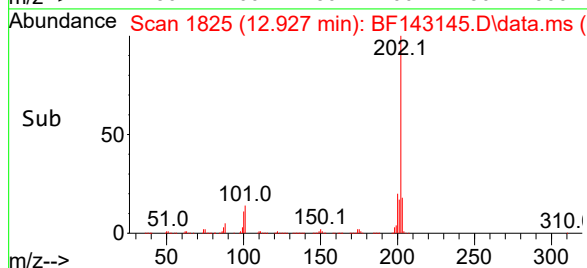
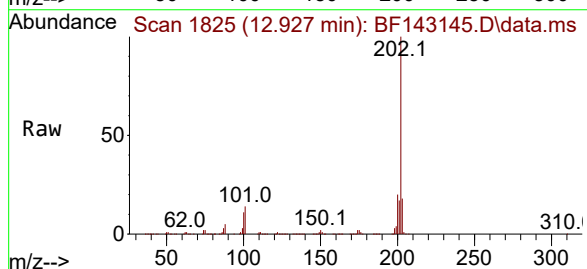
Manual Integrations
APPROVED

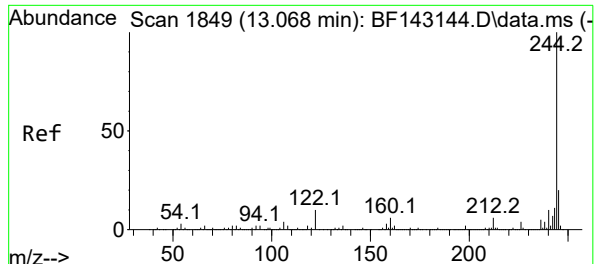
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 50.982 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:202 Resp: 1078520
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 99.838 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:244 Resp: 166303

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

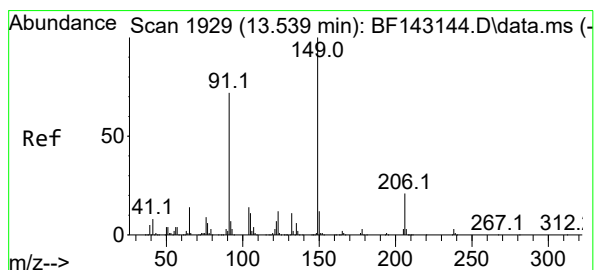
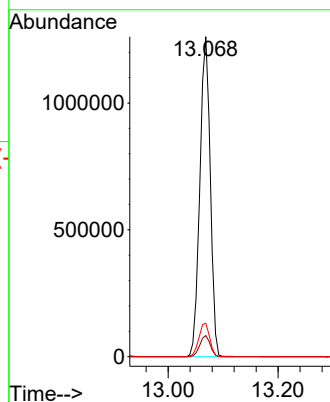
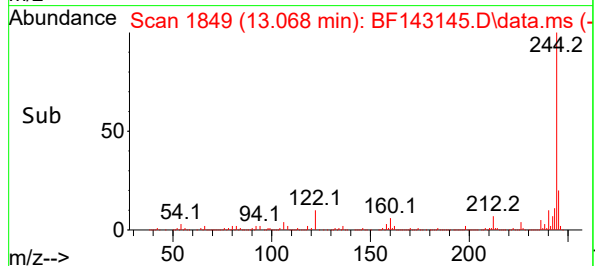
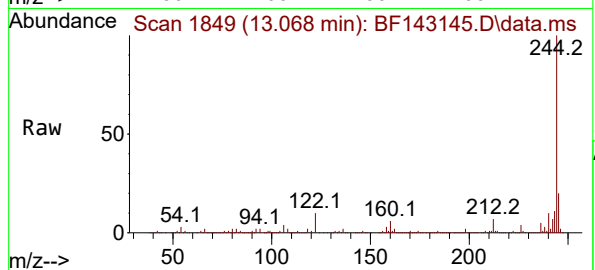
122 10.4 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 55.681 ng

RT: 13.539 min Scan# 1929

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

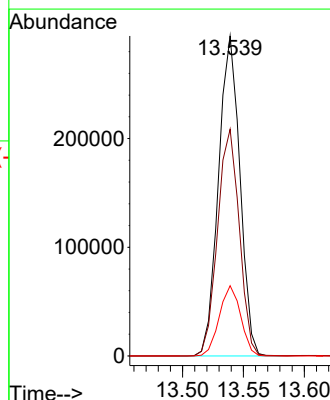
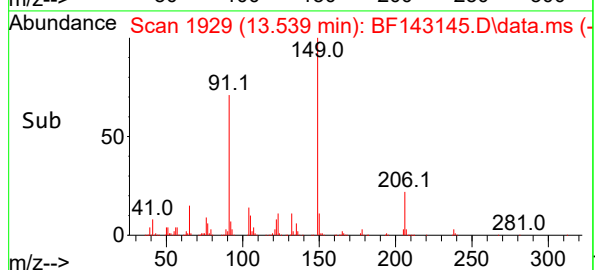
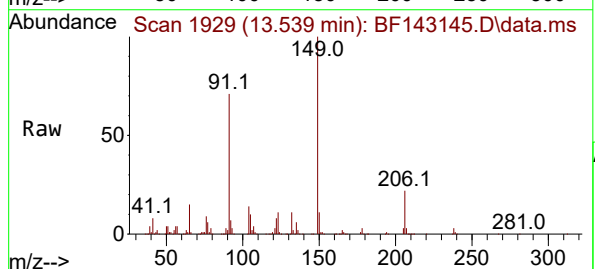
Tgt Ion:149 Resp: 360698

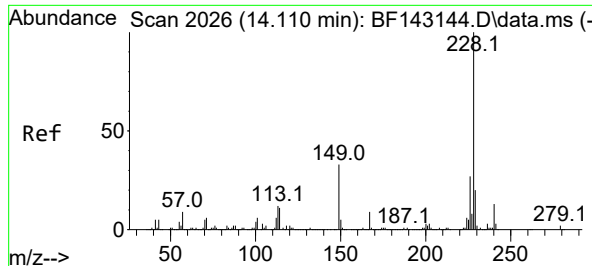
Ion Ratio Lower Upper

149 100

91 70.8 57.9 86.9

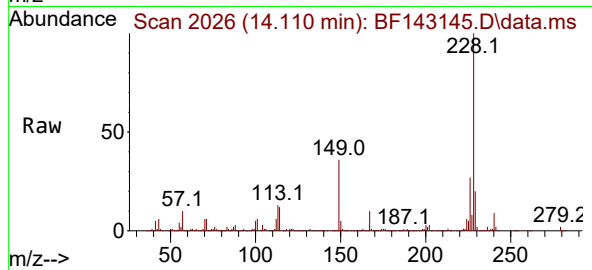
206 22.0 17.0 25.4





#81
Benzo(a)anthracene
Concen: 53.085 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

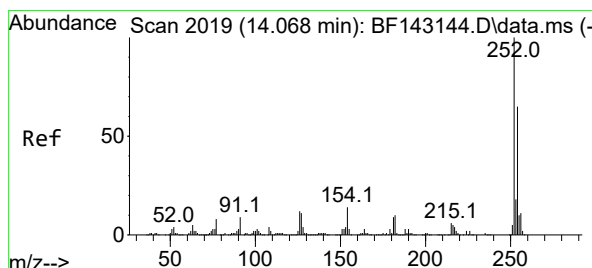
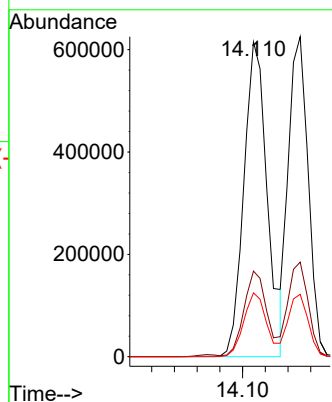
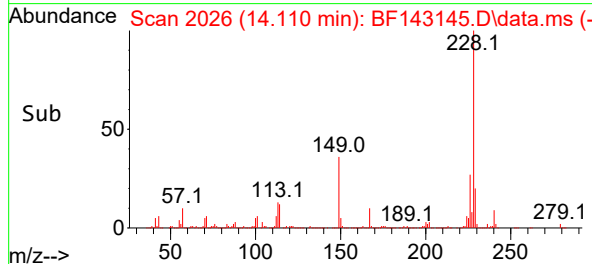
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 880975
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 20.3 15.8 23.6

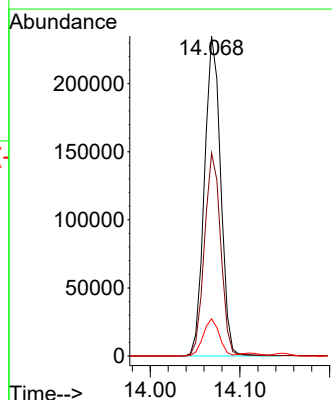
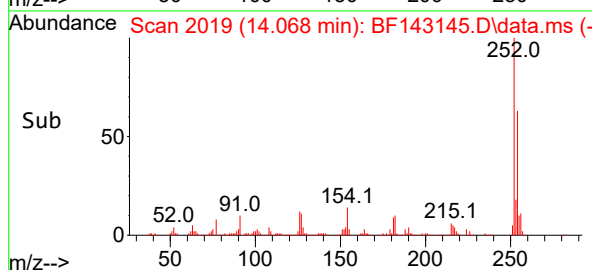
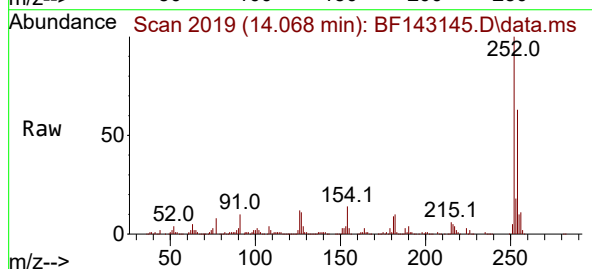
Manual Integrations
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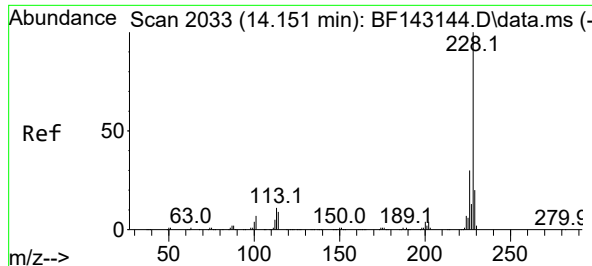
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#82
3,3'-Dichlorobenzidine
Concen: 53.305 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 294836
Ion Ratio Lower Upper
252 100
254 63.5 51.7 77.5
126 11.6 9.4 14.0





#83

Chrysene

Concen: 50.597 ng

RT: 14.151 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF143145.D

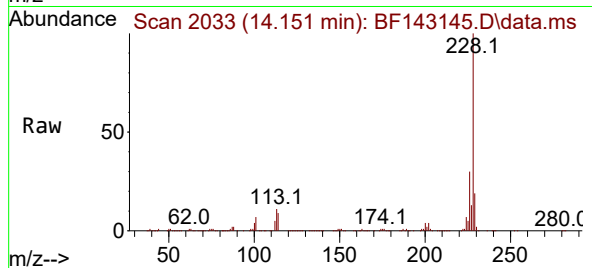
Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:228 Resp: 75495

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

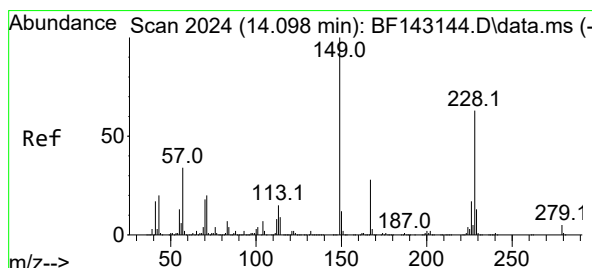
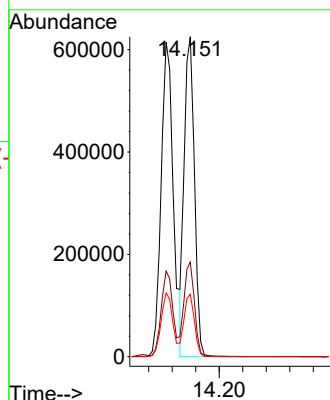
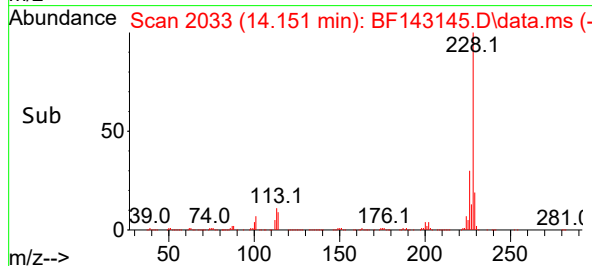
229 19.5 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#84

Bis(2-ethylhexyl)phthalate

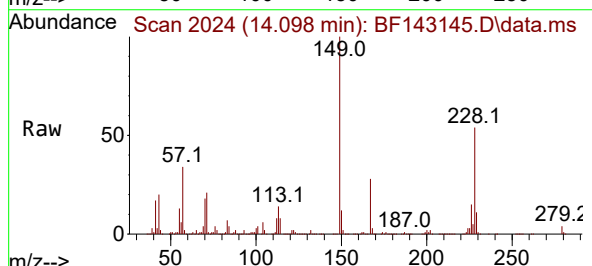
Concen: 54.475 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33



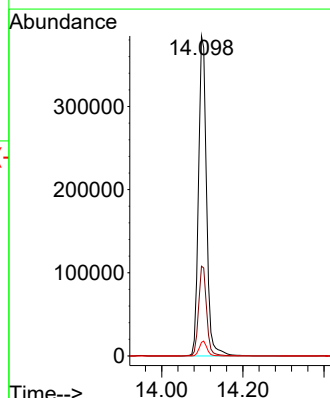
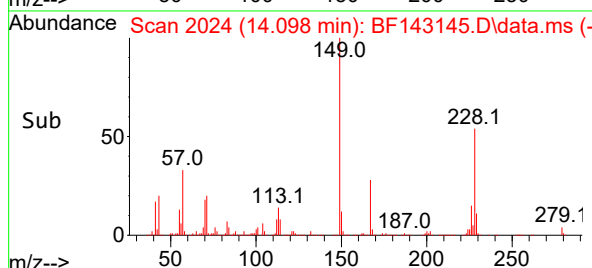
Tgt Ion:149 Resp: 534128

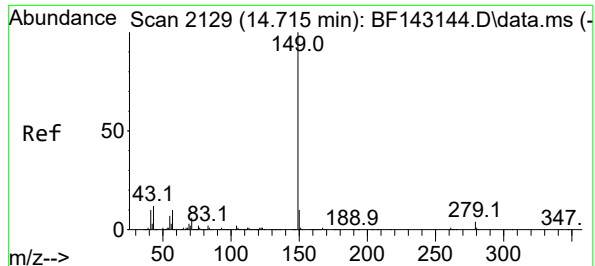
Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

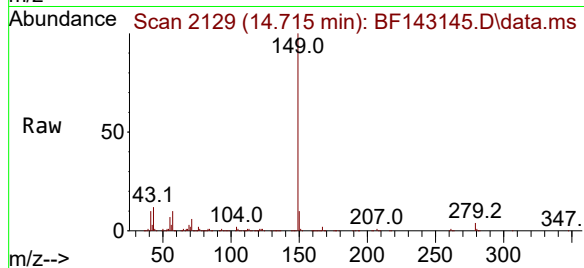
279 4.3 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 54.032 ng
RT: 14.715 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

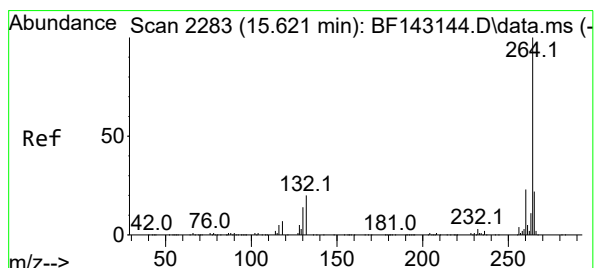
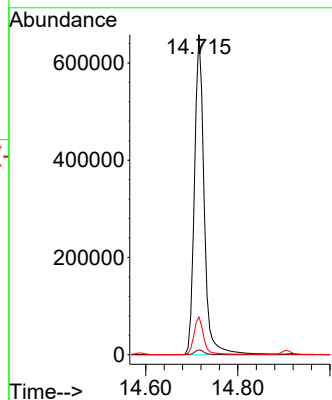
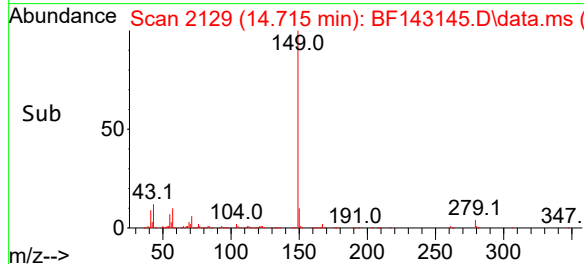
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:149 Resp: 960309
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.9 9.7 14.5

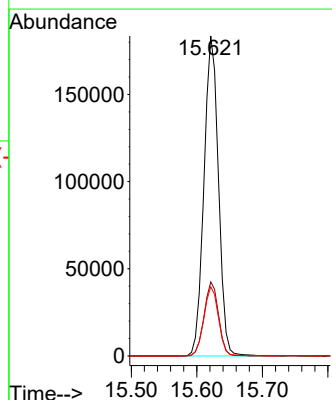
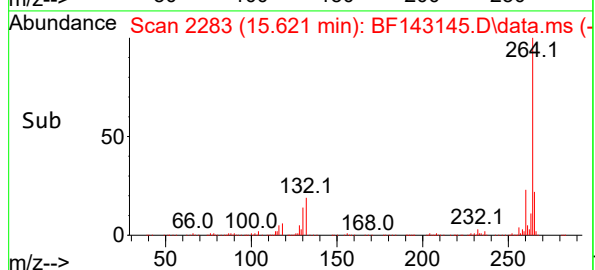
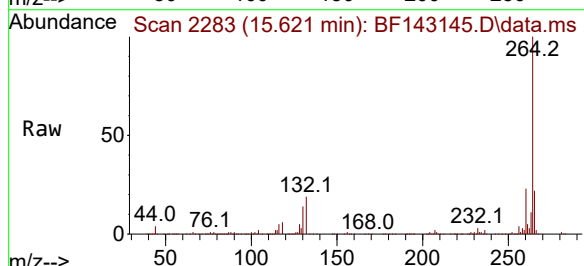
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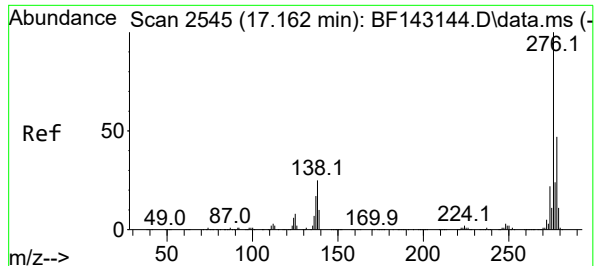
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:264 Resp: 282289
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.6 17.4 26.2





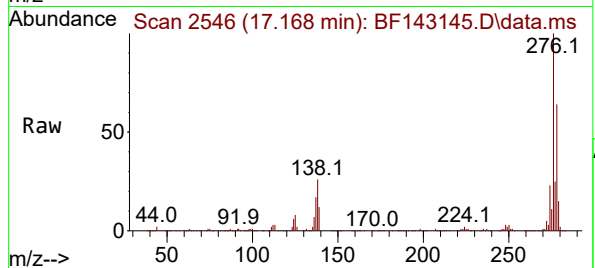
#87
Indeno(1,2,3-cd)pyrene
Concen: 53.347 ng
RT: 17.168 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

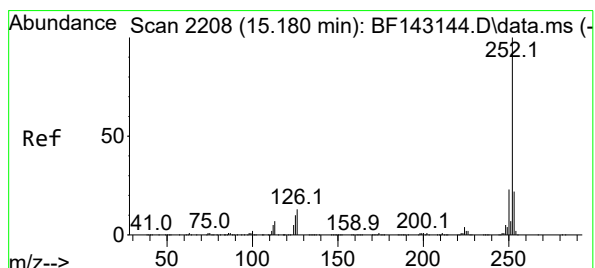
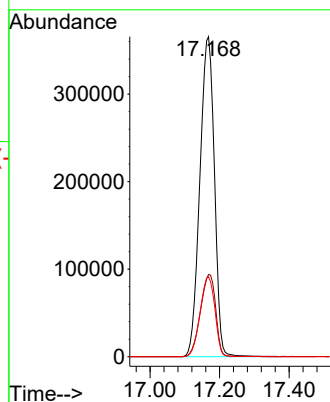
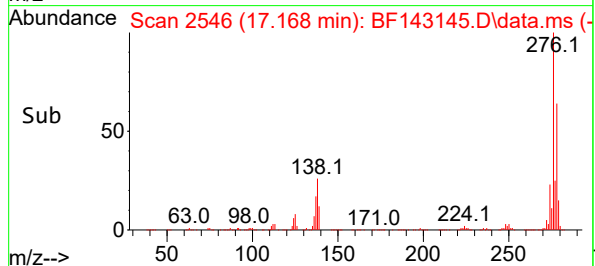


Tgt Ion:276 Resp: 106187
Ion Ratio Lower Upper
276 100
138 26.8 21.8 32.6
277 25.4 20.0 30.0

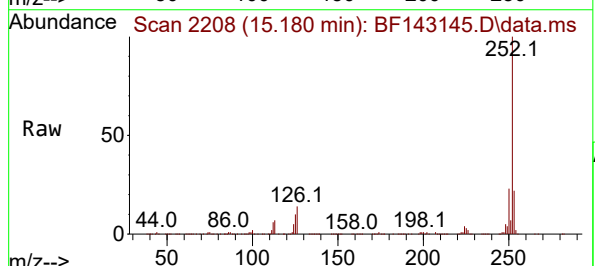
Manual Integrations

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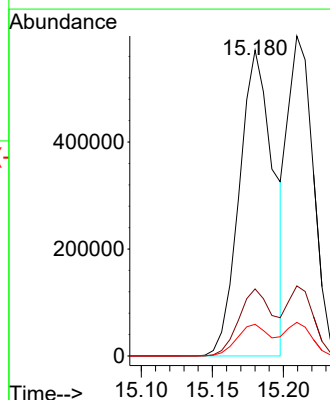
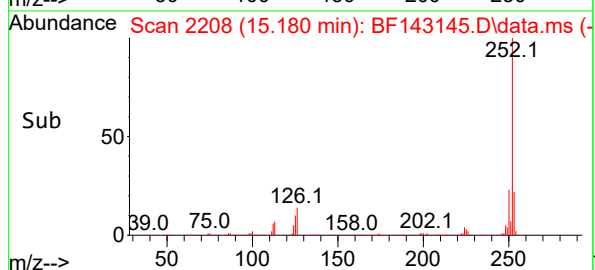
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

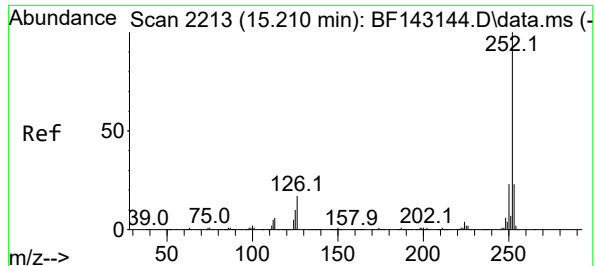


#88
Benzo(b)fluoranthene
Concen: 55.319 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



Tgt Ion:252 Resp: 953990
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 49.024 ng

RT: 15.209 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 75441

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

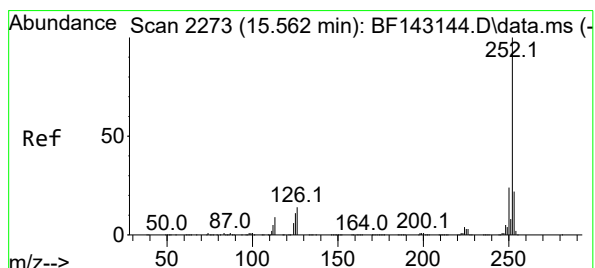
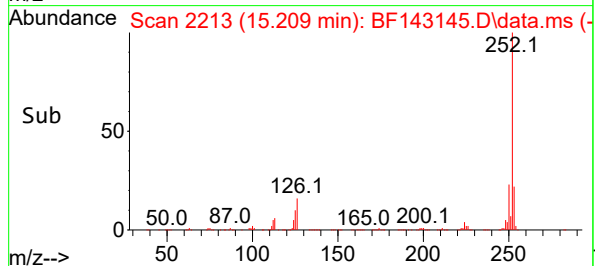
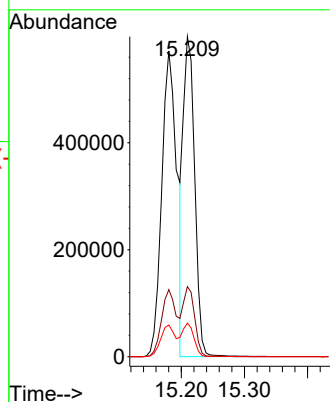
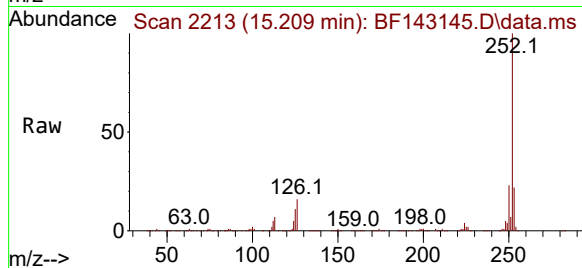
125 10.5 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 52.928 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

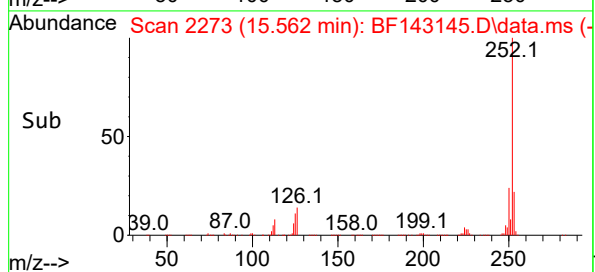
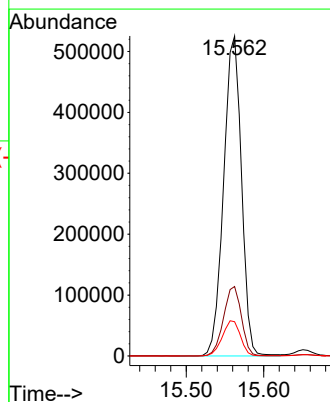
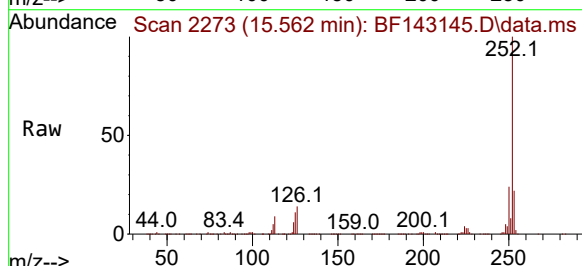
Tgt Ion:252 Resp: 840968

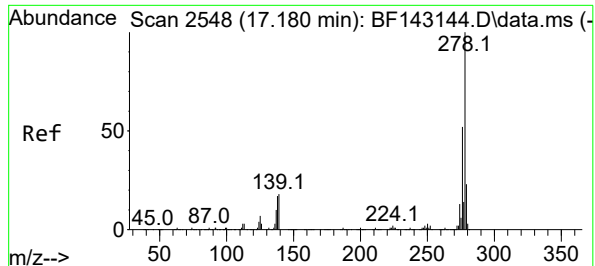
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

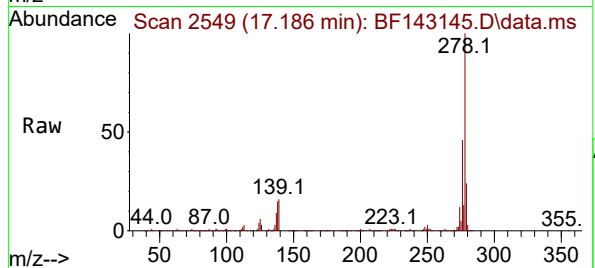
125 10.7 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 53.172 ng
RT: 17.186 min Scan# 2548
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

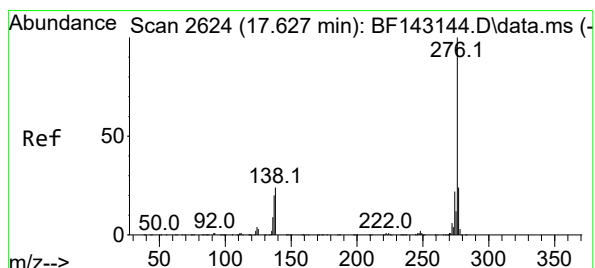
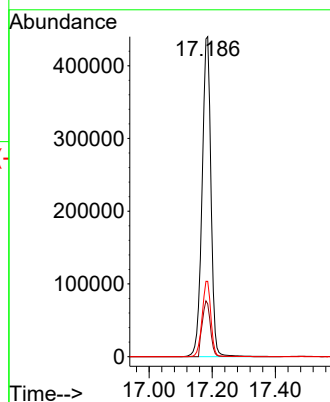
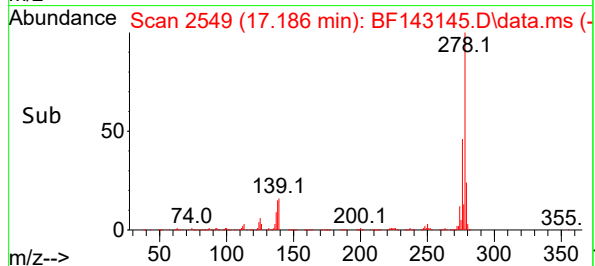
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:278 Resp: 861461
Ion Ratio Lower Upper
278 100
139 16.5 14.1 21.1
279 23.5 18.6 28.0

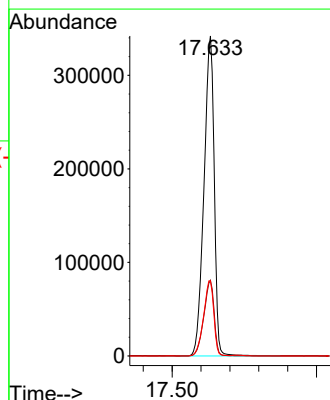
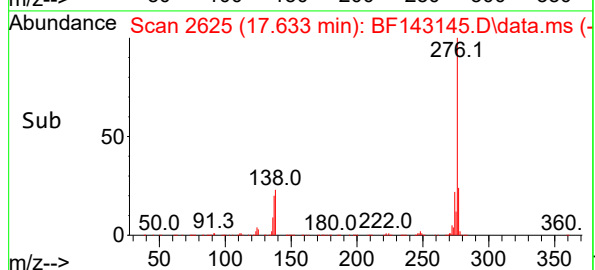
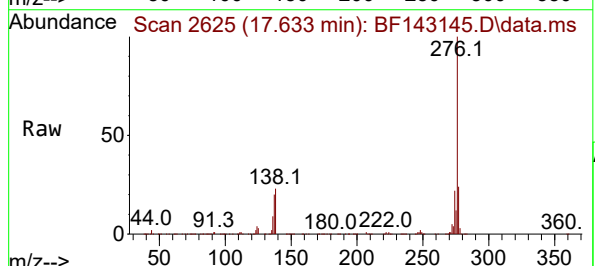
Manual Integrations
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Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 53.845 ng
RT: 17.633 min Scan# 2625
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:276 Resp: 843865
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 23.5 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143146.D
 Acq On : 17 Jul 2025 14:04
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:05:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	153150	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	573541	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	286544	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	442888	20.000	ng	0.00
76) Chrysene-d12	14.121	240	264384	20.000	ng	0.00
86) Perylene-d12	15.621	264	315904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1096776	113.327	ng	0.00
7) Phenol-d6	6.587	99	1384010	113.616	ng	0.00
23) Nitrobenzene-d5	7.528	82	1367018	118.809	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	354678	119.817	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2274500	108.558	ng	0.00
79) Terphenyl-d14	13.069	244	1888544	106.298	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.805	88	268511	58.635	ng	99
3) Pyridine	3.581	79	700860	58.965	ng	99
4) n-Nitrosodimethylamine	3.534	42	369452	60.203	ng	99
6) Aniline	6.628	93	982918	57.896	ng	100
8) 2-Chlorophenol	6.751	128	589870	58.147	ng	98
9) Benzaldehyde	6.516	77	515585	56.445	ng	99
10) Phenol	6.604	94	769713m	58.002	ng	
11) bis(2-Chloroethyl)ether	6.698	93	588491	57.918	ng	99
12) 1,3-Dichlorobenzene	6.910	146	625605	56.769	ng	99
13) 1,4-Dichlorobenzene	6.981	146	623375	56.171	ng	98
14) 1,2-Dichlorobenzene	7.140	146	598571	56.708	ng	99
15) Benzyl Alcohol	7.098	79	548155	58.934	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1076628	57.120	ng	98
17) 2-Methylphenol	7.210	107	498077	58.393	ng	99
18) Hexachloroethane	7.481	117	225488	58.691	ng	99
19) n-Nitroso-di-n-propyla...	7.381	70	437750	56.012	ng	100
20) 3+4-Methylphenols	7.363	107	582354	56.273	ng	96
22) Acetophenone	7.375	105	760969	56.041	ng	99
24) Nitrobenzene	7.545	77	641832	59.832	ng	99
25) Isophorone	7.787	82	1202506	59.202	ng	99
26) 2-Nitrophenol	7.857	139	304218	65.345	ng	97
27) 2,4-Dimethylphenol	7.892	122	548823	57.833	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	696403	57.184	ng	99
29) 2,4-Dichlorophenol	8.098	162	466809	58.329	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	498478	57.653	ng	99
31) Naphthalene	8.269	128	1575696	55.784	ng	99
32) Benzoic acid	8.010	122	321703	58.961	ng	99
33) 4-Chloroaniline	8.310	127	659467	57.178	ng	99
34) Hexachlorobutadiene	8.392	225	307552	58.230	ng	99
35) Caprolactam	8.692	113	145894	60.327	ng	100
36) 4-Chloro-3-methylphenol	8.787	107	506142	58.186	ng	99
37) 2-Methylnaphthalene	8.957	142	966031	56.203	ng	99
38) 1-Methylnaphthalene	9.057	142	997009	56.329	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	479450	57.955	ng	99
41) Hexachlorocyclopentadiene	9.116	237	337833	62.761	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	344941	60.246	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143146.D
 Acq On : 17 Jul 2025 14:04
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:05:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	339656	59.305	ng	99
46) 1,1'-Biphenyl	9.422	154	1265588	56.610	ng	100
47) 2-Chloronaphthalene	9.451	162	948912	57.364	ng	100
48) 2-Nitroaniline	9.534	65	331501	63.904	ng	99
49) Acenaphthylene	9.863	152	1576240	56.860	ng	100
50) Dimethylphthalate	9.722	163	1075052	57.558	ng	100
51) 2,6-Dinitrotoluene	9.775	165	238103	62.665	ng	97
52) Acenaphthene	10.039	154	930883	56.814	ng	98
53) 3-Nitroaniline	9.945	138	273506	61.542	ng	100
54) 2,4-Dinitrophenol	10.045	184	101491	60.690	ng	72
55) Dibenzofuran	10.210	168	1364531	56.093	ng	100
56) 4-Nitrophenol	10.092	139	203477	61.312	ng	99
57) 2,4-Dinitrotoluene	10.181	165	304460	63.868	ng	97
58) Fluorene	10.551	166	997710	54.647	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	283124	59.678	ng	99
60) Diethylphthalate	10.422	149	1057851	57.301	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	516980	56.867	ng	99
62) 4-Nitroaniline	10.563	138	232488	61.037	ng	98
63) Azobenzene	10.698	77	1098772	57.107	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	144751	60.728	ng	98
66) n-Nitrosodiphenylamine	10.657	169	910468	58.380	ng	98
67) 4-Bromophenyl-phenylether	11.028	248	318085	60.266	ng	99
68) Hexachlorobenzene	11.104	284	325779	59.054	ng	96
69) Atrazine	11.181	200	262374	61.024	ng	100
70) Pentachlorophenol	11.286	266	206417	63.625	ng	98
71) Phenanthrene	11.510	178	1331485	56.620	ng	100
72) Anthracene	11.563	178	1379601	57.522	ng	100
73) Carbazole	11.710	167	1194026	57.015	ng	100
74) Di-n-butylphthalate	12.045	149	1392335	58.757	ng	100
75) Fluoranthene	12.698	202	1232952	57.122	ng	99
77) Benzidine	12.810	184	476553	46.785	ng	100
78) Pyrene	12.927	202	1207978	53.536	ng	99
80) Butylbenzylphthalate	13.539	149	441334	63.875	ng	99
81) Benzo(a)anthracene	14.110	228	1041236	58.825	ng	99
82) 3,3'-Dichlorobenzidine	14.069	252	348979	59.155	ng	100
83) Chrysene	14.151	228	930545	58.472	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	655482	62.678	ng	100
85) Di-n-octyl phthalate	14.716	149	1196044	63.095	ng	100
87) Indeno(1,2,3-cd)pyrene	17.168	276	1337361	60.037	ng	99
88) Benzo(b)fluoranthene	15.180	252	1125667	58.328	ng	100
89) Benzo(k)fluoranthene	15.216	252	1023132	59.411	ng	99
90) Benzo(a)pyrene	15.563	252	1062049	59.730	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	1080768	59.610	ng	98
92) Benzo(g,h,i)perylene	17.639	276	1055168	60.163	ng	99

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

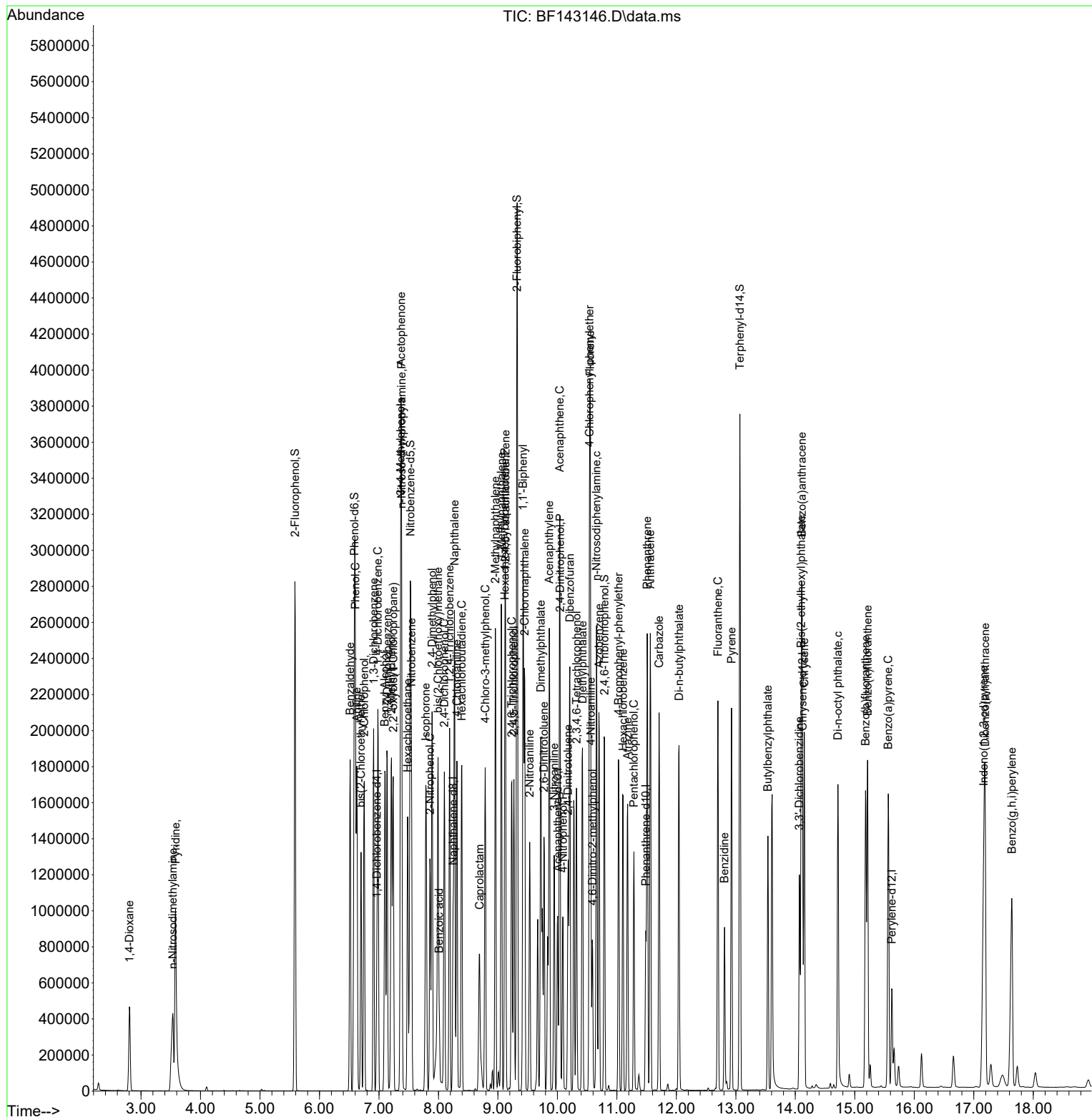
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Data File : BF143146.D
Acq On : 17 Jul 2025 14:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

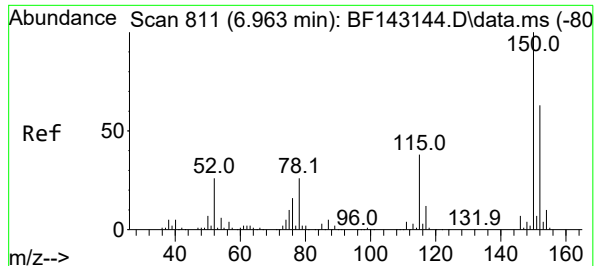
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 17 15:05:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Manual Integrations
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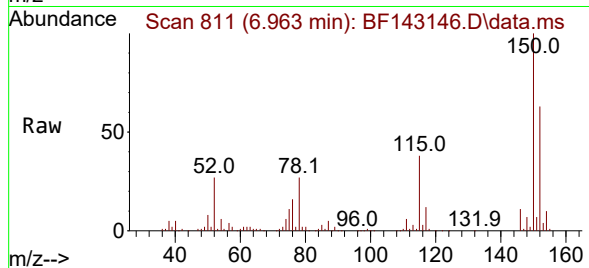
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

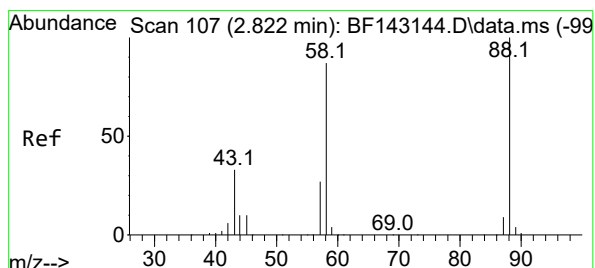
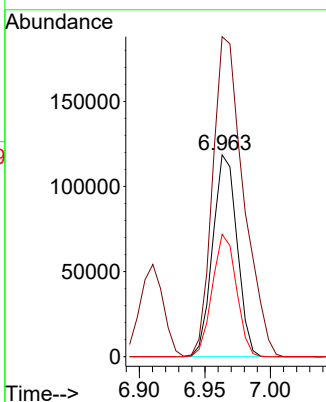
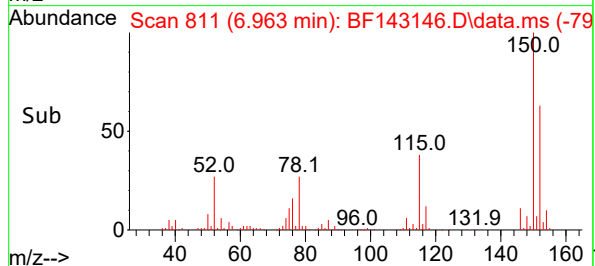
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:152 Resp: 153150
Ion Ratio Lower Upper
152 100
150 158.5 128.2 192.4
115 60.7 47.9 71.9

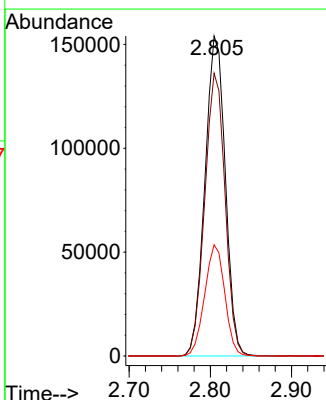
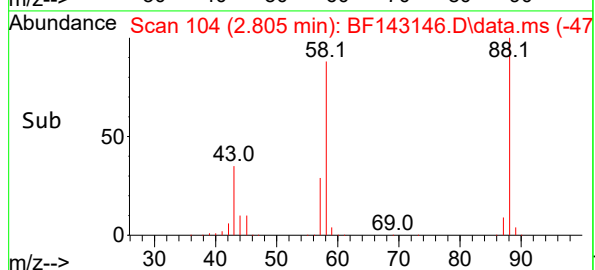
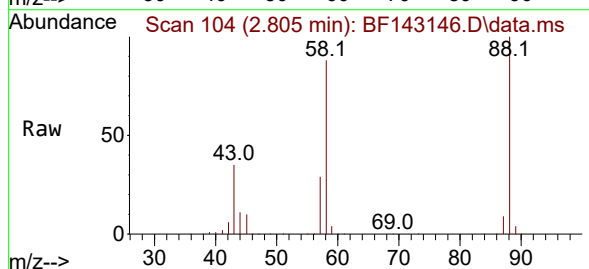
Manual Integrations
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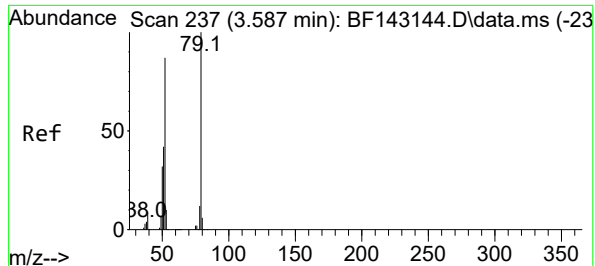
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 58.635 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

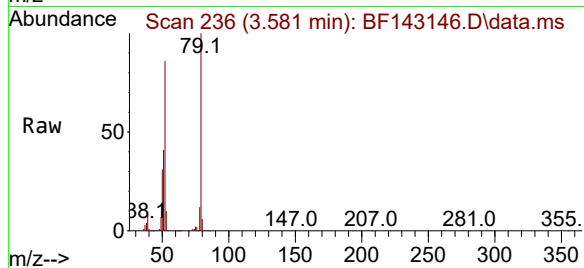
Tgt Ion: 88 Resp: 268511
Ion Ratio Lower Upper
88 100
58 88.2 70.2 105.2
43 34.2 27.1 40.7





#3
Pyridine
Concen: 58.965 ng
RT: 3.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

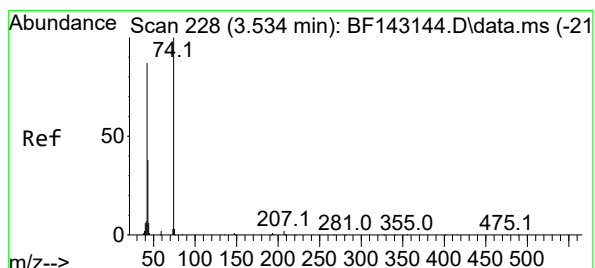
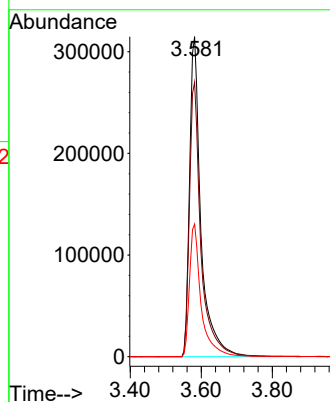
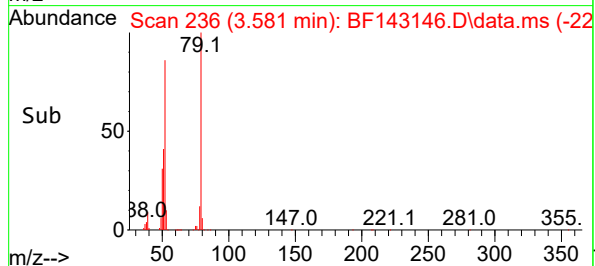
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 79 Resp: 700860
Ion Ratio Lower Upper
79 100
52 85.7 69.4 104.2
51 41.4 33.5 50.3

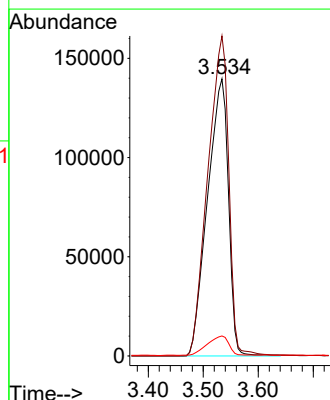
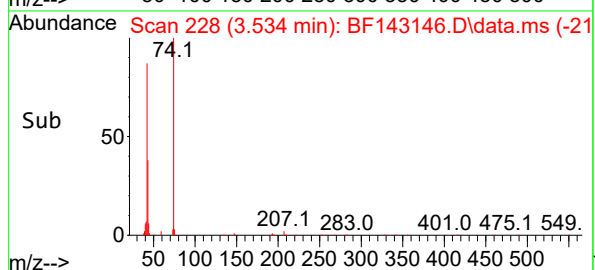
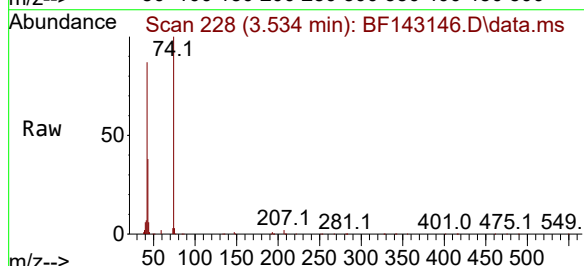
Manual Integrations
APPROVED

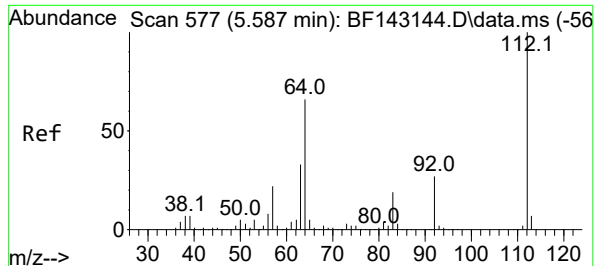
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#4
n-Nitrosodimethylamine
Concen: 60.203 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

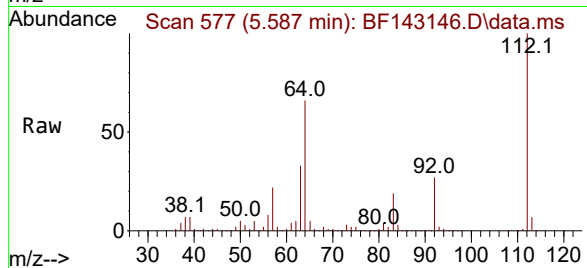
Tgt Ion: 42 Resp: 369452
Ion Ratio Lower Upper
42 100
74 115.5 91.7 137.5
44 7.2 5.6 8.4





#5
2-Fluorophenol
Concen: 113.327 ng
RT: 5.587 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

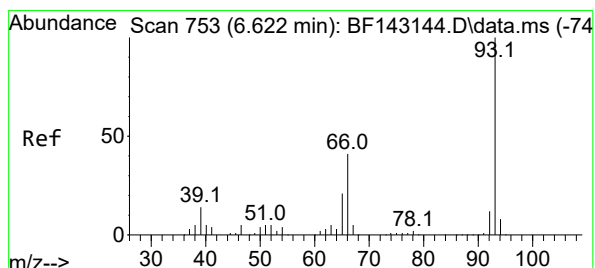
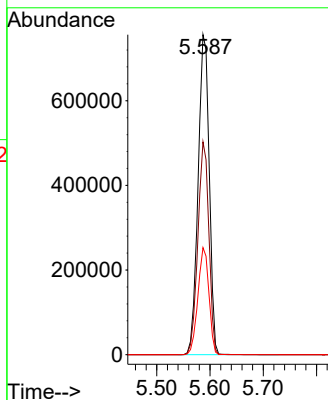
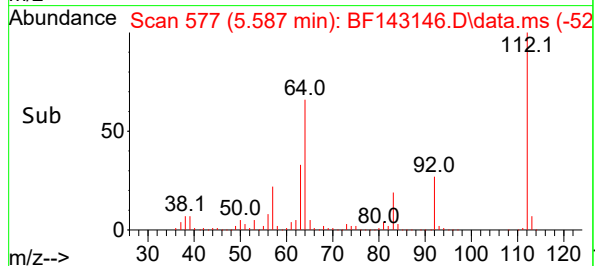
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:112 Resp: 1096770
Ion Ratio Lower Upper
112 100
64 66.5 53.1 79.7
63 33.4 26.6 40.0

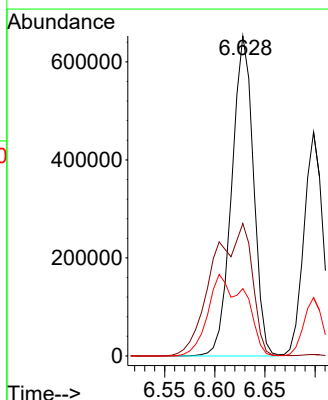
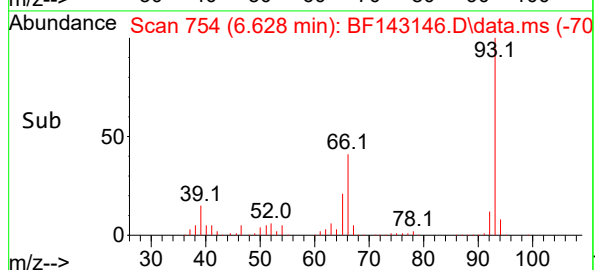
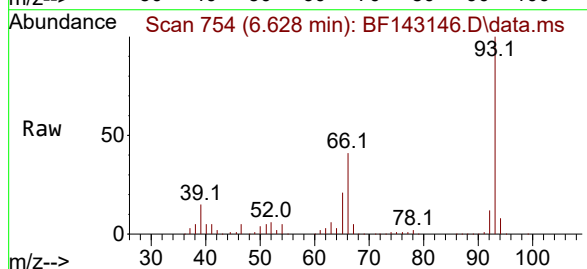
Manual Integrations
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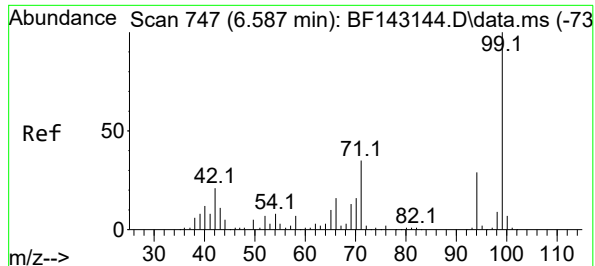
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 57.896 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 93 Resp: 982918
Ion Ratio Lower Upper
93 100
66 41.4 33.2 49.8
65 21.0 16.9 25.3





#7

Phenol-d6

Concen: 113.616 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 1384010

Ion Ratio Lower Upper

99 100

42 21.4 17.0 25.6

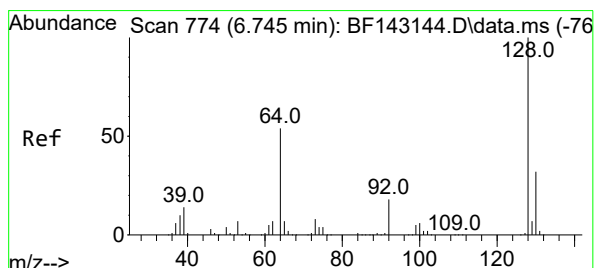
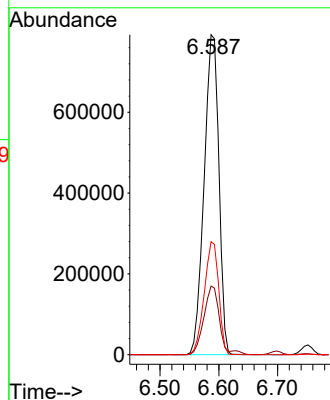
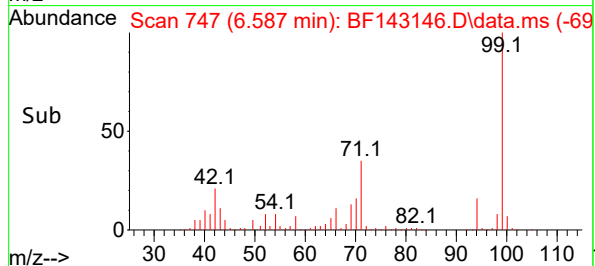
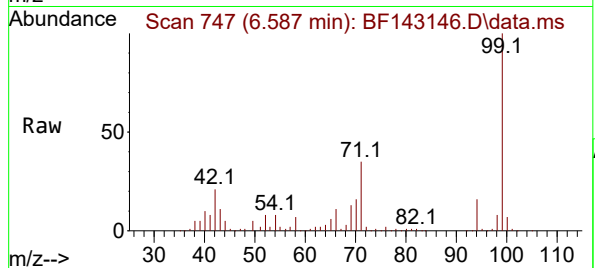
71 35.3 27.7 41.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#8

2-Chlorophenol

Concen: 58.147 ng

RT: 6.751 min Scan# 775

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

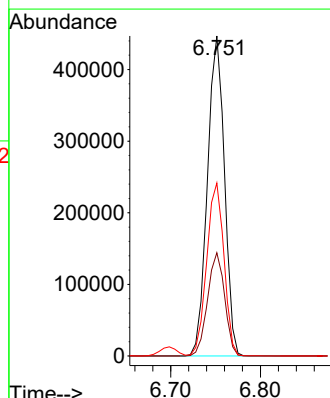
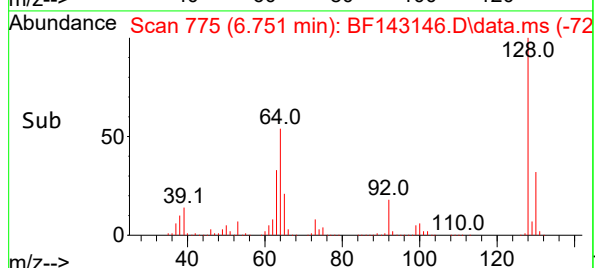
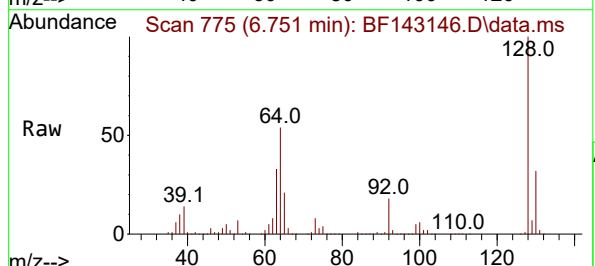
Tgt Ion:128 Resp: 589870

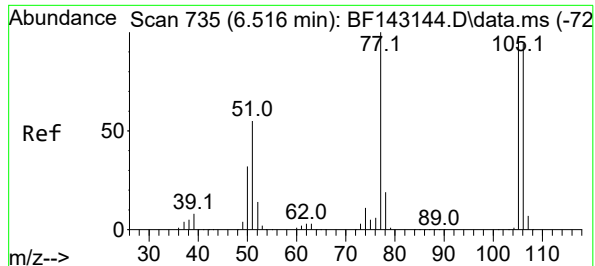
Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

64 54.0 35.9 75.9





#9

Benzaldehyde

Concen: 56.445 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 51558

Ion Ratio Lower Upper

77 100

105 96.1 76.8 116.8

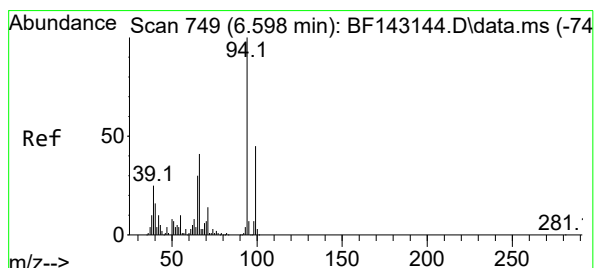
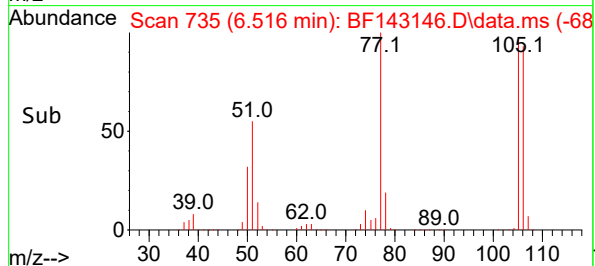
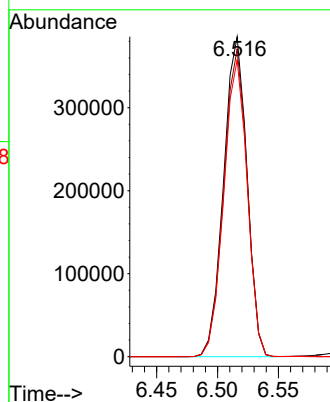
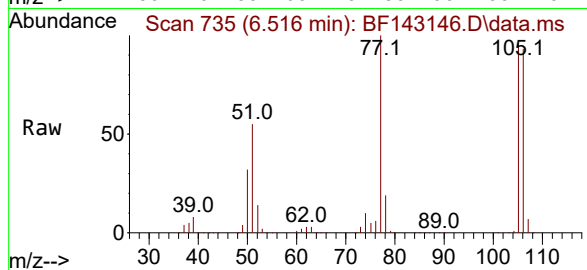
106 92.7 74.4 114.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#10

Phenol

Concen: 58.002 ng m

RT: 6.604 min Scan# 750

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

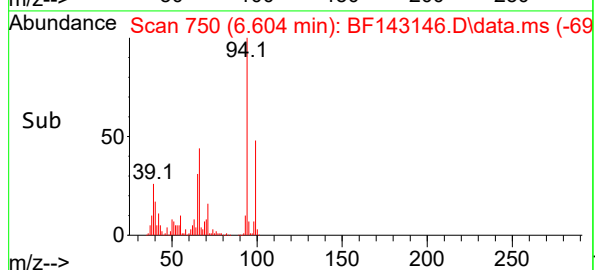
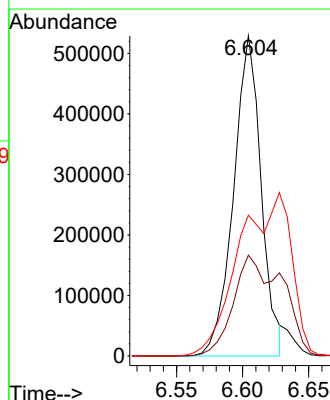
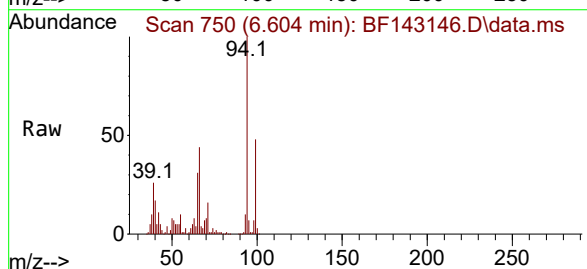
Tgt Ion: 94 Resp: 769713

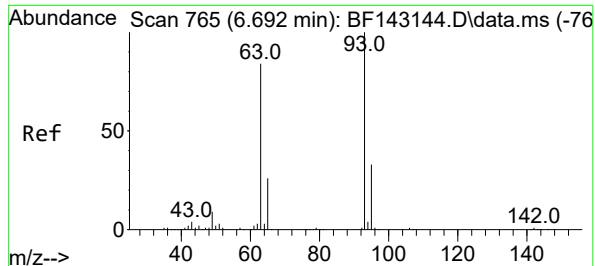
Ion Ratio Lower Upper

94 100

65 31.5 10.0 50.0

66 44.0 20.8 60.8





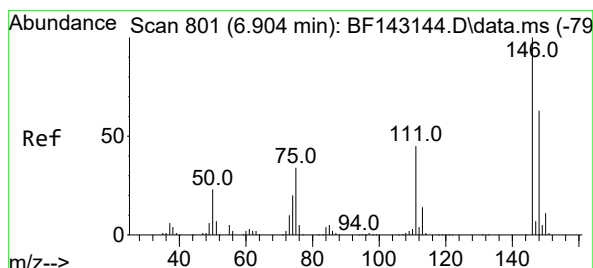
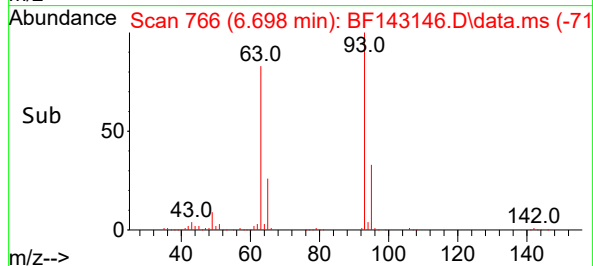
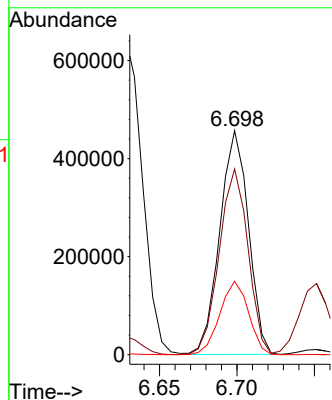
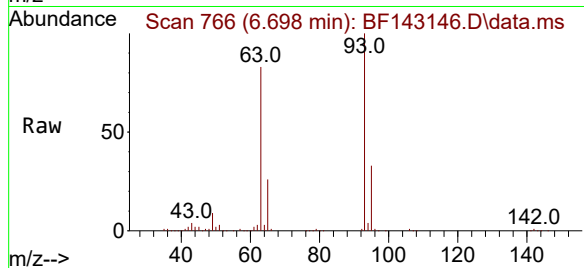
#11
bis(2-Chloroethyl)ether
Concen: 57.918 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 58849
Ion Ratio Lower Upper
93 100
63 82.9 63.4 103.4
95 32.8 12.4 52.4

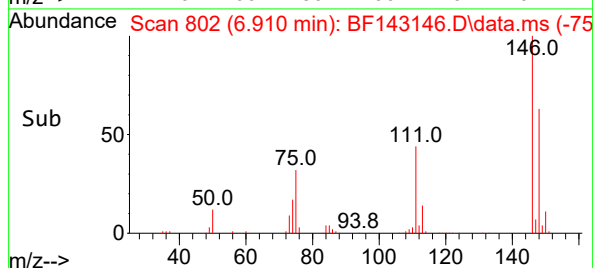
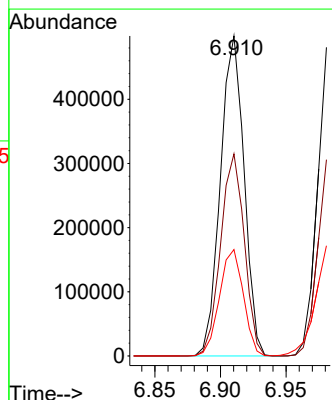
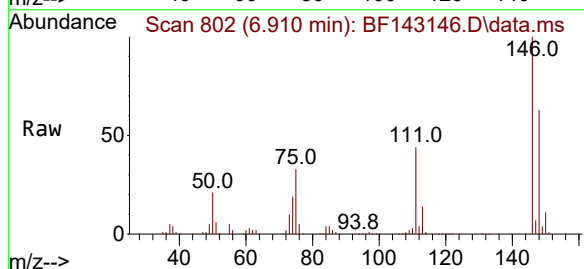
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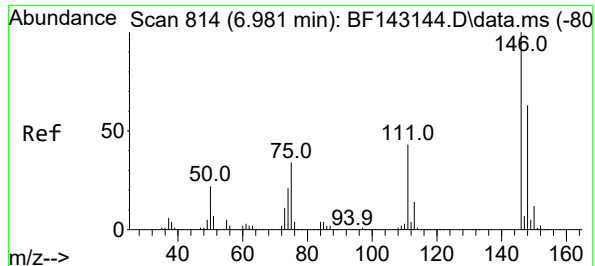
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 56.769 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:146 Resp: 625605
Ion Ratio Lower Upper
146 100
148 63.1 50.6 76.0
75 33.2 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 56.171 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 623375

Ion Ratio Lower Upper

146 100

148 63.6 50.3 75.5

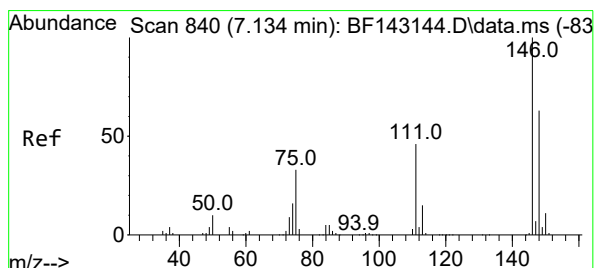
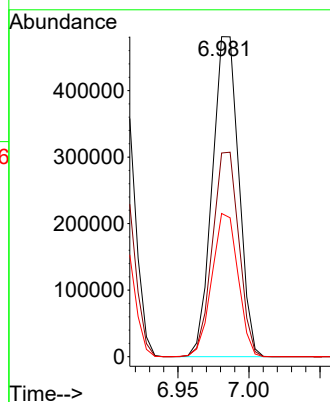
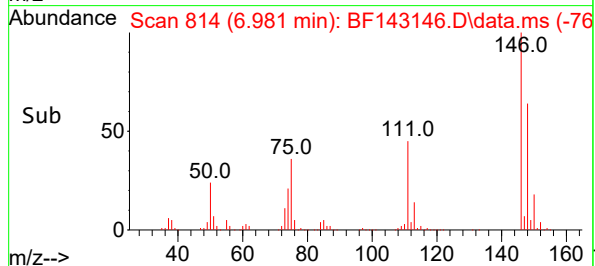
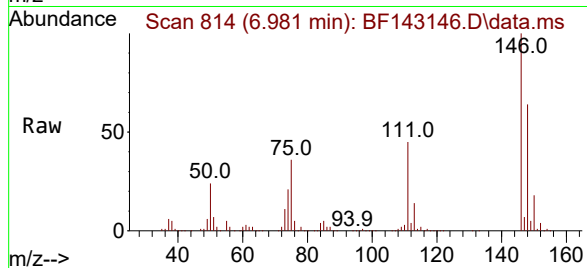
111 44.7 34.4 51.6

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 56.708 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

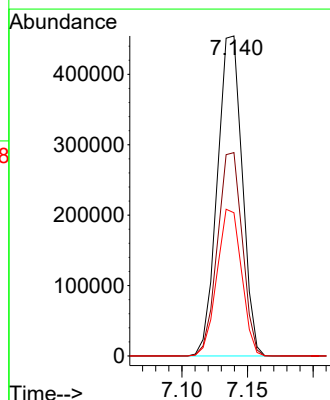
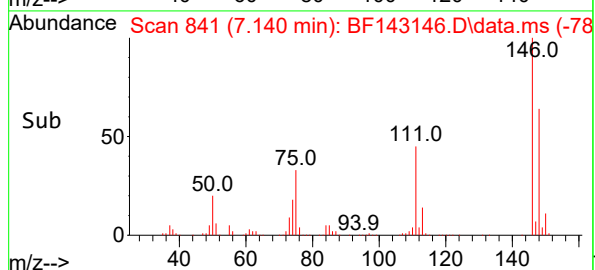
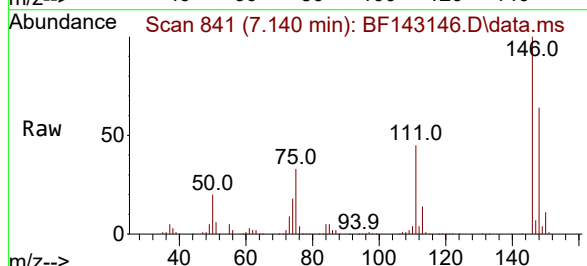
Tgt Ion:146 Resp: 598571

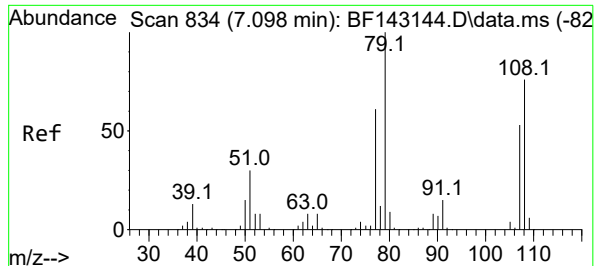
Ion Ratio Lower Upper

146 100

148 63.6 50.7 76.1

111 44.8 36.6 54.8





#15

Benzyl Alcohol

Concen: 58.934 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 54815

Ion Ratio Lower Upper

79 100

108 74.2 61.1 91.7

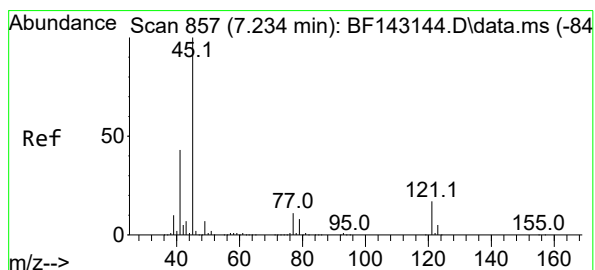
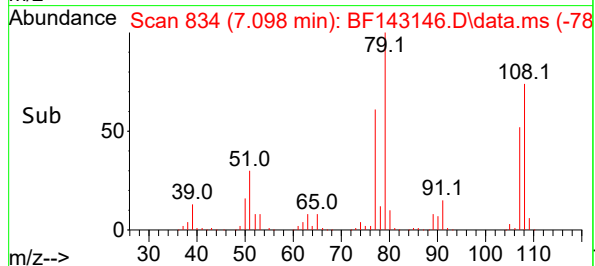
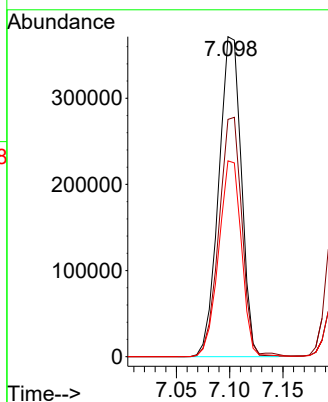
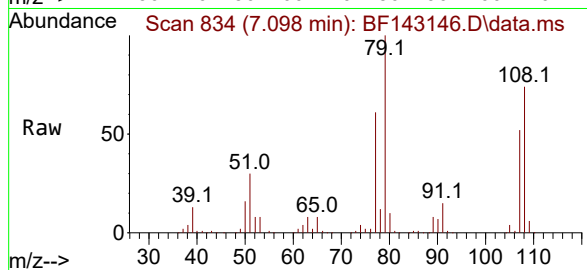
77 61.2 48.9 73.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 57.120 ng

RT: 7.240 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

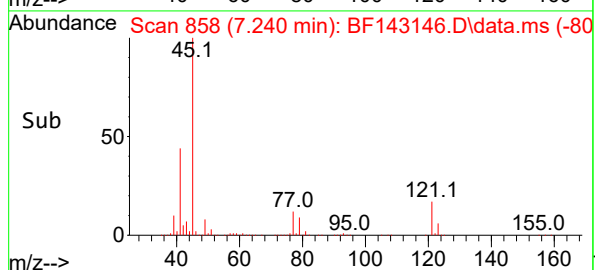
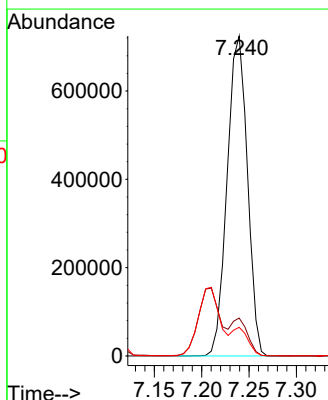
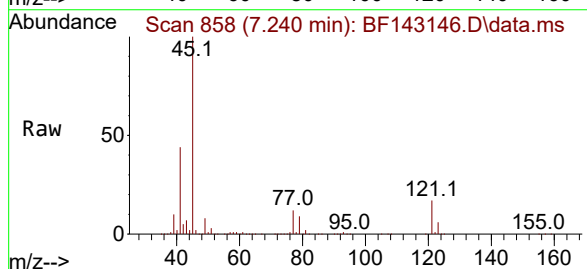
Tgt Ion: 45 Resp: 1076628

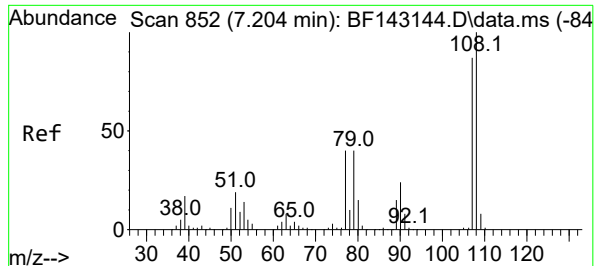
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.2

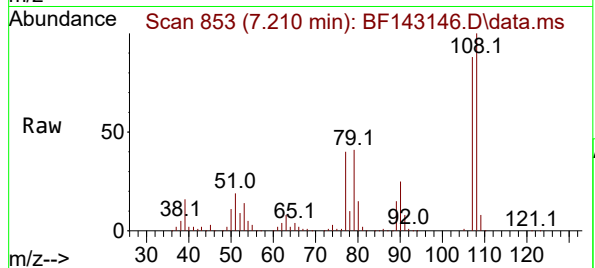
79 9.0 0.0 28.5





#17
2-Methylphenol
Concen: 58.393 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

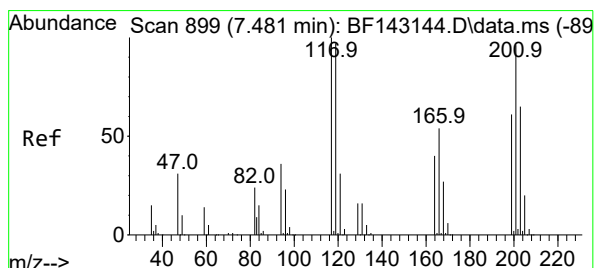
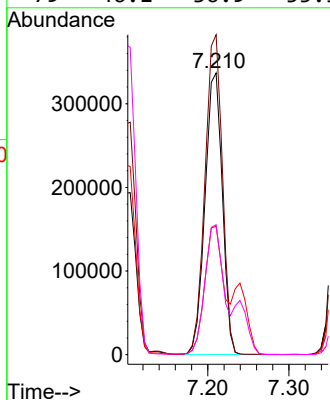
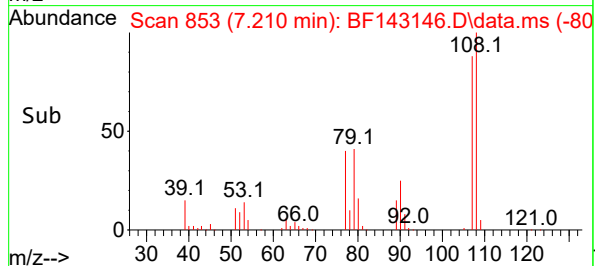
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:107 Resp: 49807
Ion Ratio Lower Upper
107 100
108 113.6 91.8 137.6
77 45.6 37.0 55.6
79 46.1 36.9 55.3

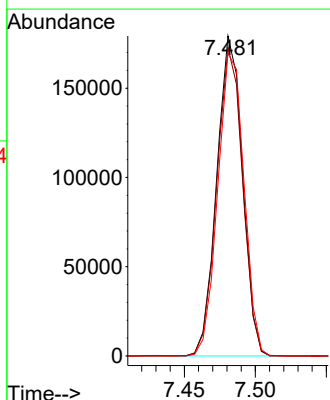
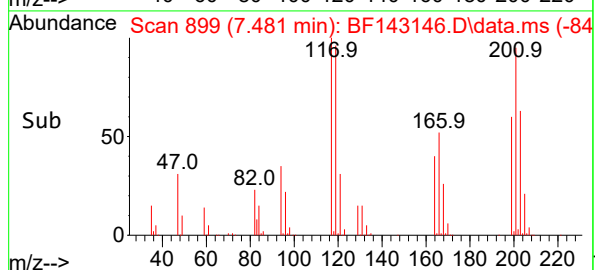
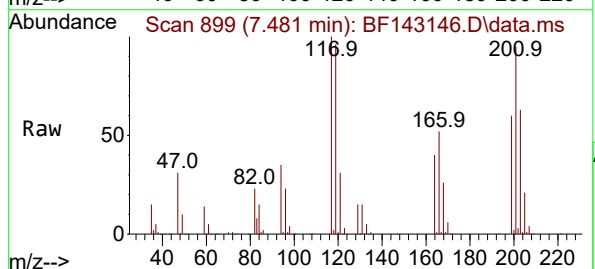
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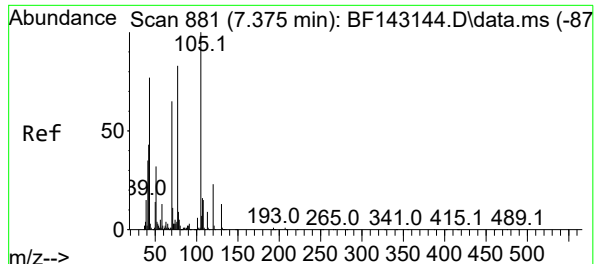
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 58.691 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:117 Resp: 225488
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.8
201 94.6 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 56.012 ng

RT: 7.381 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 437750

Ion Ratio Lower Upper

70 100

42 65.7 52.5 78.7

101 9.7 7.6 11.4

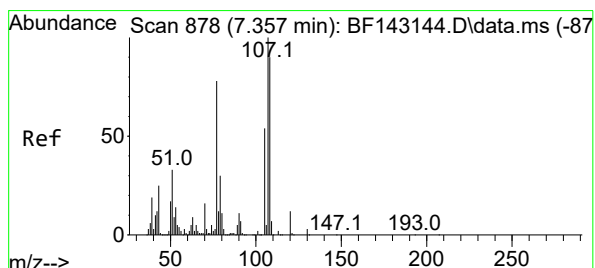
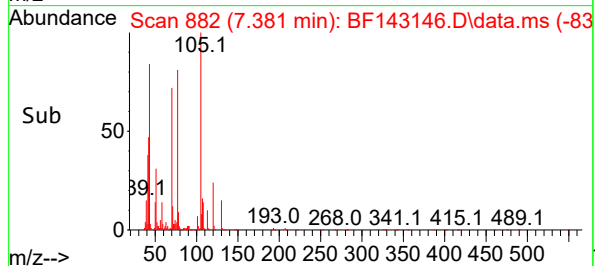
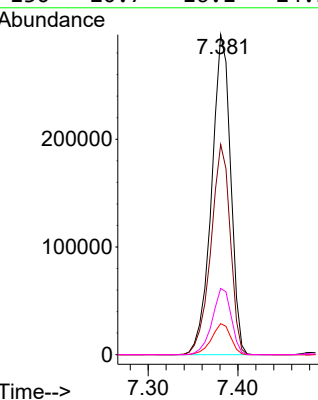
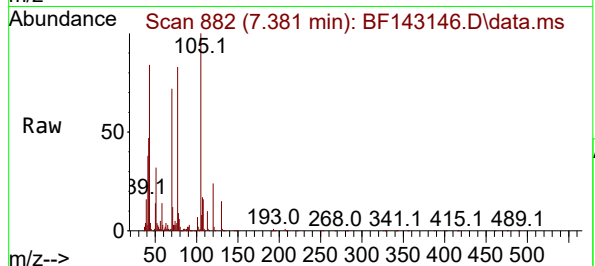
130 20.7 16.1 24.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#20

3+4-Methylphenols

Concen: 56.273 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Tgt Ion:107 Resp: 582354

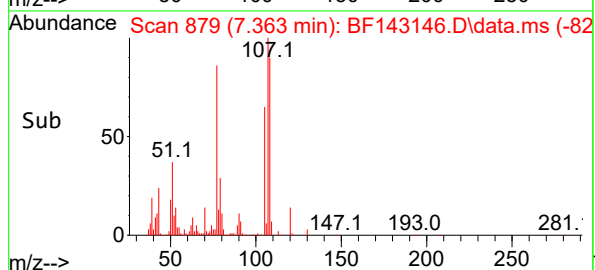
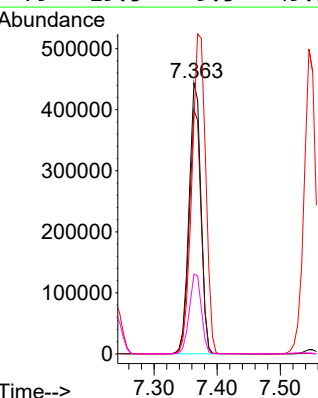
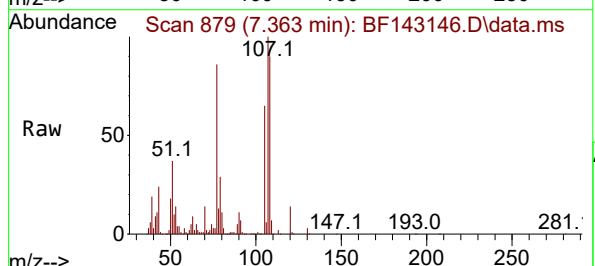
Ion Ratio Lower Upper

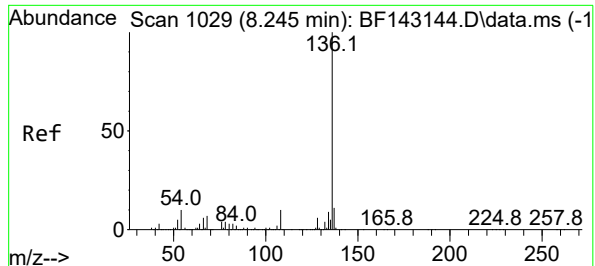
107 100

108 90.1 70.0 110.0

77 86.3 57.8 97.8

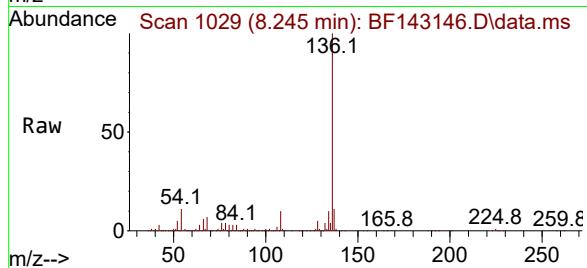
79 29.5 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

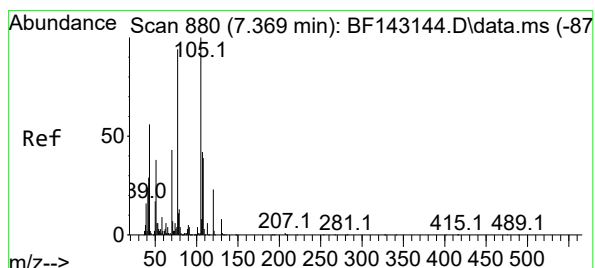
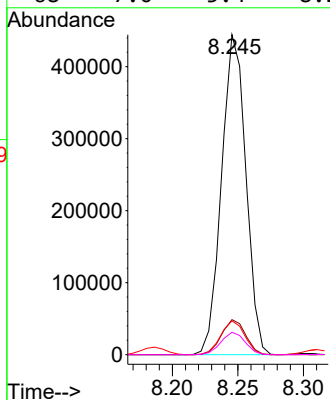
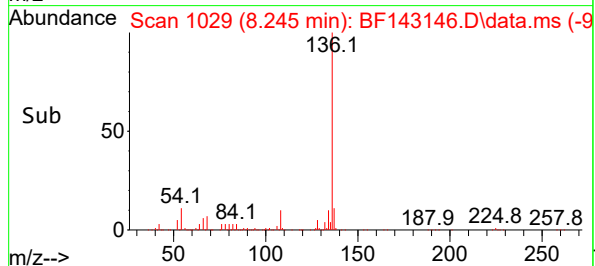
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 57354
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.6 8.2 12.2
68 7.0 5.4 8.2

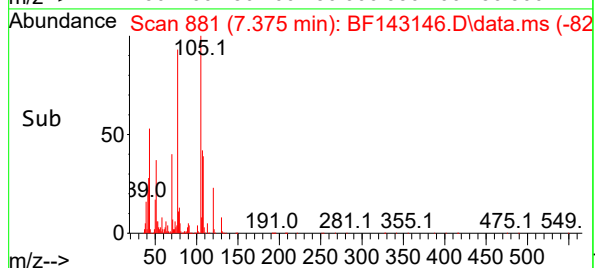
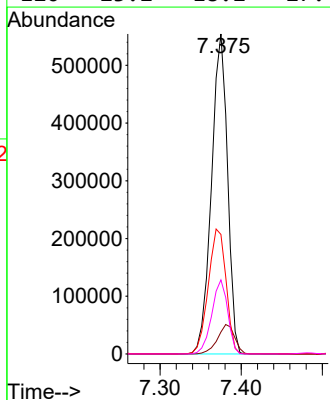
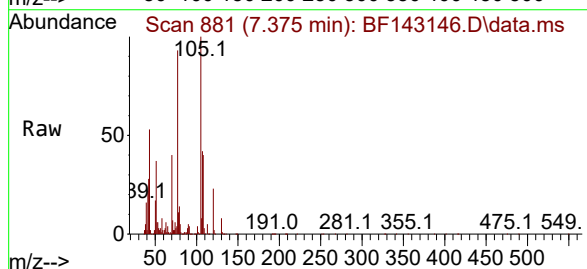
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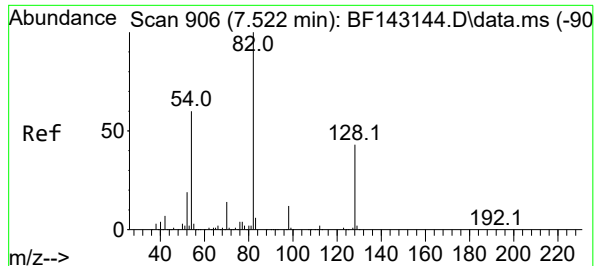
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 56.041 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:105 Resp: 760969
Ion Ratio Lower Upper
105 100
71 6.9 5.8 8.6
51 37.4 30.2 45.2
120 23.2 18.2 27.4





#23

Nitrobenzene-d5

Concen: 118.809 ng

RT: 7.528 min Scan# 906

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 1367018

Ion Ratio Lower Upper

82 100

128 43.1 33.6 50.4

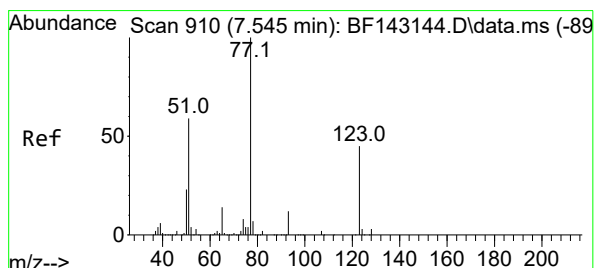
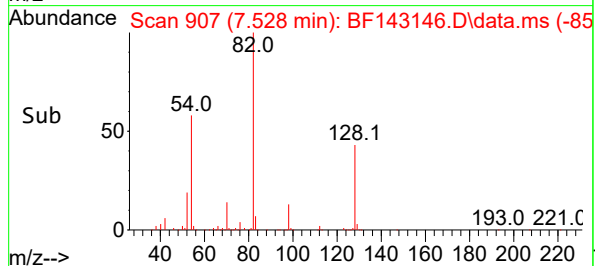
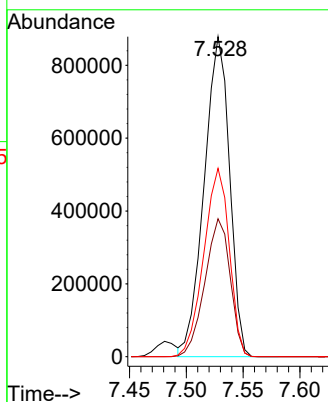
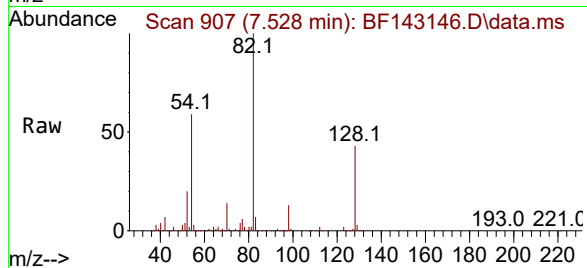
54 58.9 47.1 70.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 59.832 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

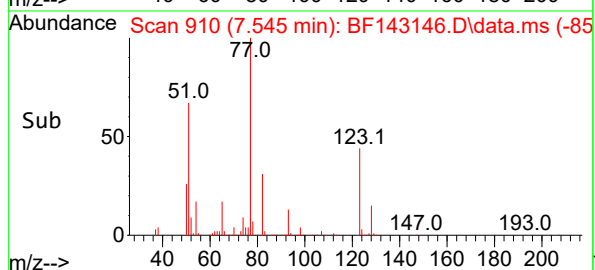
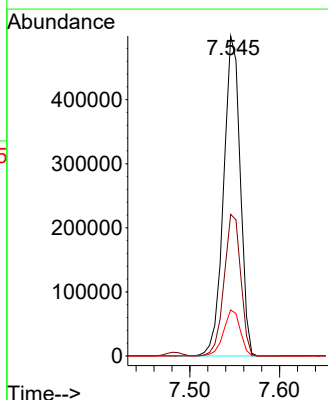
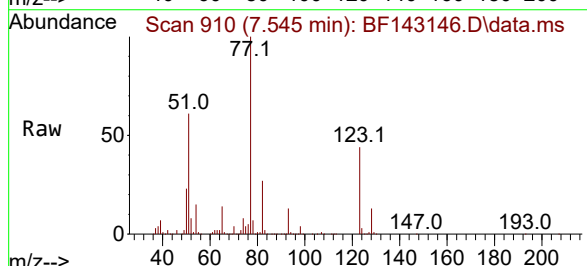
Tgt Ion: 77 Resp: 641832

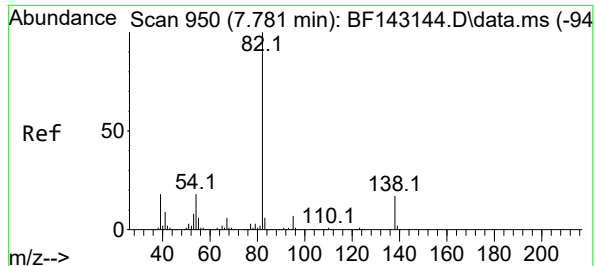
Ion Ratio Lower Upper

77 100

123 44.3 36.1 54.1

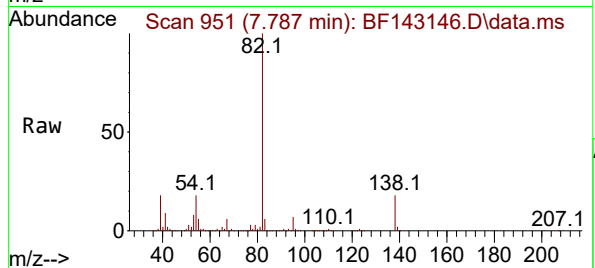
65 14.4 11.4 17.2





#25
Isophorone
Concen: 59.202 ng
RT: 7.787 min Scan# 951
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

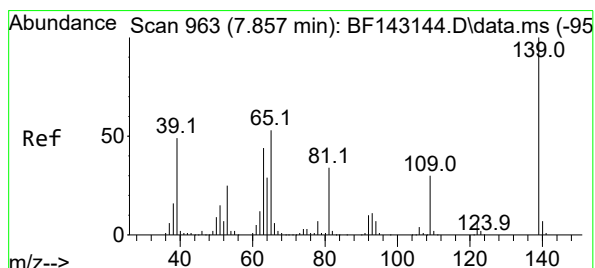
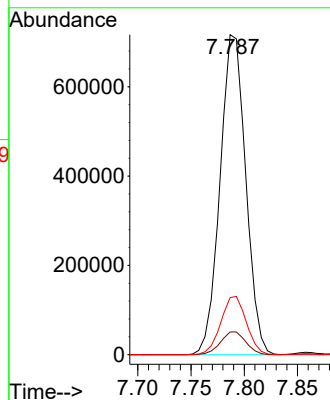
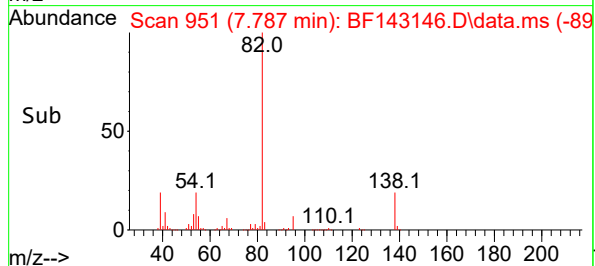
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 82 Resp: 1202500
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 17.9 13.8 20.8

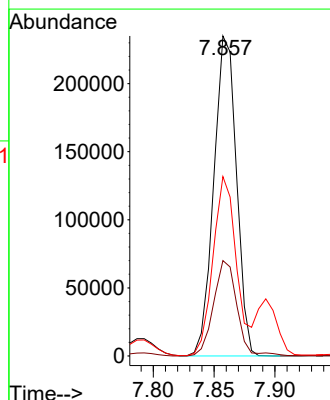
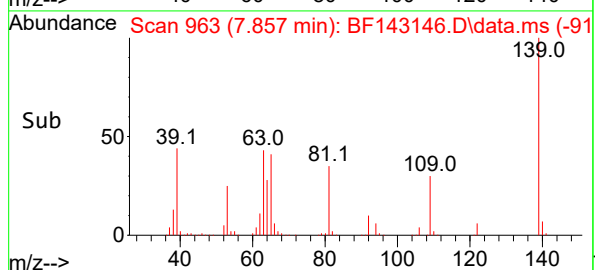
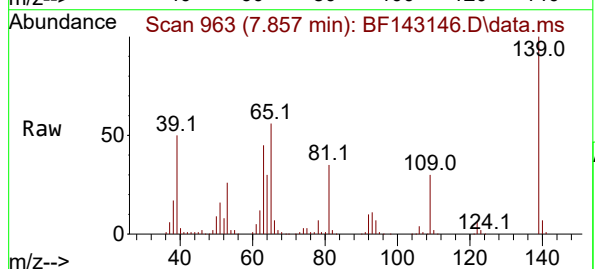
Manual Integrations
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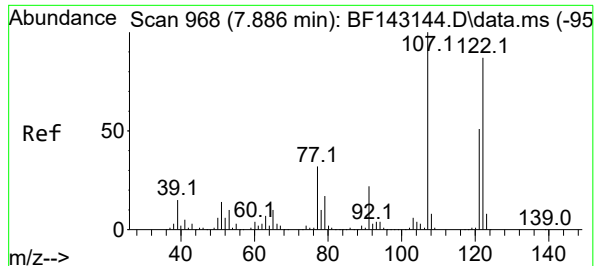
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 65.345 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:139 Resp: 304218
Ion Ratio Lower Upper
139 100
109 29.8 23.6 35.4
65 56.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 57.833 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:122 Resp: 54882

Ion Ratio Lower Upper

122 100

107 116.0 91.8 137.6

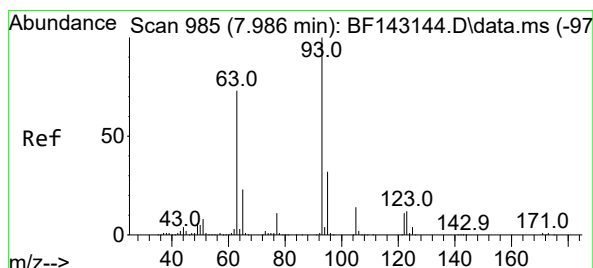
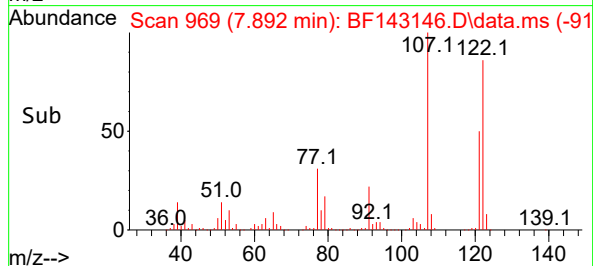
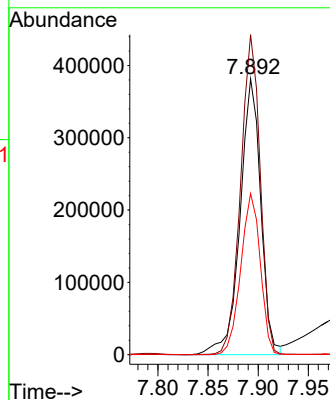
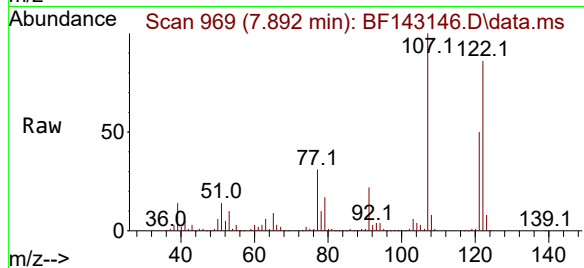
121 58.4 46.3 69.5

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 57.184 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

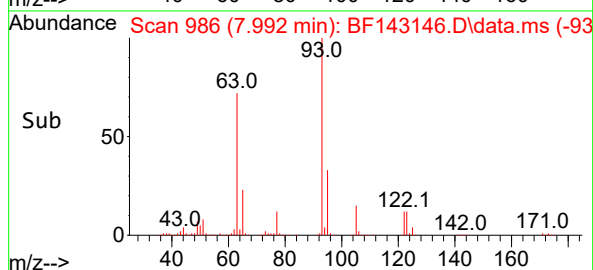
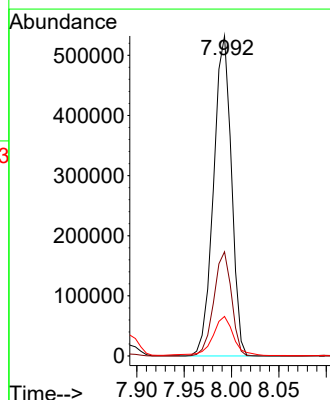
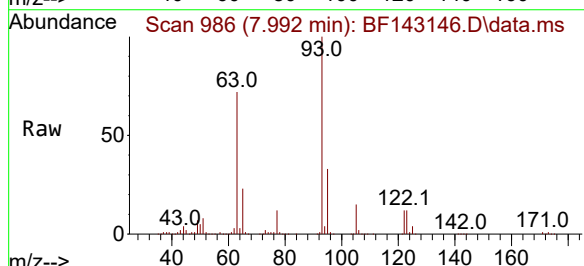
Tgt Ion: 93 Resp: 696403

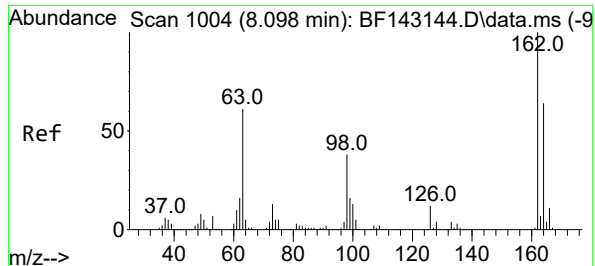
Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.6

123 12.4 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 58.329 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143146.D

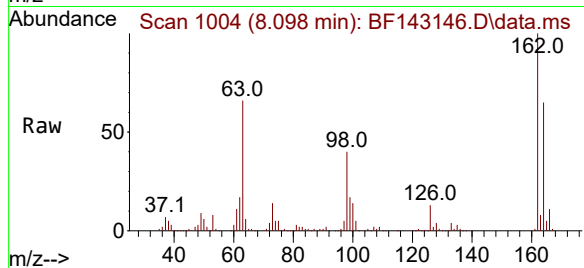
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:162 Resp: 466809

Ion Ratio Lower Upper

162 100

164 64.9 44.2 84.2

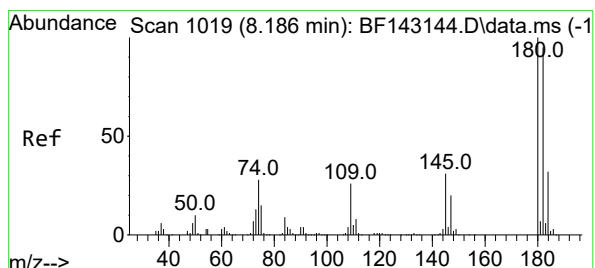
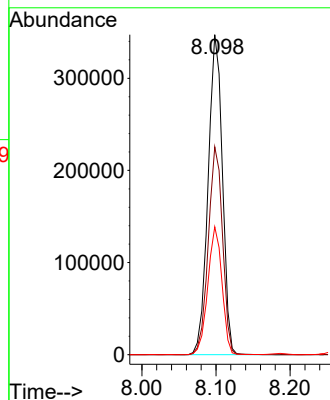
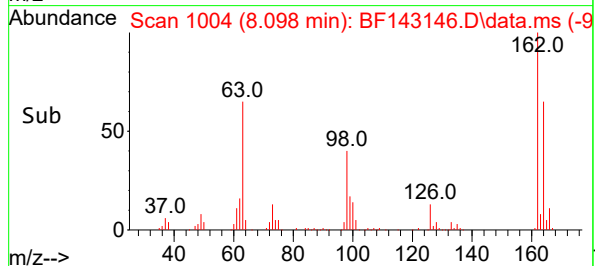
98 39.9 17.9 57.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 57.653 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

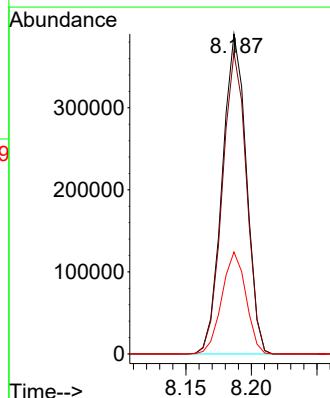
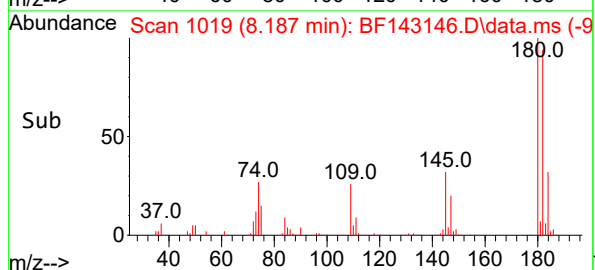
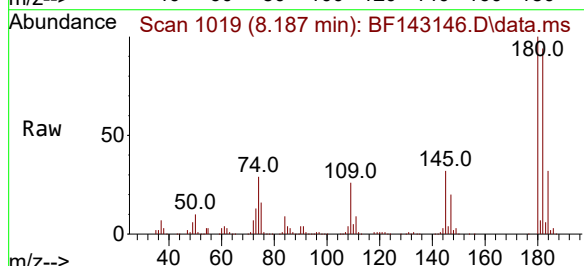
Tgt Ion:180 Resp: 498478

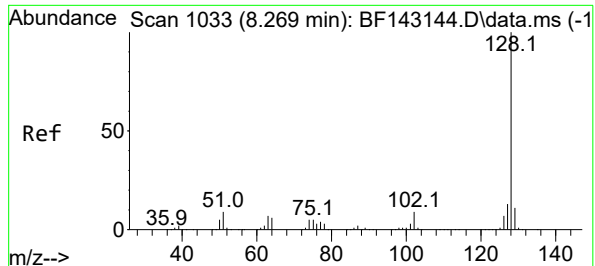
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

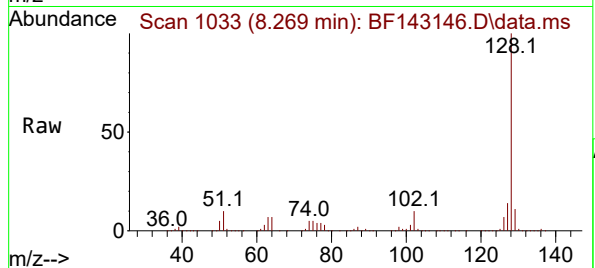
145 31.8 25.0 37.6





#31
Naphthalene
Concen: 55.784 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

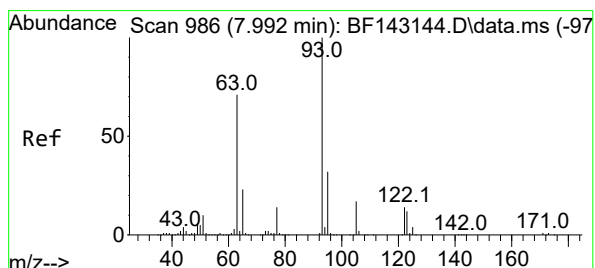
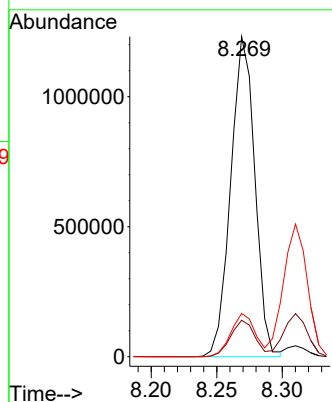
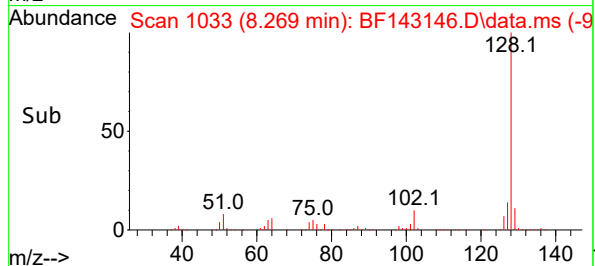
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:128 Resp: 1575690
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.5 10.6 16.0

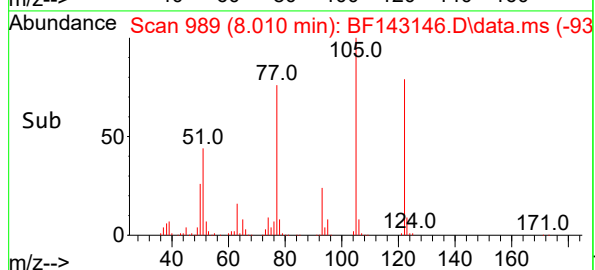
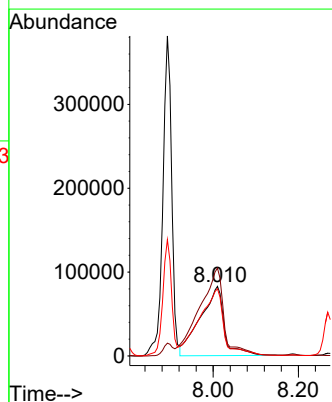
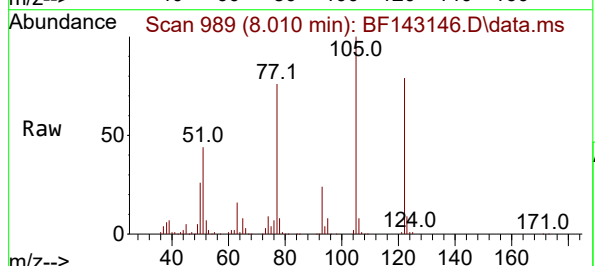
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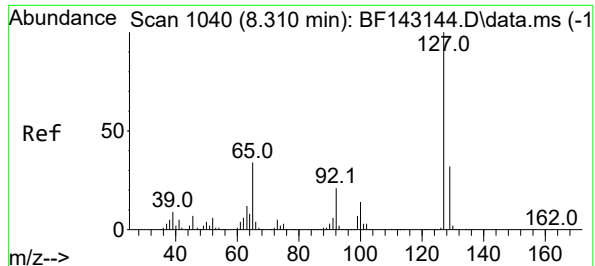
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 58.961 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

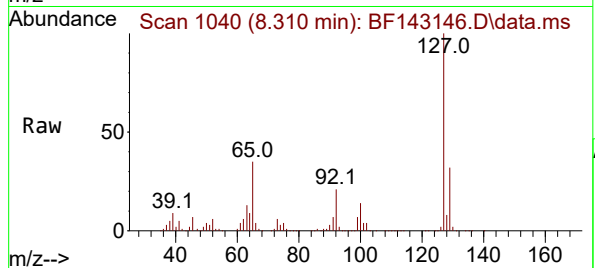
Tgt Ion:122 Resp: 321703
Ion Ratio Lower Upper
122 100
105 126.3 104.8 144.8
77 96.5 77.6 117.6





#33
4-Chloroaniline
Concen: 57.178 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

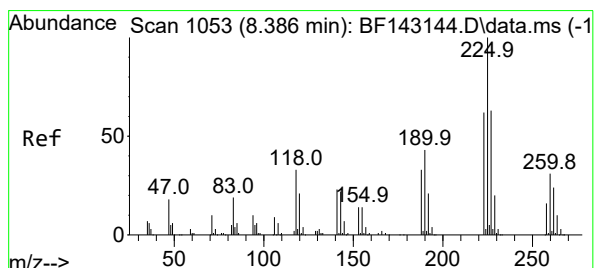
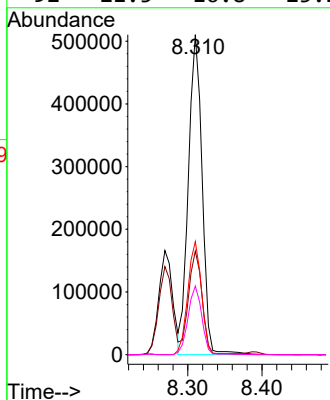
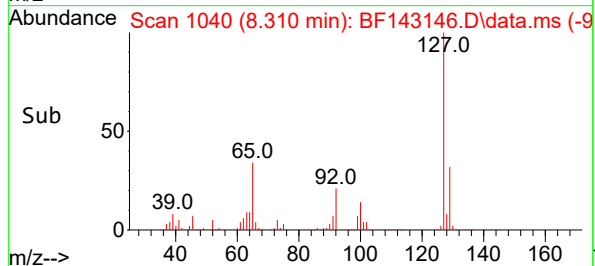
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



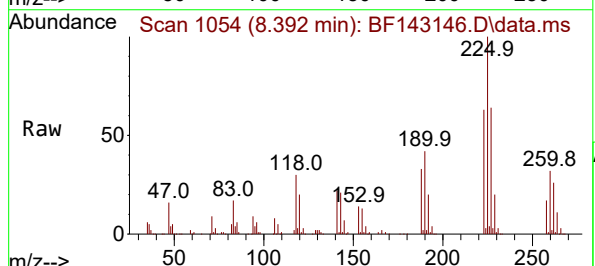
Tgt Ion:127 Resp: 65946
Ion Ratio Lower Upper
127 100
129 32.4 26.0 39.0
65 35.3 27.4 41.2
92 21.5 16.8 25.2

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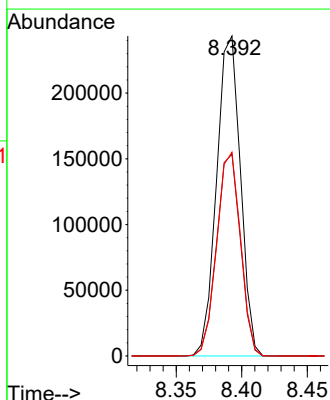
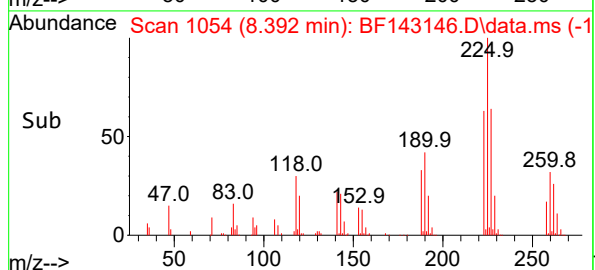
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

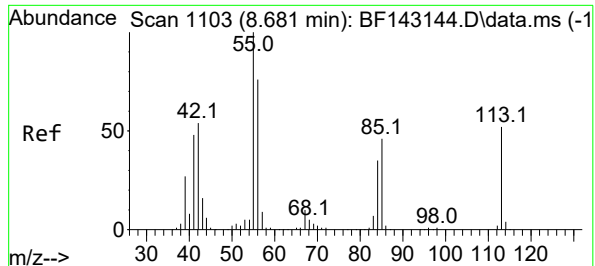


#34
Hexachlorobutadiene
Concen: 58.230 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



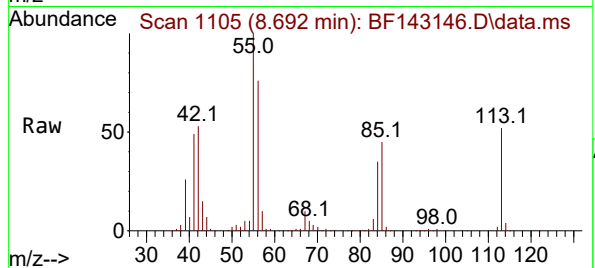
Tgt Ion:225 Resp: 307552
Ion Ratio Lower Upper
225 100
223 63.0 49.8 74.6
227 63.7 50.2 75.4





#35
 Caprolactam
 Concen: 60.327 ng
 RT: 8.692 min Scan# 1105
 Delta R.T. 0.012 min
 Lab File: BF143146.D
 Acq: 17 Jul 2025 14:04

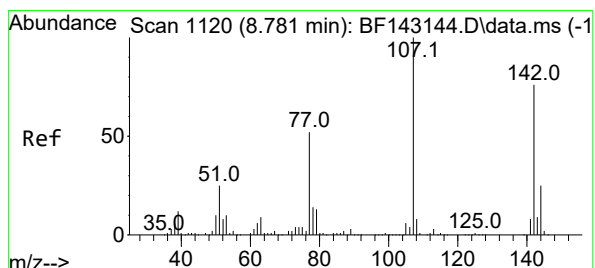
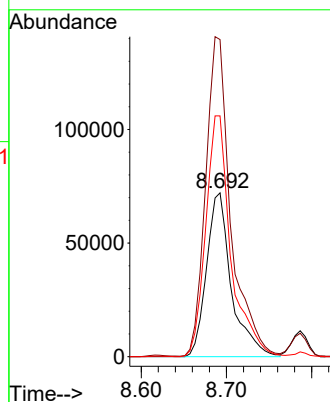
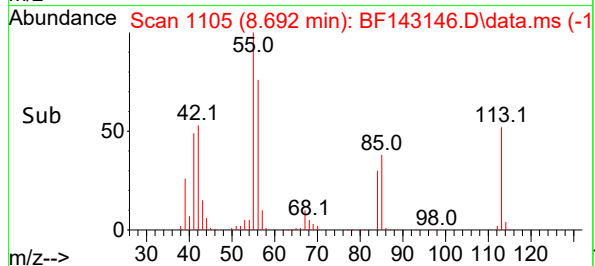
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060



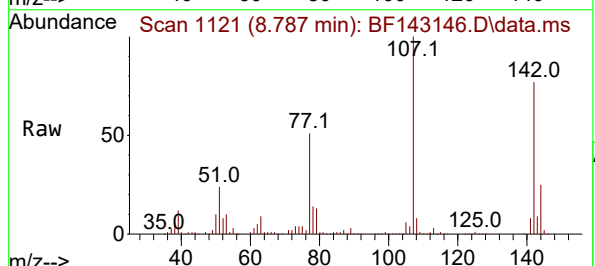
Tgt Ion:113 Resp: 145894
 Ion Ratio Lower Upper
 113 100
 55 193.5 174.0 214.0
 56 146.9 126.6 166.6

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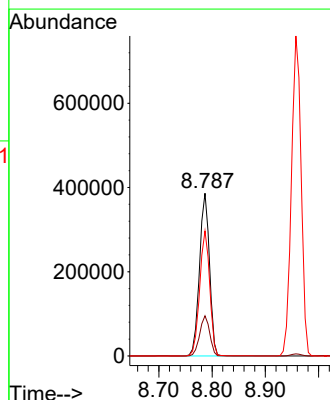
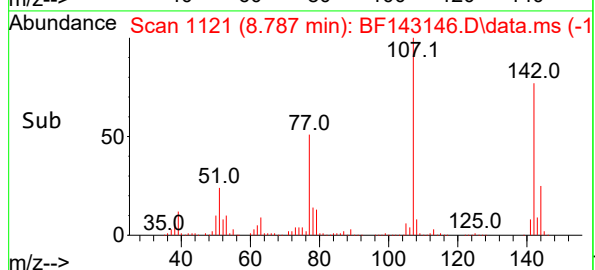
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

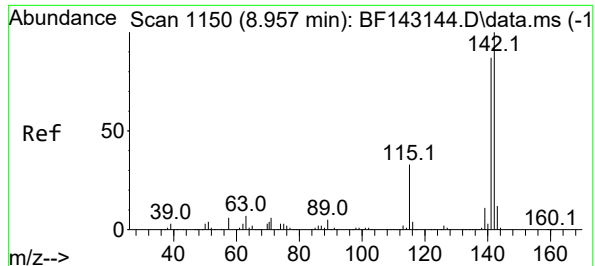


#36
 4-Chloro-3-methylphenol
 Concen: 58.186 ng
 RT: 8.787 min Scan# 1121
 Delta R.T. 0.006 min
 Lab File: BF143146.D
 Acq: 17 Jul 2025 14:04



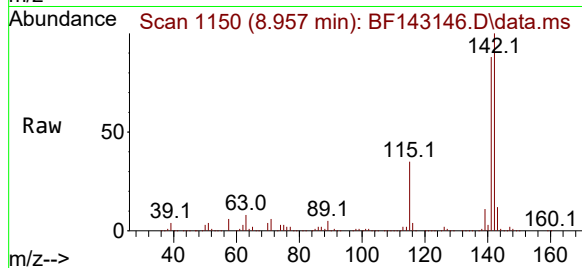
Tgt Ion:107 Resp: 506142
 Ion Ratio Lower Upper
 107 100
 144 24.7 19.8 29.6
 142 76.9 60.6 90.8





#37
2-Methylnaphthalene
Concen: 56.203 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

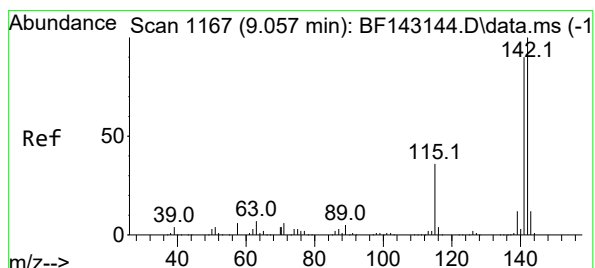
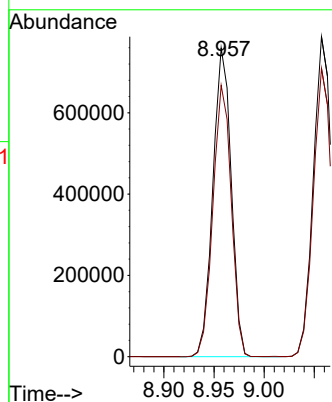
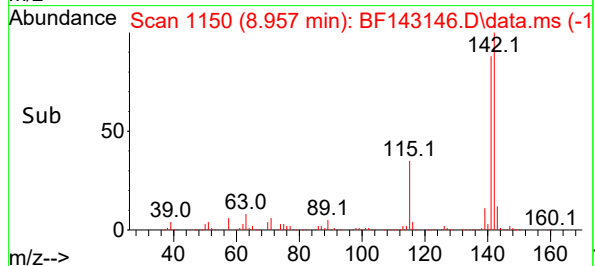
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:142 Resp: 96603
Ion Ratio Lower Upper
142 100
141 87.9 69.9 104.9

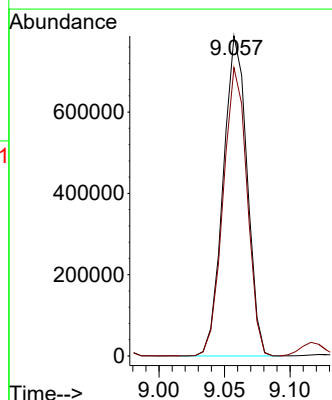
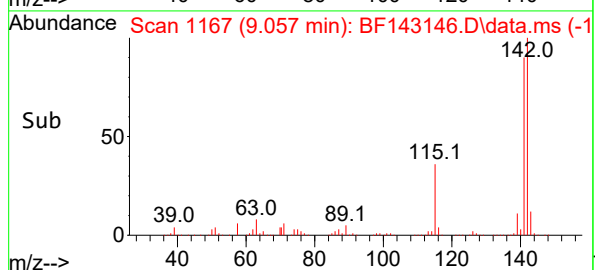
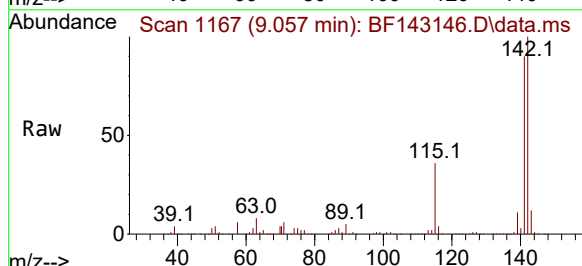
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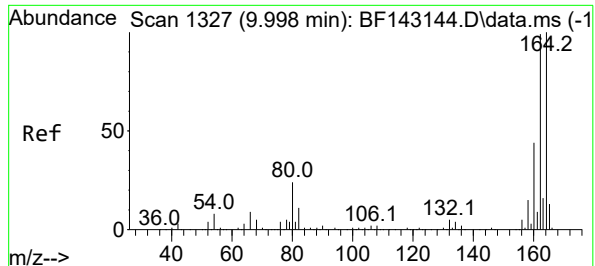
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 56.329 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:142 Resp: 997009
Ion Ratio Lower Upper
142 100
141 90.1 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143146.D

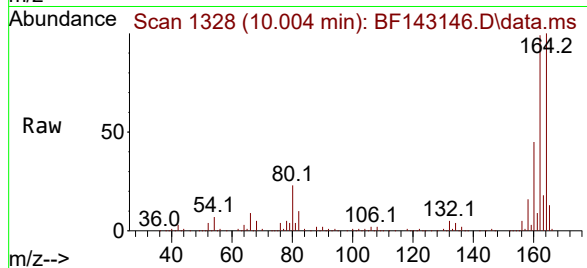
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:164 Resp: 286544

Ion Ratio Lower Upper

164 100

162 99.1 79.0 118.6

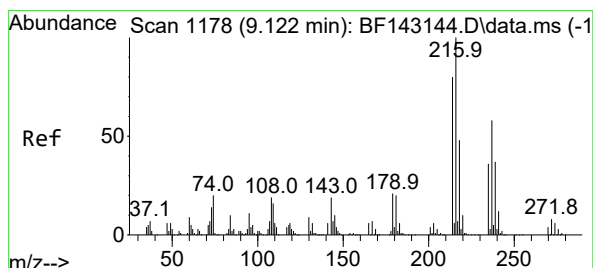
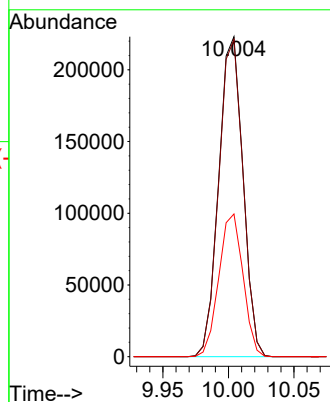
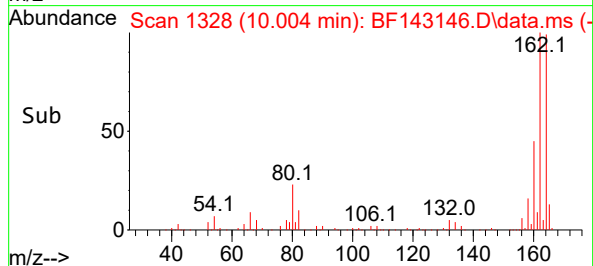
160 44.6 35.1 52.7

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

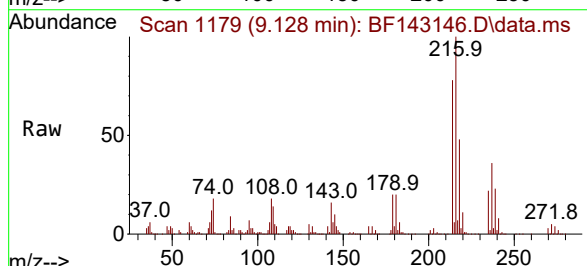
Concen: 57.955 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04



Tgt Ion:216 Resp: 479450

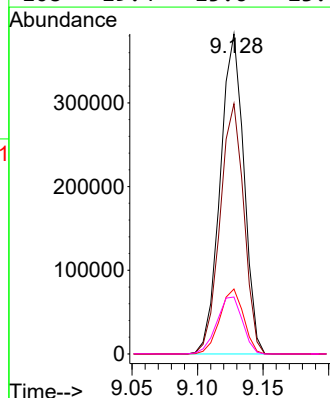
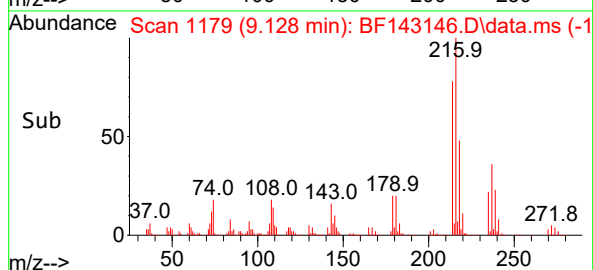
Ion Ratio Lower Upper

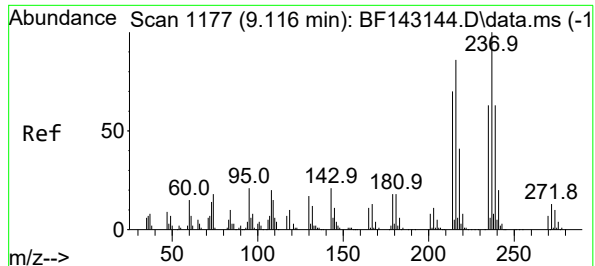
216 100

214 78.4 63.8 95.8

179 20.4 16.4 24.6

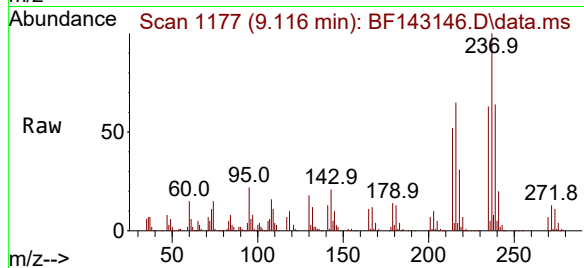
108 19.4 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 62.761 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

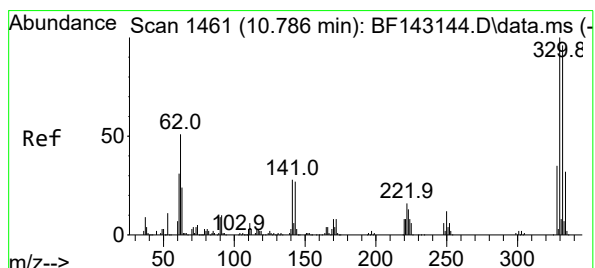
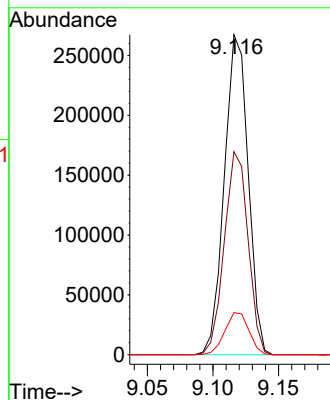
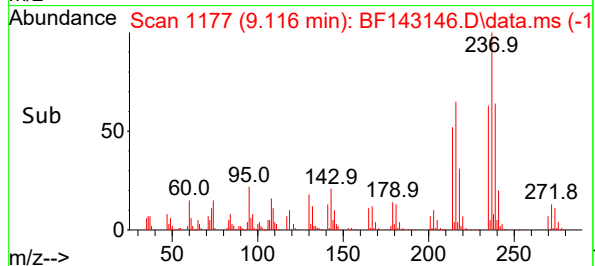
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



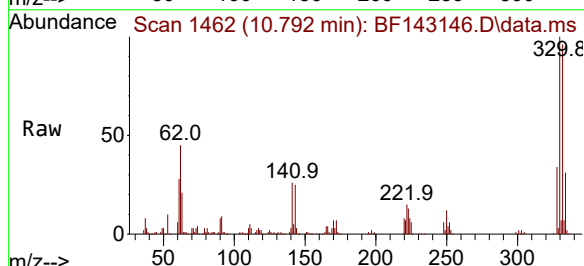
Tgt Ion:237 Resp: 33783
Ion Ratio Lower Upper
237 100
235 63.4 43.0 83.0
272 13.2 0.0 33.3

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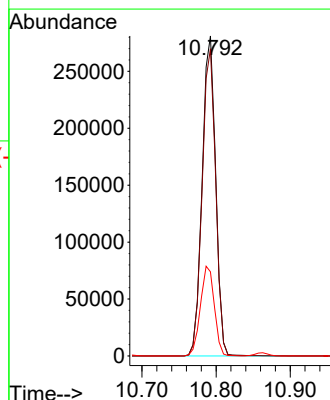
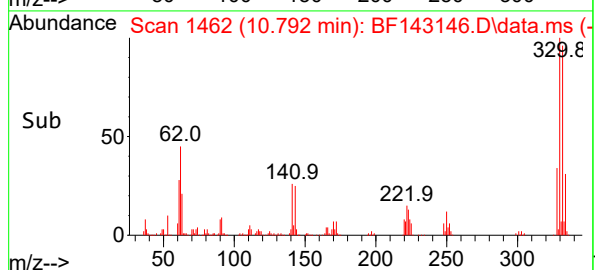
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

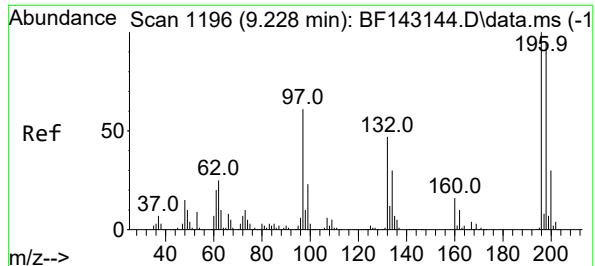


#42
2,4,6-Tribromophenol
Concen: 119.817 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



Tgt Ion:330 Resp: 354678
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 28.9 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 60.246 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143146.D

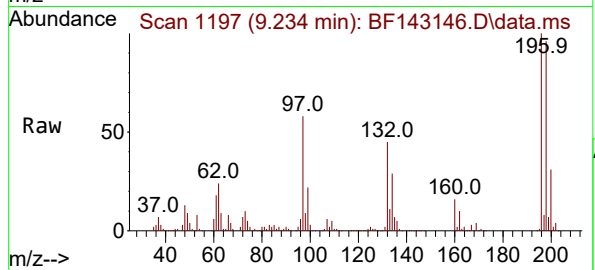
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 34494

Ion Ratio Lower Upper

196 100

198 95.8 76.2 114.2

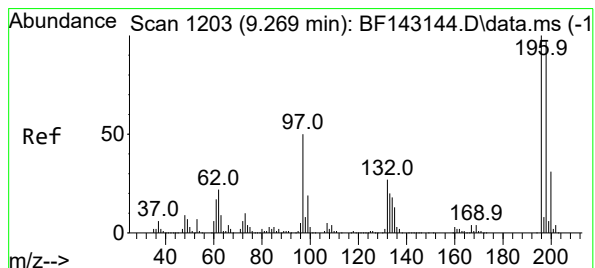
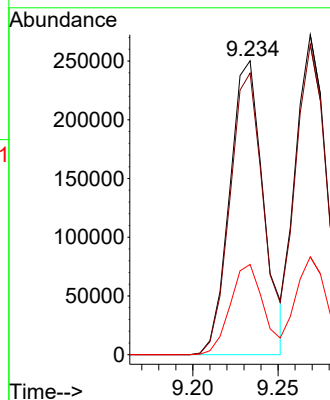
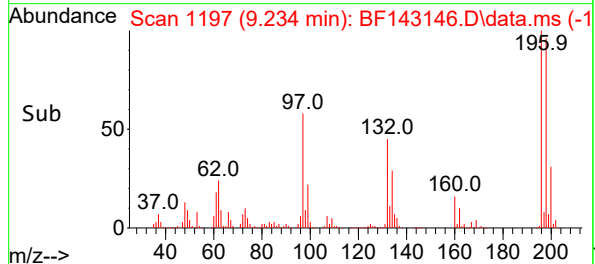
200 30.7 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

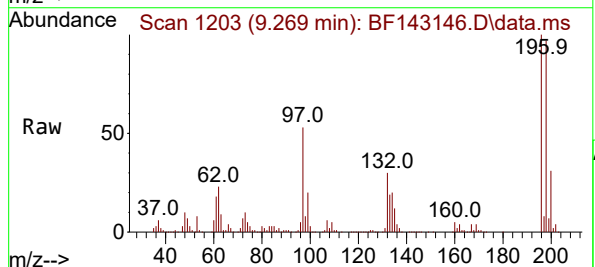
Concen: 59.305 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04



Tgt Ion:196 Resp: 339656

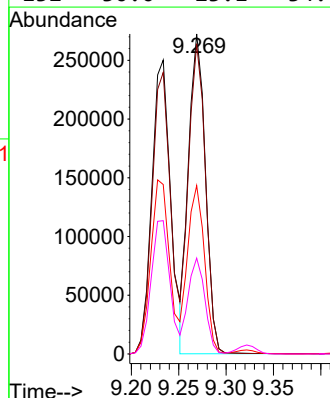
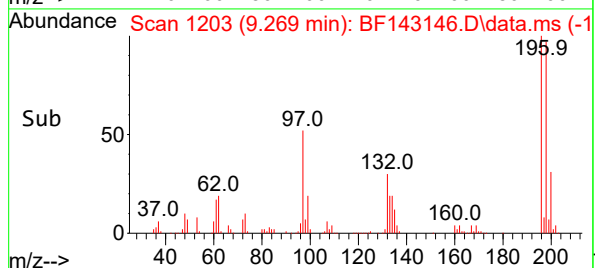
Ion Ratio Lower Upper

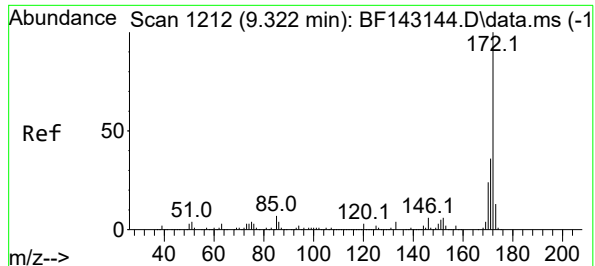
196 100

198 96.9 77.3 115.9

97 52.6 40.3 60.5

132 30.0 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 108.558 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:172 Resp: 2274500

Ion Ratio Lower Upper

172 100

171 36.0 28.6 42.8

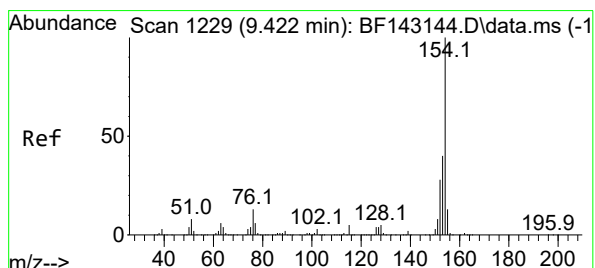
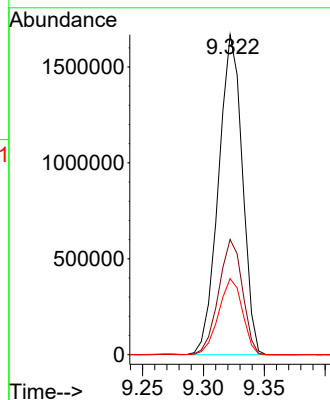
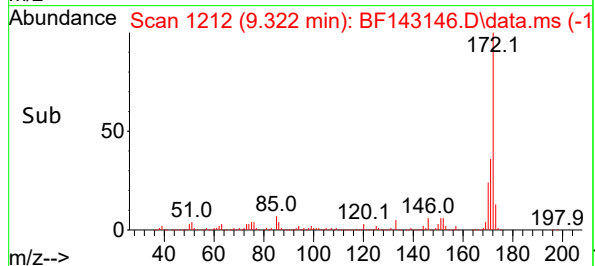
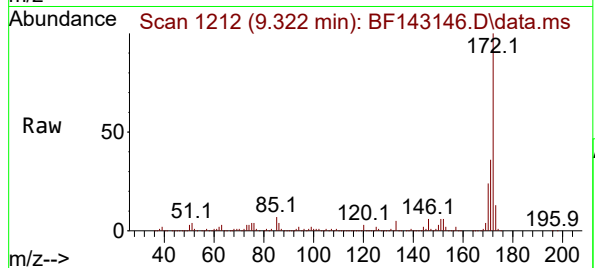
170 23.7 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 56.610 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

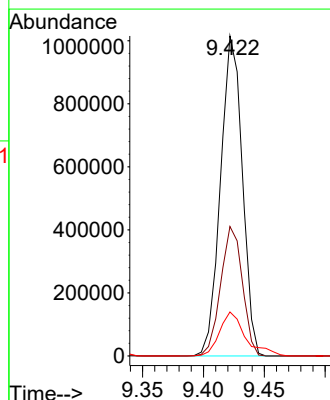
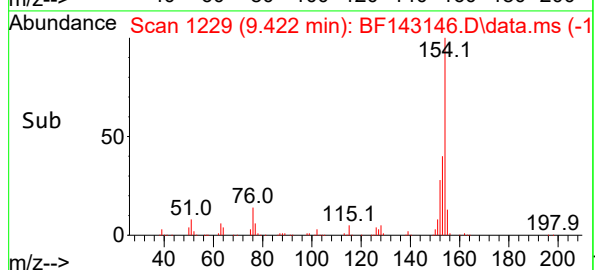
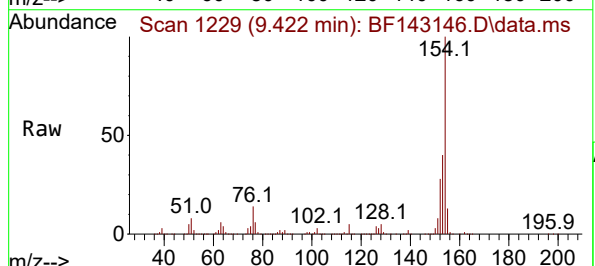
Tgt Ion:154 Resp: 1265588

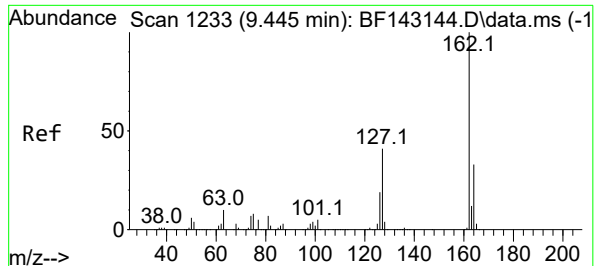
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 57.364 ng

RT: 9.451 min Scan# 1233

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

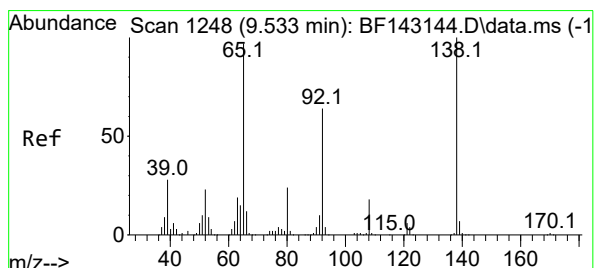
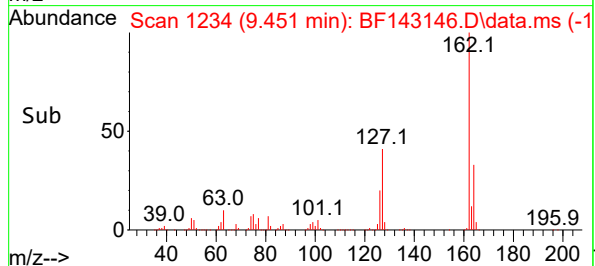
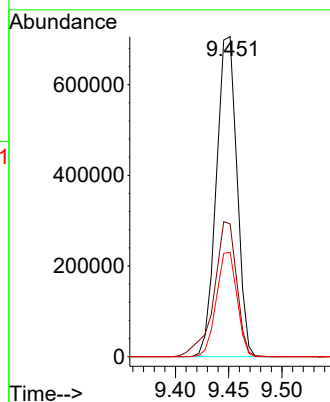
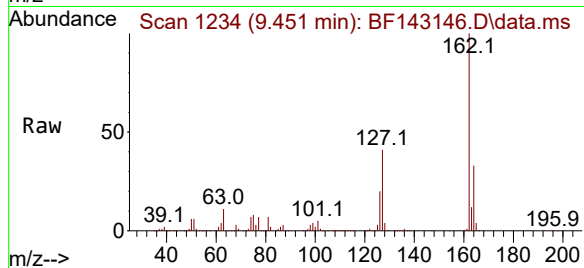
Tgt Ion:162 Resp: 948912
Ion Ratio Lower Upper
162 100
127 41.5 33.4 50.2
164 32.6 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

Concen: 63.904 ng

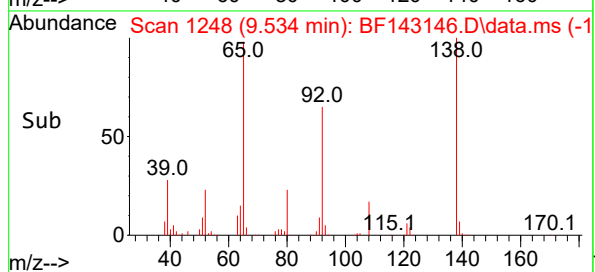
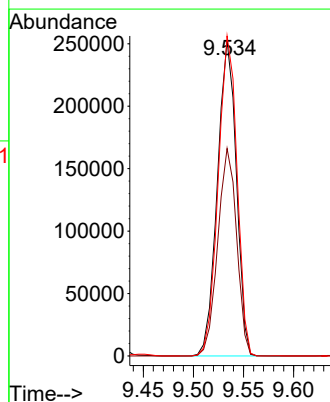
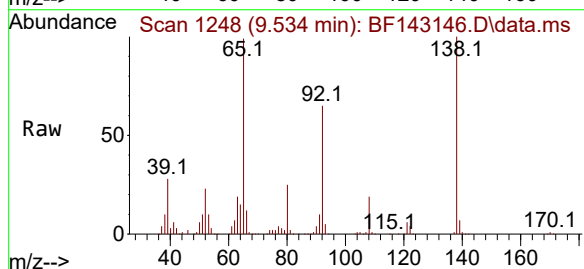
RT: 9.534 min Scan# 1248

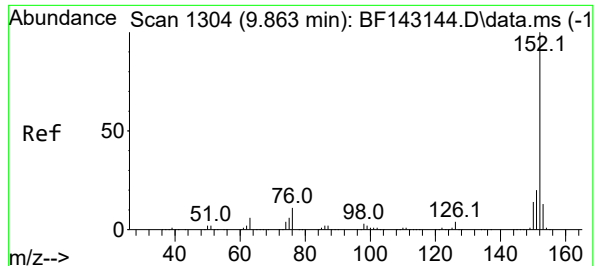
Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Tgt Ion: 65 Resp: 331501
Ion Ratio Lower Upper
65 100
92 65.8 52.4 78.6
138 101.5 82.3 123.5





#49

Acenaphthylene

Concen: 56.860 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143146.D

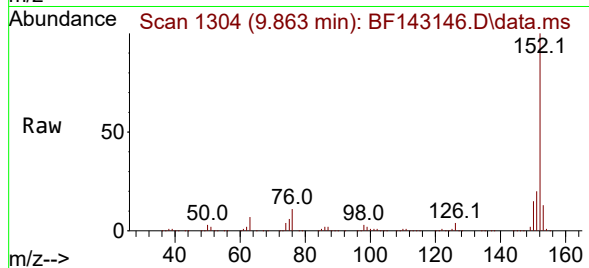
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:152 Resp: 1576240

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

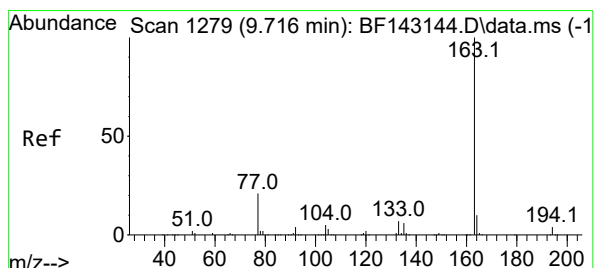
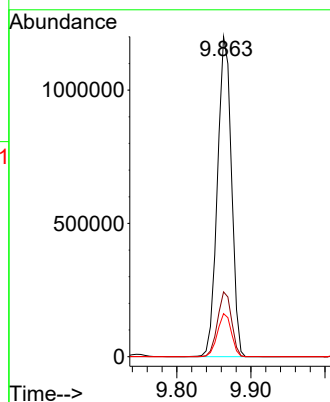
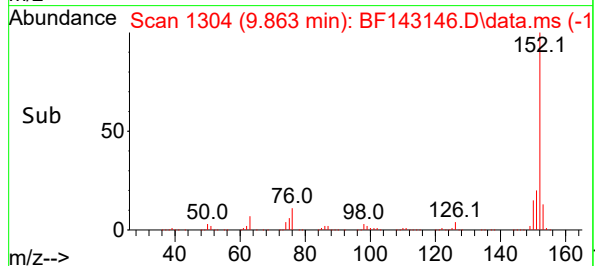
153 13.5 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

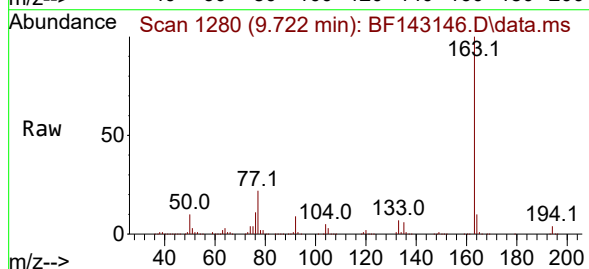
Concen: 57.558 ng

RT: 9.722 min Scan# 1280

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04



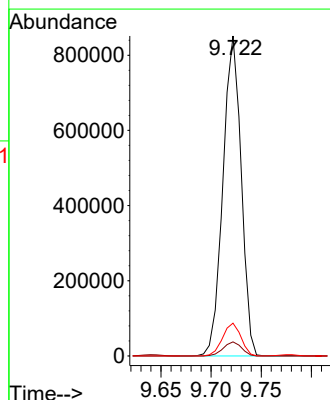
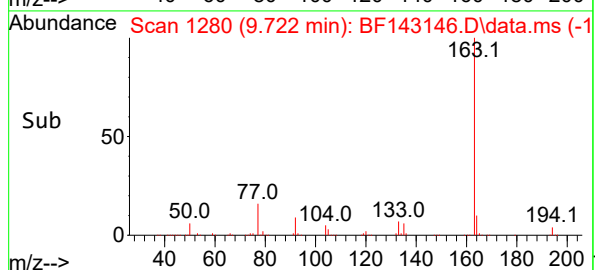
Tgt Ion:163 Resp: 1075052

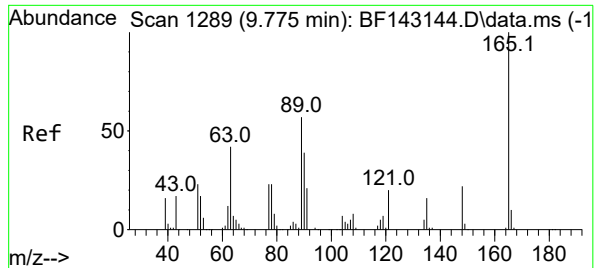
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

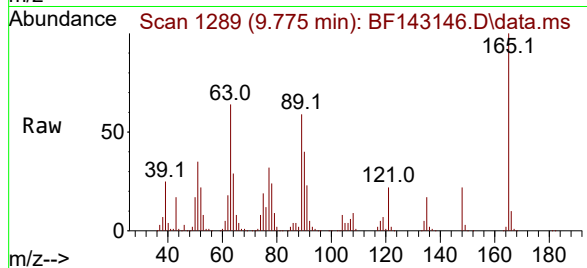
164 10.3 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 62.665 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

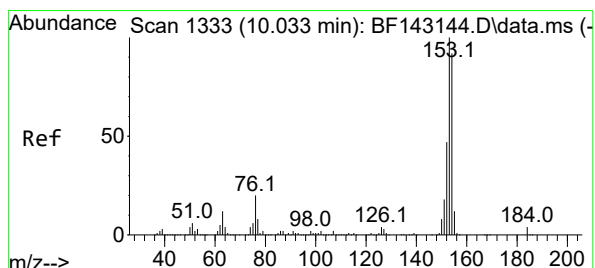
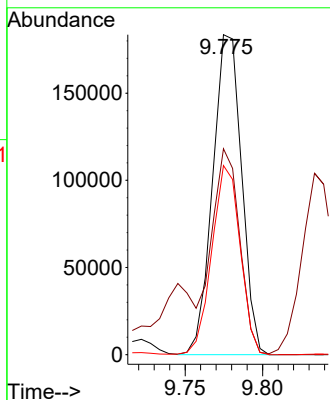
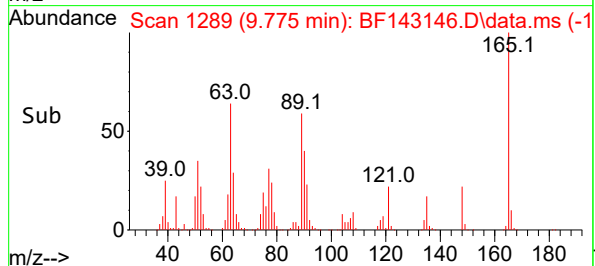
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 23810
Ion Ratio Lower Upper
165 100
63 64.4 49.4 74.2
89 59.1 46.2 69.2

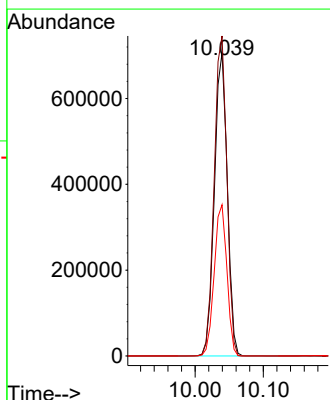
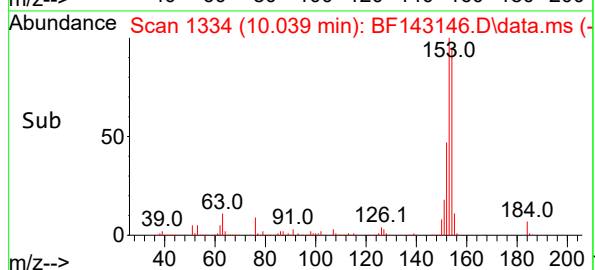
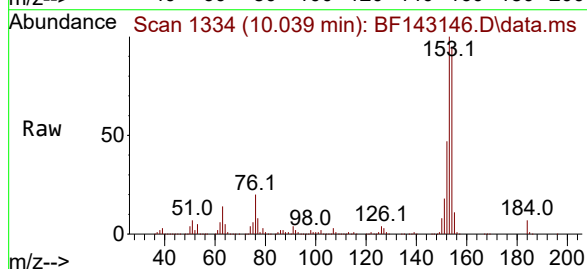
Manual Integrations
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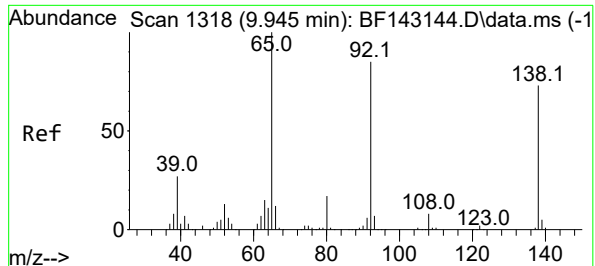
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 56.814 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

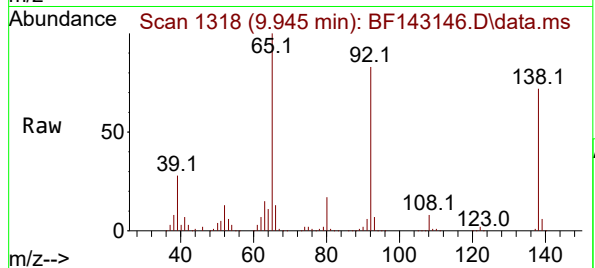
Tgt Ion:154 Resp: 930883
Ion Ratio Lower Upper
154 100
153 105.6 86.6 129.8
152 49.9 40.4 60.6





#53
3-Nitroaniline
Concen: 61.542 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

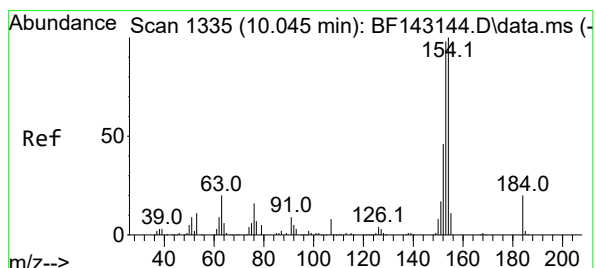
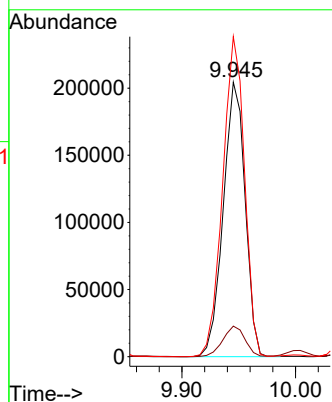
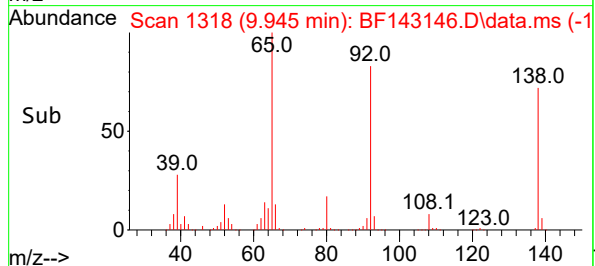
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:138 Resp: 273500
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.6
92 116.5 93.0 139.4

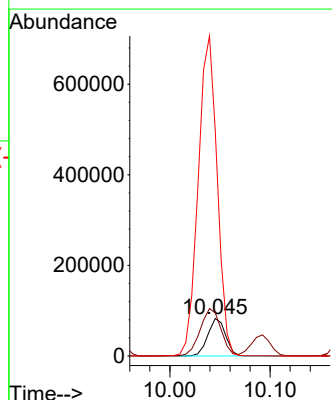
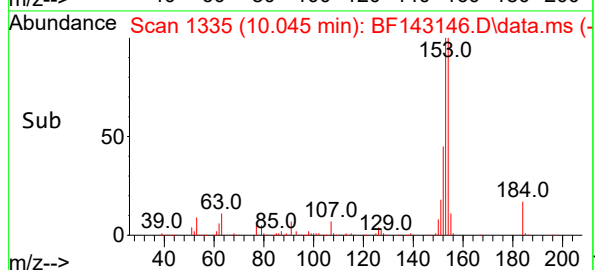
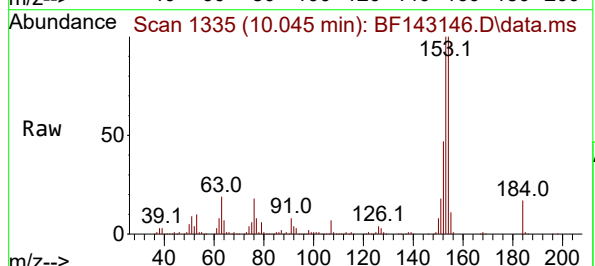
Manual Integrations
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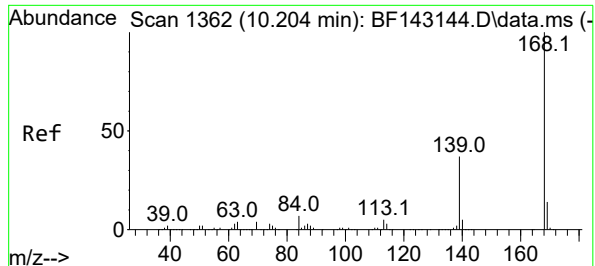
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 60.690 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:184 Resp: 101491
Ion Ratio Lower Upper
184 100
63 115.6 81.8 122.6
154 603.3 412.2 618.4





#55

Dibenzenofuran

Concen: 56.093 ng

RT: 10.210 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 136453

Ion Ratio Lower Upper

168 100

139 36.7 29.5 44.3

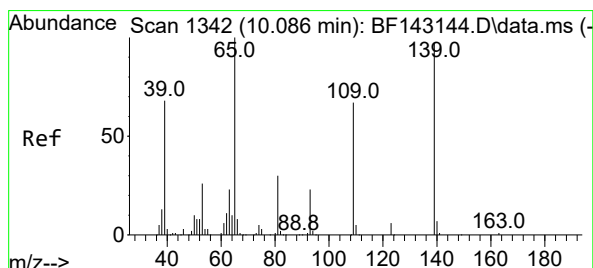
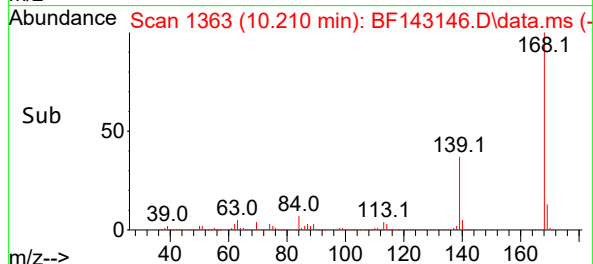
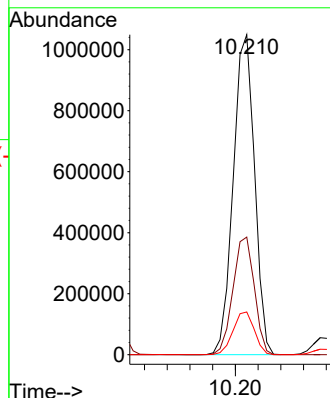
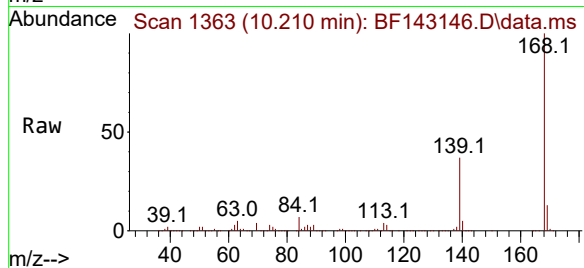
169 13.4 10.9 16.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#56

4-Nitrophenol

Concen: 61.312 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

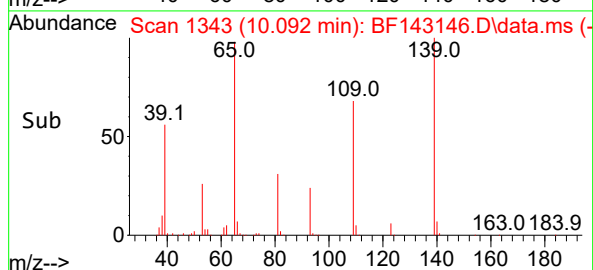
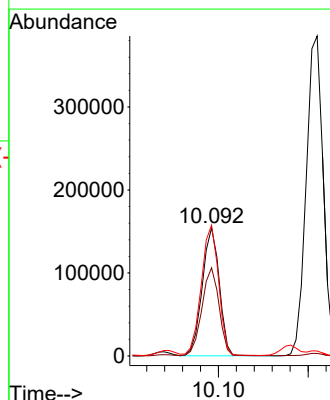
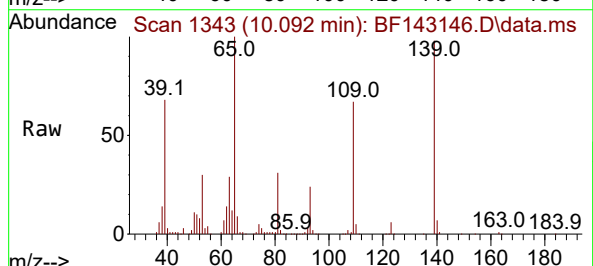
Tgt Ion:139 Resp: 203477

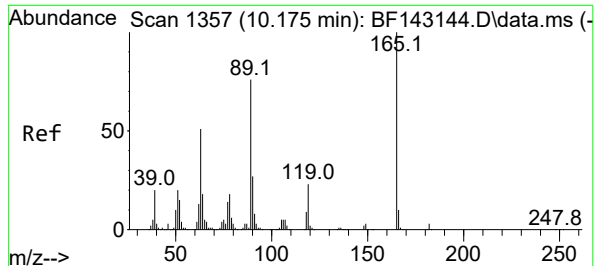
Ion Ratio Lower Upper

139 100

109 68.7 48.5 88.5

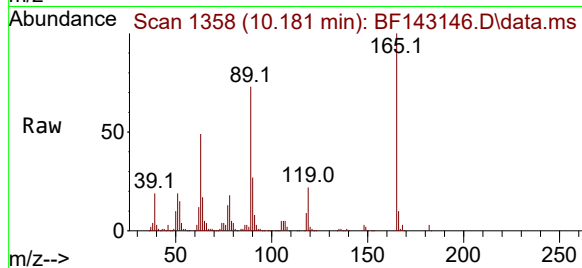
65 102.2 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 63.868 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

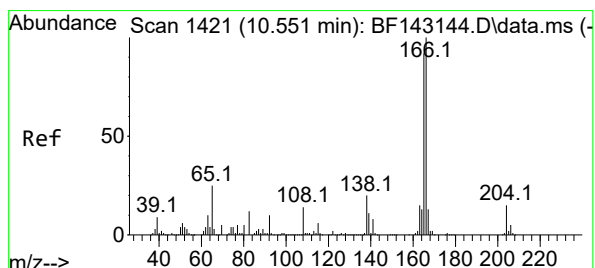
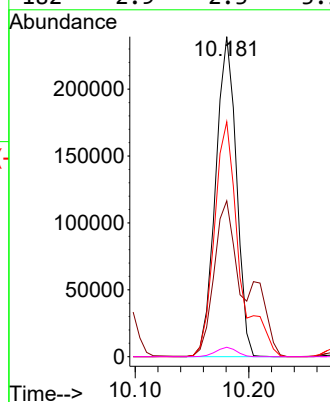
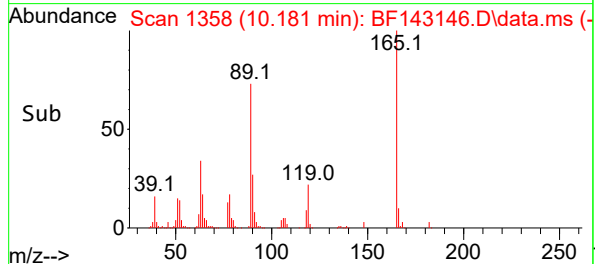
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



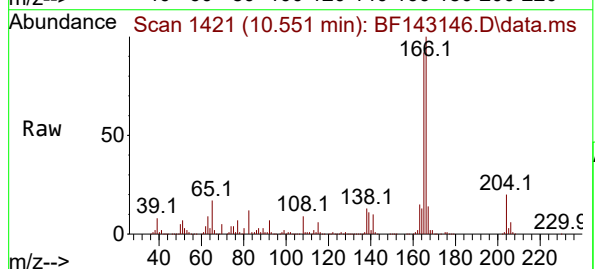
Tgt Ion:165 Resp: 304460
Ion Ratio Lower Upper
165 100
63 48.7 41.0 61.4
89 73.4 61.1 91.7
182 2.9 2.3 3.5

Manual Integrations
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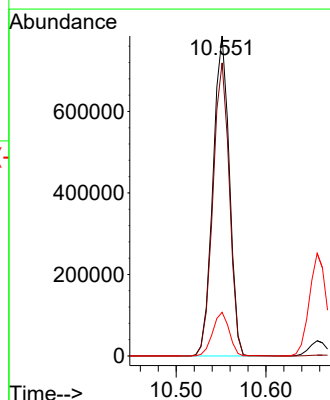
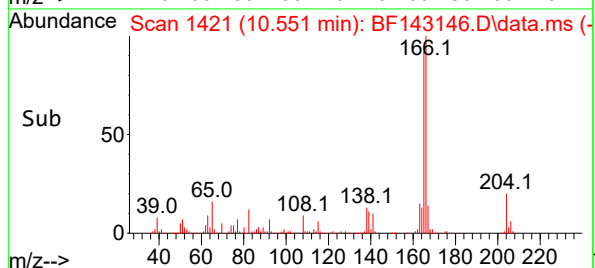
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

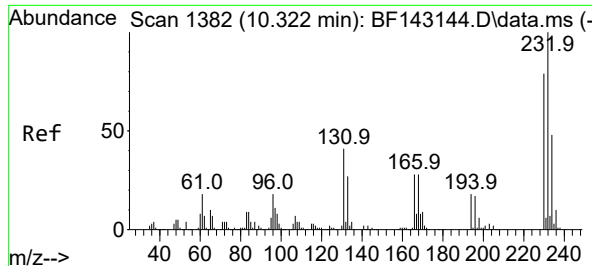


#58
Fluorene
Concen: 54.647 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



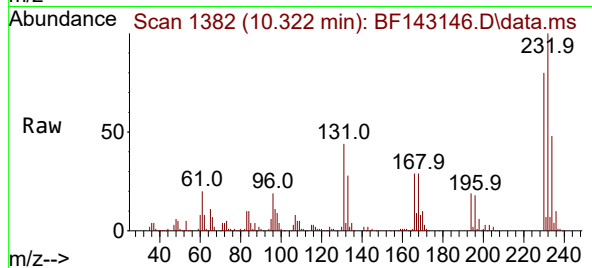
Tgt Ion:166 Resp: 997710
Ion Ratio Lower Upper
166 100
165 91.6 73.7 110.5
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 59.678 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

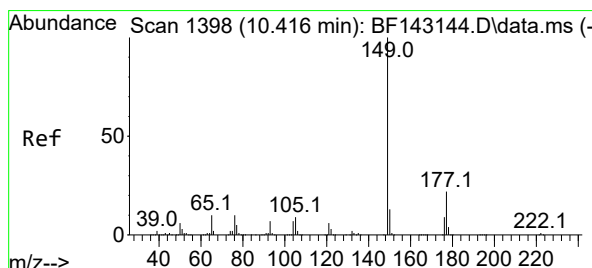
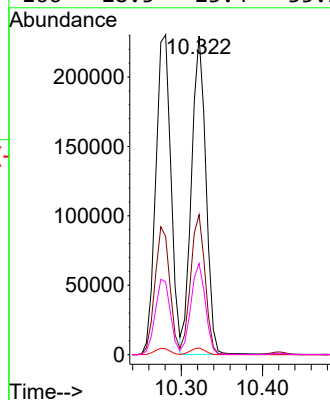
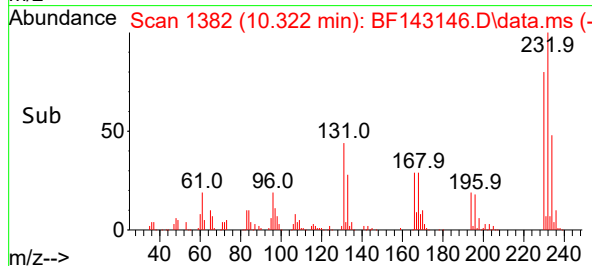
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:232 Resp: 283124
Ion Ratio Lower Upper
232 100
131 44.2 35.3 52.9
130 2.1 1.7 2.5
166 28.5 23.4 35.2

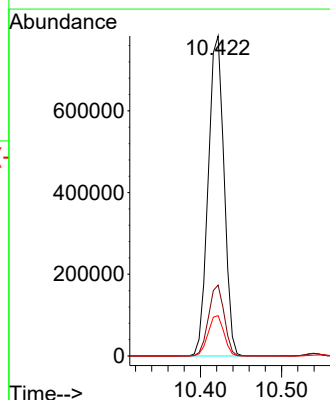
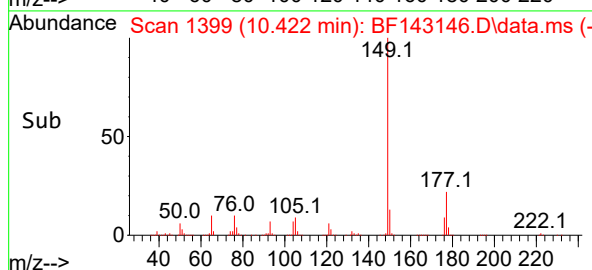
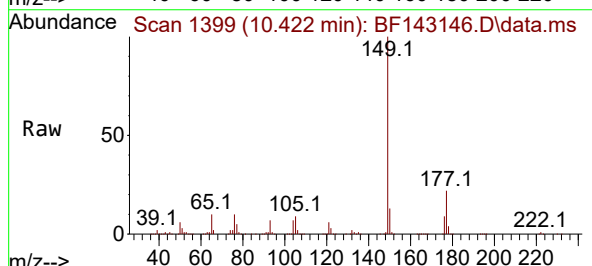
Manual Integrations
APPROVED

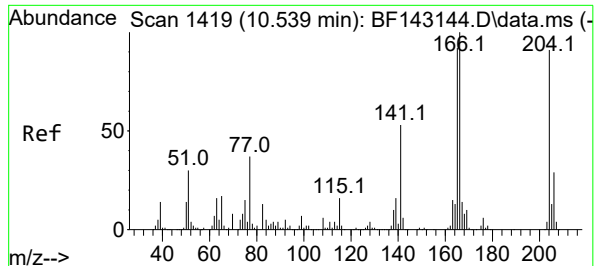
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#60
Diethylphthalate
Concen: 57.301 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

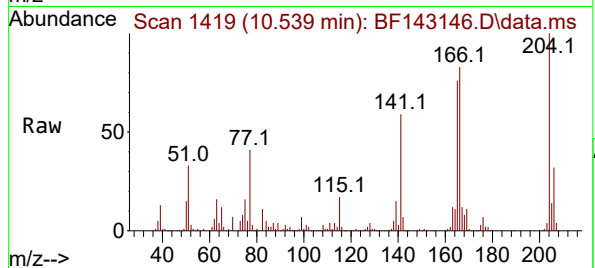
Tgt Ion:149 Resp: 1057851
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.6 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 56.867 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

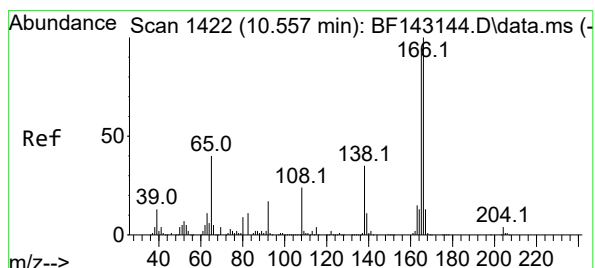
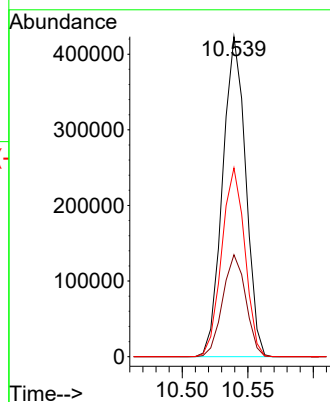
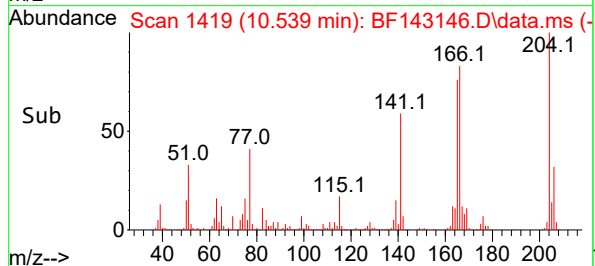
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



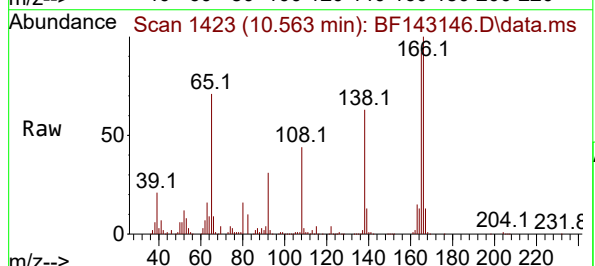
Tgt Ion:204 Resp: 516980
Ion Ratio Lower Upper
204 100
206 31.8 25.8 38.8
141 59.0 47.0 70.4

Manual Integrations
APPROVED

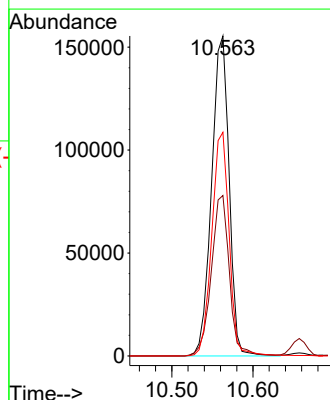
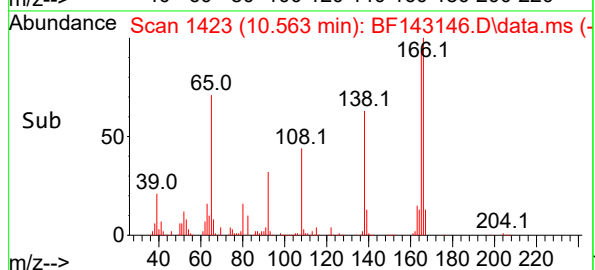
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

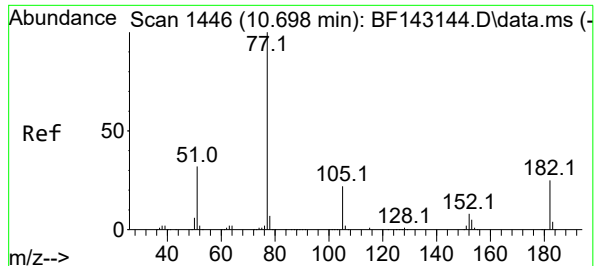


#62
4-Nitroaniline
Concen: 61.037 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



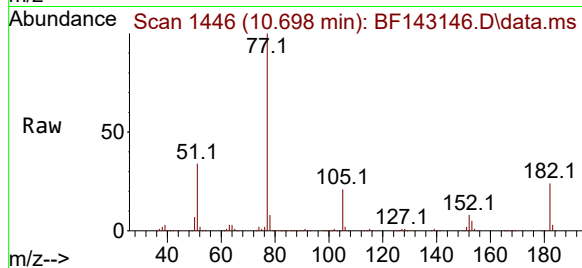
Tgt Ion:138 Resp: 232488
Ion Ratio Lower Upper
138 100
92 50.2 29.3 69.3
108 69.9 48.3 88.3





#63
Azobenzene
Concen: 57.107 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

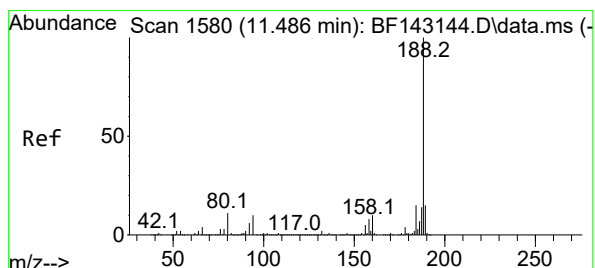
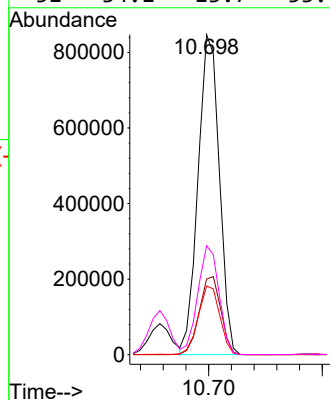
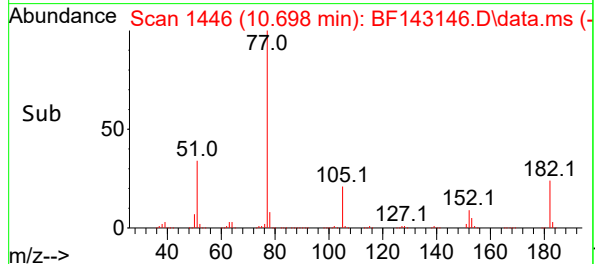
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 1098772
Ion Ratio Lower Upper
77 100
182 23.6 4.6 44.6
105 21.4 1.4 41.4
51 34.1 13.7 53.7

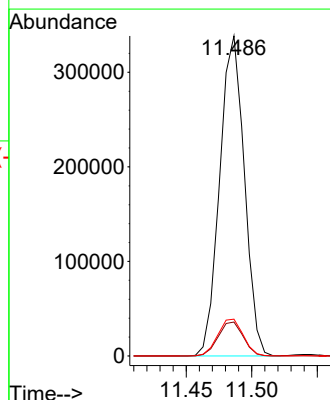
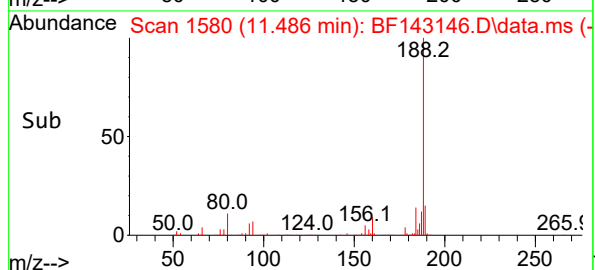
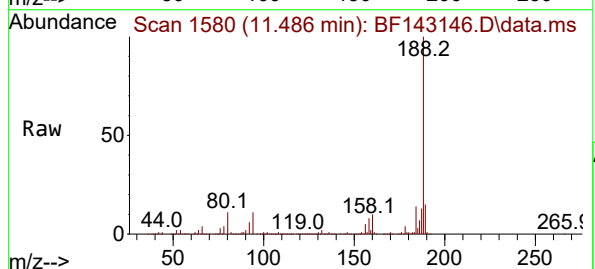
Manual Integrations
APPROVED

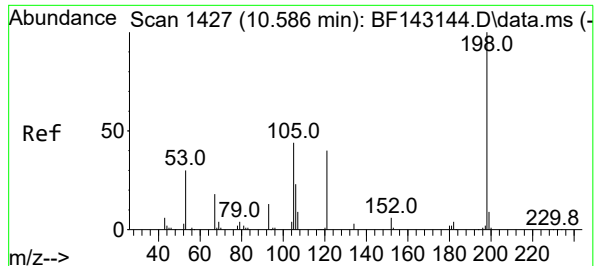
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:188 Resp: 442888
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.5 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 60.728 ng

RT: 10.592 min Scan# 1428

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:198 Resp: 14475

Ion Ratio Lower Upper

198 100

51 55.6 37.2 77.2

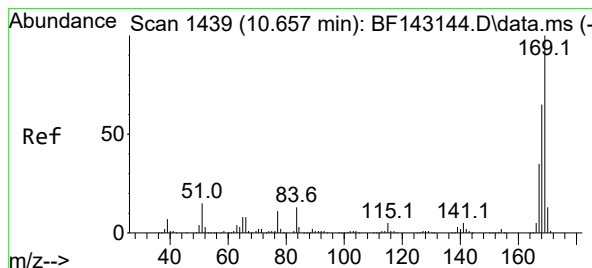
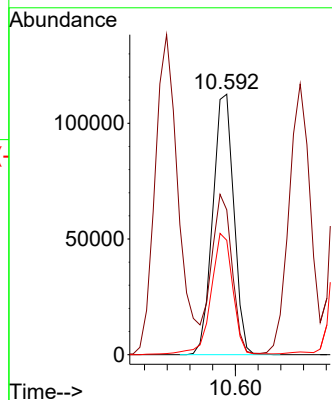
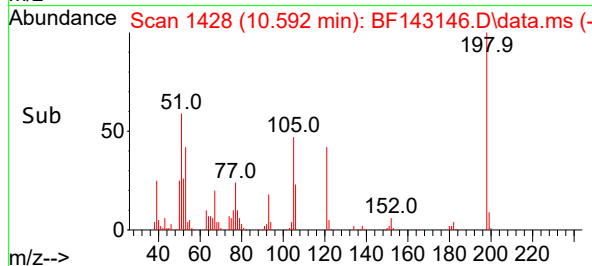
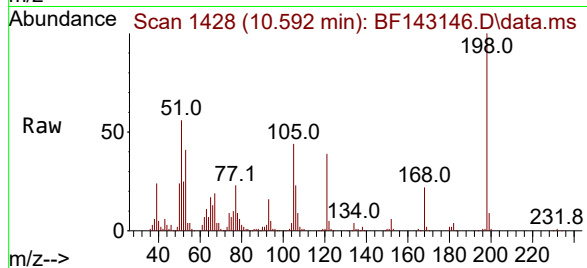
105 43.9 24.8 64.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#66

n-Nitrosodiphenylamine

Concen: 58.380 ng

RT: 10.657 min Scan# 1439

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

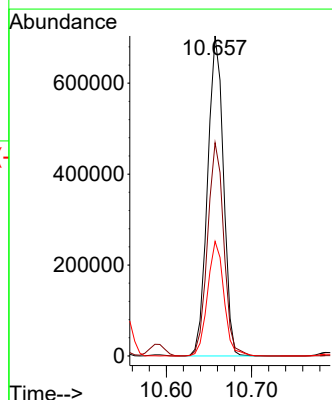
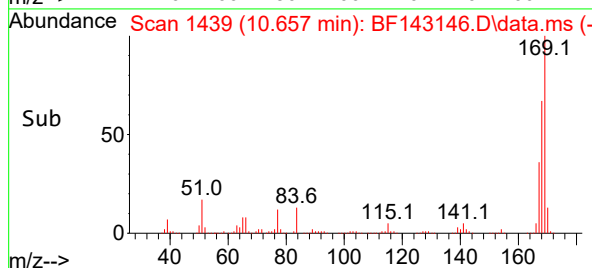
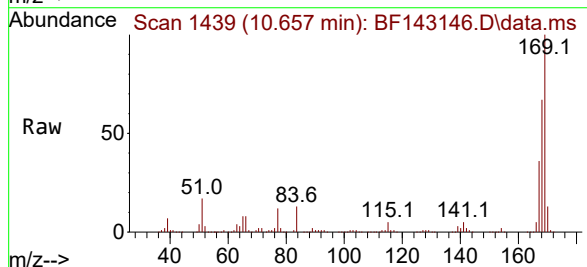
Tgt Ion:169 Resp: 910468

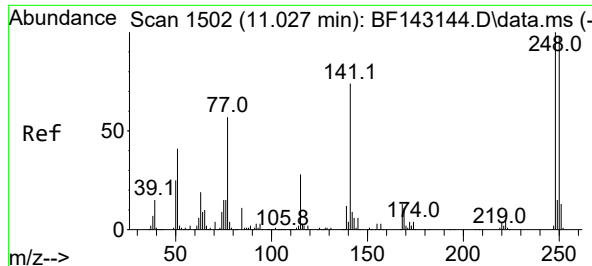
Ion Ratio Lower Upper

169 100

168 66.6 52.1 78.1

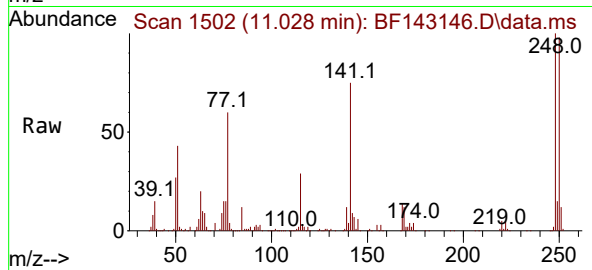
167 35.8 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 60.266 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

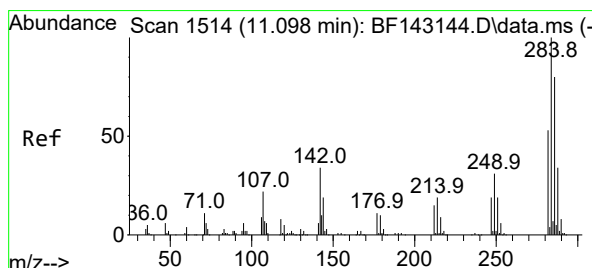
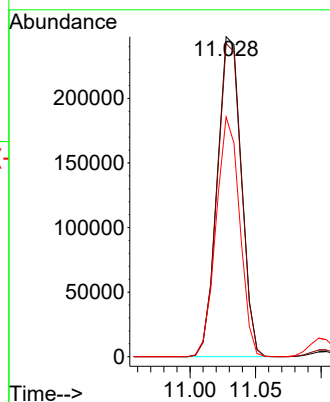
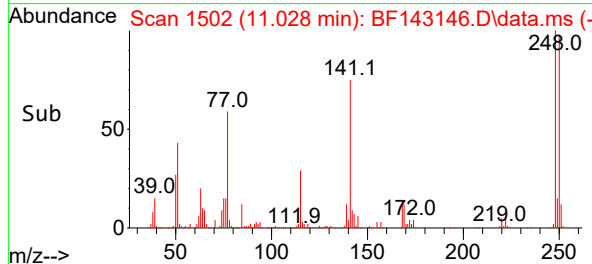
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



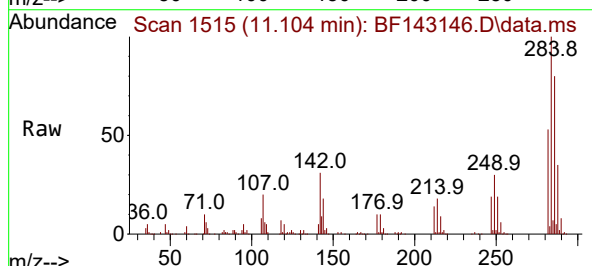
Tgt Ion:248 Resp: 318085
Ion Ratio Lower Upper
248 100
250 97.9 78.3 117.5
141 75.0 59.2 88.8

Manual Integrations
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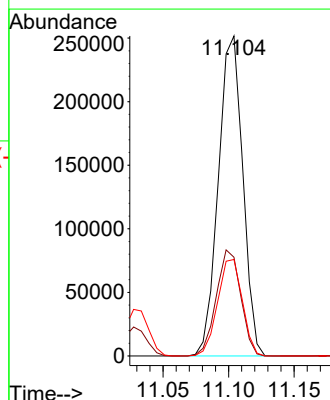
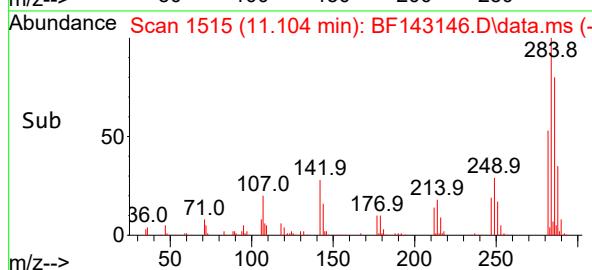
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

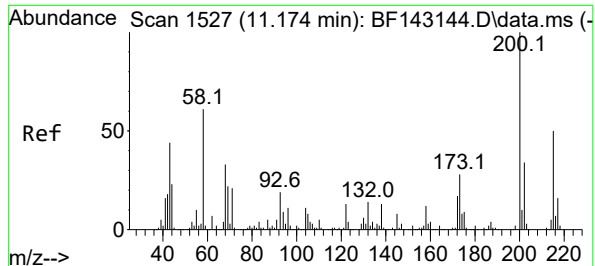


#68
Hexachlorobenzene
Concen: 59.054 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



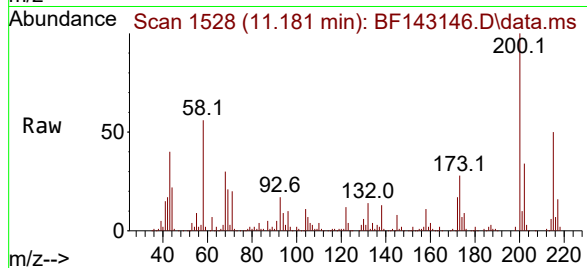
Tgt Ion:284 Resp: 325779
Ion Ratio Lower Upper
284 100
142 30.9 27.0 40.6
249 30.1 25.0 37.6





#69
Atrazine
Concen: 61.024 ng
RT: 11.181 min Scan# 1528
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

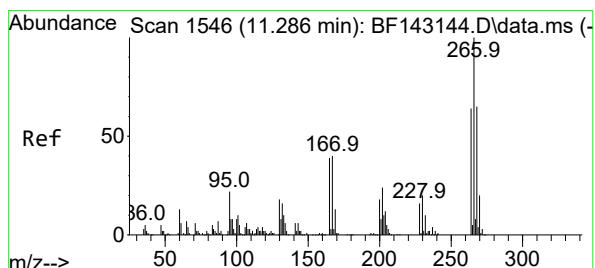
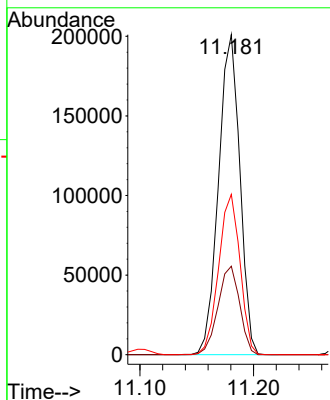
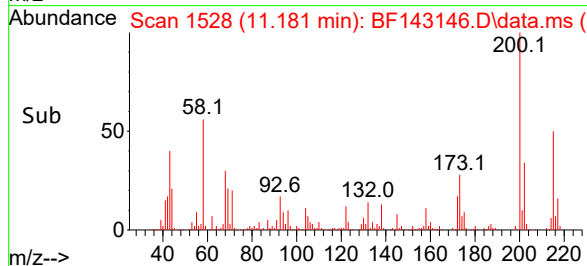
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:200 Resp: 262374
Ion Ratio Lower Upper
200 100
173 27.6 7.9 47.9
215 50.1 30.1 70.1

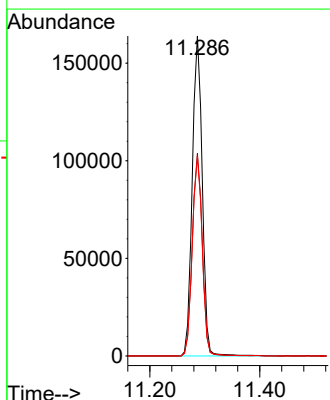
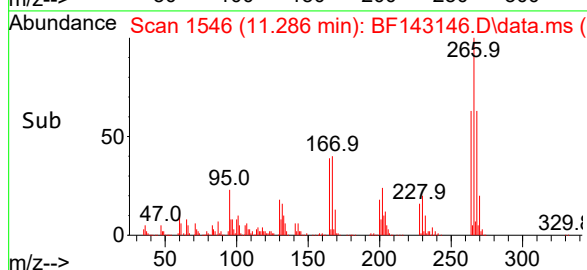
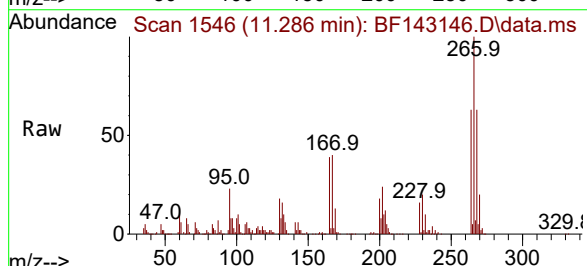
Manual Integrations
APPROVED

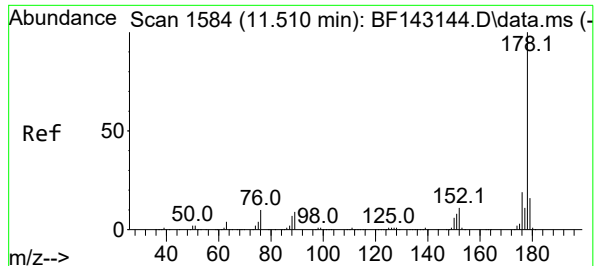
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#70
Pentachlorophenol
Concen: 63.625 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

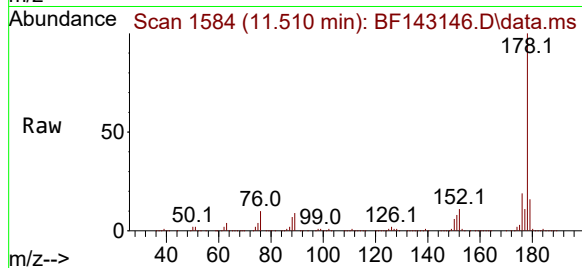
Tgt Ion:266 Resp: 206417
Ion Ratio Lower Upper
266 100
268 63.3 51.9 77.9
264 62.5 51.0 76.6





#71
Phenanthrene
Concen: 56.620 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

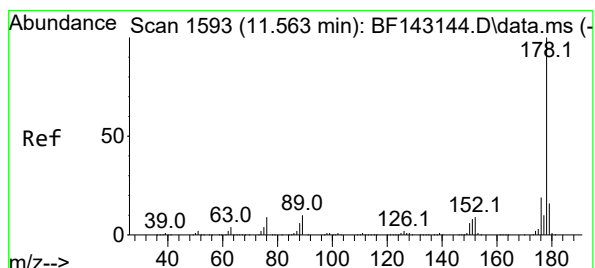
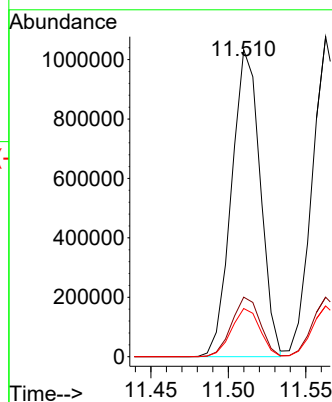
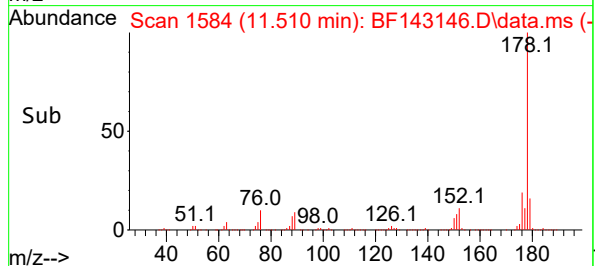
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:178 Resp: 1331485
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.5 18.7

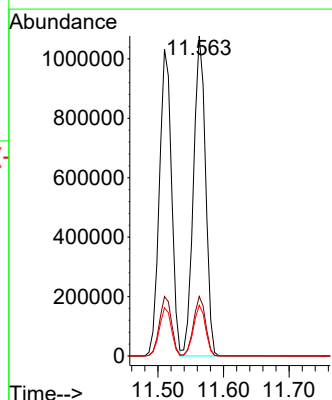
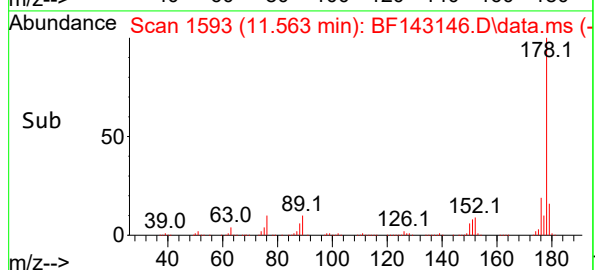
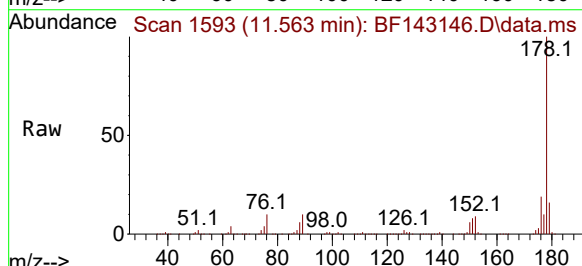
Manual Integrations
APPROVED

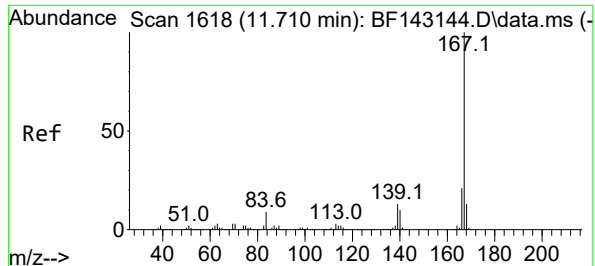
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#72
Anthracene
Concen: 57.522 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

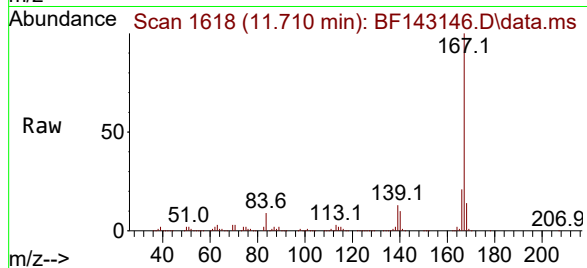
Tgt Ion:178 Resp: 1379601
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.8 12.5 18.7





#73
Carbazole
Concen: 57.015 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

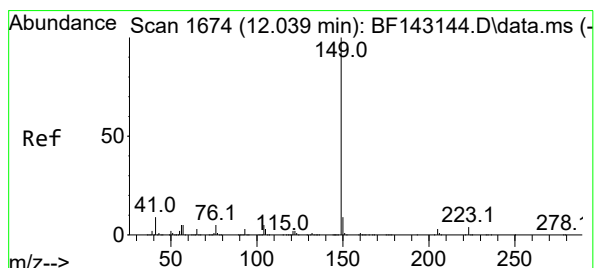
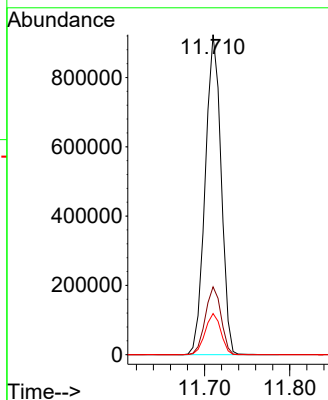
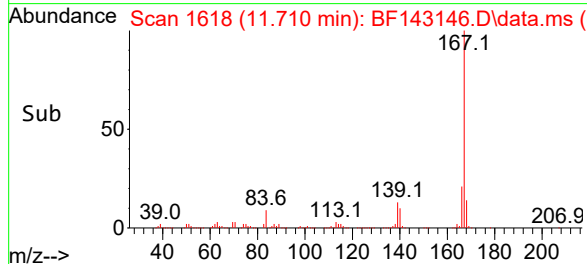
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



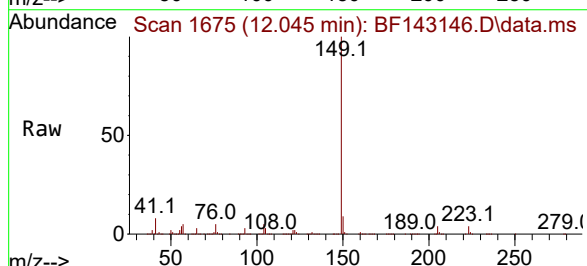
Tgt Ion:167 Resp: 1194020
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.9 10.0 15.0

Manual Integrations
APPROVED

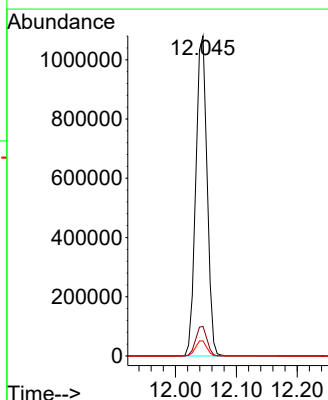
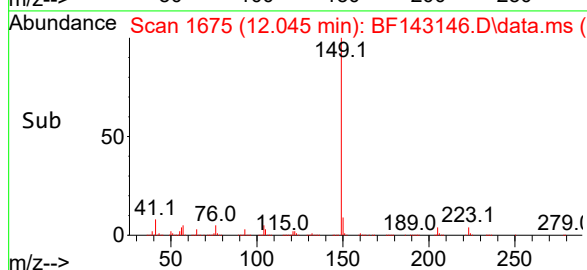
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

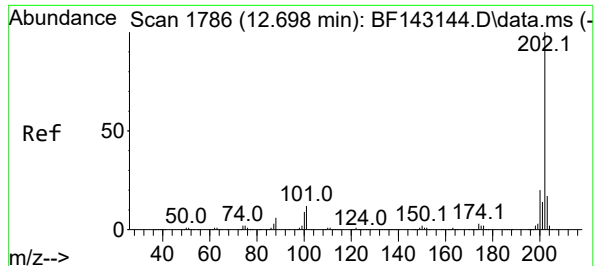


#74
Di-n-butylphthalate
Concen: 58.757 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



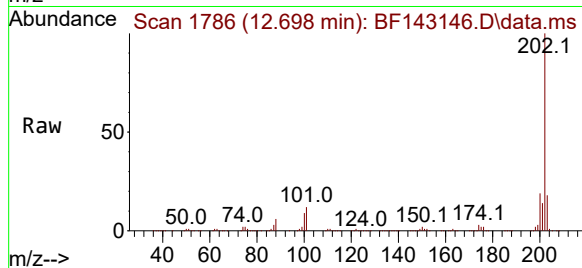
Tgt Ion:149 Resp: 1392335
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 57.122 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

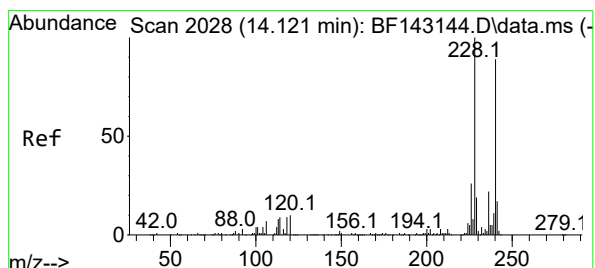
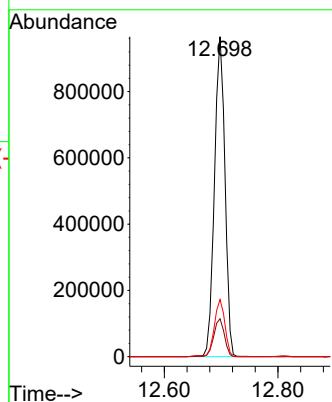
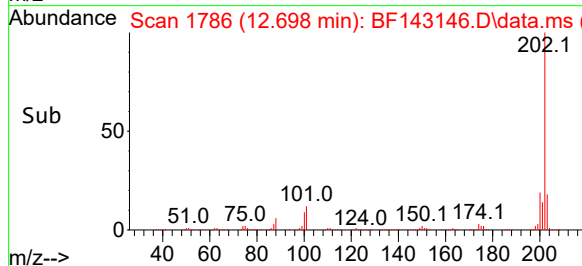
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:202 Resp: 1232952
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.8 0.0 37.4

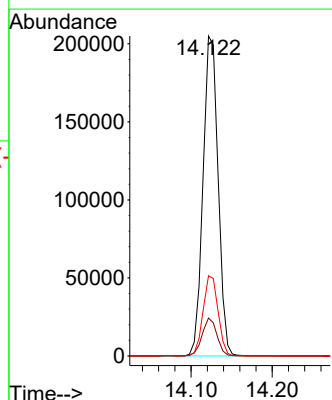
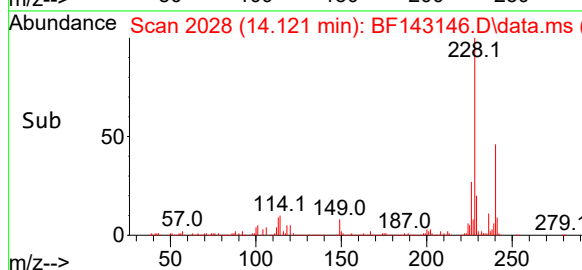
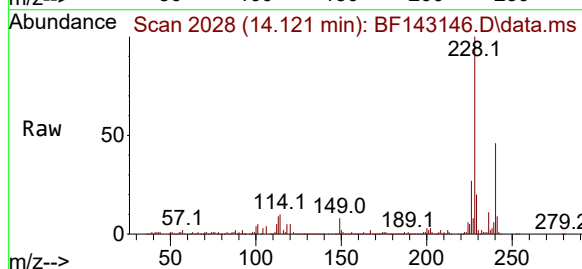
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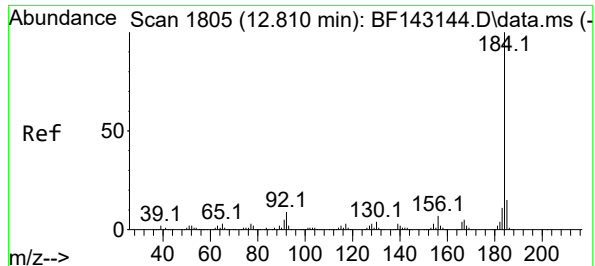
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

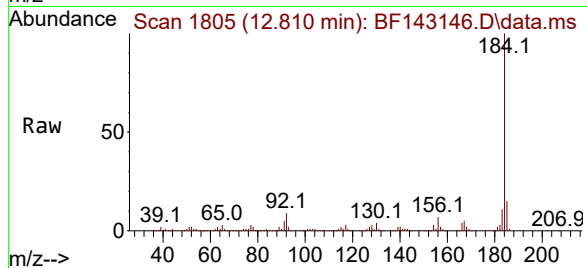
Tgt Ion:240 Resp: 264384
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.1 20.2 30.4





#77
Benzidine
Concen: 46.785 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

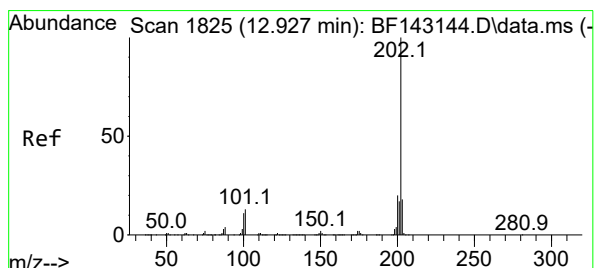
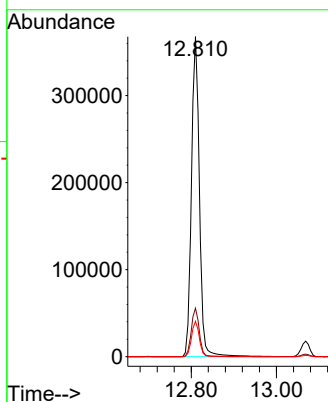
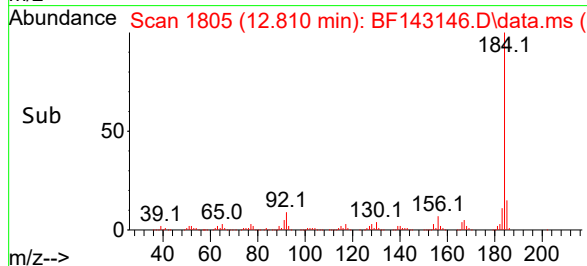
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:184 Resp: 47655
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.4
183 11.0 9.0 13.4

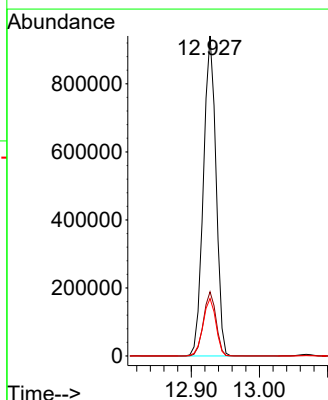
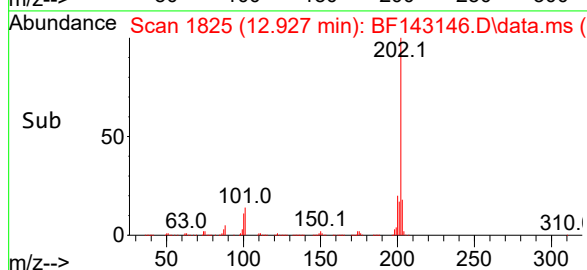
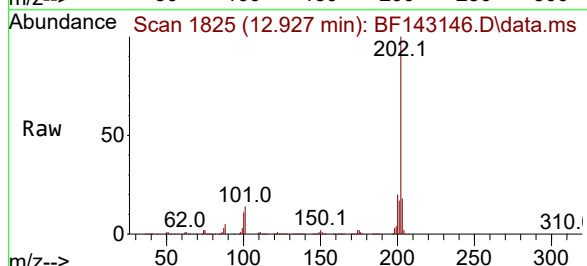
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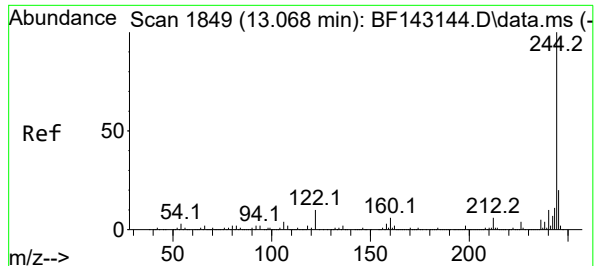
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 53.536 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:202 Resp: 1207978
Ion Ratio Lower Upper
202 100
200 20.0 15.7 23.5
203 18.0 14.2 21.2





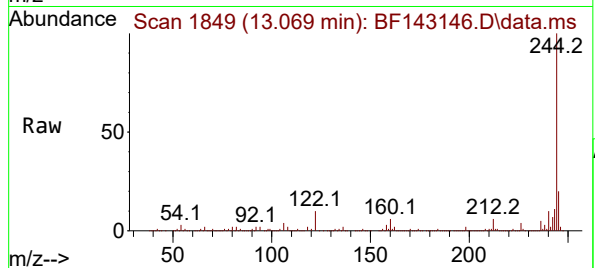
#79
Terphenyl-d14
Concen: 106.298 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

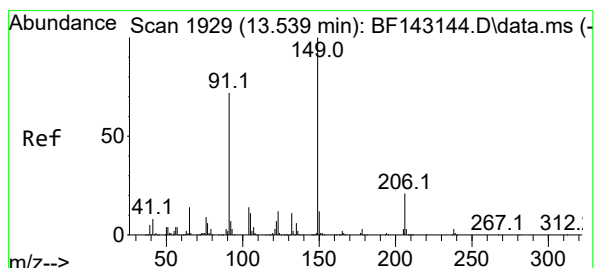
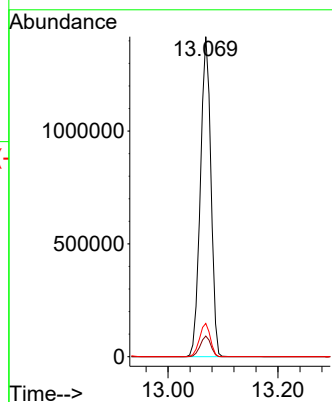
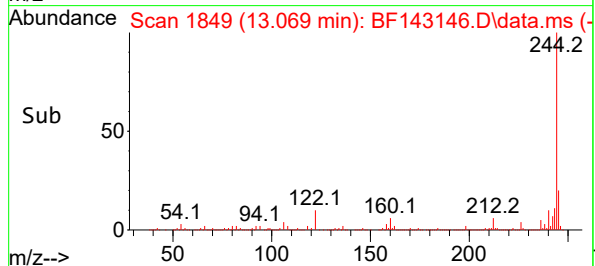


Tgt Ion:244 Resp: 1888544
Ion Ratio Lower Upper
244 100
212 6.5 5.2 7.8
122 10.4 8.2 12.2

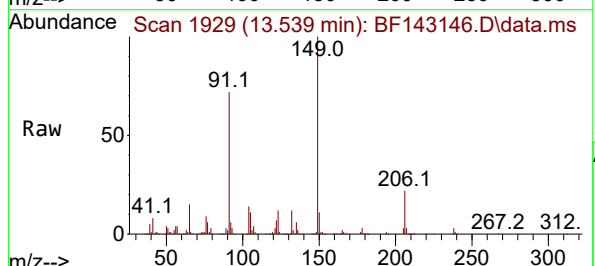
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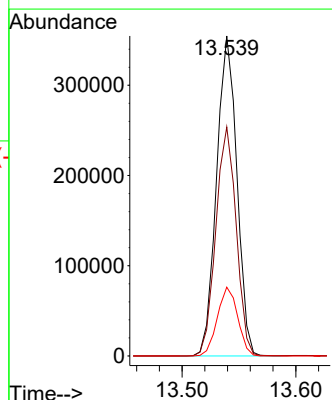
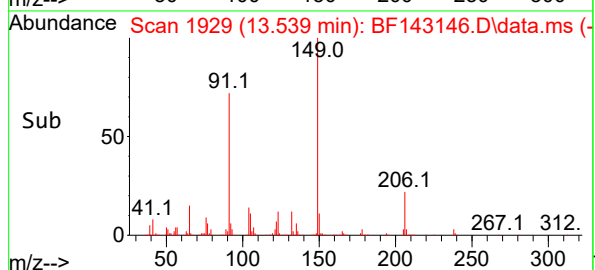
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

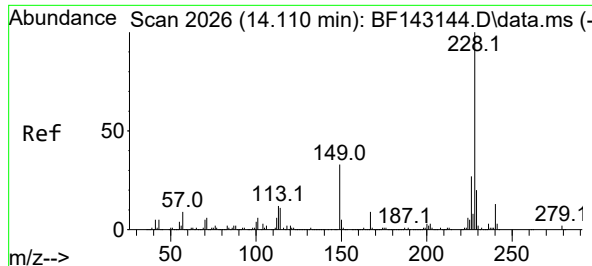


#80
Butylbenzylphthalate
Concen: 63.875 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



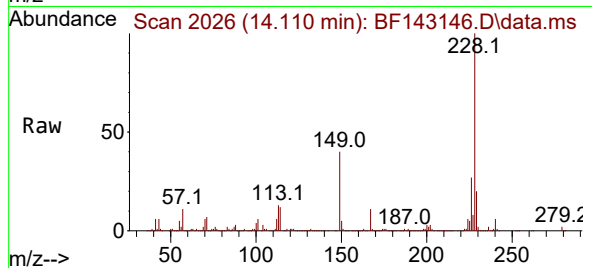
Tgt Ion:149 Resp: 441334
Ion Ratio Lower Upper
149 100
91 71.6 57.9 86.9
206 21.5 17.0 25.4





#81
Benzo(a)anthracene
Concen: 58.825 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

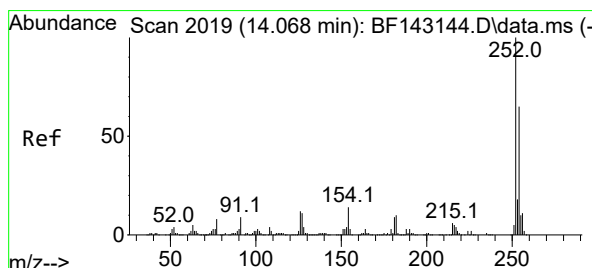
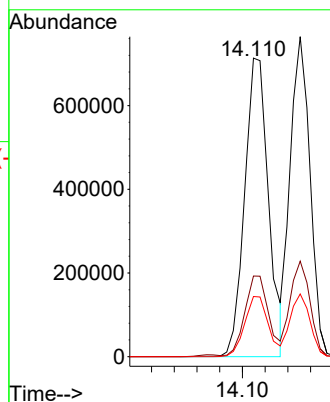
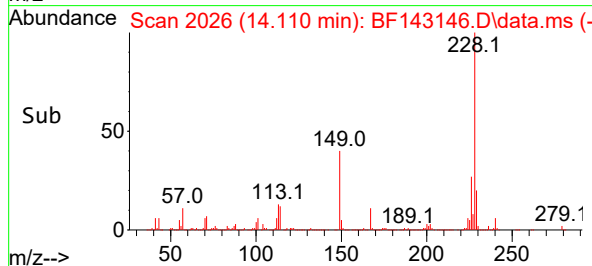
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



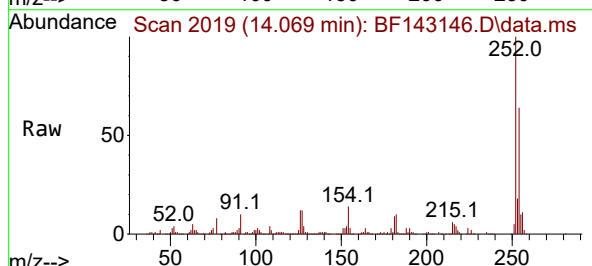
Tgt Ion:228 Resp: 1041230
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 20.2 15.8 23.6

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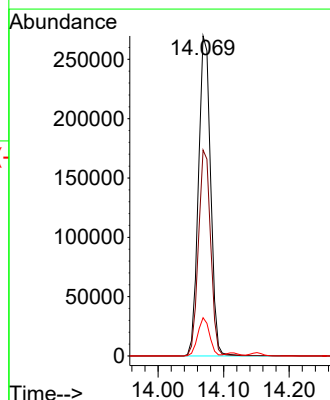
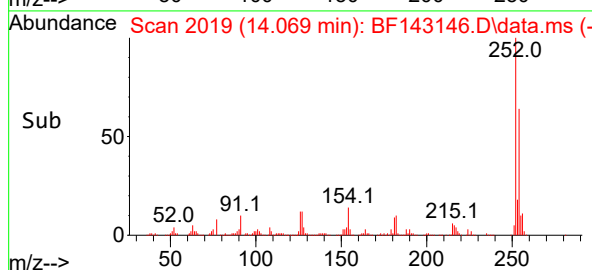
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

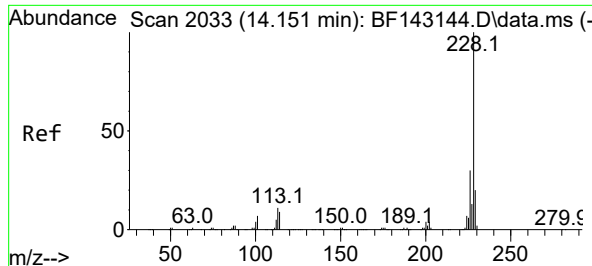


#82
3,3'-Dichlorobenzidine
Concen: 59.155 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



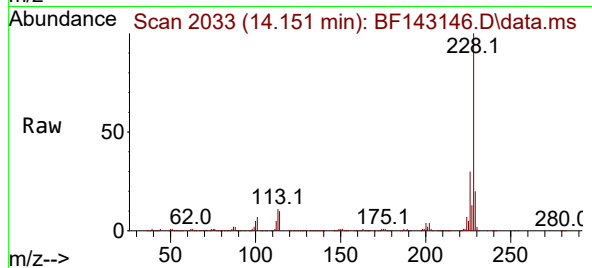
Tgt Ion:252 Resp: 348979
Ion Ratio Lower Upper
252 100
254 64.4 51.7 77.5
126 12.0 9.4 14.0





#83
Chrysene
Concen: 58.472 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

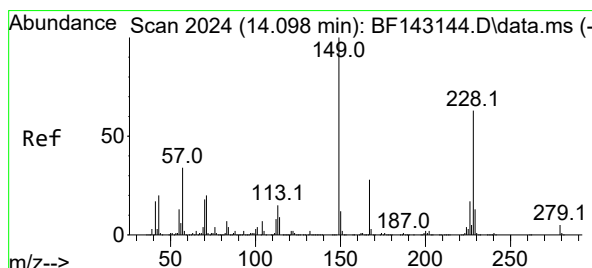
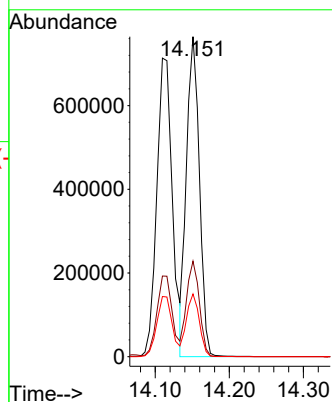
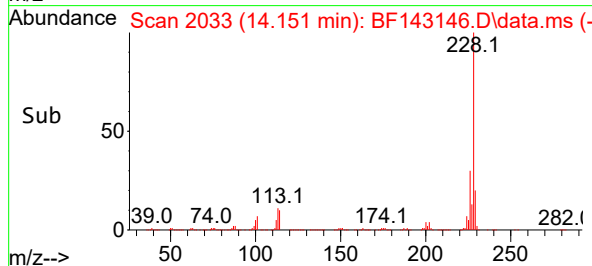
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 930549
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 19.6 15.6 23.4

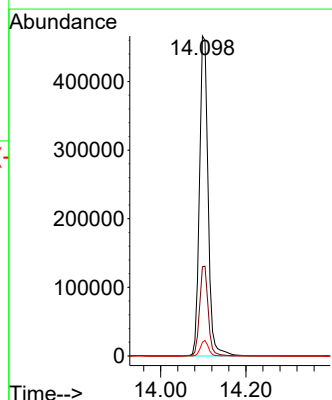
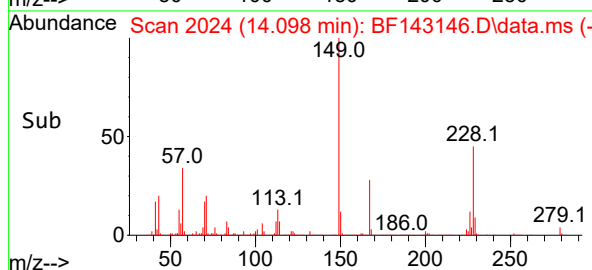
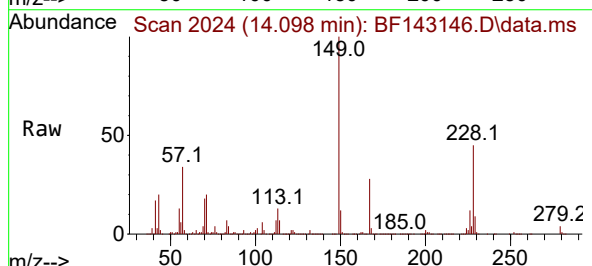
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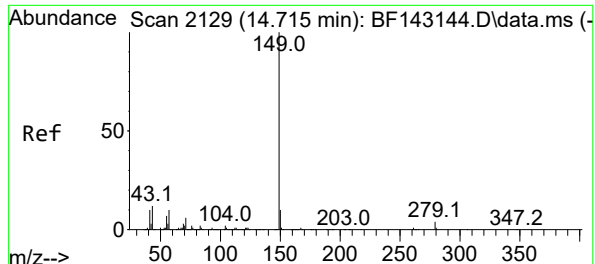
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 62.678 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

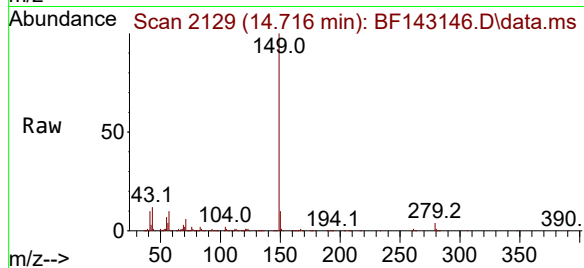
Tgt Ion:149 Resp: 655482
Ion Ratio Lower Upper
149 100
167 27.9 22.3 33.5
279 4.3 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 63.095 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

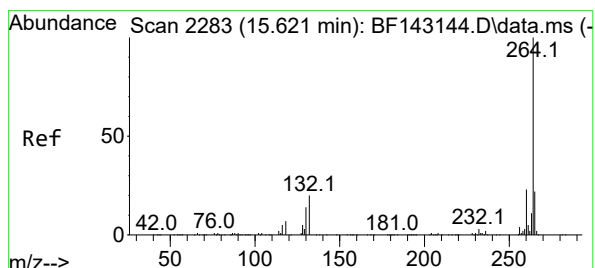
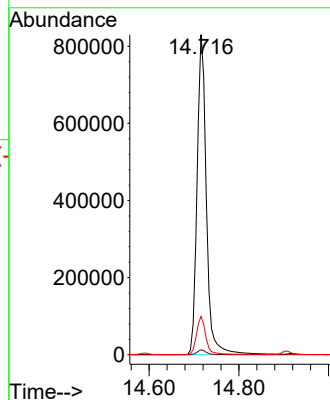
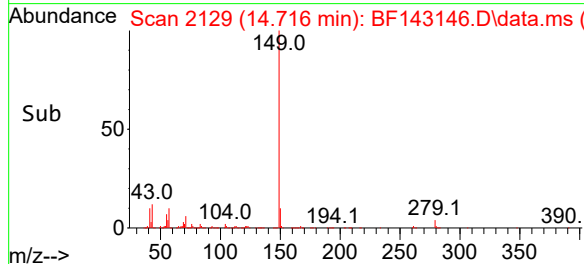
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



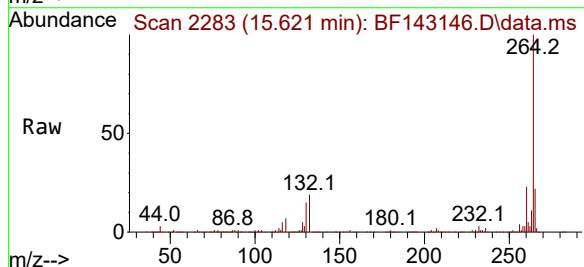
Tgt Ion:149 Resp: 1196044
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.0 9.7 14.5

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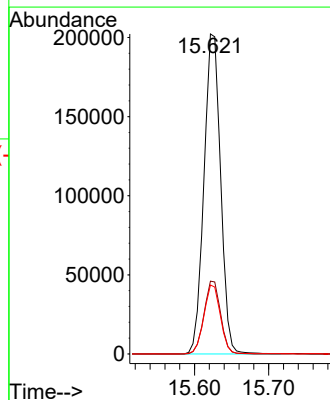
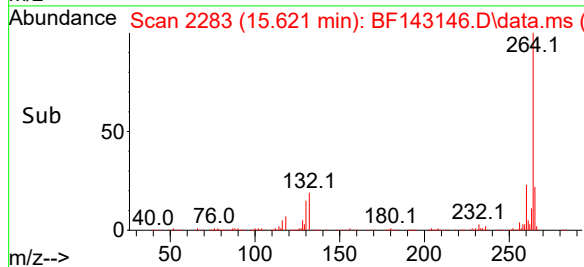
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

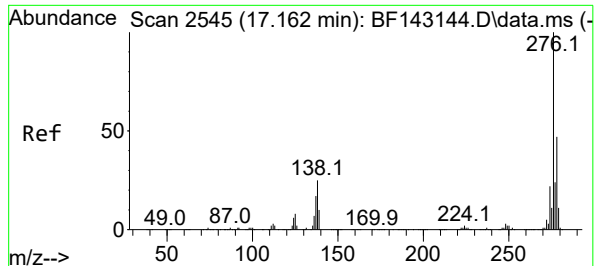


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



Tgt Ion:264 Resp: 315904
Ion Ratio Lower Upper
264 100
260 22.7 18.5 27.7
265 21.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 60.037 ng

RT: 17.168 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:276 Resp: 133736

Ion Ratio Lower Upper

276 100

138 26.9 21.8 32.6

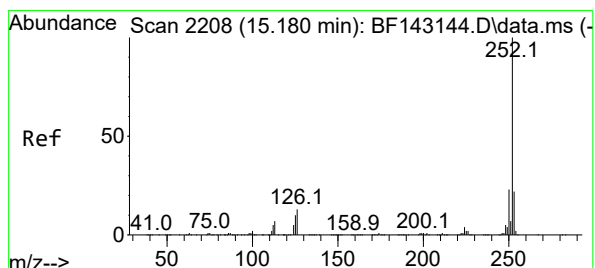
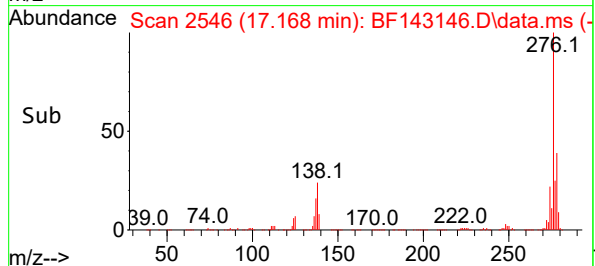
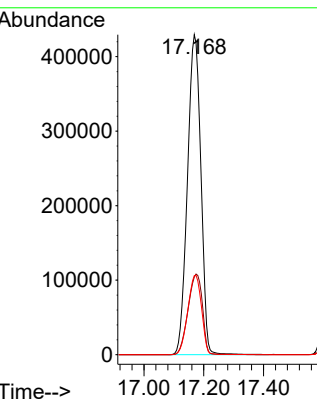
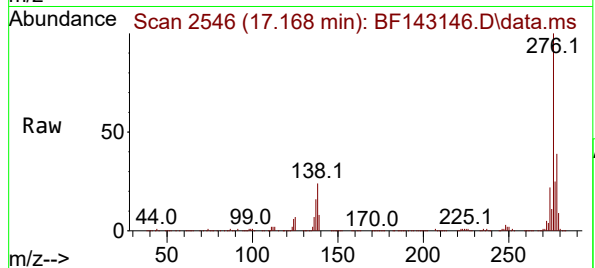
277 25.4 20.0 30.0

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#88

Benzo(b)fluoranthene

Concen: 58.328 ng

RT: 15.180 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

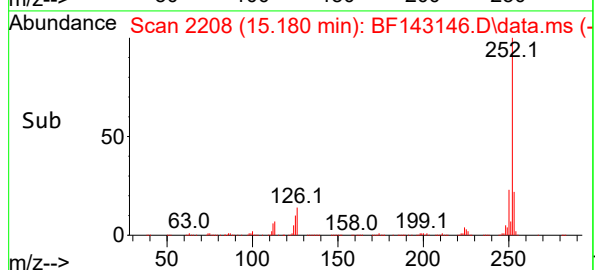
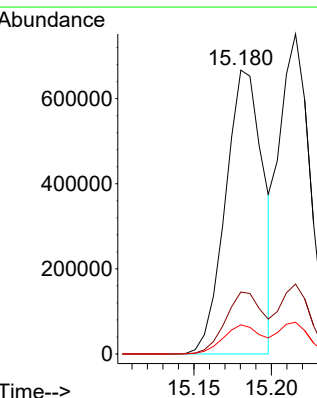
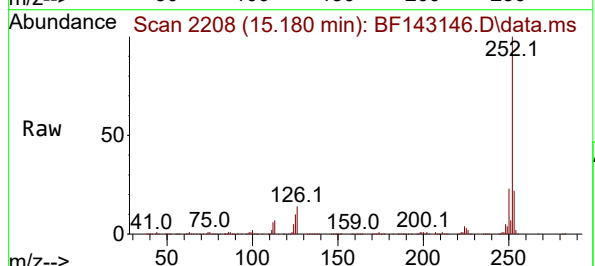
Tgt Ion:252 Resp: 1125667

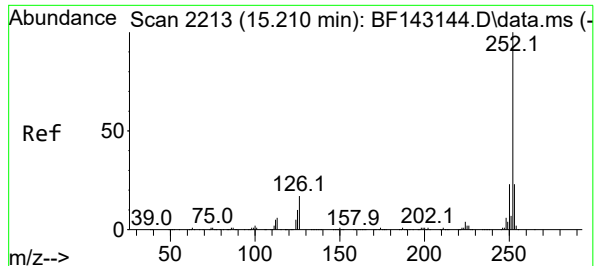
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 59.411 ng

RT: 15.216 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 102313

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

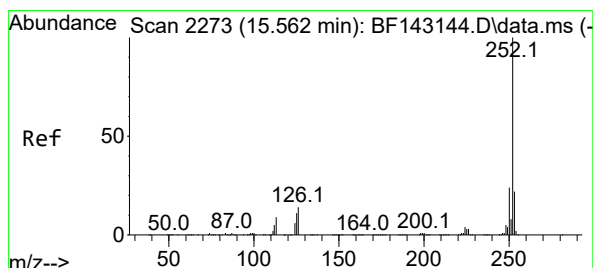
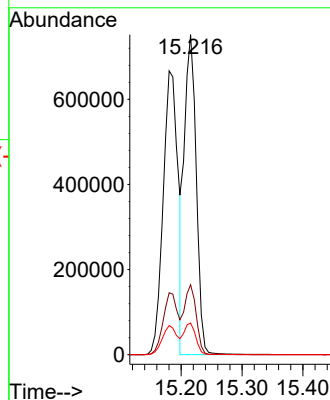
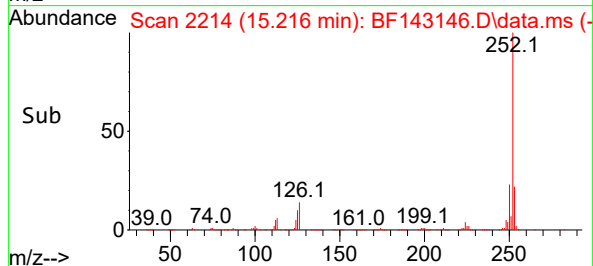
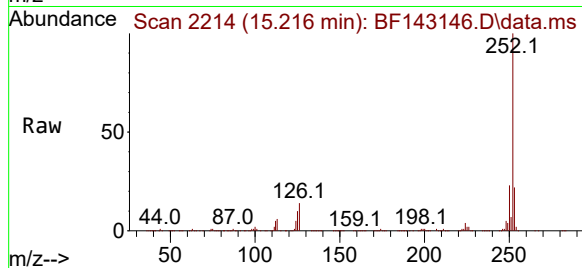
125 9.9 8.1 12.1

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 59.730 ng

RT: 15.563 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

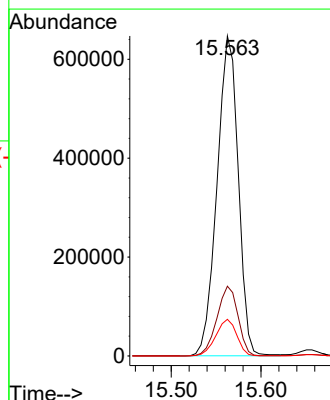
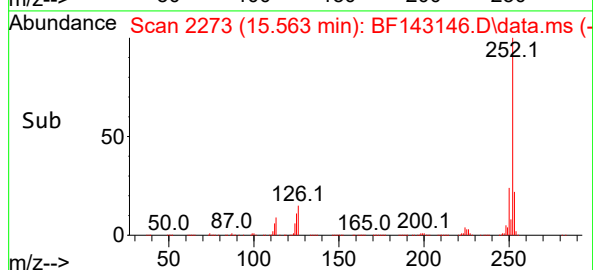
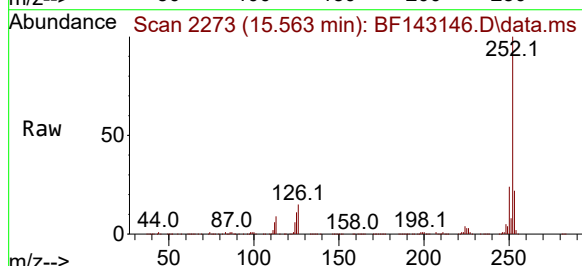
Tgt Ion:252 Resp: 1062049

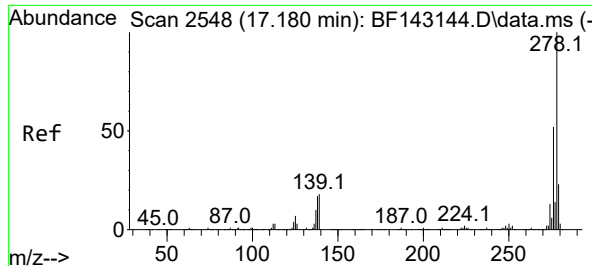
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

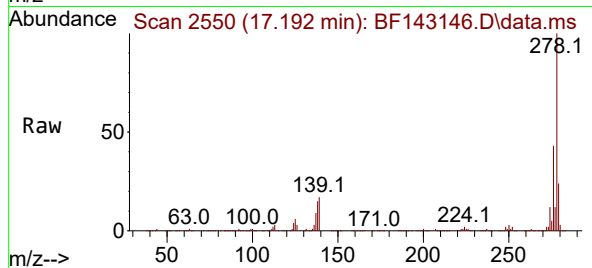
125 11.5 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 59.610 ng
RT: 17.192 min Scan# 2550
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

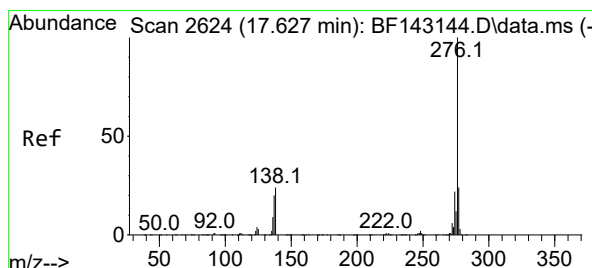
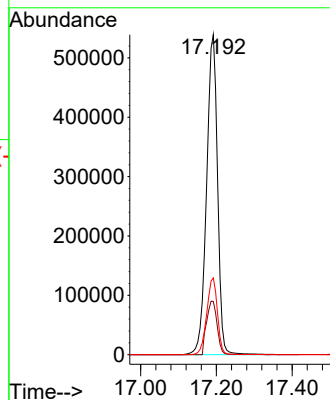
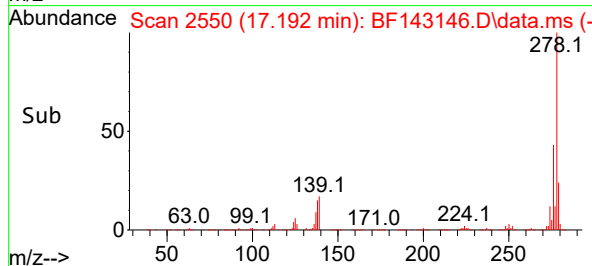
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:278 Resp: 1080768
Ion Ratio Lower Upper
278 100
139 16.6 14.1 21.1
279 24.0 18.6 28.0

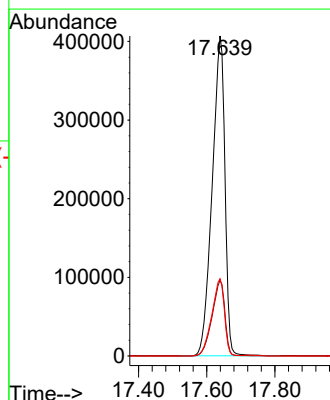
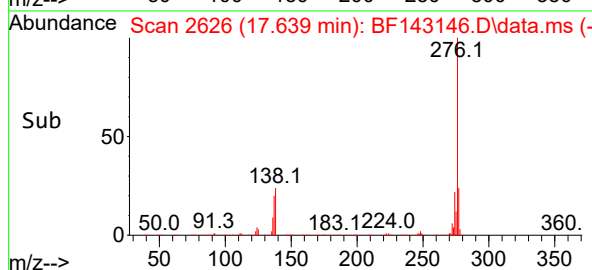
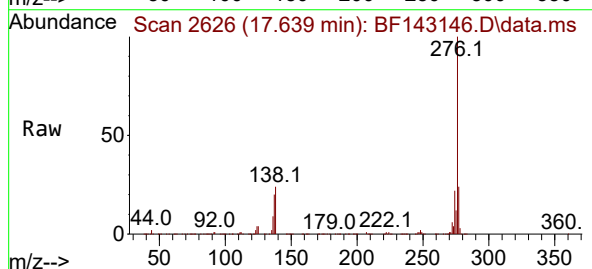
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Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 60.163 ng
RT: 17.639 min Scan# 2626
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:276 Resp: 1055168
Ion Ratio Lower Upper
276 100
277 23.7 19.1 28.7
138 24.2 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143147.D
 Acq On : 17 Jul 2025 14:34
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:05:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	145034	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	544516	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	275619	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	429046	20.000	ng	0.00
76) Chrysene-d12	14.127	240	245351	20.000	ng	0.00
86) Perylene-d12	15.627	264	296687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1300344	141.880	ng	0.00
7) Phenol-d6	6.593	99	1639937	142.159	ng	0.00
23) Nitrobenzene-d5	7.534	82	1644581	150.551	ng	0.01
42) 2,4,6-Tribromophenol	10.792	330	437054	153.498	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2623071	130.157	ng	0.00
79) Terphenyl-d14	13.069	244	2202828	133.606	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.793	88	323993	74.710	ng	99
3) Pyridine	3.569	79	842446	74.844	ng	99
4) n-Nitrosodimethylamine	3.528	42	445612	76.677	ng	97
6) Aniline	6.628	93	1170943	72.831	ng	98
8) 2-Chlorophenol	6.751	128	699193	72.781	ng	99
9) Benzaldehyde	6.516	77	493544	57.055	ng	99
10) Phenol	6.610	94	888041m	70.663	ng	
11) bis(2-Chloroethyl)ether	6.698	93	697645	72.503	ng	100
12) 1,3-Dichlorobenzene	6.910	146	734699	70.400	ng	100
13) 1,4-Dichlorobenzene	6.987	146	739462	70.360	ng	99
14) 1,2-Dichlorobenzene	7.140	146	709300	70.958	ng	100
15) Benzyl Alcohol	7.104	79	661847	75.139	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1265589	70.902	ng	99
17) 2-Methylphenol	7.210	107	595477	73.719	ng	99
18) Hexachloroethane	7.481	117	266665	73.293	ng	99
19) n-Nitroso-di-n-propyla...	7.387	70	528820	71.452	ng	99
20) 3+4-Methylphenols	7.369	107	673906	68.763	ng	# 87
22) Acetophenone	7.375	105	890890	69.107	ng	# 95
24) Nitrobenzene	7.551	77	751964	73.836	ng	100
25) Isophorone	7.792	82	1453353	75.366	ng	99
26) 2-Nitrophenol	7.863	139	364951	82.568	ng	100
27) 2,4-Dimethylphenol	7.898	122	649144	72.050	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	834021	72.134	ng	99
29) 2,4-Dichlorophenol	8.104	162	558665	73.527	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	588333	71.673	ng	99
31) Naphthalene	8.269	128	1854387	69.150	ng	100
32) Benzoic acid	8.028	122	423625m	79.801	ng	
33) 4-Chloroaniline	8.310	127	787243	71.895	ng	98
34) Hexachlorobutadiene	8.392	225	368327	73.453	ng	99
35) Caprolactam	8.698	113	178271	77.644	ng	96
36) 4-Chloro-3-methylphenol	8.792	107	614048	74.354	ng	99
37) 2-Methylnaphthalene	8.957	142	1137176	69.687	ng	100
38) 1-Methylnaphthalene	9.057	142	1168702	69.550	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	568070	71.389	ng	99
41) Hexachlorocyclopentadiene	9.122	237	412756	79.719	ng	100
43) 2,4,6-Trichlorophenol	9.234	196	412148	74.838	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143147.D
 Acq On : 17 Jul 2025 14:34
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	423565	76.888	ng	99
46) 1,1'-Biphenyl	9.428	154	1492094	69.388	ng	100
47) 2-Chloronaphthalene	9.451	162	1131626	71.122	ng	100
48) 2-Nitroaniline	9.534	65	404023	80.971	ng	96
49) Acenaphthylene	9.869	152	1868062	70.057	ng	100
50) Dimethylphthalate	9.728	163	1288559	71.723	ng	99
51) 2,6-Dinitrotoluene	9.781	165	292718	80.093	ng	99
52) Acenaphthene	10.039	154	1120315	71.086	ng	99
53) 3-Nitroaniline	9.951	138	333980	78.128	ng	98
54) 2,4-Dinitrophenol	10.051	184	133446	80.516	ng	# 40
55) Dibenzofuran	10.210	168	1615399	69.038	ng	99
56) 4-Nitrophenol	10.098	139	252698	79.161	ng	99
57) 2,4-Dinitrotoluene	10.186	165	376124	82.029	ng	96
58) Fluorene	10.551	166	1197731	68.203	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	340118	74.533	ng	100
60) Diethylphthalate	10.422	149	1276217	71.870	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	614962	70.326	ng	99
62) 4-Nitroaniline	10.569	138	291926	79.680	ng	98
63) Azobenzene	10.704	77	1318720	71.255	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	186415	78.948	ng	98
66) n-Nitrosodiphenylamine	10.663	169	1087990	72.014	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	382122	74.734	ng	98
68) Hexachlorobenzene	11.104	284	399107	74.680	ng	96
69) Atrazine	11.180	200	324126	77.819	ng	99
70) Pentachlorophenol	11.286	266	257176	81.829	ng	98
71) Phenanthrene	11.516	178	1602208	70.331	ng	100
72) Anthracene	11.563	178	1641264	70.640	ng	100
73) Carbazole	11.710	167	1435444	70.754	ng	99
74) Di-n-butylphthalate	12.045	149	1699503	74.034	ng	100
75) Fluoranthene	12.698	202	1498103	71.645	ng	99
78) Pyrene	12.927	202	1466205	70.021	ng	100
80) Butylbenzylphthalate	13.539	149	521631	81.353	ng	99
81) Benzo(a)anthracene	14.116	228	1212056	73.788	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	393448	71.867	ng	99
83) Chrysene	14.151	228	1105636	74.863	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	774366	79.790	ng	99
85) Di-n-octyl phthalate	14.716	149	1434055	81.519	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	1604969	76.718	ng	99
88) Benzo(b)fluoranthene	15.186	252	1438518	79.367	ng	100
89) Benzo(k)fluoranthene	15.216	252	1111726	68.737	ng	100
90) Benzo(a)pyrene	15.568	252	1269253	76.006	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	1289789	75.746	ng	99
92) Benzo(g,h,i)perylene	17.645	276	1265778	76.846	ng	100

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

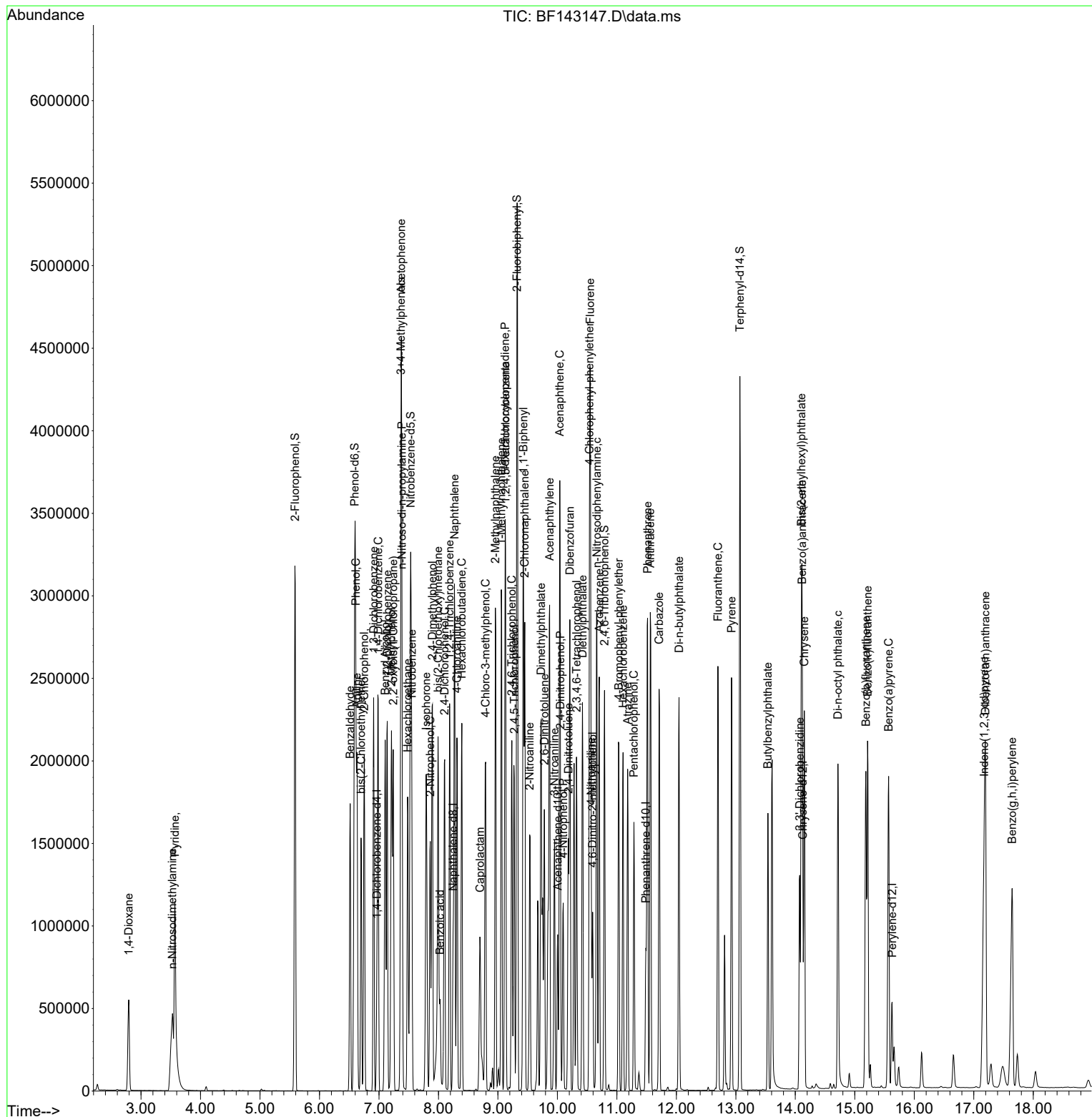
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Data File : BF143147.D  
Acq On    : 17 Jul 2025   14:34  
Operator  : RC/JU  
Sample    : SSTDICC080  
Misc      :  
ALS Vial  : 10    Sample Multiplier: 1
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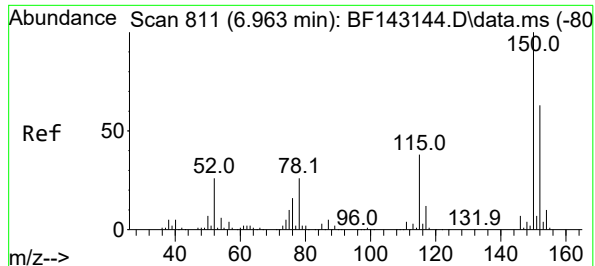
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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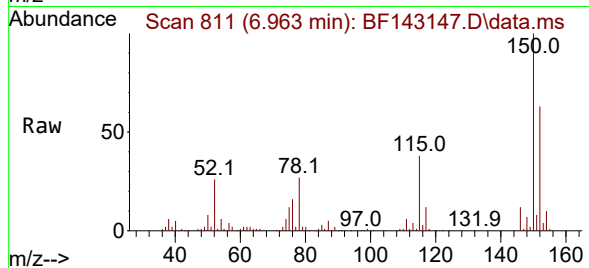
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

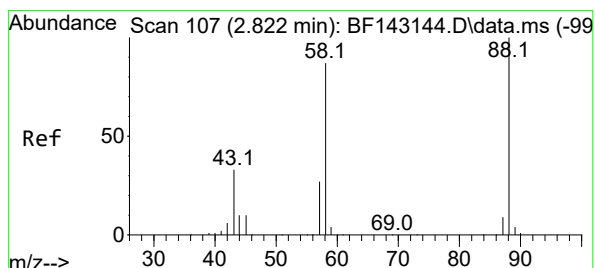
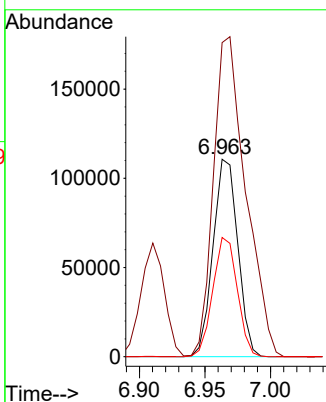
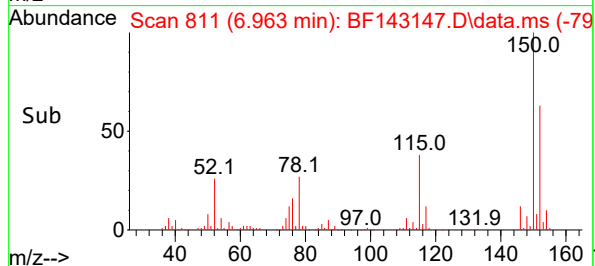
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:152 Resp: 145034
Ion Ratio Lower Upper
152 100
150 159.0 128.2 192.4
115 60.4 47.9 71.9

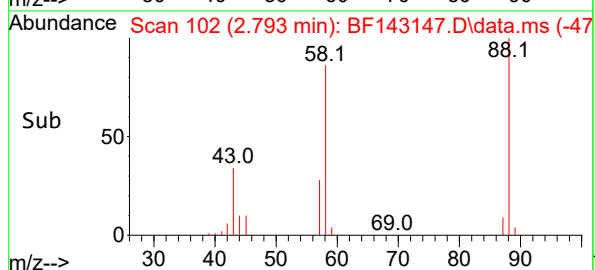
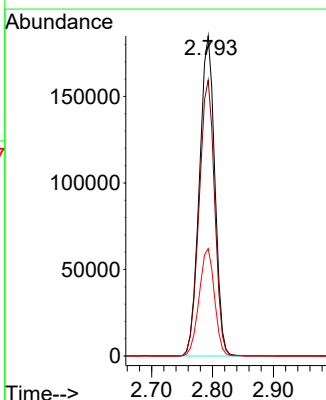
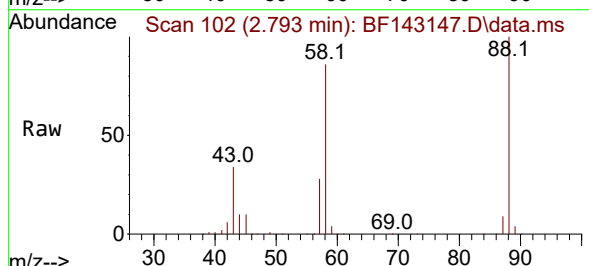
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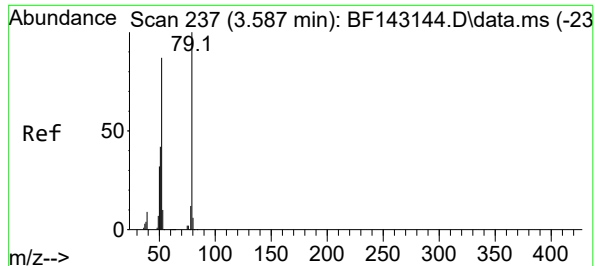
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 74.710 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 88 Resp: 323993
Ion Ratio Lower Upper
88 100
58 86.8 70.2 105.2
43 33.6 27.1 40.7





#3

Pyridine

Concen: 74.844 ng

RT: 3.569 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143147.D

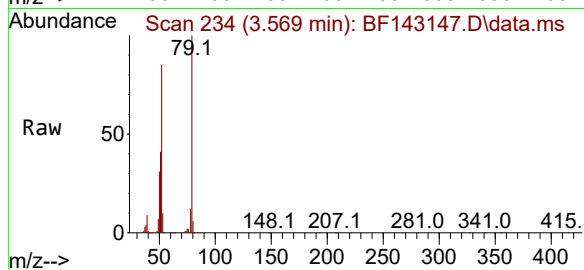
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion: 79 Resp: 842440

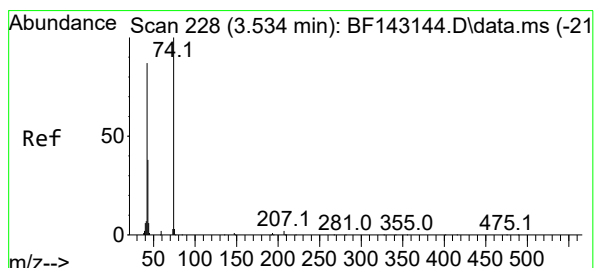
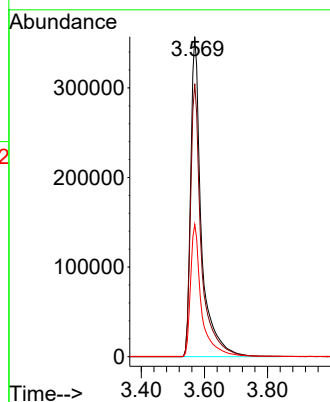
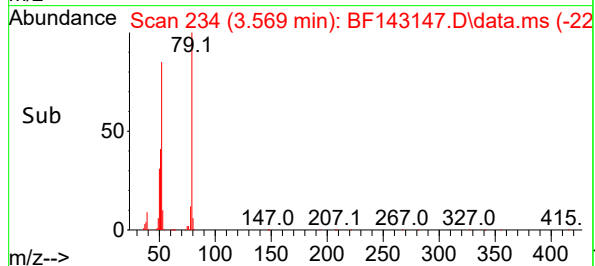
Ion	Ratio	Lower	Upper
79	100		
52	85.3	69.4	104.2
51	41.4	33.5	50.3

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#4

n-Nitrosodimethylamine

Concen: 76.677 ng

RT: 3.528 min Scan# 227

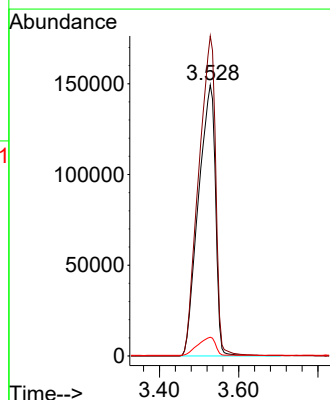
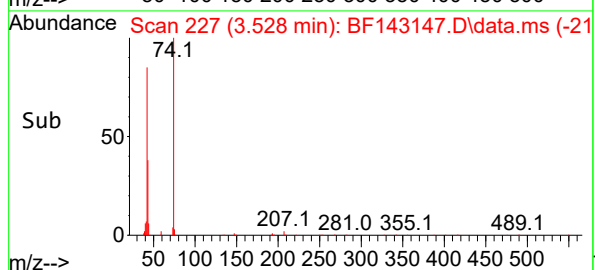
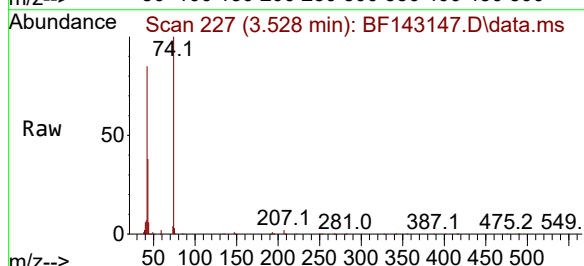
Delta R.T. -0.006 min

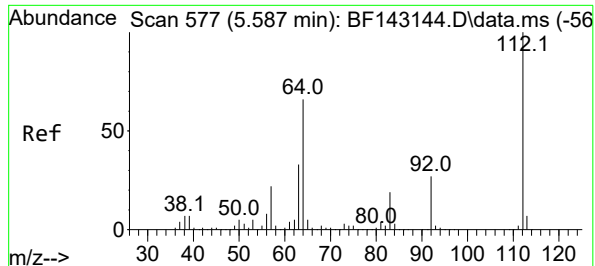
Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion: 42 Resp: 445612

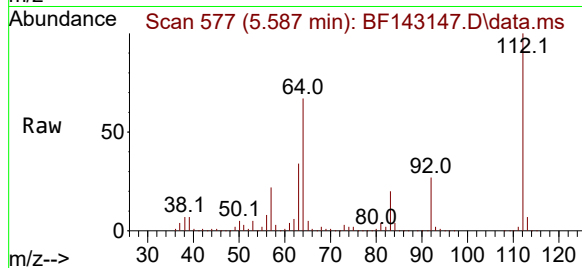
Ion	Ratio	Lower	Upper
42	100		
74	118.0	91.7	137.5
44	6.9	5.6	8.4





#5
2-Fluorophenol
Concen: 141.880 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

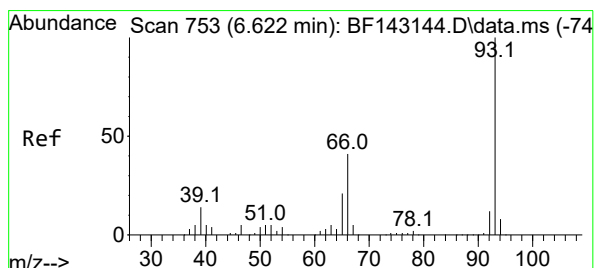
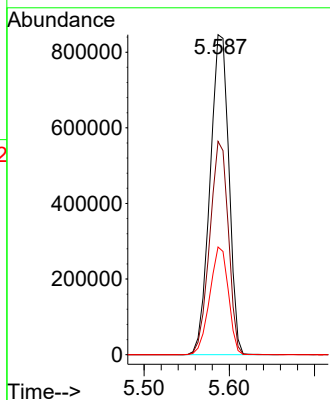
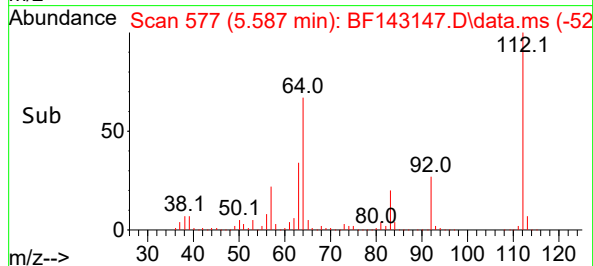
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:112 Resp: 1300344
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 33.6 26.6 40.0

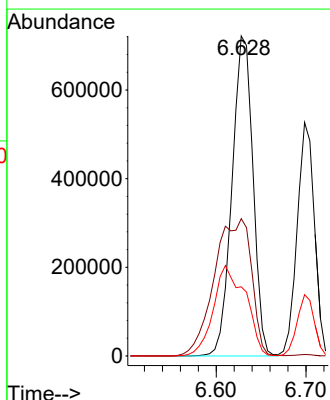
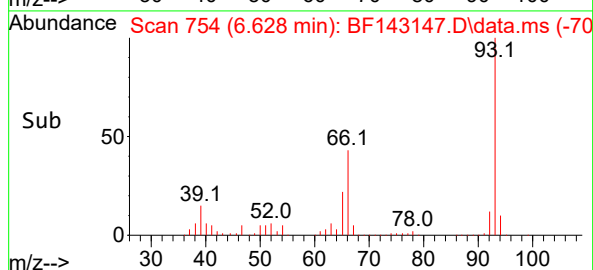
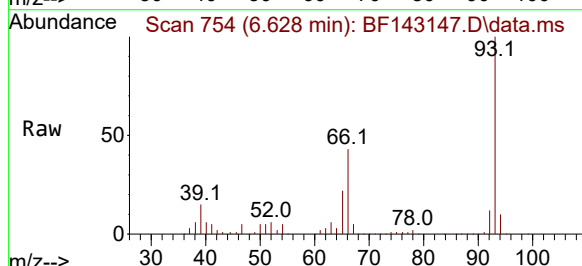
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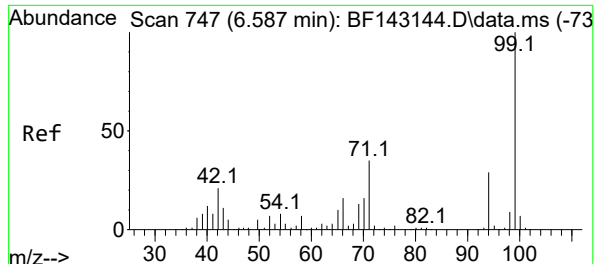
Reviewed By :Rahul Chavli 07/18/2025
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#6
Aniline
Concen: 72.831 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 93 Resp: 1170943
Ion Ratio Lower Upper
93 100
66 42.9 33.2 49.8
65 21.6 16.9 25.3





#7

Phenol-d6

Concen: 142.159 ng

RT: 6.593 min Scan# 747

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 163993

Ion Ratio Lower Upper

99 100

42 21.1 17.0 25.6

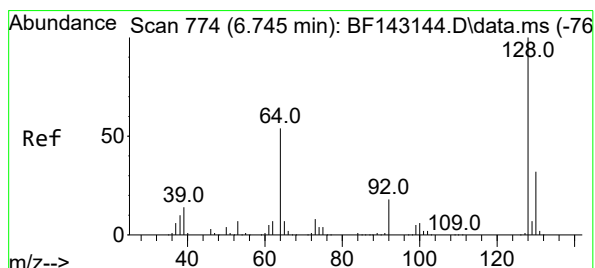
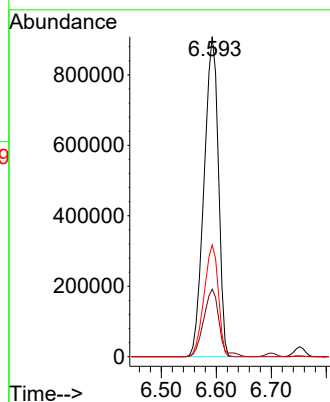
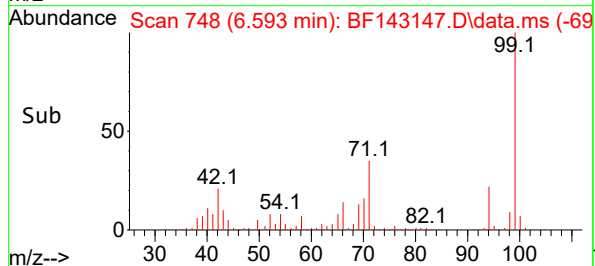
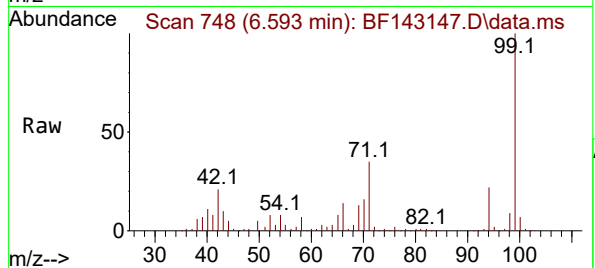
71 35.0 27.7 41.5

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#8

2-Chlorophenol

Concen: 72.781 ng

RT: 6.751 min Scan# 775

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

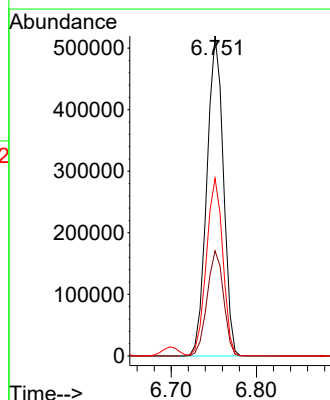
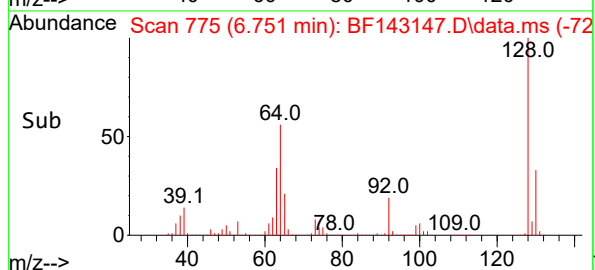
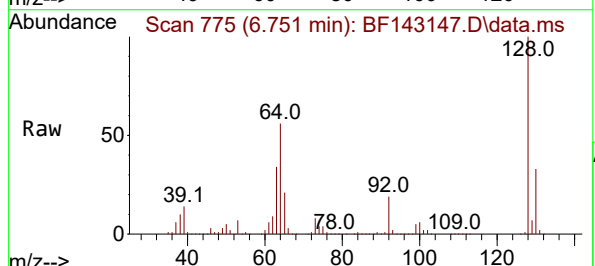
Tgt Ion:128 Resp: 699193

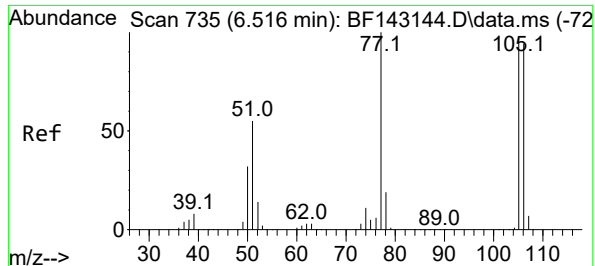
Ion Ratio Lower Upper

128 100

130 32.9 12.3 52.3

64 55.5 35.9 75.9





#9

Benzaldehyde

Concen: 57.055 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 77 Resp: 493544

Ion Ratio Lower Upper

77 100

105 96.2 76.8 116.8

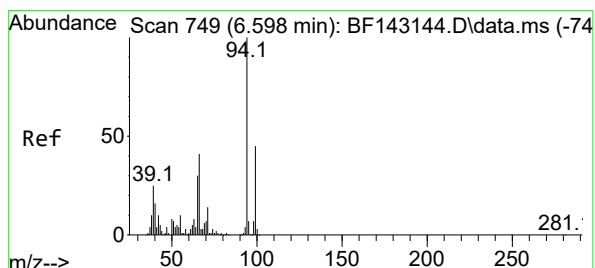
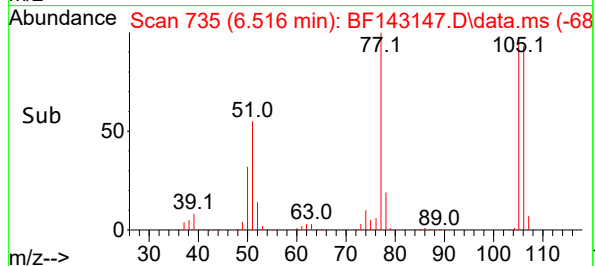
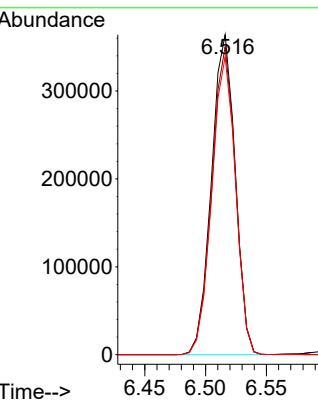
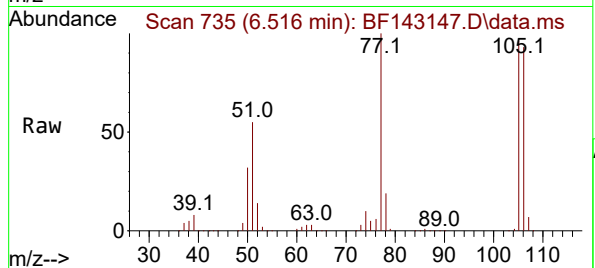
106 93.1 74.4 114.4

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#10

Phenol

Concen: 70.663 ng m

RT: 6.610 min Scan# 751

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

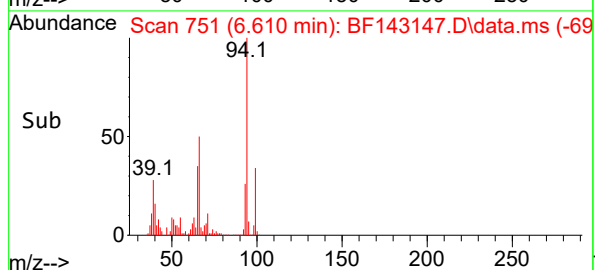
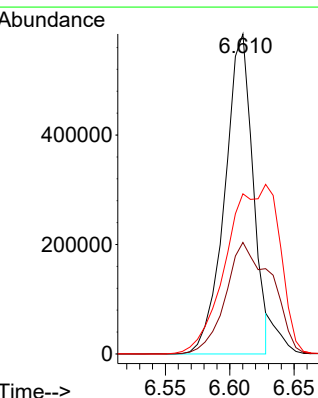
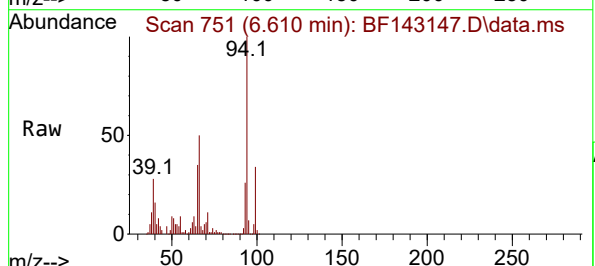
Tgt Ion: 94 Resp: 888041

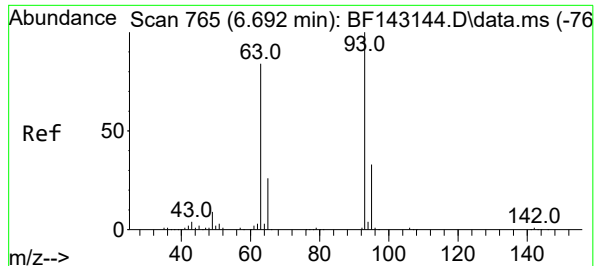
Ion Ratio Lower Upper

94 100

65 34.9 10.0 50.0

66 50.1 20.8 60.8





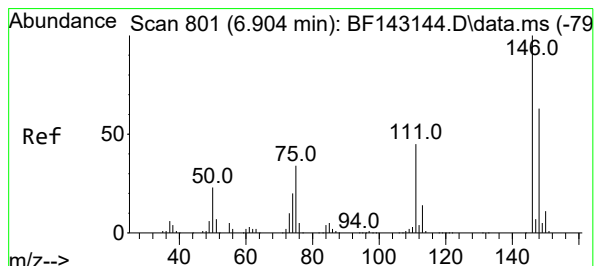
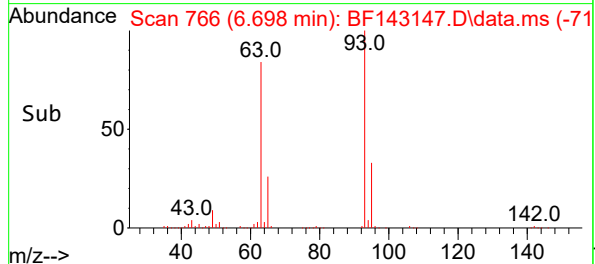
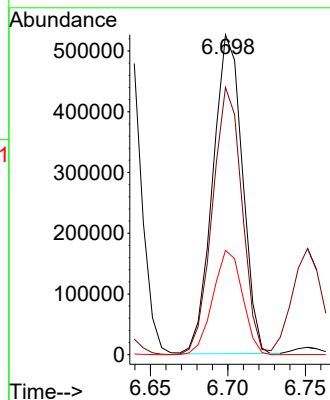
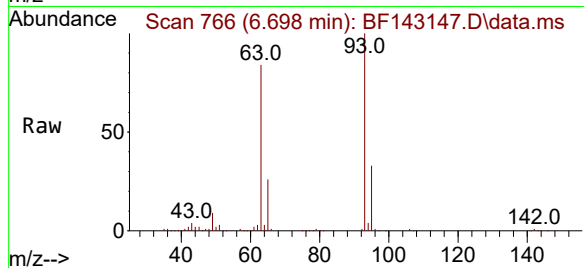
#11
bis(2-Chloroethyl)ether
Concen: 72.503 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 697649
Ion Ratio Lower Upper
93 100
63 83.6 63.4 103.4
95 32.6 12.4 52.4

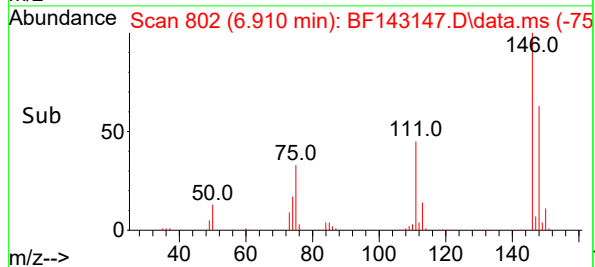
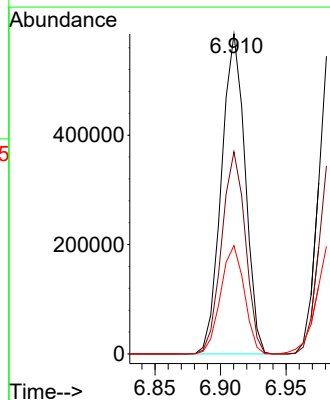
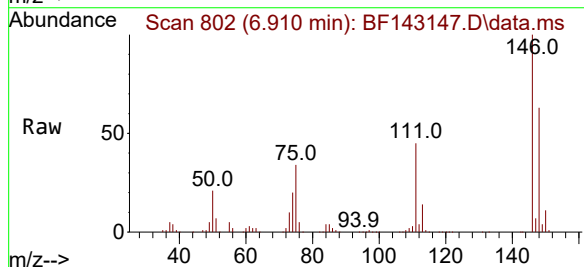
Manual Integrations
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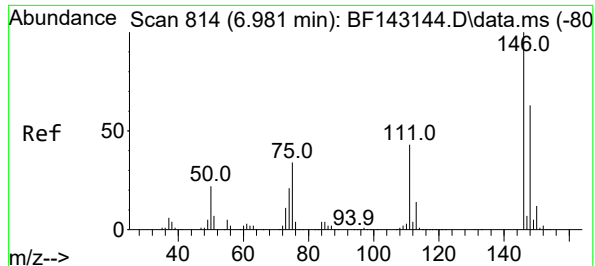
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 70.400 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:146 Resp: 734699
Ion Ratio Lower Upper
146 100
148 63.2 50.6 76.0
75 33.9 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 70.360 ng

RT: 6.987 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 739462

Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

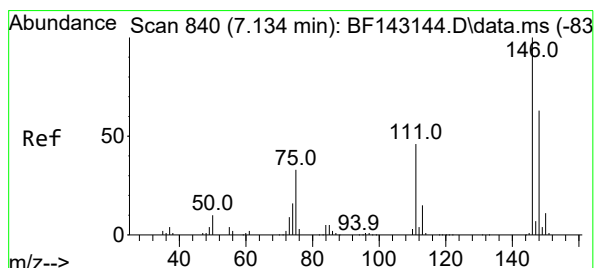
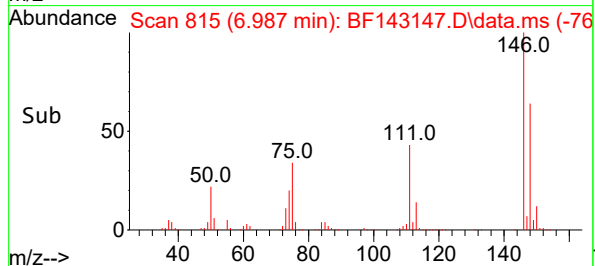
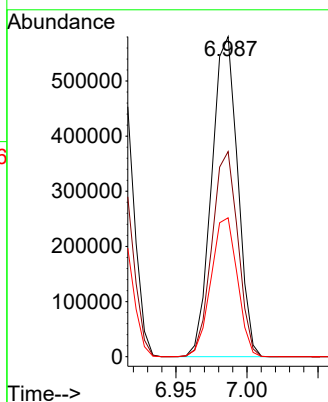
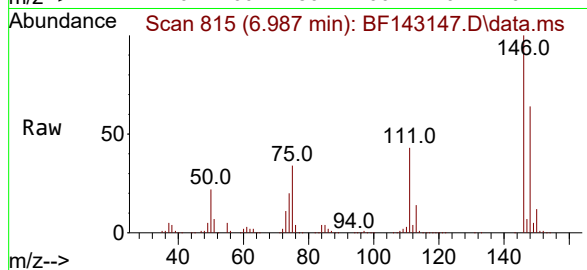
111 43.4 34.4 51.6

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 70.958 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

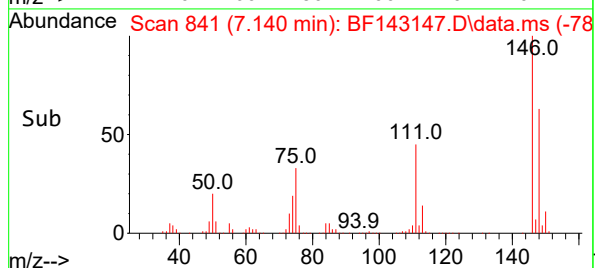
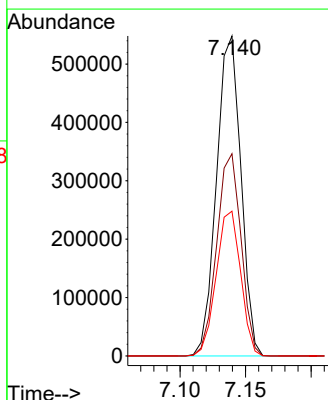
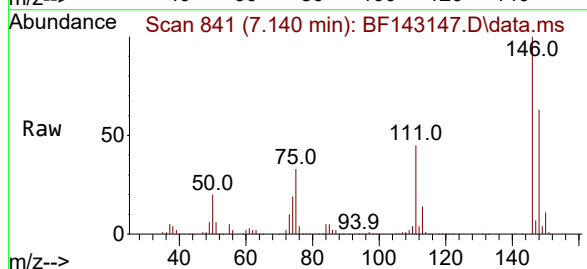
Tgt Ion:146 Resp: 709300

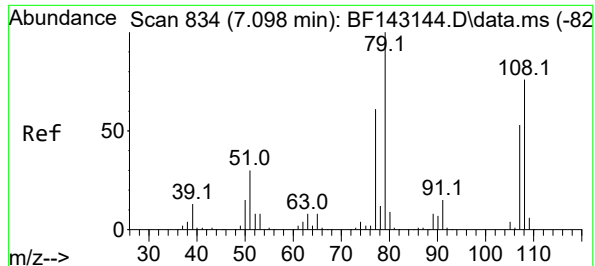
Ion Ratio Lower Upper

146 100

148 63.2 50.7 76.1

111 45.3 36.6 54.8





#15

Benzyl Alcohol

Concen: 75.139 ng

RT: 7.104 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 66184

Ion Ratio Lower Upper

79 100

108 75.8 61.1 91.7

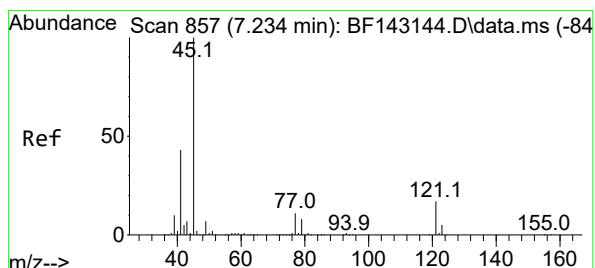
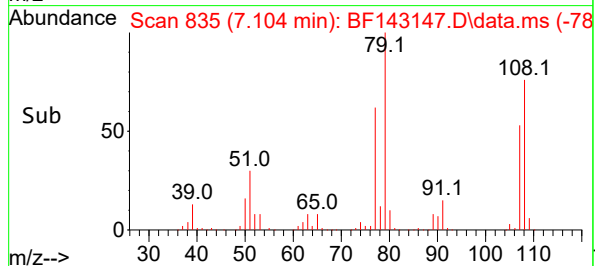
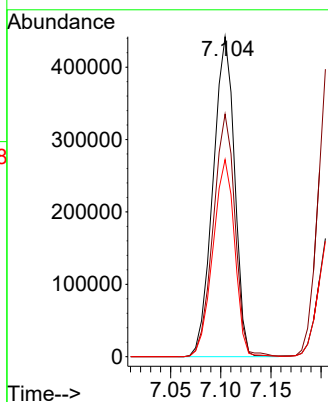
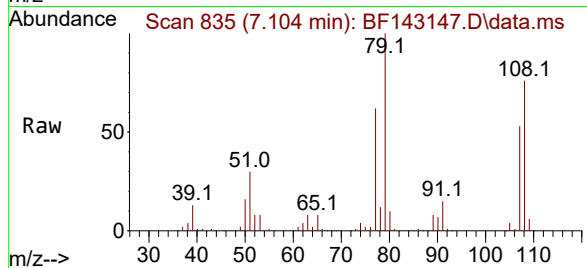
77 61.6 48.9 73.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 70.902 ng

RT: 7.240 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

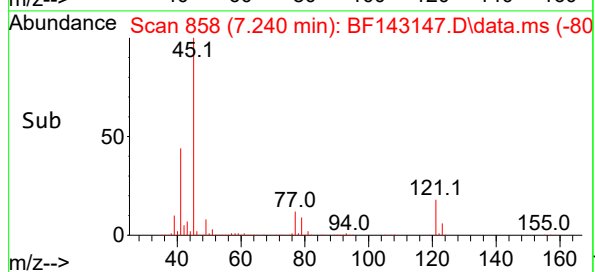
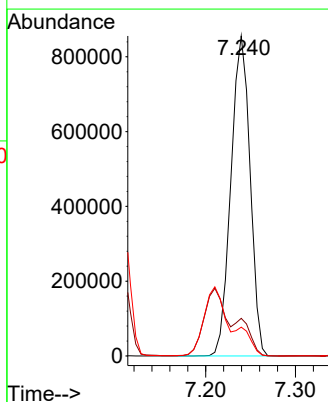
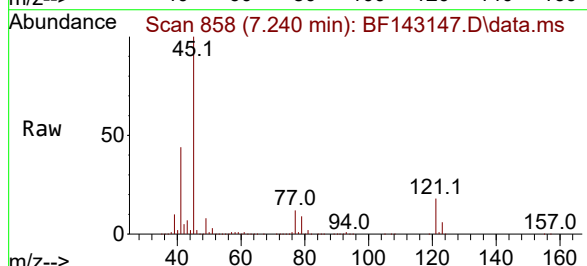
Tgt Ion: 45 Resp: 1265589

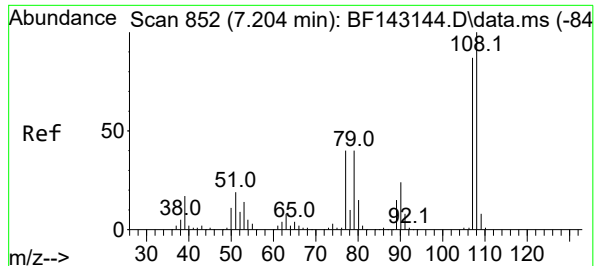
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.2

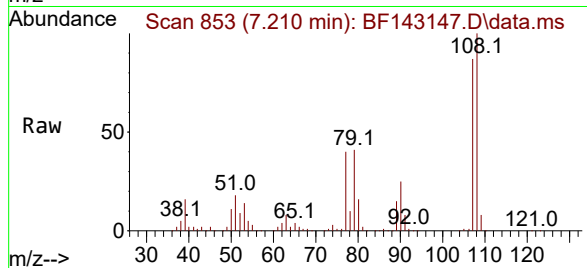
79 9.0 0.0 28.5





#17
2-Methylphenol
Concen: 73.719 ng
RT: 7.210 min Scan# 810
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

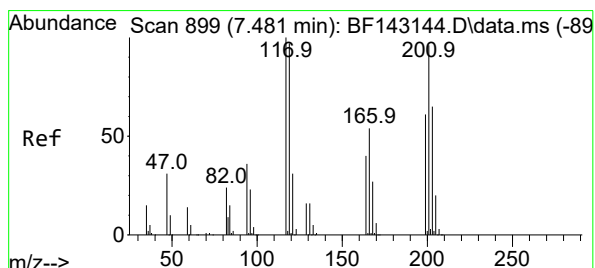
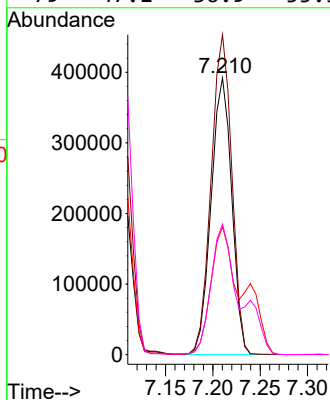
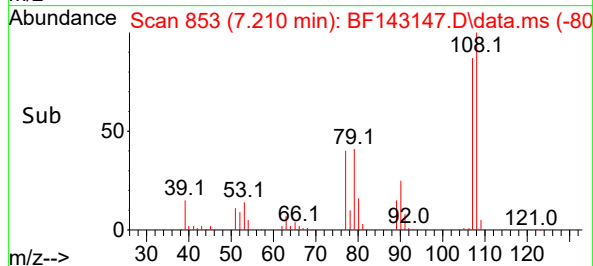
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:107 Resp: 59547
Ion Ratio Lower Upper
107 100
108 115.6 91.8 137.6
77 46.2 37.0 55.6
79 47.1 36.9 55.3

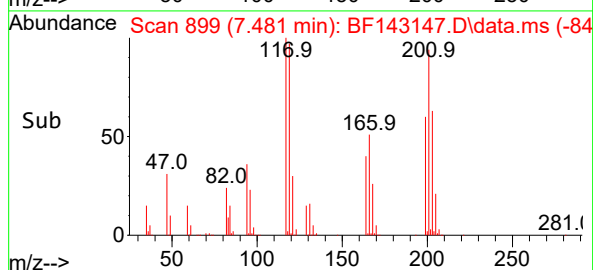
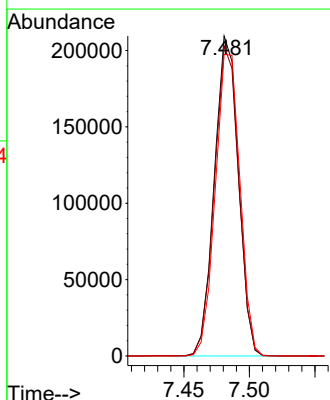
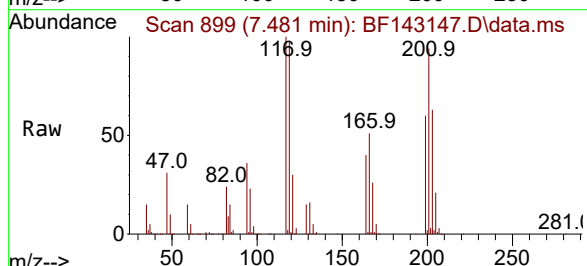
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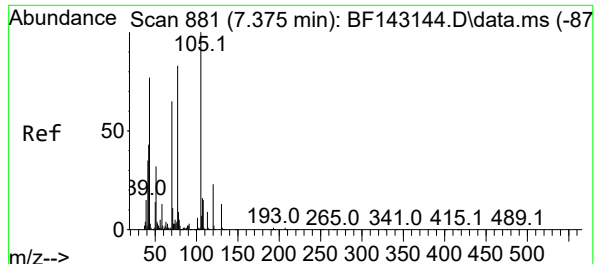
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 73.293 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

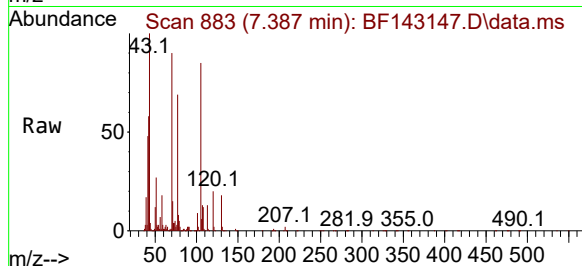
Tgt Ion:117 Resp: 266665
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.8
201 94.3 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 71.452 ng
RT: 7.387 min Scan# 881
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

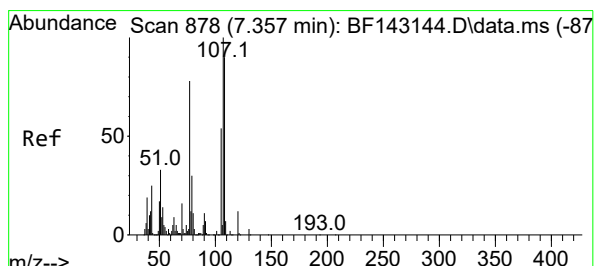
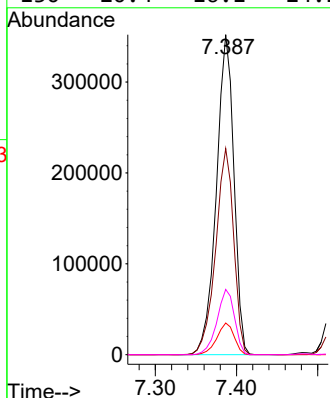
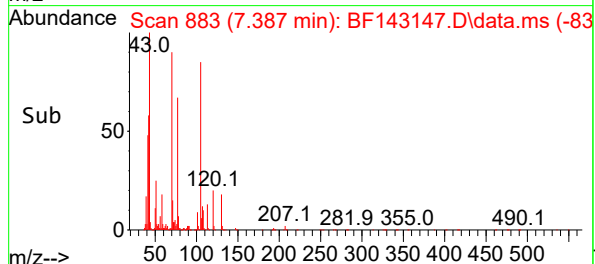
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 70 Resp: 528820
Ion Ratio Lower Upper
70 100
42 64.4 52.5 78.7
101 9.9 7.6 11.4
130 20.4 16.1 24.1

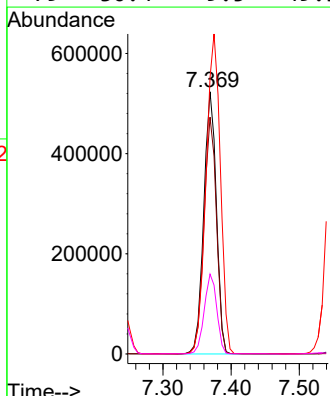
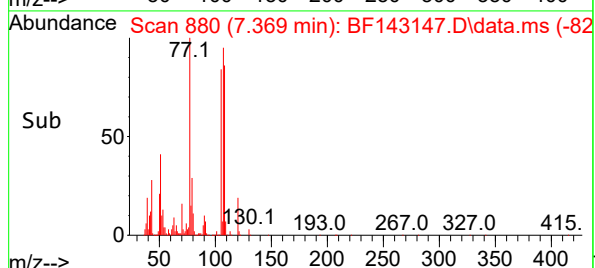
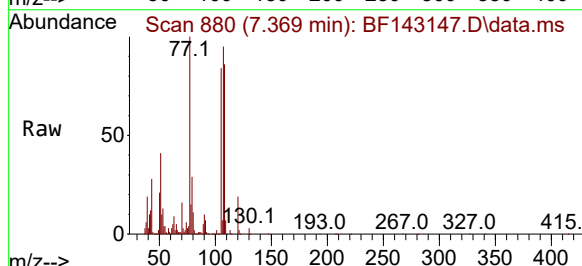
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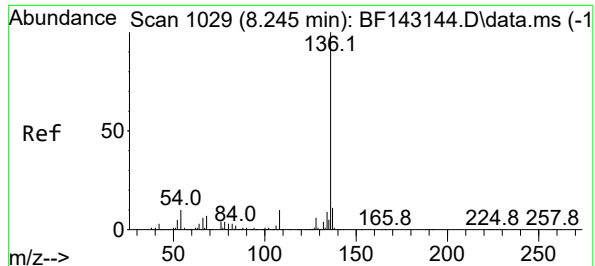
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#20
3+4-Methylphenols
Concen: 68.763 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

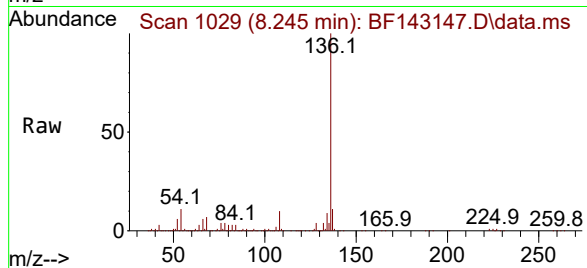
Tgt Ion:107 Resp: 673906
Ion Ratio Lower Upper
107 100
108 90.3 70.0 110.0
77 105.4 57.8 97.8#
79 30.4 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

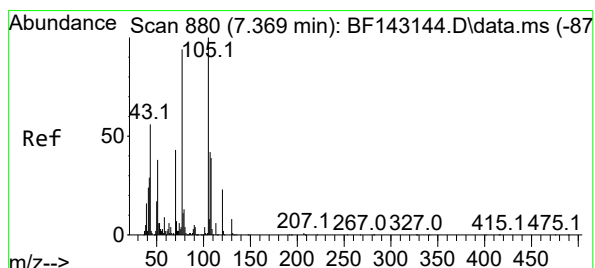
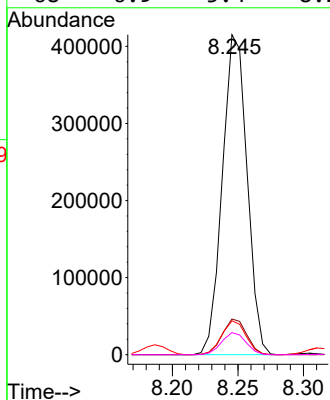
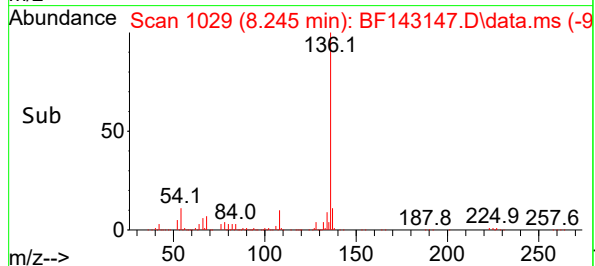
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:136 Resp: 544510
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.6 8.2 12.2
68 6.9 5.4 8.2

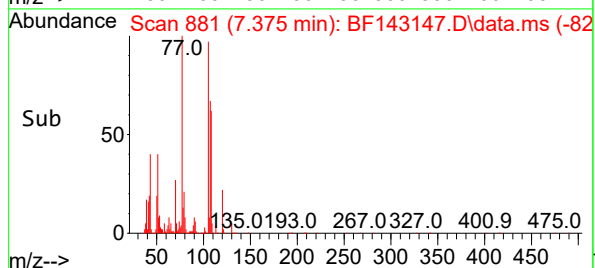
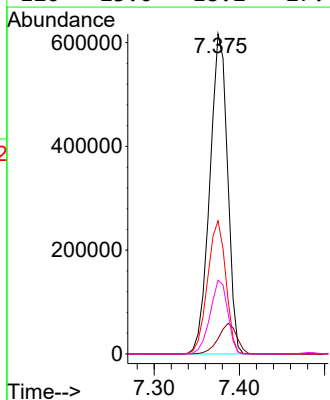
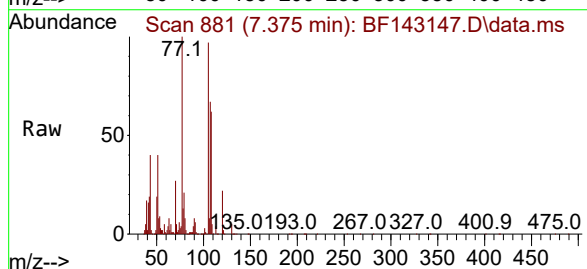
Manual Integrations
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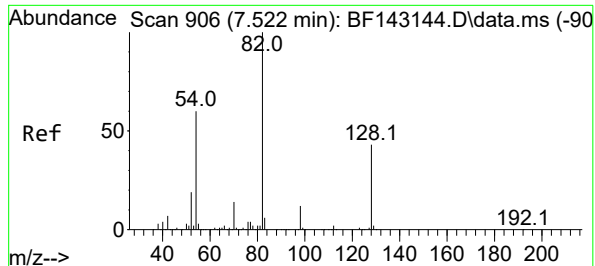
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 69.107 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:105 Resp: 890890
Ion Ratio Lower Upper
105 100
71 4.8 5.8 8.6#
51 41.6 30.2 45.2
120 23.0 18.2 27.4





#23

Nitrobenzene-d5

Concen: 150.551 ng

RT: 7.534 min Scan# 906

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 164458

Ion Ratio Lower Upper

82 100

128 43.4 33.6 50.4

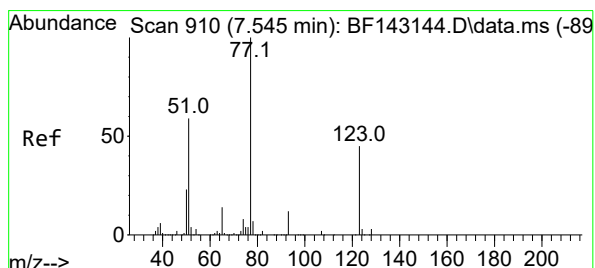
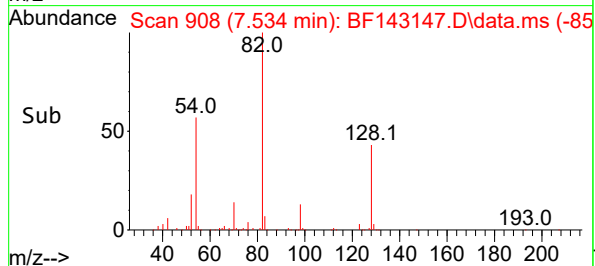
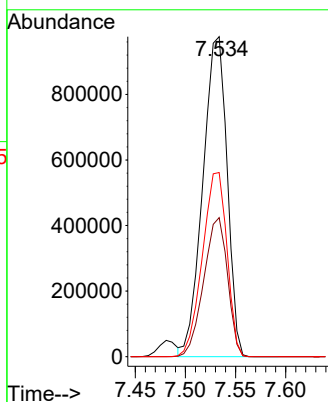
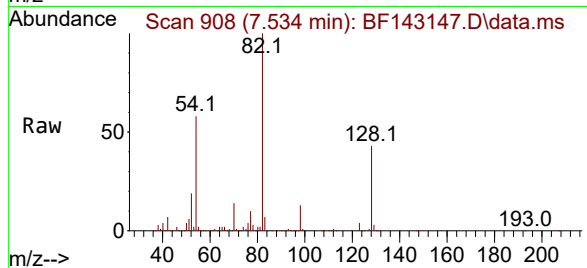
54 57.5 47.1 70.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 73.836 ng

RT: 7.551 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

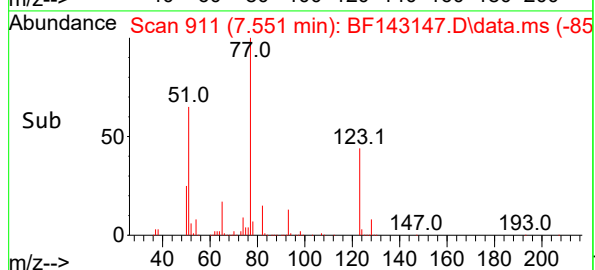
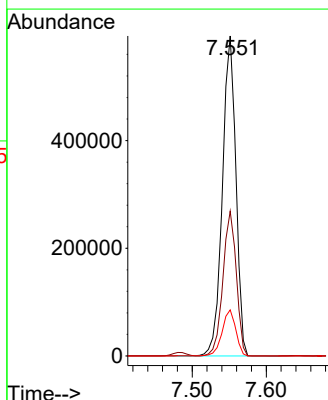
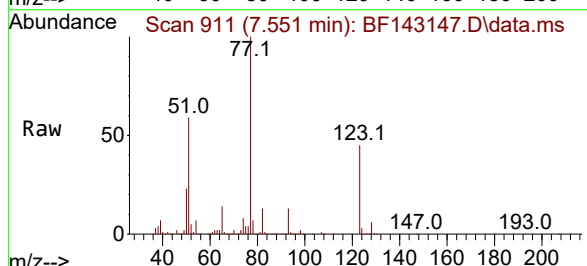
Tgt Ion: 77 Resp: 751964

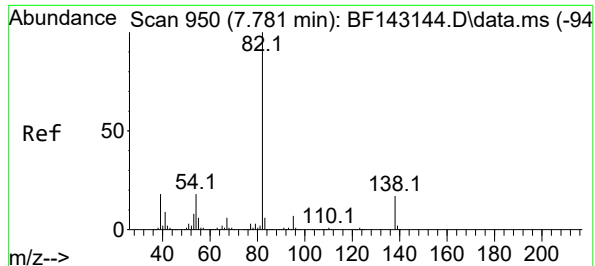
Ion Ratio Lower Upper

77 100

123 45.2 36.1 54.1

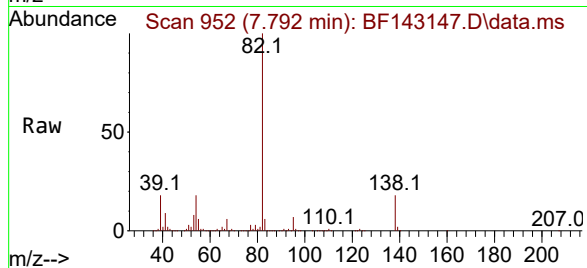
65 14.4 11.4 17.2





#25
Isophorone
Concen: 75.366 ng
RT: 7.792 min Scan# 952
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

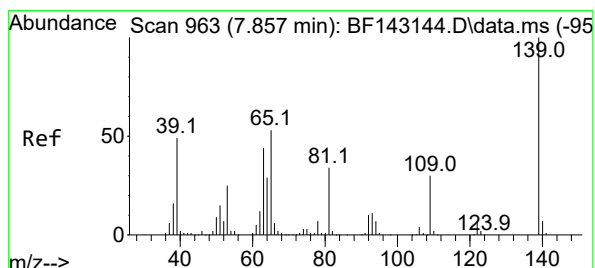
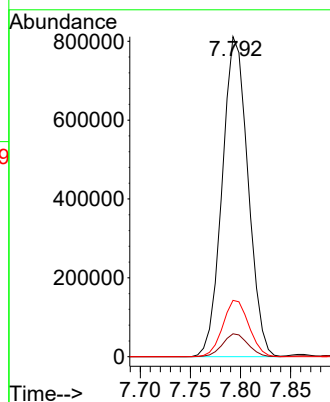
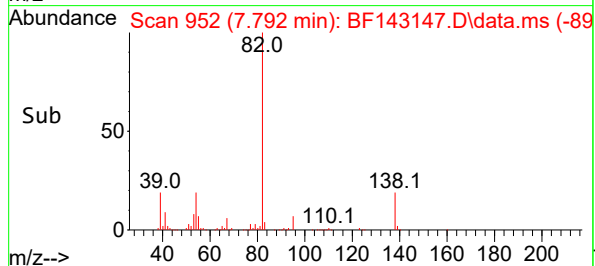
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 82 Resp: 145335
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 17.6 13.8 20.8

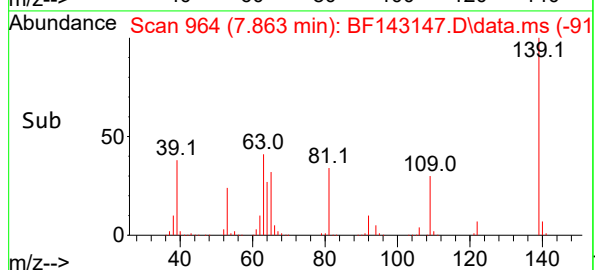
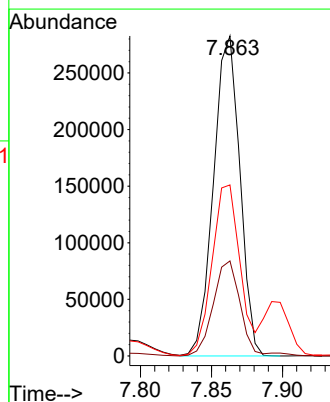
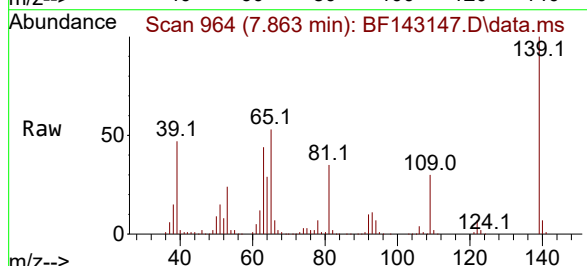
Manual Integrations
APPROVED

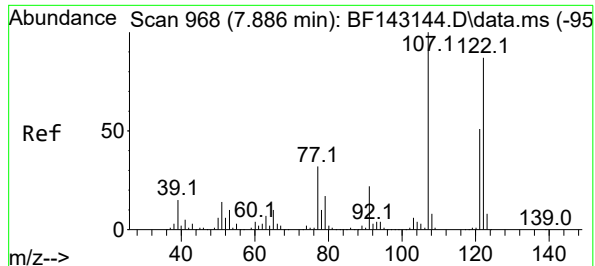
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 82.568 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:139 Resp: 364951
Ion Ratio Lower Upper
139 100
109 29.7 23.6 35.4
65 53.4 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 72.050 ng

RT: 7.898 min Scan# 91

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 64914

Ion Ratio Lower Upper

122 100

107 115.7 91.8 137.6

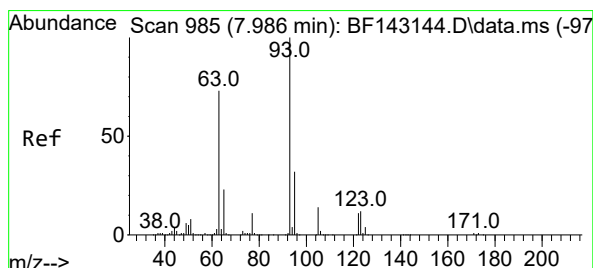
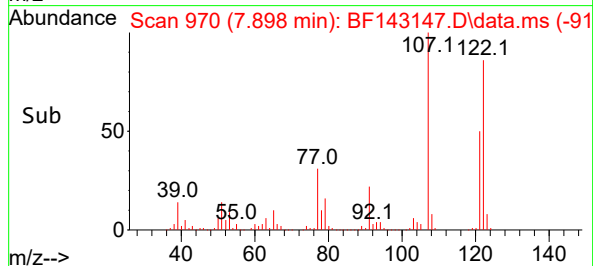
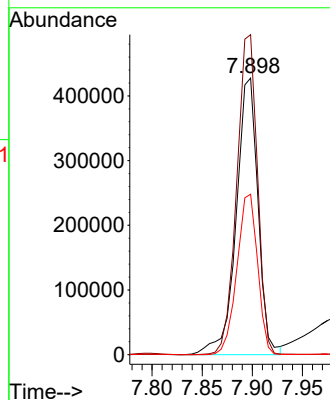
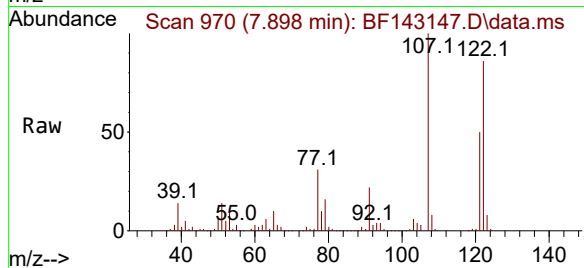
121 58.0 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 72.134 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

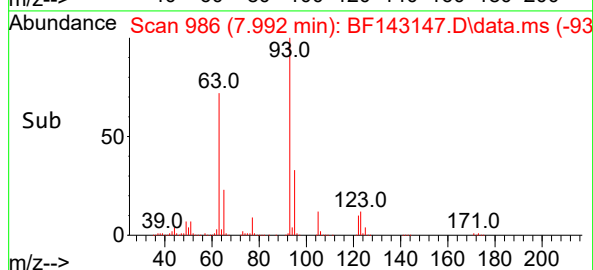
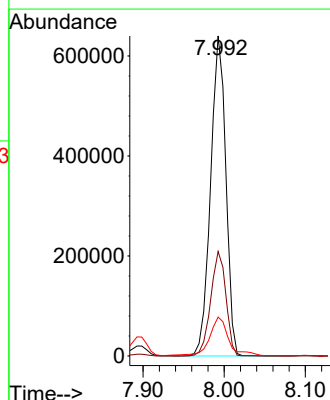
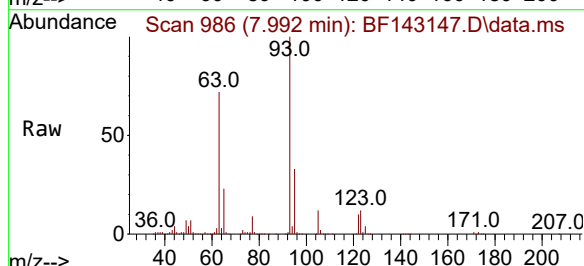
Tgt Ion: 93 Resp: 834021

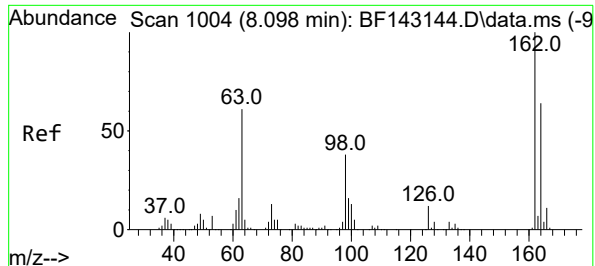
Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 73.527 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 55866

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

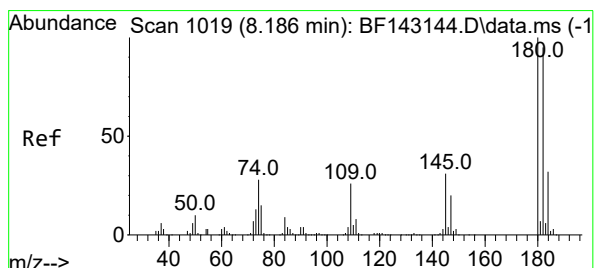
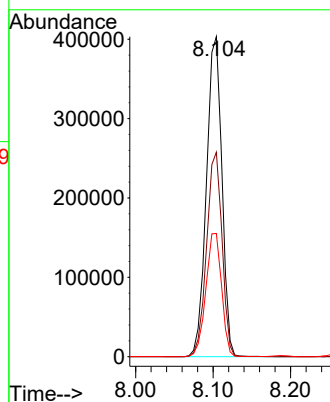
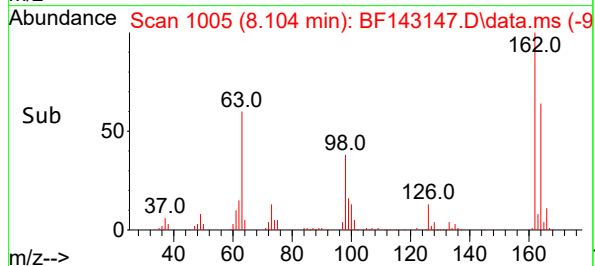
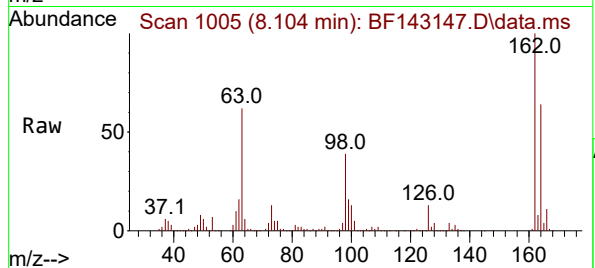
98 38.5 17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 71.673 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

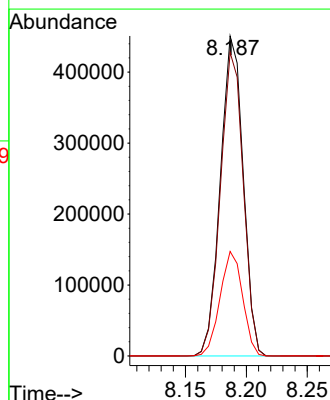
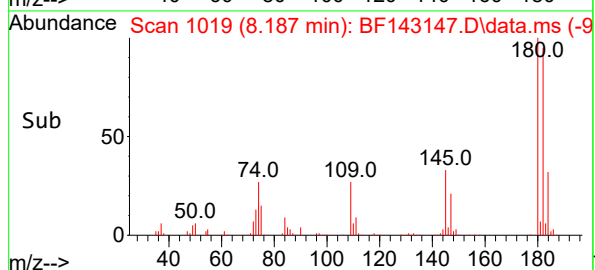
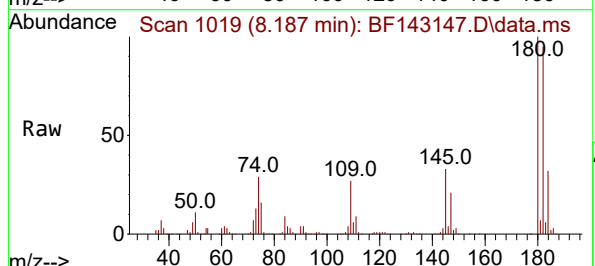
Tgt Ion:180 Resp: 588333

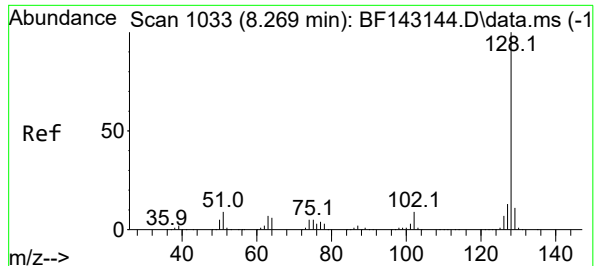
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.2

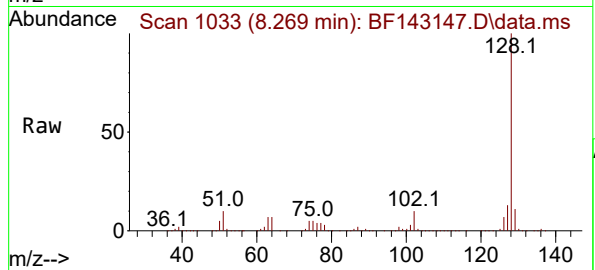
145 32.7 25.0 37.6





#31
Naphthalene
Concen: 69.150 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

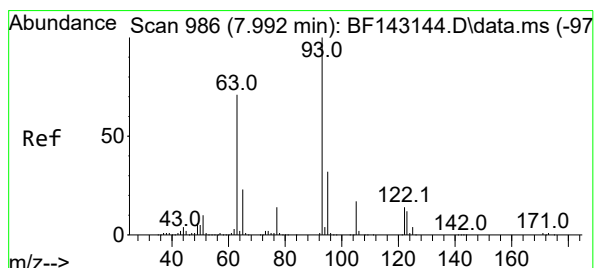
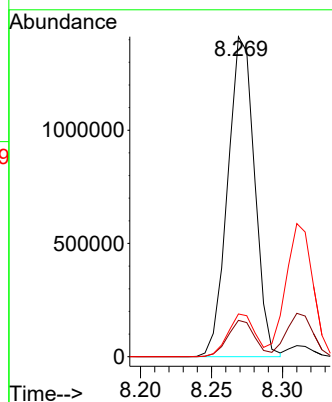
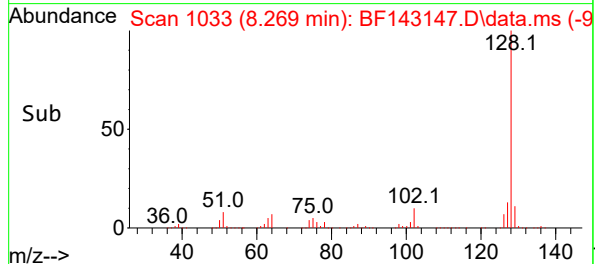
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:128 Resp: 185438
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.3 10.6 16.0

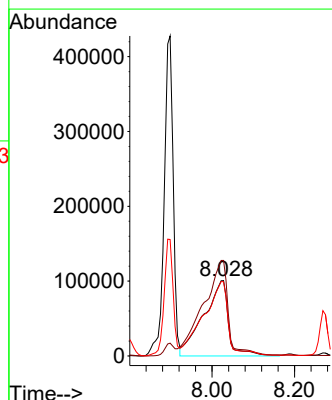
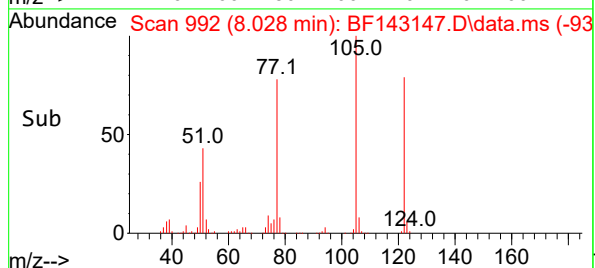
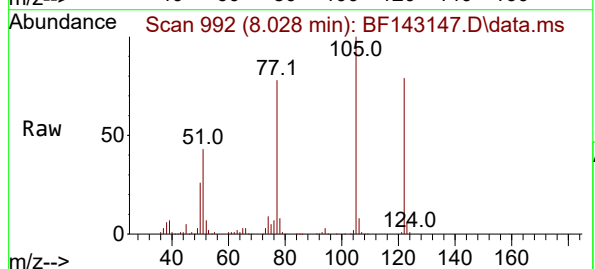
Manual Integrations
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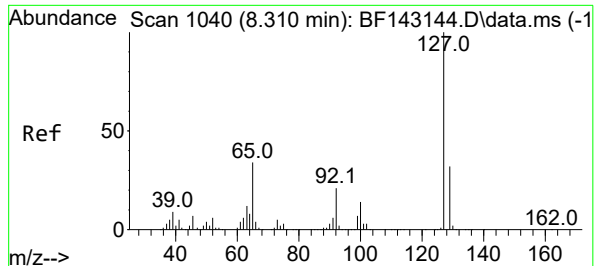
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 79.801 ng m
RT: 8.028 min Scan# 992
Delta R.T. 0.036 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

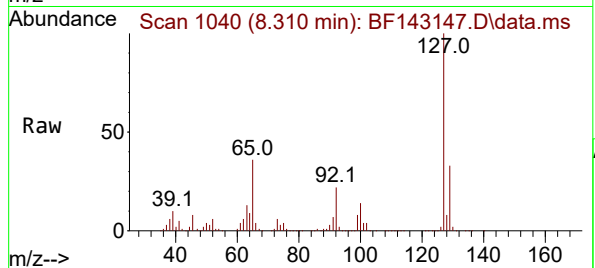
Tgt Ion:122 Resp: 423625
Ion Ratio Lower Upper
122 100
105 126.7 104.8 144.8
77 98.6 77.6 117.6





#33
4-Chloroaniline
Concen: 71.895 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

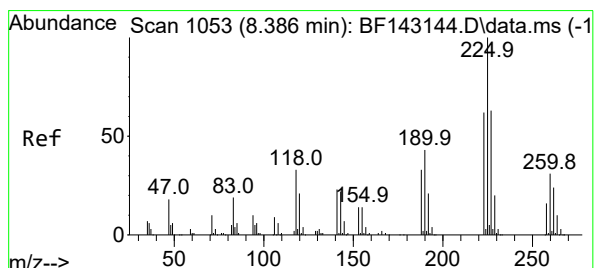
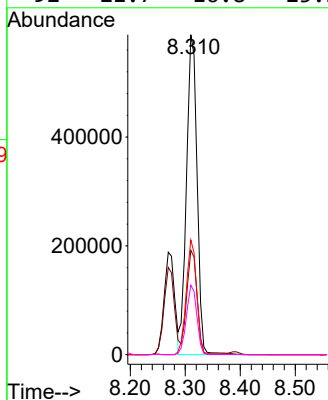
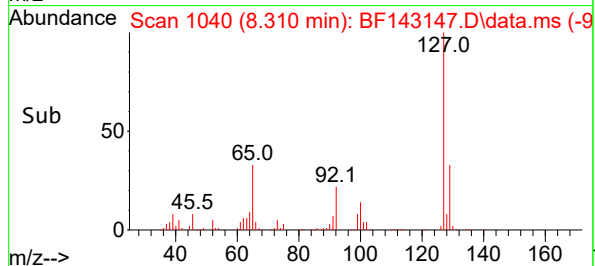
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



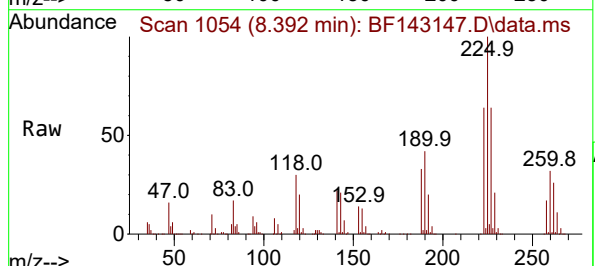
Tgt Ion:127 Resp: 78724
Ion Ratio Lower Upper
127 100
129 32.6 26.0 39.0
65 35.9 27.4 41.2
92 21.7 16.8 25.2

Manual Integrations
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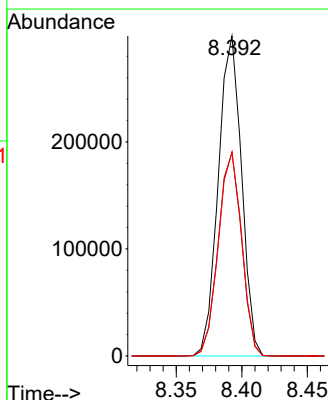
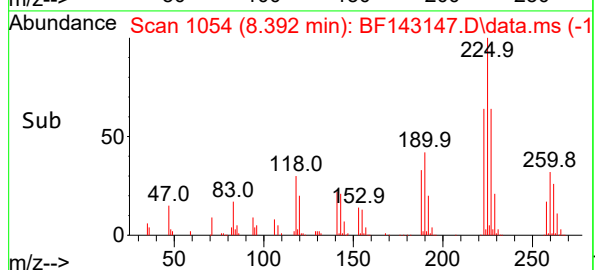
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

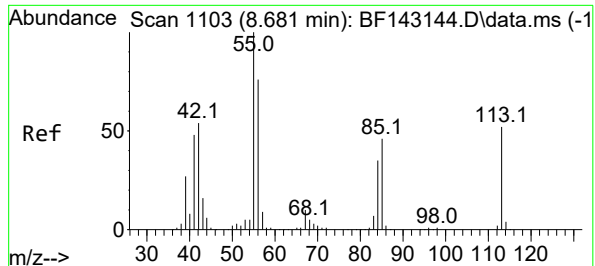


#34
Hexachlorobutadiene
Concen: 73.453 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



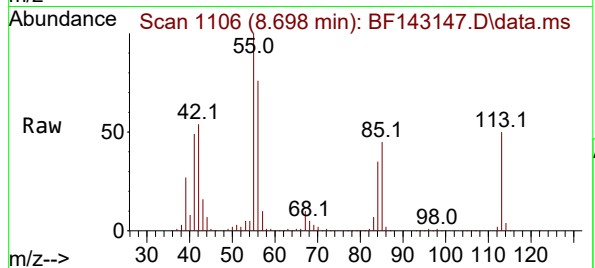
Tgt Ion:225 Resp: 368327
Ion Ratio Lower Upper
225 100
223 63.6 49.8 74.6
227 63.7 50.2 75.4





#35
Caprolactam
Concen: 77.644 ng
RT: 8.698 min Scan# 1106
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

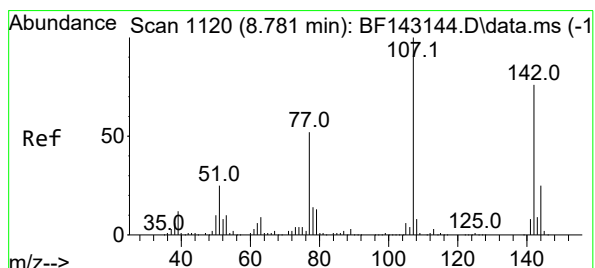
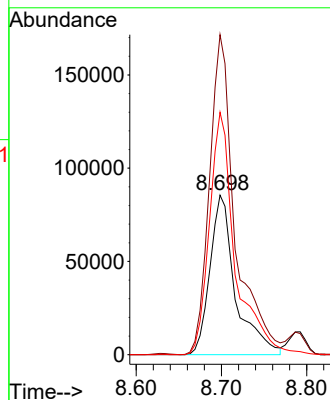
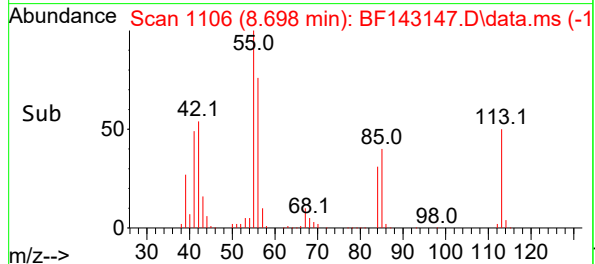
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:113 Resp: 17827
Ion Ratio Lower Upper
113 100
55 200.6 174.0 214.0
56 152.0 126.6 166.6

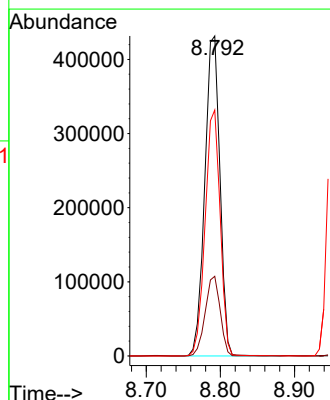
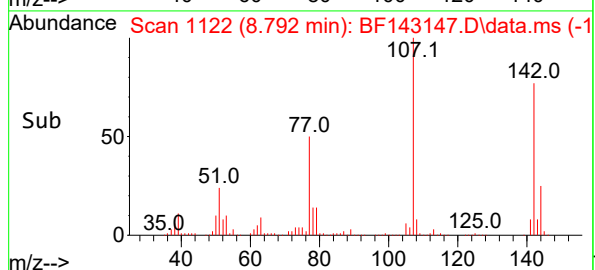
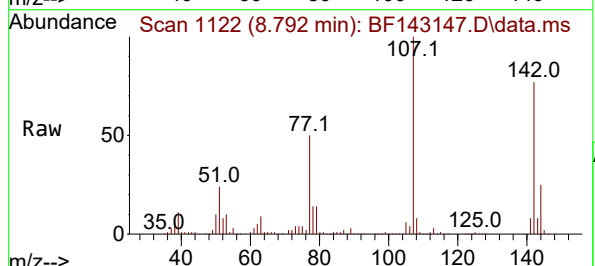
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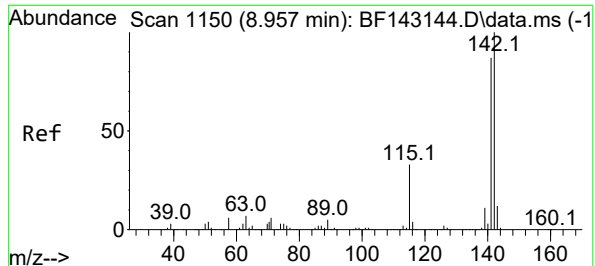
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 74.354 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

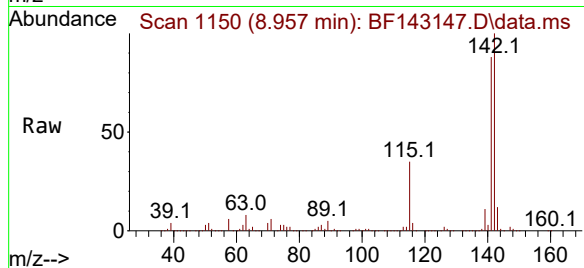
Tgt Ion:107 Resp: 614048
Ion Ratio Lower Upper
107 100
144 24.9 19.8 29.6
142 76.9 60.6 90.8





#37
2-Methylnaphthalene
Concen: 69.687 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

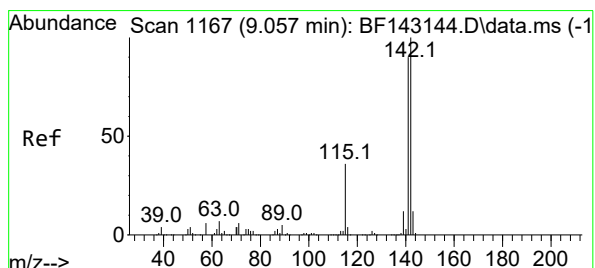
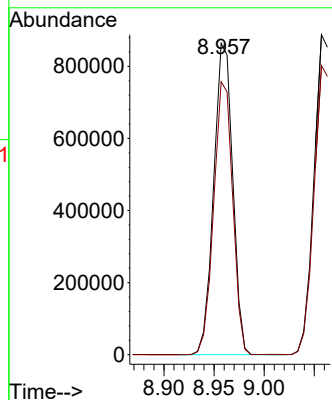
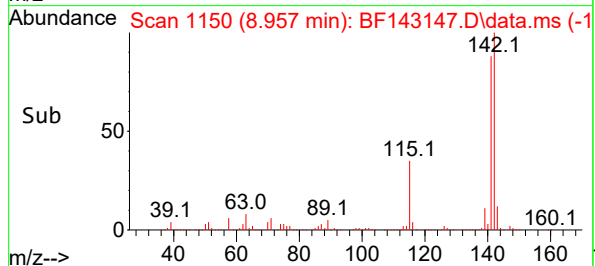
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:142 Resp: 1137170
Ion Ratio Lower Upper
142 100
141 87.7 69.9 104.9

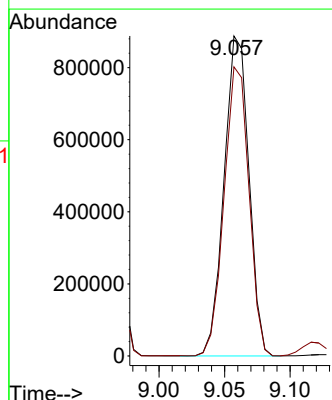
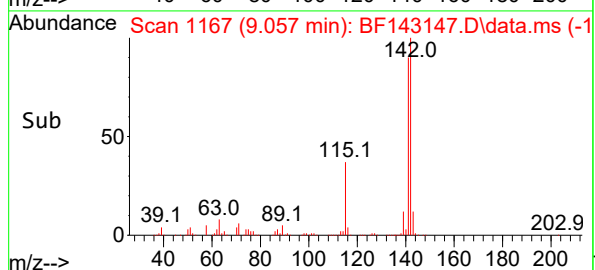
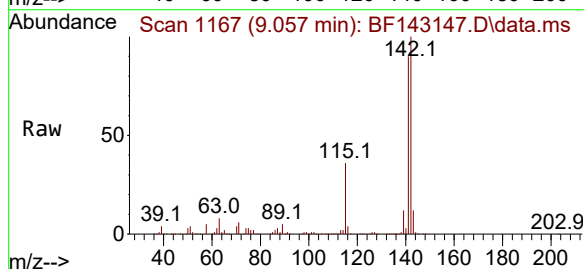
Manual Integrations
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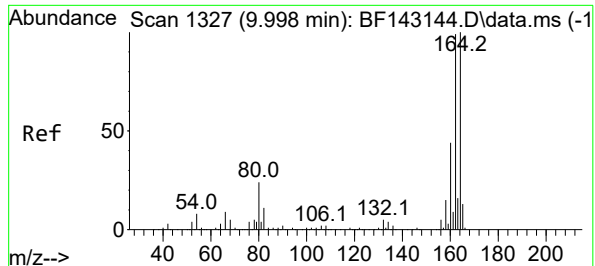
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 69.550 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:142 Resp: 1168702
Ion Ratio Lower Upper
142 100
141 90.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1178

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:164 Resp: 275619

Ion Ratio Lower Upper

164 100

162 99.2 79.0 118.6

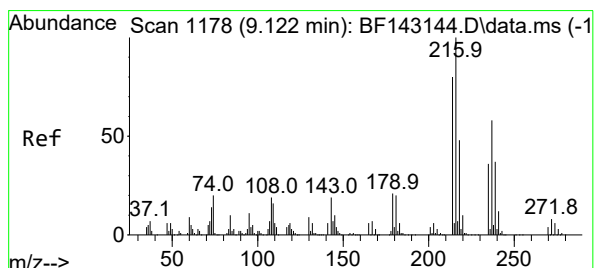
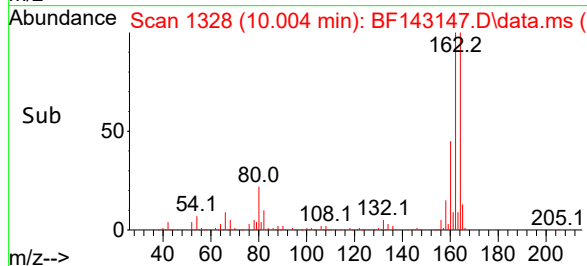
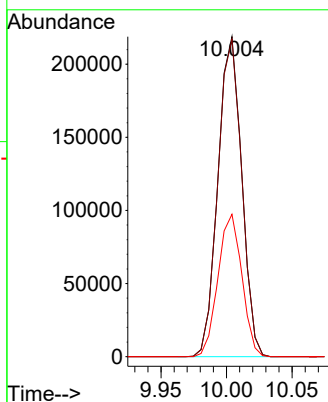
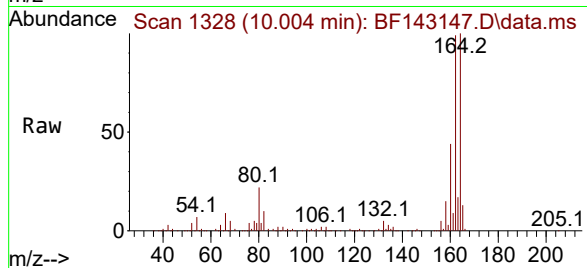
160 44.5 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 71.389 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion:216 Resp: 568070

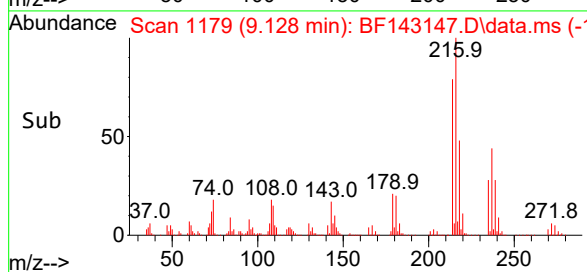
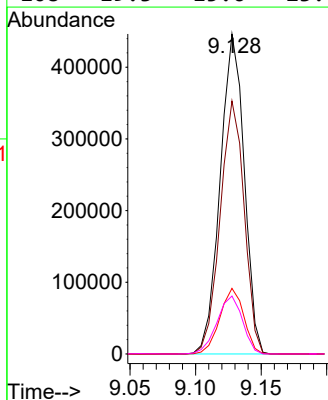
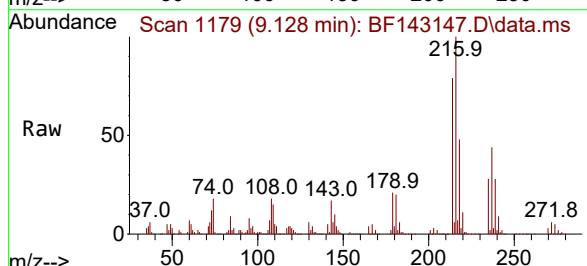
Ion Ratio Lower Upper

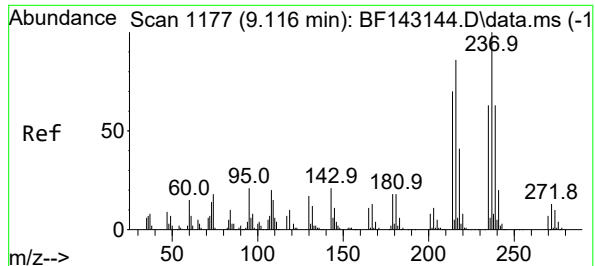
216 100

214 78.9 63.8 95.8

179 20.4 16.4 24.6

108 19.3 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 79.719 ng

RT: 9.122 min Scan# 1177

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:237 Resp: 412750

Ion Ratio Lower Upper

237 100

235 63.2 43.0 83.0

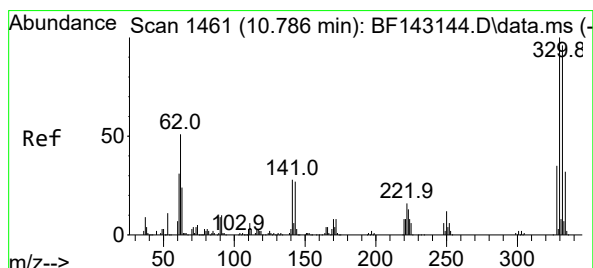
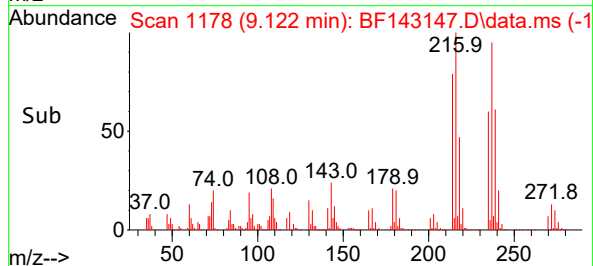
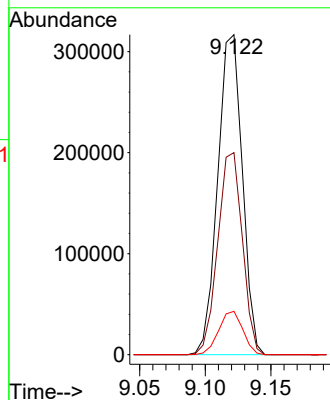
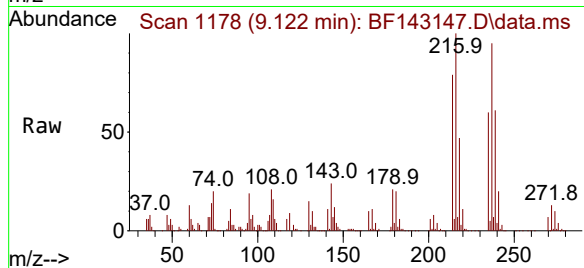
272 13.6 0.0 33.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 153.498 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

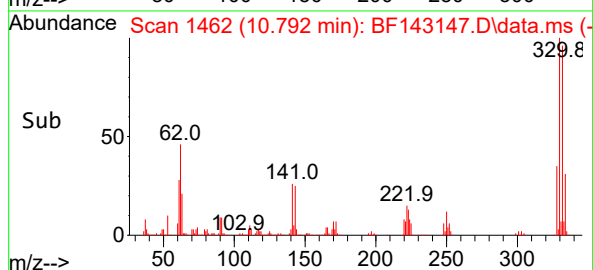
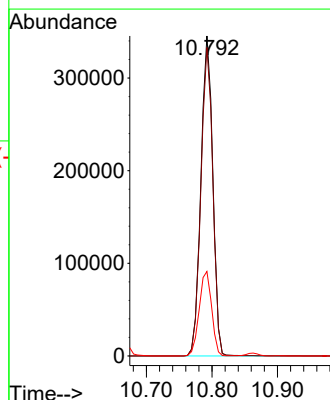
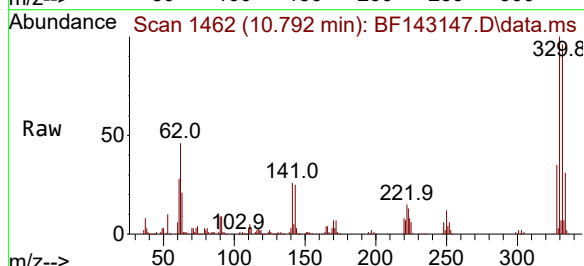
Tgt Ion:330 Resp: 437054

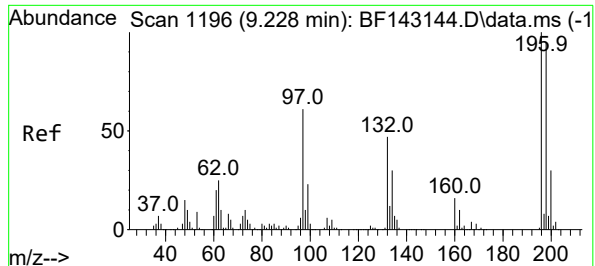
Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

141 27.7 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 74.838 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143147.D

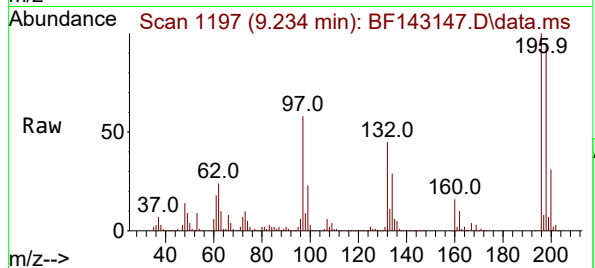
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 412148

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

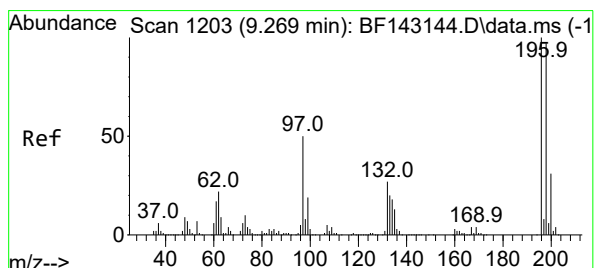
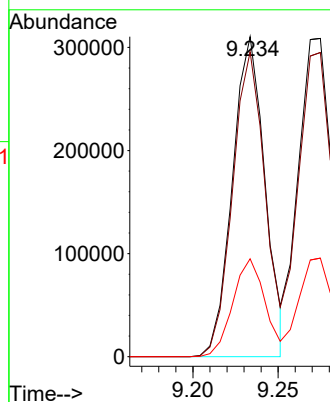
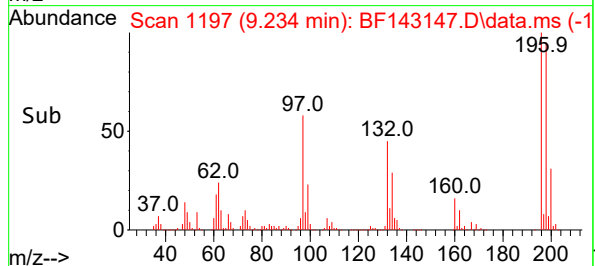
200 30.6 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

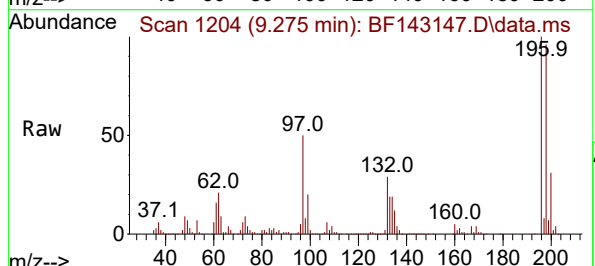
Concen: 76.888 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34



Tgt Ion:196 Resp: 423565

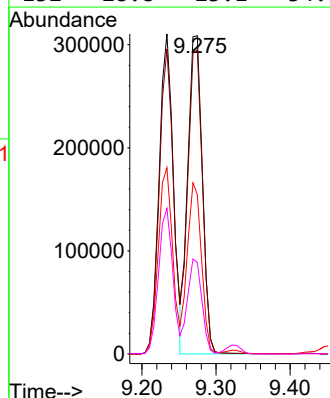
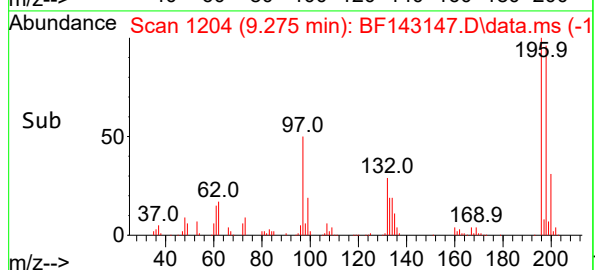
Ion Ratio Lower Upper

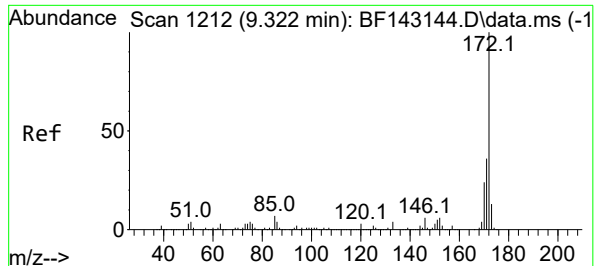
196 100

198 95.6 77.3 115.9

97 50.1 40.3 60.5

132 28.8 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 130.157 ng

RT: 9.322 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:172 Resp: 262307

Ion Ratio Lower Upper

172 100

171 36.0 28.6 42.8

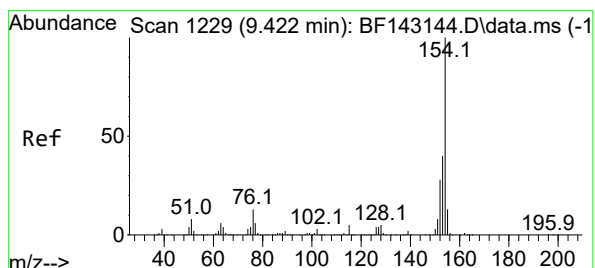
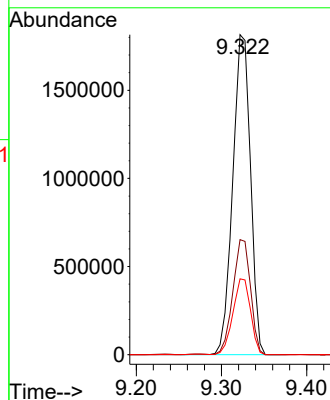
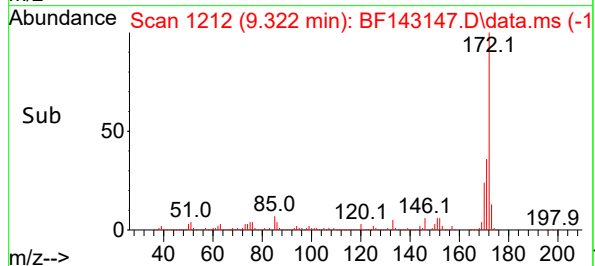
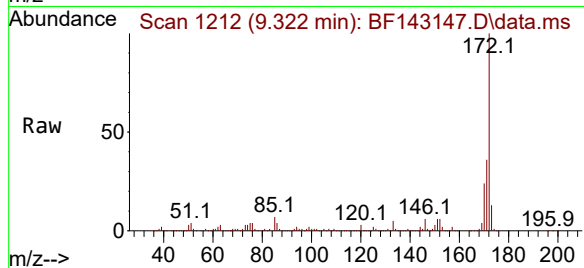
170 23.7 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 69.388 ng

RT: 9.428 min Scan# 1230

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

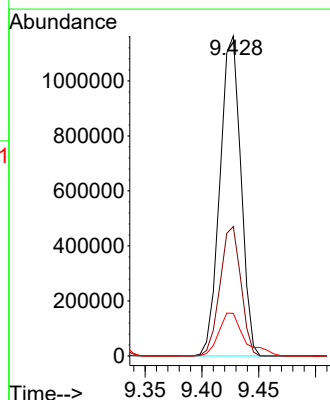
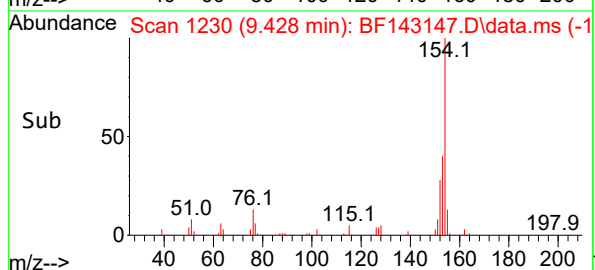
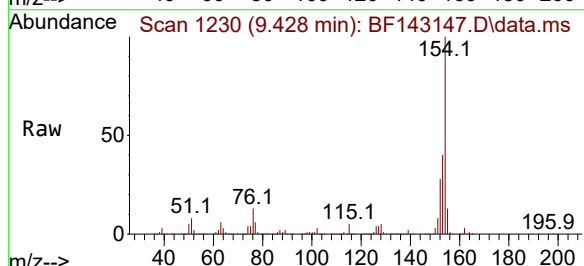
Tgt Ion:154 Resp: 1492094

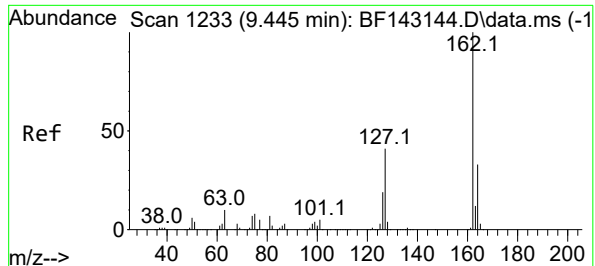
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

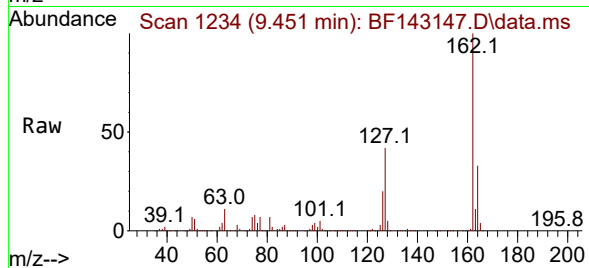
76 13.3 0.0 33.3





#47
2-Chloronaphthalene
Concen: 71.122 ng
RT: 9.451 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

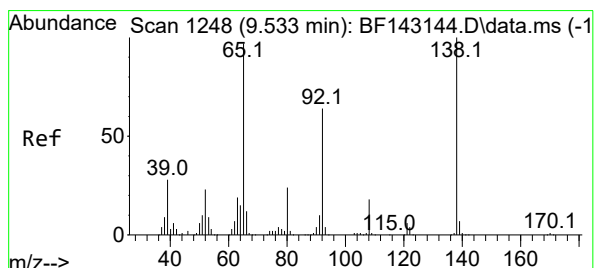
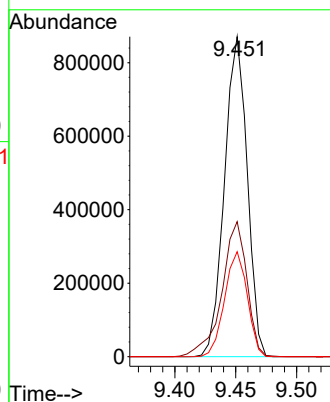
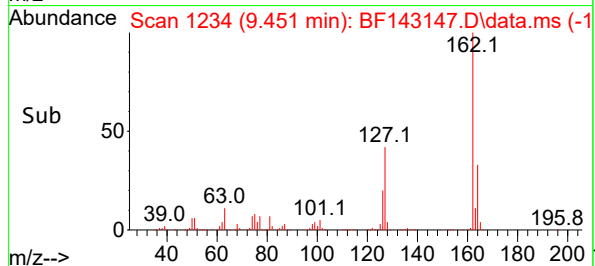
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 162 Resp: 1131620
Ion Ratio Lower Upper
162 100
127 42.2 33.4 50.2
164 32.8 26.2 39.2

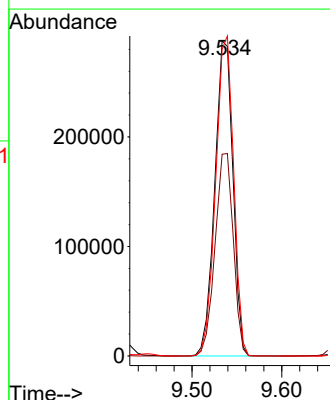
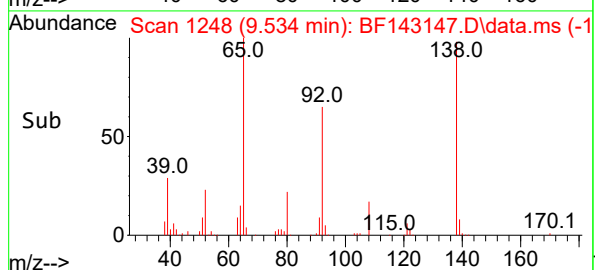
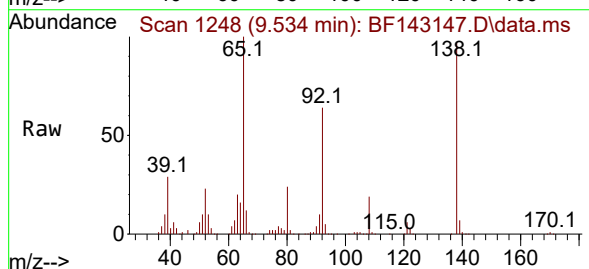
Manual Integrations
APPROVED

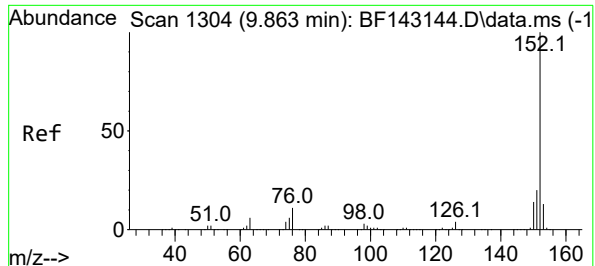
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#48
2-Nitroaniline
Concen: 80.971 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 65 Resp: 404023
Ion Ratio Lower Upper
65 100
92 64.0 52.4 78.6
138 97.3 82.3 123.5





#49

Acenaphthylene

Concen: 70.057 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 1868062

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

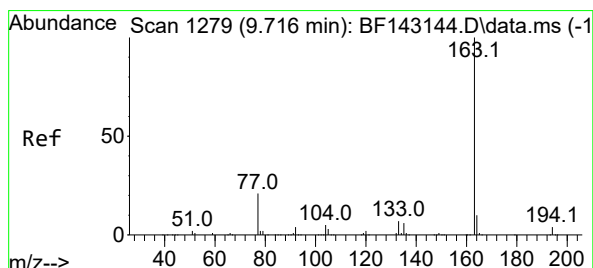
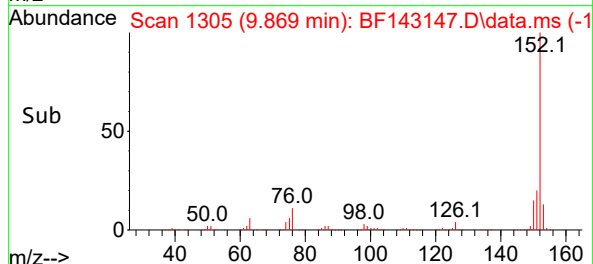
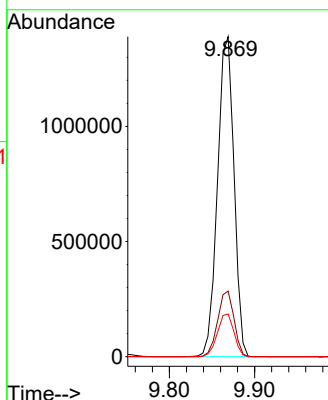
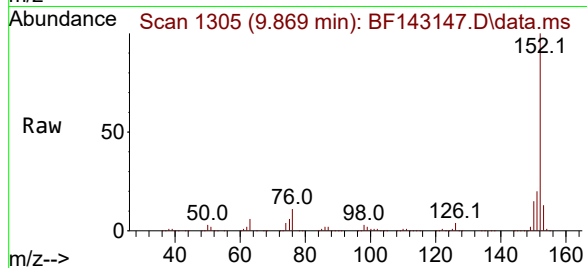
153 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

Concen: 71.723 ng

RT: 9.728 min Scan# 1281

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

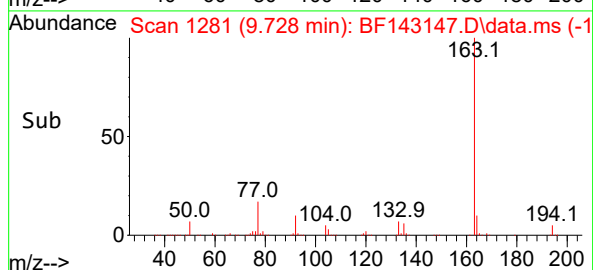
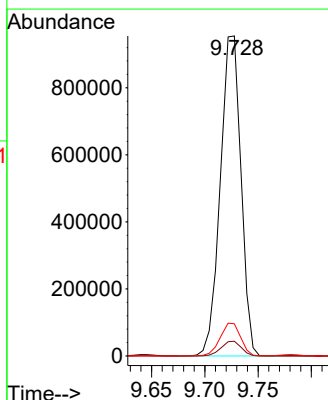
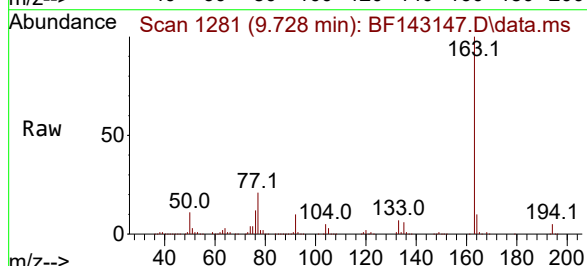
Tgt Ion:163 Resp: 1288559

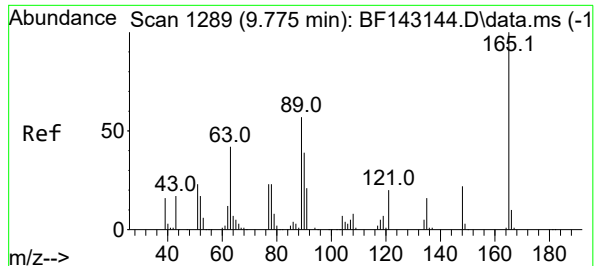
Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

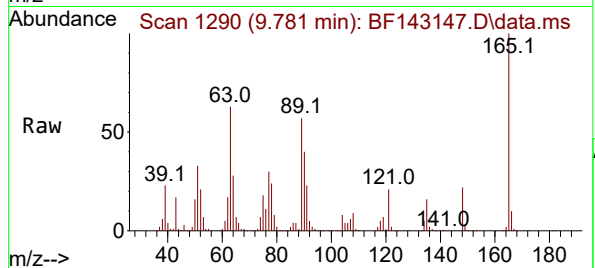
164 10.0 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 80.093 ng
RT: 9.781 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

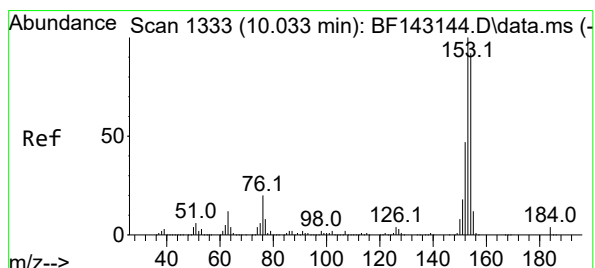
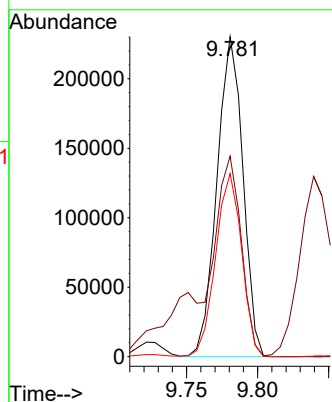
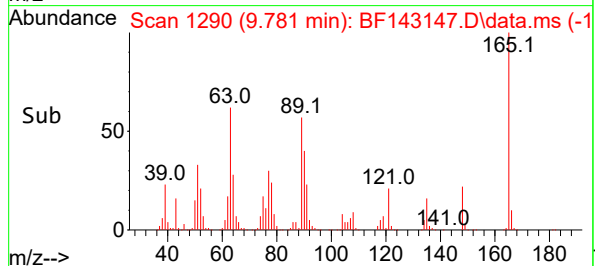
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 292718
Ion Ratio Lower Upper
165 100
63 62.6 49.4 74.2
89 57.2 46.2 69.2

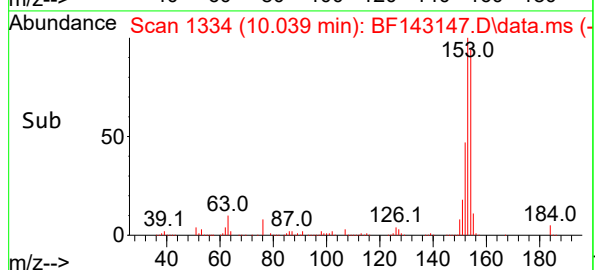
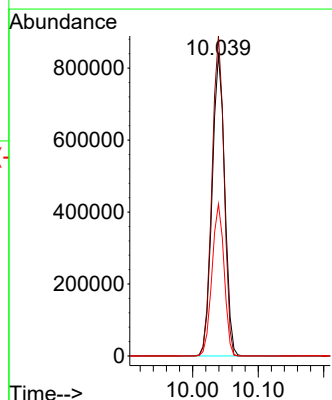
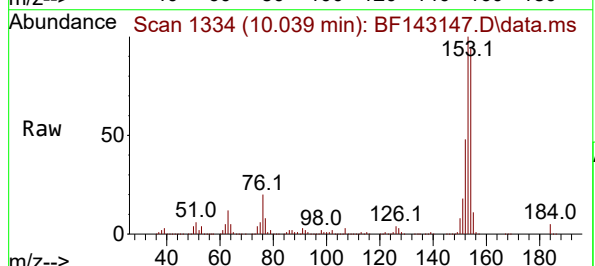
Manual Integrations
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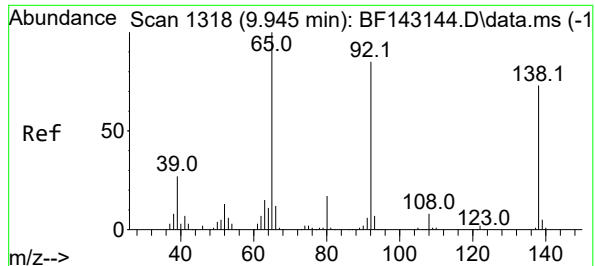
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 71.086 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

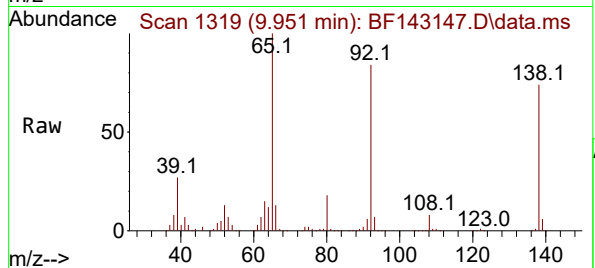
Tgt Ion:154 Resp: 1120315
Ion Ratio Lower Upper
154 100
153 106.1 86.6 129.8
152 50.4 40.4 60.6





#53
3-Nitroaniline
Concen: 78.128 ng
RT: 9.951 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

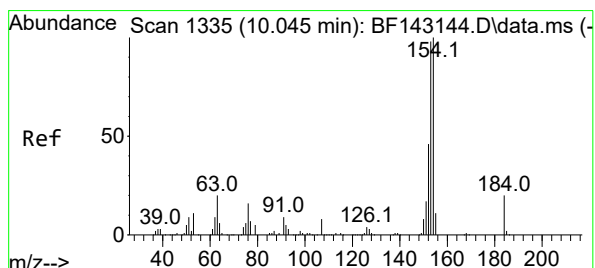
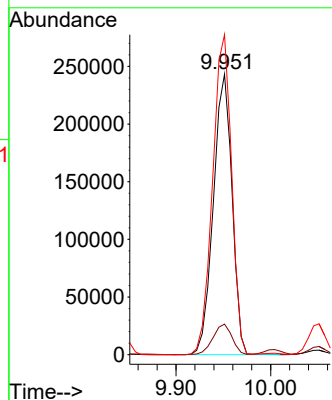
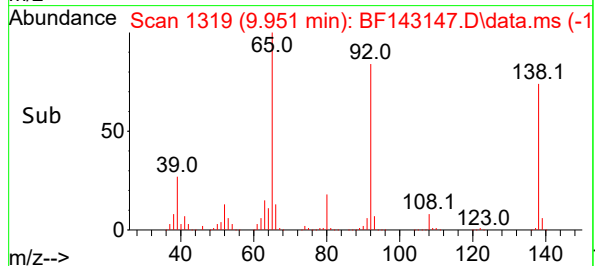
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



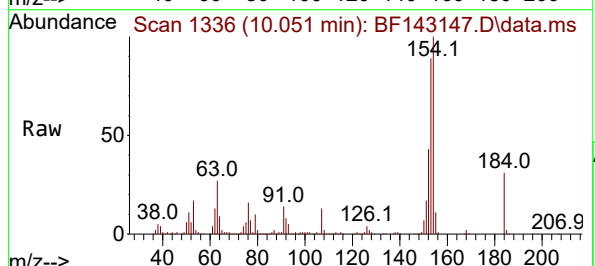
Tgt Ion:138 Resp: 333980
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.6
92 114.1 93.0 139.4

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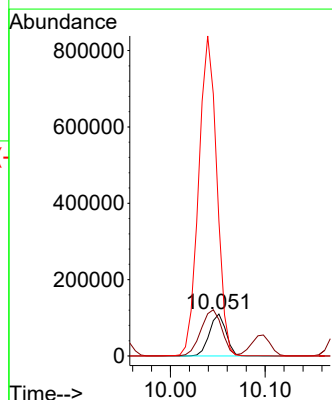
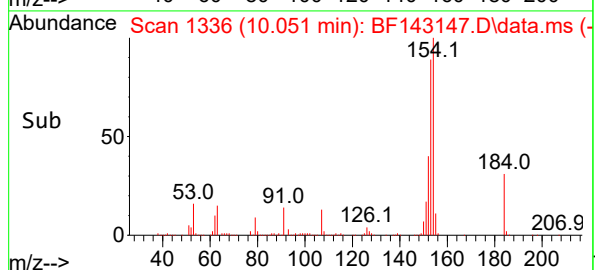
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

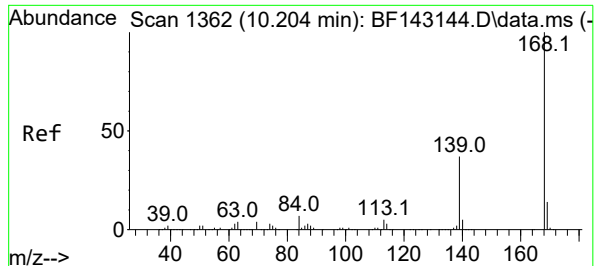


#54
2,4-Dinitrophenol
Concen: 80.516 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



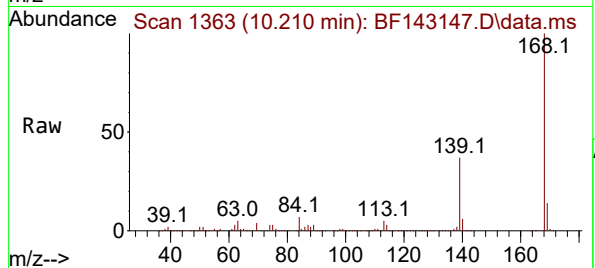
Tgt Ion:184 Resp: 133446
Ion Ratio Lower Upper
184 100
63 86.6 81.8 122.6
154 321.6 412.2 618.4#





#55
Dibenzenofuran
Concen: 69.038 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

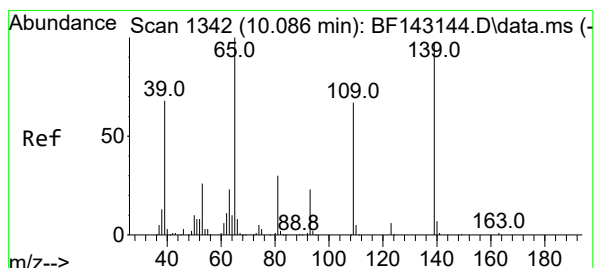
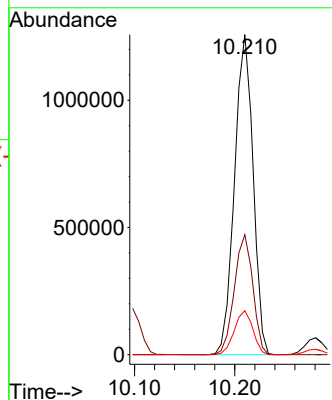
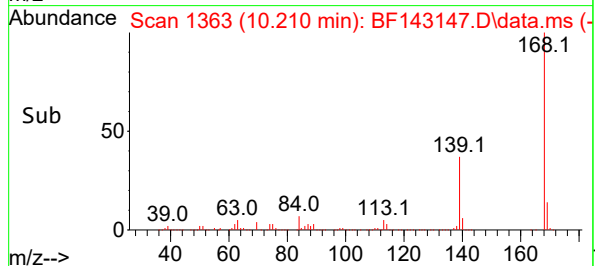
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:168 Resp: 1615399
Ion Ratio Lower Upper
168 100
139 37.5 29.5 44.3
169 13.8 10.9 16.3

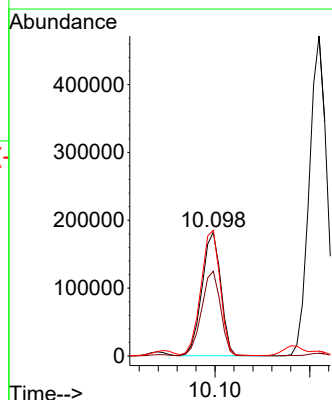
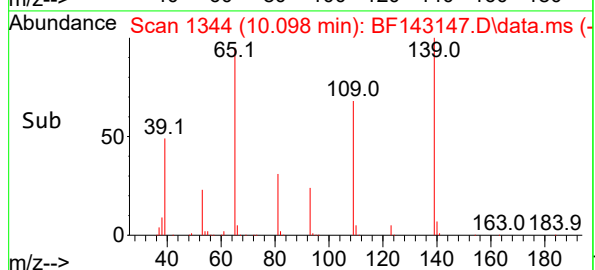
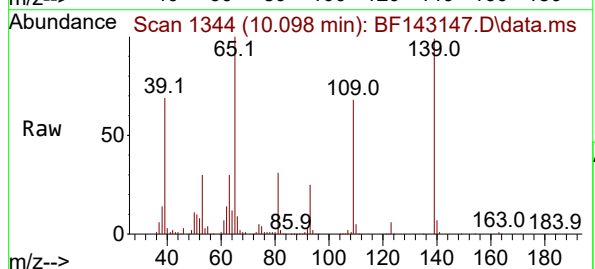
Manual Integrations
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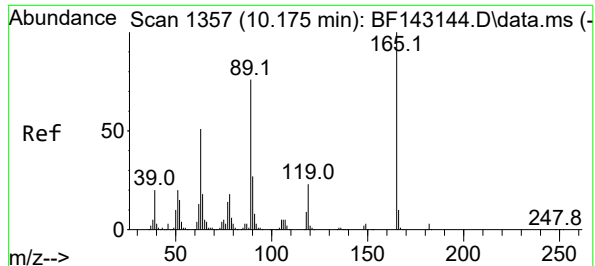
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#56
4-Nitrophenol
Concen: 79.161 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

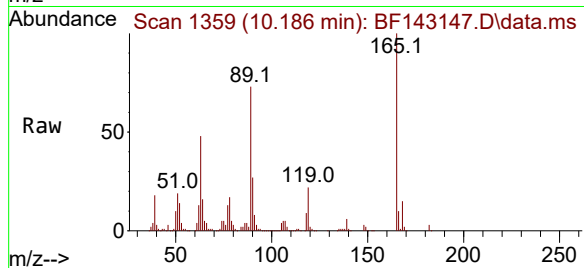
Tgt Ion:139 Resp: 252698
Ion Ratio Lower Upper
139 100
109 68.4 48.5 88.5
65 101.3 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 82.029 ng
RT: 10.186 min Scan# 1359
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

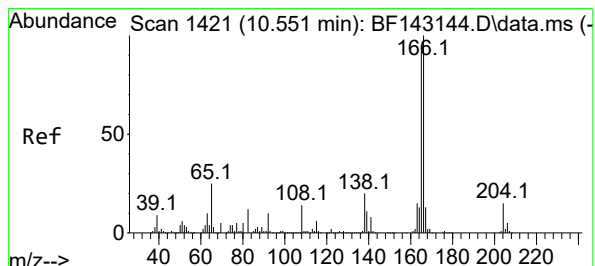
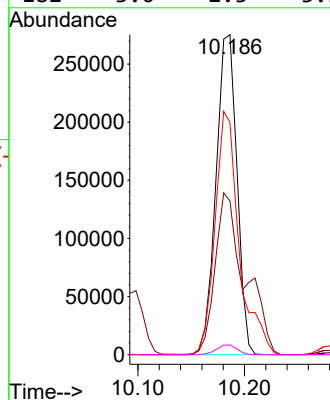
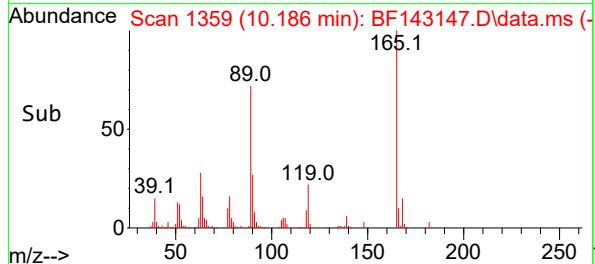
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



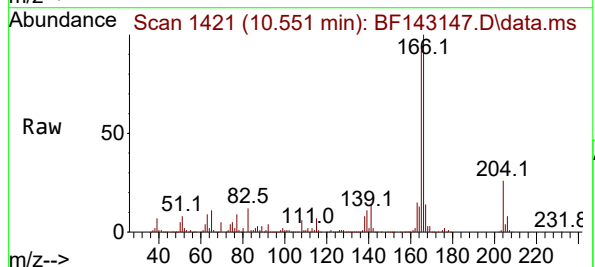
Tgt Ion:165 Resp: 376124
Ion Ratio Lower Upper
165 100
63 48.1 41.0 61.4
89 72.5 61.1 91.7
182 3.0 2.3 3.5

Manual Integrations
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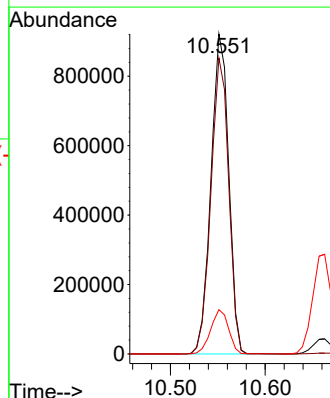
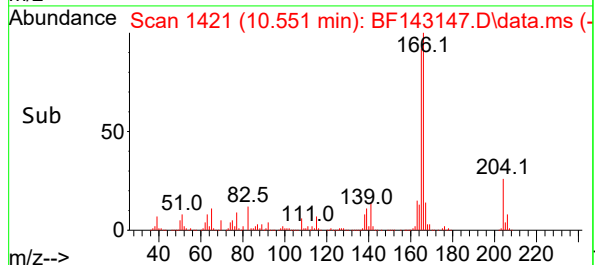
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

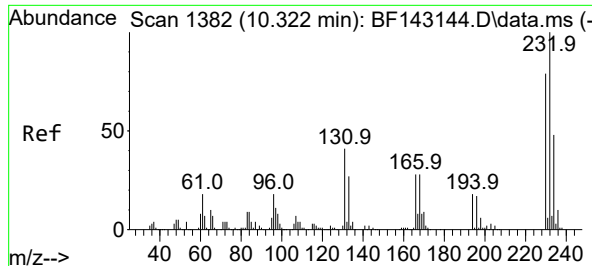


#58
Fluorene
Concen: 68.203 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



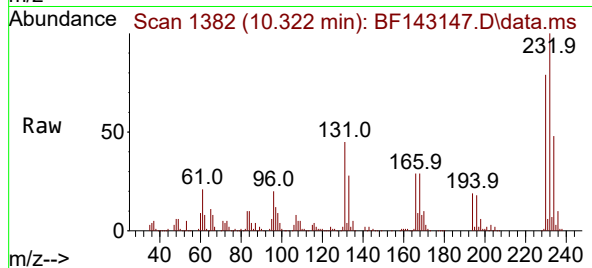
Tgt Ion:166 Resp: 1197731
Ion Ratio Lower Upper
166 100
165 92.5 73.7 110.5
167 13.8 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 74.533 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

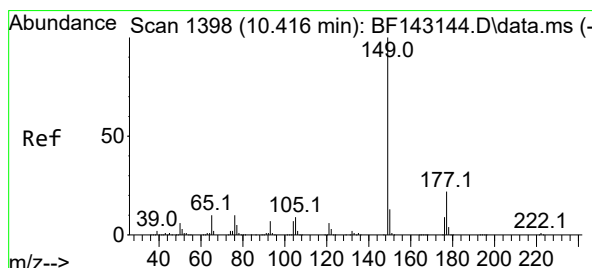
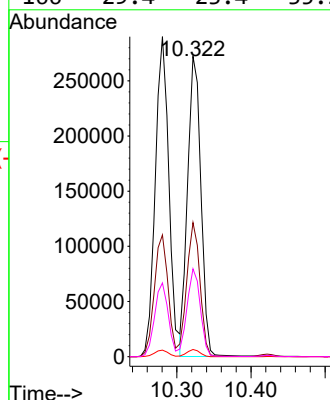
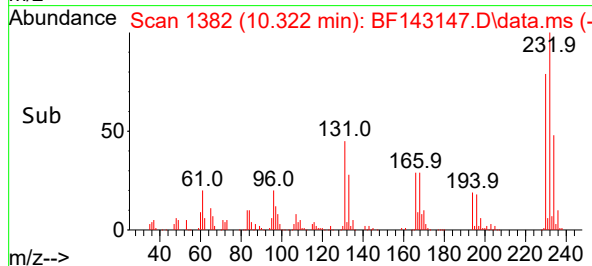
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



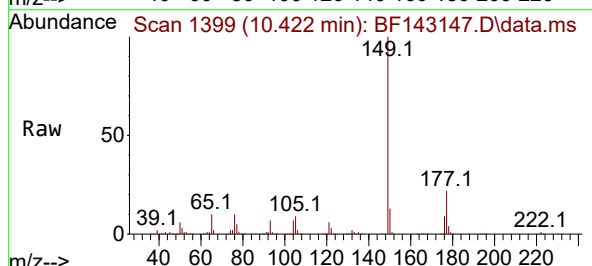
Tgt Ion:232 Resp: 340118
Ion Ratio Lower Upper
232 100
131 44.5 35.3 52.9
130 2.4 1.7 2.5
166 29.4 23.4 35.2

Manual Integrations
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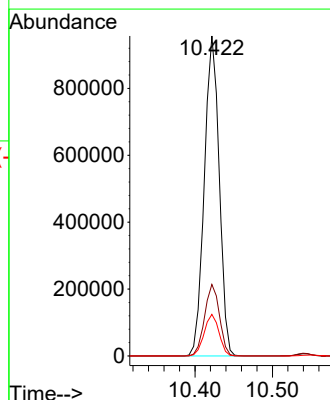
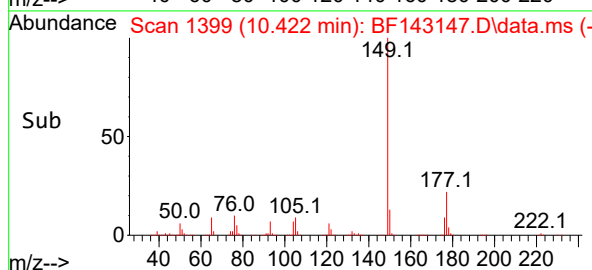
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

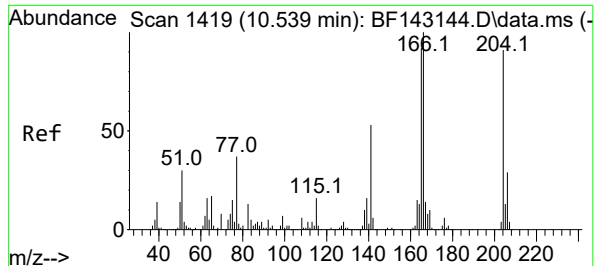


#60
Diethylphthalate
Concen: 71.870 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



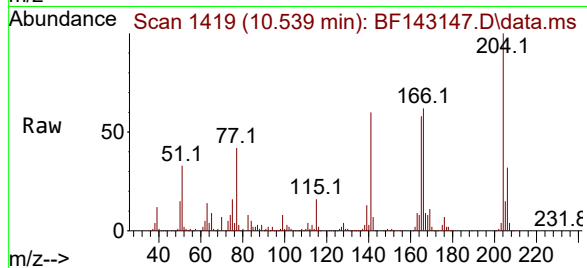
Tgt Ion:149 Resp: 1276217
Ion Ratio Lower Upper
149 100
177 22.4 17.5 26.3
150 13.0 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 70.326 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

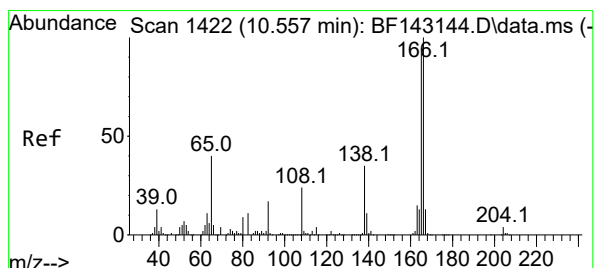
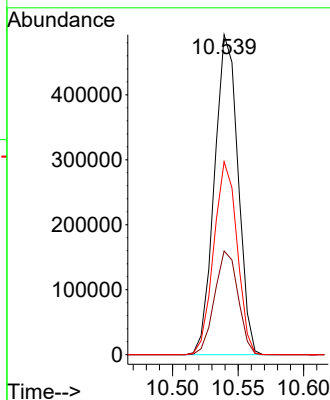
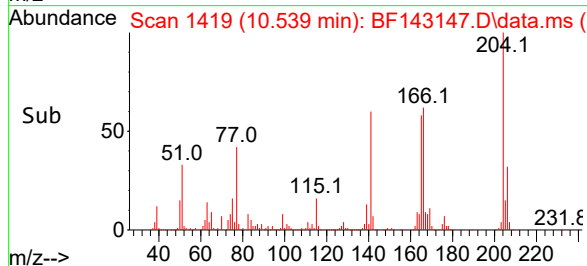
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



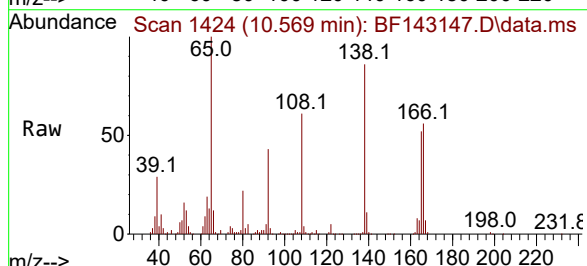
Tgt Ion:204 Resp: 614962
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 60.3 47.0 70.4

Manual Integrations
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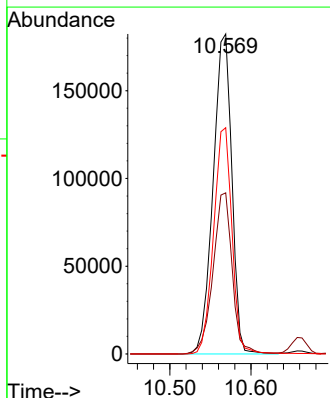
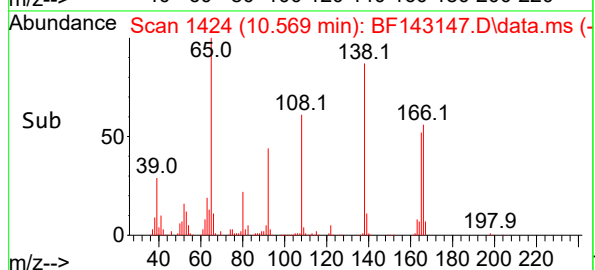
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

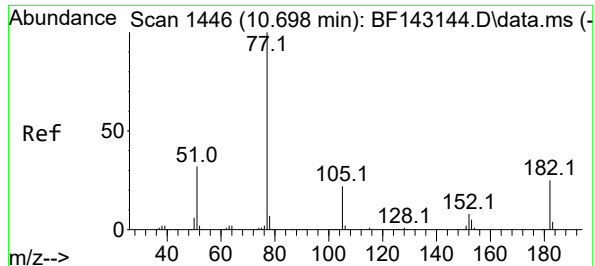


#62
4-Nitroaniline
Concen: 79.680 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



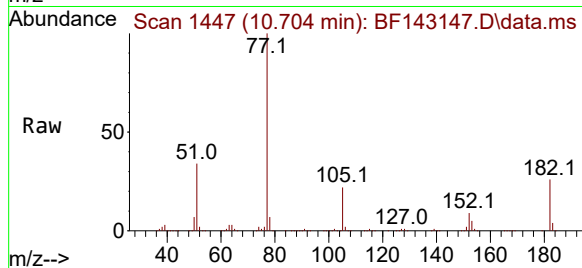
Tgt Ion:138 Resp: 291926
Ion Ratio Lower Upper
138 100
92 50.4 29.3 69.3
108 70.7 48.3 88.3





#63
Azobenzene
Concen: 71.255 ng
RT: 10.704 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

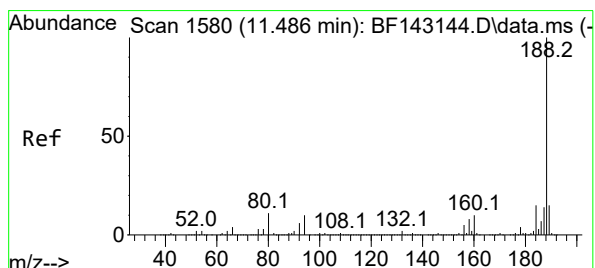
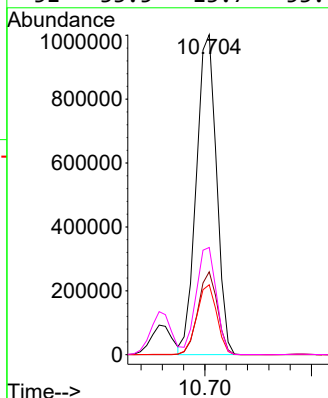
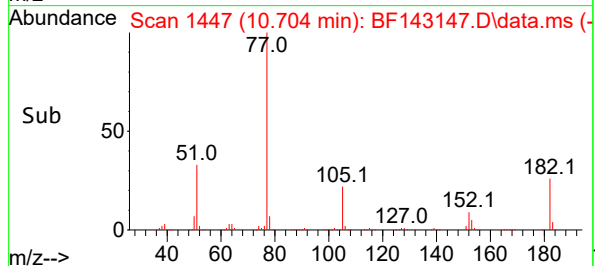
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



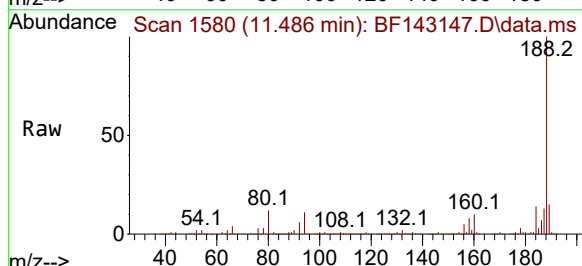
Tgt Ion: 77 Resp: 1318720
Ion Ratio Lower Upper
77 100
182 25.9 4.6 44.6
105 21.9 1.4 41.4
51 33.5 13.7 53.7

Manual Integrations
APPROVED

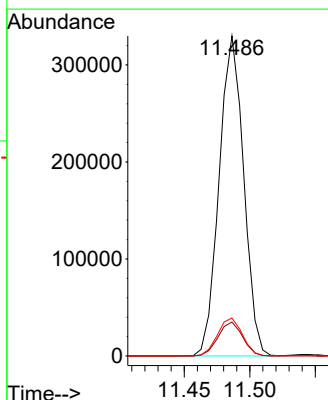
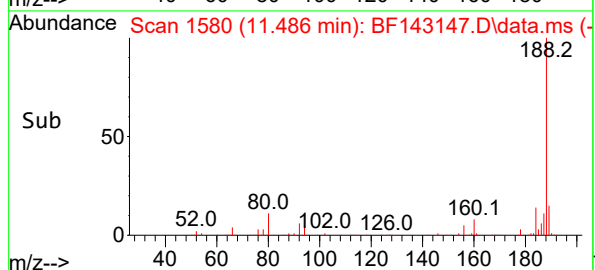
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

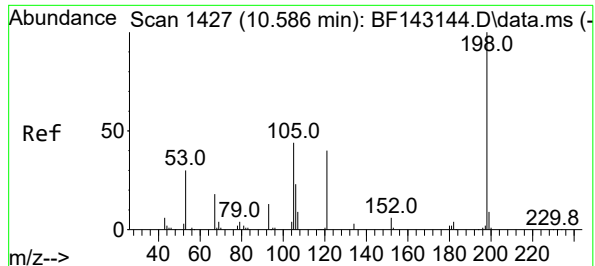


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



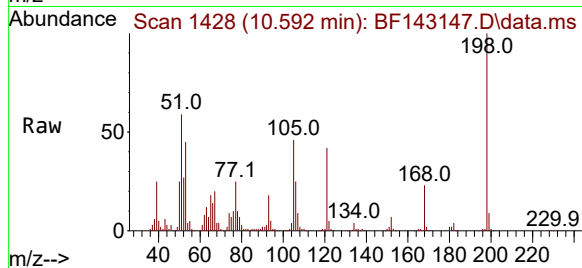
Tgt Ion:188 Resp: 429046
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.8 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 78.948 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

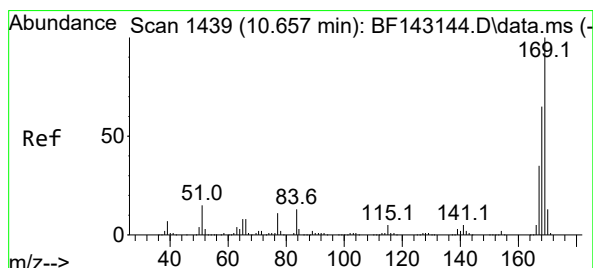
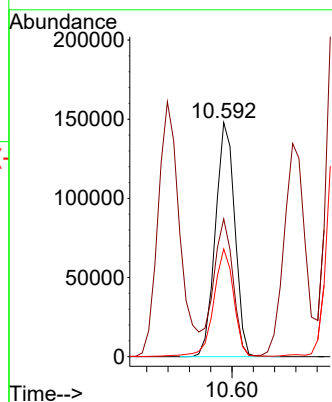
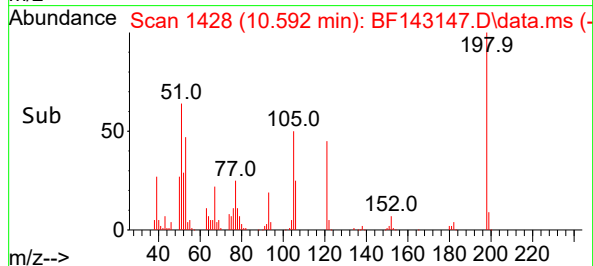
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



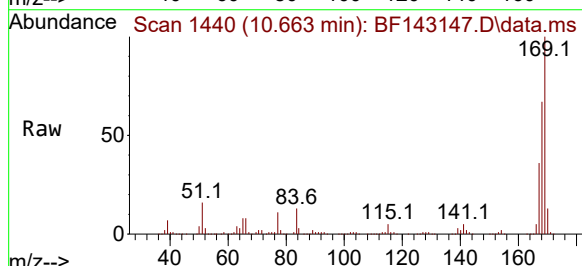
Tgt Ion:198 Resp: 186415
Ion Ratio Lower Upper
198 100
51 58.9 37.2 77.2
105 46.0 24.8 64.8

Manual Integrations
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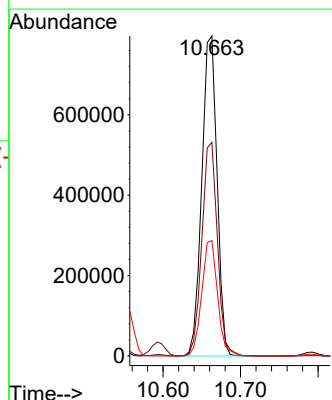
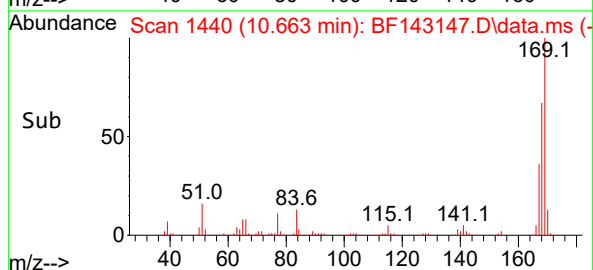
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

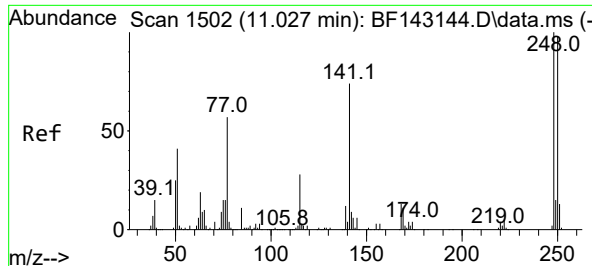


#66
n-Nitrosodiphenylamine
Concen: 72.014 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



Tgt Ion:169 Resp: 1087990
Ion Ratio Lower Upper
169 100
168 66.8 52.1 78.1
167 36.1 28.2 42.2





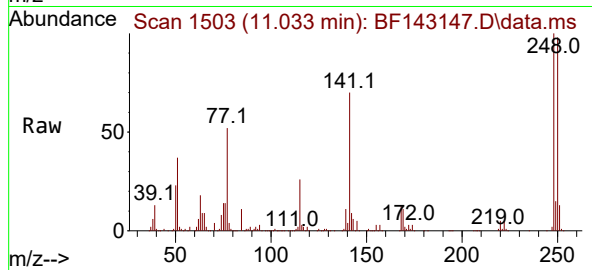
#67
4-Bromophenyl-phenylether
Concen: 74.734 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

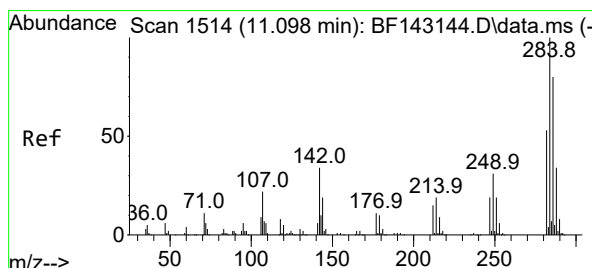
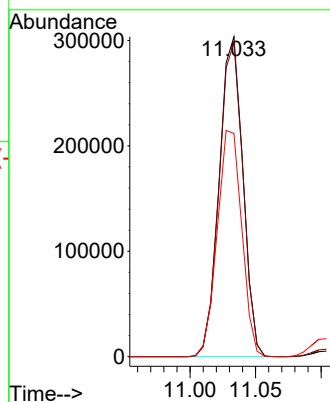
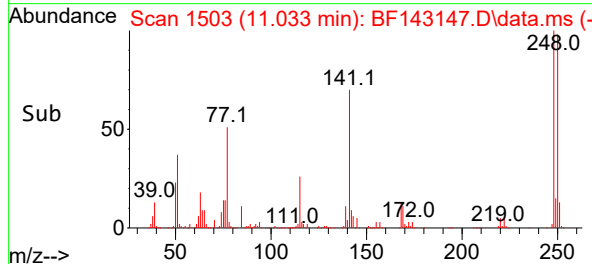


Tgt Ion:248 Resp: 38212
Ion Ratio Lower Upper
248 100
250 98.3 78.3 117.5
141 69.8 59.2 88.8

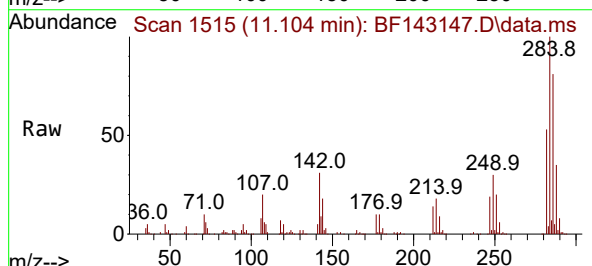
Manual Integrations

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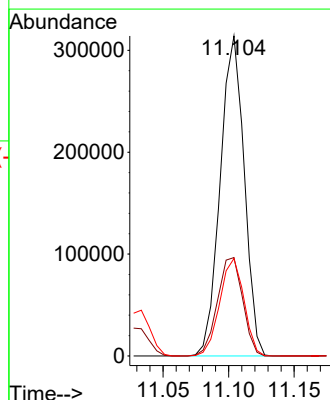
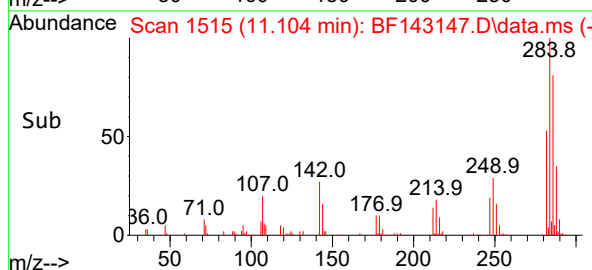
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

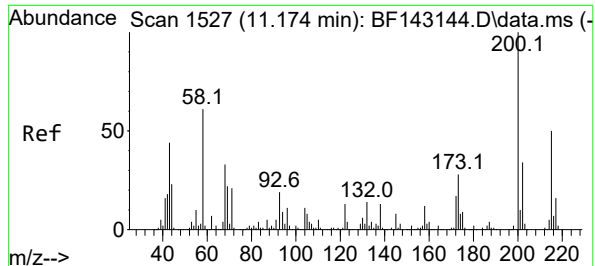


#68
Hexachlorobenzene
Concen: 74.680 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



Tgt Ion:284 Resp: 399107
Ion Ratio Lower Upper
284 100
142 30.7 27.0 40.6
249 30.5 25.0 37.6





#69

Atrazine

Concen: 77.819 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:200 Resp: 324120

Ion Ratio Lower Upper

200 100

173 28.3 7.9 47.9

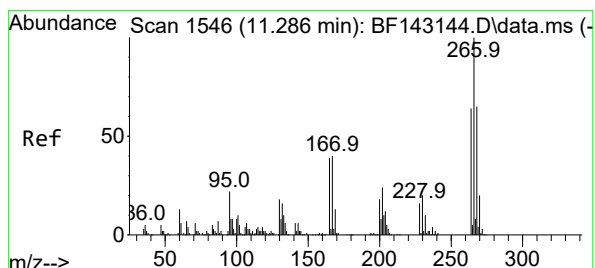
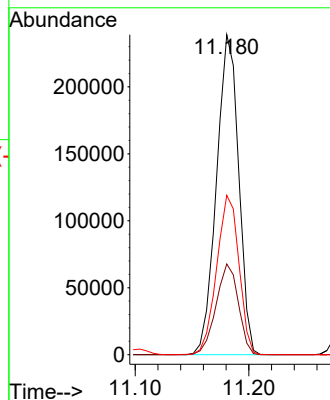
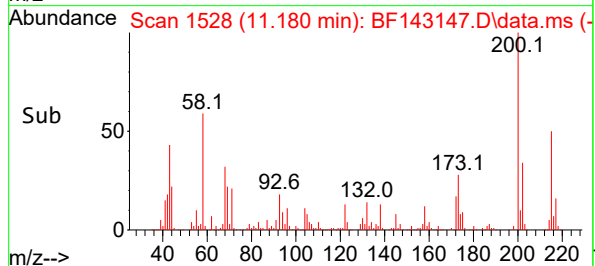
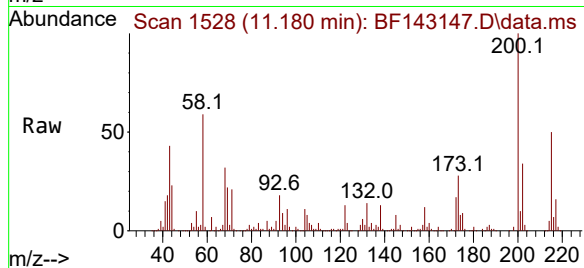
215 49.8 30.1 70.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 81.829 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

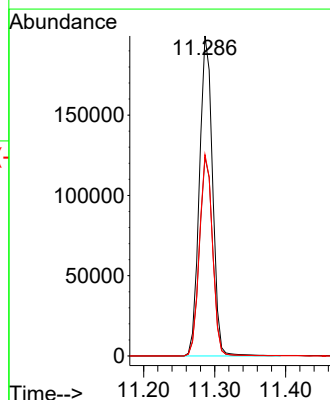
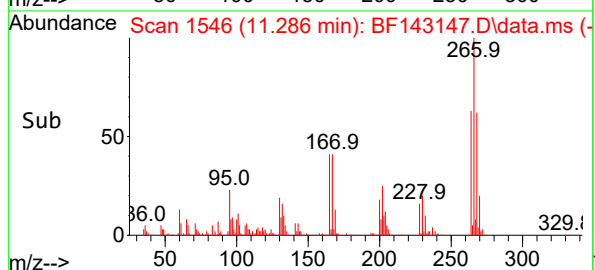
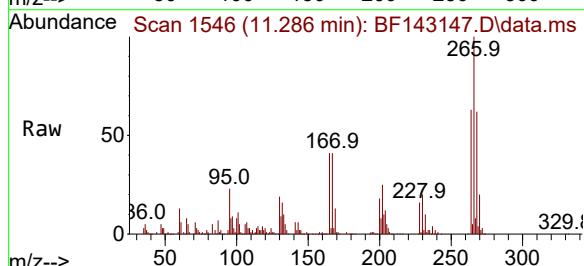
Tgt Ion:266 Resp: 257176

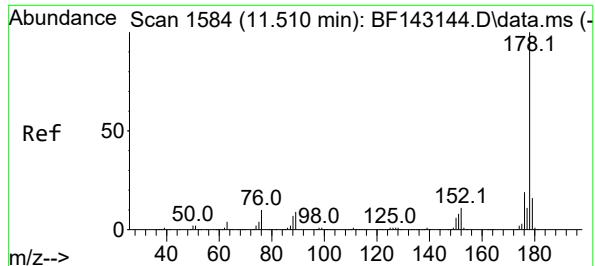
Ion Ratio Lower Upper

266 100

268 62.2 51.9 77.9

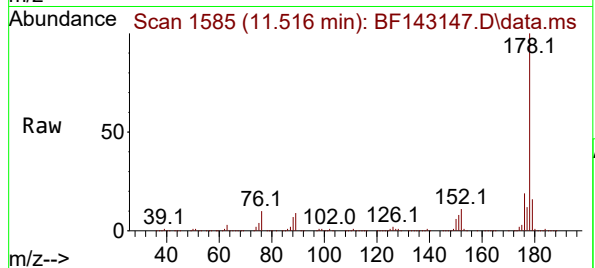
264 62.9 51.0 76.6





#71
Phenanthrene
Concen: 70.331 ng
RT: 11.516 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

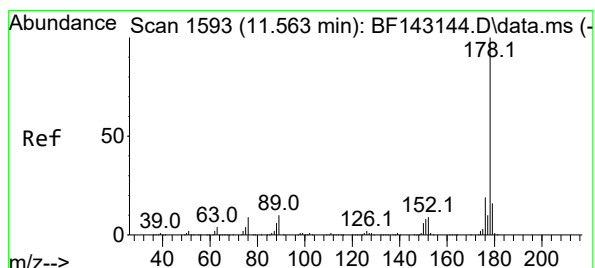
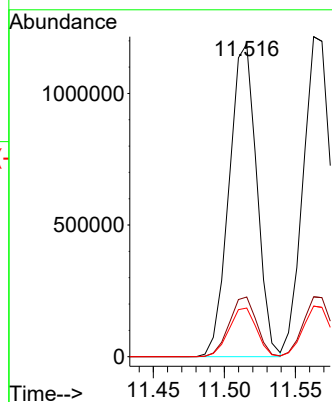
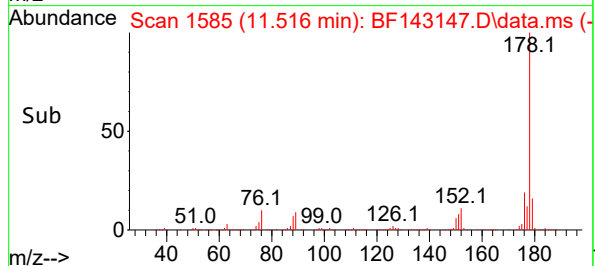
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 1602208
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.5 18.7

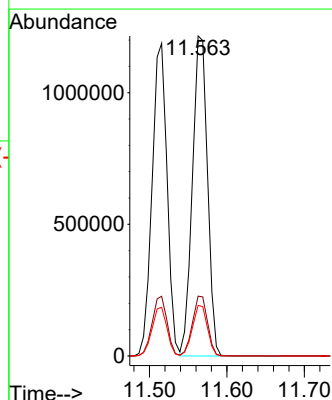
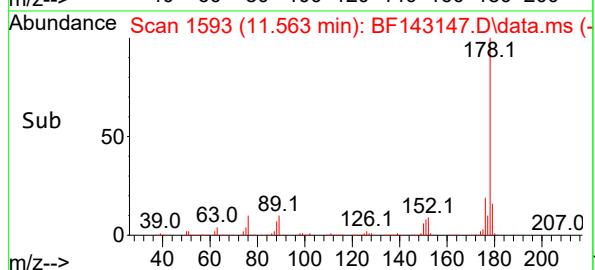
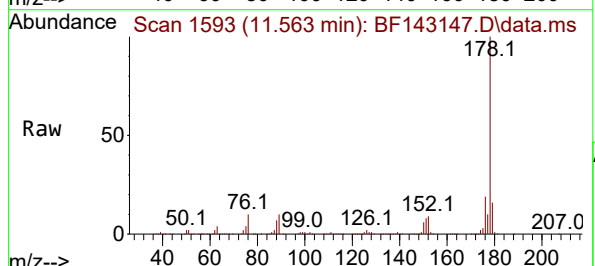
Manual Integrations
APPROVED

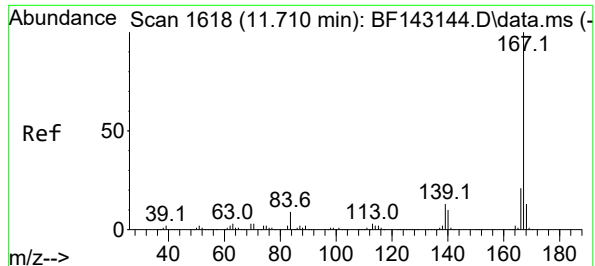
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#72
Anthracene
Concen: 70.640 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

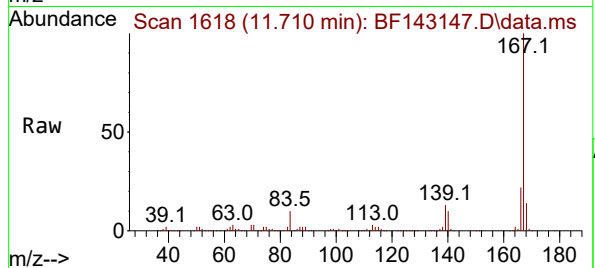
Tgt Ion:178 Resp: 1641264
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.8 12.5 18.7





#73
Carbazole
Concen: 70.754 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

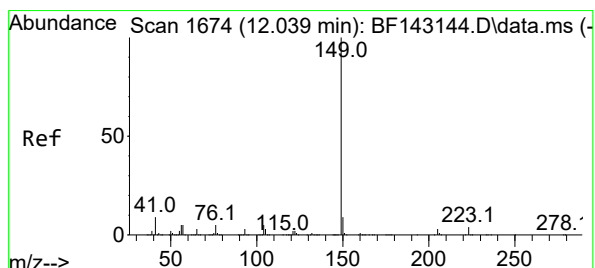
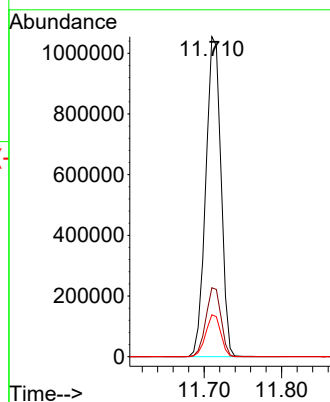
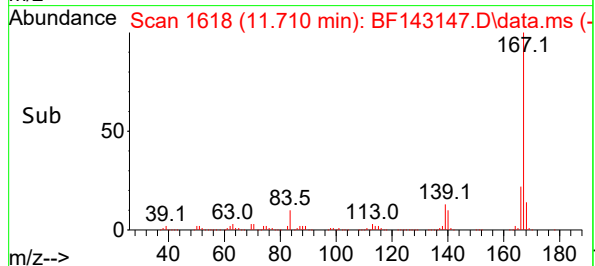
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



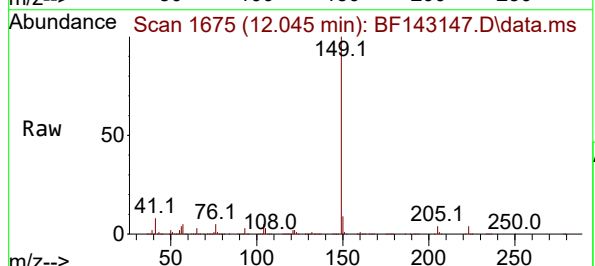
Tgt Ion:167 Resp: 143544
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.6
139 13.1 10.0 15.0

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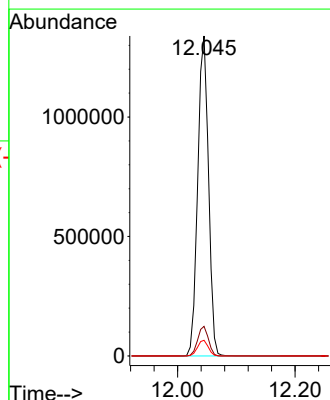
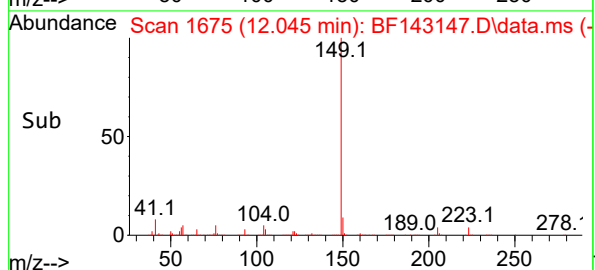
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

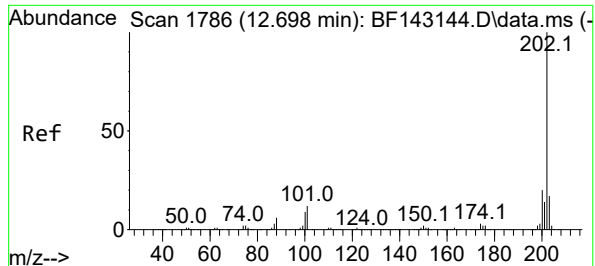


#74
Di-n-butylphthalate
Concen: 74.034 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



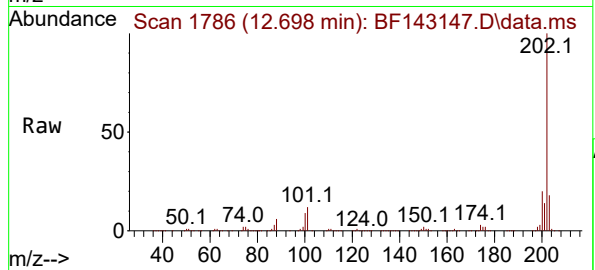
Tgt Ion:149 Resp: 1699503
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.8 5.8





#75
Fluoranthene
Concen: 71.645 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

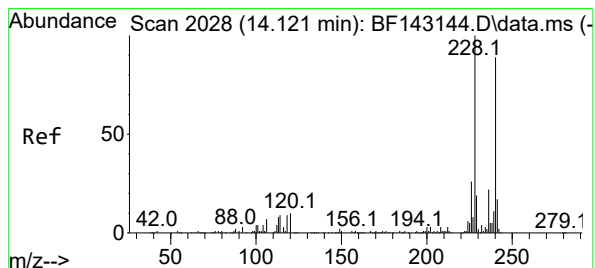
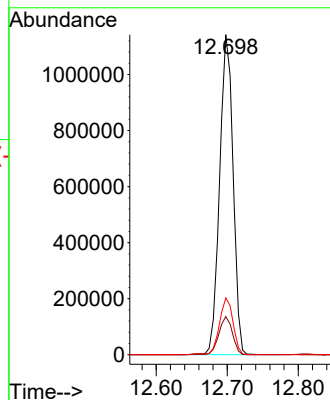
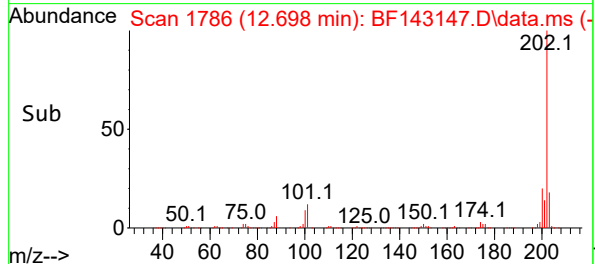
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 149810
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.7
203 17.8 0.0 37.4

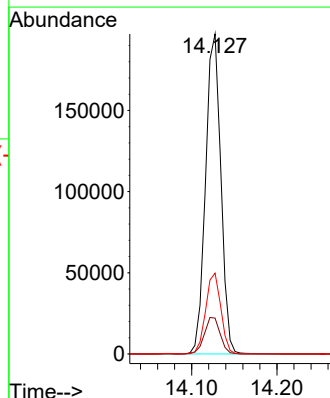
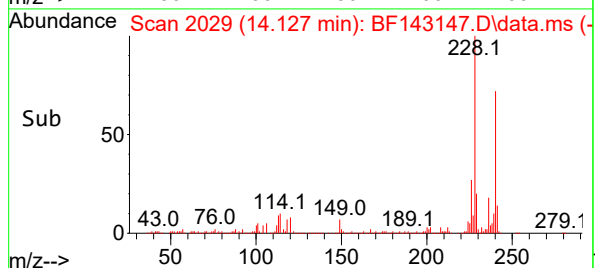
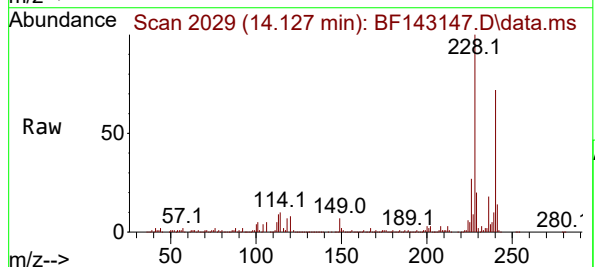
Manual Integrations
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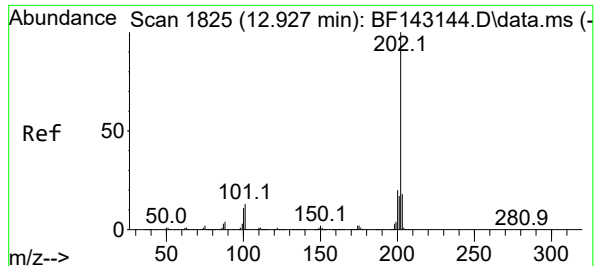
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

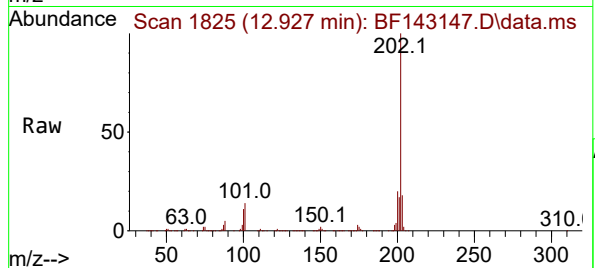
Tgt Ion:240 Resp: 245351
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 25.2 20.2 30.4





#78
Pyrene
Concen: 70.021 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

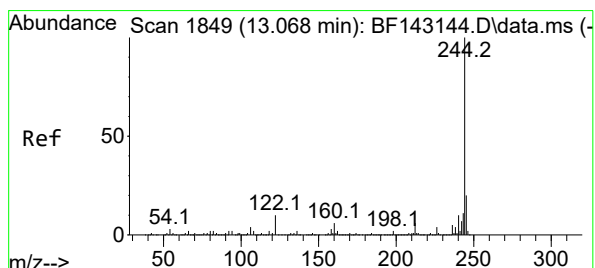
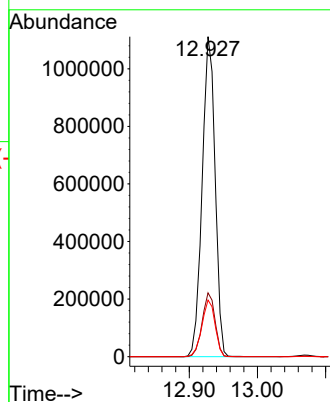
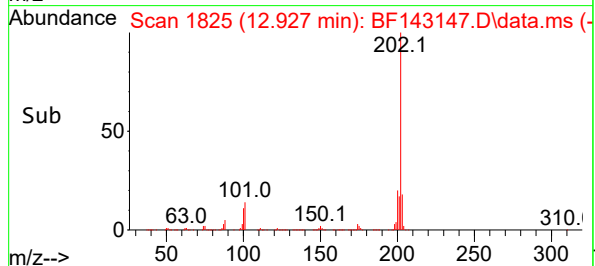
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 1466205
Ion Ratio Lower Upper
202 100
200 20.0 15.7 23.5
203 17.7 14.2 21.2

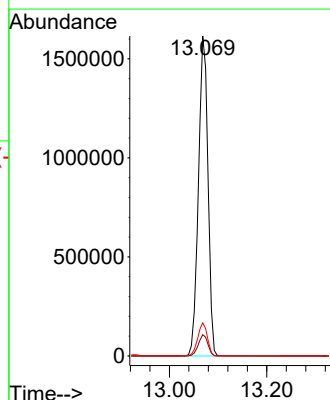
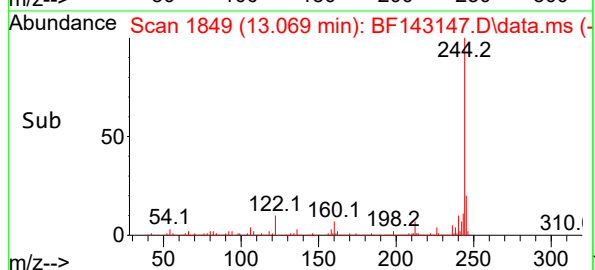
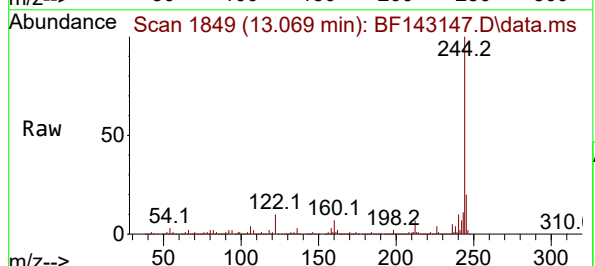
Manual Integrations
APPROVED

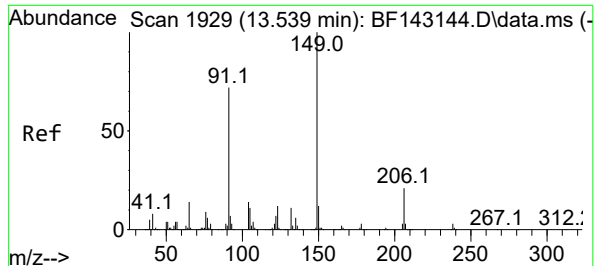
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#79
Terphenyl-d14
Concen: 133.606 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

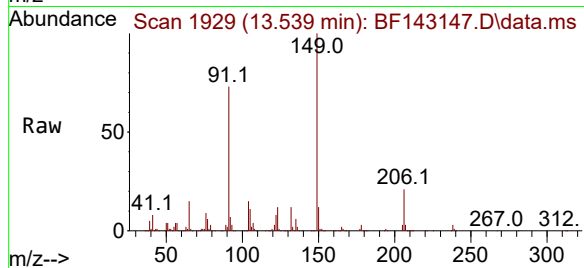
Tgt Ion:244 Resp: 2202828
Ion Ratio Lower Upper
244 100
212 6.6 5.2 7.8
122 10.4 8.2 12.2





#80
Butylbenzylphthalate
Concen: 81.353 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

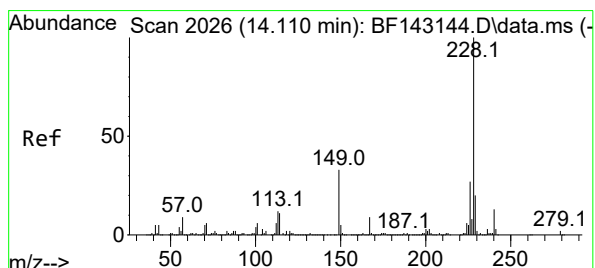
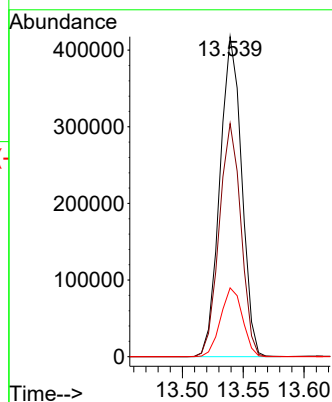
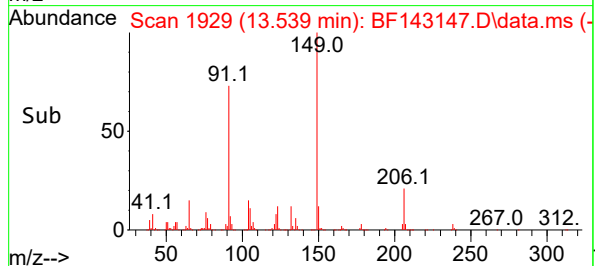
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



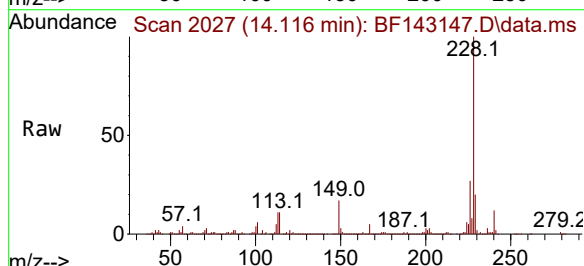
Tgt Ion:149 Resp: 521633
Ion Ratio Lower Upper
149 100
91 72.9 57.9 86.9
206 21.5 17.0 25.4

Manual Integrations
APPROVED

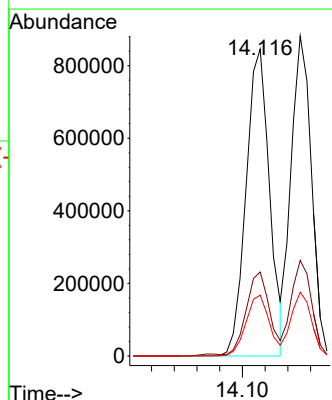
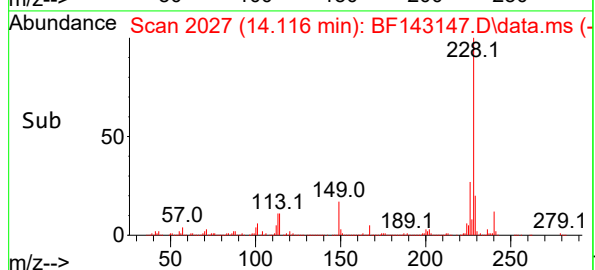
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

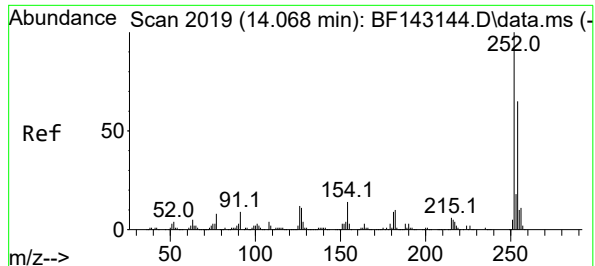


#81
Benzo(a)anthracene
Concen: 73.788 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



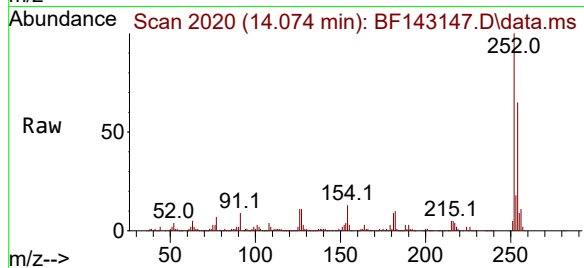
Tgt Ion:228 Resp: 1212056
Ion Ratio Lower Upper
228 100
226 27.4 21.7 32.5
229 19.8 15.8 23.6





#82
3,3'-Dichlorobenzidine
Concen: 71.867 ng
RT: 14.074 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

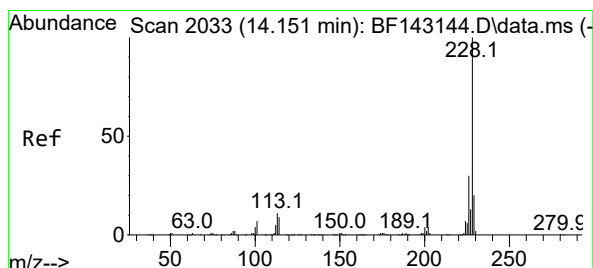
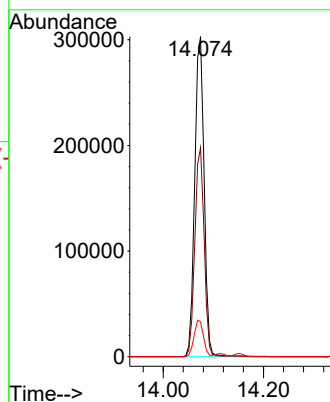
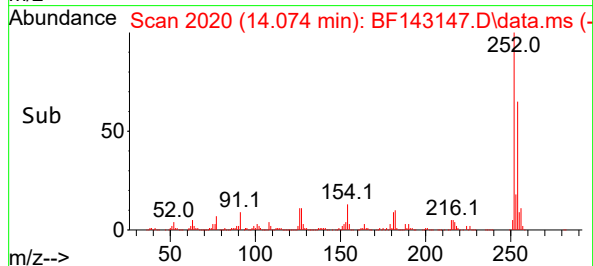
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:252 Resp: 393448
Ion Ratio Lower Upper
252 100
254 65.3 51.7 77.5
126 10.9 9.4 14.0

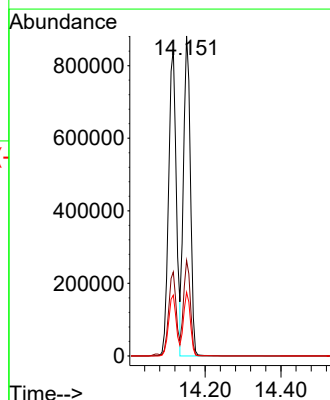
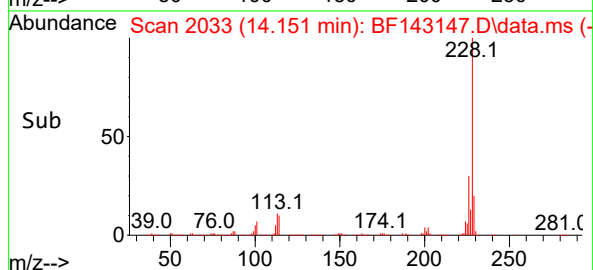
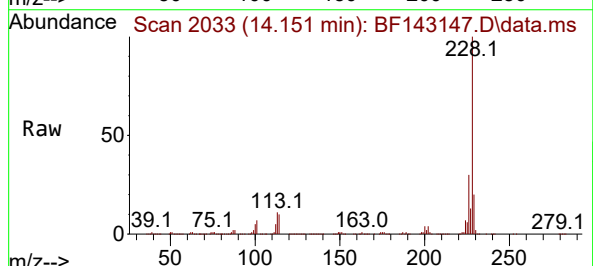
Manual Integrations
APPROVED

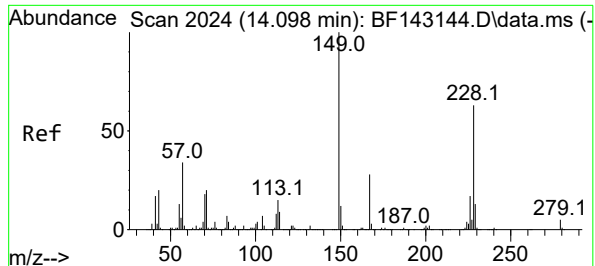
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#83
Chrysene
Concen: 74.863 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

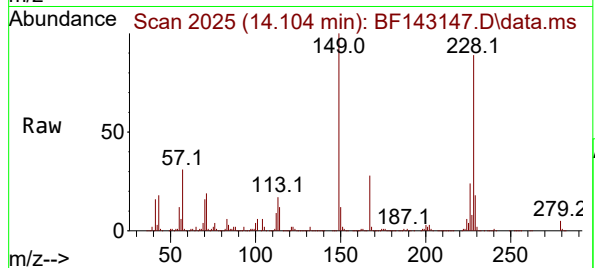
Tgt Ion:228 Resp: 1105636
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 19.9 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 79.790 ng
RT: 14.104 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

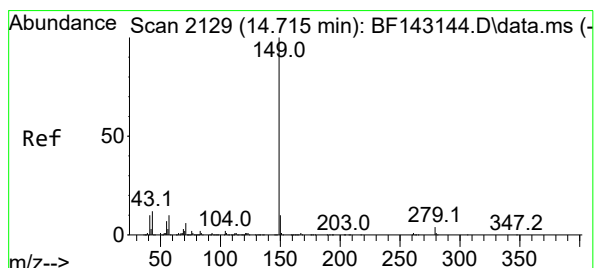
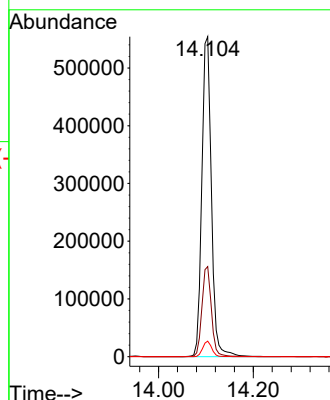
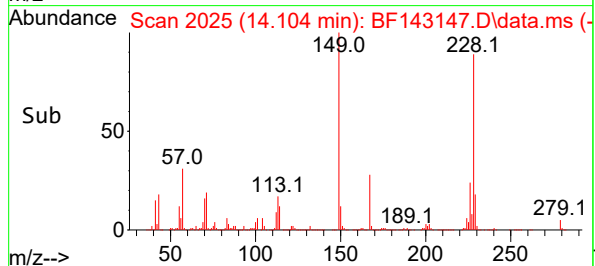
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 774360
Ion Ratio Lower Upper
149 100
167 28.1 22.3 33.5
279 4.9 3.6 5.4

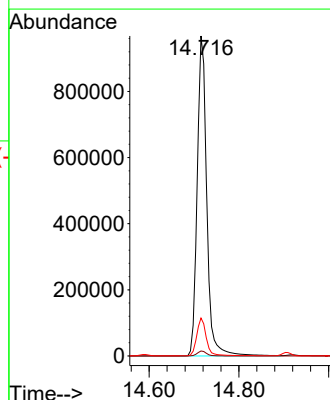
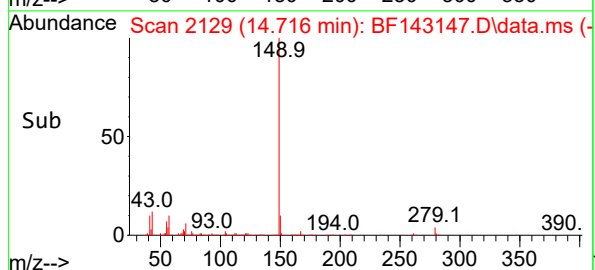
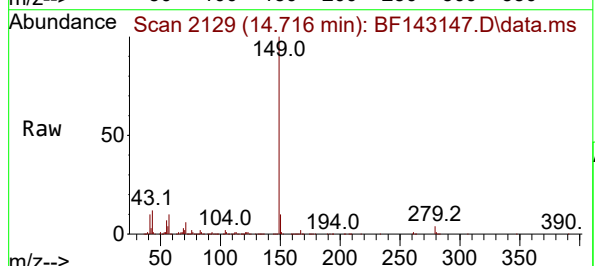
Manual Integrations
APPROVED

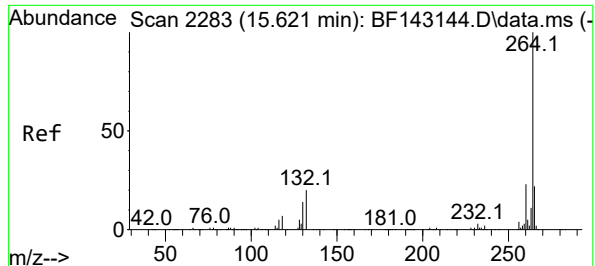
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#85
Di-n-octyl phthalate
Concen: 81.519 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

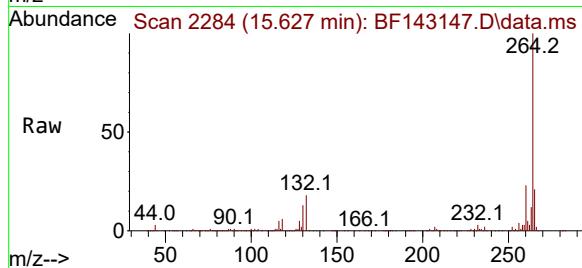
Tgt Ion:149 Resp: 1434055
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.9 9.7 14.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

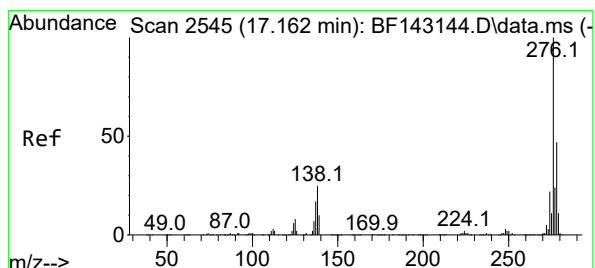
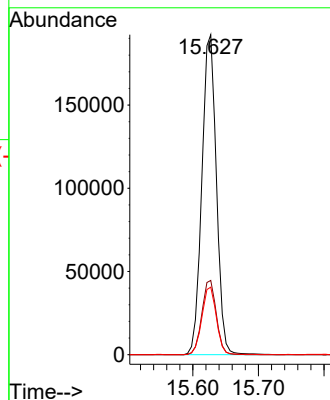
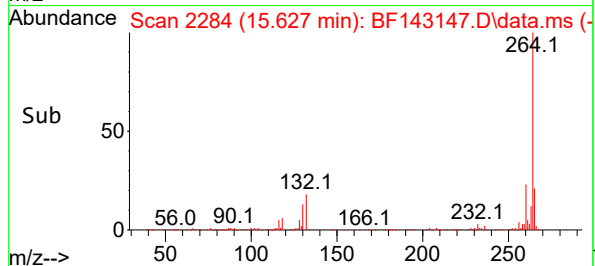
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:264 Resp: 29668
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 21.1 17.4 26.2

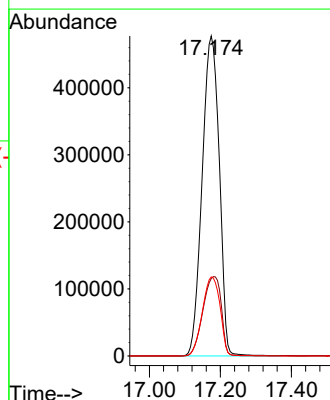
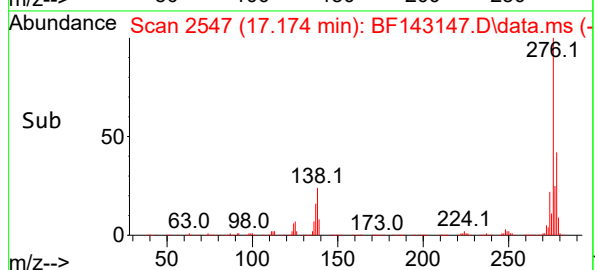
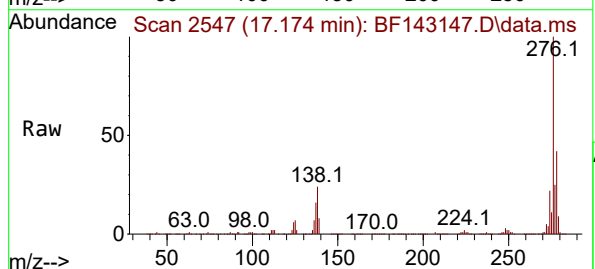
Manual Integrations
APPROVED

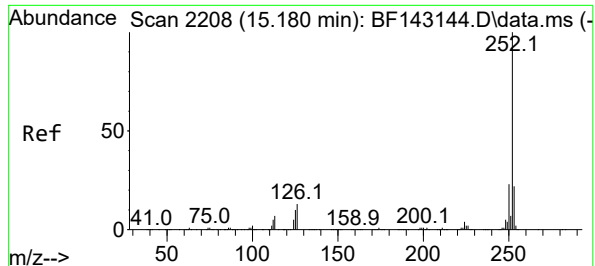
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 76.718 ng
RT: 17.174 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:276 Resp: 1604969
Ion Ratio Lower Upper
276 100
138 26.5 21.8 32.6
277 25.5 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 79.367 ng

RT: 15.186 min Scan# 2114

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1438518

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

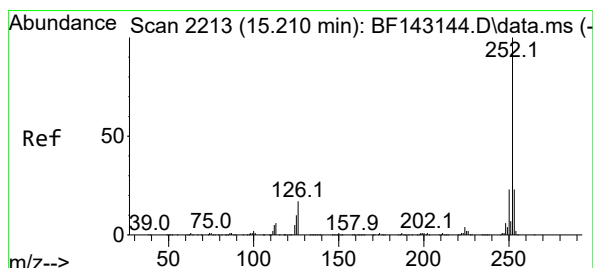
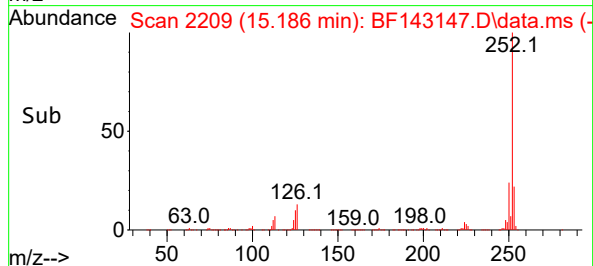
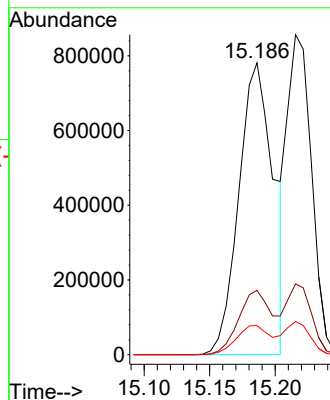
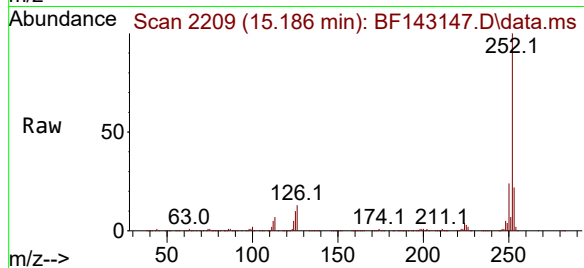
125 10.0 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#89

Benzo(k)fluoranthene

Concen: 68.737 ng

RT: 15.216 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

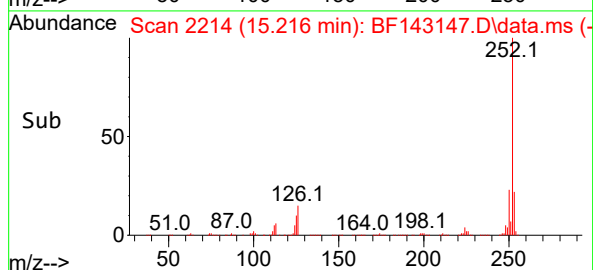
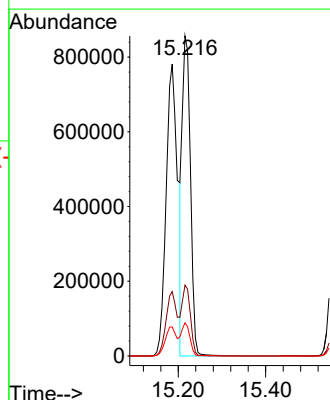
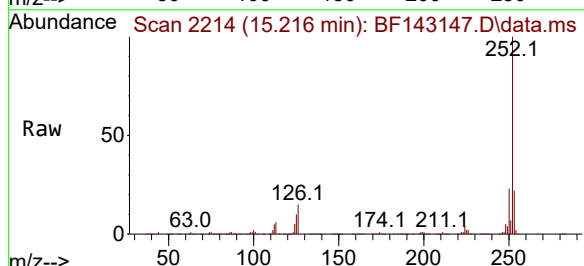
Tgt Ion:252 Resp: 1111726

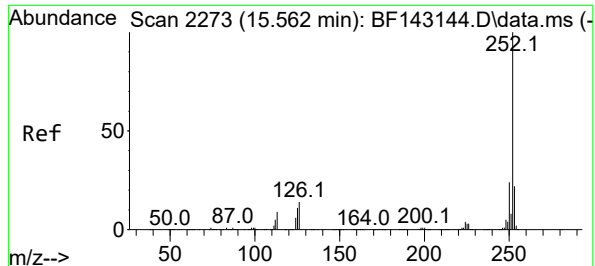
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

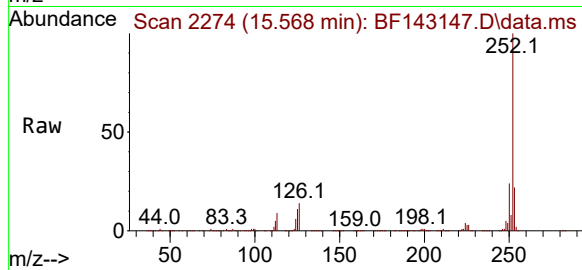
125 10.4 8.1 12.1





#90
Benzo(a)pyrene
Concen: 76.006 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

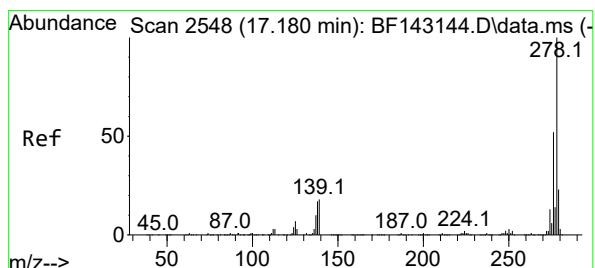
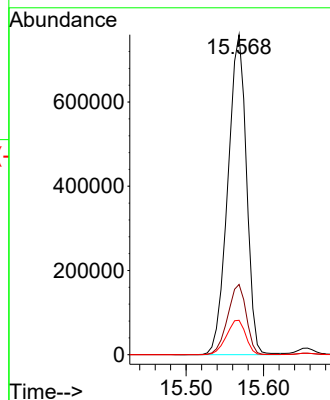
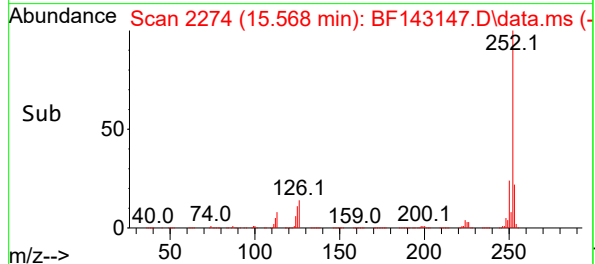
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



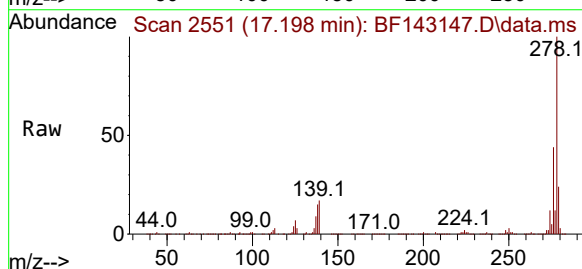
Tgt Ion:252 Resp: 126925
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 10.8 8.6 13.0

Manual Integrations
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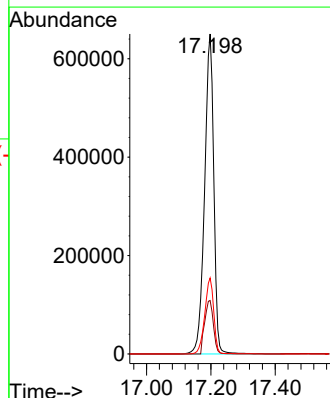
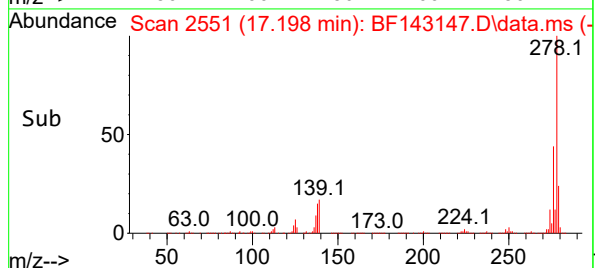
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

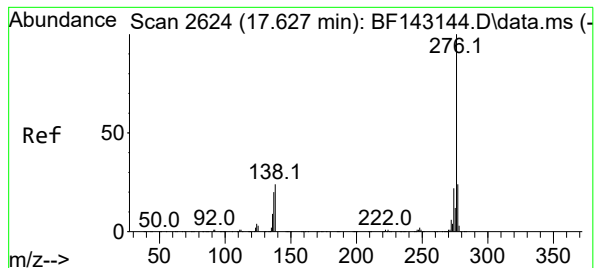


#91
Dibenzo(a,h)anthracene
Concen: 75.746 ng
RT: 17.198 min Scan# 2551
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



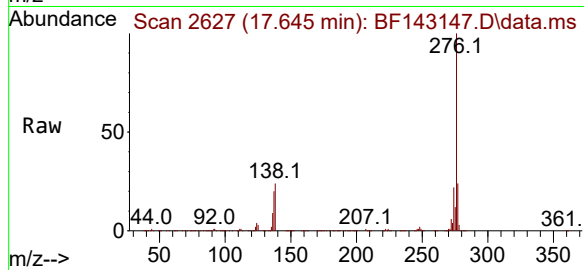
Tgt Ion:278 Resp: 1289789
Ion Ratio Lower Upper
278 100
139 16.7 14.1 21.1
279 23.8 18.6 28.0





#92
Benzo(g,h,i)perylene
Concen: 76.846 ng
RT: 17.645 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

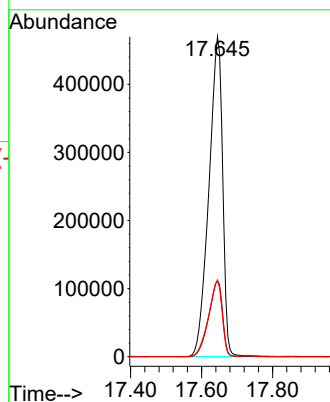
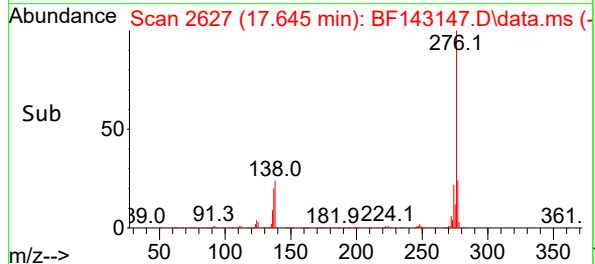
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 276 Resp: 1265778
Ion Ratio Lower Upper
276 100
277 24.0 19.1 28.7
138 23.7 18.9 28.3

Manual Integrations
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Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 16:24:49 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jul 17 15:14:05 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	143868	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	559677	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	287255	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	457098	20.000	ng	0.00
76) Chrysene-d12	14.121	240	265008	20.000	ng	0.00
86) Perylene-d12	15.621	264	310192	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	701339	77.143	ng	0.00
7) Phenol-d6	6.581	99	894087	78.133	ng	0.00
23) Nitrobenzene-d5	7.522	82	811178	72.247	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	237309	79.969	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1449098	68.992	ng	0.00
79) Terphenyl-d14	13.068	244	1234701	69.333	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.793	88	165605	38.496	ng	98
3) Pyridine	3.569	79	453367	40.604	ng	99
4) n-Nitrosodimethylamine	3.510	42	235215	40.802	ng	97
6) Aniline	6.622	93	655116	41.078	ng	99
8) 2-Chlorophenol	6.745	128	395767	41.530	ng	99
9) Benzaldehyde	6.510	77	321269	37.441	ng	98
10) Phenol	6.598	94	508952m	40.827	ng	
11) bis(2-Chloroethyl)ether	6.692	93	387791	40.628	ng	100
12) 1,3-Dichlorobenzene	6.904	146	418232	40.400	ng	99
13) 1,4-Dichlorobenzene	6.981	146	424629	40.731	ng	99
14) 1,2-Dichlorobenzene	7.134	146	411560	41.506	ng	99
15) Benzyl Alcohol	7.098	79	366608	41.958	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	732274	41.357	ng	100
17) 2-Methylphenol	7.204	107	331709	41.398	ng	99
18) Hexachloroethane	7.481	117	151232	41.903	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	296171	40.342	ng	100
20) 3+4-Methylphenols	7.357	107	412065	42.387	ng	98
22) Acetophenone	7.369	105	533464	40.260	ng	99
24) Nitrobenzene	7.539	77	436834	41.731	ng	98
25) Isophorone	7.781	82	804071	40.567	ng	99
26) 2-Nitrophenol	7.857	139	203967	44.896	ng	100
27) 2,4-Dimethylphenol	7.886	122	377575	40.773	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	474637	39.939	ng	99
29) 2,4-Dichlorophenol	8.092	162	319216	40.875	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	342135	40.551	ng	99
31) Naphthalene	8.269	128	1106482	40.143	ng	100
32) Benzoic acid	7.986	122	202337	39.782	ng	98
33) 4-Chloroaniline	8.310	127	457742	40.671	ng	99
34) Hexachlorobutadiene	8.386	225	212781	41.284	ng	100
35) Caprolactam	8.675	113	96661	40.959	ng	98
36) 4-Chloro-3-methylphenol	8.780	107	344726	40.611	ng	99
37) 2-Methylnaphthalene	8.957	142	675594	40.279	ng	100
38) 1-Methylnaphthalene	9.057	142	703170	40.712	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	339567	40.944	ng	98
41) Hexachlorocyclopentadiene	9.116	237	231349	42.872	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	231043	40.253	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	246820	42.989	ng	97
46) 1,1'-Biphenyl	9.422	154	920059	41.053	ng	100
47) 2-Chloronaphthalene	9.445	162	666359	40.184	ng	100
48) 2-Nitroaniline	9.533	65	227376	43.723	ng	100
49) Acenaphthylene	9.863	152	1111992	40.013	ng	100
50) Dimethylphthalate	9.716	163	753041	40.218	ng	100
51) 2,6-Dinitrotoluene	9.775	165	166911	43.820	ng	98
52) Acenaphthene	10.033	154	659908	40.176	ng	99
53) 3-Nitroaniline	9.939	138	191512	42.985	ng	98
54) 2,4-Dinitrophenol	10.045	184	64659	40.998	ng	98
55) Dibenzofuran	10.204	168	974991	39.981	ng	100
56) 4-Nitrophenol	10.086	139	140876	42.344	ng	99
57) 2,4-Dinitrotoluene	10.175	165	212369	44.440	ng	97
58) Fluorene	10.551	166	717816	39.219	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	198530	41.743	ng	99
60) Diethylphthalate	10.416	149	753774	40.729	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	367981	40.377	ng	99
62) 4-Nitroaniline	10.551	138	160193	41.953	ng	98
63) Azobenzene	10.698	77	779524	40.414	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	98462	41.869	ng	97
66) n-Nitrosodiphenylamine	10.657	169	647855	40.250	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	222405	40.828	ng	100
68) Hexachlorobenzene	11.098	284	229272	40.268	ng	100
69) Atrazine	11.174	200	189104	42.615	ng	99
70) Pentachlorophenol	11.286	266	141608	42.292	ng	99
71) Phenanthrene	11.510	178	971448	40.026	ng	100
72) Anthracene	11.563	178	1003925	40.557	ng	99
73) Carbazole	11.710	167	874867	40.476	ng	100
74) Di-n-butylphthalate	12.039	149	1035244	42.330	ng	100
75) Fluoranthene	12.698	202	909717	40.836	ng	100
77) Benzidine	12.810	184	441470	43.239	ng	100
78) Pyrene	12.927	202	902771	39.916	ng	99
80) Butylbenzylphthalate	13.539	149	303528	43.827	ng	98
81) Benzo(a)anthracene	14.110	228	708799	39.950	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	258837	43.772	ng	100
83) Chrysene	14.145	228	673701	42.233	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	456811	43.578	ng	100
85) Di-n-octyl phthalate	14.715	149	818512	43.077	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	896404	40.983	ng	100
88) Benzo(b)fluoranthene	15.180	252	820119	43.278	ng	100
89) Benzo(k)fluoranthene	15.209	252	634642	37.531	ng	99
90) Benzo(a)pyrene	15.562	252	708756	40.594	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	724758	40.710	ng	99
92) Benzo(g,h,i)perylene	17.627	276	712864	41.394	ng	100

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

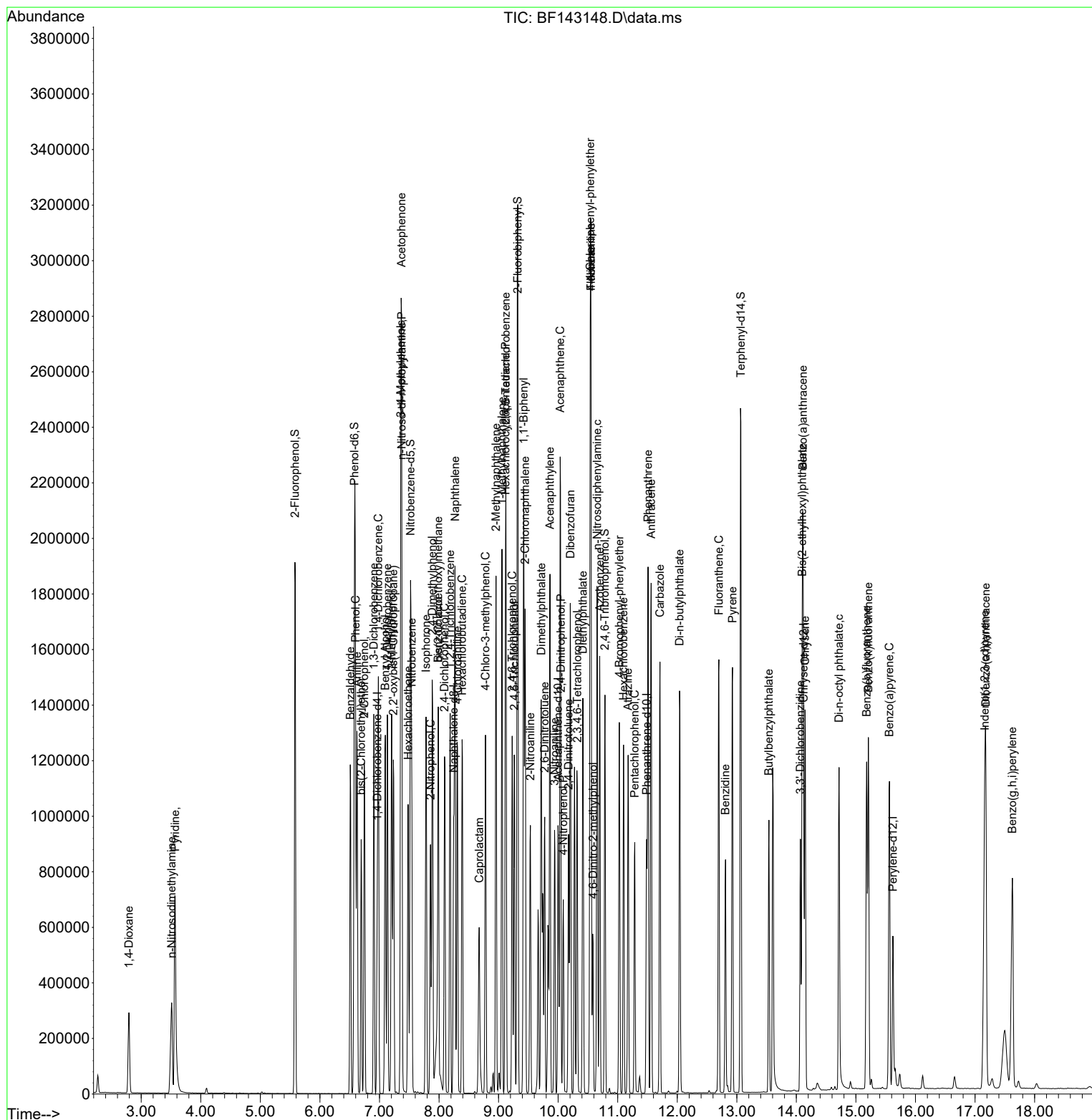
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 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

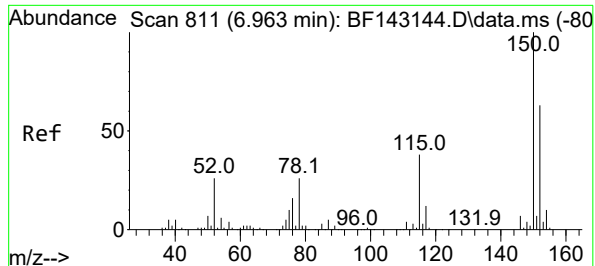
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

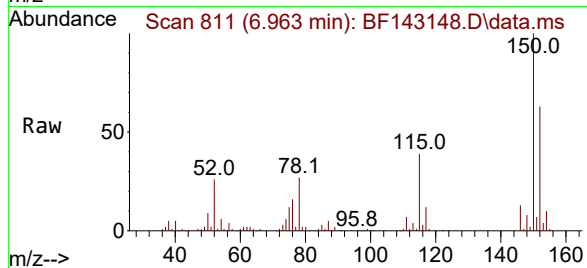
Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

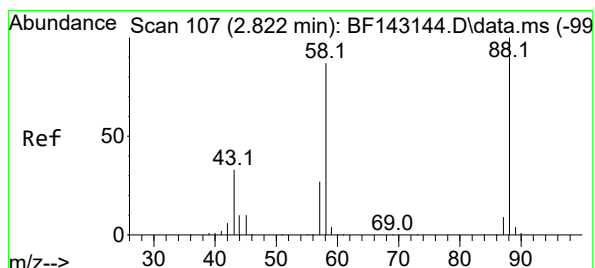
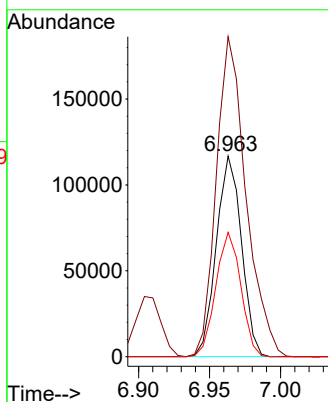
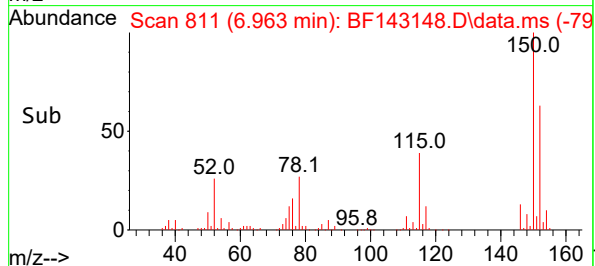
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:152 Resp: 143868
Ion Ratio Lower Upper
152 100
150 159.5 128.2 192.4
115 62.0 47.9 71.9

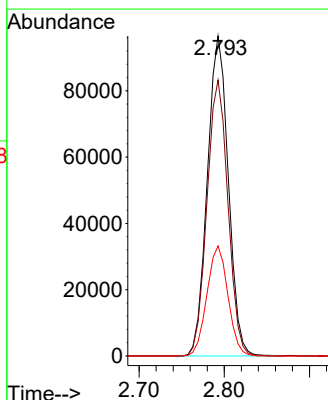
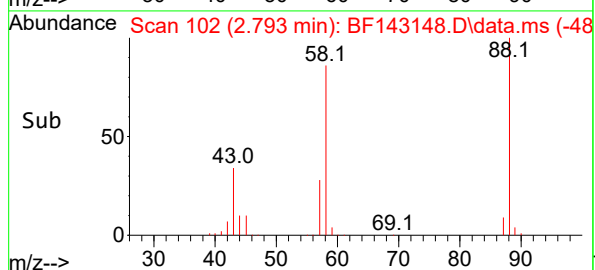
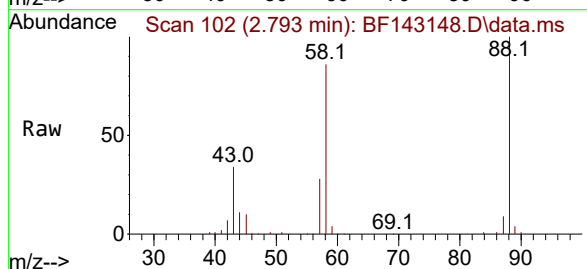
Manual Integrations
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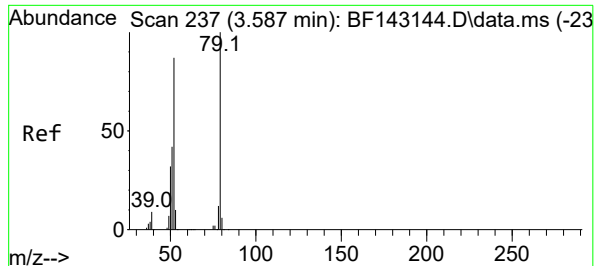
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 38.496 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

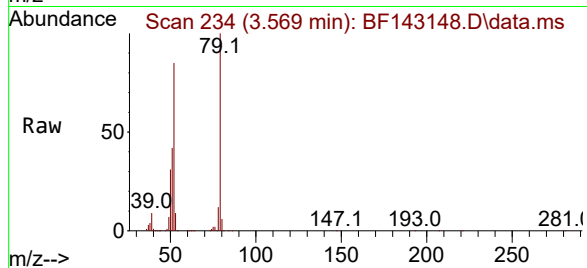
Tgt Ion: 88 Resp: 165605
Ion Ratio Lower Upper
88 100
58 86.0 70.2 105.2
43 34.4 27.1 40.7





#3
Pyridine
Concen: 40.604 ng
RT: 3.569 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

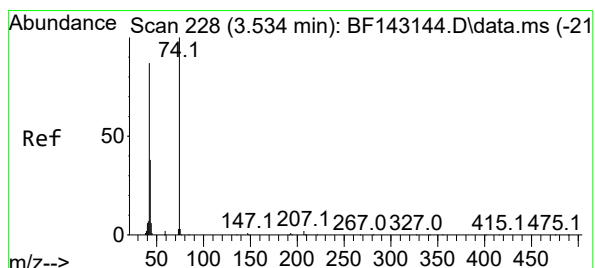
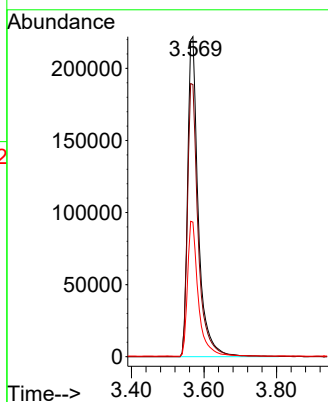
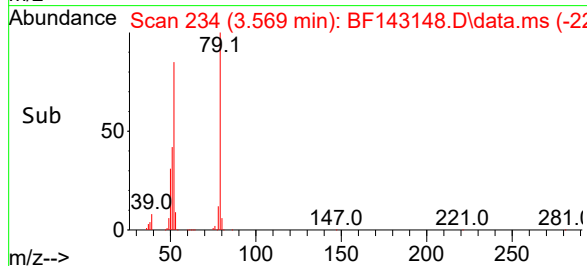
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion: 79 Resp: 45336
Ion Ratio Lower Upper
79 100
52 85.0 69.4 104.2
51 42.0 33.5 50.3

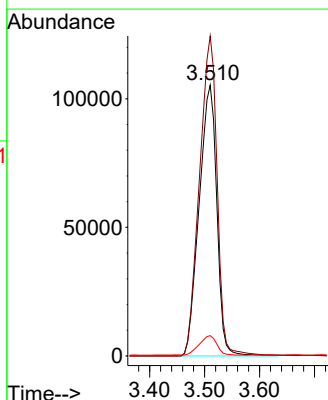
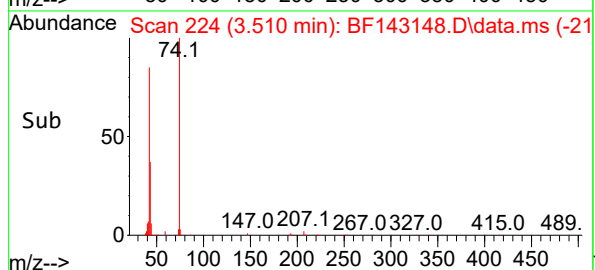
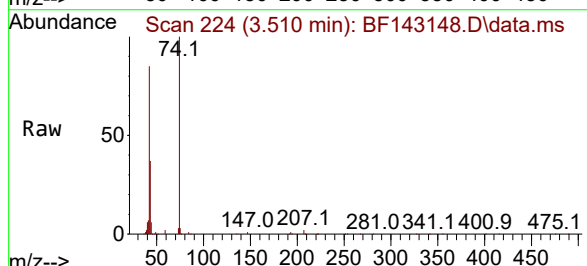
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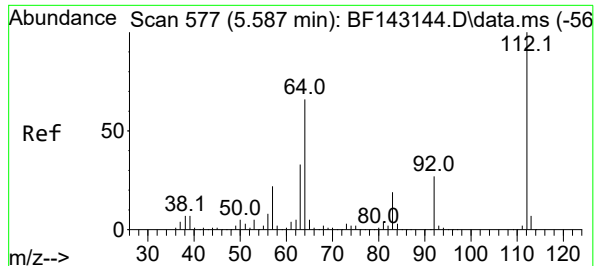
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#4
n-Nitrosodimethylamine
Concen: 40.802 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.024 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

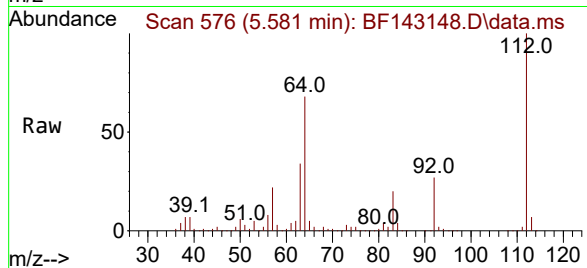
Tgt Ion: 42 Resp: 235215
Ion Ratio Lower Upper
42 100
74 118.1 91.7 137.5
44 7.5 5.6 8.4





#5
2-Fluorophenol
Concen: 77.143 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

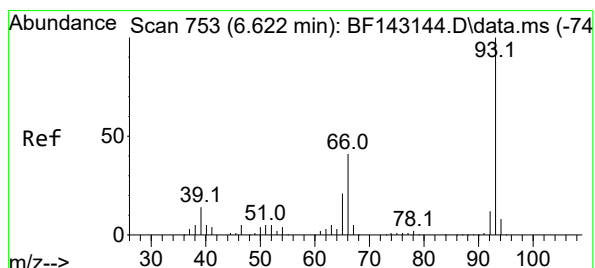
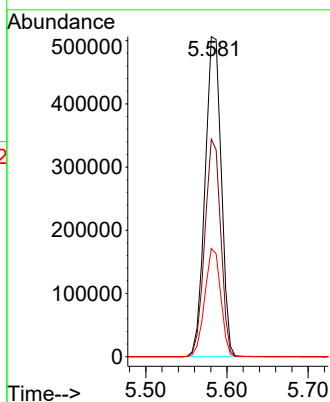
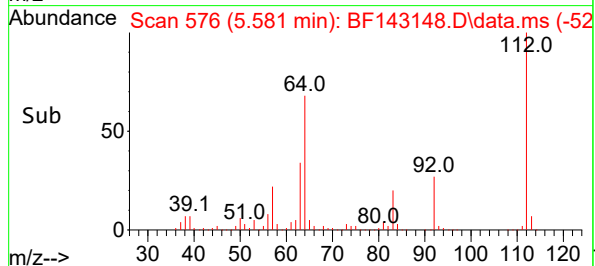
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:112 Resp: 701339
Ion Ratio Lower Upper
112 100
64 68.0 53.1 79.7
63 33.9 26.6 40.0

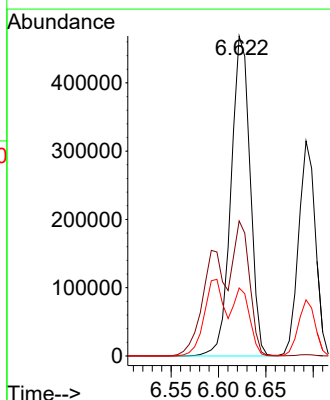
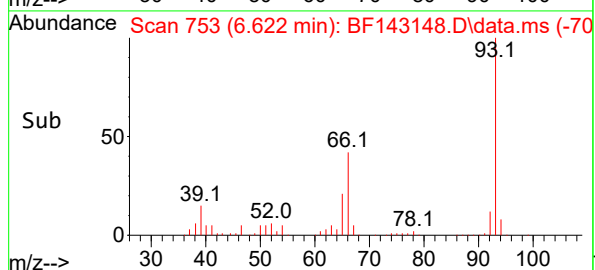
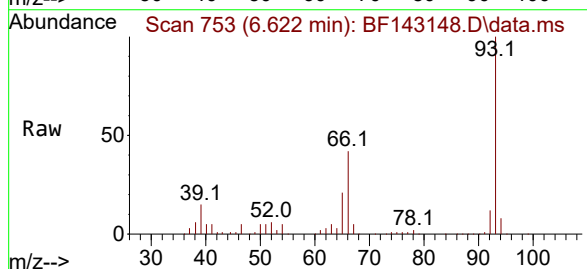
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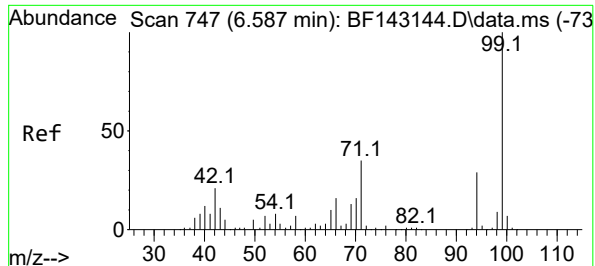
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 41.078 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

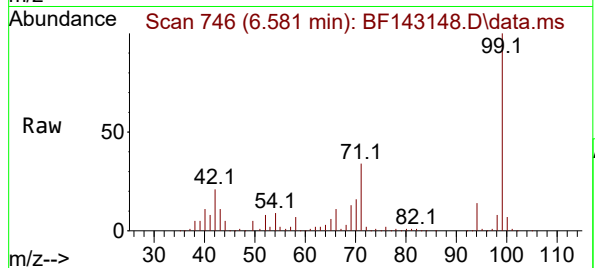
Tgt Ion: 93 Resp: 655116
Ion Ratio Lower Upper
93 100
66 42.2 33.2 49.8
65 21.3 16.9 25.3





#7
Phenol-d6
Concen: 78.133 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

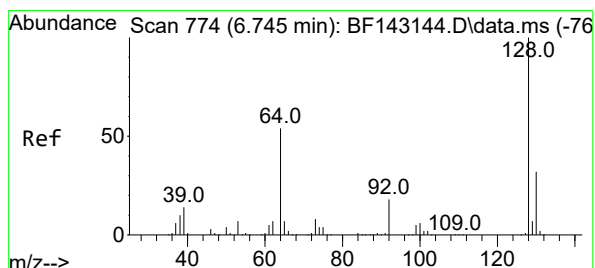
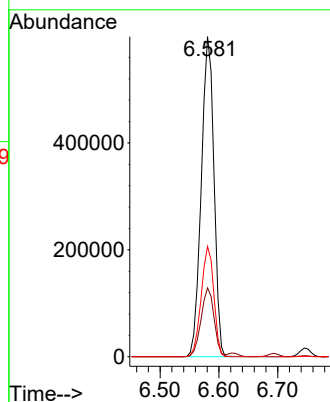
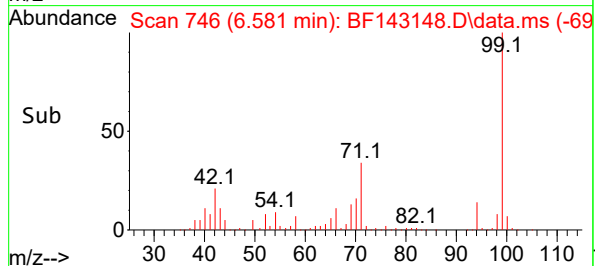
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion: 99 Resp: 89408
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 34.5 27.7 41.5

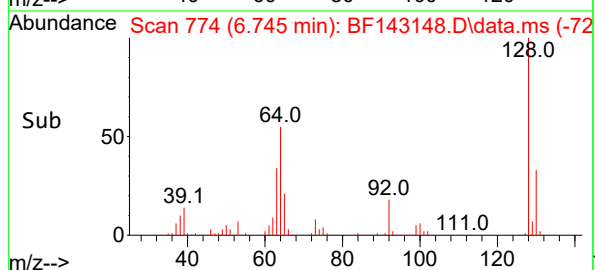
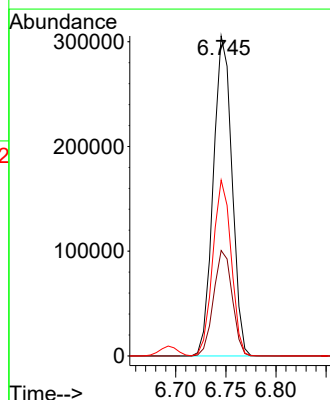
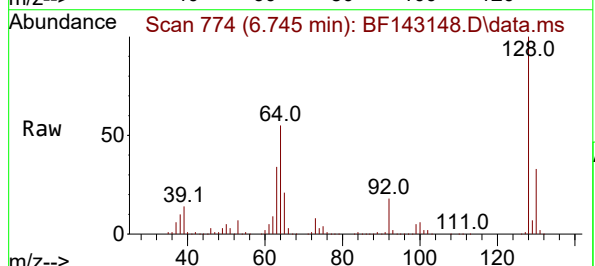
Manual Integrations
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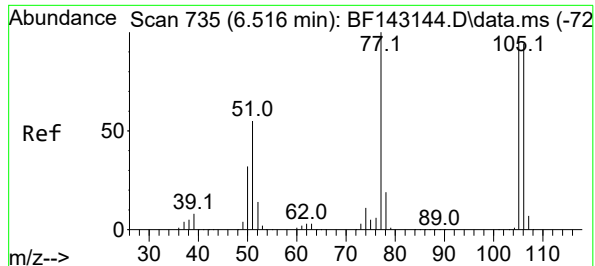
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#8
2-Chlorophenol
Concen: 41.530 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:128 Resp: 395767
Ion Ratio Lower Upper
128 100
130 32.9 12.3 52.3
64 54.9 35.9 75.9





#9

Benzaldehyde

Concen: 37.441 ng

RT: 6.510 min Scan# 710

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion: 77 Resp: 321269

Ion Ratio Lower Upper

77 100

105 94.2 76.8 116.8

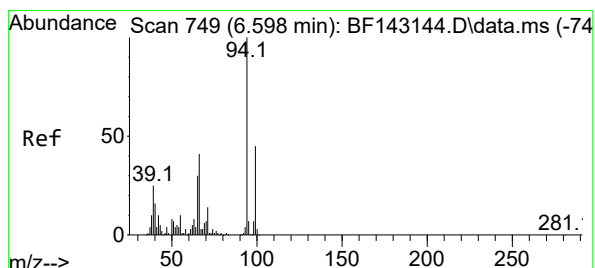
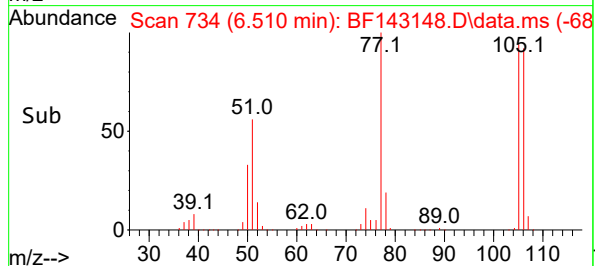
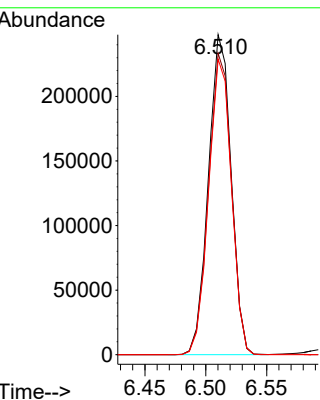
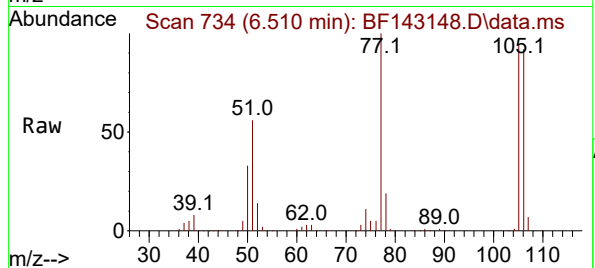
106 92.4 74.4 114.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#10

Phenol

Concen: 40.827 ng m

RT: 6.598 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

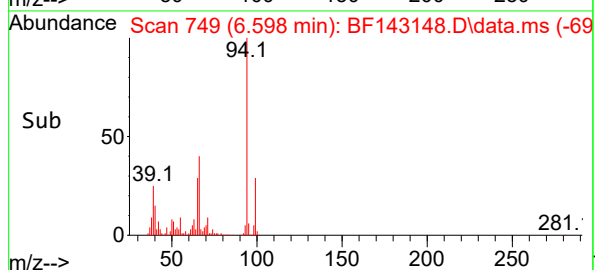
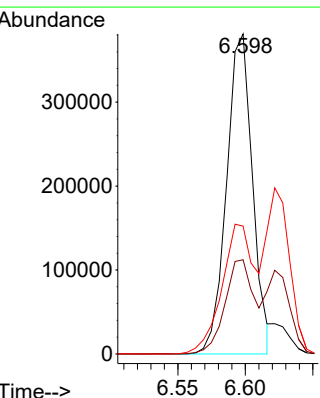
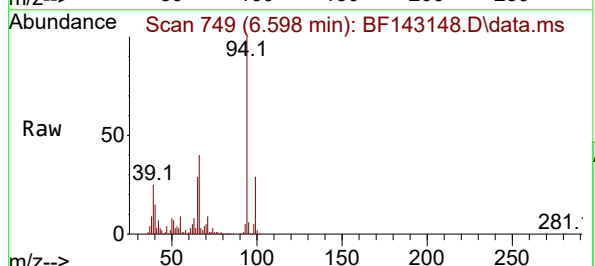
Tgt Ion: 94 Resp: 508952

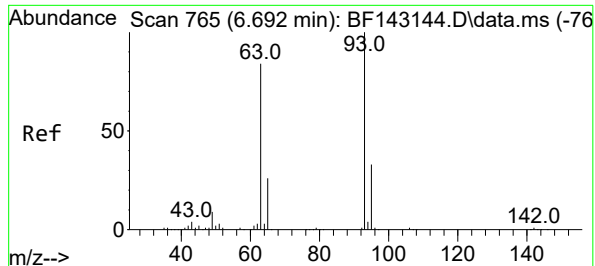
Ion Ratio Lower Upper

94 100

65 29.4 10.0 50.0

66 40.0 20.8 60.8





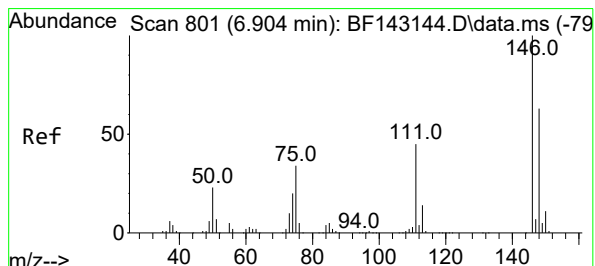
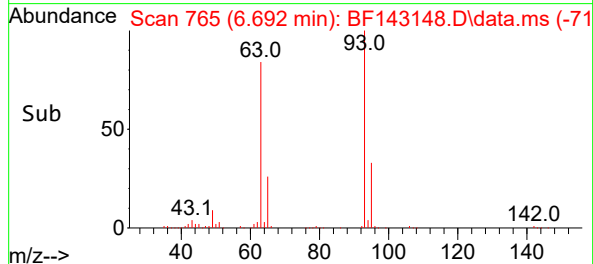
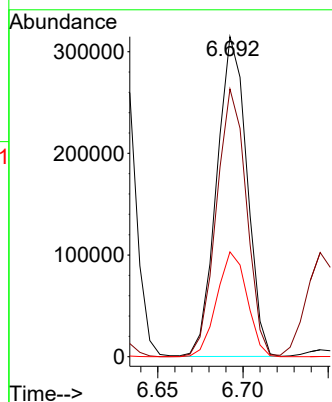
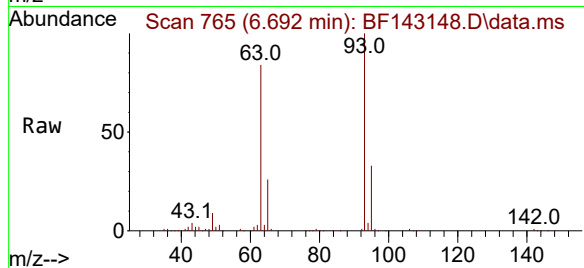
#11
bis(2-Chloroethyl)ether
Concen: 40.628 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion: 93 Resp: 38779
Ion Ratio Lower Upper
93 100
63 83.7 63.4 103.4
95 32.7 12.4 52.4

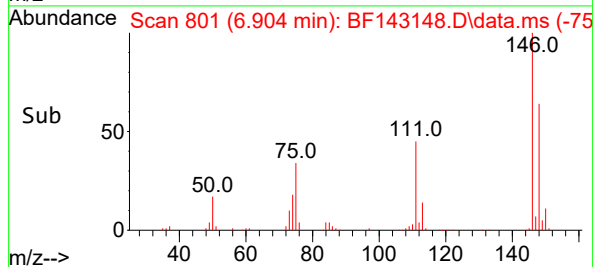
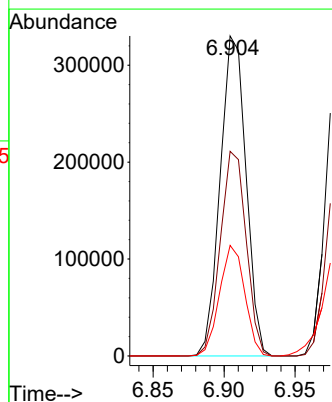
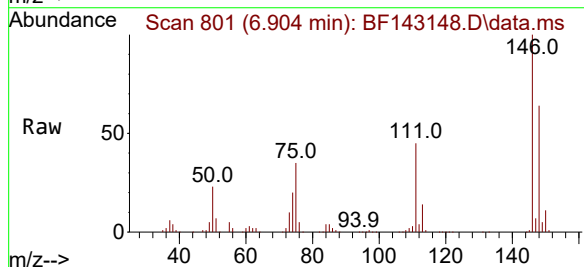
Manual Integrations
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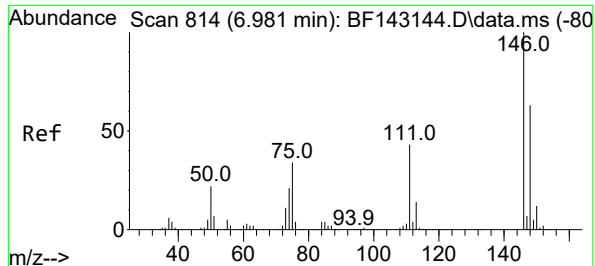
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 40.400 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:146 Resp: 418232
Ion Ratio Lower Upper
146 100
148 63.9 50.6 76.0
75 34.6 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 40.731 ng

RT: 6.981 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:146 Resp: 424629

Ion Ratio Lower Upper

146 100

148 63.5 50.3 75.5

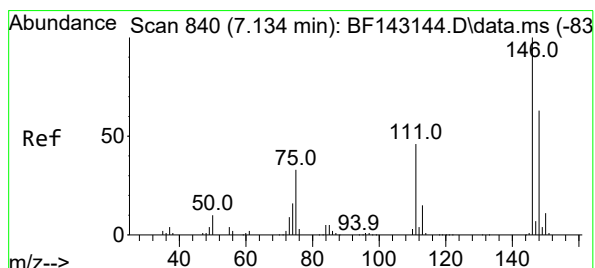
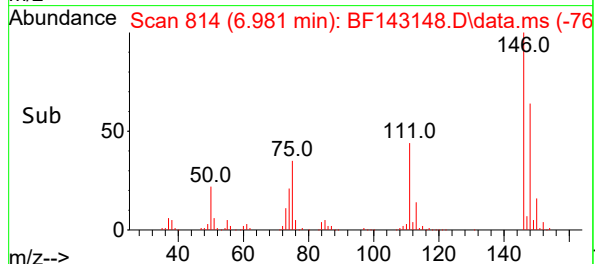
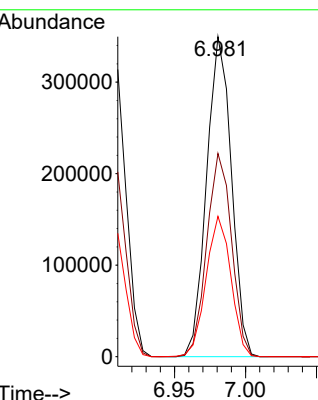
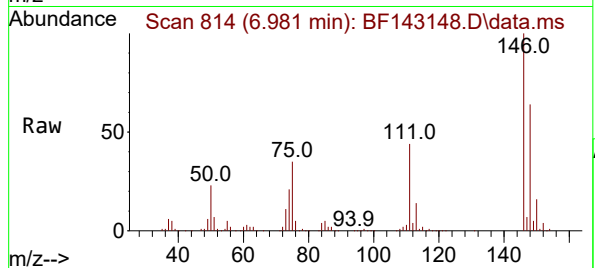
111 43.8 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 41.506 ng

RT: 7.134 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

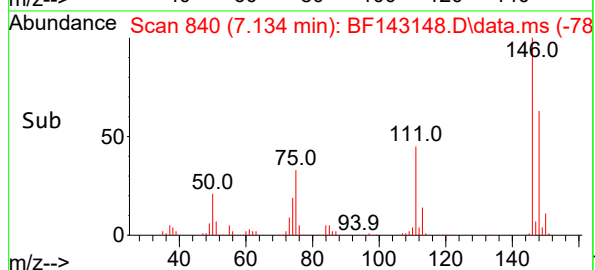
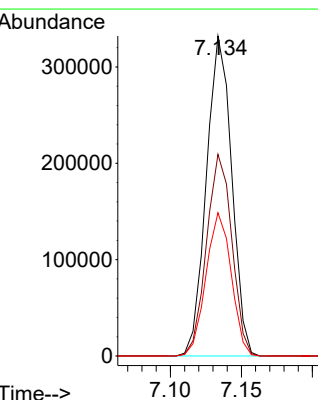
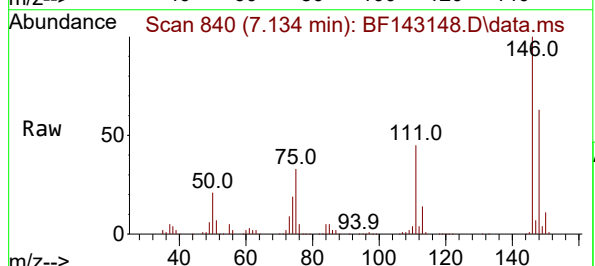
Tgt Ion:146 Resp: 411560

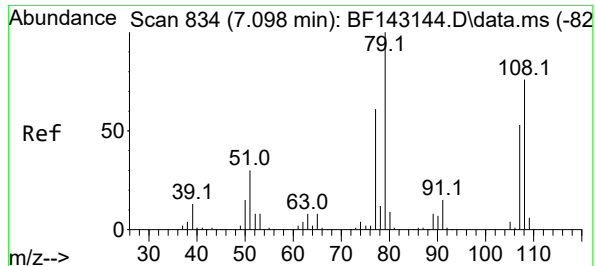
Ion Ratio Lower Upper

146 100

148 63.0 50.7 76.1

111 44.8 36.6 54.8





#15

Benzyl Alcohol

Concen: 41.958 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion: 79 Resp: 366608

Ion Ratio Lower Upper

79 100

108 76.2 61.1 91.7

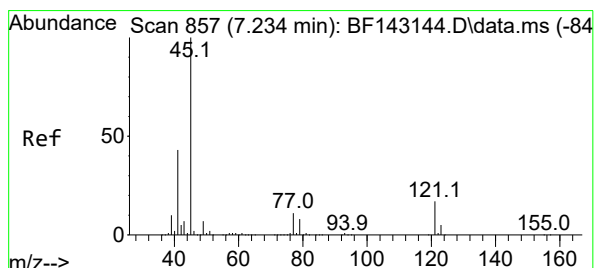
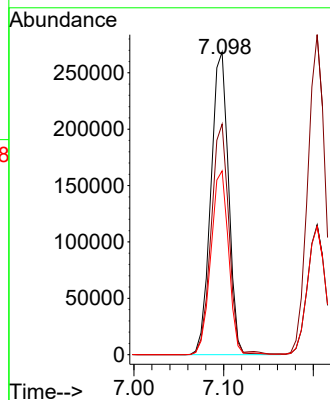
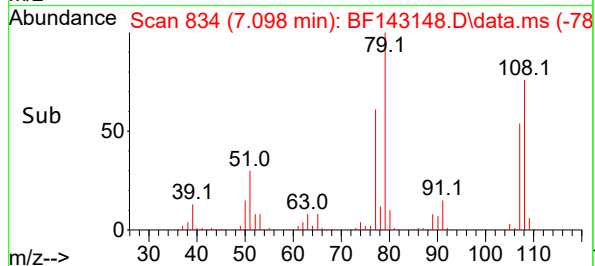
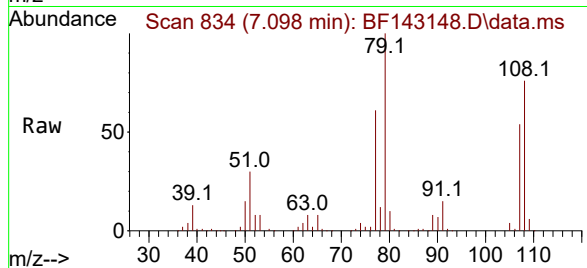
77 60.8 48.9 73.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.357 ng

RT: 7.234 min Scan# 857

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

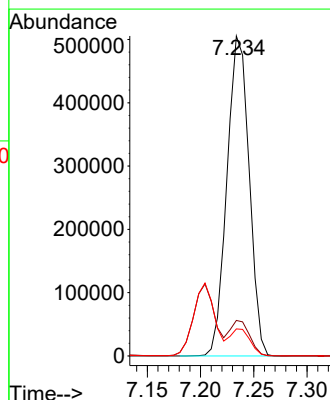
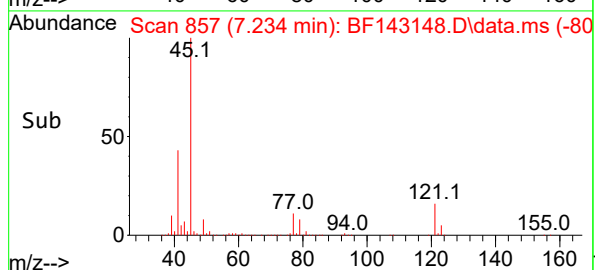
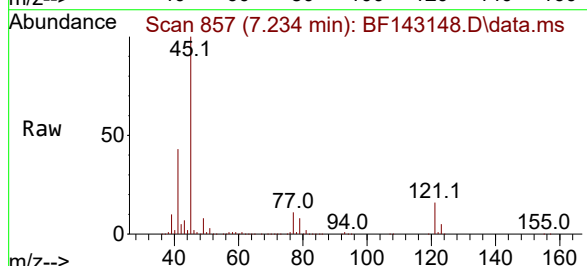
Tgt Ion: 45 Resp: 732274

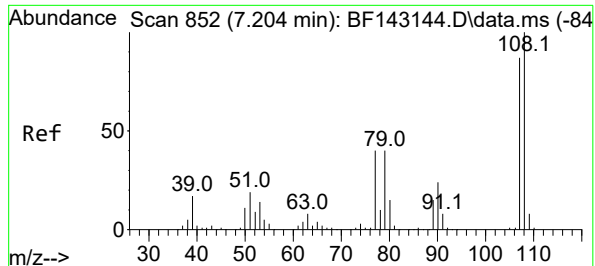
Ion Ratio Lower Upper

45 100

77 11.1 0.0 31.2

79 8.5 0.0 28.5





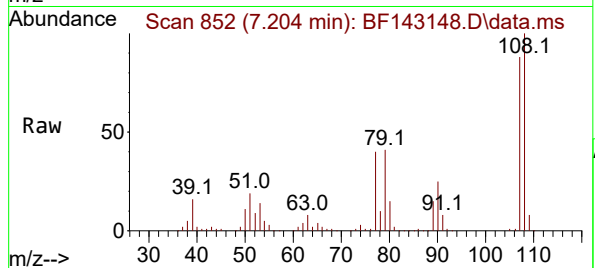
#17
2-Methylphenol
Concen: 41.398 ng
RT: 7.204 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

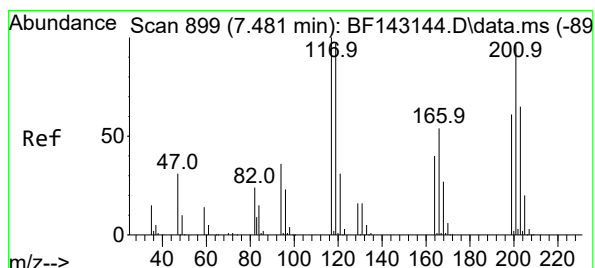
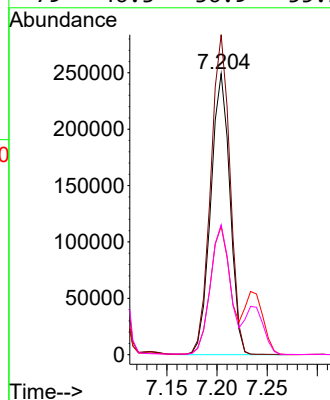
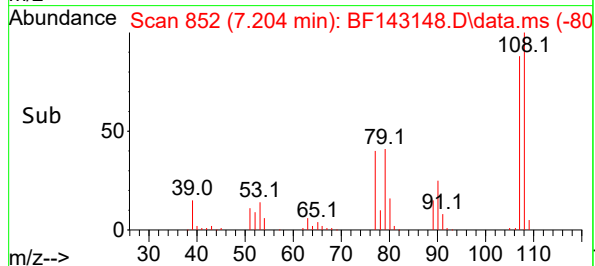


Tgt Ion:107 Resp: 331709
Ion Ratio Lower Upper
107 100
108 113.9 91.8 137.6
77 45.7 37.0 55.6
79 46.3 36.9 55.3

Manual Integrations

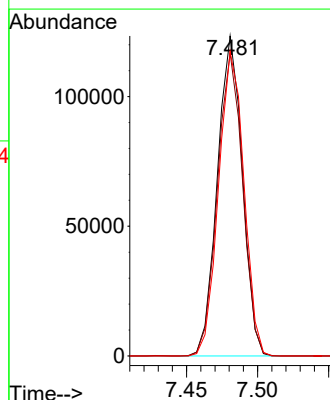
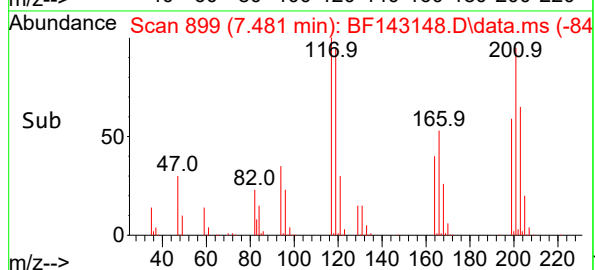
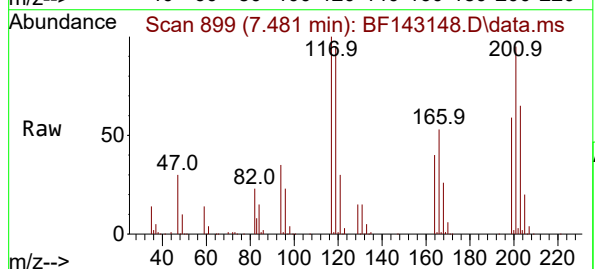
APPROVED

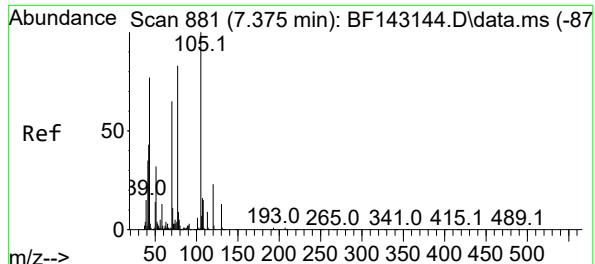
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 41.903 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:117 Resp: 151232
Ion Ratio Lower Upper
117 100
119 94.7 77.8 116.8
201 95.2 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 40.342 ng

RT: 7.375 min Scan# 881

Delta R.T. -0.000 min

Lab File: BF143148.D

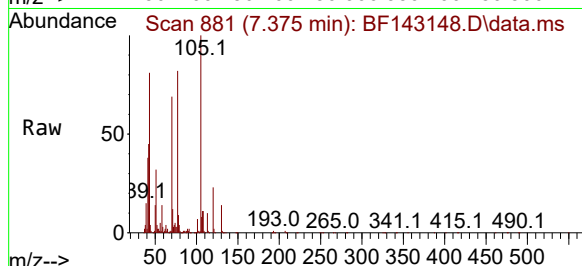
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



Tgt Ion: 70 Resp: 29617

Ion Ratio Lower Upper

70 100

42 65.6 52.5 78.7

101 9.8 7.6 11.4

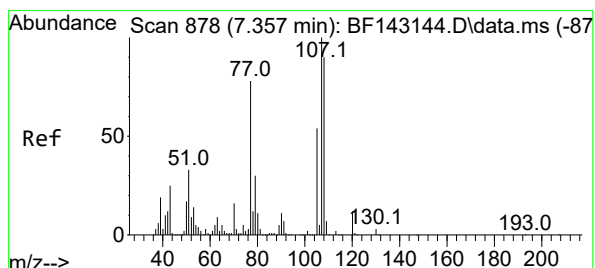
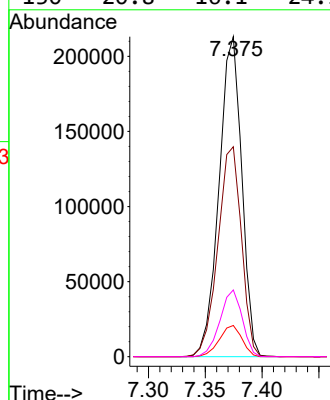
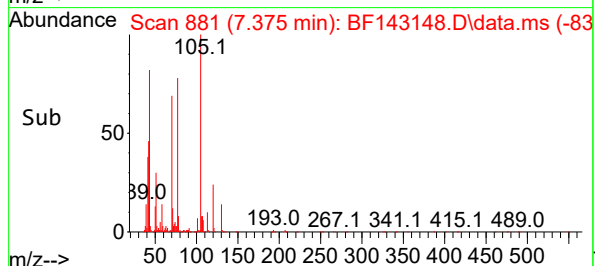
130 20.8 16.1 24.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#20

3+4-Methylphenols

Concen: 42.387 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Tgt Ion:107 Resp: 412065

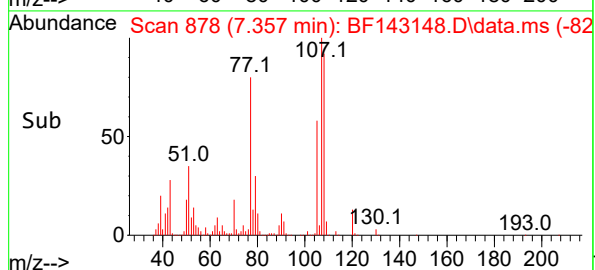
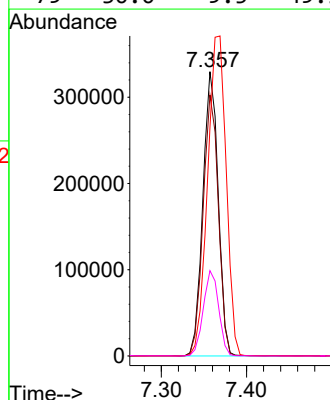
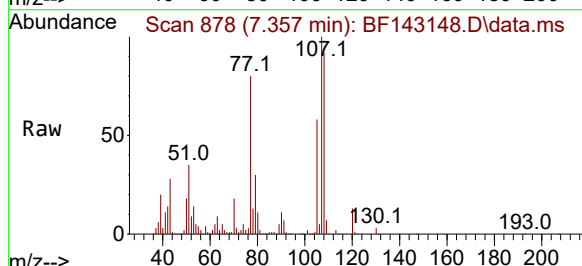
Ion Ratio Lower Upper

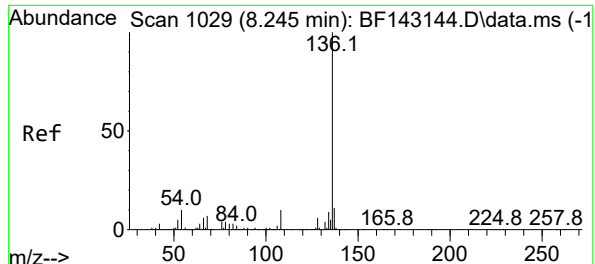
107 100

108 91.8 70.0 110.0

77 80.5 57.8 97.8

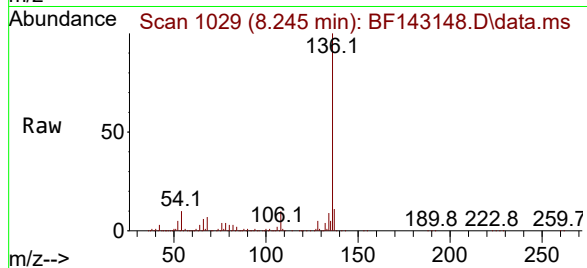
79 30.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

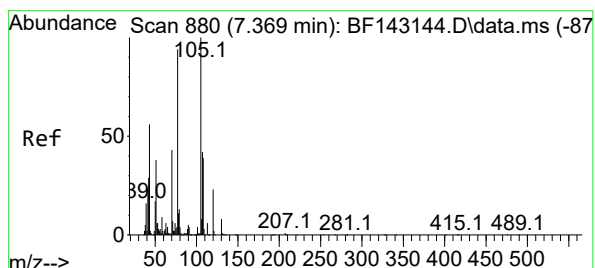
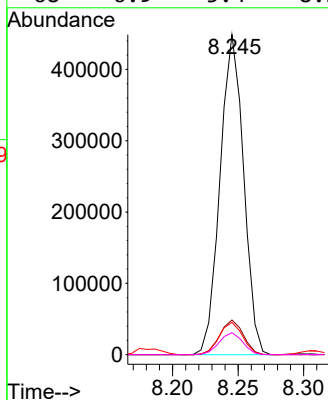
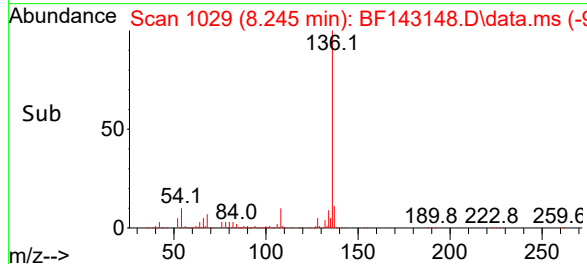
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:136 Resp: 559672
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.1 8.2 12.2
68 6.9 5.4 8.2

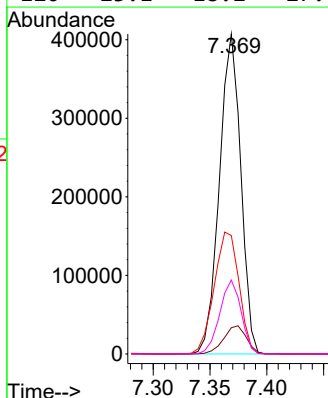
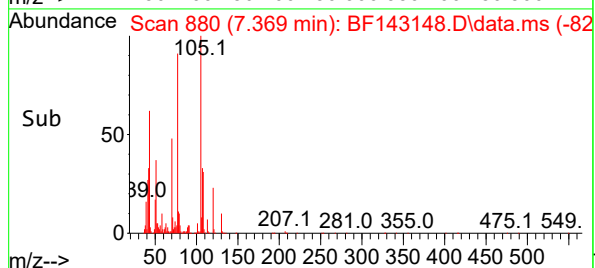
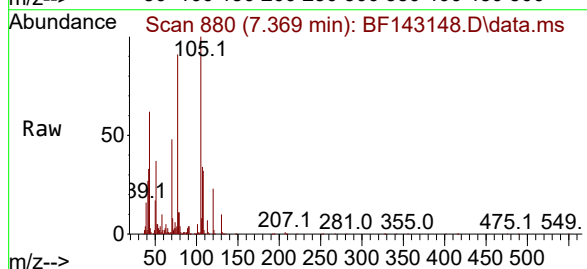
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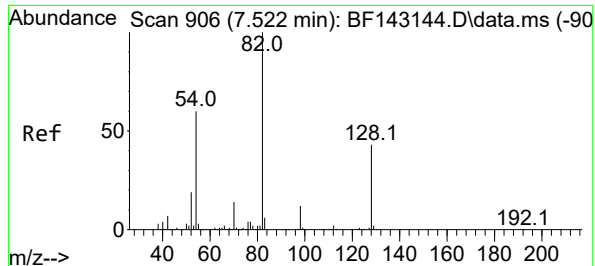
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 40.260 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:105 Resp: 533464
Ion Ratio Lower Upper
105 100
71 8.2 5.8 8.6
51 37.0 30.2 45.2
120 23.1 18.2 27.4





#23

Nitrobenzene-d5

Concen: 72.247 ng

RT: 7.522 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion: 82 Resp: 811178

Ion Ratio Lower Upper

82 100

128 43.1 33.6 50.4

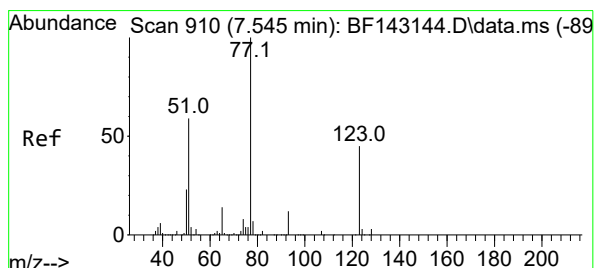
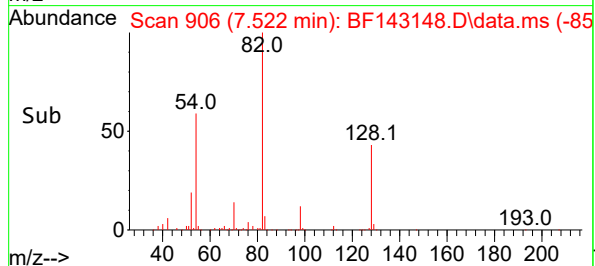
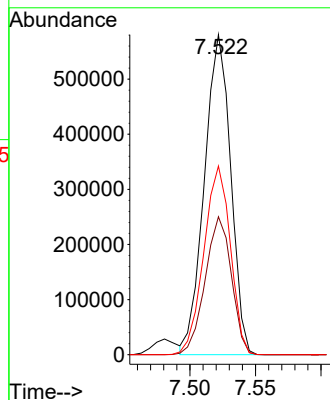
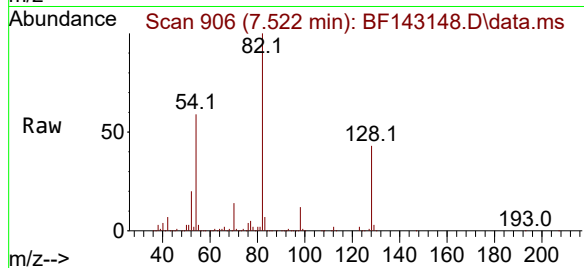
54 58.9 47.1 70.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 41.731 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

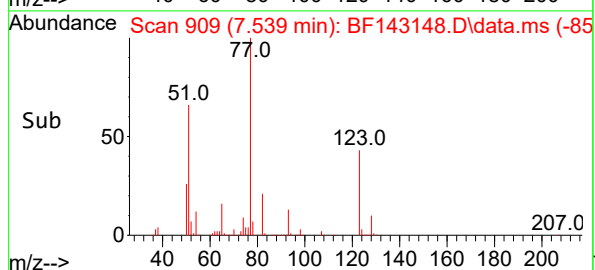
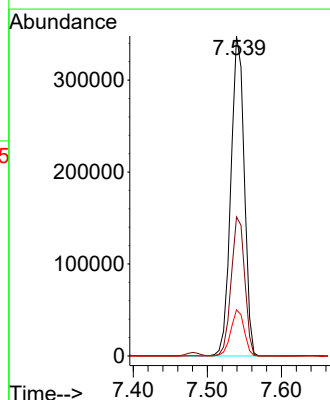
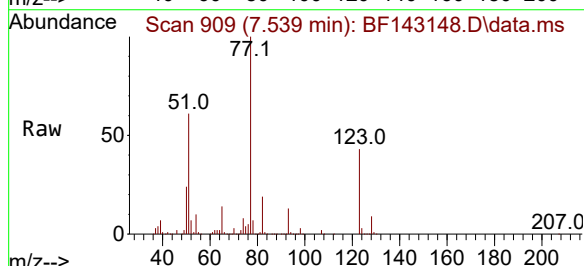
Tgt Ion: 77 Resp: 436834

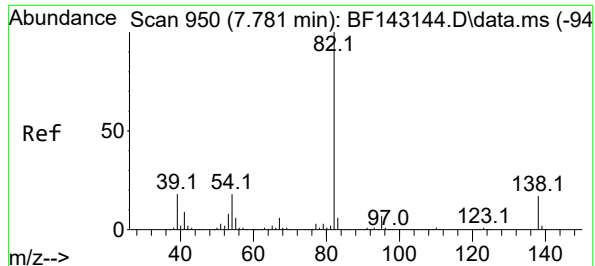
Ion Ratio Lower Upper

77 100

123 43.5 36.1 54.1

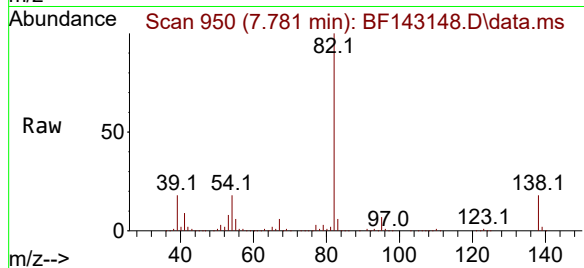
65 14.4 11.4 17.2





#25
Isophorone
Concen: 40.567 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

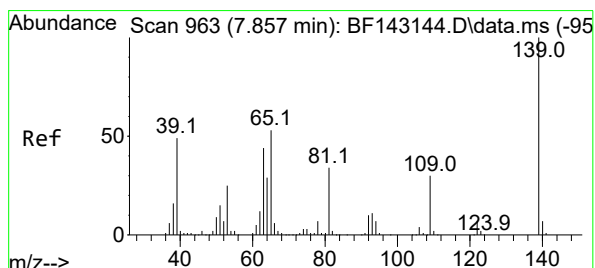
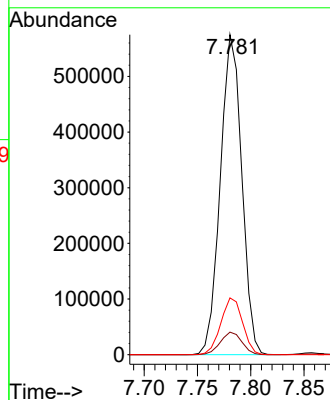
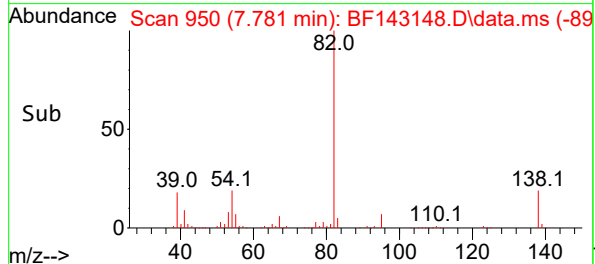
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion: 82 Resp: 80407
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 17.8 13.8 20.8

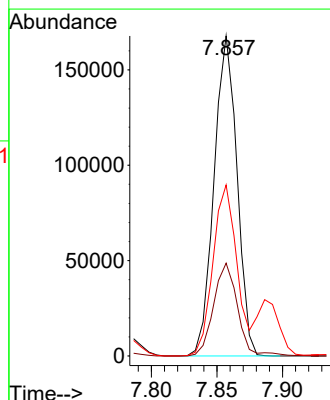
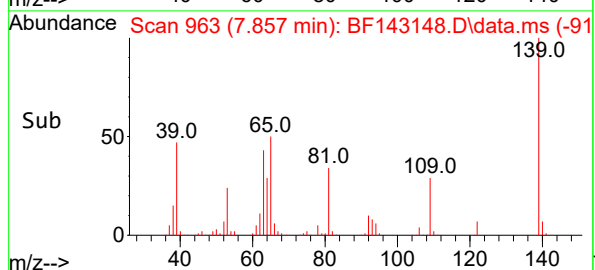
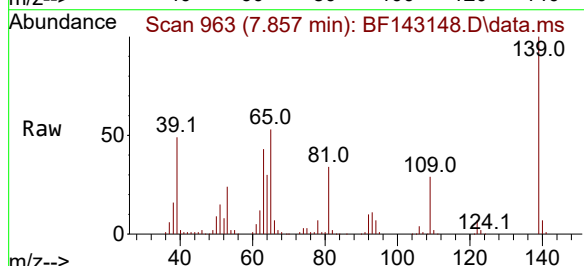
Manual Integrations
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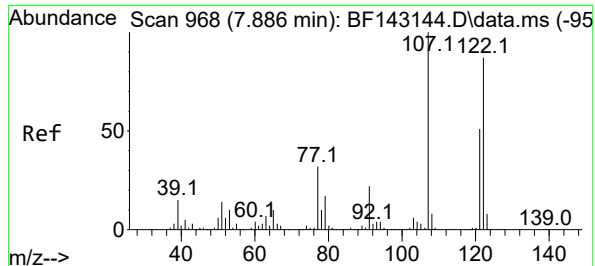
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 44.896 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:139 Resp: 203967
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 53.4 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 40.773 ng

RT: 7.886 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

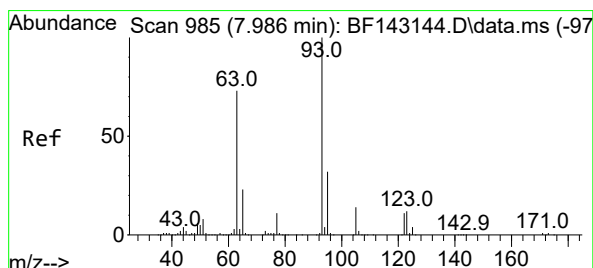
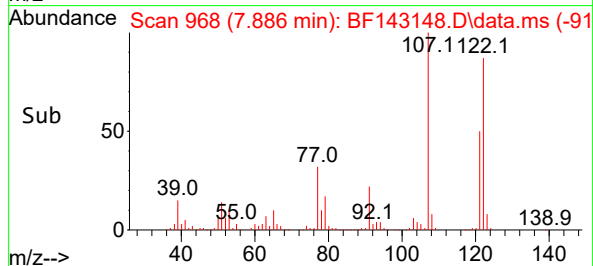
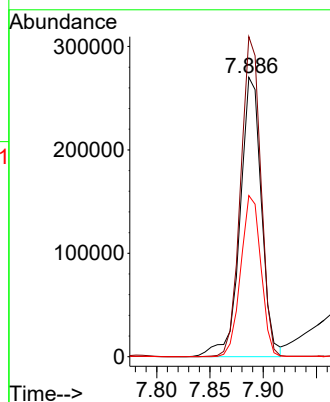
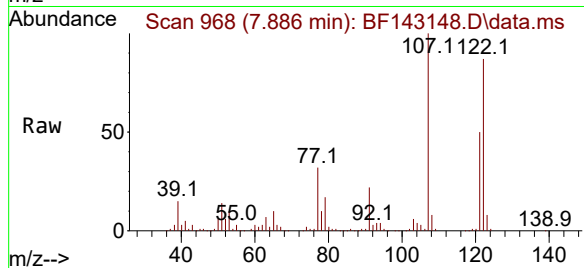
Tgt Ion:122 Resp: 377575
Ion Ratio Lower Upper
122 100
107 114.6 91.8 137.6
121 57.7 46.3 69.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 39.939 ng

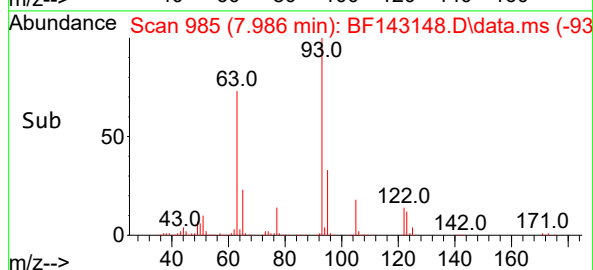
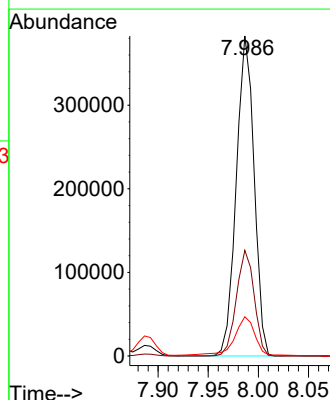
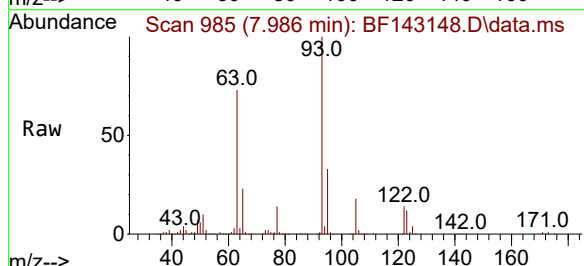
RT: 7.986 min Scan# 985

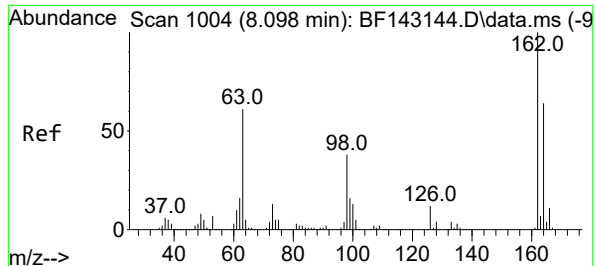
Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Tgt Ion: 93 Resp: 474637
Ion Ratio Lower Upper
93 100
95 33.0 25.8 38.6
123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 40.875 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:162 Resp: 319210

Ion Ratio Lower Upper

162 100

164 63.6 44.2 84.2

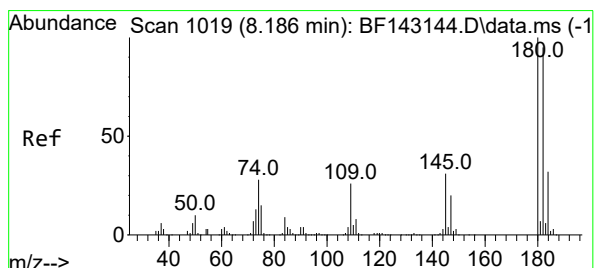
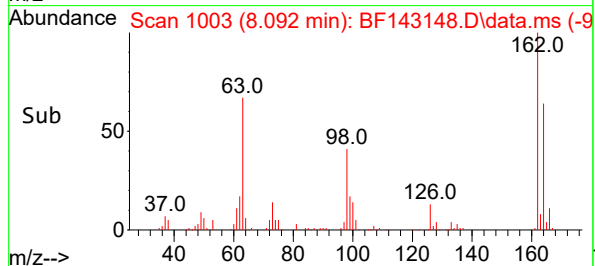
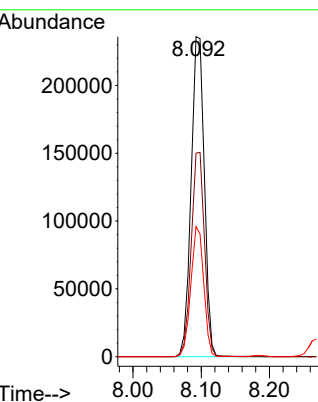
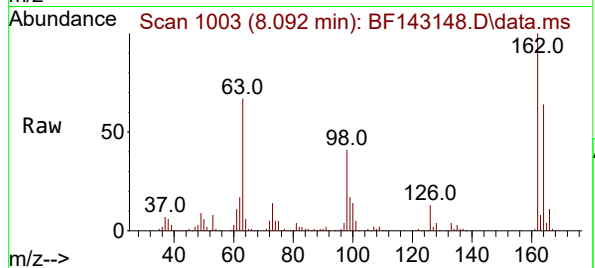
98 40.7 17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 40.551 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

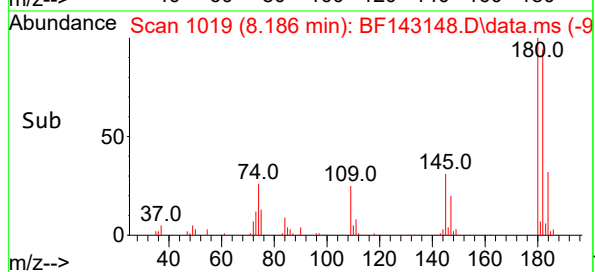
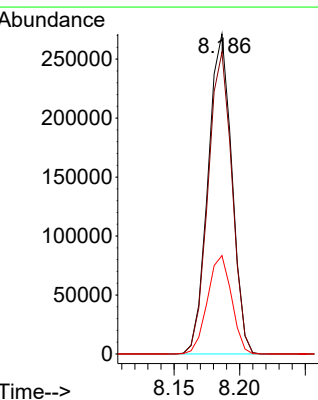
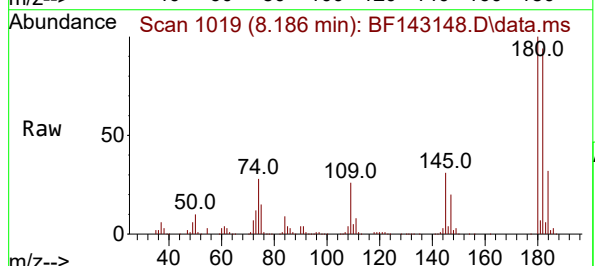
Tgt Ion:180 Resp: 342135

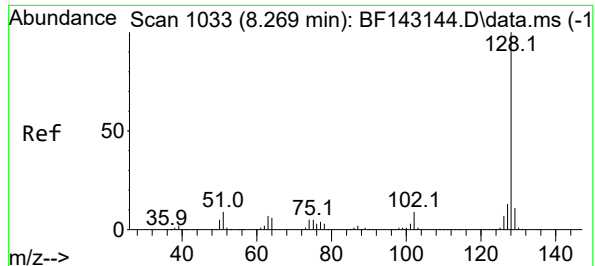
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

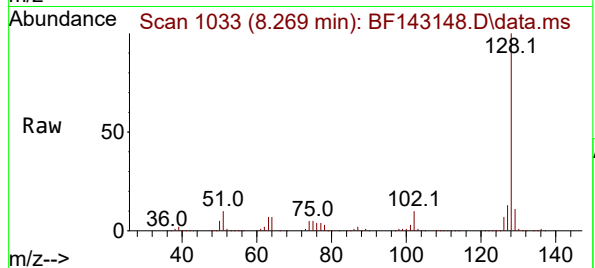
145 30.8 25.0 37.6





#31
Naphthalene
Concen: 40.143 ng
RT: 8.269 min Scan# 1033
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

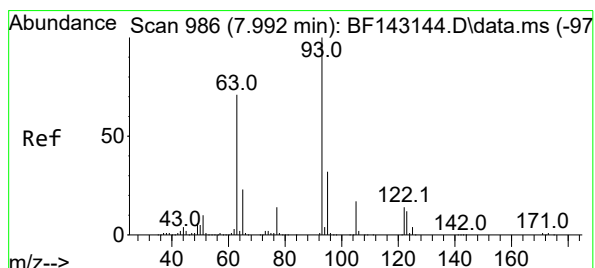
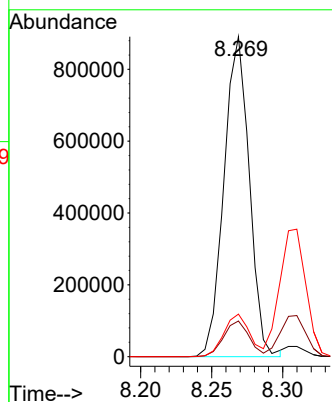
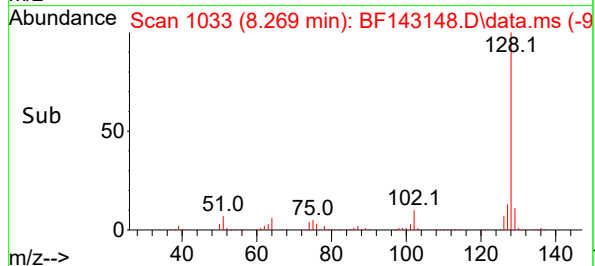
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:128 Resp: 110648
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.3 10.6 16.0

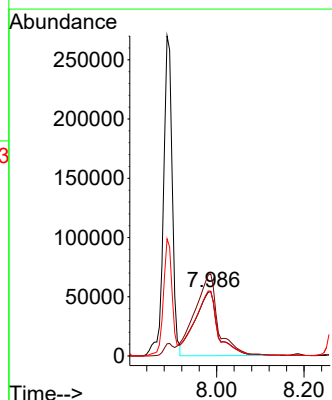
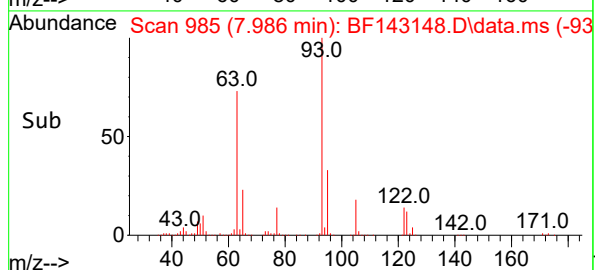
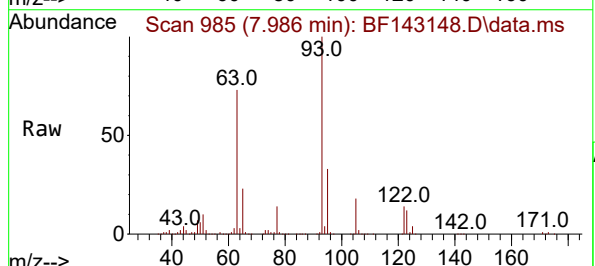
Manual Integrations
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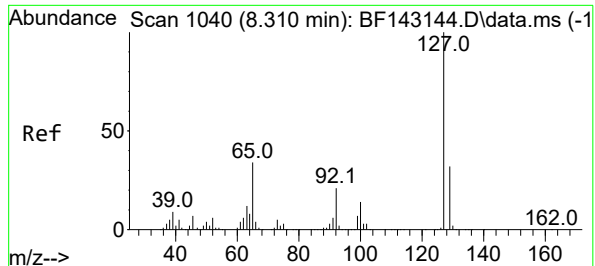
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 39.782 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:122 Resp: 202337
Ion Ratio Lower Upper
122 100
105 127.2 104.8 144.8
77 100.3 77.6 117.6





#33
4-Chloroaniline
Concen: 40.671 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

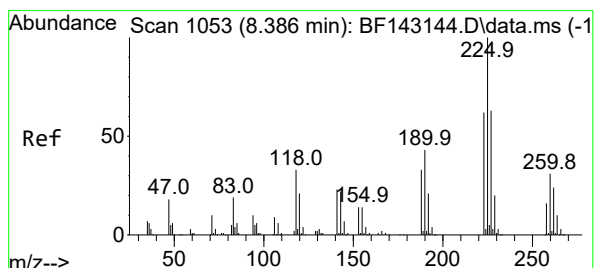
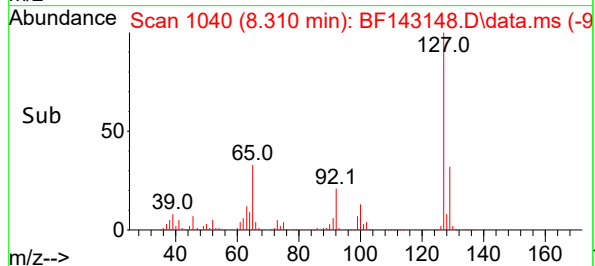
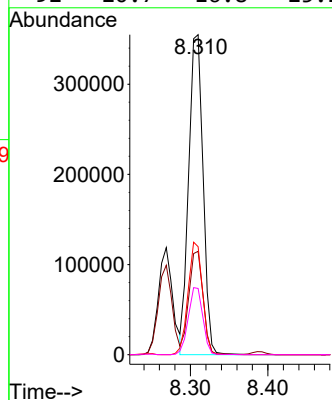
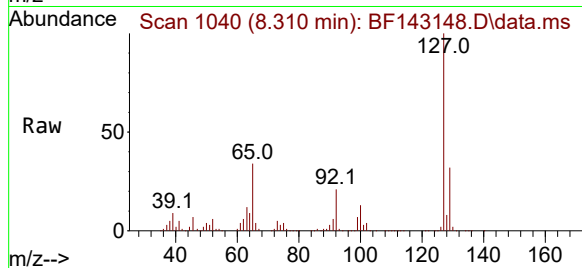
ClientSampleId :

ICVBF071725

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	33.8	27.4	41.2
92	20.7	16.8	25.2

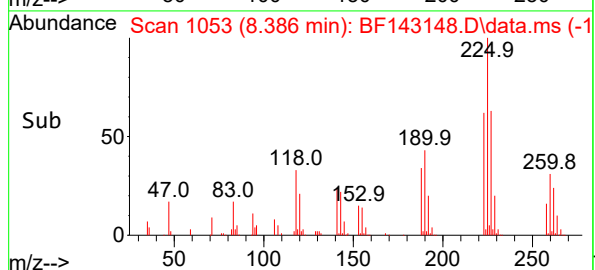
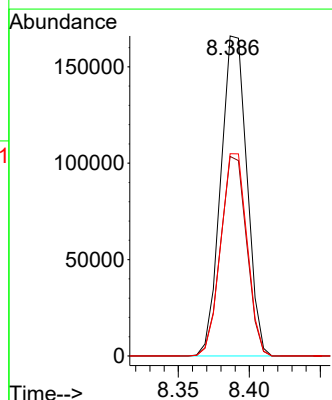
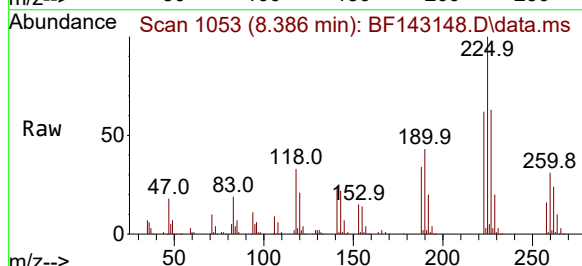
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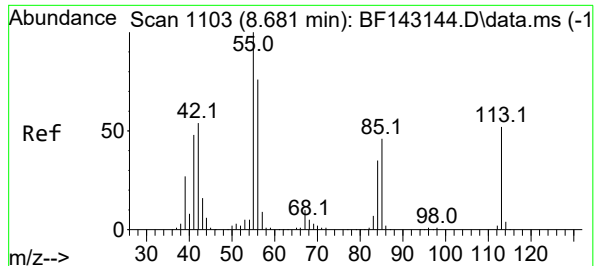
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 41.284 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	63.2	50.2	75.4





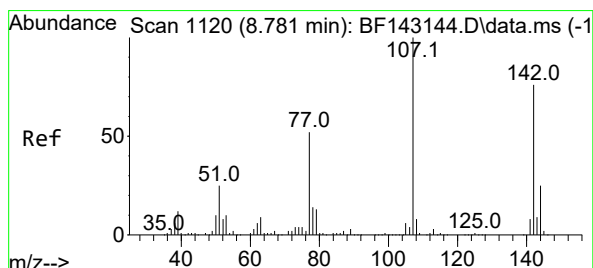
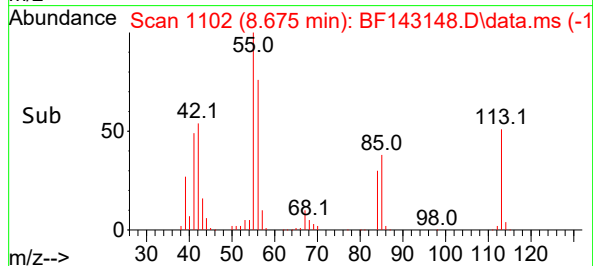
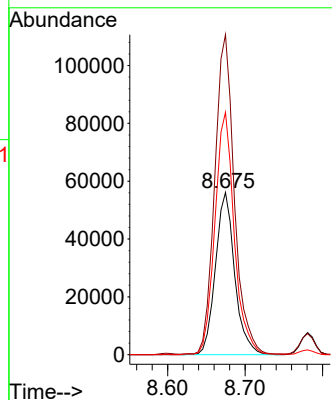
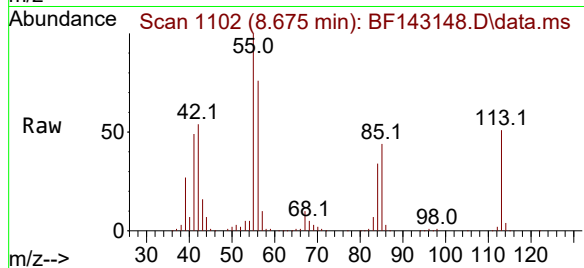
#35
Caprolactam
Concen: 40.959 ng
RT: 8.675 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:113 Resp: 9666
Ion Ratio Lower Upper
113 100
55 197.3 174.0 214.0
56 149.4 126.6 166.6

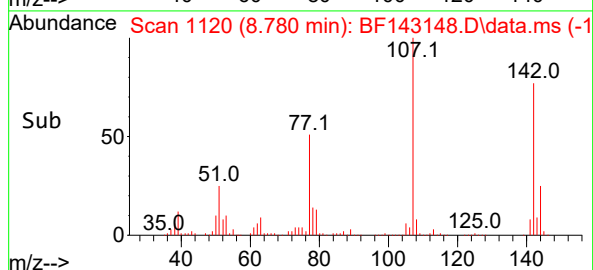
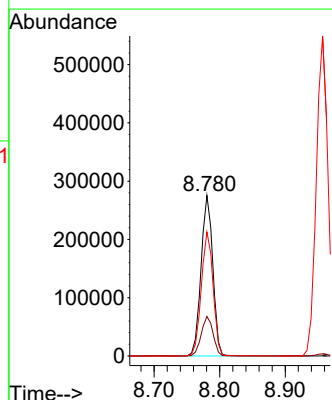
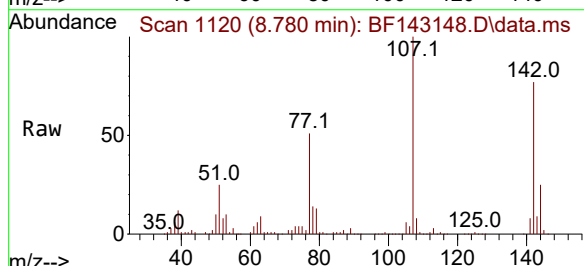
Manual Integrations
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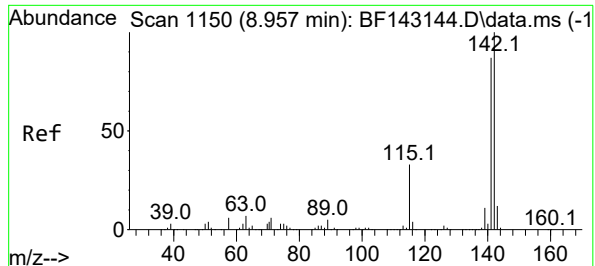
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 40.611 ng
RT: 8.780 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

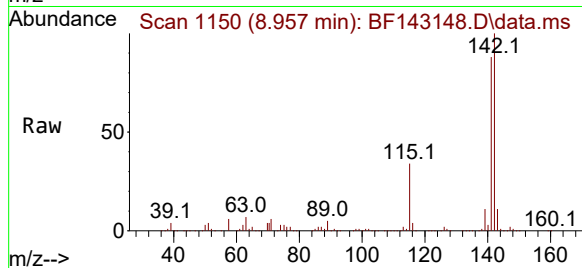
Tgt Ion:107 Resp: 344726
Ion Ratio Lower Upper
107 100
144 24.6 19.8 29.6
142 77.3 60.6 90.8





#37
2-Methylnaphthalene
Concen: 40.279 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

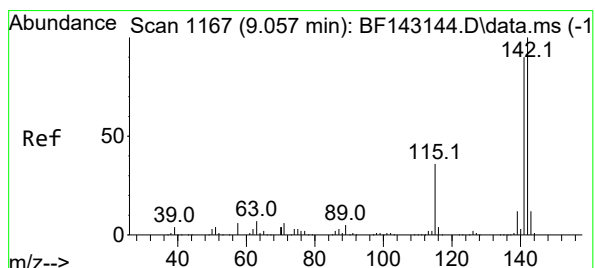
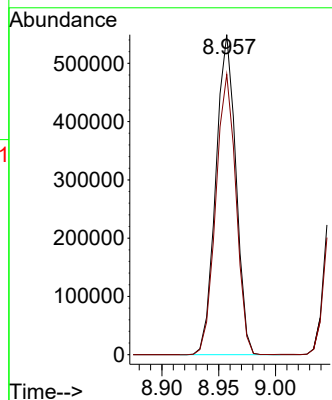
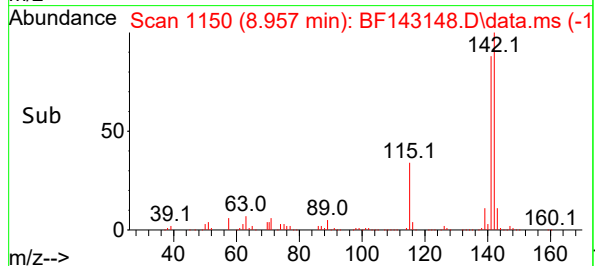
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:142 Resp: 675594
Ion Ratio Lower Upper
142 100
141 87.6 69.9 104.9

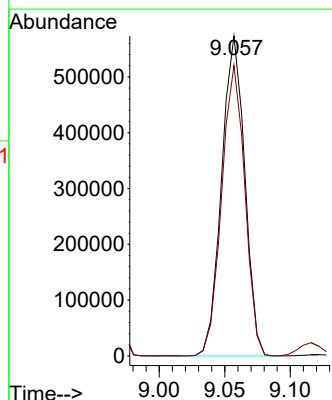
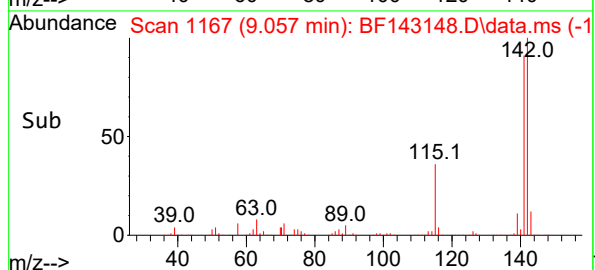
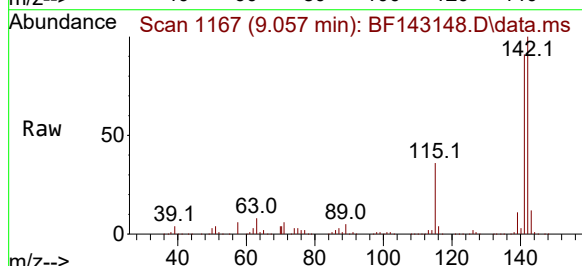
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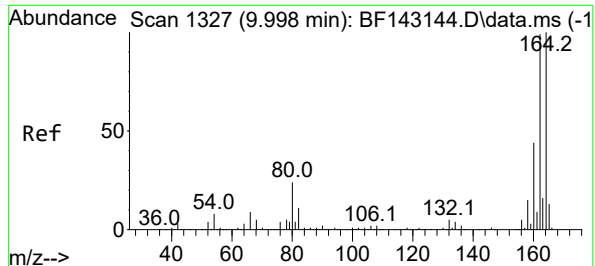
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 40.712 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:142 Resp: 703170
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143148.D

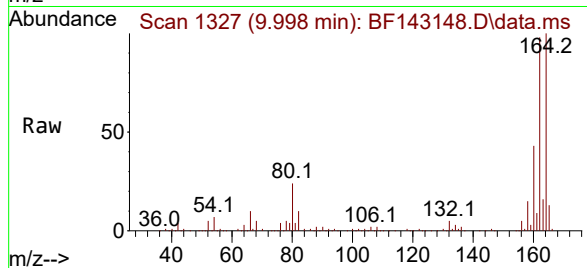
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



Tgt Ion:164 Resp: 28725

Ion Ratio Lower Upper

164 100

162 97.5 79.0 118.6

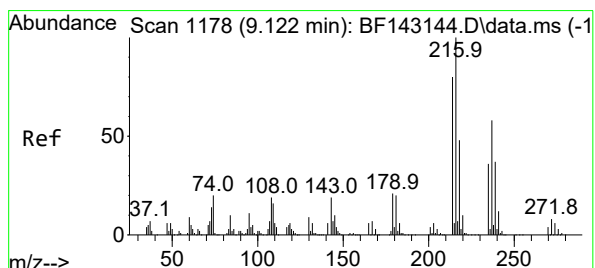
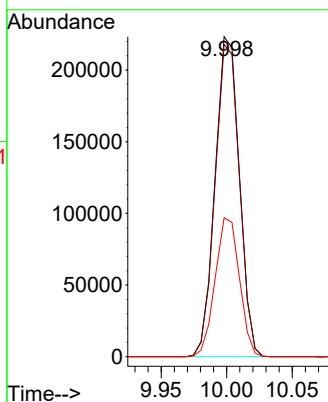
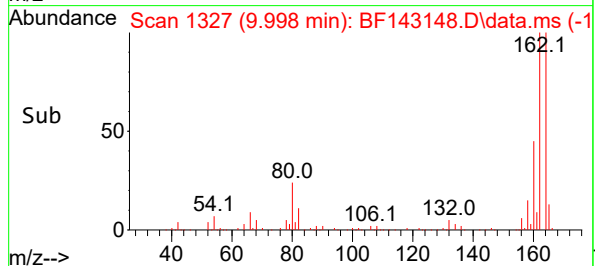
160 43.4 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.944 ng

RT: 9.122 min Scan# 1178

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Tgt Ion:216 Resp: 339567

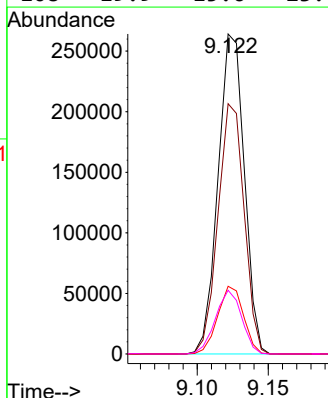
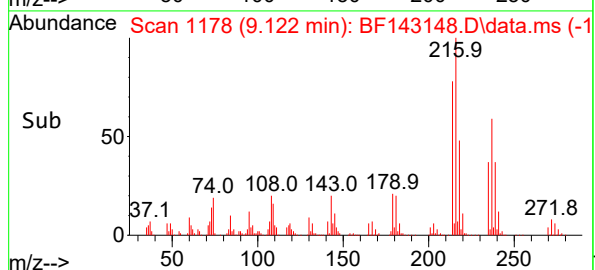
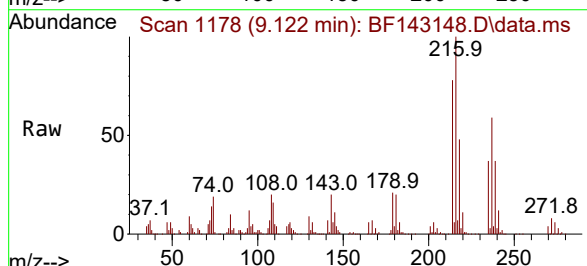
Ion Ratio Lower Upper

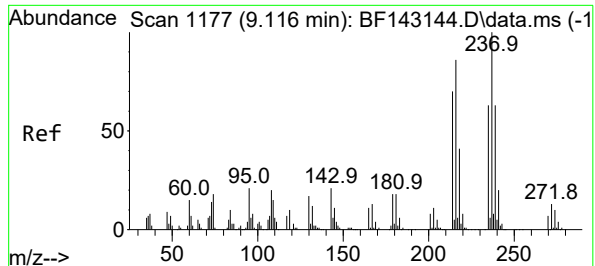
216 100

214 77.8 63.8 95.8

179 20.8 16.4 24.6

108 19.9 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 42.872 ng

RT: 9.116 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:237 Resp: 231349

Ion Ratio Lower Upper

237 100

235 62.5 43.0 83.0

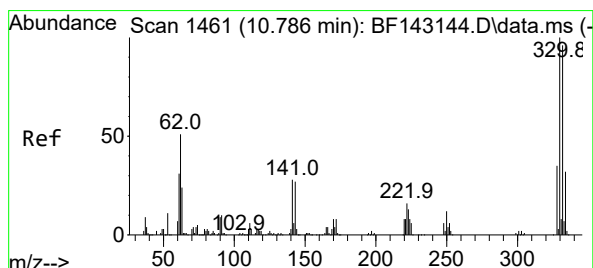
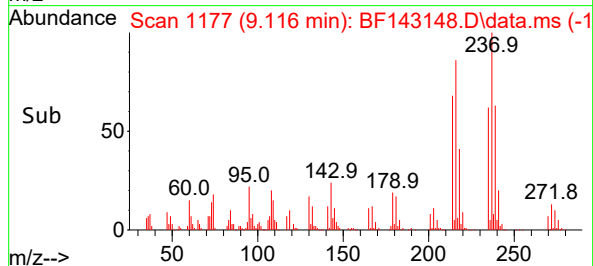
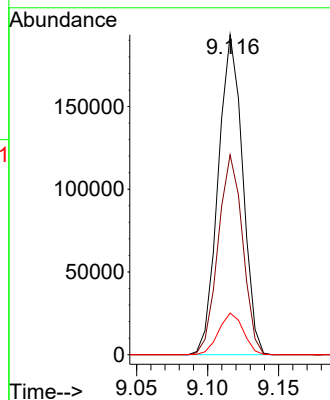
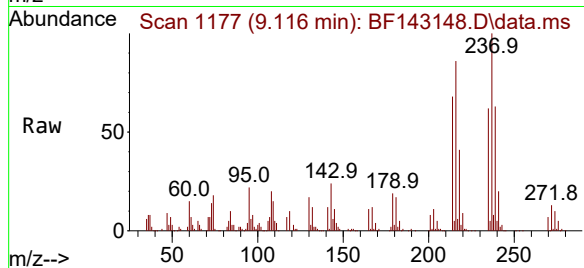
272 13.0 0.0 33.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 79.969 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

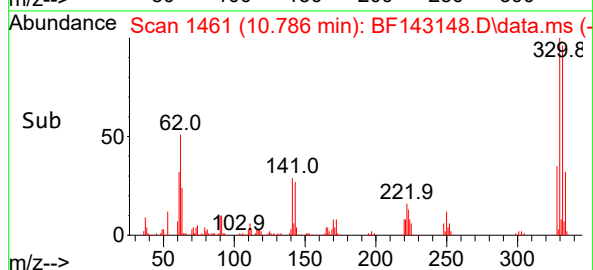
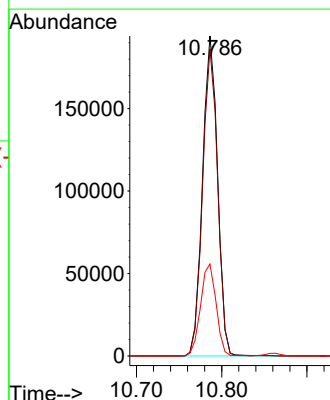
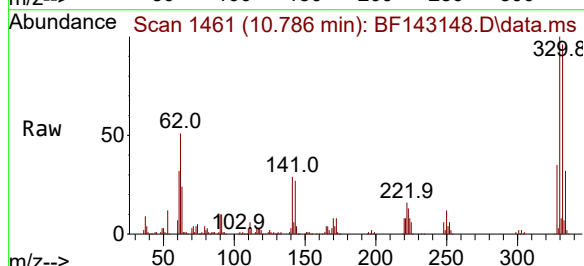
Tgt Ion:330 Resp: 237309

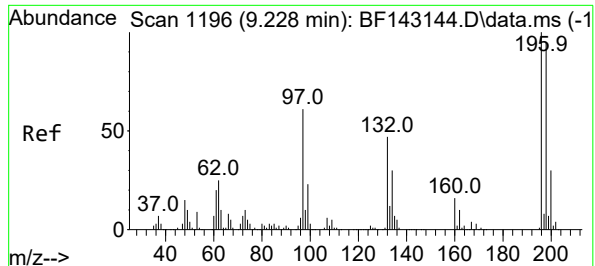
Ion Ratio Lower Upper

330 100

332 96.0 76.7 115.1

141 29.8 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 40.253 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF143148.D

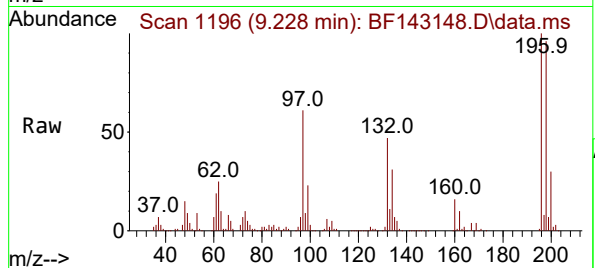
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



Tgt Ion:196 Resp: 23104

Ion Ratio Lower Upper

196 100

198 95.9 76.2 114.2

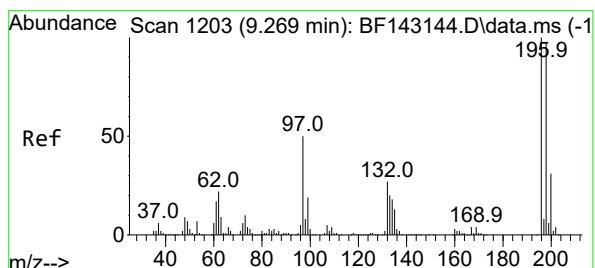
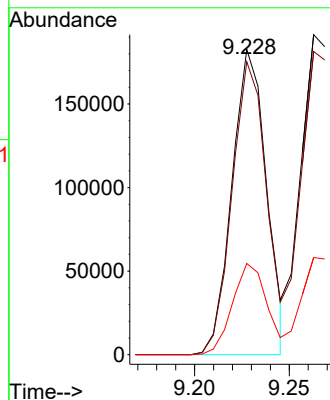
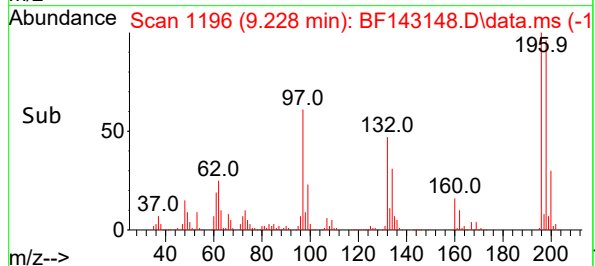
200 29.9 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

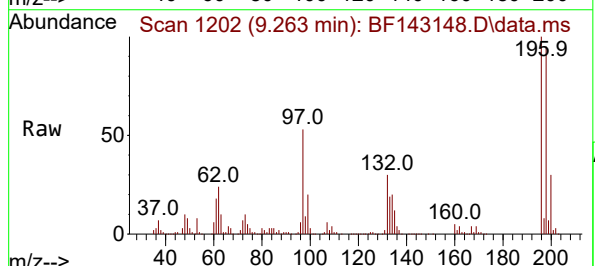
Concen: 42.989 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06



Tgt Ion:196 Resp: 246820

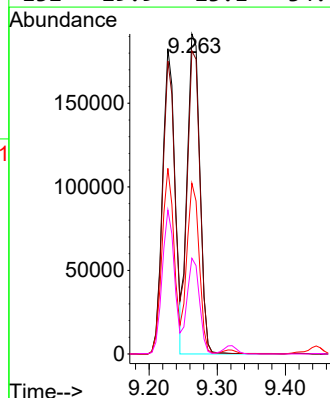
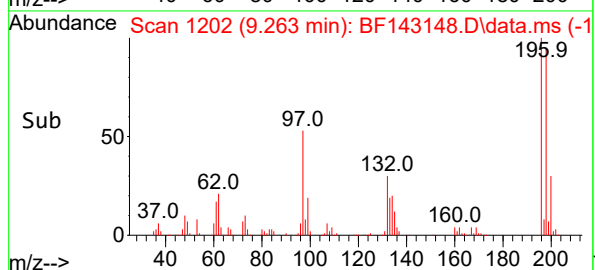
Ion Ratio Lower Upper

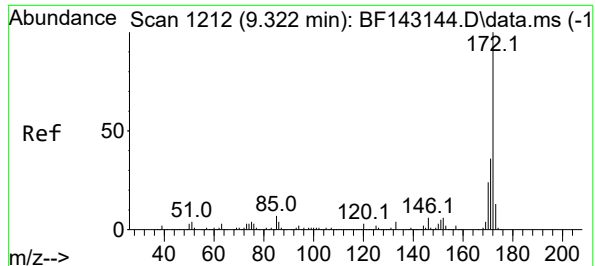
196 100

198 94.8 77.3 115.9

97 53.3 40.3 60.5

132 29.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 68.992 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:172 Resp: 1449098

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

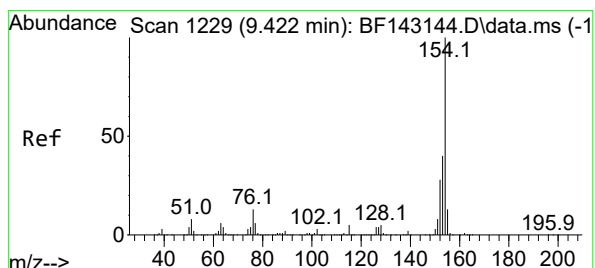
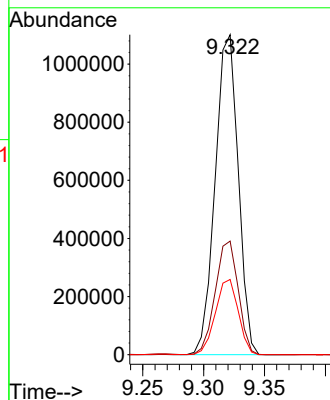
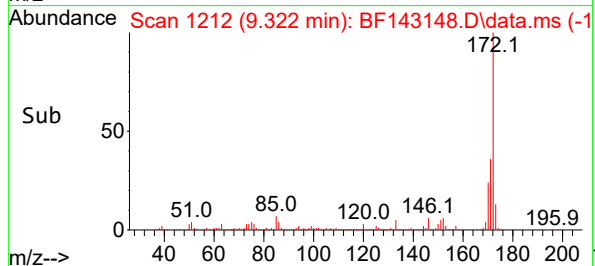
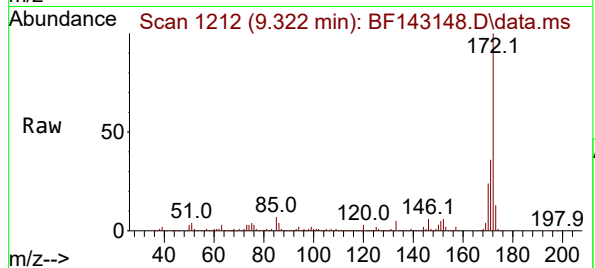
170 23.5 18.8 28.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 41.053 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

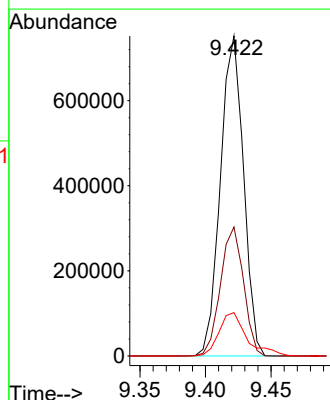
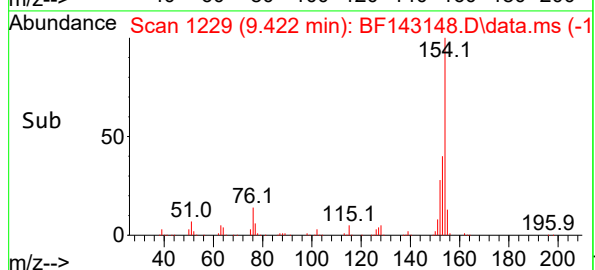
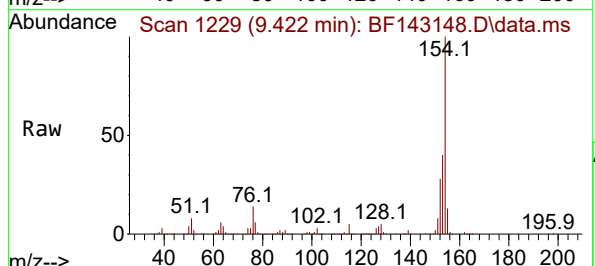
Tgt Ion:154 Resp: 920059

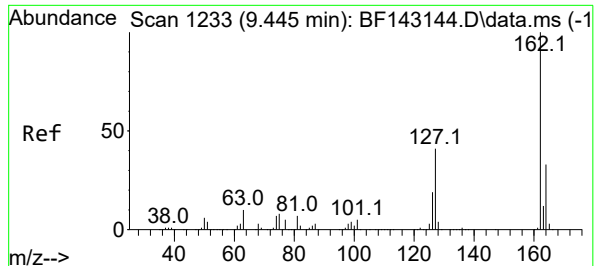
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 13.5 0.0 33.3





#47

2-Chloronaphthalene

Concen: 40.184 ng

RT: 9.445 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BF143148.D

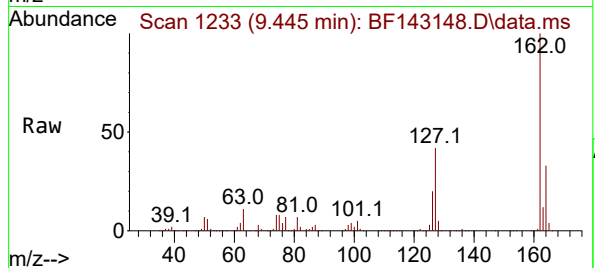
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



Tgt Ion:162 Resp: 666359

Ion Ratio Lower Upper

162 100

127 42.0 33.4 50.2

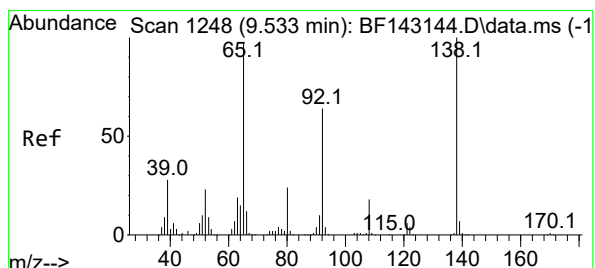
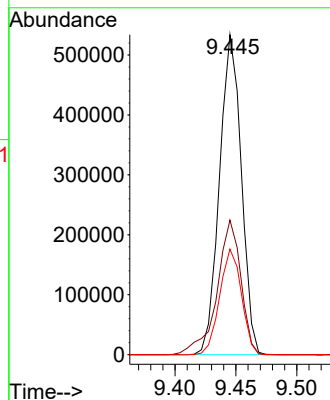
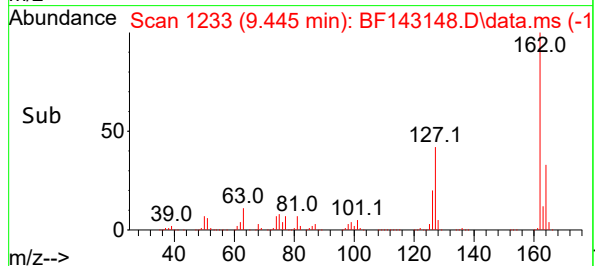
164 33.0 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

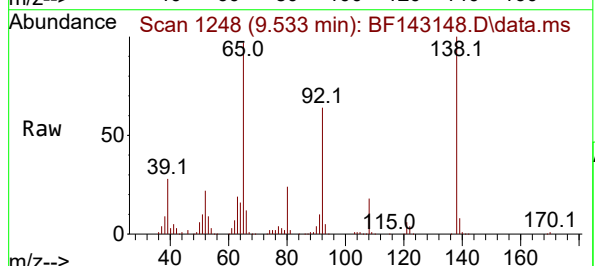
Concen: 43.723 ng

RT: 9.533 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06



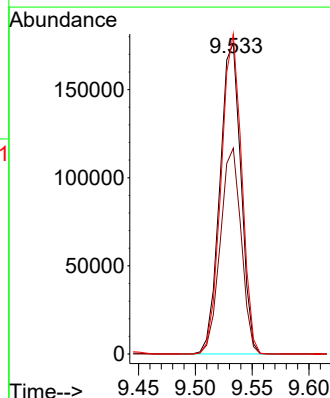
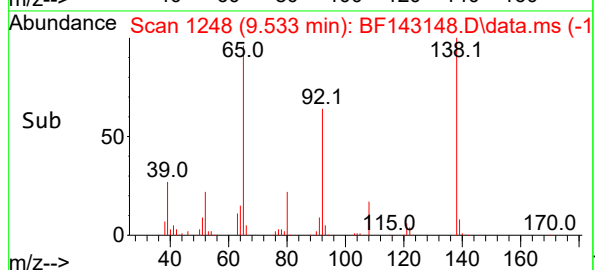
Tgt Ion: 65 Resp: 227376

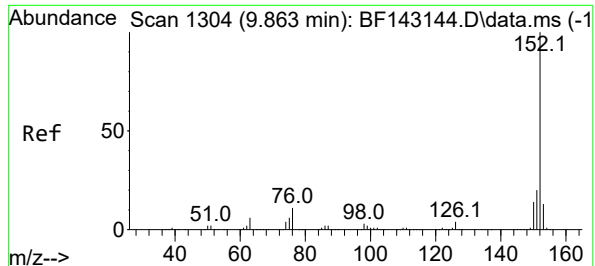
Ion Ratio Lower Upper

65 100

92 66.2 52.4 78.6

138 102.9 82.3 123.5





#49

Acenaphthylene

Concen: 40.013 ng

RT: 9.863 min Scan# 1111992

Delta R.T. -0.000 min

Lab File: BF143148.D

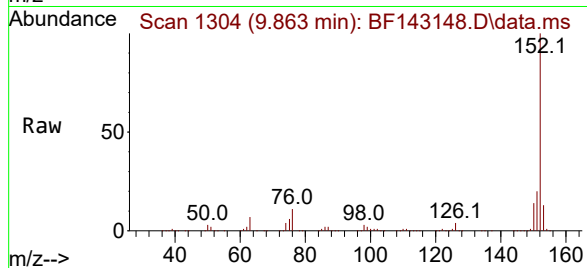
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



Tgt Ion:152 Resp: 1111992

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

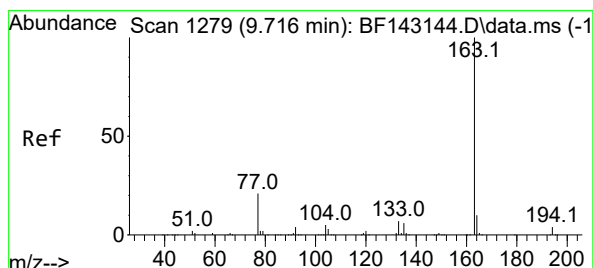
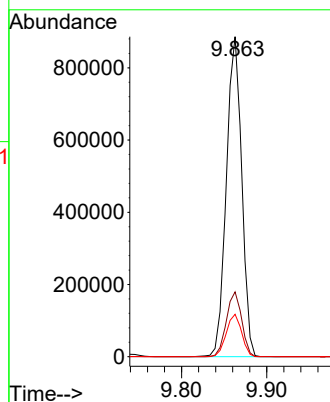
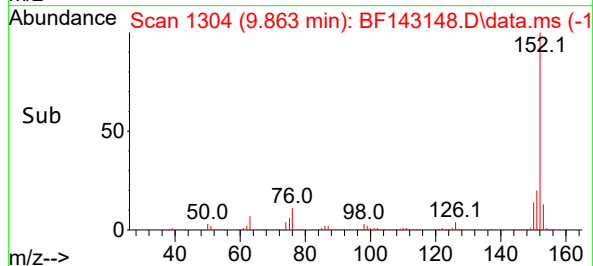
153 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

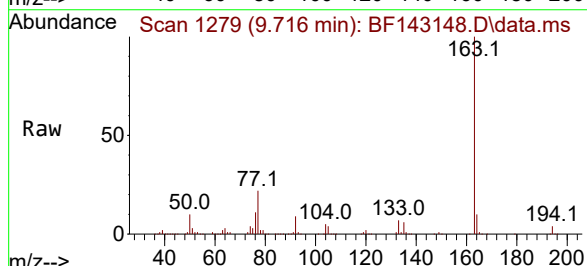
Concen: 40.218 ng

RT: 9.716 min Scan# 1279

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06



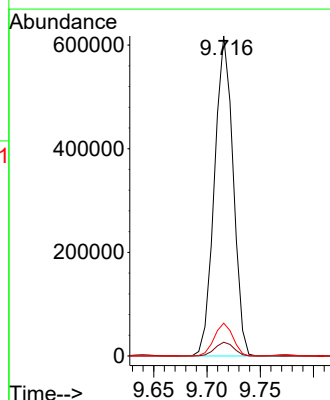
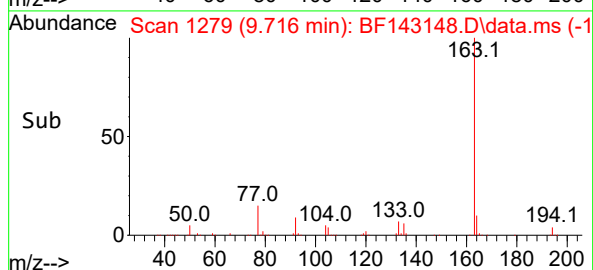
Tgt Ion:163 Resp: 753041

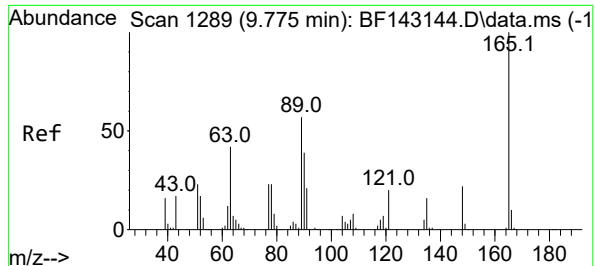
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

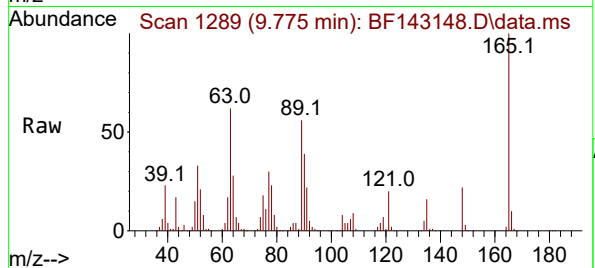
164 10.2 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 43.820 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

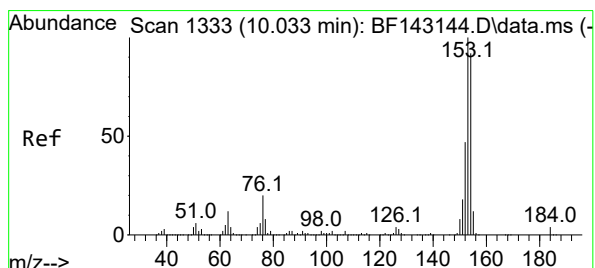
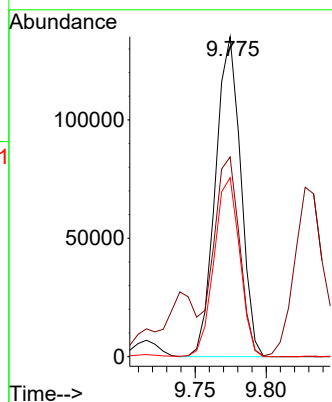
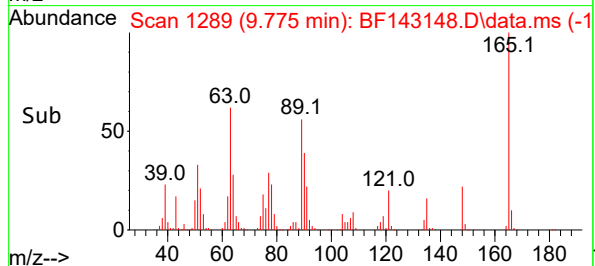
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:165 Resp: 16691
Ion Ratio Lower Upper
165 100
63 62.4 49.4 74.2
89 56.0 46.2 69.2

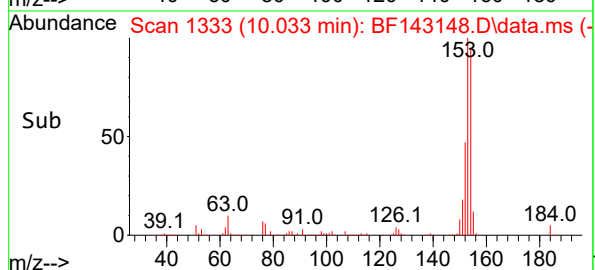
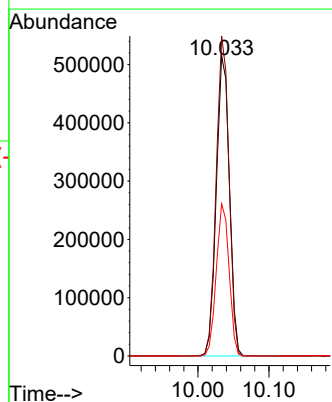
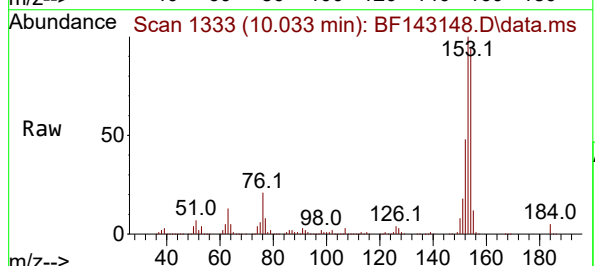
Manual Integrations
APPROVED

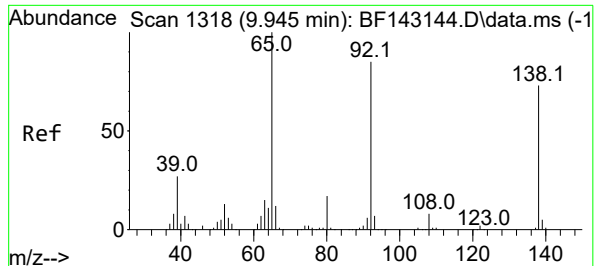
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 40.176 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:154 Resp: 659908
Ion Ratio Lower Upper
154 100
153 106.6 86.6 129.8
152 50.7 40.4 60.6





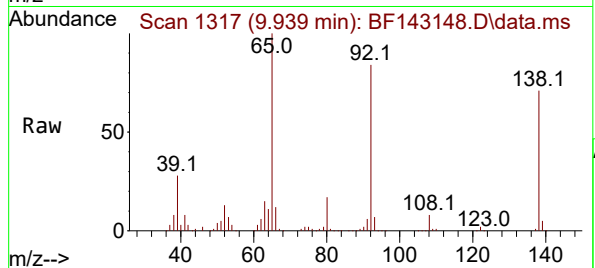
#53
3-Nitroaniline
Concen: 42.985 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

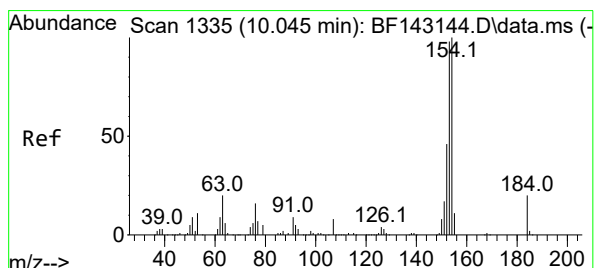
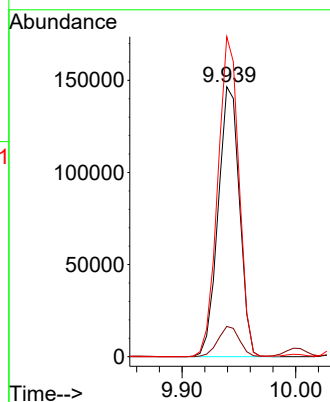
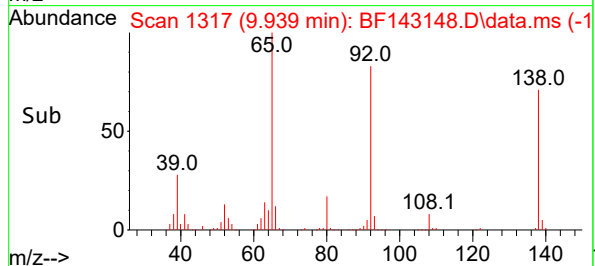


Tgt Ion:138 Resp: 191512
Ion Ratio Lower Upper
138 100
108 11.2 9.0 13.6
92 118.6 93.0 139.4

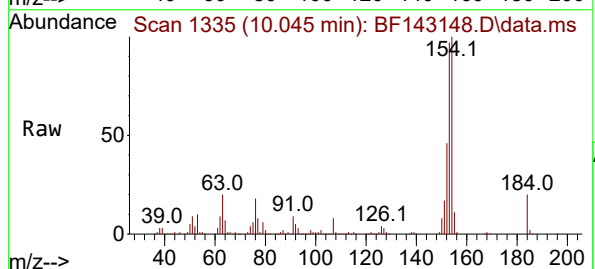
Manual Integrations

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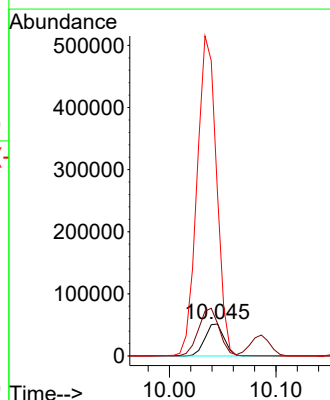
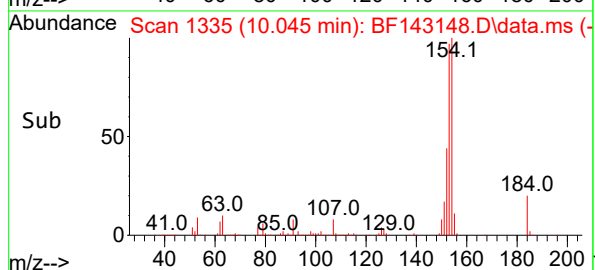
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

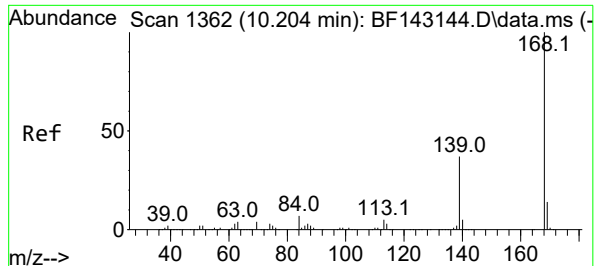


#54
2,4-Dinitrophenol
Concen: 40.998 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



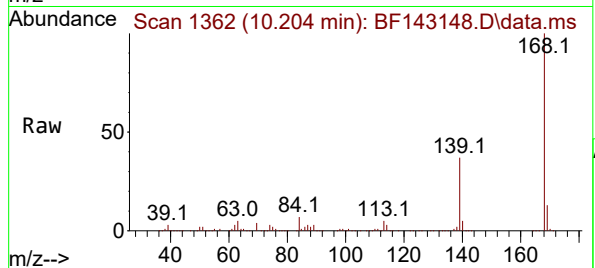
Tgt Ion:184 Resp: 64659
Ion Ratio Lower Upper
184 100
63 102.3 81.8 122.6
154 509.4 412.2 618.4





#55
Dibenzenofuran
Concen: 39.981 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

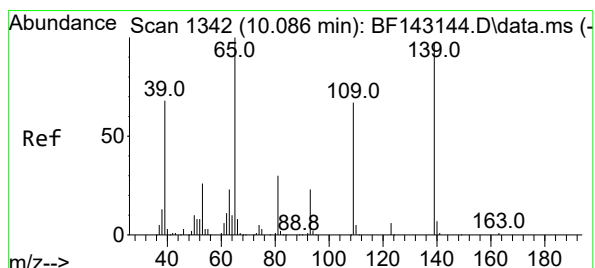
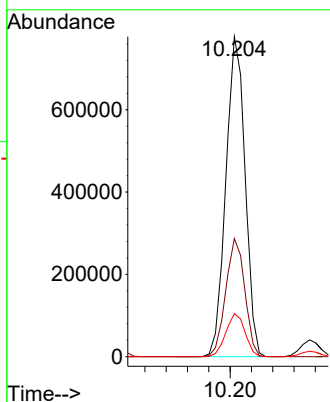
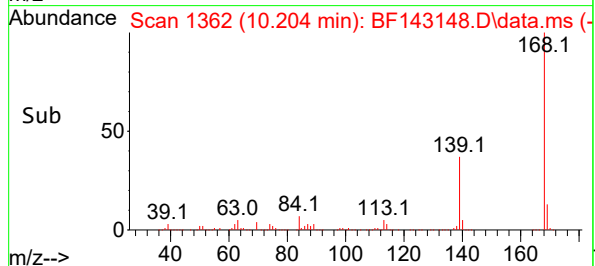
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:168 Resp: 97499
Ion Ratio Lower Upper
168 100
139 36.9 29.5 44.3
169 13.5 10.9 16.3

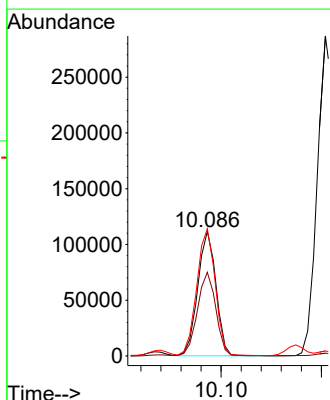
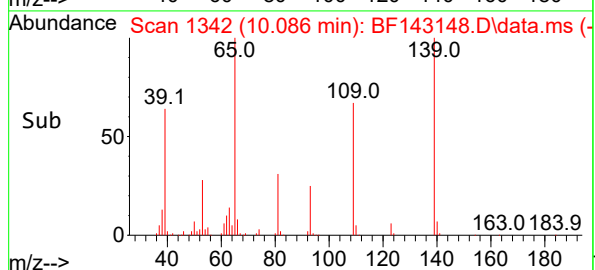
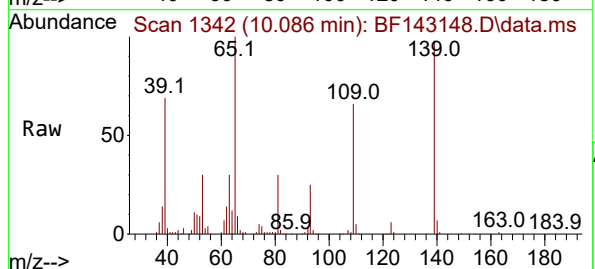
Manual Integrations
APPROVED

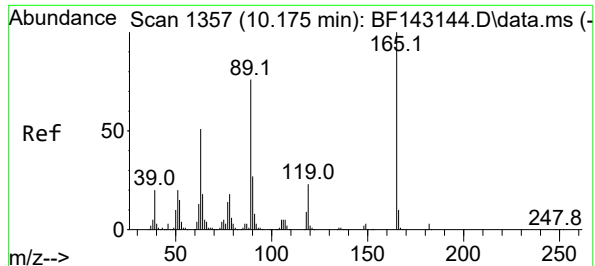
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#56
4-Nitrophenol
Concen: 42.344 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

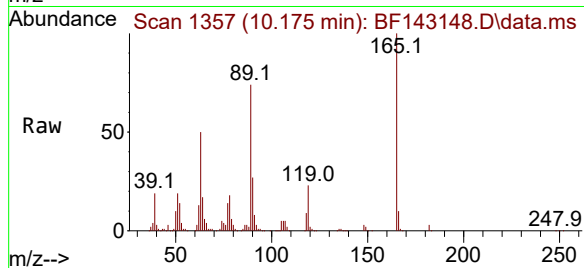
Tgt Ion:139 Resp: 140876
Ion Ratio Lower Upper
139 100
109 67.2 48.5 88.5
65 102.1 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 44.440 ng
RT: 10.175 min Scan# 1357
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

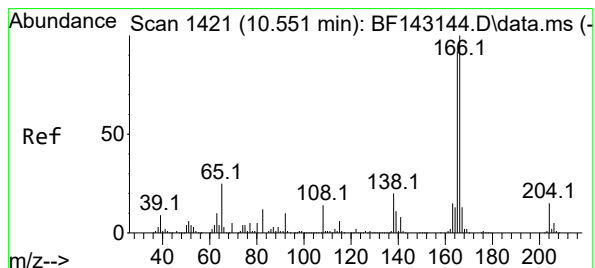
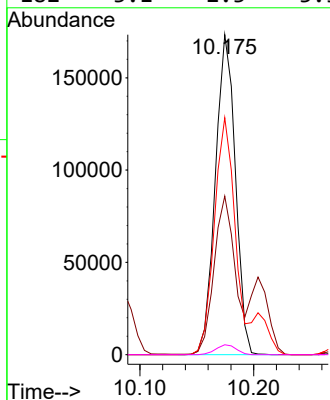
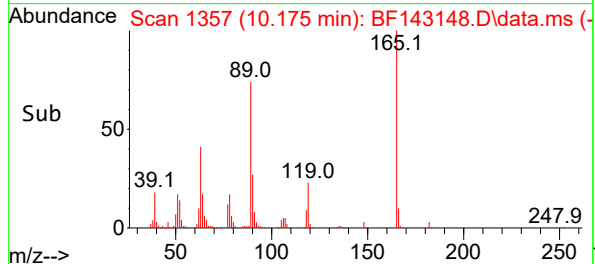
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:165 Resp: 212369
Ion Ratio Lower Upper
165 100
63 49.5 41.0 61.4
89 74.0 61.1 91.7
182 3.1 2.3 3.5

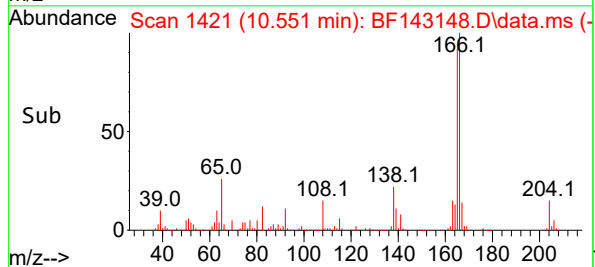
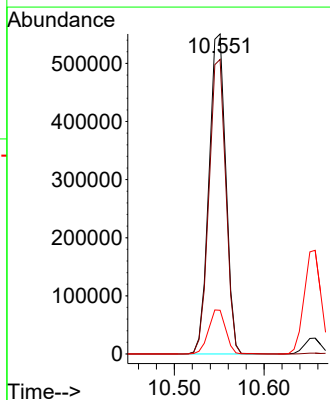
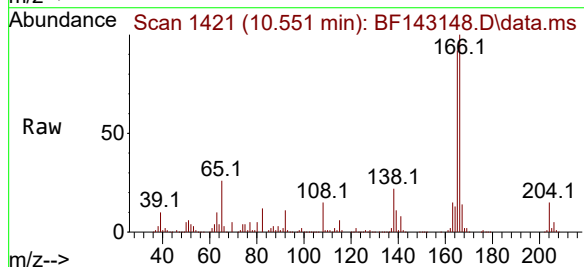
Manual Integrations
APPROVED

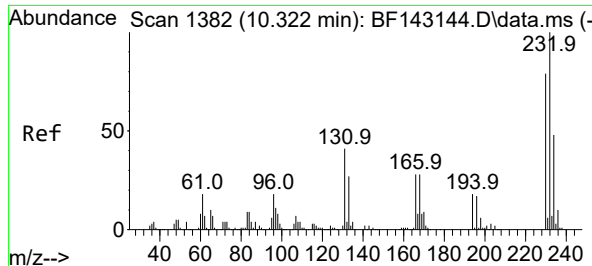
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 39.219 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

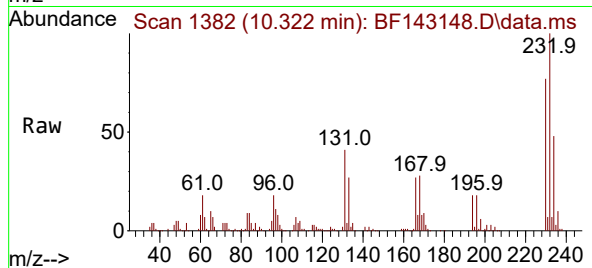
Tgt Ion:166 Resp: 717816
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.743 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

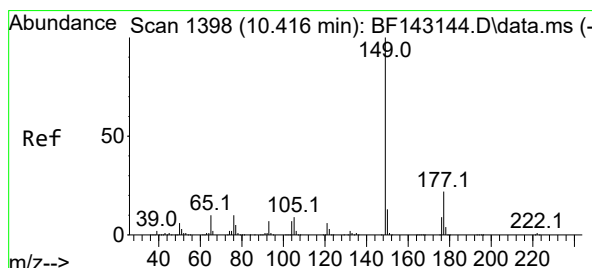
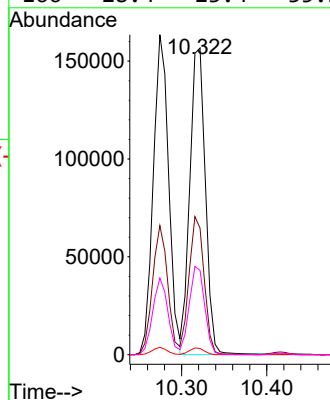
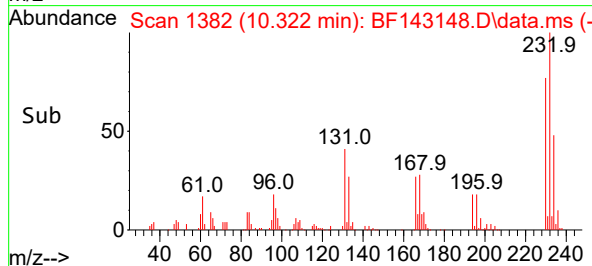
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



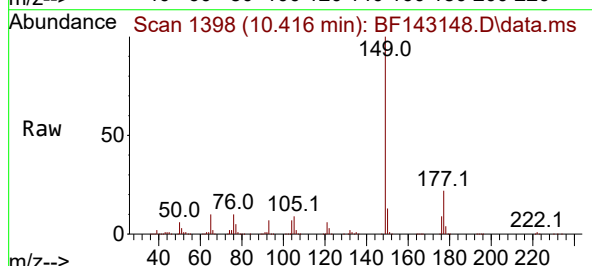
Tgt Ion:232 Resp: 198530
Ion Ratio Lower Upper
232 100
131 43.9 35.3 52.9
130 2.1 1.7 2.5
166 28.4 23.4 35.2

Manual Integrations
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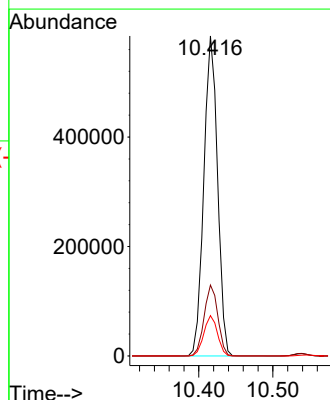
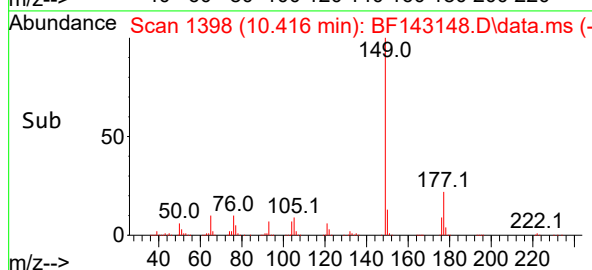
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

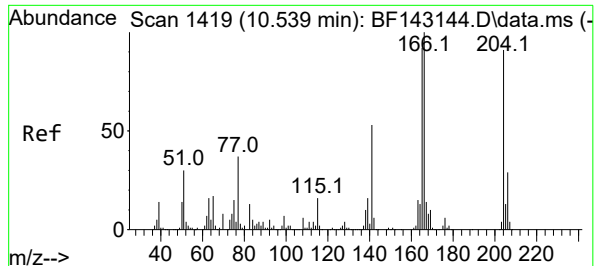


#60
Diethylphthalate
Concen: 40.729 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



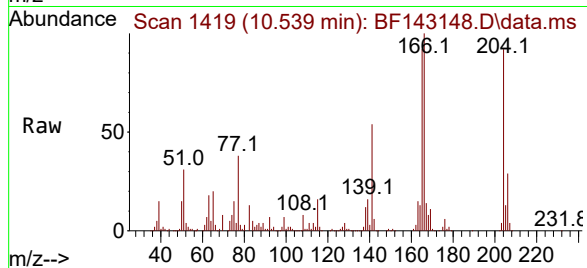
Tgt Ion:149 Resp: 753774
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.6 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 40.377 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

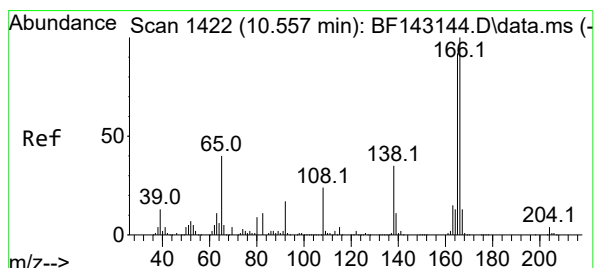
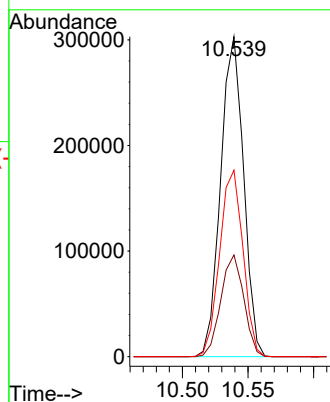
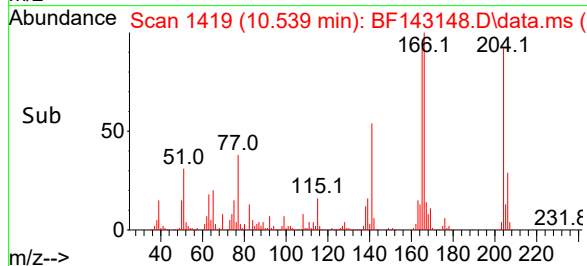
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



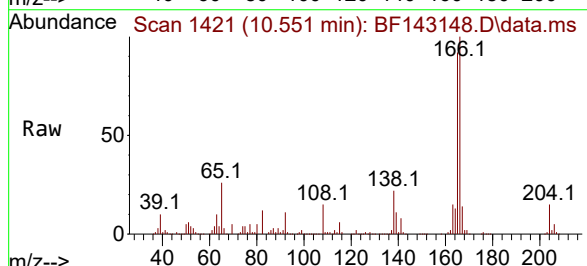
Tgt Ion:204 Resp: 36798
Ion Ratio Lower Upper
204 100
206 31.8 25.8 38.8
141 58.3 47.0 70.4

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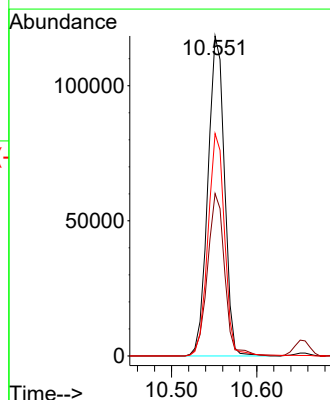
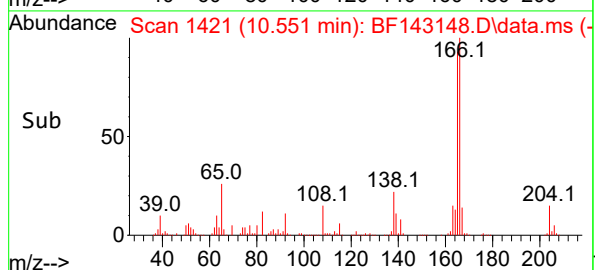
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

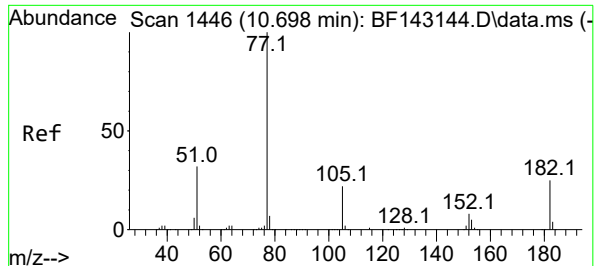


#62
4-Nitroaniline
Concen: 41.953 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



Tgt Ion:138 Resp: 160193
Ion Ratio Lower Upper
138 100
92 50.7 29.3 69.3
108 69.5 48.3 88.3





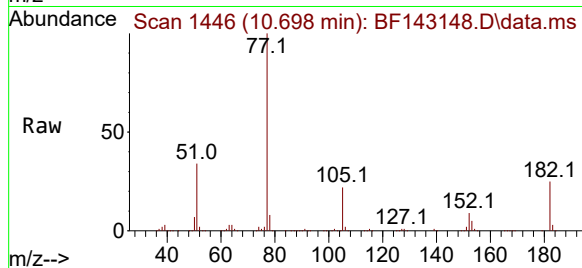
#63
Azobenzene
Concen: 40.414 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



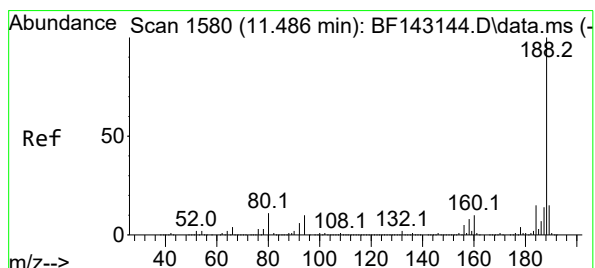
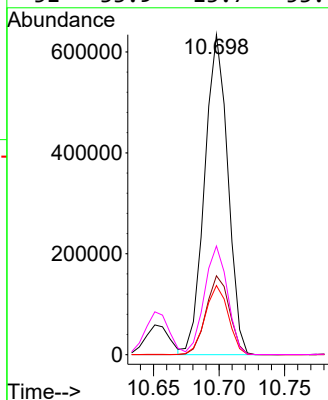
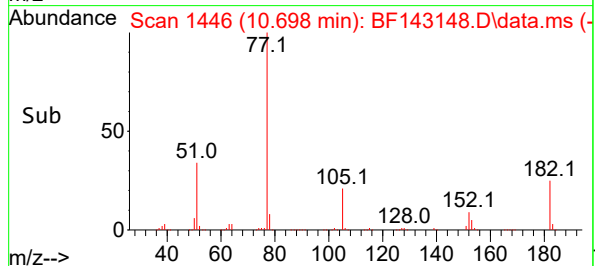
Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.6	44.6
105	21.6	1.4	41.4
51	33.9	13.7	53.7

Manual Integrations

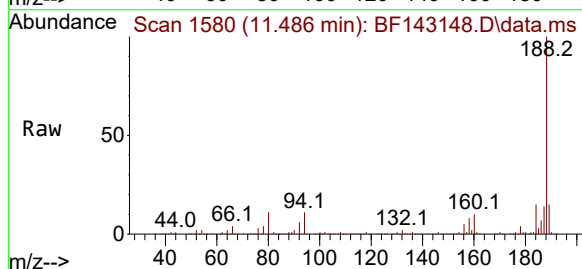
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

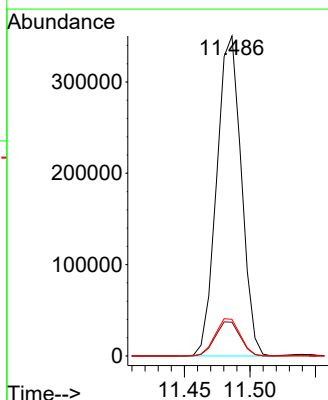
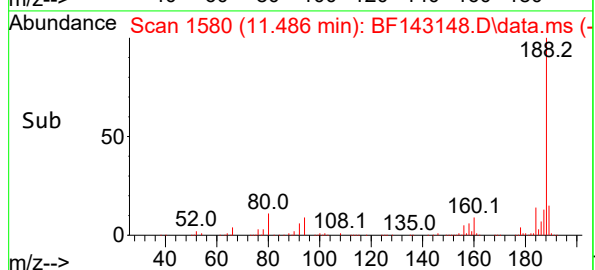
Supervised By :Jagrut Upadhyay 07/18/2025

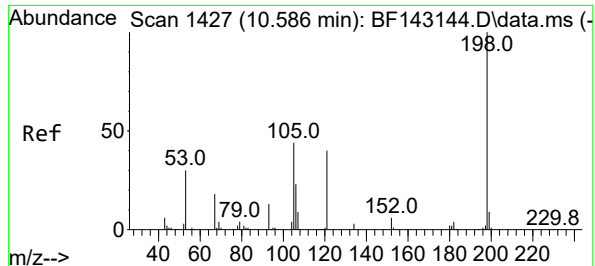


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.4	9.0	13.6





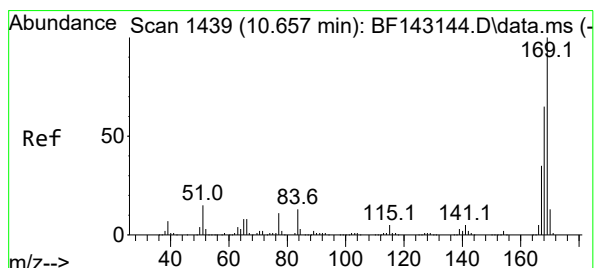
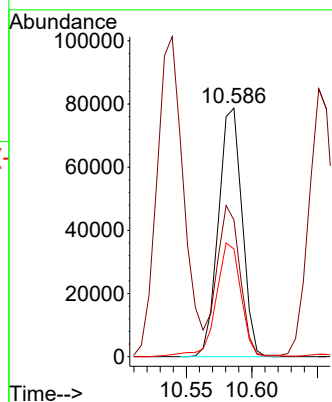
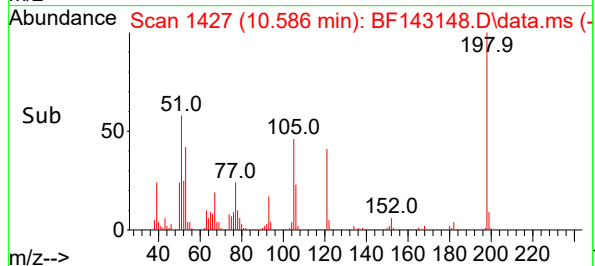
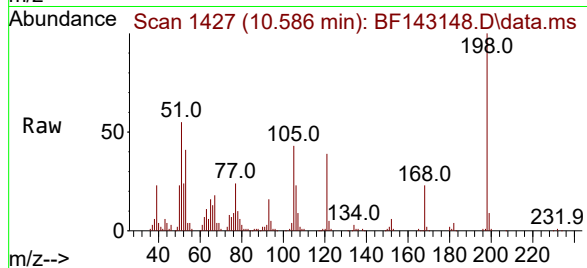
#65
4,6-Dinitro-2-methylphenol
Concen: 41.869 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:198 Resp: 98462
Ion Ratio Lower Upper
198 100
51 55.0 37.2 77.2
105 43.3 24.8 64.8

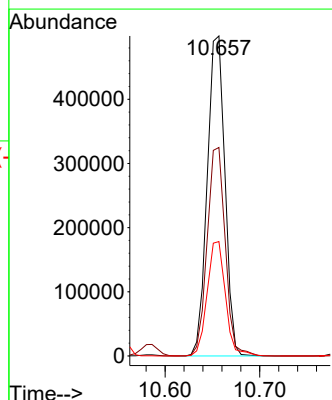
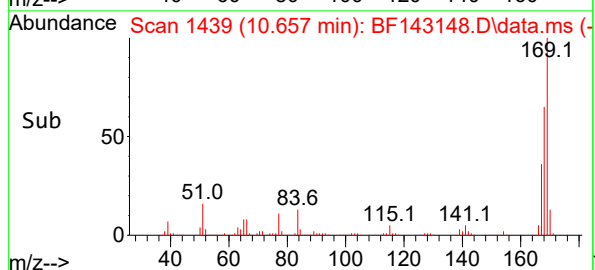
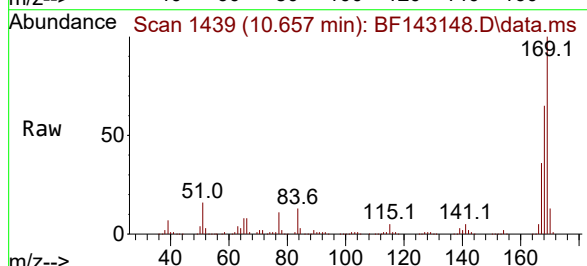
Manual Integrations
APPROVED

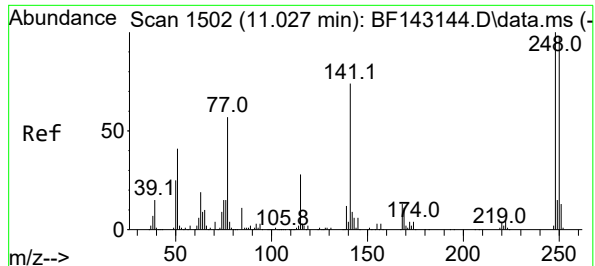
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 40.250 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

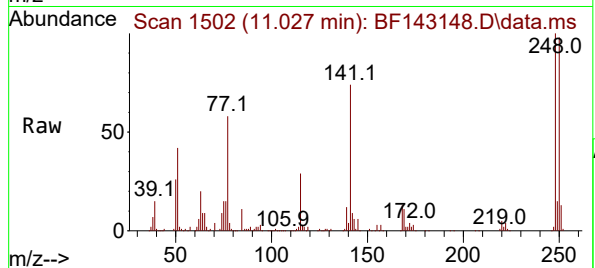
Tgt Ion:169 Resp: 647855
Ion Ratio Lower Upper
169 100
168 65.2 52.1 78.1
167 35.8 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 40.828 ng
RT: 11.027 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

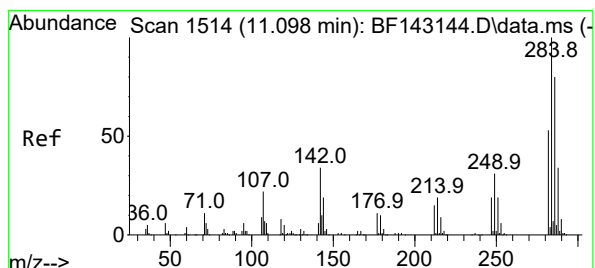
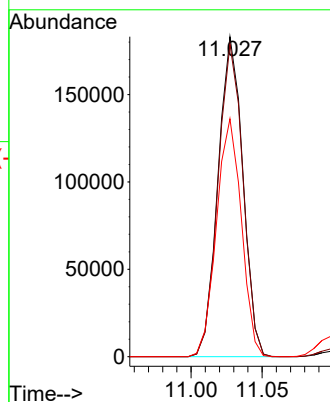
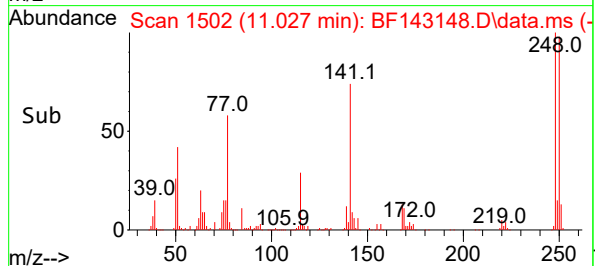
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:248 Resp: 222400
Ion Ratio Lower Upper
248 100
250 97.7 78.3 117.5
141 74.3 59.2 88.8

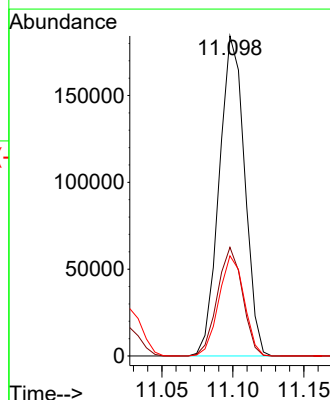
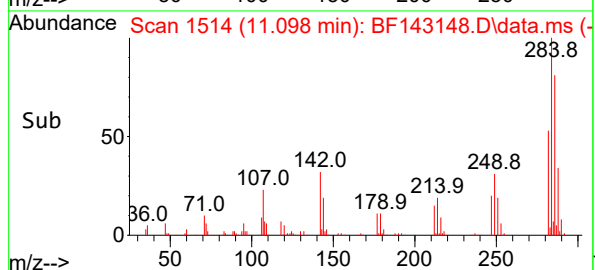
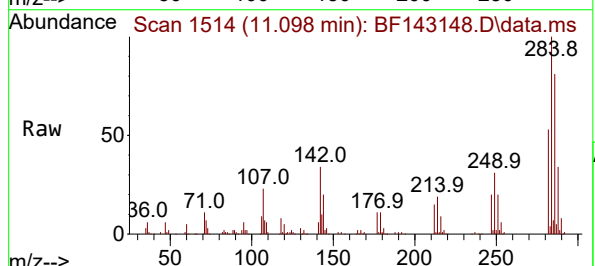
Manual Integrations
APPROVED

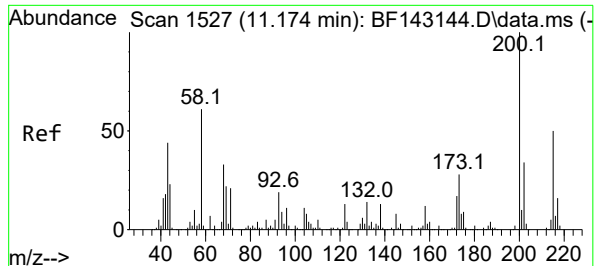
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#68
Hexachlorobenzene
Concen: 40.268 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:284 Resp: 229272
Ion Ratio Lower Upper
284 100
142 34.0 27.0 40.6
249 31.3 25.0 37.6





#69

Atrazine

Concen: 42.615 ng

RT: 11.174 min Scan# 1527

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:200 Resp: 189104

Ion Ratio Lower Upper

200 100

173 28.3 7.9 47.9

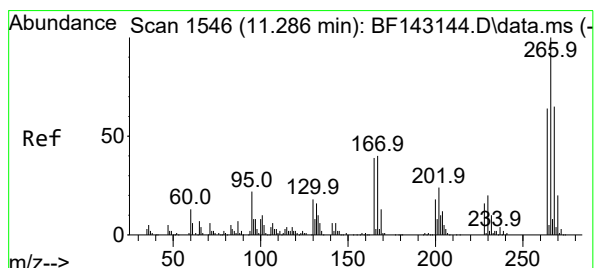
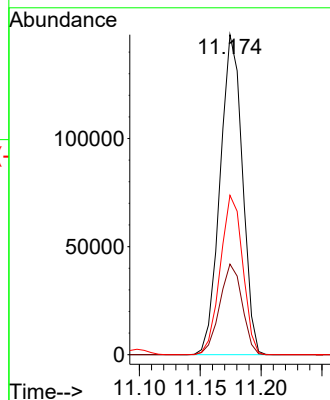
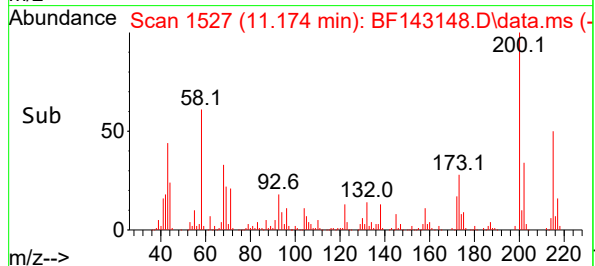
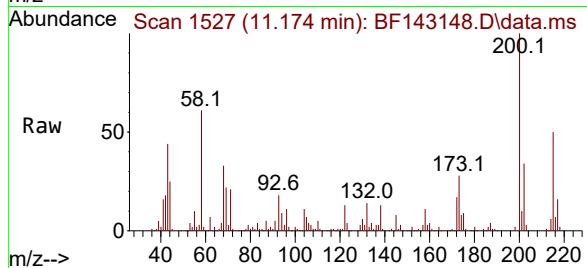
215 49.8 30.1 70.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 42.292 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

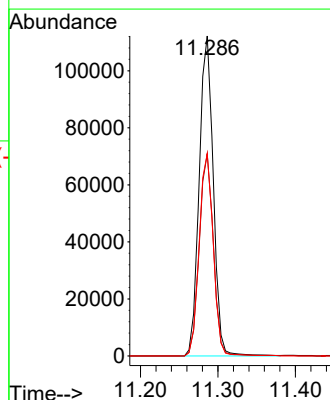
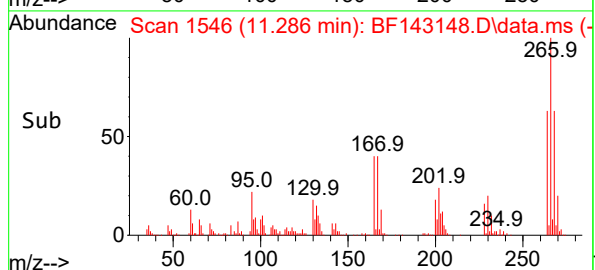
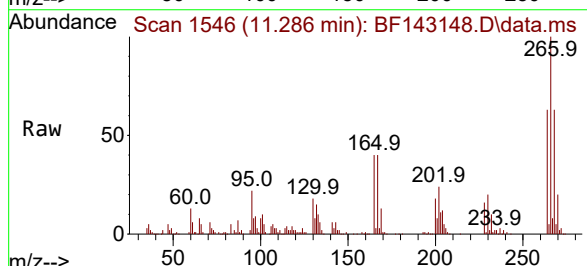
Tgt Ion:266 Resp: 141608

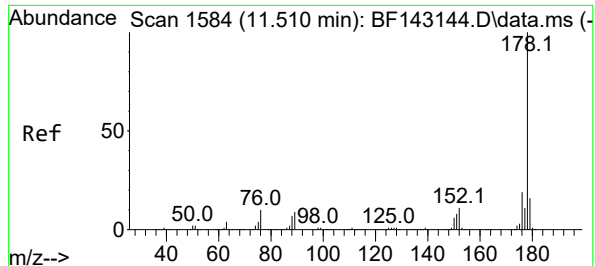
Ion Ratio Lower Upper

266 100

268 63.1 51.9 77.9

264 63.3 51.0 76.6





#71

Phenanthrene

Concen: 40.026 ng

RT: 11.510 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:178 Resp: 971448

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

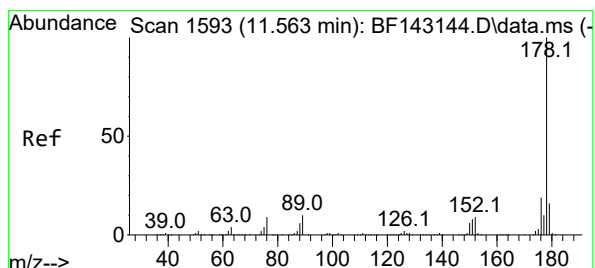
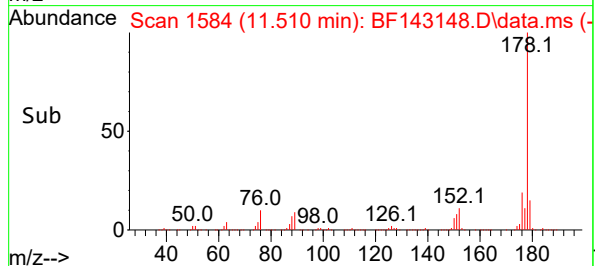
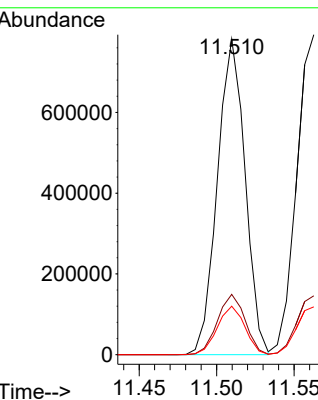
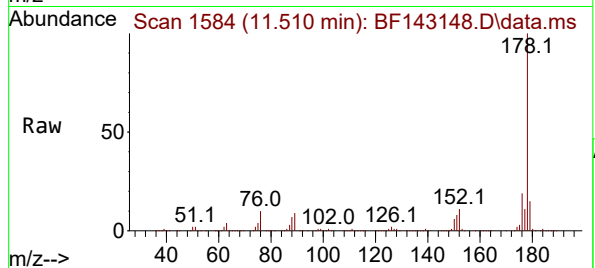
179 15.3 12.5 18.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#72

Anthracene

Concen: 40.557 ng

RT: 11.563 min Scan# 1593

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

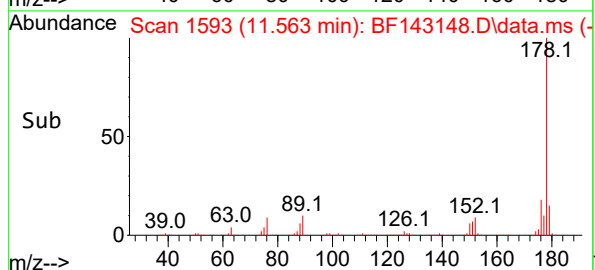
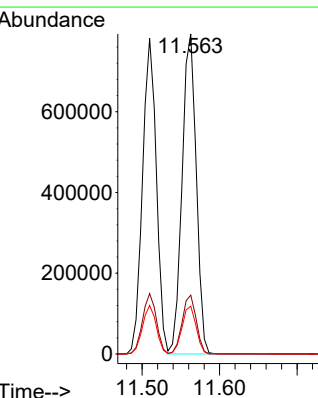
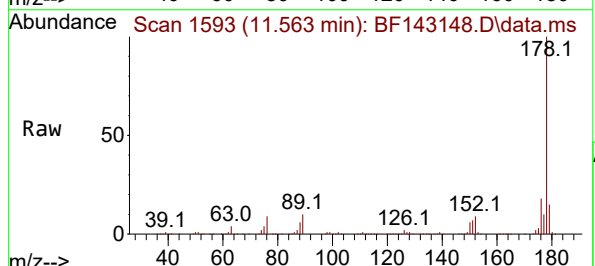
Tgt Ion:178 Resp: 1003925

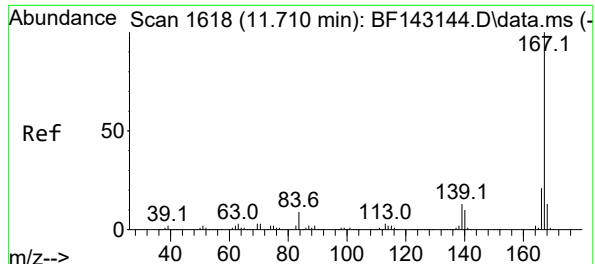
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

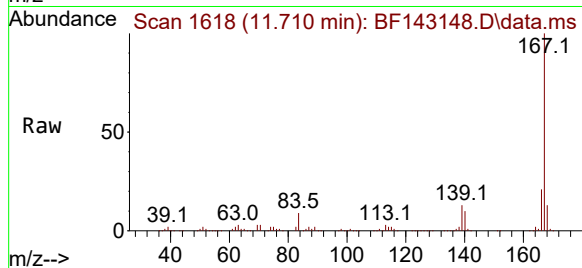
179 15.0 12.5 18.7





#73
Carbazole
Concen: 40.476 ng
RT: 11.710 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

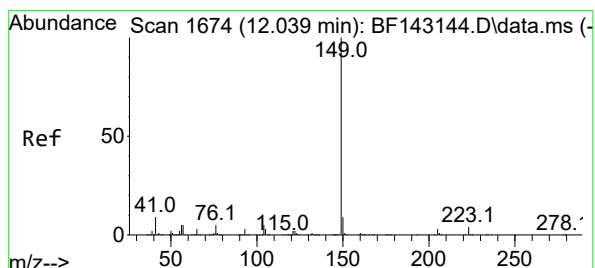
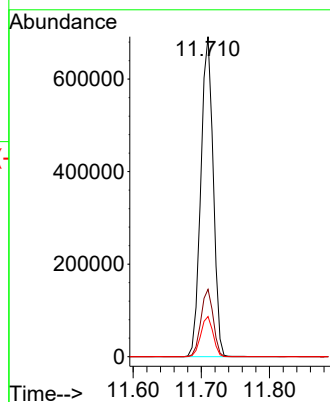
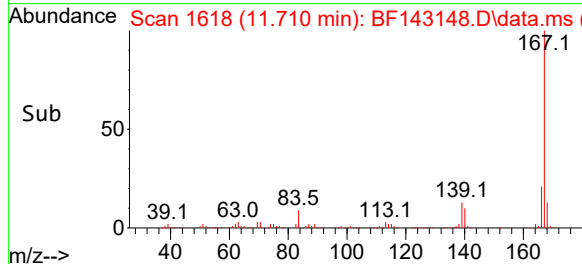
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



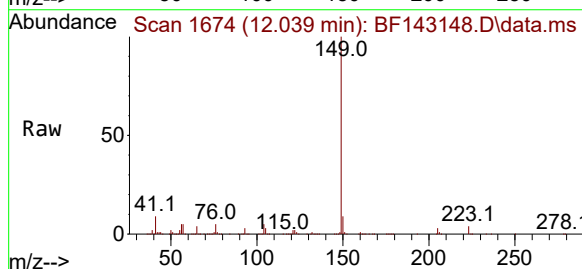
Tgt Ion:167 Resp: 87486
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.6
139 12.5 10.0 15.0

Manual Integrations
APPROVED

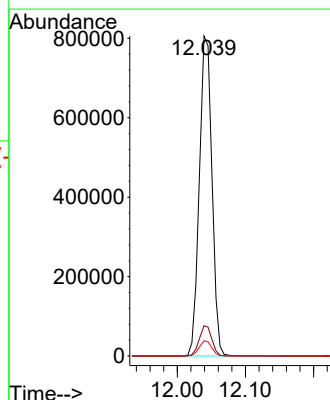
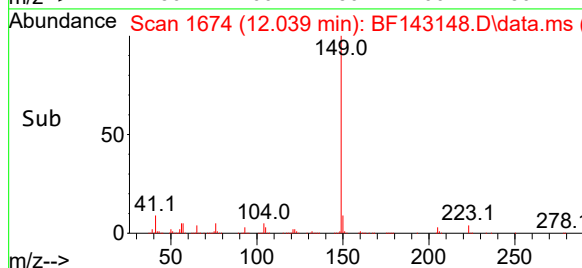
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

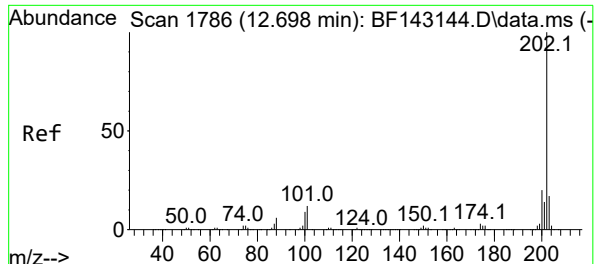


#74
Di-n-butylphthalate
Concen: 42.330 ng
RT: 12.039 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



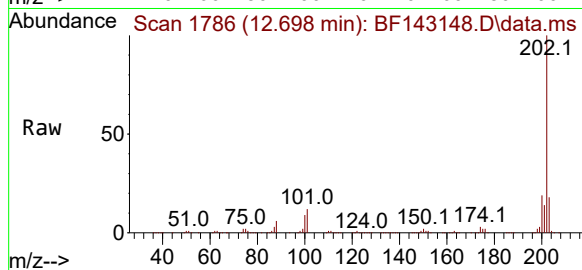
Tgt Ion:149 Resp: 1035244
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 40.836 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

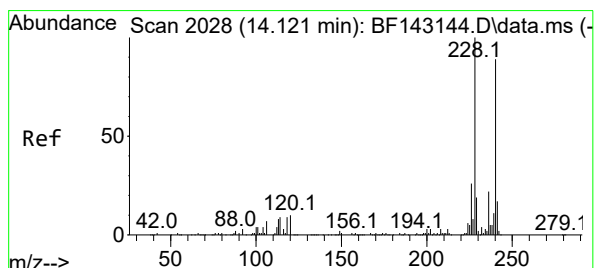
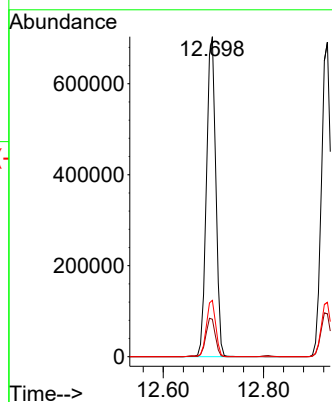
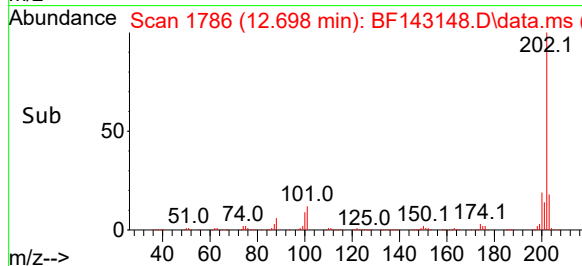
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:202 Resp: 90971
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.6 0.0 37.4

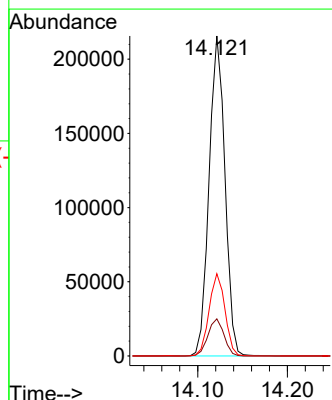
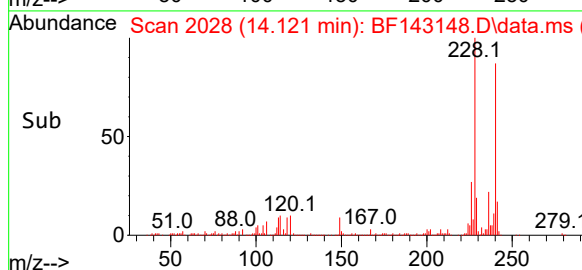
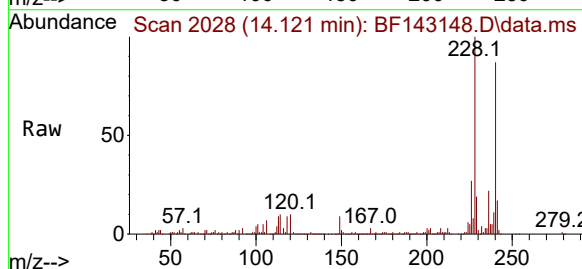
Manual Integrations
APPROVED

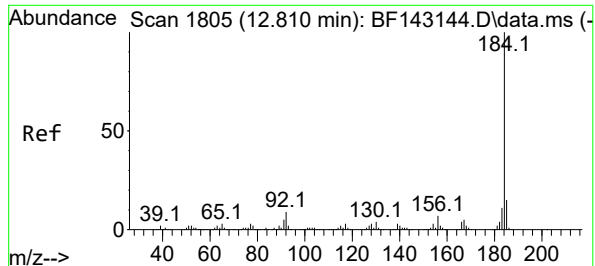
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

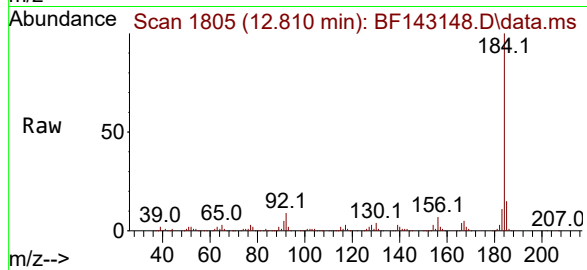
Tgt Ion:240 Resp: 265008
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 25.7 20.2 30.4





#77
Benzidine
Concen: 43.239 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

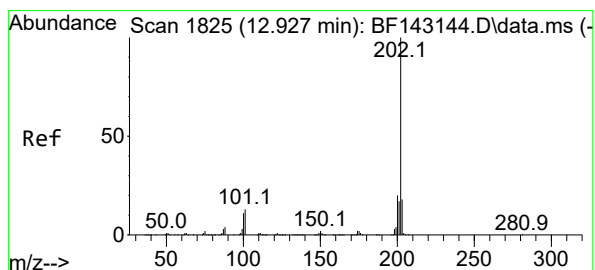
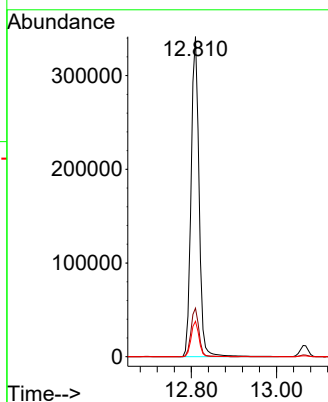
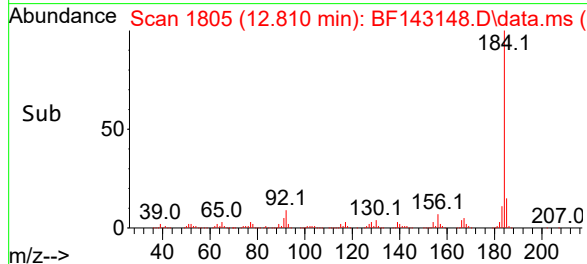
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:184 Resp: 441470
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.4
183 11.1 9.0 13.4

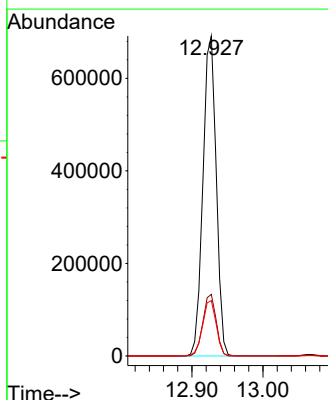
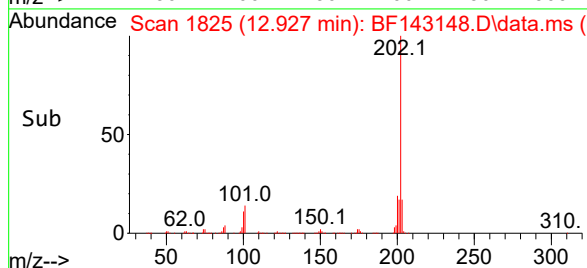
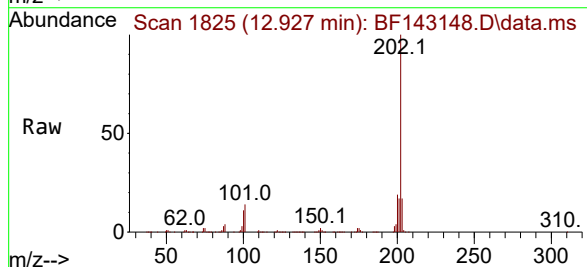
Manual Integrations
APPROVED

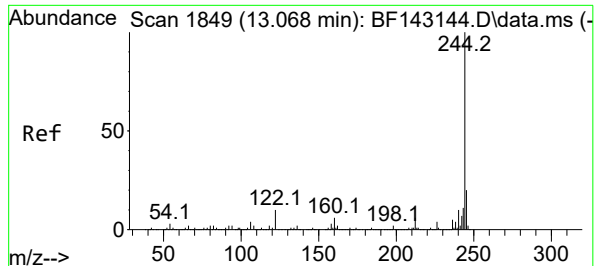
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 39.916 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:202 Resp: 902771
Ion Ratio Lower Upper
202 100
200 19.3 15.7 23.5
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 69.333 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:244 Resp: 123470

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

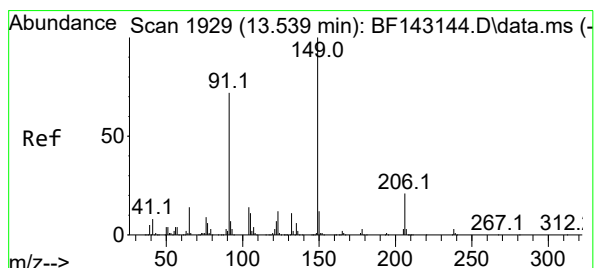
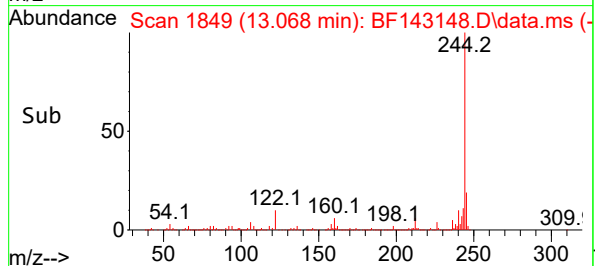
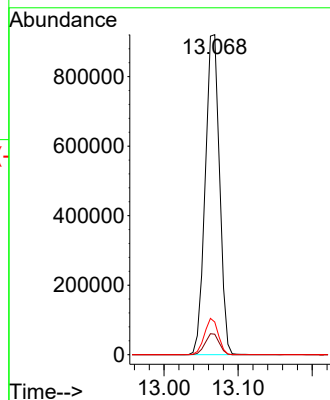
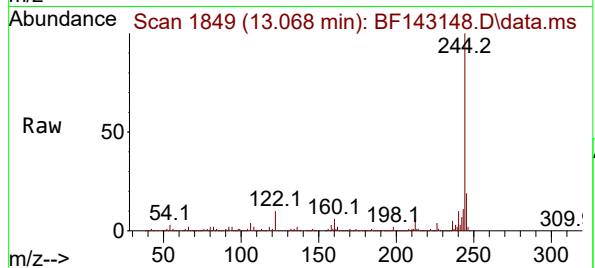
122 10.2 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 43.827 ng

RT: 13.539 min Scan# 1929

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

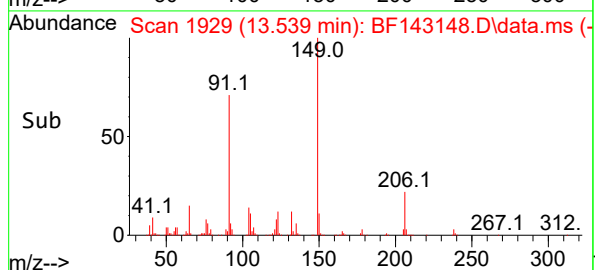
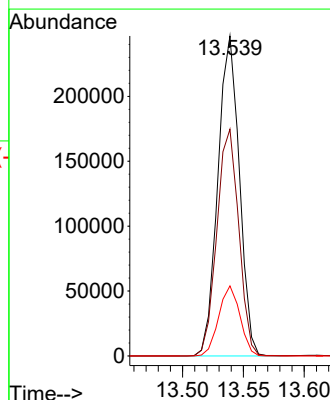
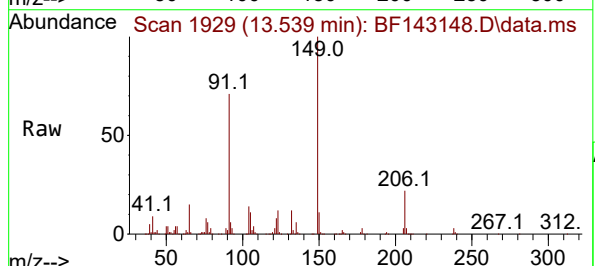
Tgt Ion:149 Resp: 303528

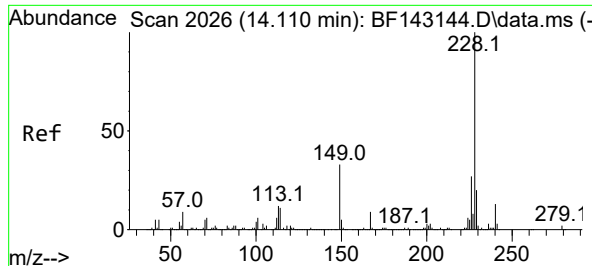
Ion Ratio Lower Upper

149 100

91 70.9 57.9 86.9

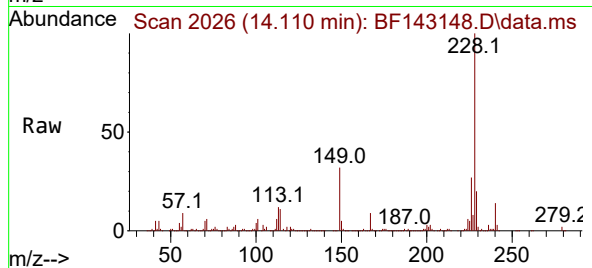
206 21.9 17.0 25.4





#81
Benzo(a)anthracene
Concen: 39.950 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

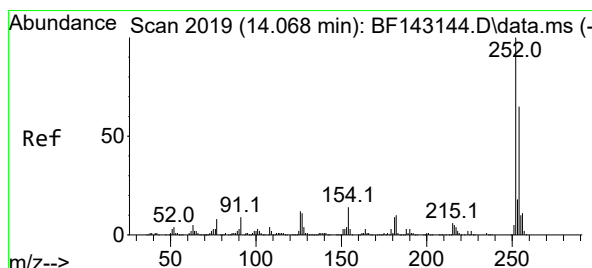
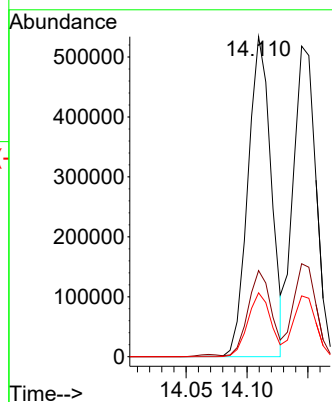
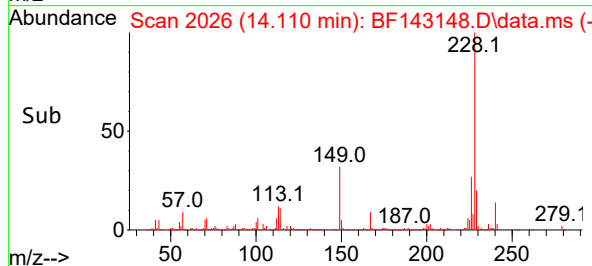
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:228 Resp: 708799
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 20.0 15.8 23.6

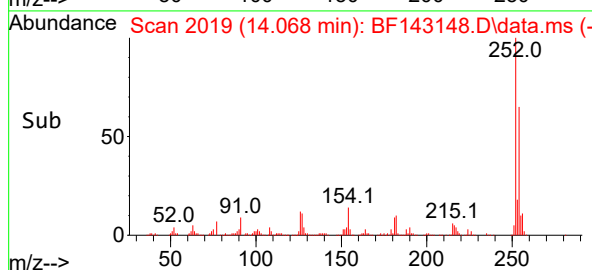
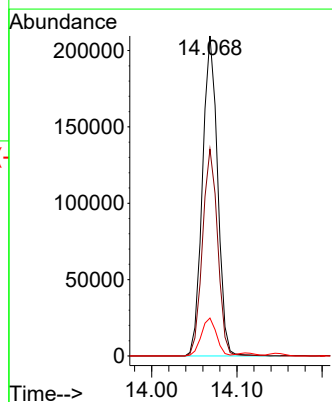
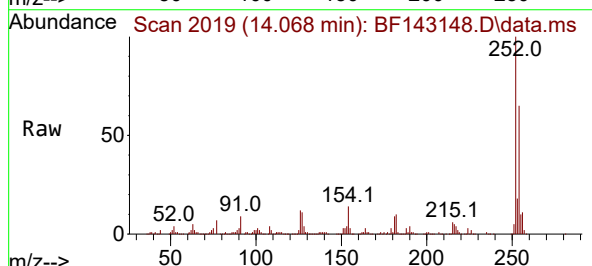
Manual Integrations
APPROVED

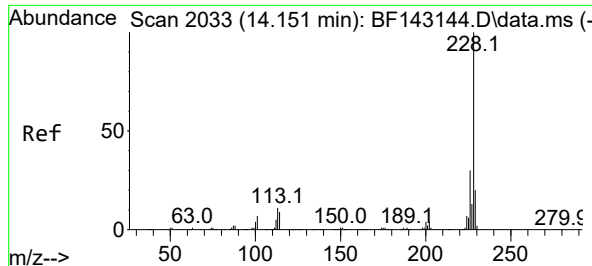
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#82
3,3'-Dichlorobenzidine
Concen: 43.772 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

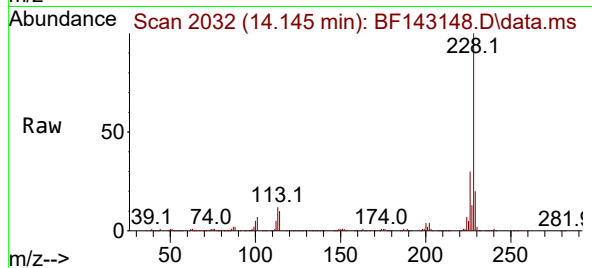
Tgt Ion:252 Resp: 258837
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 11.9 9.4 14.0





#83
Chrysene
Concen: 42.233 ng
RT: 14.145 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

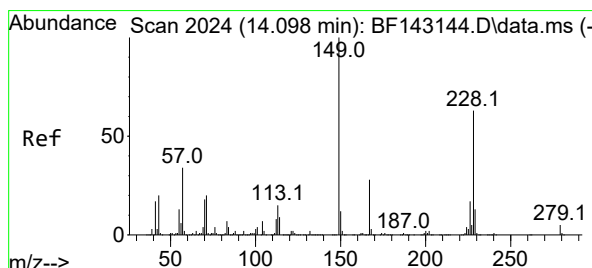
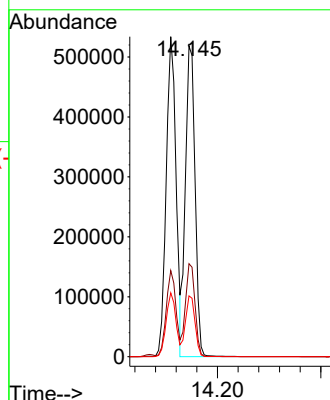
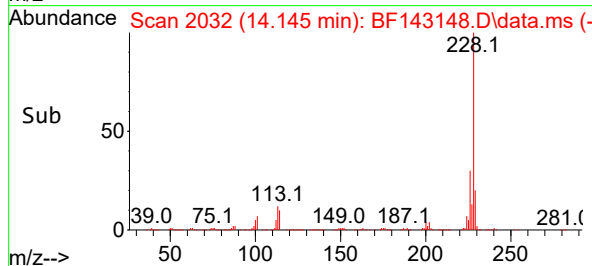
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:228 Resp: 67370
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 19.6 15.6 23.4

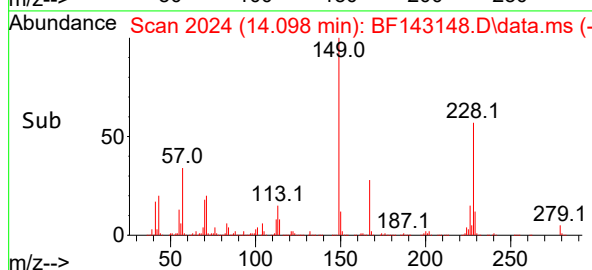
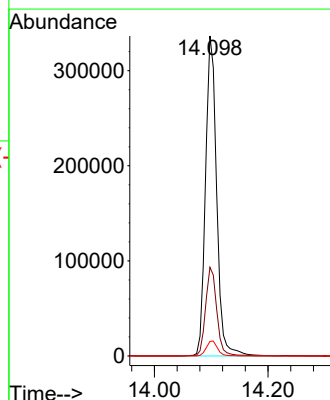
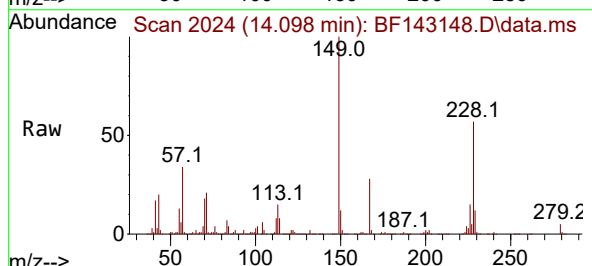
Manual Integrations
APPROVED

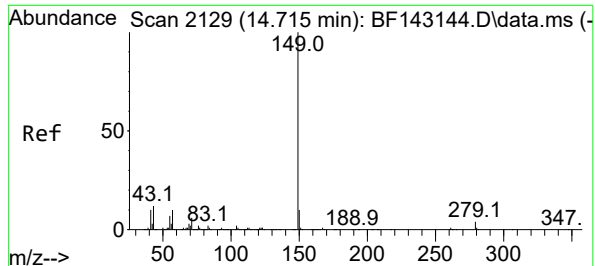
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 43.578 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

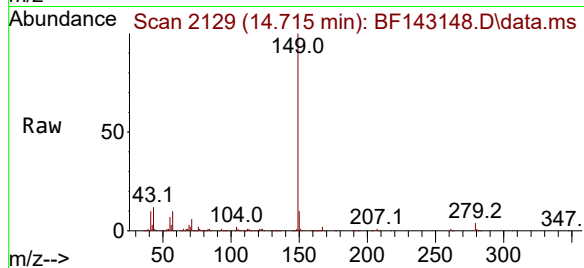
Tgt Ion:149 Resp: 456811
Ion Ratio Lower Upper
149 100
167 27.7 22.3 33.5
279 4.6 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 43.077 ng
RT: 14.715 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

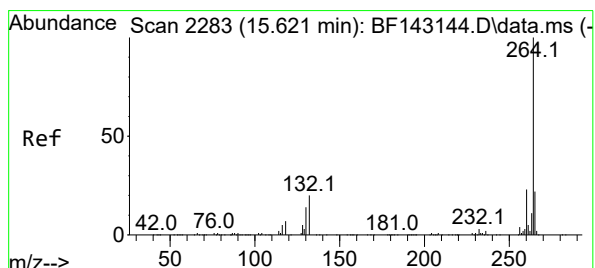
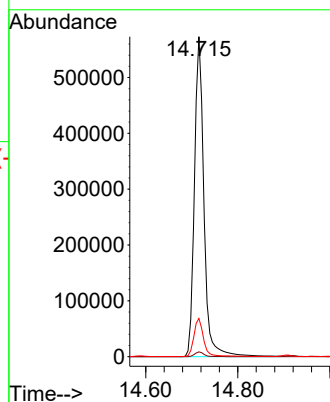
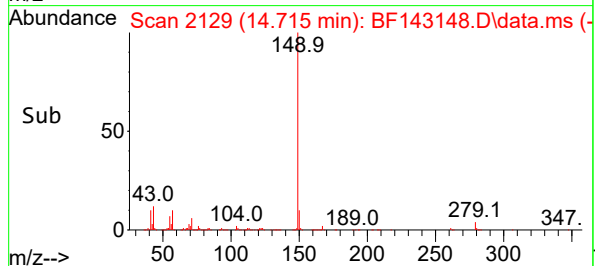
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



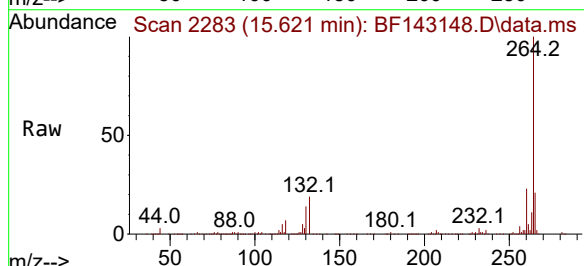
Tgt Ion:149 Resp: 818512
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.2 9.7 14.5

Manual Integrations
APPROVED

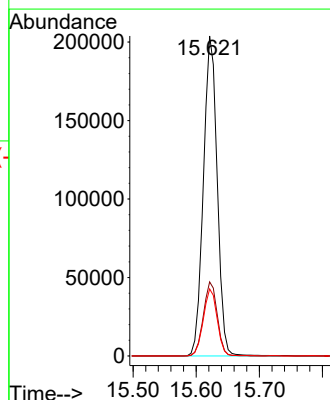
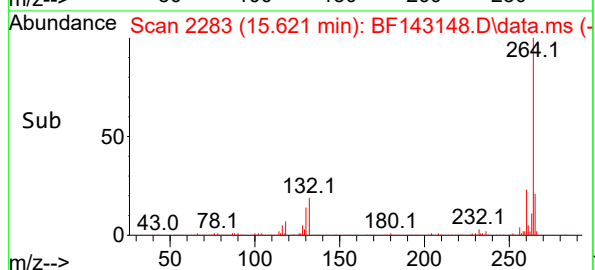
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

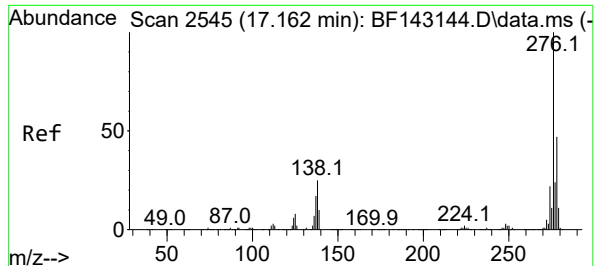


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



Tgt Ion:264 Resp: 310192
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 20.9 17.4 26.2





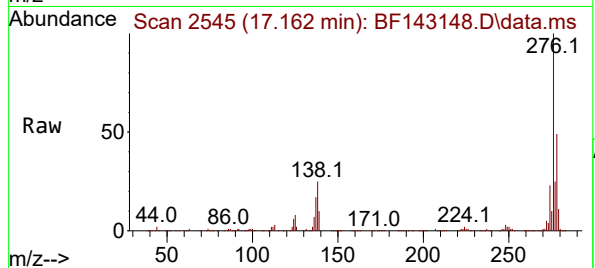
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.983 ng
RT: 17.162 min Scan# 2545
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

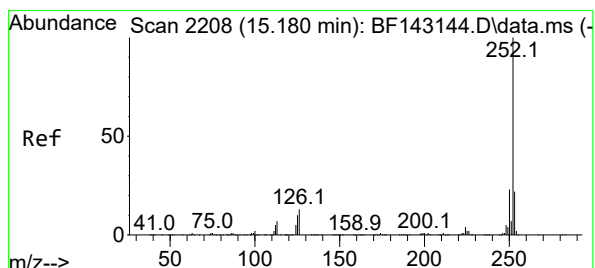
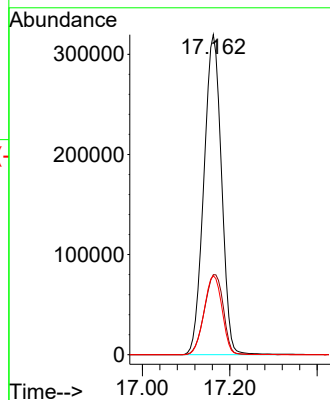
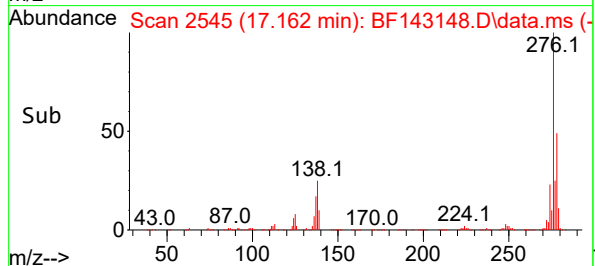


Tgt Ion:276 Resp: 896404
Ion Ratio Lower Upper
276 100
138 26.9 21.8 32.6
277 25.2 20.0 30.0

Manual Integrations

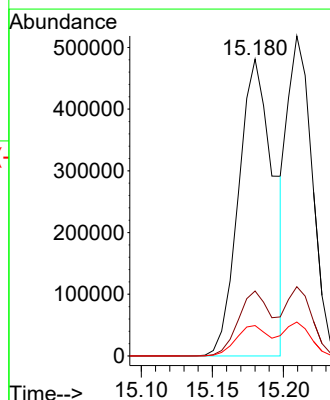
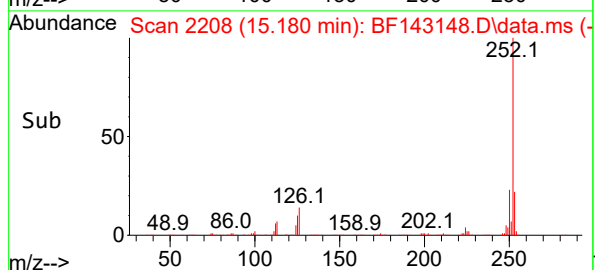
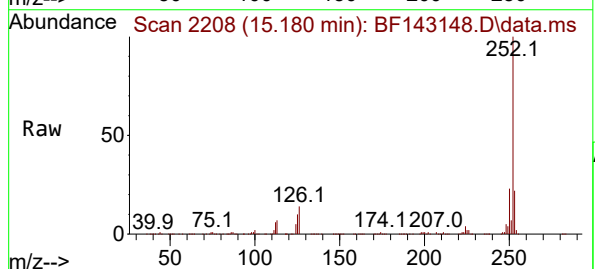
APPROVED

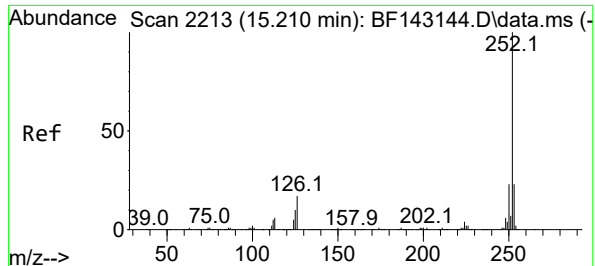
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#88
Benzo(b)fluoranthene
Concen: 43.278 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:252 Resp: 820119
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 37.531 ng

RT: 15.209 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:252 Resp: 63464

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

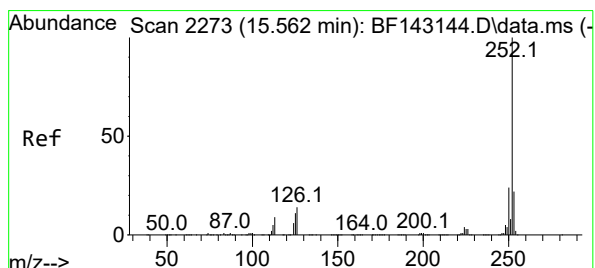
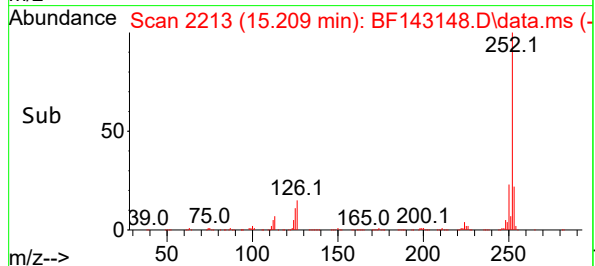
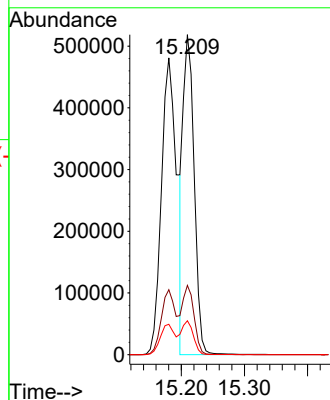
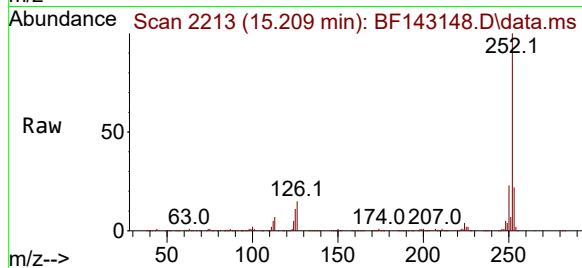
125 10.6 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 40.594 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

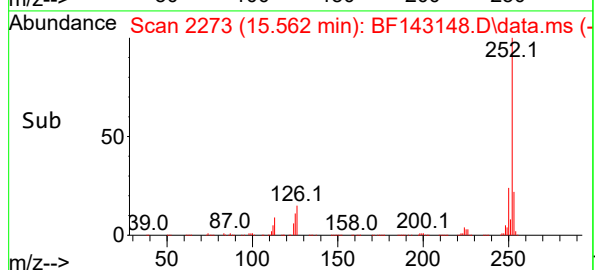
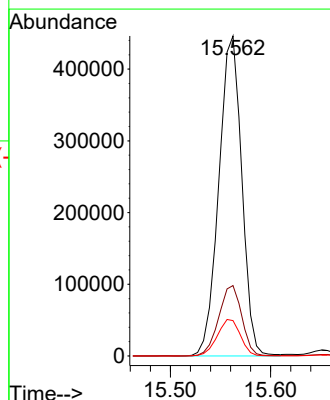
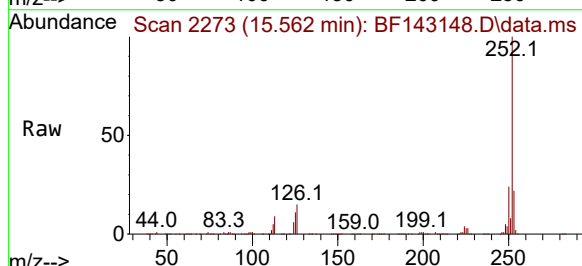
Tgt Ion:252 Resp: 708756

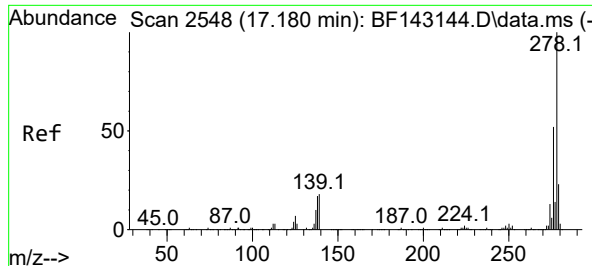
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 11.1 8.6 13.0





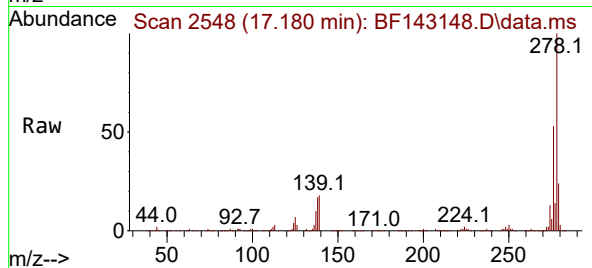
#91
Dibenzo(a,h)anthracene
Concen: 40.710 ng
RT: 17.180 min Scan# 2548
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

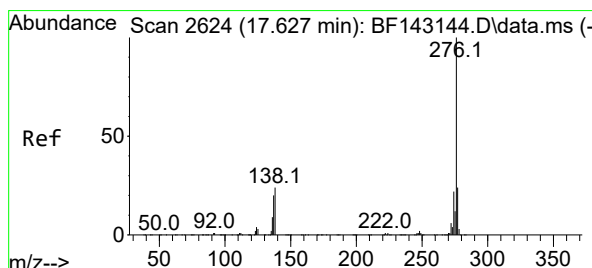
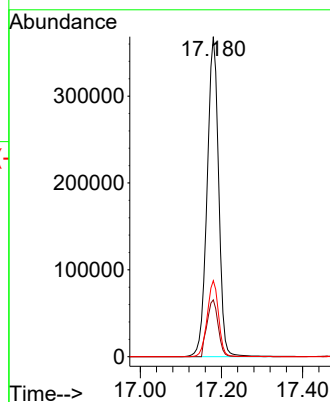
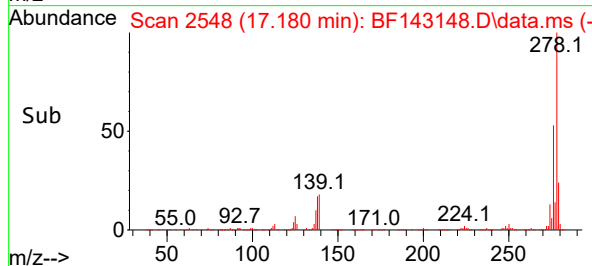


Tgt Ion:278 Resp: 724758
Ion Ratio Lower Upper
278 100
139 17.8 14.1 21.1
279 23.8 18.6 28.0

Manual Integrations

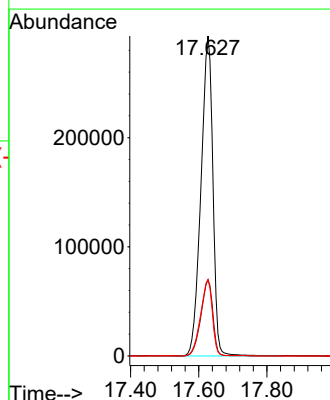
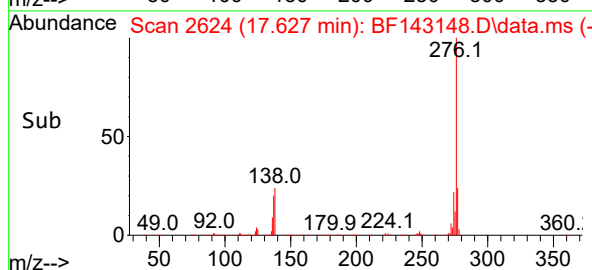
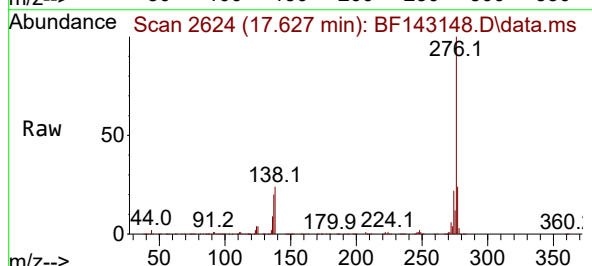
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 41.394 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:276 Resp: 712864
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 23.9 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	86	0.00
2	1,4-Dioxane	0.598	0.576	3.7	83	-0.03
3	Pyridine	1.552	1.576	-1.5	89	-0.02
4	n-Nitrosodimethylamine	0.801	0.817	-2.0	87	-0.02
5 S	2-Fluorophenol	1.264	1.219	3.6	85	0.00
6	Aniline	2.217	2.277	-2.7	89	0.00
7 S	Phenol-d6	1.591	1.554	2.3	86	0.00
8	2-Chlorophenol	1.325	1.375	-3.8	90	0.00
9	Benzaldehyde	1.193	1.117	6.4	67	0.00
10 C	Phenol	1.733	1.769	-2.1	89	0.00
11	bis(2-Chloroethyl)ether	1.327	1.348	-1.6	89	0.00
12	1,3-Dichlorobenzene	1.439	1.454	-1.0	89	0.00
13 C	1,4-Dichlorobenzene	1.449	1.476	-1.9	90	0.00
14	1,2-Dichlorobenzene	1.378	1.430	-3.8	92	0.00
15	Benzyl Alcohol	1.215	1.274	-4.9	90	0.00
16	2,2'-oxybis(1-Chloropropane	2.461	2.545	-3.4	91	0.00
17	2-Methylphenol	1.114	1.153	-3.5	91	0.00
18	Hexachloroethane	0.502	0.526	-4.8	92	0.00
19 P	n-Nitroso-di-n-propylamine	1.021	1.029	-0.8	90	0.00
20	3+4-Methylphenols	1.351	1.432	-6.0	92	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	87	0.00
22	Acetophenone	0.474	0.477	-0.6	91	0.00
23 S	Nitrobenzene-d5	0.401	0.362	9.7	79	0.00
24	Nitrobenzene	0.374	0.390	-4.3	91	0.00
25	Isophorone	0.708	0.718	-1.4	91	0.00
26 C	2-Nitrophenol	0.162	0.182	-12.3	93	0.00
27	2,4-Dimethylphenol	0.331	0.337	-1.8	91	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.424	0.2	90	0.00
29 C	2,4-Dichlorophenol	0.279	0.285	-2.2	90	0.00
30	1,2,4-Trichlorobenzene	0.302	0.306	-1.3	91	0.00
31	Naphthalene	0.985	0.989	-0.4	90	0.00
32	Benzoic acid	0.169	0.181	-7.1	88	0.00
33	4-Chloroaniline	0.402	0.409	-1.7	91	0.00
34 C	Hexachlorobutadiene	0.184	0.190	-3.3	92	0.00
35	Caprolactam	0.084	0.086	-2.4	87	0.00
36 C	4-Chloro-3-methylphenol	0.303	0.308	-1.7	89	0.00
37	2-Methylnaphthalene	0.599	0.604	-0.8	91	0.00
38	1-Methylnaphthalene	0.617	0.628	-1.8	91	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
40	1,2,4,5-Tetrachlorobenzene	0.577	0.591	-2.4	93	0.00
41 P	Hexachlorocyclopentadiene	0.376	0.403	-7.2	93	0.00
42 S	2,4,6-Tribromophenol	0.207	0.207	0.0	85	0.00
43 C	2,4,6-Trichlorophenol	0.400	0.402	-0.5	91	0.00
44	2,4,5-Trichlorophenol	0.400	0.430	-7.5	92	0.00
45 S	2-Fluorobiphenyl	1.462	1.261	13.7	80	0.00
46	1,1'-Biphenyl	1.560	1.601	-2.6	93	0.00
47	2-Chloronaphthalene	1.155	1.160	-0.4	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	0.362	0.396	-9.4	91	0.00
49	Acenaphthylene	1.935	1.936	-0.1	90	0.00
50	Dimethylphthalate	1.304	1.311	-0.5	89	0.00
51	2,6-Dinitrotoluene	0.265	0.291	-9.8	91	0.00
52 C	Acenaphthene	1.144	1.149	-0.4	91	0.00
53	3-Nitroaniline	0.310	0.333	-7.4	91	0.00
54 P	2,4-Dinitrophenol	0.098	0.113	-15.3	93	0.00
55	Dibenzofuran	1.698	1.697	0.1	90	0.00
56 P	4-Nitrophenol	0.232	0.245	-5.6	86	0.00
57	2,4-Dinitrotoluene	0.333	0.370	-11.1	90	0.00
58	Fluorene	1.274	1.249	2.0	89	0.00
59	2,3,4,6-Tetrachlorophenol	0.331	0.346	-4.5	90	0.00
60	Diethylphthalate	1.289	1.312	-1.8	90	0.00
61	4-Chlorophenyl-phenylether	0.635	0.641	-0.9	91	0.00
62	4-Nitroaniline	0.266	0.279	-4.9	86	0.00
63	Azobenzene	1.343	1.357	-1.0	89	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	0.094	0.108	-14.9	93	0.00
66 c	n-Nitrosodiphenylamine	0.704	0.709	-0.7	89	0.00
67	4-Bromophenyl-phenylether	0.238	0.243	-2.1	90	0.00
68	Hexachlorobenzene	0.249	0.251	-0.8	88	0.00
69	Atrazine	0.194	0.207	-6.7	89	0.00
70 C	Pentachlorophenol	0.147	0.155	-5.4	88	0.00
71	Phenanthrene	1.062	1.063	-0.1	88	0.00
72	Anthracene	1.083	1.098	-1.4	89	0.00
73	Carbazole	0.946	0.957	-1.2	87	0.00
74	Di-n-butylphthalate	1.070	1.132	-5.8	89	0.00
75 C	Fluoranthene	0.975	0.995	-2.1	88	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	89	0.00
77	Benzidine	0.771	0.833	-8.0	78	0.00
78	Pyrene	1.707	1.703	0.2	89	0.00
79 S	Terphenyl-d14	1.344	1.165	13.3	79	0.00
80	Butylbenzylphthalate	0.523	0.573	-9.6	94	0.00
81	Benzo(a)anthracene	1.339	1.337	0.1	93	0.00
82	3,3'-Dichlorobenzidine	0.446	0.488	-9.4	102	0.00
83	Chrysene	1.204	1.271	-5.6	94	0.00
84	Bis(2-ethylhexyl)phthalate	0.791	0.862	-9.0	98	0.00
85 c	Di-n-octyl phthalate	1.434	1.544	-7.7	100	0.00
86 I	Perylene-d12	1.000	1.000	0.0	96	0.00
87	Indeno(1,2,3-cd)pyrene	1.410	1.445	-2.5	98	0.00
88	Benzo(b)fluoranthene	1.222	1.322	-8.2	110	0.00
89	Benzo(k)fluoranthene	1.090	1.023	6.1	87	0.00
90 C	Benzo(a)pyrene	1.126	1.142	-1.4	98	0.00
91	Dibenzo(a,h)anthracene	1.148	1.168	-1.7	98	0.00
92	Benzo(g,h,i)perylene	1.110	1.149	-3.5	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	86	0.00
2	1,4-Dioxane	40.000	38.496	3.8	83	-0.03
3	Pyridine	40.000	40.604	-1.5	89	-0.02
4	n-Nitrosodimethylamine	40.000	40.802	-2.0	87	-0.02
5 S	2-Fluorophenol	80.000	77.143	3.6	85	0.00
6	Aniline	40.000	41.078	-2.7	89	0.00
7 S	Phenol-d6	80.000	78.133	2.3	86	0.00
8	2-Chlorophenol	40.000	41.530	-3.8	90	0.00
9	Benzaldehyde	40.000	37.441	6.4	67	0.00
10 C	Phenol	40.000	40.827	-2.1	89	0.00
11	bis(2-Chloroethyl)ether	40.000	40.628	-1.6	89	0.00
12	1,3-Dichlorobenzene	40.000	40.400	-1.0	89	0.00
13 C	1,4-Dichlorobenzene	40.000	40.731	-1.8	90	0.00
14	1,2-Dichlorobenzene	40.000	41.506	-3.8	92	0.00
15	Benzyl Alcohol	40.000	41.958	-4.9	90	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.357	-3.4	91	0.00
17	2-Methylphenol	40.000	41.398	-3.5	91	0.00
18	Hexachloroethane	40.000	41.903	-4.8	92	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.342	-0.9	90	0.00
20	3+4-Methylphenols	40.000	42.387	-6.0	92	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	87	0.00
22	Acetophenone	40.000	40.260	-0.6	91	0.00
23 S	Nitrobenzene-d5	80.000	72.247	9.7	79	0.00
24	Nitrobenzene	40.000	41.731	-4.3	91	0.00
25	Isophorone	40.000	40.567	-1.4	91	0.00
26 C	2-Nitrophenol	40.000	44.896	-12.2	93	0.00
27	2,4-Dimethylphenol	40.000	40.773	-1.9	91	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.939	0.2	90	0.00
29 C	2,4-Dichlorophenol	40.000	40.875	-2.2	90	0.00
30	1,2,4-Trichlorobenzene	40.000	40.551	-1.4	91	0.00
31	Naphthalene	40.000	40.143	-0.4	90	0.00
32	Benzoic acid	40.000	39.782	0.5	88	0.00
33	4-Chloroaniline	40.000	40.671	-1.7	91	0.00
34 C	Hexachlorobutadiene	40.000	41.284	-3.2	92	0.00
35	Caprolactam	40.000	40.959	-2.4	87	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.611	-1.5	89	0.00
37	2-Methylnaphthalene	40.000	40.279	-0.7	91	0.00
38	1-Methylnaphthalene	40.000	40.712	-1.8	91	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	87	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.944	-2.4	93	0.00
41 P	Hexachlorocyclopentadiene	40.000	42.872	-7.2	93	0.00
42 S	2,4,6-Tribromophenol	80.000	79.969	0.0	85	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.253	-0.6	91	0.00
44	2,4,5-Trichlorophenol	40.000	42.989	-7.5	92	0.00
45 S	2-Fluorobiphenyl	80.000	68.992	13.8	80	0.00
46	1,1'-Biphenyl	40.000	41.053	-2.6	93	0.00
47	2-Chloronaphthalene	40.000	40.184	-0.5	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	43.723	-9.3	91	0.00
49	Acenaphthylene	40.000	40.013	-0.0	90	0.00
50	Dimethylphthalate	40.000	40.218	-0.5	89	0.00
51	2,6-Dinitrotoluene	40.000	43.820	-9.6	91	0.00
52 C	Acenaphthene	40.000	40.176	-0.4	91	0.00
53	3-Nitroaniline	40.000	42.985	-7.5	91	0.00
54 P	2,4-Dinitrophenol	40.000	40.998	-2.5	93	0.00
55	Dibenzofuran	40.000	39.981	0.0	90	0.00
56 P	4-Nitrophenol	40.000	42.344	-5.9	86	0.00
57	2,4-Dinitrotoluene	40.000	44.440	-11.1	90	0.00
58	Fluorene	40.000	39.219	2.0	89	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.743	-4.4	90	0.00
60	Diethylphthalate	40.000	40.729	-1.8	90	0.00
61	4-Chlorophenyl-phenylether	40.000	40.377	-0.9	91	0.00
62	4-Nitroaniline	40.000	41.953	-4.9	86	0.00
63	Azobenzene	40.000	40.414	-1.0	89	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.869	-4.7	93	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.250	-0.6	89	0.00
67	4-Bromophenyl-phenylether	40.000	40.828	-2.1	90	0.00
68	Hexachlorobenzene	40.000	40.268	-0.7	88	0.00
69	Atrazine	40.000	42.615	-6.5	89	0.00
70 C	Pentachlorophenol	40.000	42.292	-5.7	88	0.00
71	Phenanthrene	40.000	40.026	-0.1	88	0.00
72	Anthracene	40.000	40.557	-1.4	89	0.00
73	Carbazole	40.000	40.476	-1.2	87	0.00
74	Di-n-butylphthalate	40.000	42.330	-5.8	89	0.00
75 C	Fluoranthene	40.000	40.836	-2.1	88	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	89	0.00
77	Benzydine	40.000	43.239	-8.1	78	0.00
78	Pyrene	40.000	39.916	0.2	89	0.00
79 S	Terphenyl-d14	80.000	69.333	13.3	79	0.00
80	Butylbenzylphthalate	40.000	43.827	-9.6	94	0.00
81	Benzo(a)anthracene	40.000	39.950	0.1	93	0.00
82	3,3'-Dichlorobenzidine	40.000	43.772	-9.4	102	0.00
83	Chrysene	40.000	42.233	-5.6	94	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.578	-8.9	98	0.00
85 c	Di-n-octyl phthalate	40.000	43.077	-7.7	100	0.00
86 I	Perylene-d12	20.000	20.000	0.0	96	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.983	-2.5	98	0.00
88	Benzo(b)fluoranthene	40.000	43.278	-8.2	110	0.00
89	Benzo(k)fluoranthene	40.000	37.531	6.2	87	0.00
90 C	Benzo(a)pyrene	40.000	40.594	-1.5	98	0.00
91	Dibenzo(a,h)anthracene	40.000	40.710	-1.8	98	0.00
92	Benzo(g,h,i)perylene	40.000	41.394	-3.5	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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)
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(#) = 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: Alliance Contract: NOBI03
 Lab Code: ACE SDG No.: Q2558
 Instrument ID: BNA_F Calibration Date/Time: 07/16/2025 19:39
 Lab File ID: BF143117.D Init. Calib. Date(s): 07/15/2025 07/15/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:04 16:35
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.266	1.249		-1.3	
Phenol-d6	1.591	1.563		-1.8	
Nitrobenzene-d5	0.357	0.402		12.6	
Naphthalene	0.993	0.972		-2.1	
2-Methylnaphthalene	0.592	0.578		-2.4	
2-Fluorobiphenyl	1.505	1.421		-5.6	
Acenaphthylene	1.952	1.912		-2.0	
Acenaphthene	1.152	1.115		-3.2	20.0
Fluorene	1.288	1.219		-5.4	
2,4,6-Tribromophenol	0.178	0.191		7.3	
Phenanthrene	1.079	1.046		-3.1	
Anthracene	1.085	1.063		-2.0	
Fluoranthene	0.981	0.947		-3.5	20.0
Pyrene	1.856	1.773		-4.5	
Terphenyl-d14	1.368	1.302		-4.8	
Benzo (a) anthracene	1.333	1.354		1.6	
Chrysene	1.227	1.156		-5.8	
Benzo (b) fluoranthene	1.154	1.136		-1.6	
Benzo (k) fluoranthene	1.101	1.092		-0.8	
Benzo (a) pyrene	1.091	1.116		2.3	20.0
Indeno (1,2,3-cd) pyrene	1.488	1.529		2.8	
Dibenzo (a,h) anthracene	1.216	1.243		2.2	
Benzo (g,h,i) perylene	1.240	1.256		1.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143117.D
 Acq On : 16 Jul 2025 19:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	135149	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	510164	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	254065	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	397173	20.000	ng	0.00
76) Chrysene-d12	14.127	240	210714	20.000	ng	0.00
86) Perylene-d12	15.633	264	255524	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	675027	78.913	ng	0.00
7) Phenol-d6	6.587	99	845178	78.603	ng	0.00
23) Nitrobenzene-d5	7.528	82	820016	90.170	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	193992	85.634	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1444367	75.570	ng	0.00
79) Terphenyl-d14	13.075	244	1097674	76.150	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.811	88	169746	39.864	ng	98
3) Pyridine	3.581	79	425792	39.489	ng	98
4) n-Nitrosodimethylamine	3.522	42	217941	39.012	ng	99
6) Aniline	6.628	93	595971	39.360	ng	99
8) 2-Chlorophenol	6.751	128	355815	41.401	ng	98
9) Benzaldehyde	6.516	77	335257	40.919	ng	99
10) Phenol	6.598	94	490852	42.169	ng	100
11) bis(2-Chloroethyl)ether	6.698	93	350864	38.936	ng	99
12) 1,3-Dichlorobenzene	6.910	146	386579	39.815	ng	99
13) 1,4-Dichlorobenzene	6.987	146	383281	39.238	ng	99
14) 1,2-Dichlorobenzene	7.140	146	363768	39.051	ng	98
15) Benzyl Alcohol	7.098	79	319688	40.125	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	645668	38.870	ng	100
17) 2-Methylphenol	7.204	107	295753	39.876	ng	99
18) Hexachloroethane	7.487	117	131364	41.310	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	260963	39.615	ng	99
20) 3+4-Methylphenols	7.363	107	369651	40.641	ng	99
22) Acetophenone	7.369	105	476586	38.753	ng	# 93
24) Nitrobenzene	7.545	77	376400	42.874	ng	99
25) Isophorone	7.787	82	688462	39.167	ng	100
26) 2-Nitrophenol	7.863	139	148006	42.663	ng	100
27) 2,4-Dimethylphenol	7.893	122	326049	39.965	ng	99
28) bis(2-Chloroethoxy)met...	7.993	93	420098	39.412	ng	100
29) 2,4-Dichlorophenol	8.098	162	274747	41.164	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	297978	39.339	ng	98
31) Naphthalene	8.269	128	991571	39.140	ng	100
32) Benzoic acid	7.987	122	150277	38.466	ng	97
33) 4-Chloroaniline	8.310	127	401159	39.377	ng	100
34) Hexachlorobutadiene	8.393	225	181527	40.072	ng	99
35) Caprolactam	8.675	113	85847	41.190	ng	95
36) 4-Chloro-3-methylphenol	8.787	107	298817	40.192	ng	100
37) 2-Methylnaphthalene	8.963	142	589636	39.014	ng	100
38) 1-Methylnaphthalene	9.063	142	610968	38.976	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	287903	38.885	ng	99
41) Hexachlorocyclopentadiene	9.122	237	173333	42.225	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	195982	42.600	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143117.D
 Acq On : 16 Jul 2025 19:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	196557	40.747	ng	99
46) 1,1'-Biphenyl	9.422	154	779366	38.466	ng	100
47) 2-Chloronaphthalene	9.451	162	573731	38.546	ng	100
48) 2-Nitroaniline	9.534	65	178618	40.710	ng	99
49) Acenaphthylene	9.869	152	971647	39.176	ng	99
50) Dimethylphthalate	9.722	163	628010	39.291	ng	100
51) 2,6-Dinitrotoluene	9.775	165	130906	41.829	ng	95
52) Acenaphthene	10.039	154	566434	38.701	ng	99
53) 3-Nitroaniline	9.945	138	151765	43.942	ng	97
54) 2,4-Dinitrophenol	10.045	184	41904	42.980	ng	# 44
55) Dibenzofuran	10.210	168	838011	38.413	ng	100
56) 4-Nitrophenol	10.086	139	117068	42.650	ng	99
57) 2,4-Dinitrotoluene	10.181	165	155813	40.106	ng	96
58) Fluorene	10.551	166	619482	37.875	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	164509	42.914	ng	98
60) Diethylphthalate	10.422	149	615586	39.920	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	306293	39.072	ng	100
62) 4-Nitroaniline	10.557	138	129761	43.204	ng	99
63) Azobenzene	10.704	77	652575	38.265	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	62192	43.295	ng	97
66) n-Nitrosodiphenylamine	10.657	169	545898	39.129	ng	99
67) 4-Bromophenyl-phenylether	11.034	248	180440	39.949	ng	98
68) Hexachlorobenzene	11.104	284	191457	39.950	ng	97
69) Atrazine	11.181	200	145300	40.708	ng	99
70) Pentachlorophenol	11.292	266	114049	43.376	ng	99
71) Phenanthrene	11.516	178	831246	38.780	ng	100
72) Anthracene	11.569	178	844296	39.169	ng	99
73) Carbazole	11.716	167	742234	38.436	ng	100
74) Di-n-butylphthalate	12.051	149	743944	41.970	ng	100
75) Fluoranthene	12.704	202	752396	38.604	ng	99
77) Benzidine	12.816	184	274069	38.177	ng	99
78) Pyrene	12.933	202	747120	38.214	ng	100
80) Butylbenzylphthalate	13.545	149	153672	39.754	ng	95
81) Benzo(a)anthracene	14.116	228	570413	40.624	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	164768	40.409	ng	99
83) Chrysene	14.157	228	486986	37.657	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	241107	41.219	ng	100
85) Di-n-octyl phthalate	14.727	149	439529	40.440	ng	99
87) Indeno(1,2,3-cd)pyrene	17.180	276	781535	41.122	ng	100
88) Benzo(b)fluoranthene	15.192	252	580612	39.393	ng	99
89) Benzo(k)fluoranthene	15.221	252	558211	39.698	ng	99
90) Benzo(a)pyrene	15.574	252	570084	40.896	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	635338	40.895	ng	99
92) Benzo(g,h,i)perylene	17.645	276	642024	40.534	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Abundance

TIC: BF143117.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodimethylamine

2-Fluorophenol

Phenol

Phenol-d6

Phenol-G

Phenol-d4

Phenol-d5

Phenol-d7

Phenol-d8

Phenol-d9

Phenol-d10

Phenol-d11

Phenol-d12

Phenol-d13

Phenol-d14

Phenol-d15

Phenol-d16

Phenol-d17

Phenol-d18

Phenol-d19

Phenol-d20

Phenol-d21

Phenol-d22

Phenol-d23

Phenol-d24

Phenol-d25

Phenol-d26

Phenol-d27

Phenol-d28

Phenol-d29

Phenol-d30

Phenol-d31

Phenol-d32

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Phenol-d35

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Phenol-d42

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Phenol-d45

Phenol-d46

Phenol-d47

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Phenol-d225

Phenol-d226

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Phenol-d228

Phenol-d229

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Phenol-d330

Phenol-d331

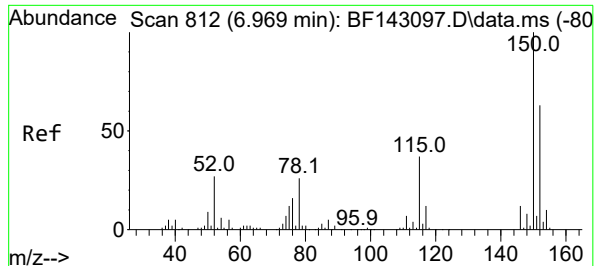
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Phenol-d333

Phenol-d334

Phenol-d335

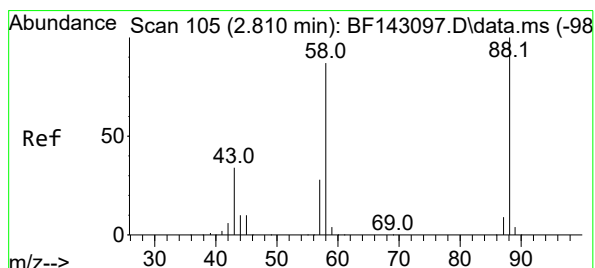
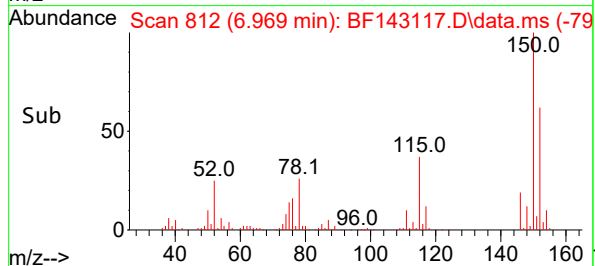
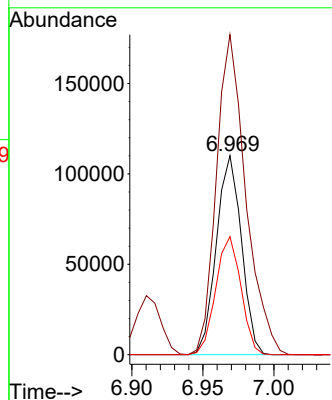
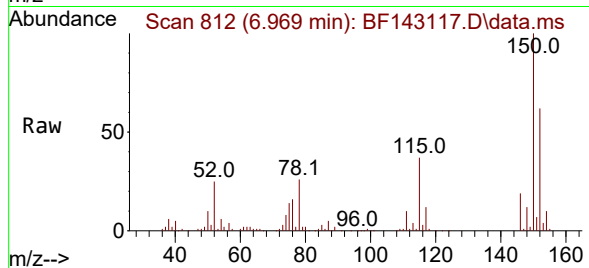
Phen



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

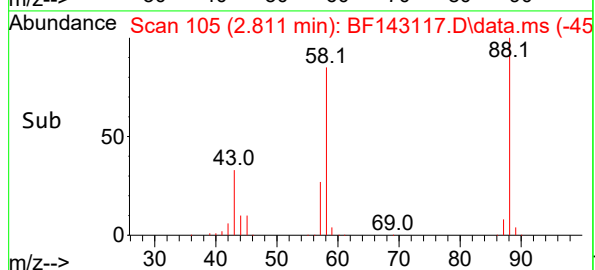
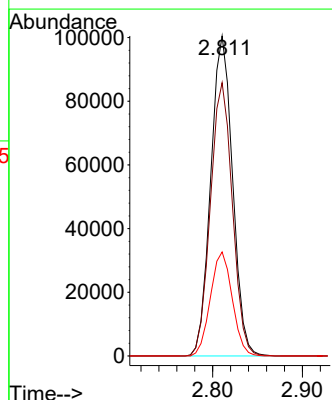
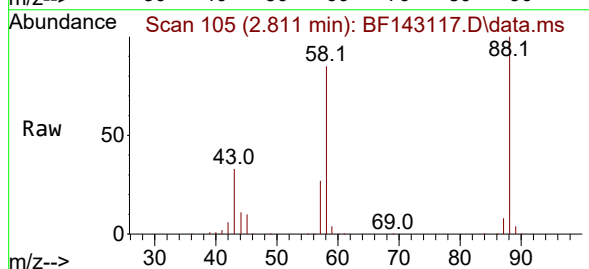
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

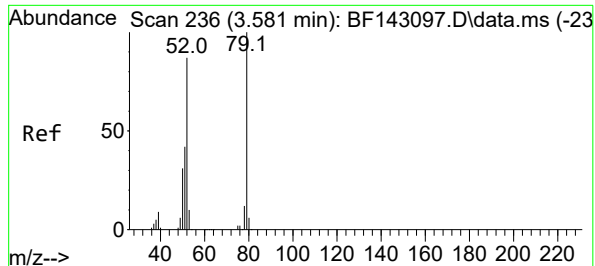
Tgt Ion:152 Resp: 135149
Ion Ratio Lower Upper
152 100
150 160.8 126.5 189.7
115 59.4 47.0 70.6



#2
1,4-Dioxane
Concen: 39.864 ng
RT: 2.811 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 88 Resp: 169746
Ion Ratio Lower Upper
88 100
58 86.0 70.5 105.7
43 32.5 27.3 40.9

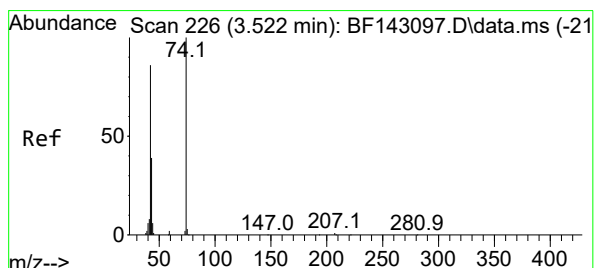
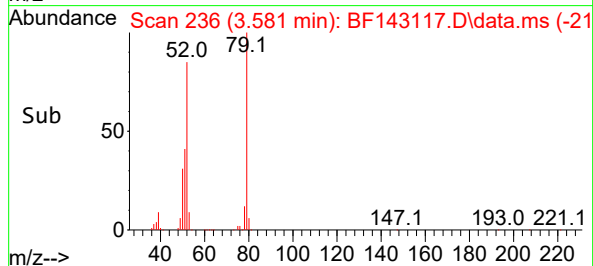
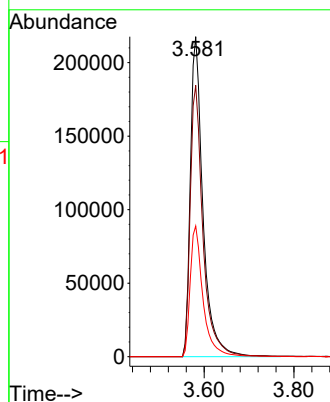
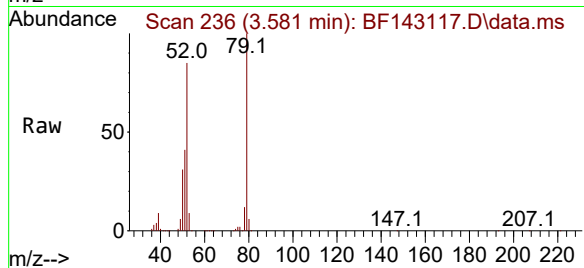




#3
Pyridine
Concen: 39.489 ng
RT: 3.581 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

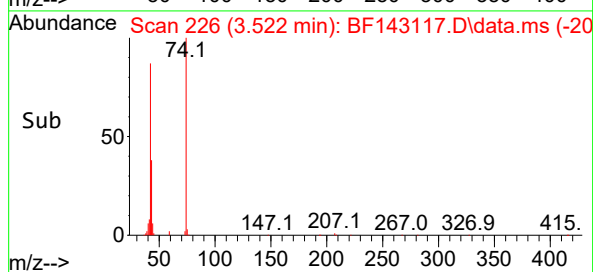
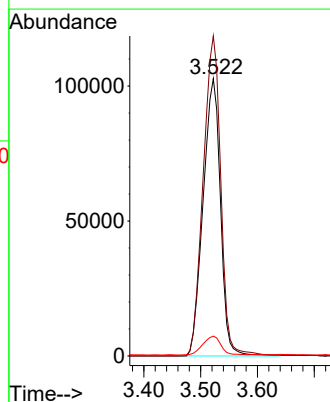
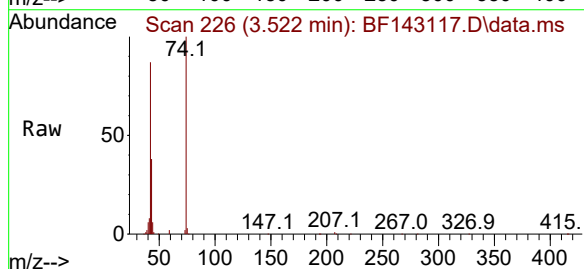
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

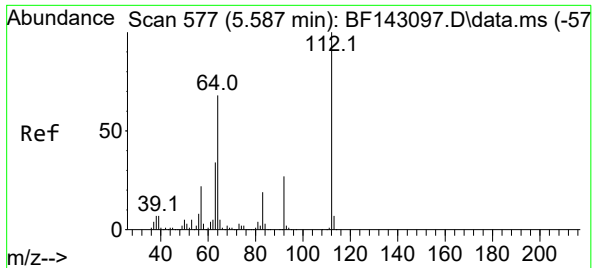
Tgt Ion: 79 Resp: 425792
Ion Ratio Lower Upper
79 100
52 84.8 69.2 103.8
51 40.9 33.3 49.9



#4
n-Nitrosodimethylamine
Concen: 39.012 ng
RT: 3.522 min Scan# 226
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 42 Resp: 217941
Ion Ratio Lower Upper
42 100
74 115.4 92.8 139.2
44 7.2 5.8 8.6

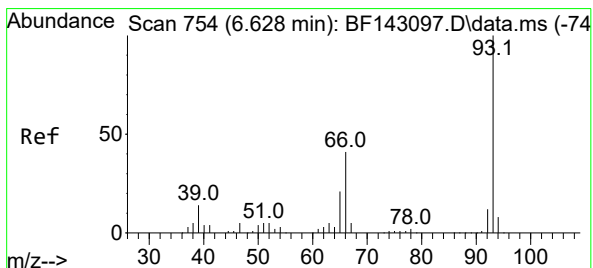
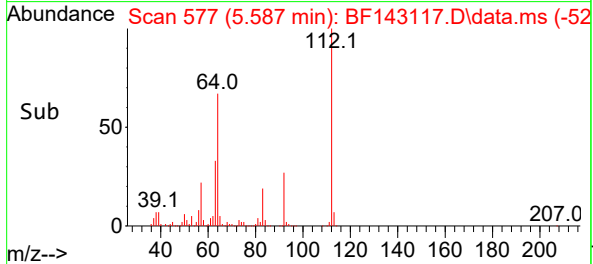
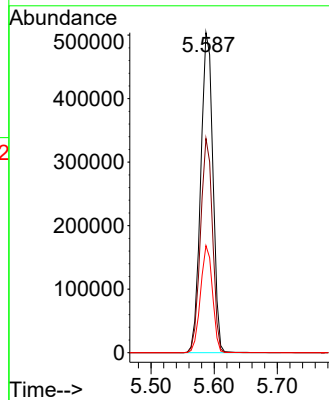
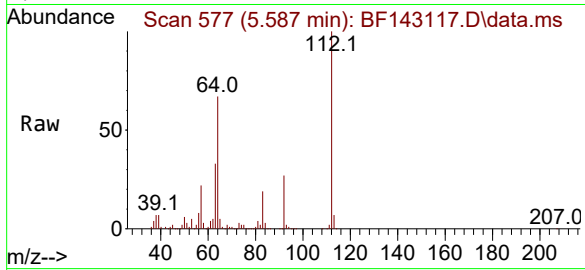




#5
2-Fluorophenol
Concen: 78.913 ng
RT: 5.587 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

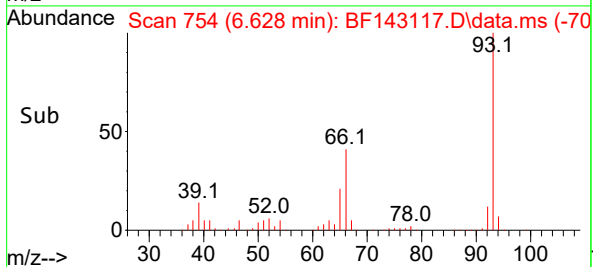
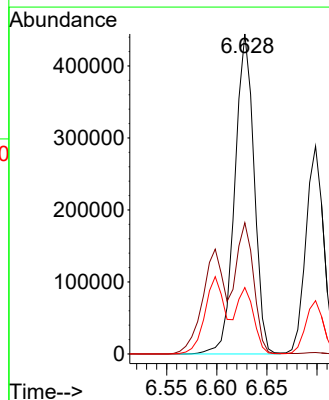
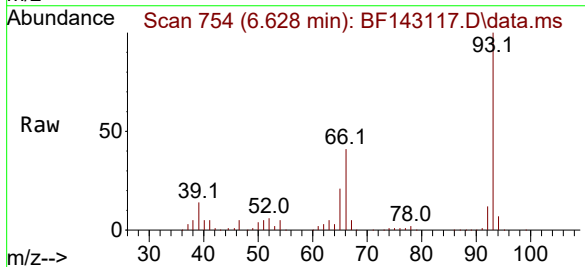
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

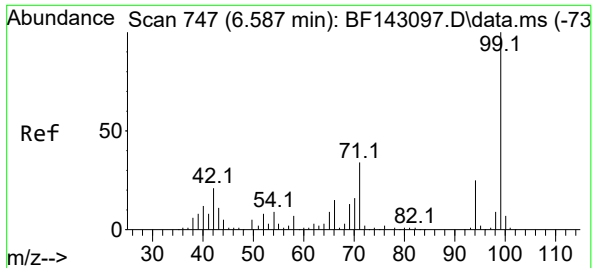
Tgt Ion:112 Resp: 675027
Ion Ratio Lower Upper
112 100
64 67.0 54.6 82.0
63 33.5 27.3 40.9



#6
Aniline
Concen: 39.360 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 93 Resp: 595971
Ion Ratio Lower Upper
93 100
66 41.0 33.1 49.7
65 20.8 16.9 25.3

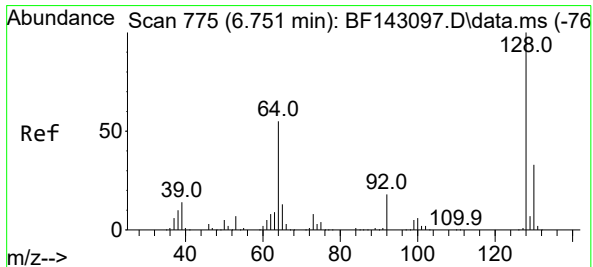
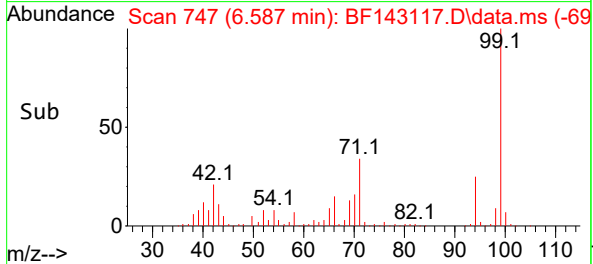
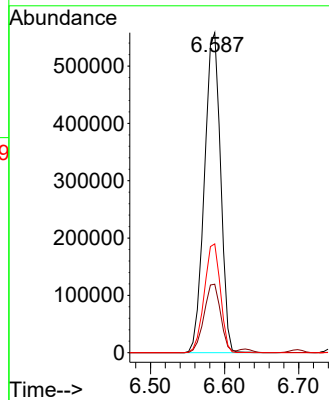
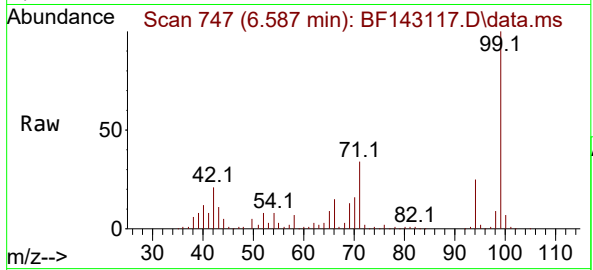




#7
Phenol-d6
Concen: 78.603 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

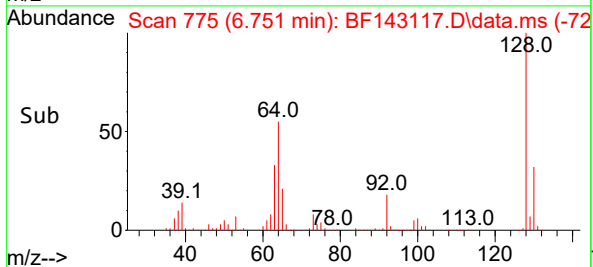
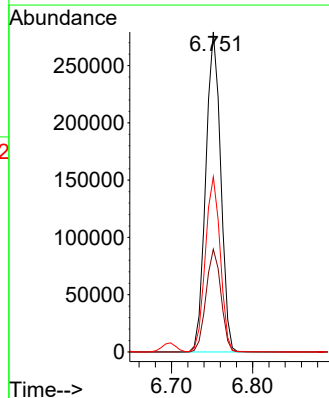
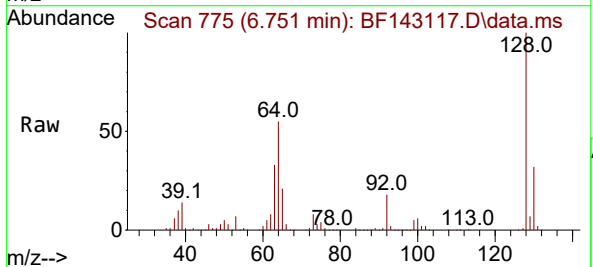
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ClientSampleId :
SSTDCCC040

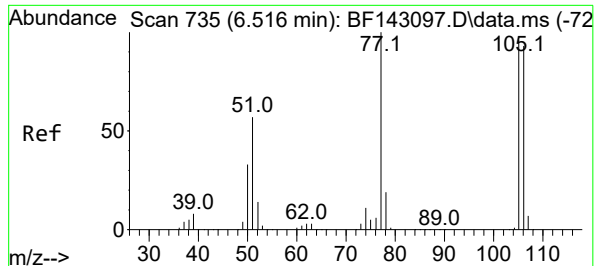
Tgt Ion: 99 Resp: 845178
Ion Ratio Lower Upper
99 100
42 21.4 17.2 25.8
71 34.0 27.4 41.0



#8
2-Chlorophenol
Concen: 41.401 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 128 Resp: 355815
Ion Ratio Lower Upper
128 100
130 32.1 12.8 52.8
64 54.7 36.1 76.1





#9

Benzaldehyde

Concen: 40.919 ng

RT: 6.516 min Scan# 735

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

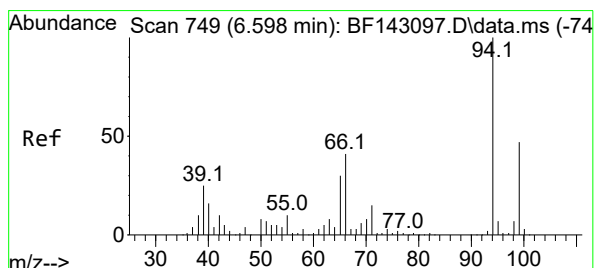
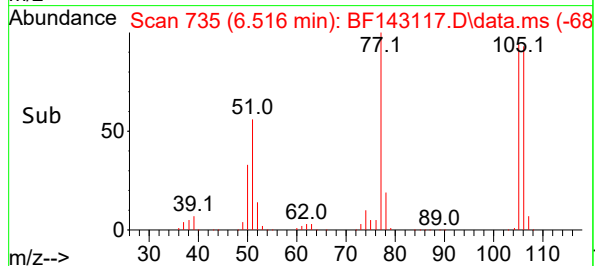
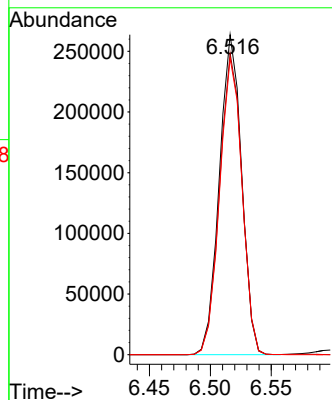
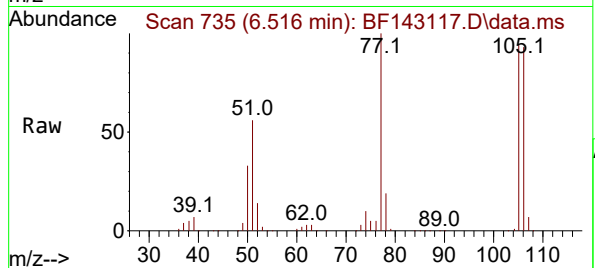
Tgt Ion: 77 Resp: 335257

Ion Ratio Lower Upper

77 100

105 94.2 76.3 116.3

106 92.7 72.8 112.8



#10

Phenol

Concen: 42.169 ng

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

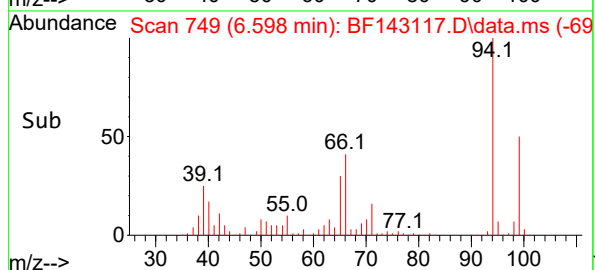
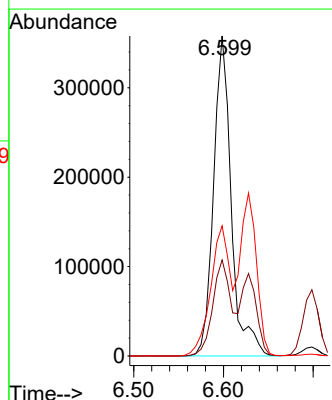
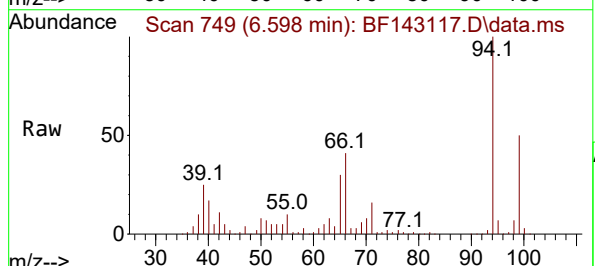
Tgt Ion: 94 Resp: 490852

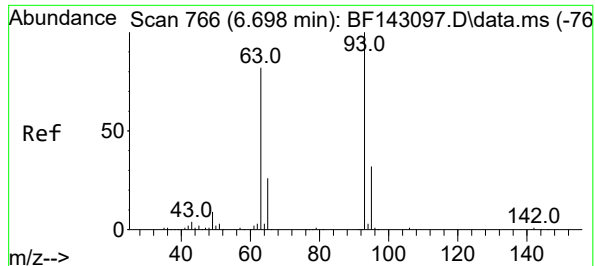
Ion Ratio Lower Upper

94 100

65 30.0 9.8 49.8

66 40.7 20.5 60.5





#11

bis(2-Chloroethyl)ether

Concen: 38.936 ng

RT: 6.698 min Scan# 766

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

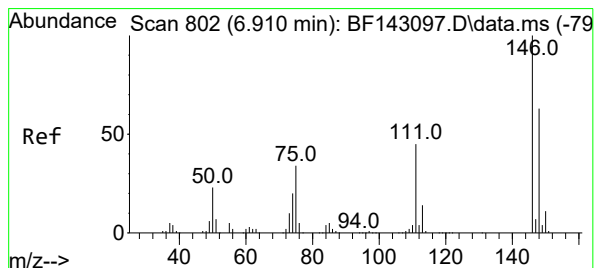
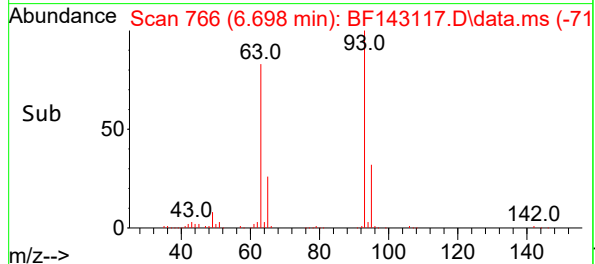
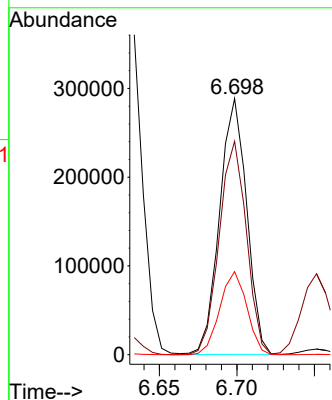
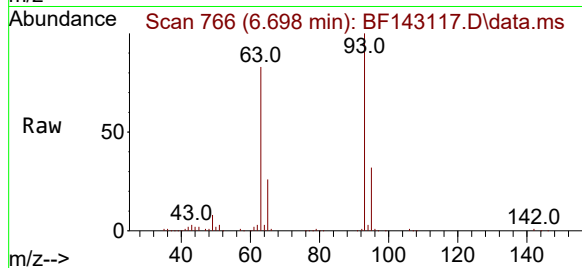
Tgt Ion: 93 Resp: 350864

Ion Ratio Lower Upper

93 100

63 83.4 61.9 101.9

95 32.4 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 39.815 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

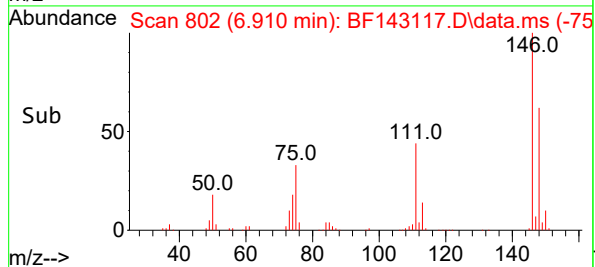
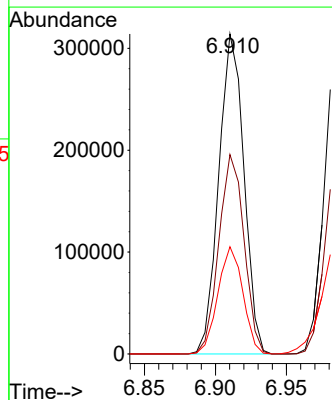
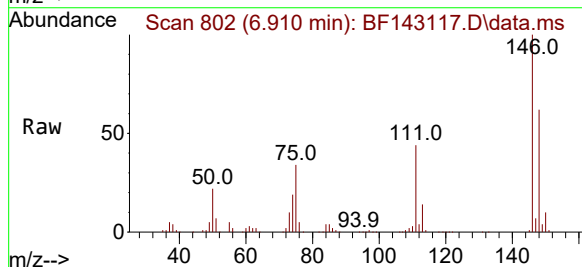
Tgt Ion:146 Resp: 386579

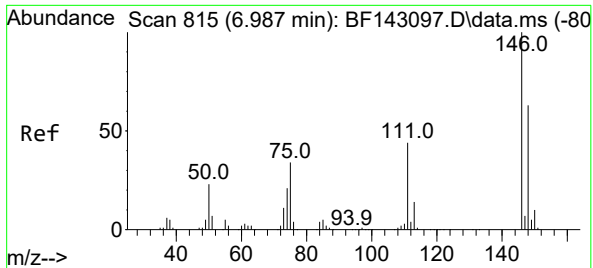
Ion Ratio Lower Upper

146 100

148 62.3 50.1 75.1

75 33.5 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 39.238 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

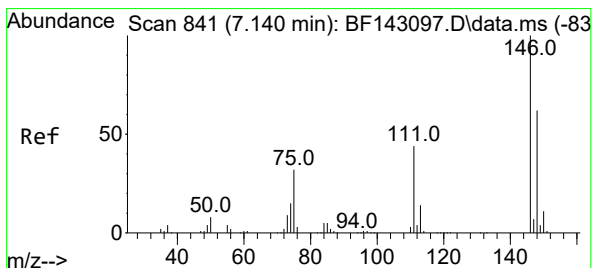
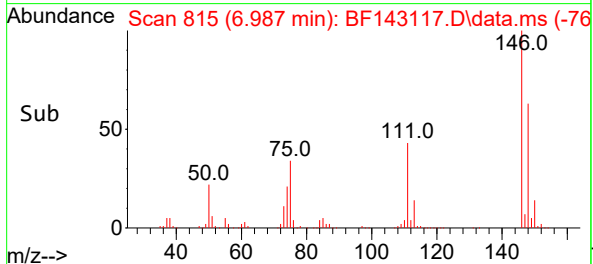
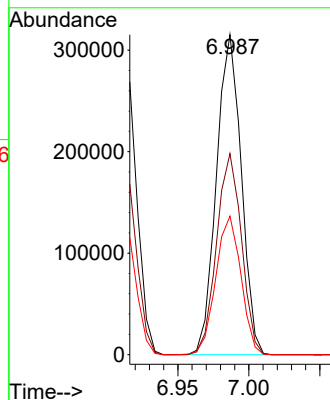
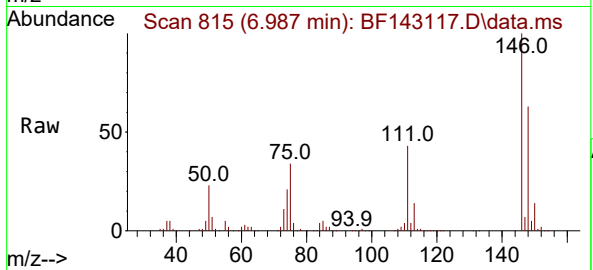
Tgt Ion:146 Resp: 383281

Ion Ratio Lower Upper

146 100

148 62.8 50.6 76.0

111 43.3 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 39.051 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

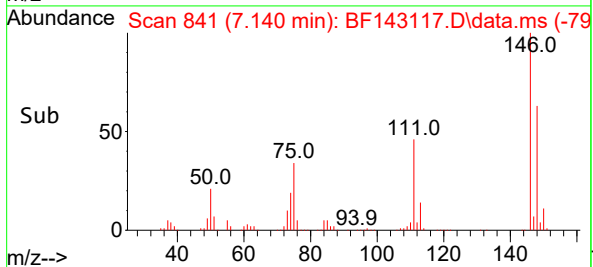
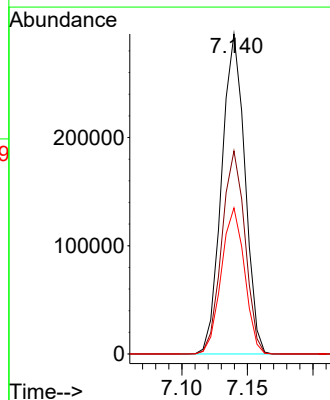
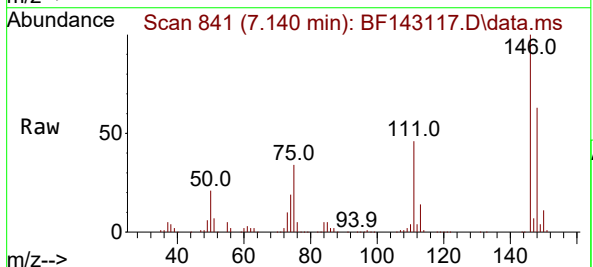
Tgt Ion:146 Resp: 363768

Ion Ratio Lower Upper

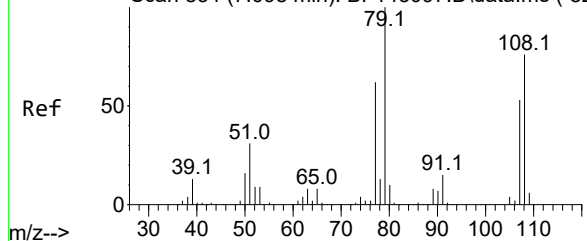
146 100

148 63.4 49.8 74.6

111 45.6 35.4 53.0



Abundance Scan 834 (7.098 min): BF143097.D\data.ms (-82



#15

Benzyl Alcohol

Concen: 40.125 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 319688

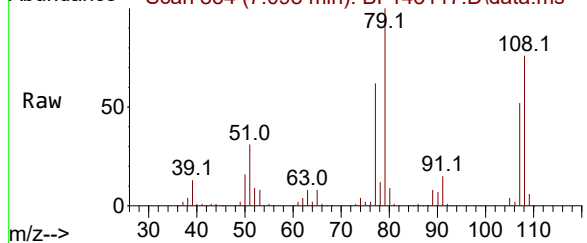
Ion Ratio Lower Upper

79 100

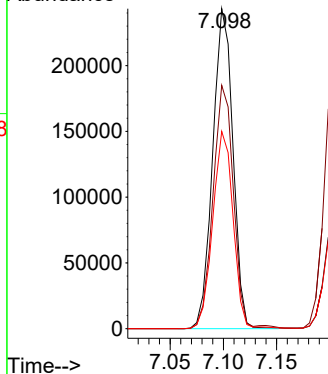
108 76.1 61.1 91.7

77 61.7 49.9 74.9

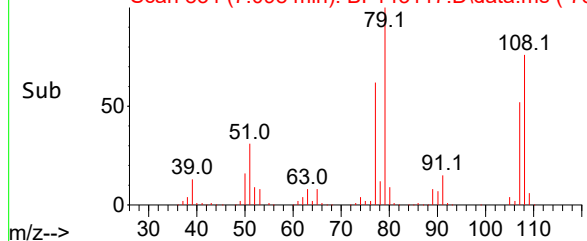
Abundance Scan 834 (7.098 min): BF143117.D\data.ms



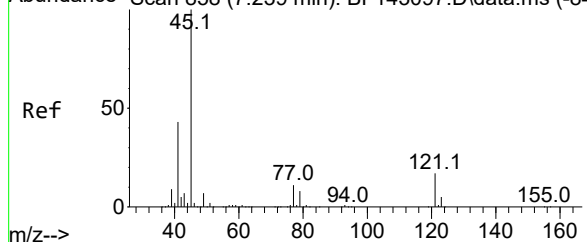
Abundance



Abundance Scan 834 (7.098 min): BF143117.D\data.ms (-78



Abundance Scan 858 (7.239 min): BF143097.D\data.ms (-84



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.870 ng

RT: 7.240 min Scan# 858

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Tgt Ion: 45 Resp: 645668

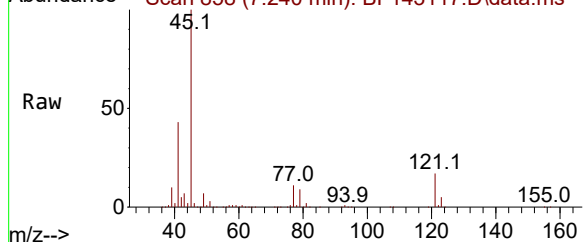
Ion Ratio Lower Upper

45 100

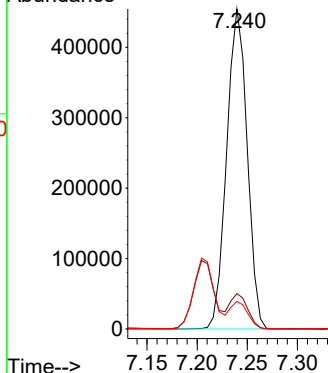
77 11.0 0.0 31.1

79 8.6 0.0 28.4

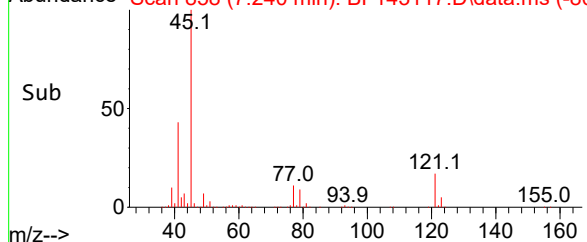
Abundance Scan 858 (7.240 min): BF143117.D\data.ms

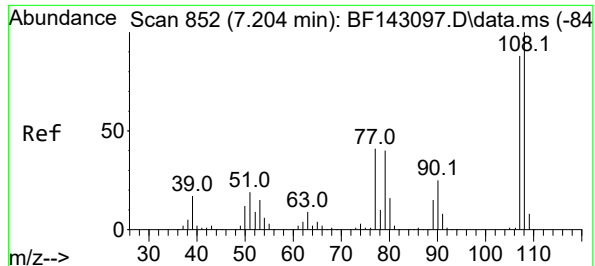


Abundance



Abundance Scan 858 (7.240 min): BF143117.D\data.ms (-80

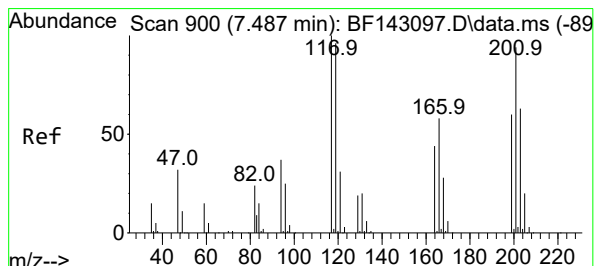
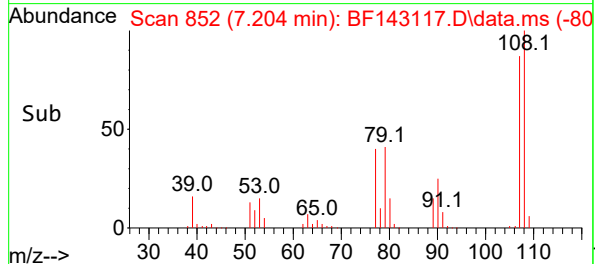
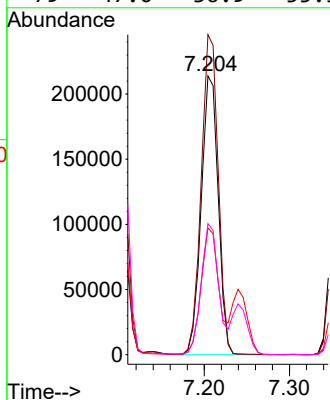
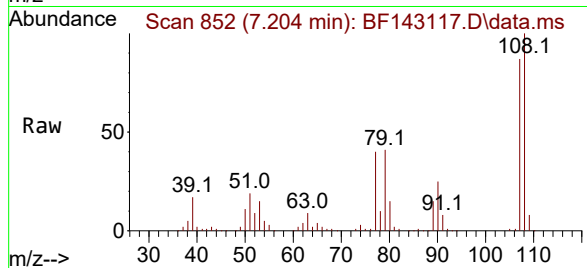




#17
2-Methylphenol
Concen: 39.876 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

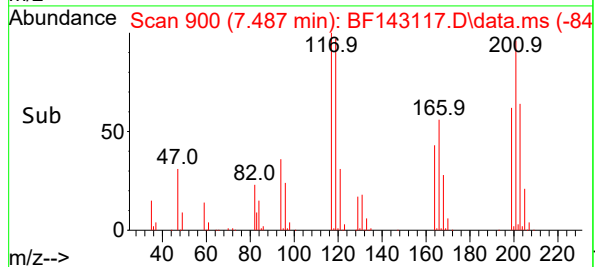
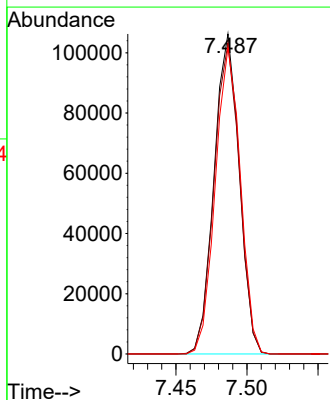
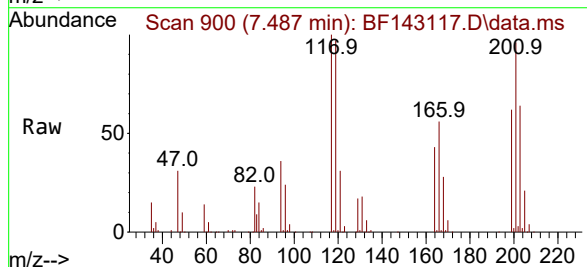
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

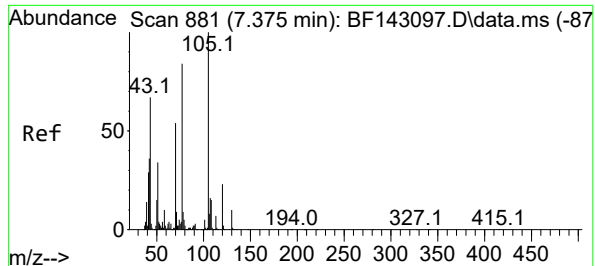
Tgt Ion:	107	Resp:	295753
Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.9	136.3
77	45.5	37.5	56.3
79	47.0	36.9	55.3



#18
Hexachloroethane
Concen: 41.310 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:	117	Resp:	131364
Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.7	115.1
201	95.8	75.0	112.4





#19

n-Nitroso-di-n-propylamine

Concen: 39.615 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 260963

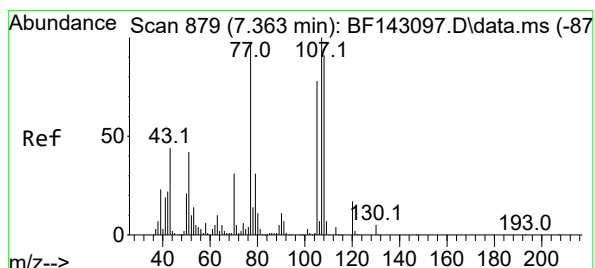
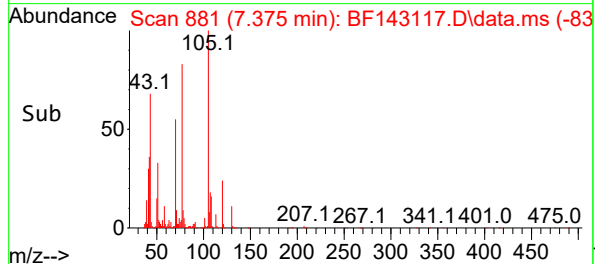
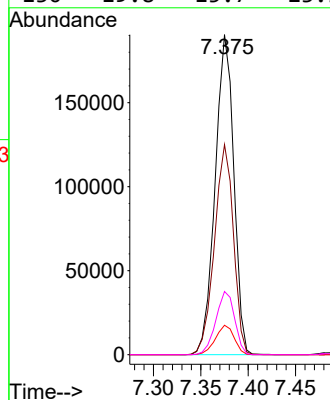
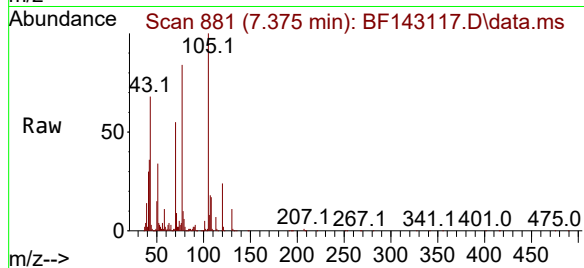
Ion Ratio Lower Upper

70 100

42 65.6 53.2 79.8

101 9.2 7.5 11.3

130 19.8 15.7 23.5



#20

3+4-Methylphenols

Concen: 40.641 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Tgt Ion: 107 Resp: 369651

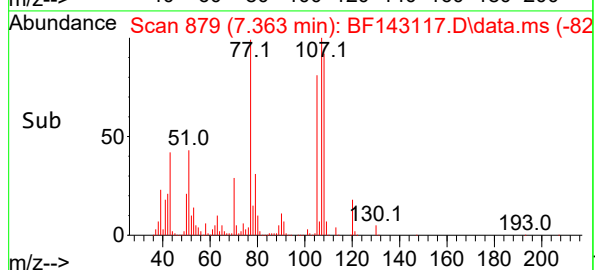
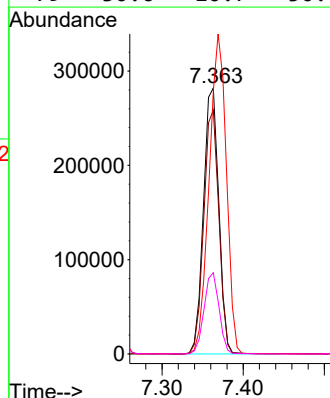
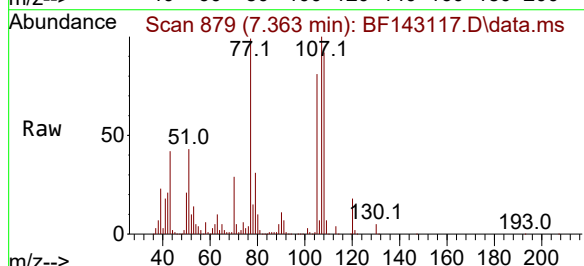
Ion Ratio Lower Upper

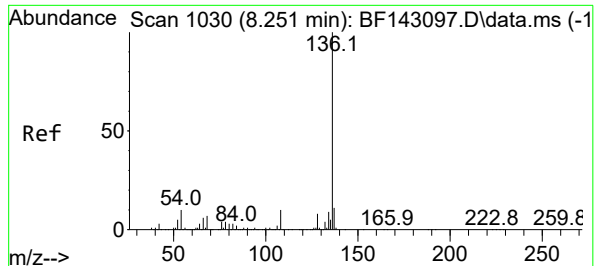
107 100

108 91.8 71.3 111.3

77 98.8 77.2 117.2

79 30.6 10.7 50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.251 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 510164

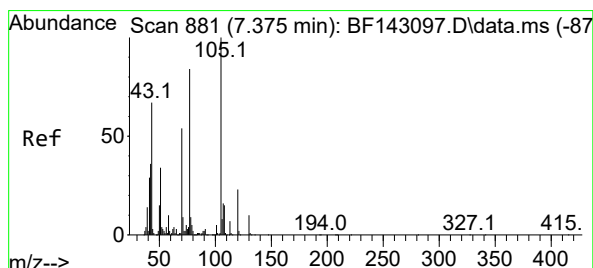
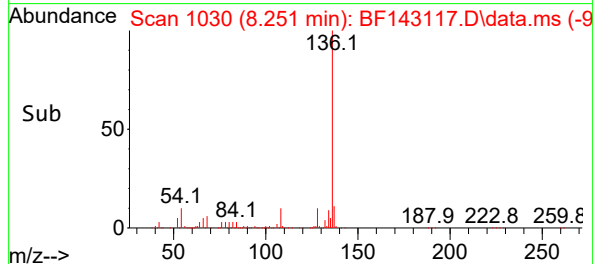
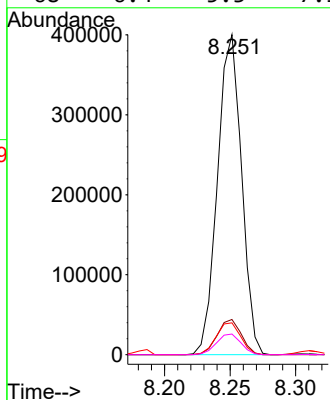
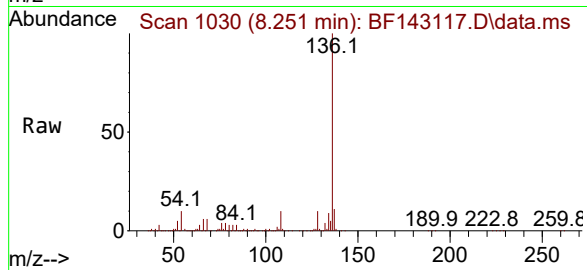
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.9 8.3 12.5

68 6.4 5.3 7.9



#22

Acetophenone

Concen: 38.753 ng

RT: 7.369 min Scan# 880

Delta R.T. -0.006 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Tgt Ion:105 Resp: 476586

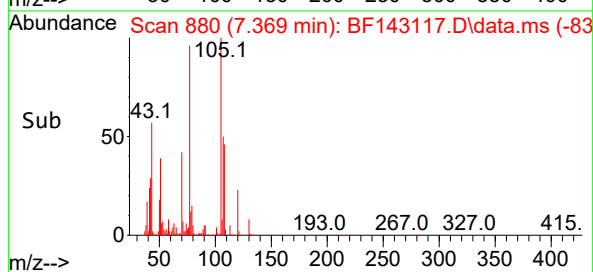
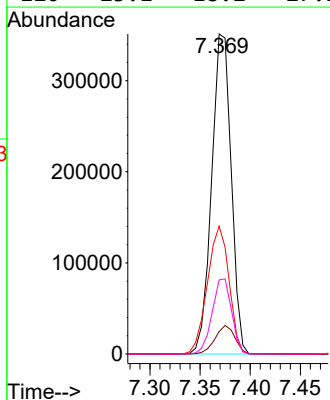
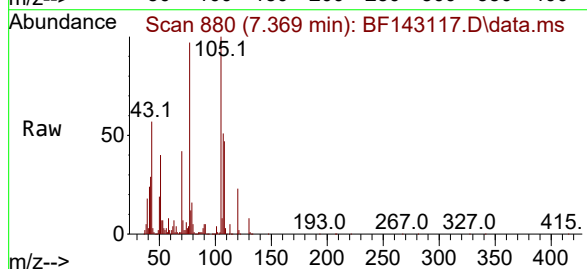
Ion Ratio Lower Upper

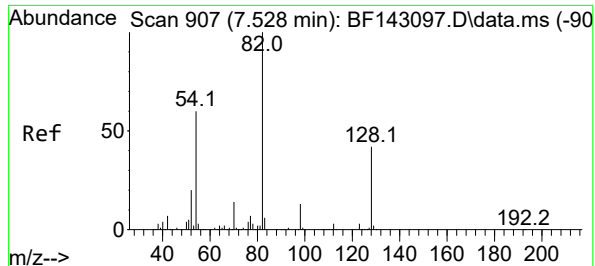
105 100

71 7.0 7.2 10.8#

51 39.9 27.0 40.4

120 23.1 18.2 27.2





#23

Nitrobenzene-d5

Concen: 90.170 ng

RT: 7.528 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

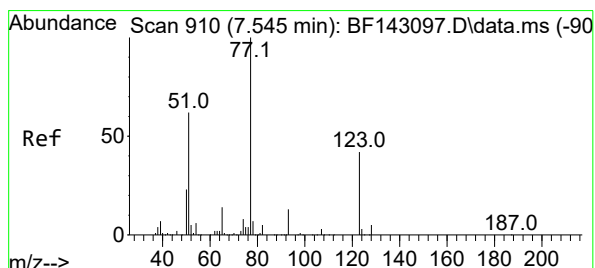
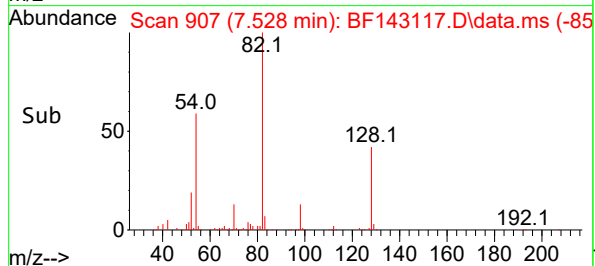
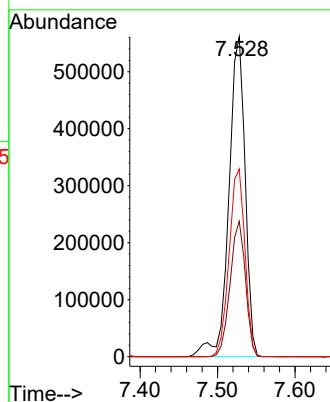
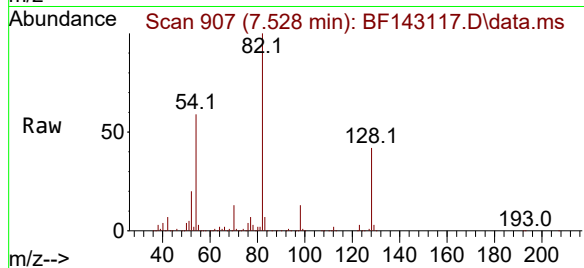
Tgt Ion: 82 Resp: 820016

Ion Ratio Lower Upper

82 100

128 42.3 33.3 49.9

54 58.7 47.4 71.2



#24

Nitrobenzene

Concen: 42.874 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

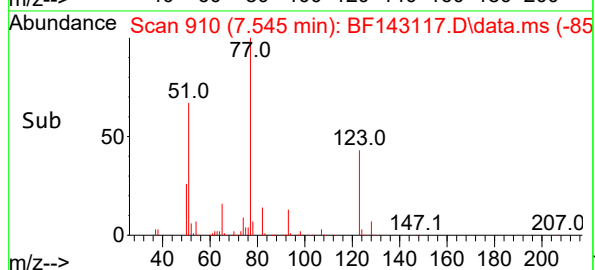
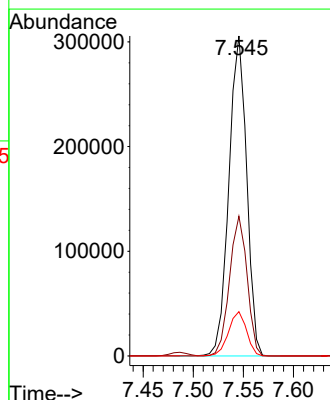
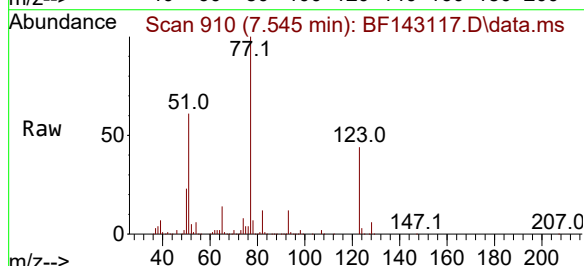
Tgt Ion: 77 Resp: 376400

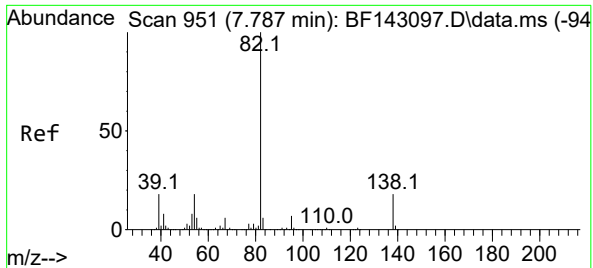
Ion Ratio Lower Upper

77 100

123 43.6 34.5 51.7

65 13.8 11.3 16.9





#25

Isophorone

Concen: 39.167 ng

RT: 7.787 min Scan# 951

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

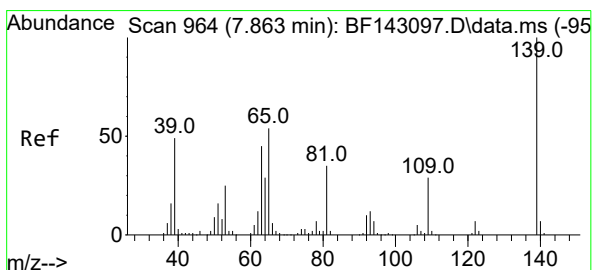
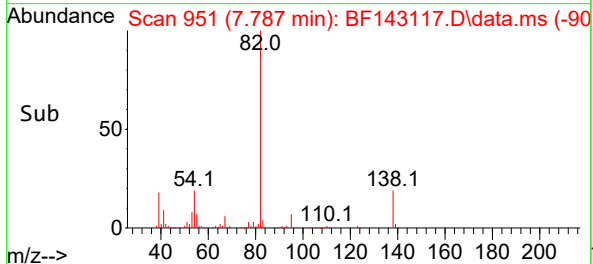
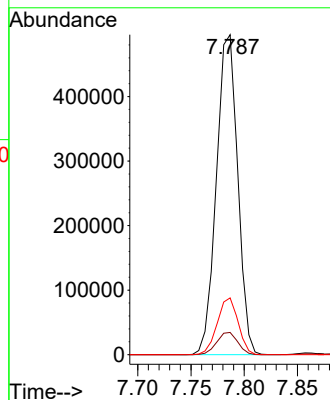
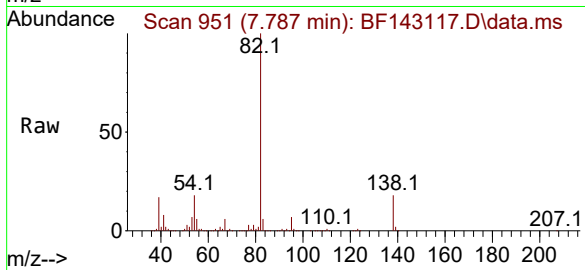
Tgt Ion: 82 Resp: 688462

Ion Ratio Lower Upper

82 100

95 6.9 5.6 8.4

138 17.7 14.3 21.5



#26

2-Nitrophenol

Concen: 42.663 ng

RT: 7.863 min Scan# 964

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

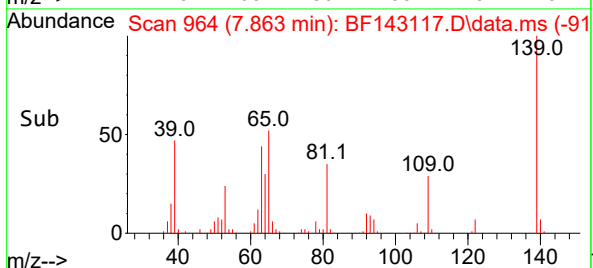
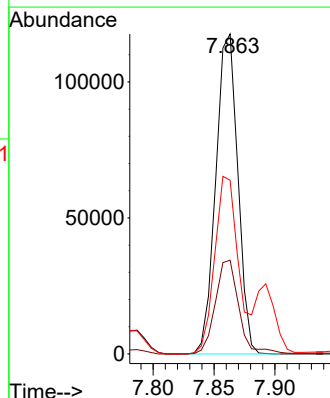
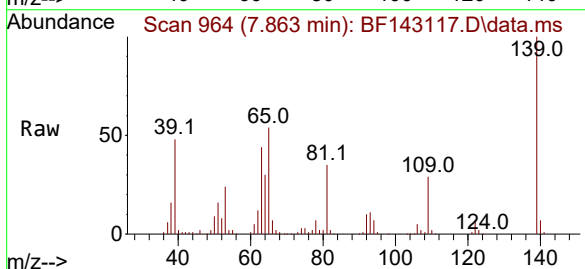
Tgt Ion:139 Resp: 148006

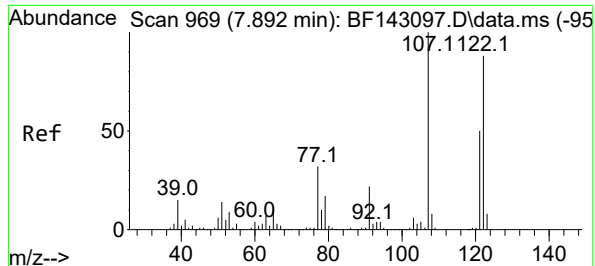
Ion Ratio Lower Upper

139 100

109 29.3 23.4 35.0

65 54.3 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 39.965 ng

RT: 7.893 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

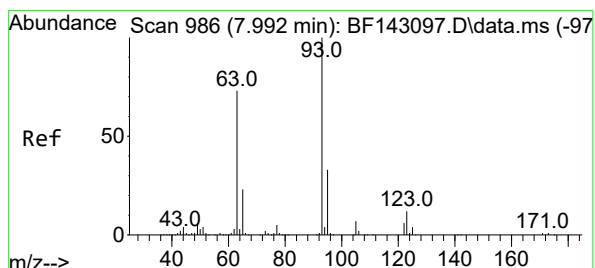
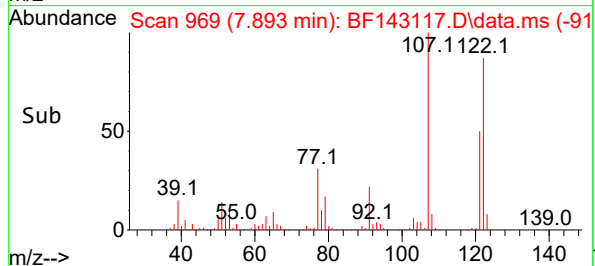
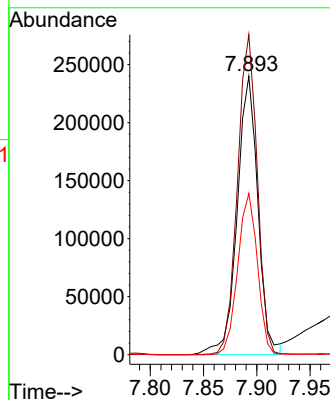
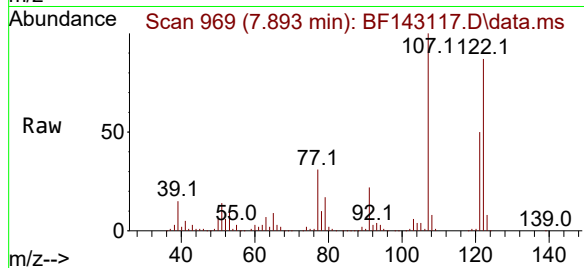
Tgt Ion:122 Resp: 326049

Ion Ratio Lower Upper

122 100

107 114.8 91.3 136.9

121 57.9 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 39.412 ng

RT: 7.993 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

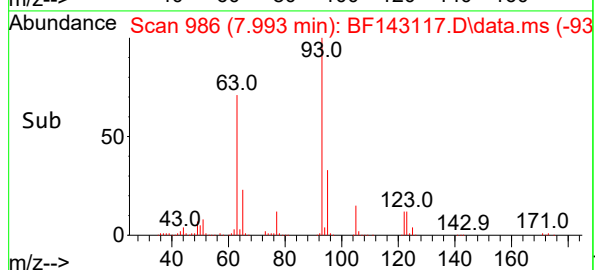
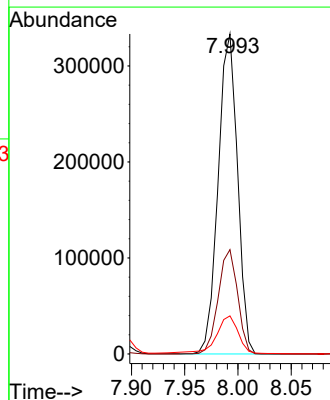
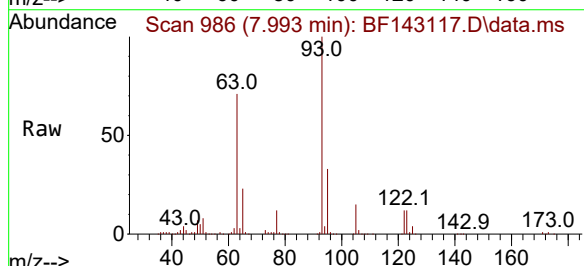
Tgt Ion: 93 Resp: 420098

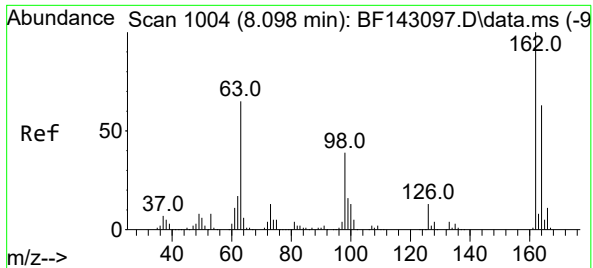
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

123 11.9 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 41.164 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

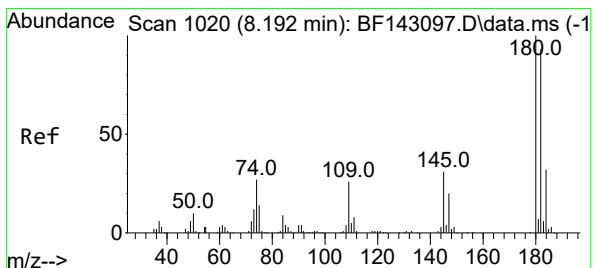
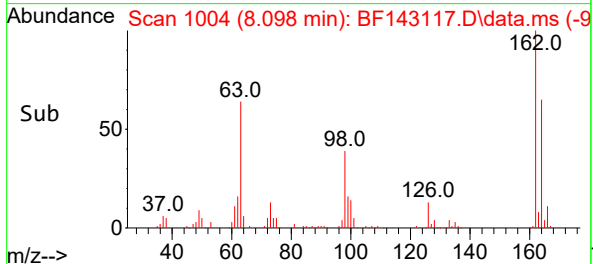
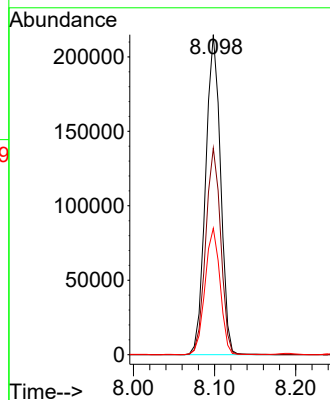
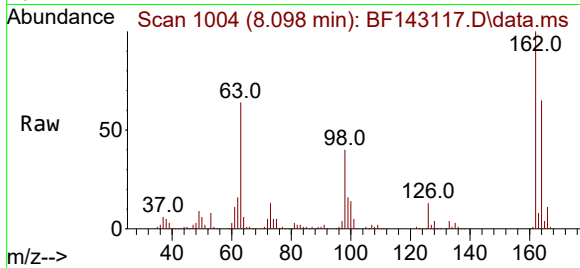
Tgt Ion:162 Resp: 274747

Ion Ratio Lower Upper

162 100

164 64.6 43.1 83.1

98 39.5 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 39.339 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

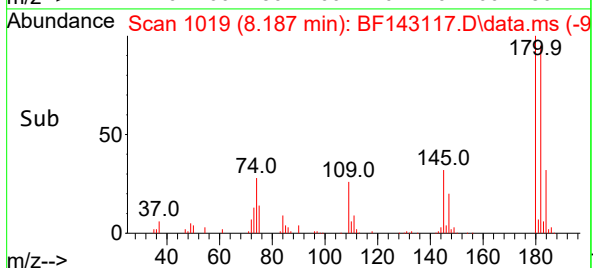
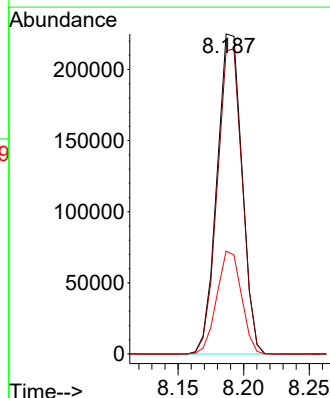
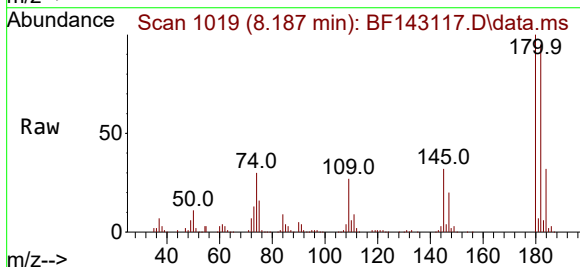
Tgt Ion:180 Resp: 297978

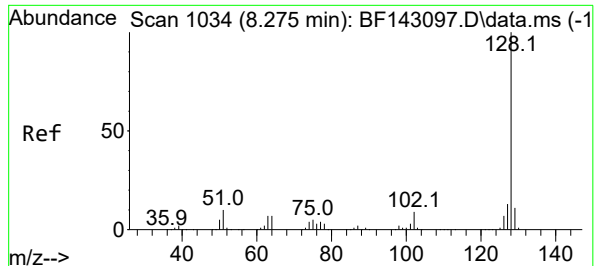
Ion Ratio Lower Upper

180 100

182 94.8 74.7 112.1

145 32.1 24.5 36.7





#31

Naphthalene

Concen: 39.140 ng

RT: 8.269 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

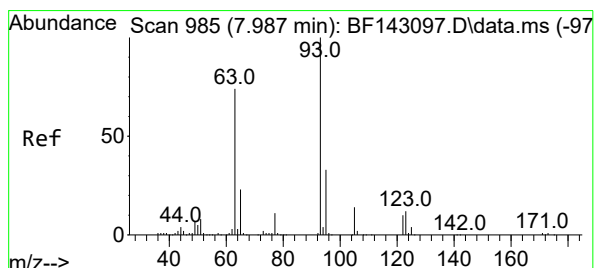
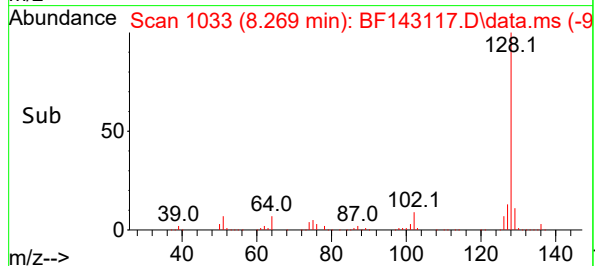
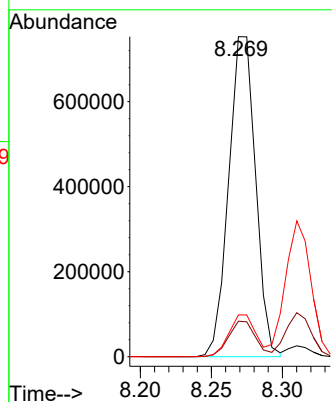
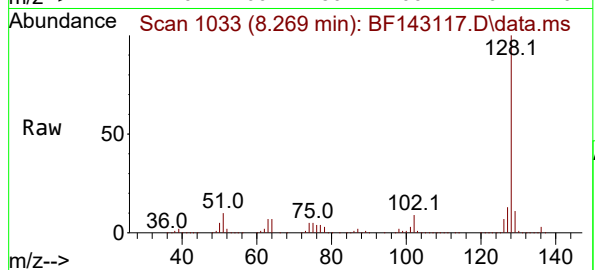
Tgt Ion:128 Resp: 991571

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.1 10.5 15.7



#32

Benzoic acid

Concen: 38.466 ng

RT: 7.987 min Scan# 985

Delta R.T. -0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

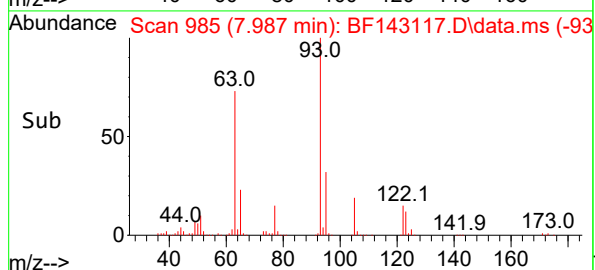
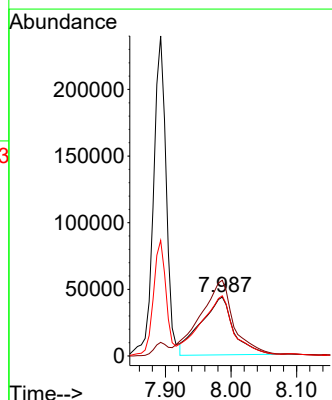
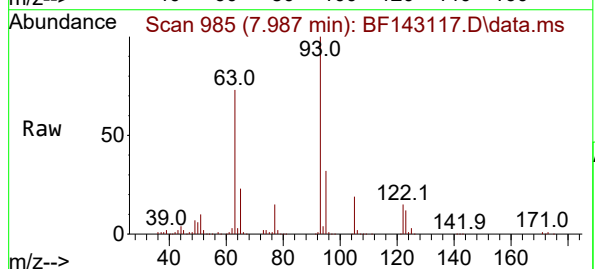
Tgt Ion:122 Resp: 150277

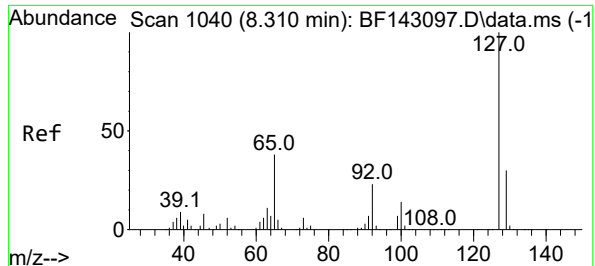
Ion Ratio Lower Upper

122 100

105 128.6 105.4 145.4

77 102.1 78.6 118.6





#33

4-Chloroaniline

Concen: 39.377 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 401159

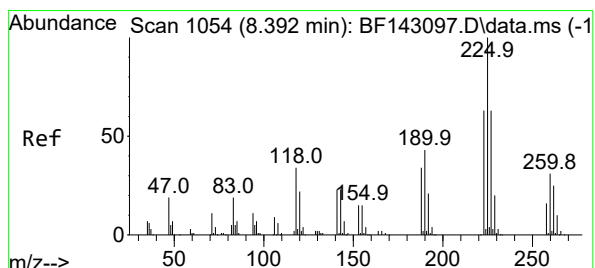
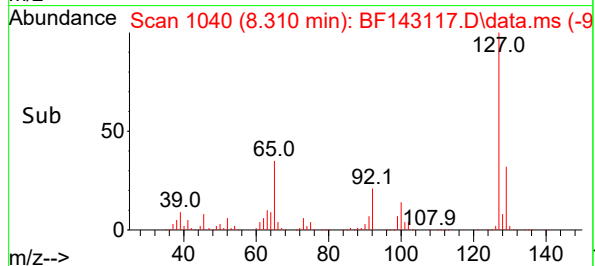
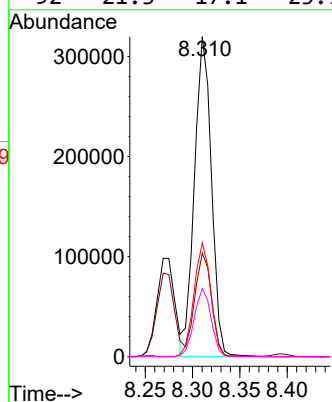
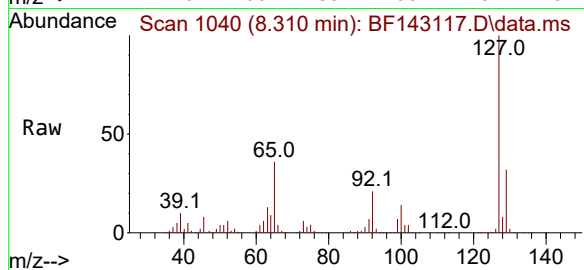
Ion Ratio Lower Upper

127 100

129 32.4 26.2 39.4

65 35.5 28.6 42.8

92 21.3 17.1 25.7



#34

Hexachlorobutadiene

Concen: 40.072 ng

RT: 8.393 min Scan# 1054

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

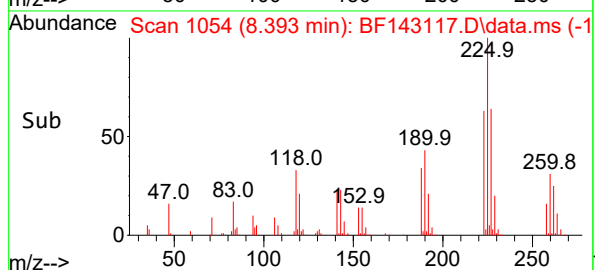
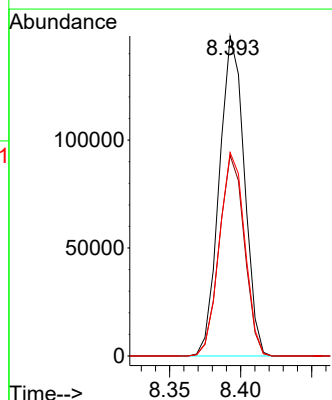
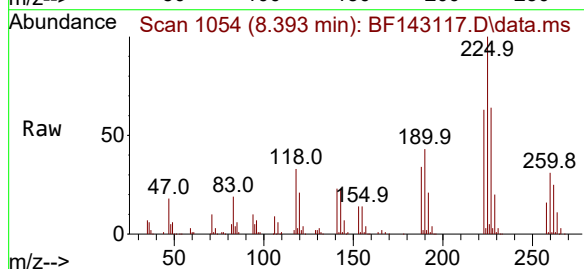
Tgt Ion:225 Resp: 181527

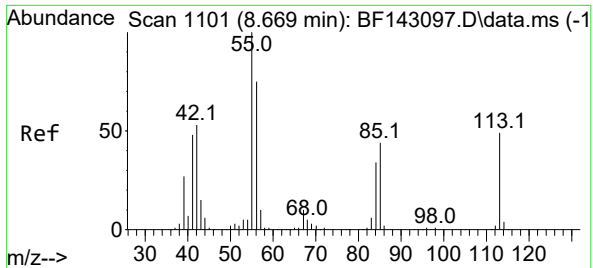
Ion Ratio Lower Upper

225 100

223 62.6 50.3 75.5

227 63.6 50.1 75.1

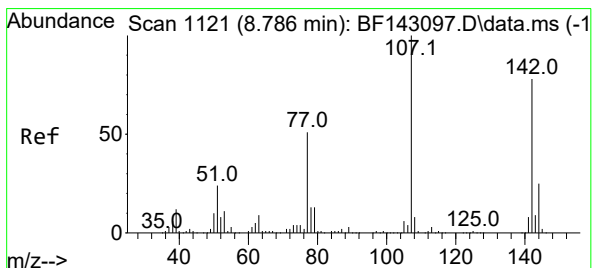
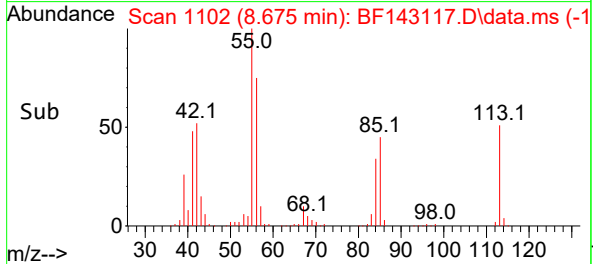
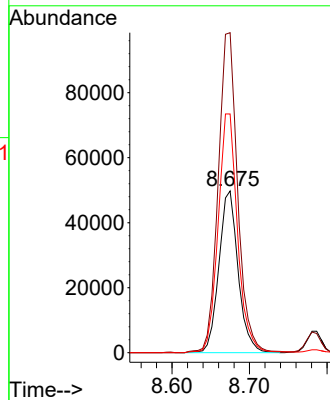
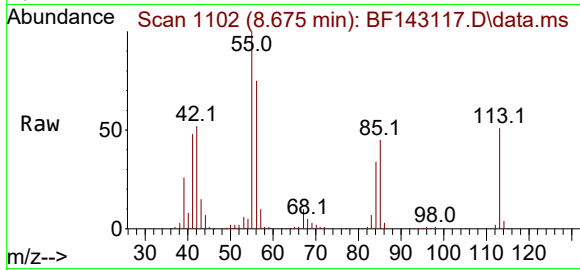




#35
Caprolactam
Concen: 41.190 ng
RT: 8.675 min Scan# 1101
Delta R.T. 0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

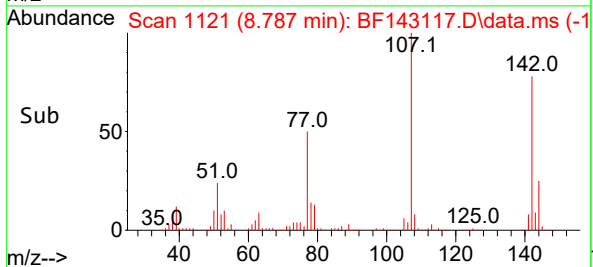
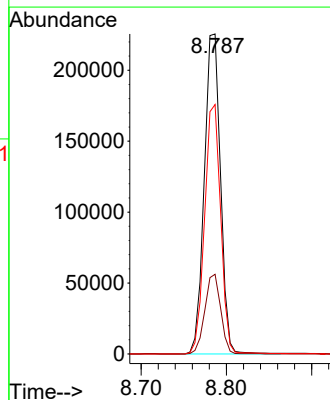
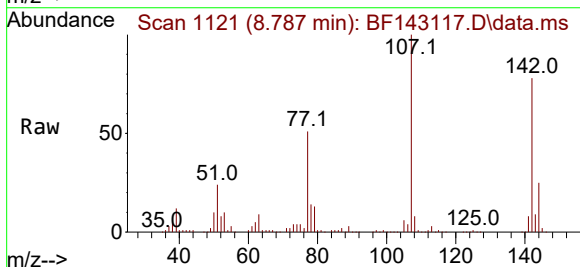
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

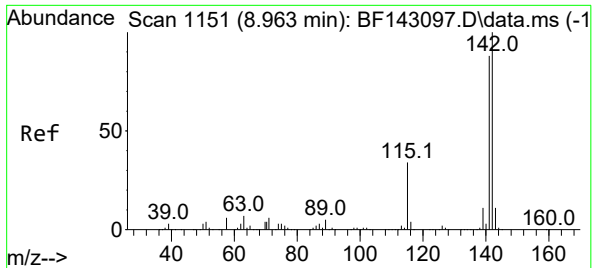
Tgt Ion:113 Resp: 85847
Ion Ratio Lower Upper
113 100
55 197.8 186.2 226.2
56 147.6 134.1 174.1



#36
4-Chloro-3-methylphenol
Concen: 40.192 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:107 Resp: 298817
Ion Ratio Lower Upper
107 100
144 24.9 20.2 30.2
142 77.9 62.4 93.6

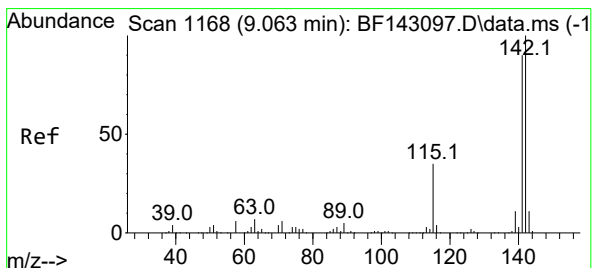
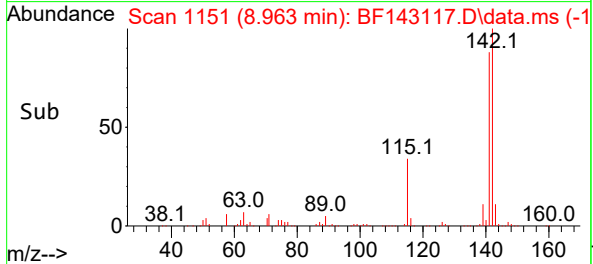
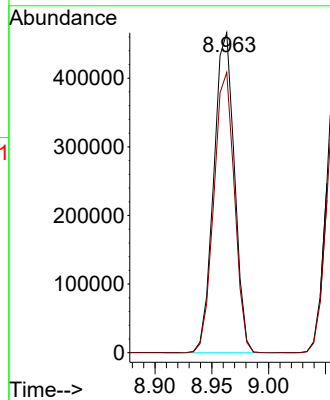
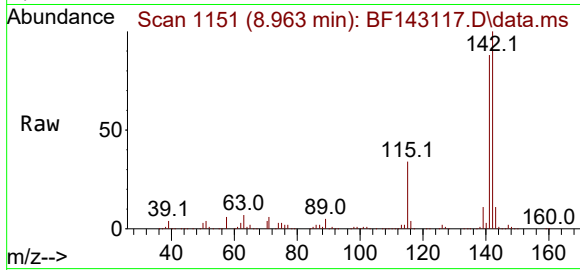




#37
2-Methylnaphthalene
Concen: 39.014 ng
RT: 8.963 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

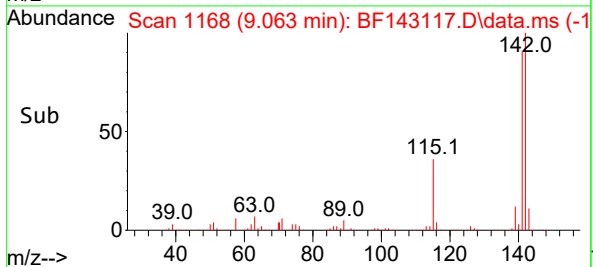
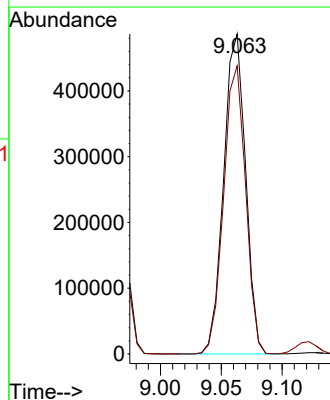
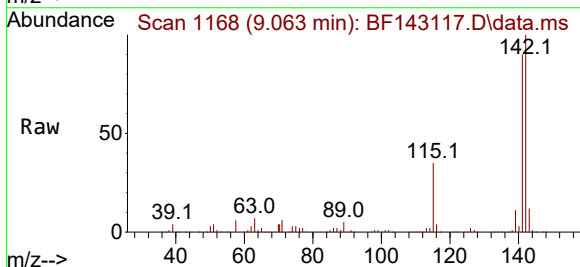
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

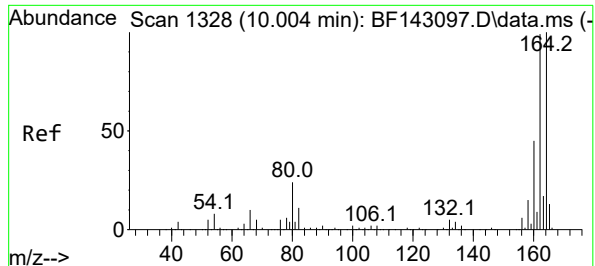
Tgt Ion:142 Resp: 589636
Ion Ratio Lower Upper
142 100
141 87.6 70.2 105.2



#38
1-Methylnaphthalene
Concen: 38.976 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:142 Resp: 610968
Ion Ratio Lower Upper
142 100
141 90.0 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

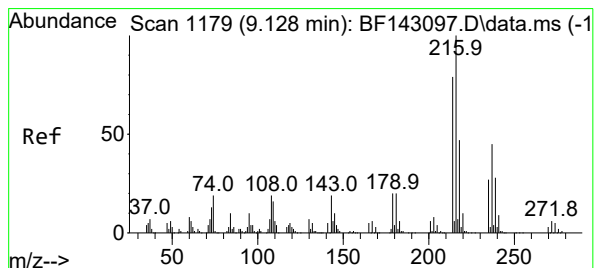
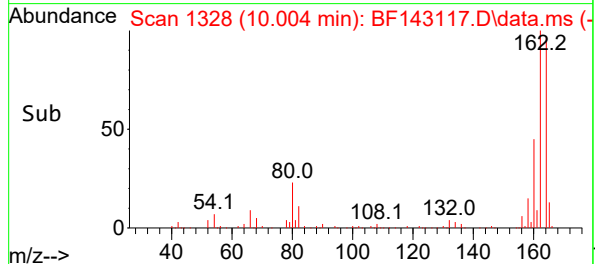
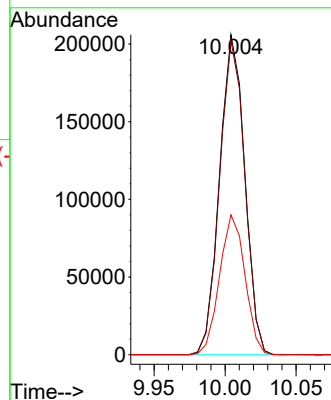
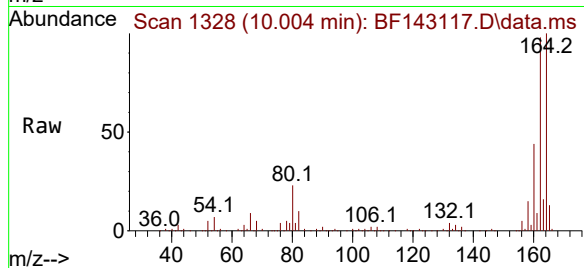
Tgt Ion:164 Resp: 254065

Ion Ratio Lower Upper

164 100

162 98.2 79.0 118.6

160 43.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.885 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Tgt Ion:216 Resp: 287903

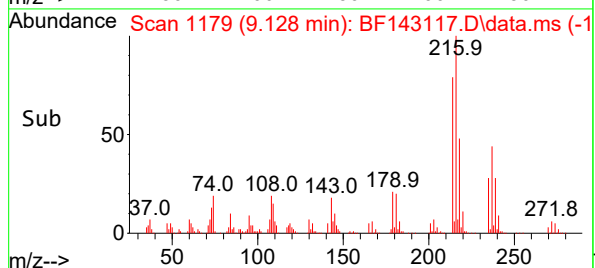
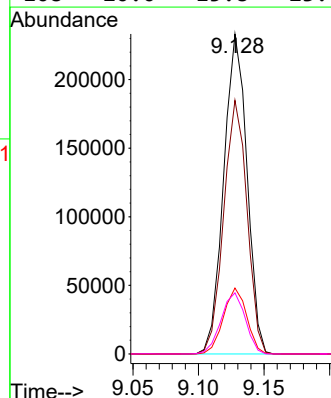
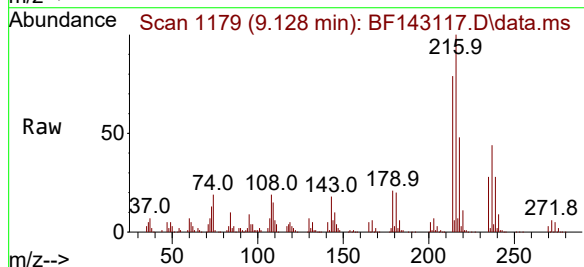
Ion Ratio Lower Upper

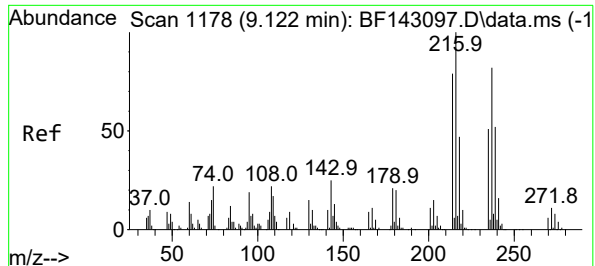
216 100

214 79.1 62.6 94.0

179 20.6 16.2 24.2

108 20.0 15.8 23.6





#41

Hexachlorocyclopentadiene

Concen: 42.225 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

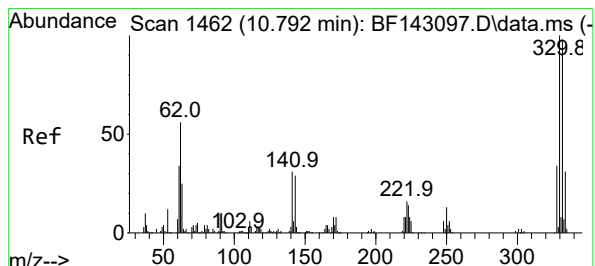
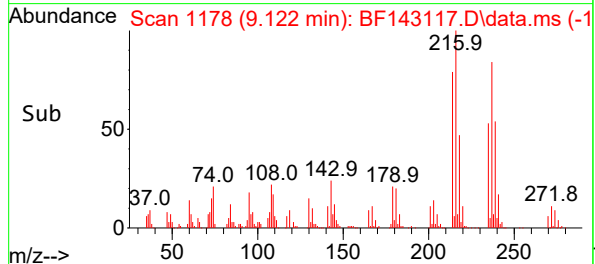
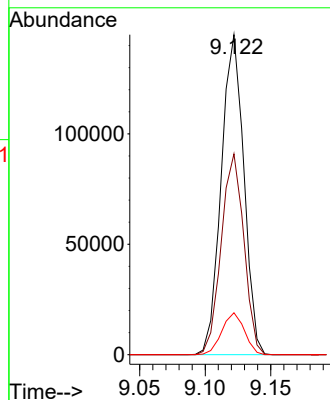
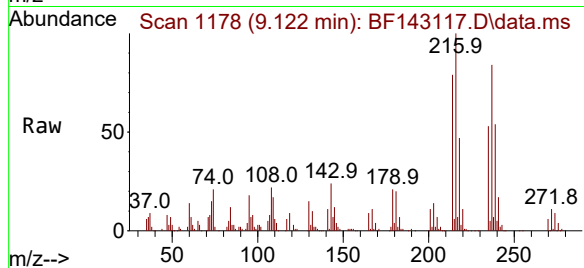
Tgt Ion:237 Resp: 173333

Ion Ratio Lower Upper

237 100

235 62.7 41.6 81.6

272 13.1 0.0 32.9



#42

2,4,6-Tribromophenol

Concen: 85.634 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

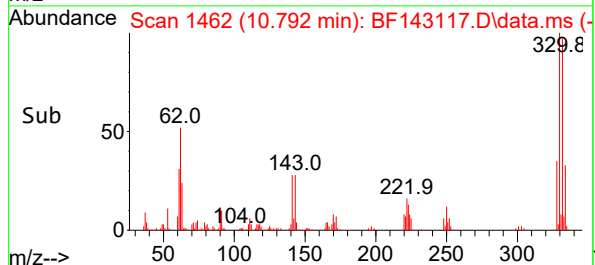
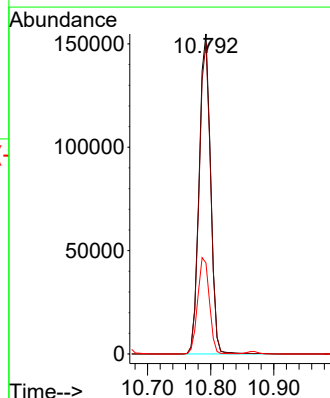
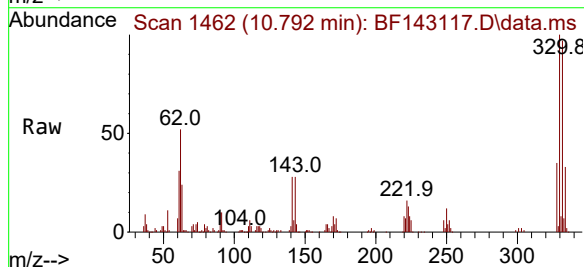
Tgt Ion:330 Resp: 193992

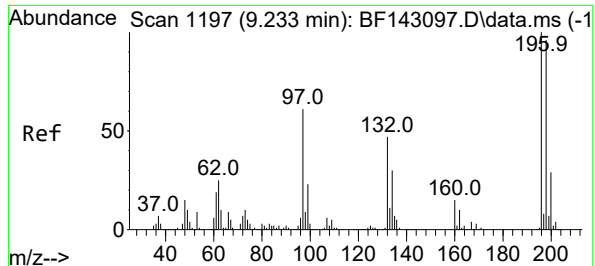
Ion Ratio Lower Upper

330 100

332 97.0 77.9 116.9

141 30.8 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 42.600 ng

RT: 9.234 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

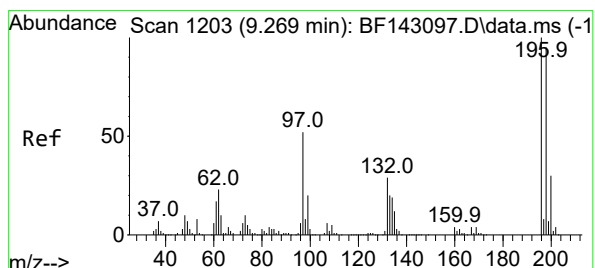
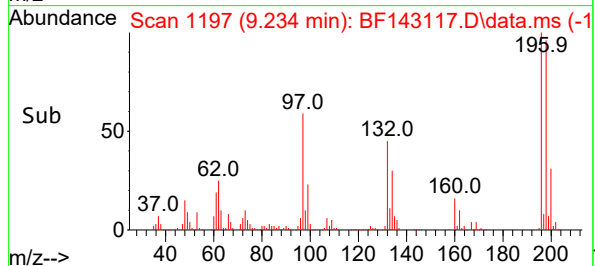
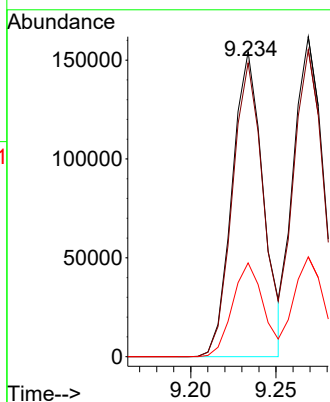
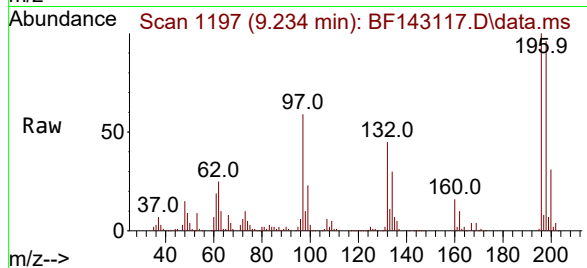
Tgt Ion:196 Resp: 195982

Ion Ratio Lower Upper

196 100

198 96.3 76.9 115.3

200 30.7 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 40.747 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Tgt Ion:196 Resp: 196557

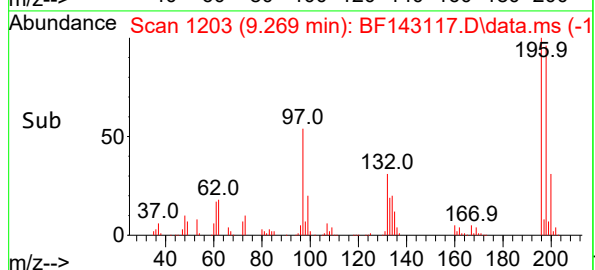
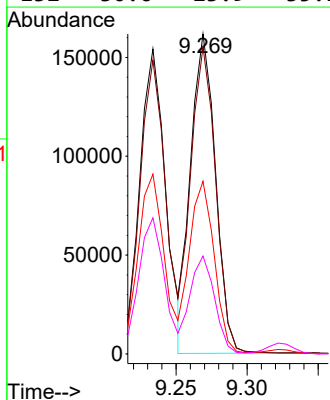
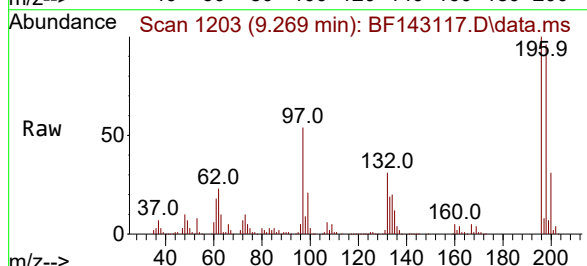
Ion Ratio Lower Upper

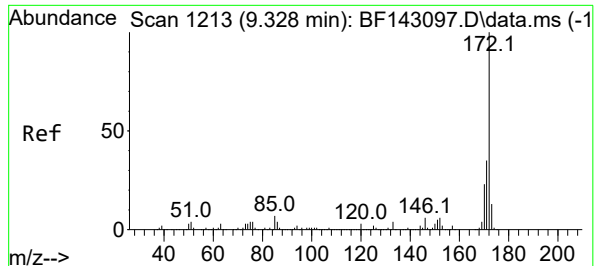
196 100

198 95.9 76.4 114.6

97 53.9 42.4 63.6

132 30.6 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 75.570 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

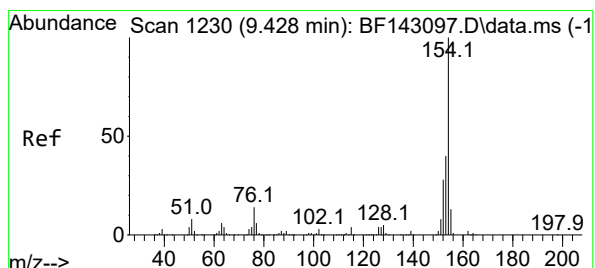
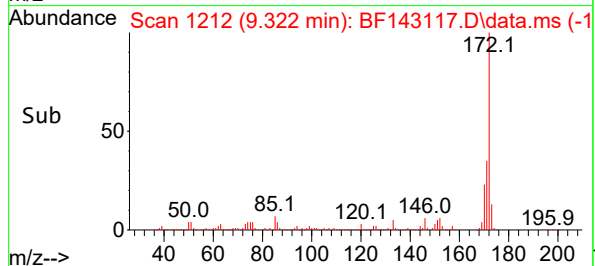
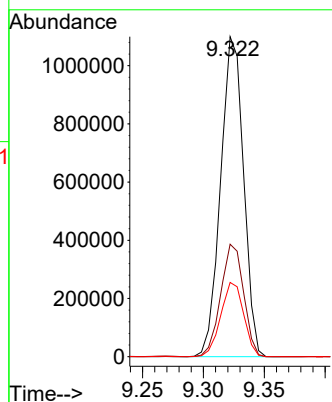
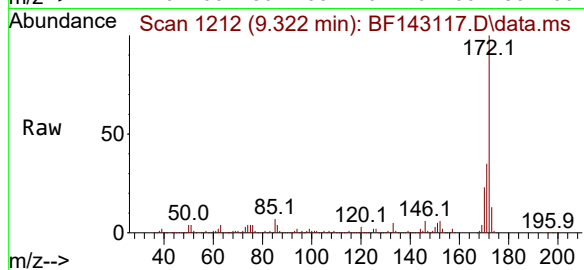
Tgt Ion:172 Resp: 1444367

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.2 18.6 28.0



#46

1,1'-Biphenyl

Concen: 38.466 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

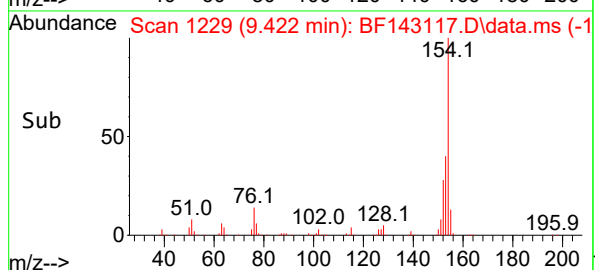
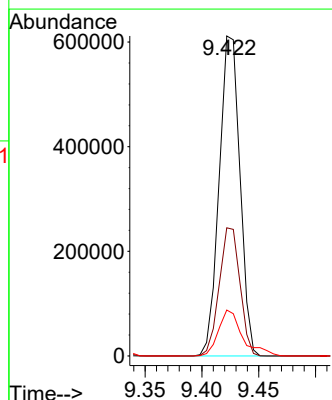
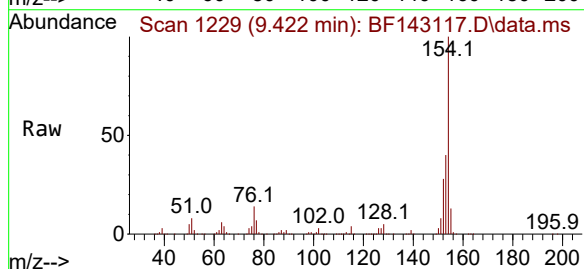
Tgt Ion:154 Resp: 779366

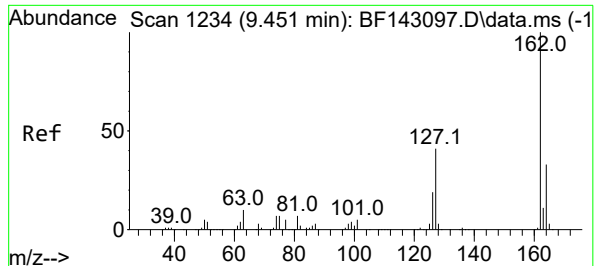
Ion Ratio Lower Upper

154 100

153 40.0 20.1 60.1

76 14.3 0.0 33.7





#47

2-Chloronaphthalene

Concen: 38.546 ng

RT: 9.451 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

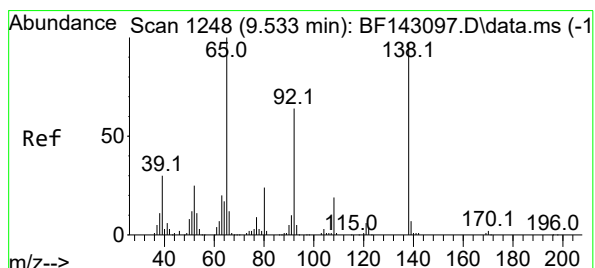
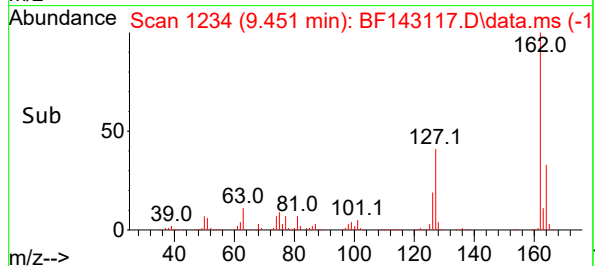
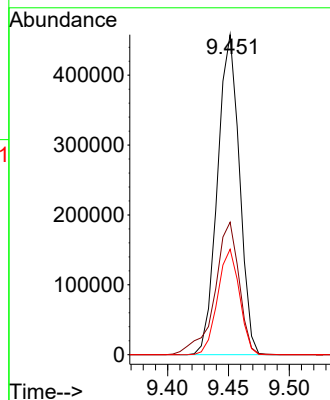
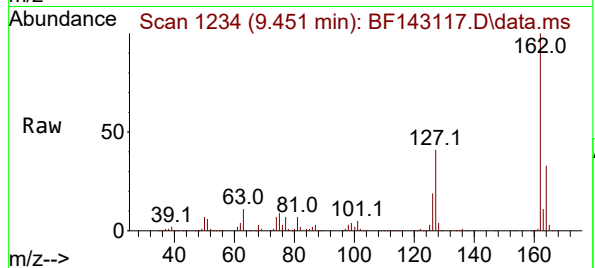
Tgt Ion:162 Resp: 573731

Ion Ratio Lower Upper

162 100

127 41.4 33.0 49.6

164 32.9 26.1 39.1



#48

2-Nitroaniline

Concen: 40.710 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.001 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

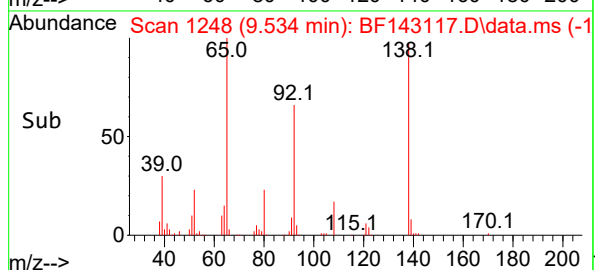
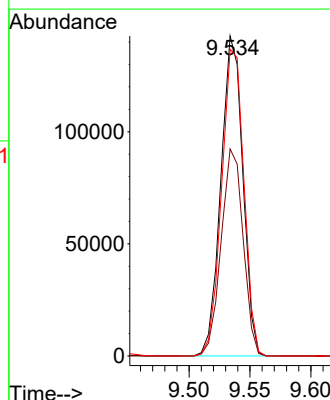
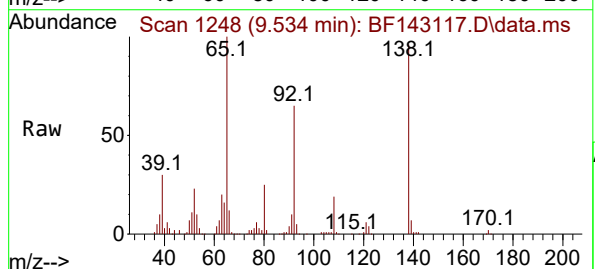
Tgt Ion: 65 Resp: 178618

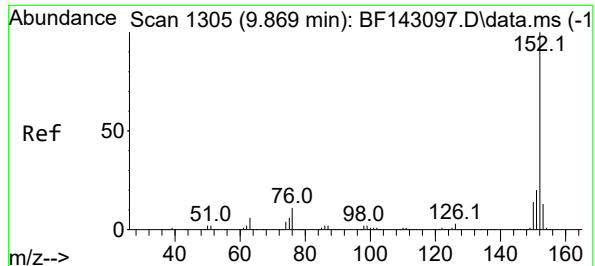
Ion Ratio Lower Upper

65 100

92 64.7 51.3 76.9

138 95.9 77.8 116.6





#49

Acenaphthylene

Concen: 39.176 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

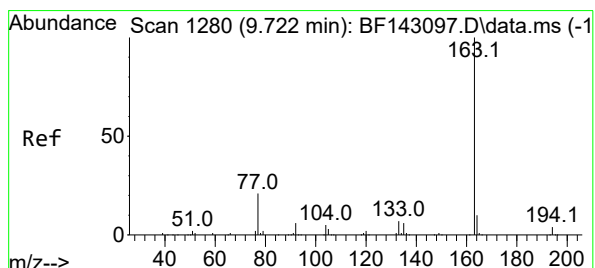
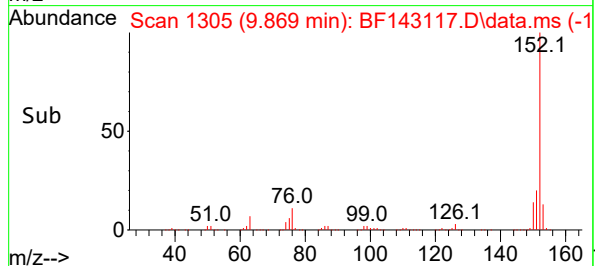
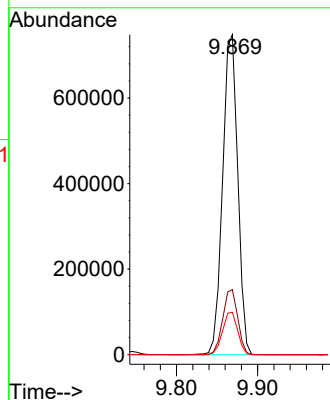
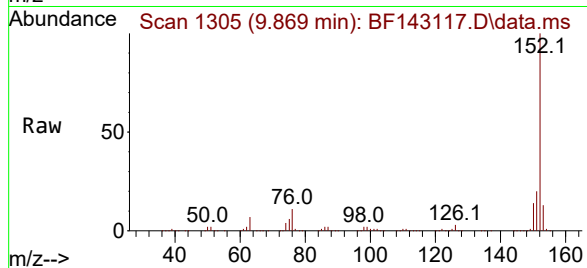
Tgt Ion:152 Resp: 971647

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.8

153 13.3 10.4 15.6



#50

Dimethylphthalate

Concen: 39.291 ng

RT: 9.722 min Scan# 1280

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

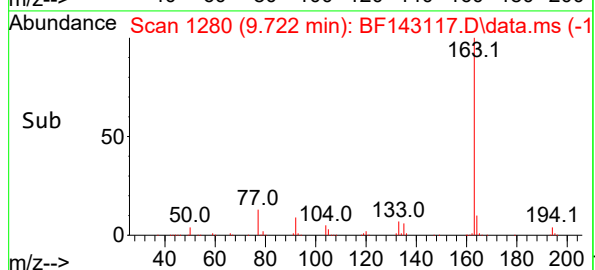
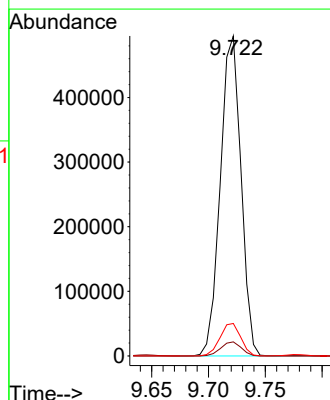
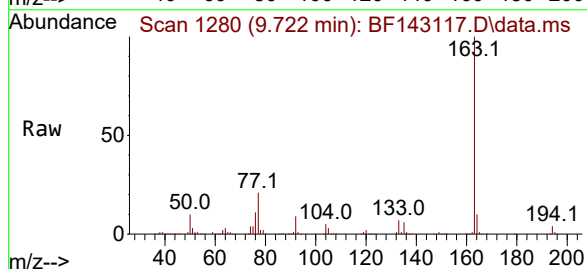
Tgt Ion:163 Resp: 628010

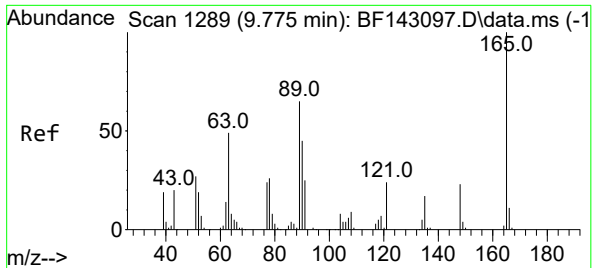
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.2 8.2 12.2

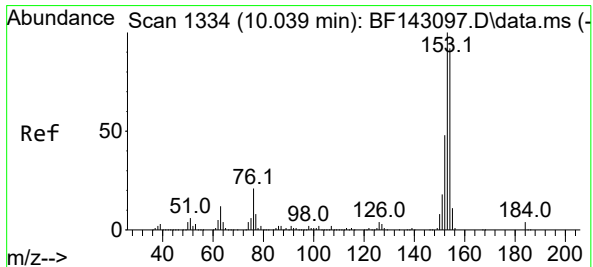
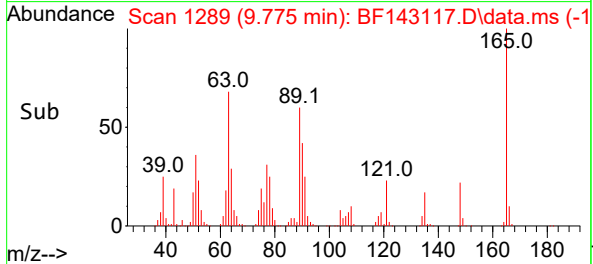
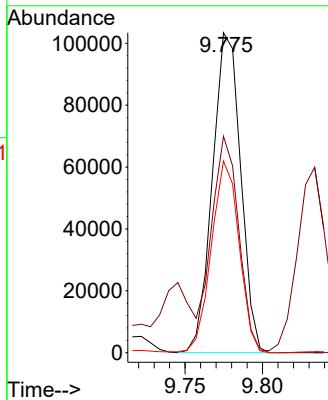
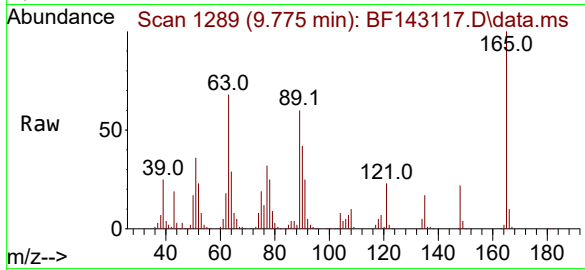




#51
2,6-Dinitrotoluene
Concen: 41.829 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

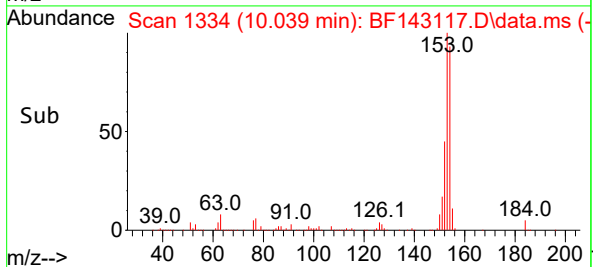
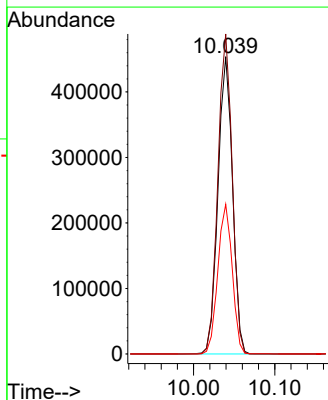
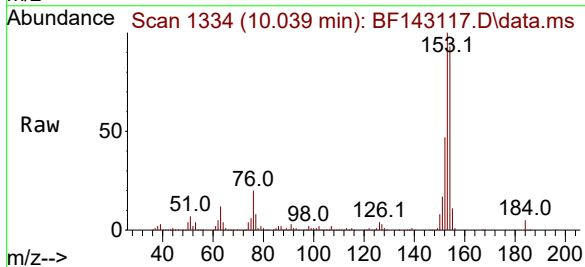
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

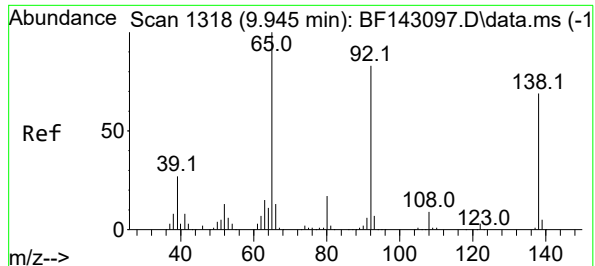
Tgt Ion:165 Resp: 130906
Ion Ratio Lower Upper
165 100
63 67.7 57.4 86.0
89 59.9 51.8 77.8



#52
Acenaphthene
Concen: 38.701 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:154 Resp: 566434
Ion Ratio Lower Upper
154 100
153 107.6 86.7 130.1
152 50.3 41.4 62.2





#53

3-Nitroaniline

Concen: 43.942 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

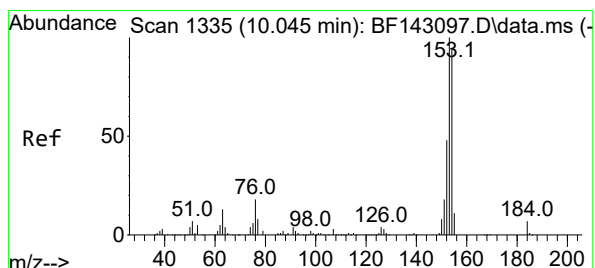
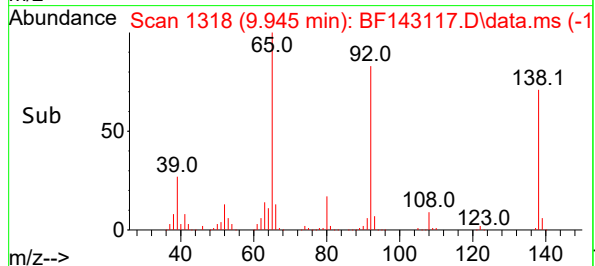
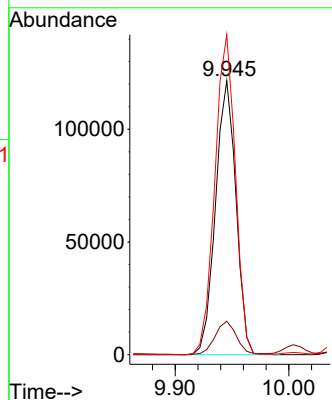
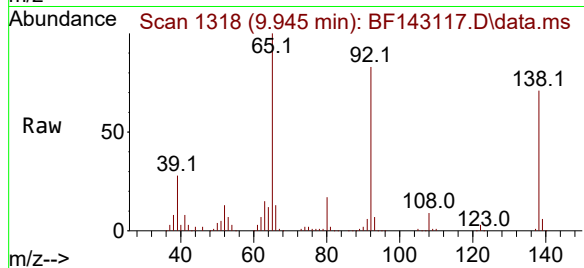
Tgt Ion:138 Resp: 151765

Ion Ratio Lower Upper

138 100

108 12.2 10.1 15.1

92 116.8 96.4 144.6



#54

2,4-Dinitrophenol

Concen: 42.980 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

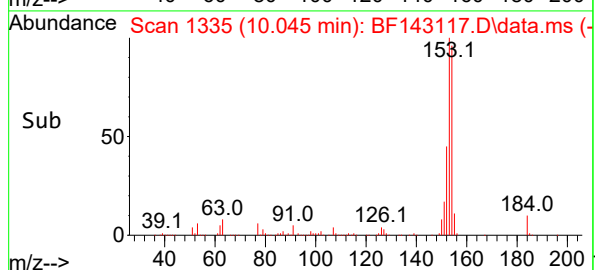
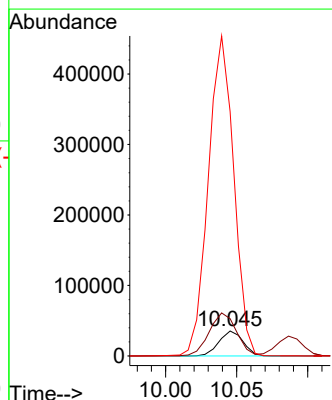
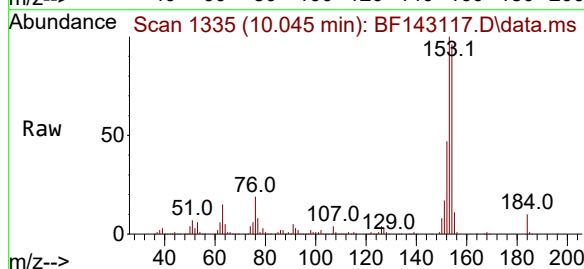
Tgt Ion:184 Resp: 41904

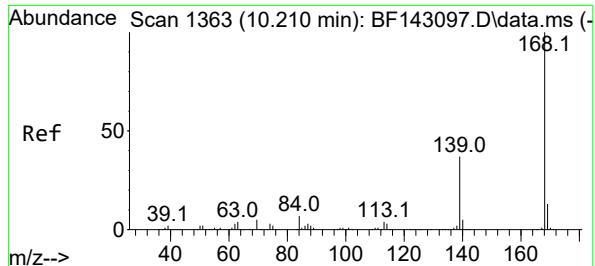
Ion Ratio Lower Upper

184 100

63 149.9 149.3 223.9

154 980.5 1048.0 1572.0#





#55

Dibenzofuran

Concen: 38.413 ng

RT: 10.210 min Scan# 1363

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

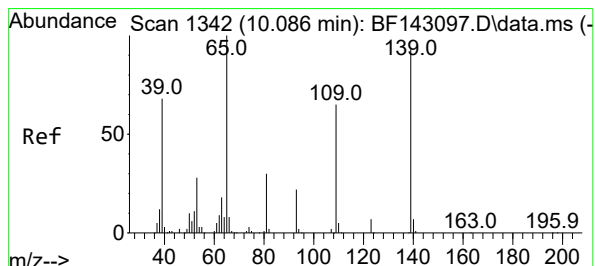
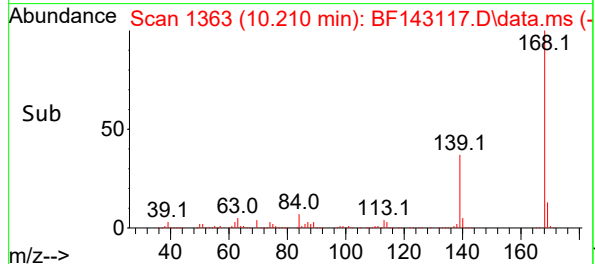
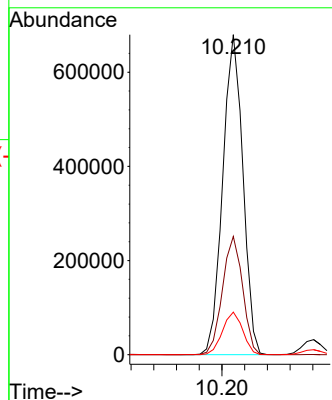
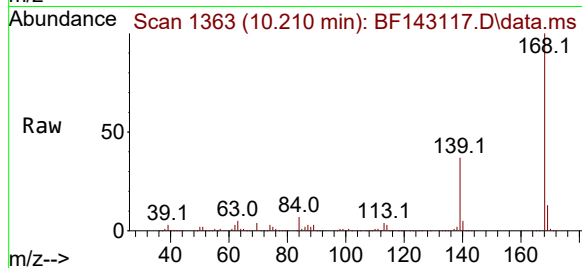
Tgt Ion:168 Resp: 838011

Ion Ratio Lower Upper

168 100

139 37.0 29.8 44.6

169 13.3 10.8 16.2



#56

4-Nitrophenol

Concen: 42.650 ng

RT: 10.086 min Scan# 1342

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

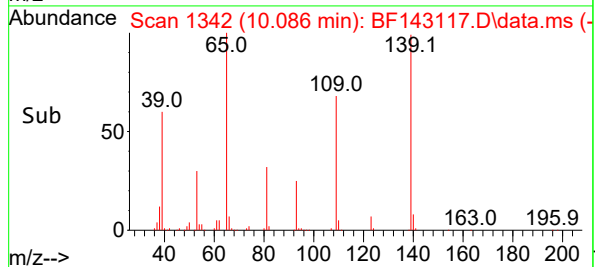
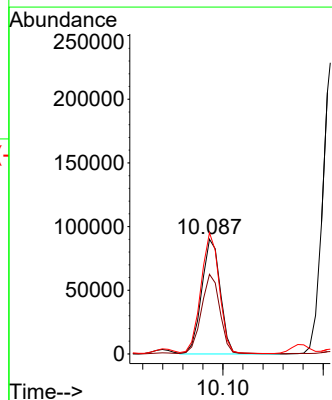
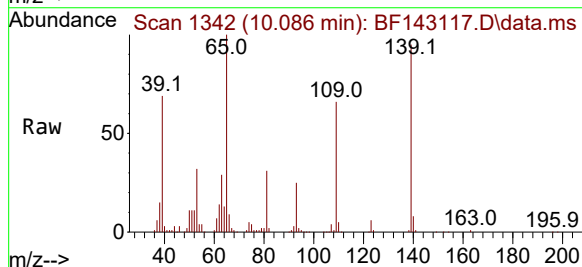
Tgt Ion:139 Resp: 117068

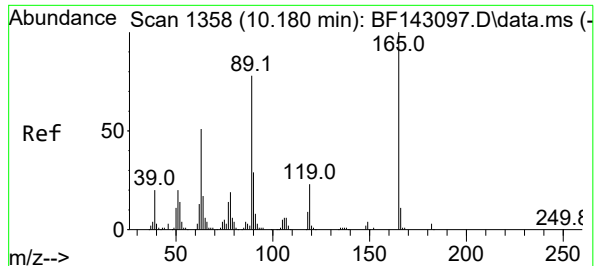
Ion Ratio Lower Upper

139 100

109 69.5 49.4 89.4

65 105.7 88.2 128.2





#57

2,4-Dinitrotoluene

Concen: 40.106 ng

RT: 10.181 min Scan# 1358

Delta R.T. 0.001 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 155813

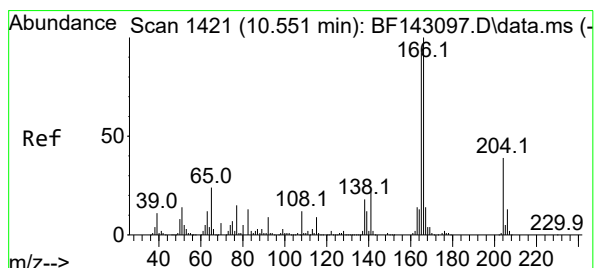
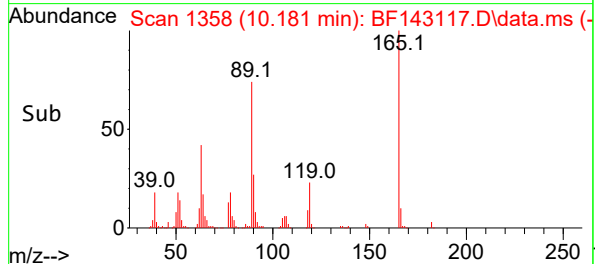
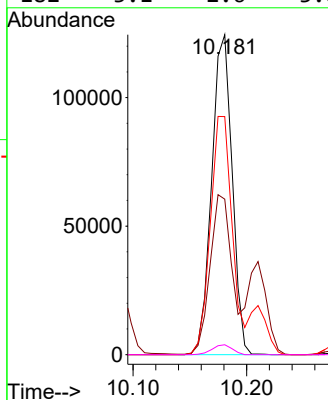
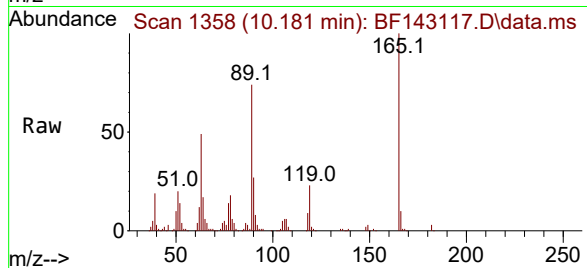
Ion Ratio Lower Upper

165 100

63 48.6 40.6 61.0

89 74.4 62.3 93.5

182 3.1 2.6 3.8



#58

Fluorene

Concen: 37.875 ng

RT: 10.551 min Scan# 1421

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

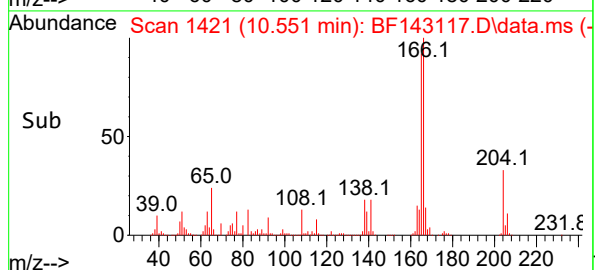
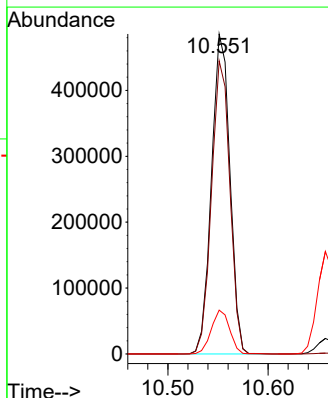
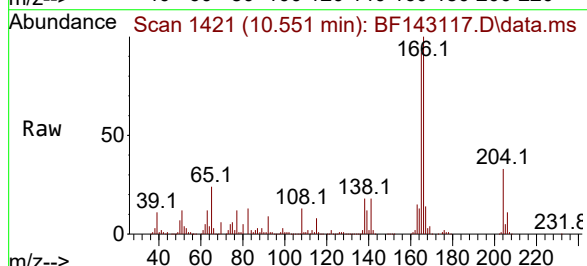
Tgt Ion:166 Resp: 619482

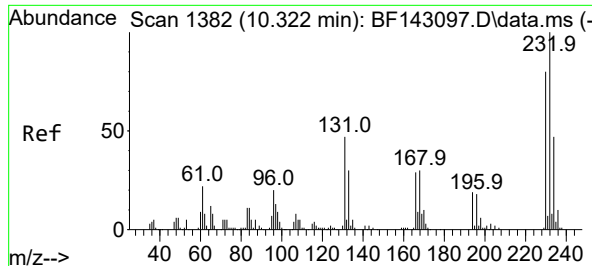
Ion Ratio Lower Upper

166 100

165 91.6 73.7 110.5

167 13.7 10.9 16.3

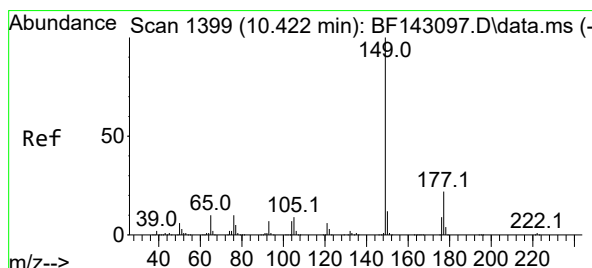
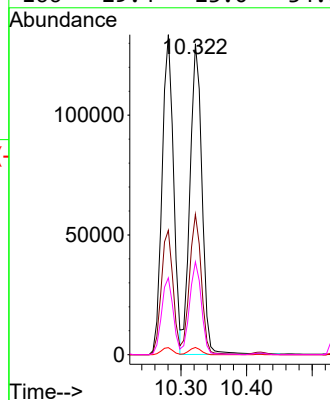
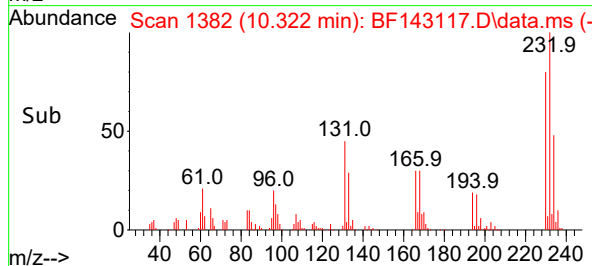
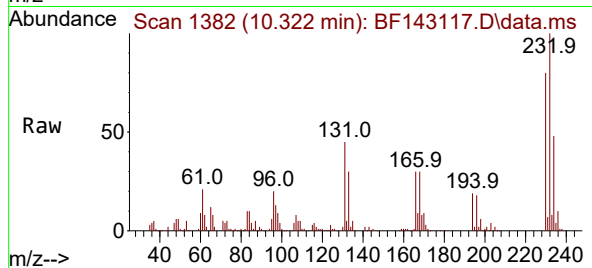




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.914 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

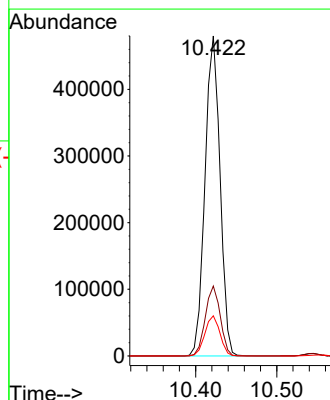
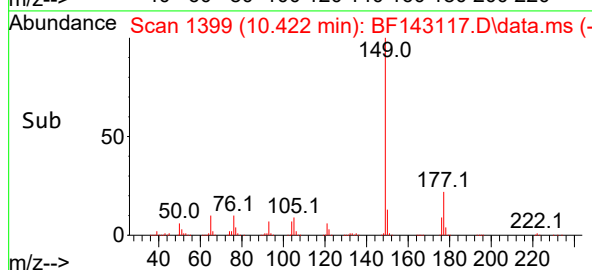
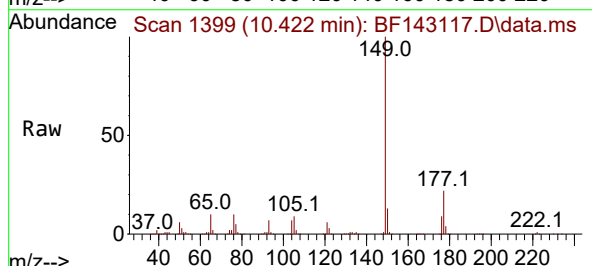
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

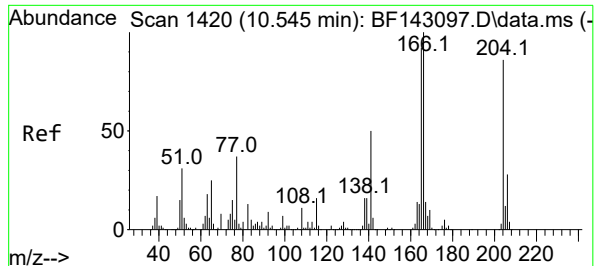
Tgt Ion:232 Resp: 164509
Ion Ratio Lower Upper
232 100
131 44.1 36.9 55.3
130 2.3 1.8 2.8
166 29.4 23.0 34.6



#60
Diethylphthalate
Concen: 39.920 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:149 Resp: 615586
Ion Ratio Lower Upper
149 100
177 21.8 17.3 25.9
150 12.6 9.9 14.9

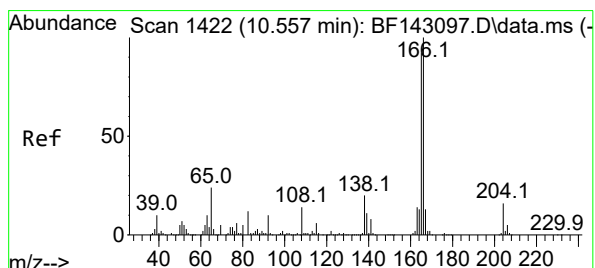
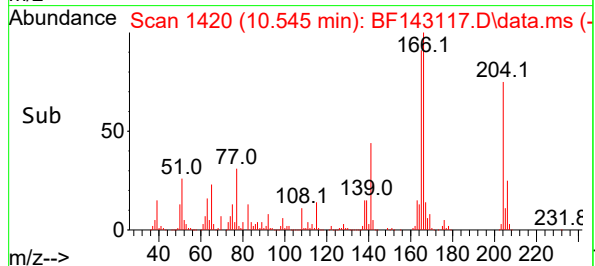
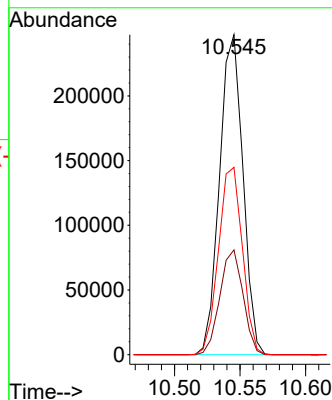
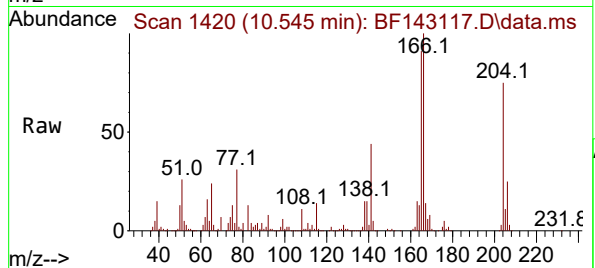




#61
4-Chlorophenyl-phenylether
Concen: 39.072 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

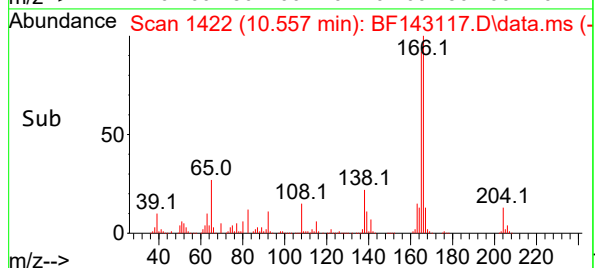
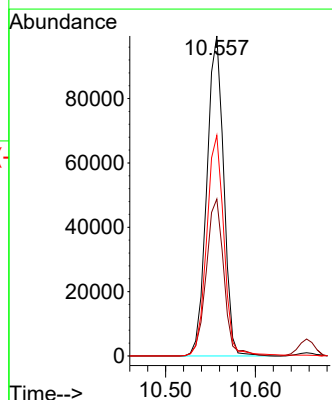
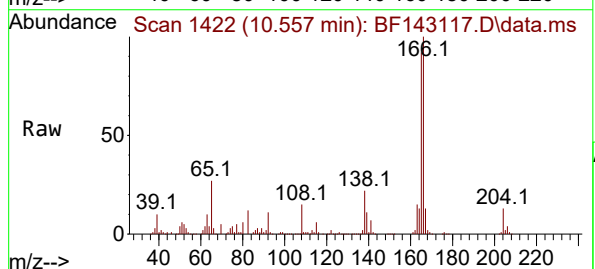
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

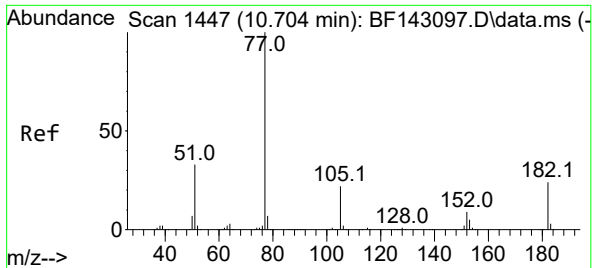
Tgt Ion:204 Resp: 306293
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.6
141 58.6 46.8 70.2



#62
4-Nitroaniline
Concen: 43.204 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:138 Resp: 129761
Ion Ratio Lower Upper
138 100
92 49.1 30.4 70.4
108 68.9 49.5 89.5

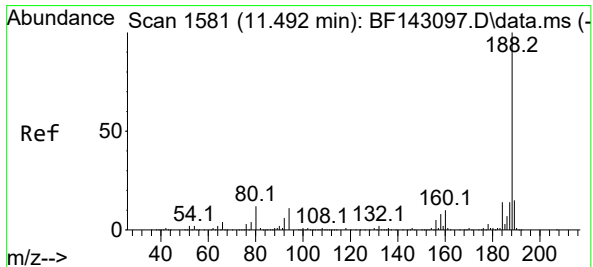
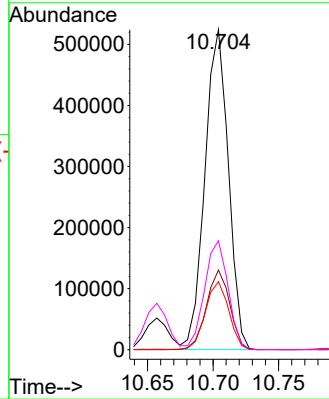
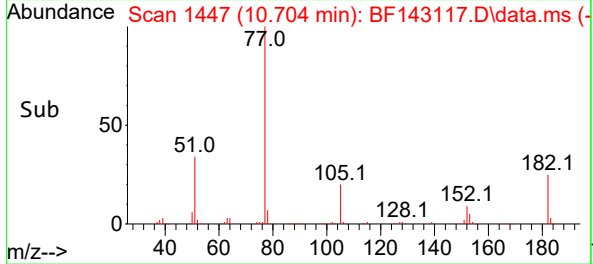
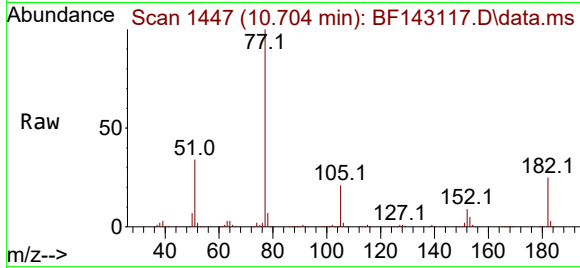




#63
Azobenzene
Concen: 38.265 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

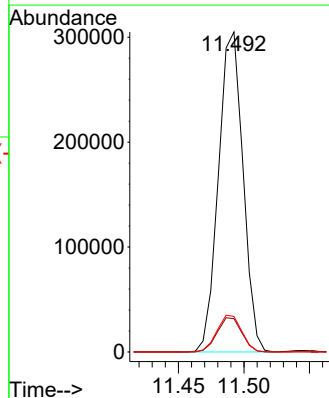
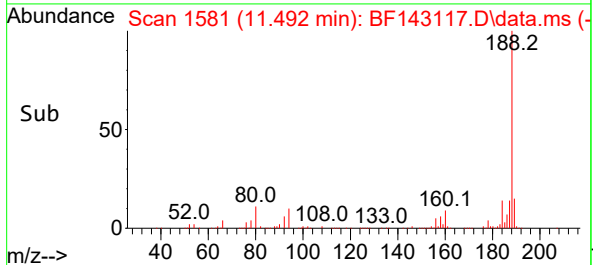
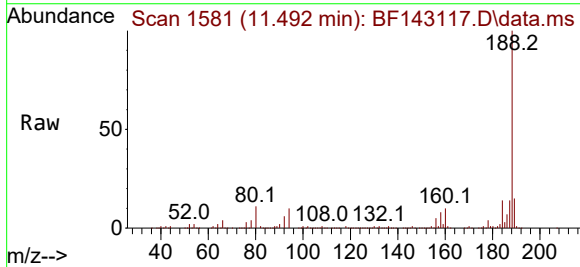
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

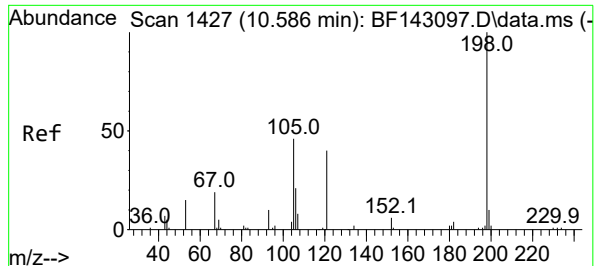
Tgt Ion:	77	Resp:	652575
Ion	Ratio	Lower	Upper
77	100		
182	24.9	4.0	44.0
105	21.3	1.4	41.4
51	34.1	14.3	54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:	188	Resp:	397173
Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.1	9.3	13.9

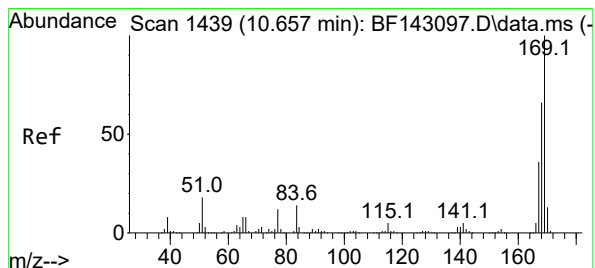
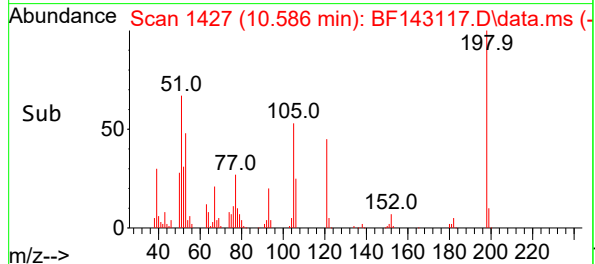
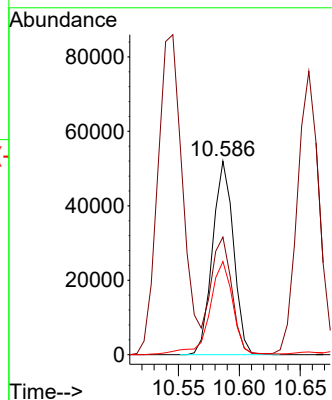
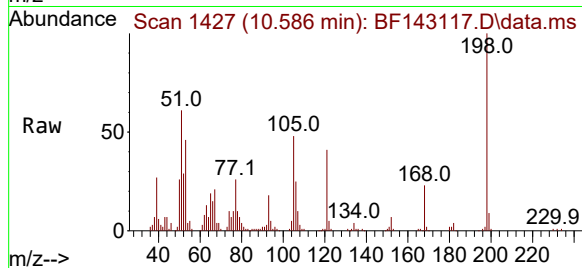




#65
4,6-Dinitro-2-methylphenol
Concen: 43.295 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

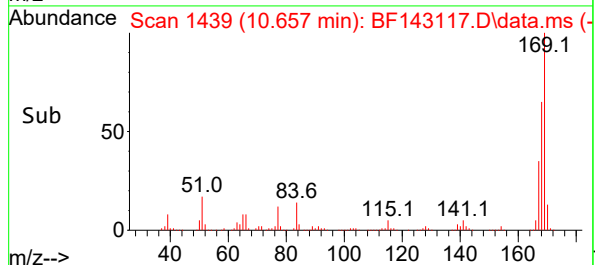
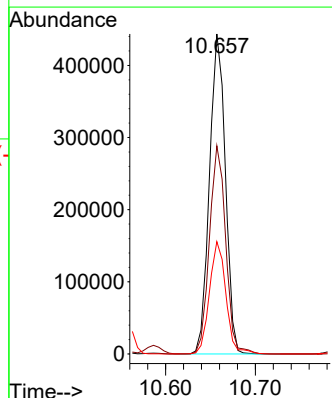
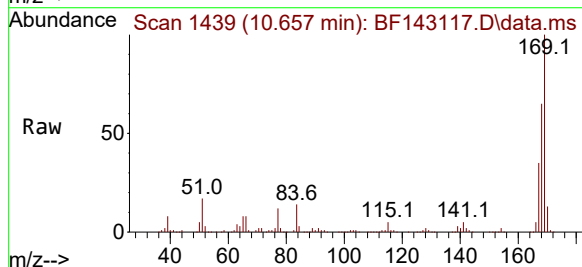
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

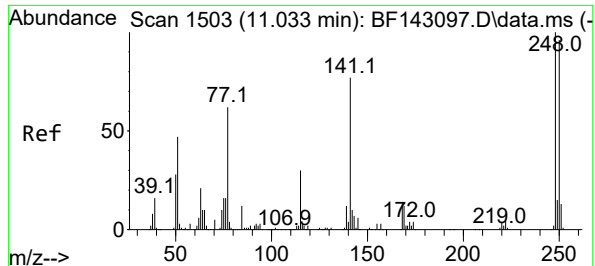
Tgt Ion:198 Resp: 62192
Ion Ratio Lower Upper
198 100
51 60.8 44.6 84.6
105 48.2 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 39.129 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:169 Resp: 545898
Ion Ratio Lower Upper
169 100
168 65.1 53.0 79.6
167 35.1 28.4 42.6

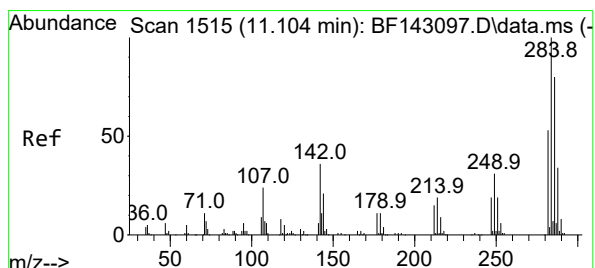
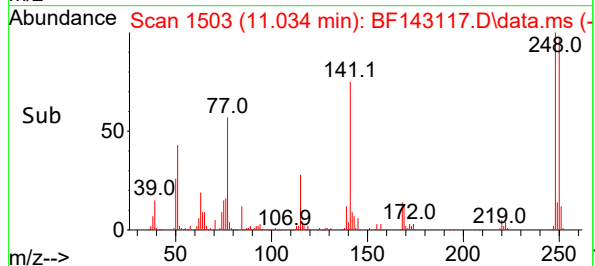
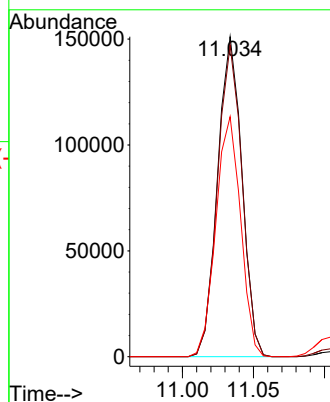
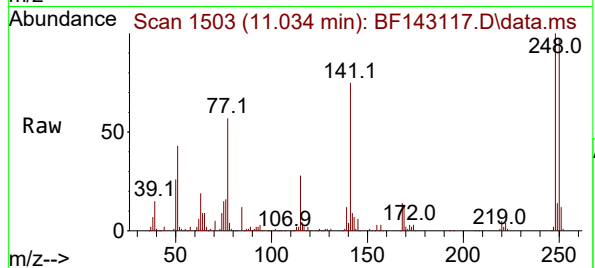




#67
4-Bromophenyl-phenylether
Concen: 39.949 ng
RT: 11.034 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

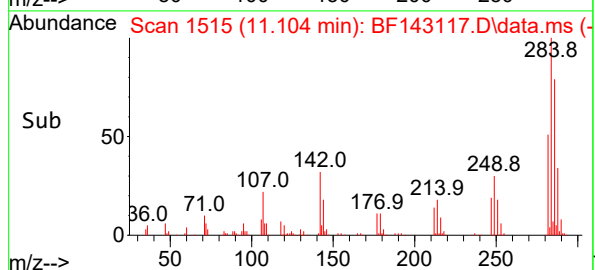
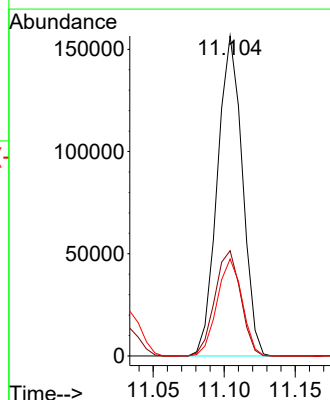
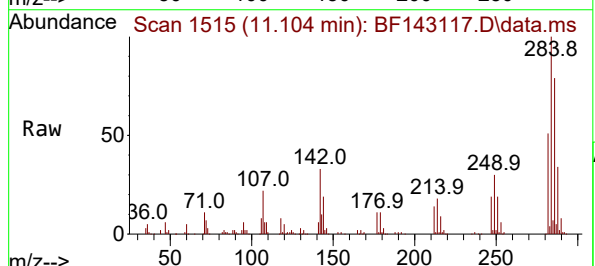
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

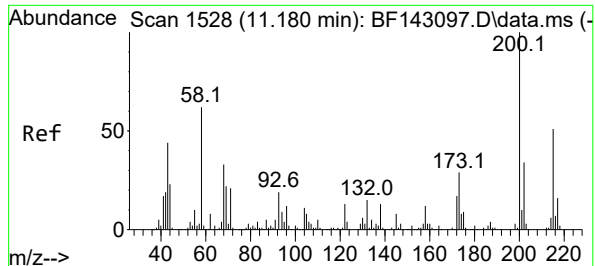
Tgt Ion:248 Resp: 180440
Ion Ratio Lower Upper
248 100
250 97.3 76.7 115.1
141 75.0 61.7 92.5



#68
Hexachlorobenzene
Concen: 39.950 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:284 Resp: 191457
Ion Ratio Lower Upper
284 100
142 32.9 28.9 43.3
249 30.3 24.6 37.0





#69

Atrazine

Concen: 40.708 ng

RT: 11.181 min Scan# 1528

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

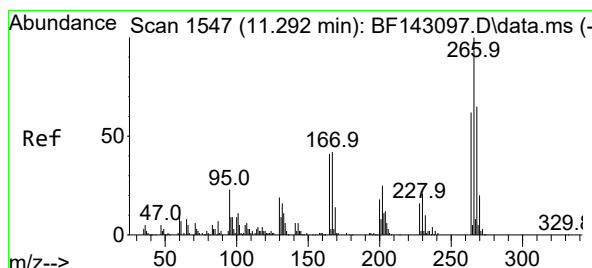
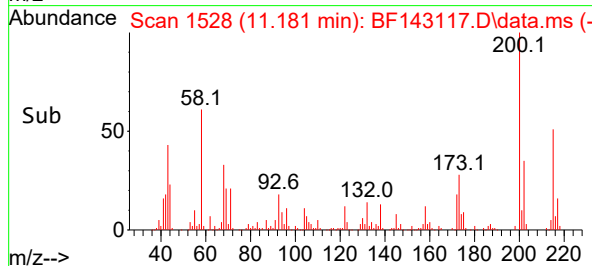
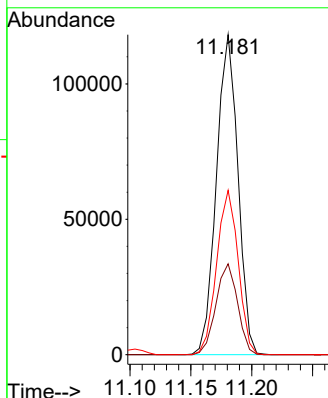
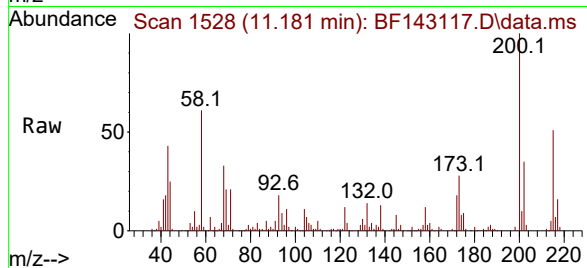
Tgt Ion:200 Resp: 145300

Ion Ratio Lower Upper

200 100

173 28.4 9.1 49.1

215 51.4 31.0 71.0



#70

Pentachlorophenol

Concen: 43.376 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

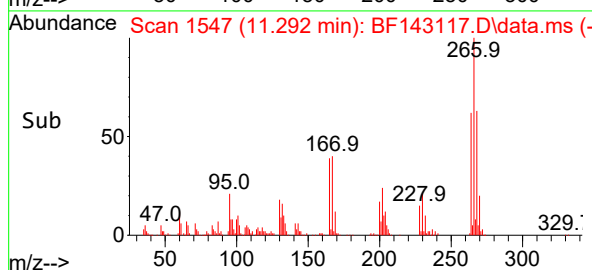
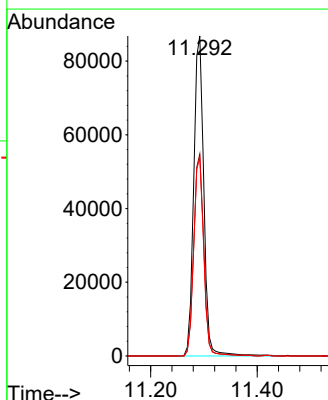
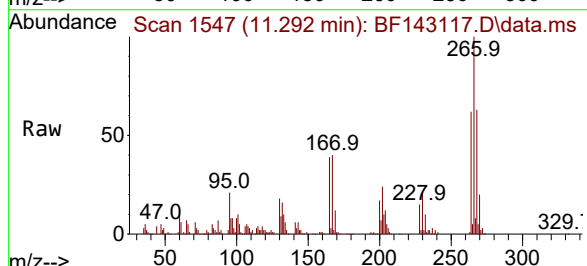
Tgt Ion:266 Resp: 114049

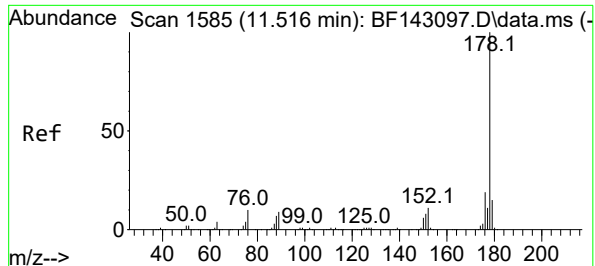
Ion Ratio Lower Upper

266 100

268 63.1 51.8 77.6

264 62.0 49.7 74.5

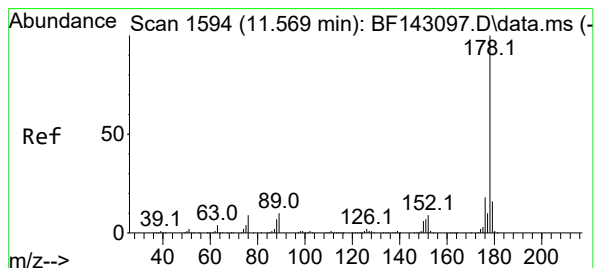
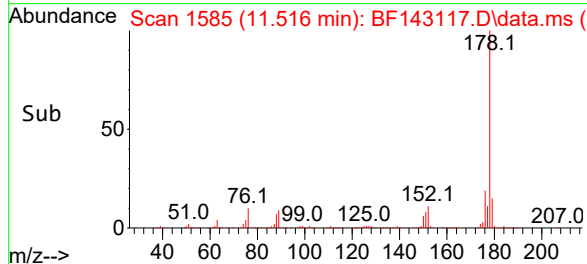
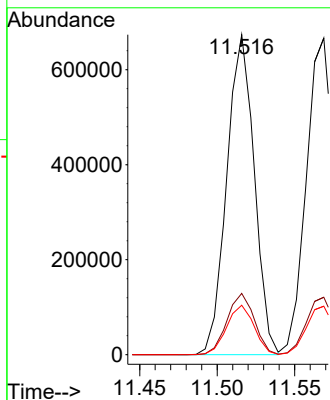
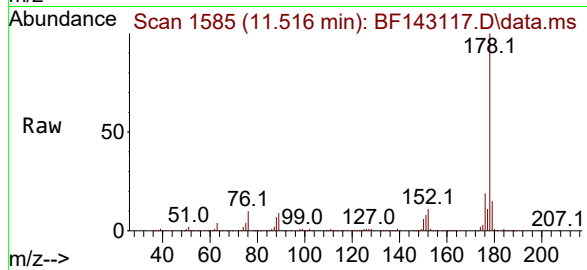




#71
Phenanthrene
Concen: 38.780 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

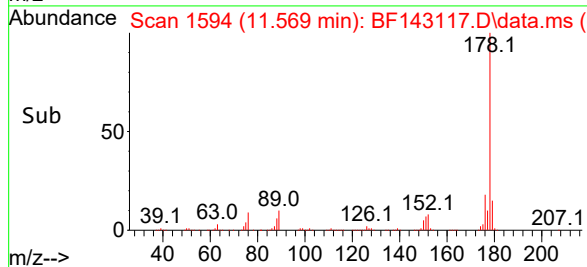
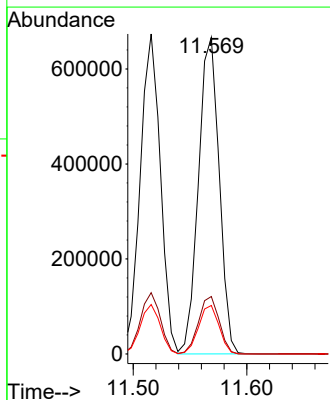
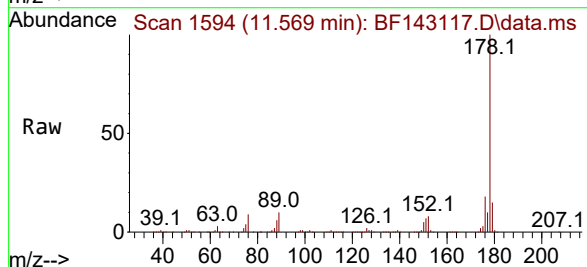
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

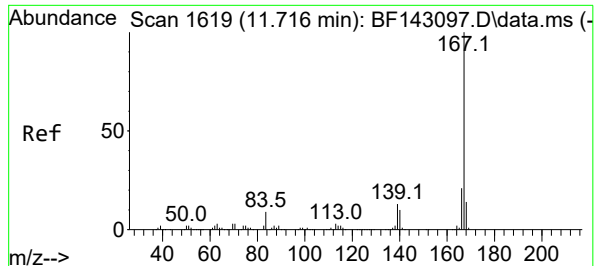
Tgt Ion:178 Resp: 831246
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.4 12.2 18.4



#72
Anthracene
Concen: 39.169 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:178 Resp: 844296
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 15.3 12.4 18.6

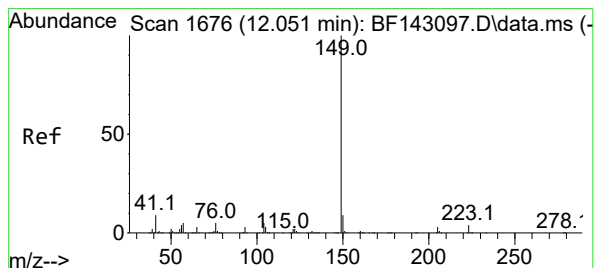
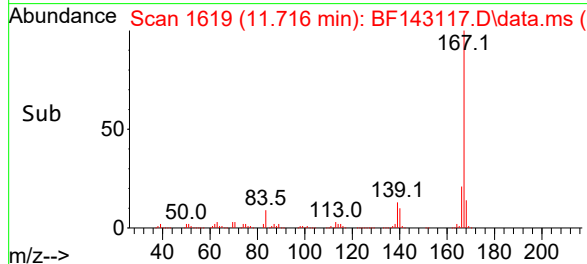
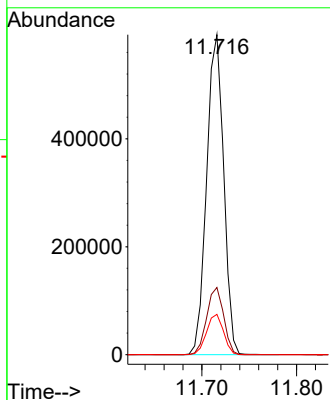
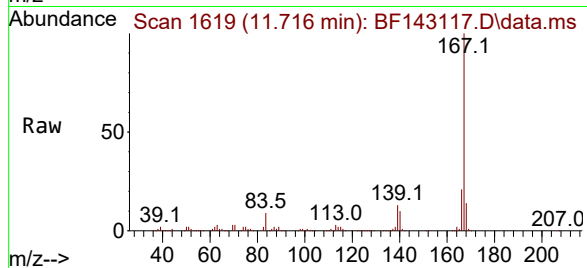




#73
Carbazole
Concen: 38.436 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

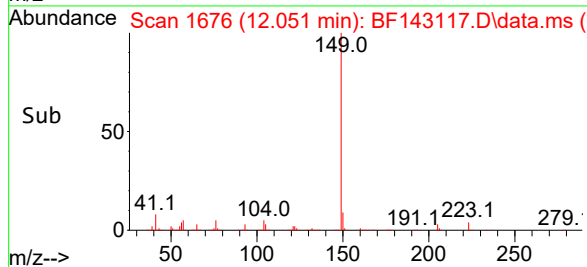
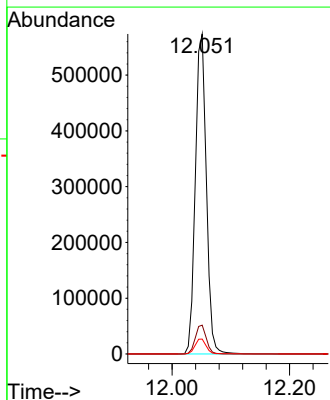
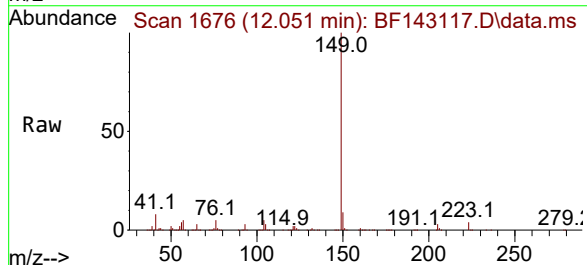
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

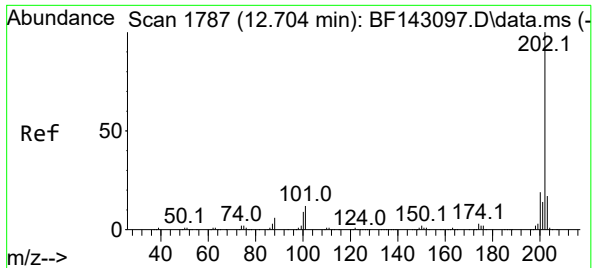
Tgt Ion:167 Resp: 742234
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.6 10.2 15.4



#74
Di-n-butylphthalate
Concen: 41.970 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:149 Resp: 743944
Ion Ratio Lower Upper
149 100
150 9.0 7.3 10.9
104 4.6 3.8 5.8

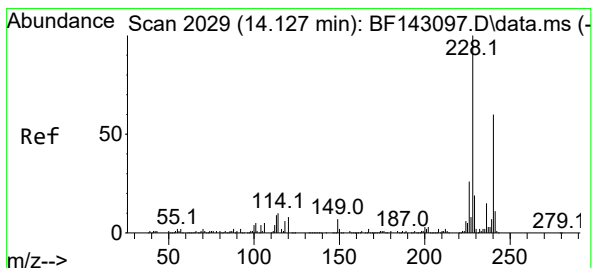
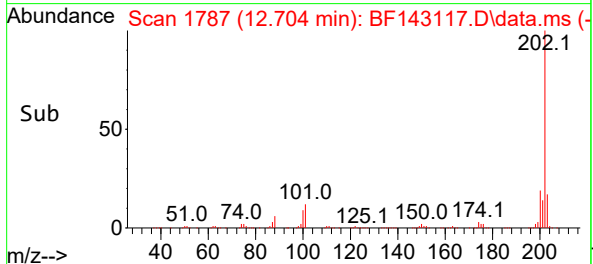
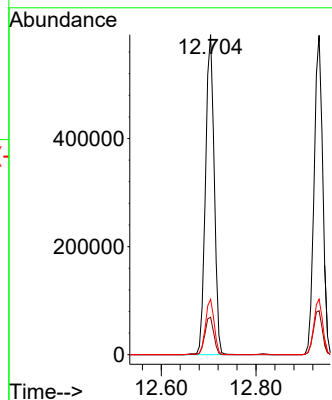
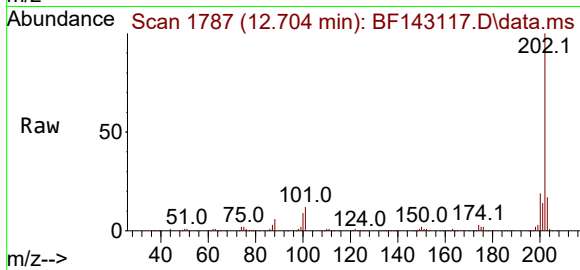




#75
Fluoranthene
Concen: 38.604 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

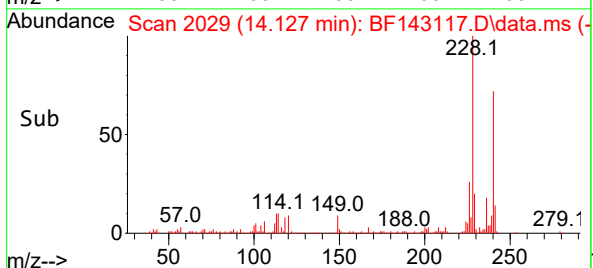
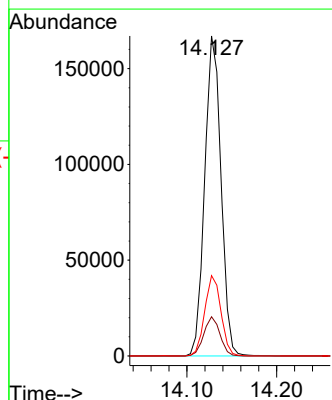
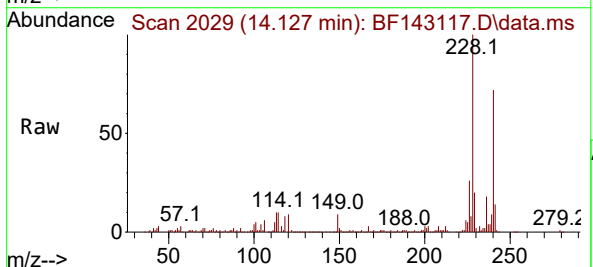
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

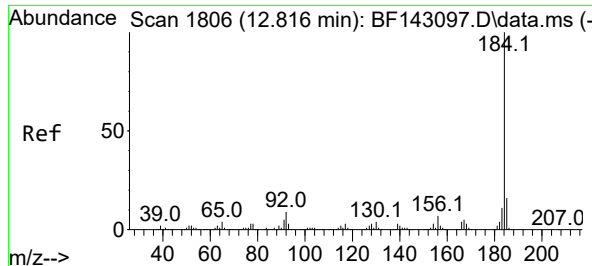
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.4
203	17.4	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.0	15.0
236	25.1	20.0	30.0





#77

Benzidine

Concen: 38.177 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

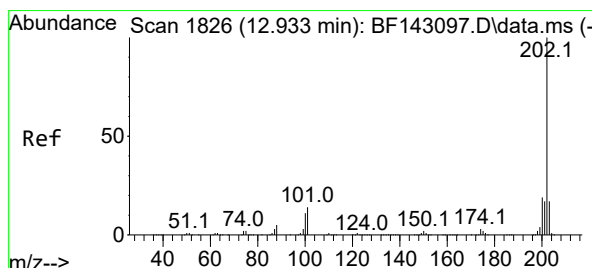
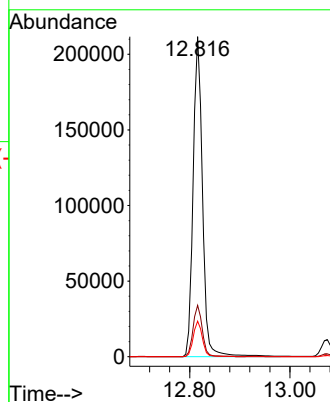
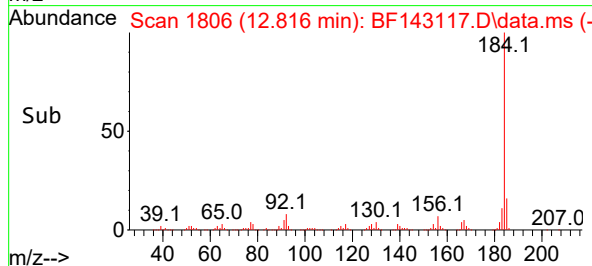
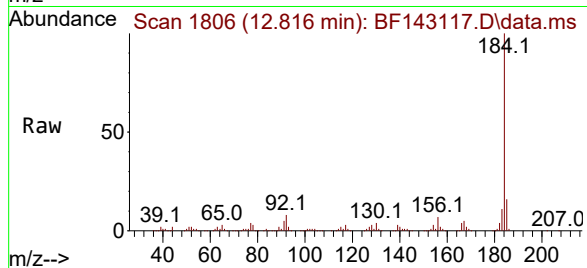
Tgt Ion:184 Resp: 274069

Ion Ratio Lower Upper

184 100

185 16.0 12.4 18.6

183 11.1 8.6 12.8



#78

Pyrene

Concen: 38.214 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

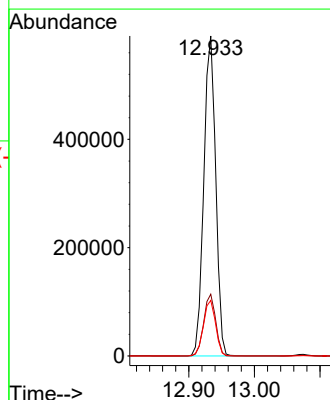
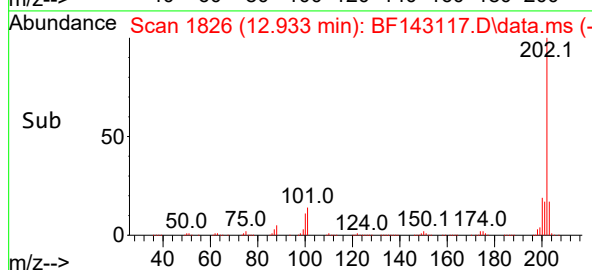
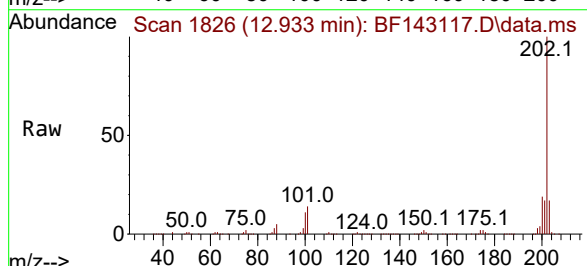
Tgt Ion:202 Resp: 747120

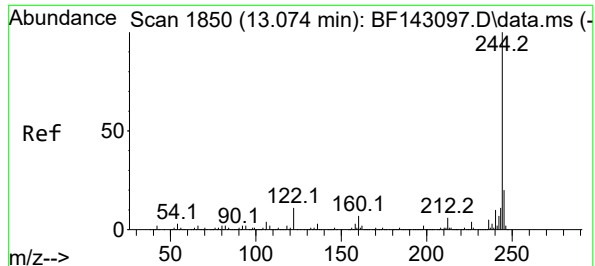
Ion Ratio Lower Upper

202 100

200 19.3 15.5 23.3

203 17.4 14.0 21.0





#79

Terphenyl-d14

Concen: 76.150 ng

RT: 13.075 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

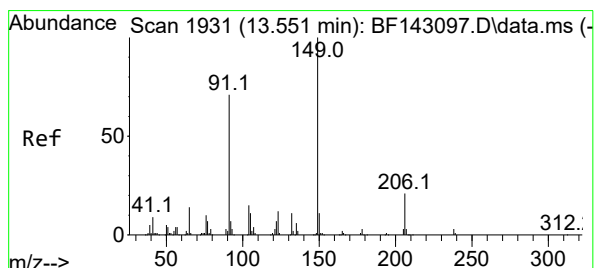
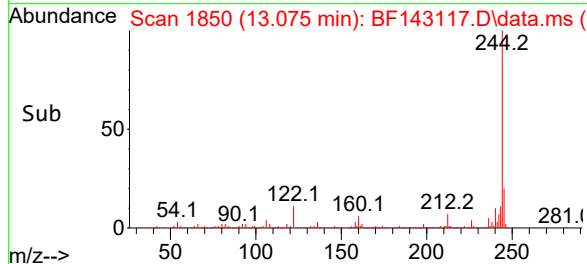
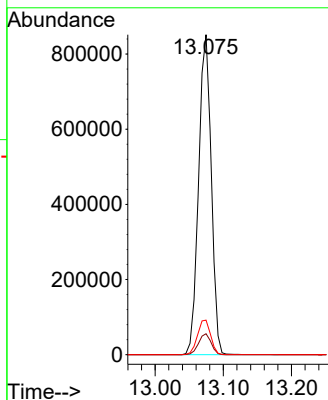
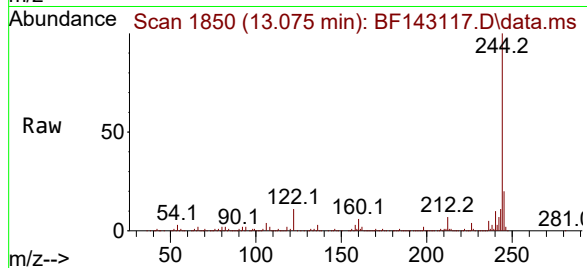
Tgt Ion:244 Resp: 1097674

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 10.8 8.8 13.2



#80

Butylbenzylphthalate

Concen: 39.754 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

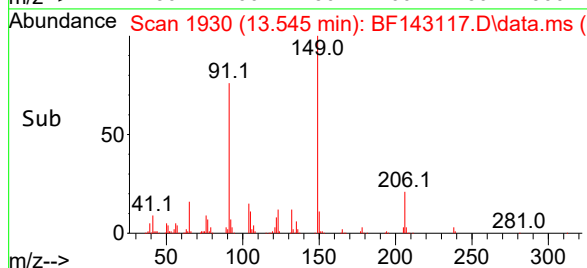
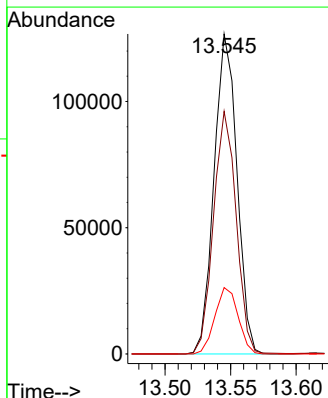
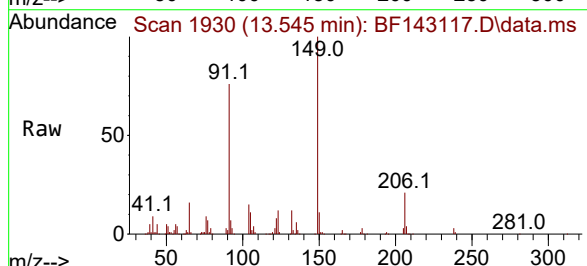
Tgt Ion:149 Resp: 153672

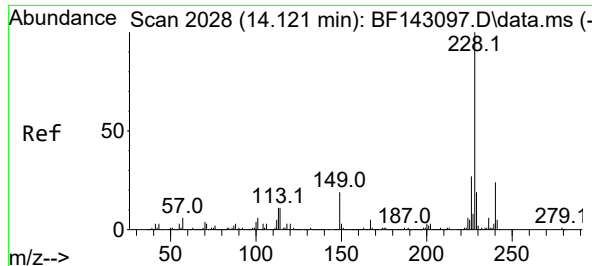
Ion Ratio Lower Upper

149 100

91 75.8 57.0 85.4

206 20.7 17.2 25.8

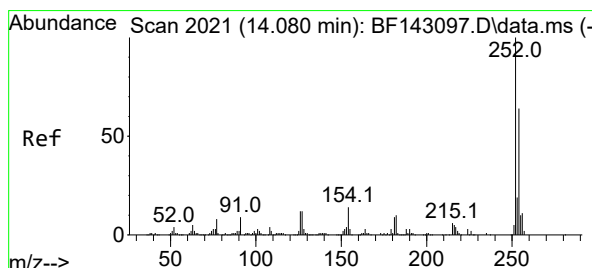
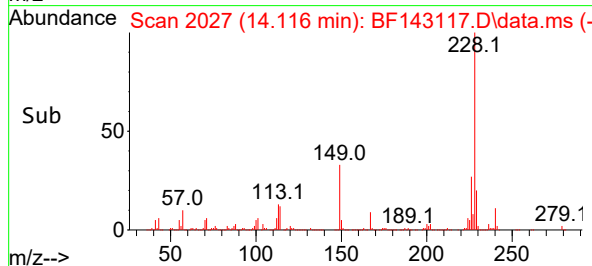
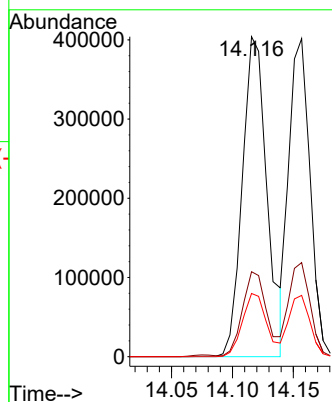
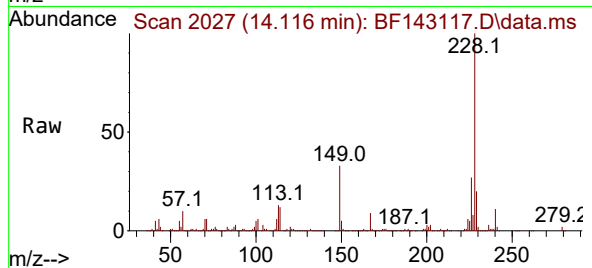




#81
Benzo(a)anthracene
Concen: 40.624 ng
RT: 14.116 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

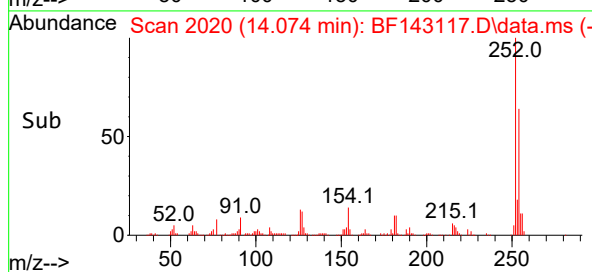
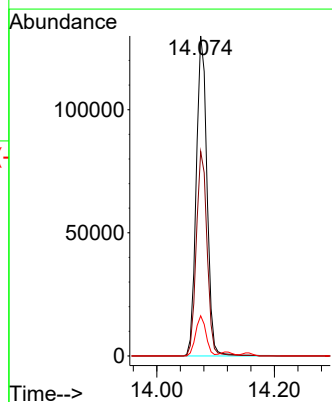
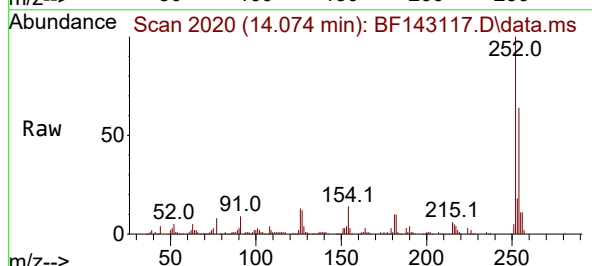
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

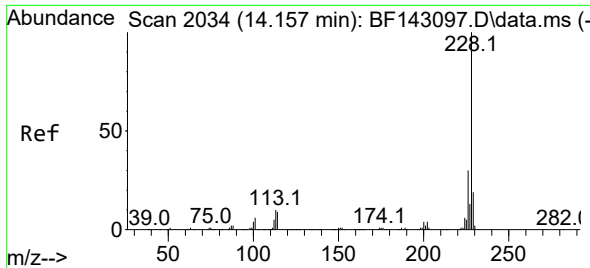
Tgt Ion:228 Resp: 570413
Ion Ratio Lower Upper
228 100
226 26.5 21.3 31.9
229 19.7 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 40.409 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:252 Resp: 164768
Ion Ratio Lower Upper
252 100
254 63.9 51.5 77.3
126 12.6 9.4 14.0

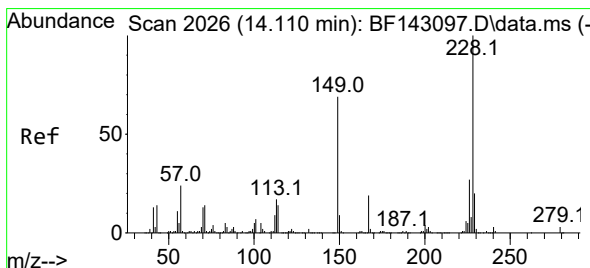
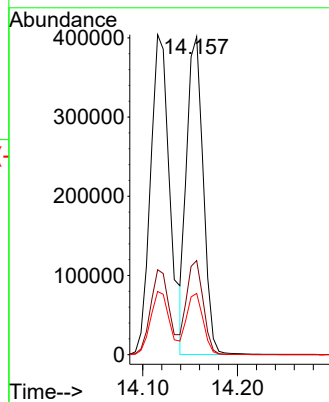
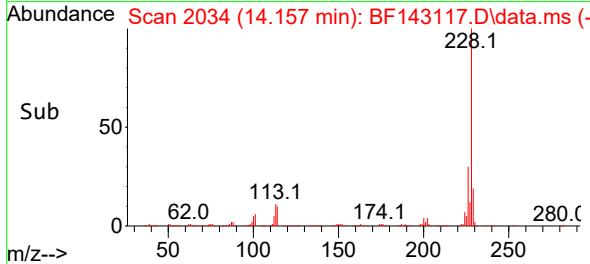
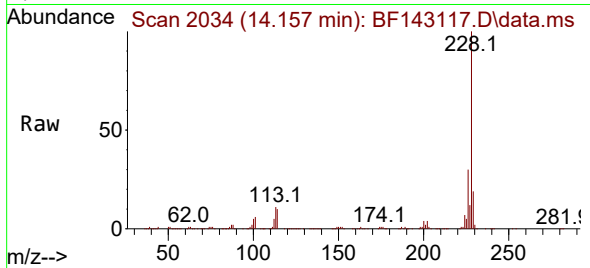




#83
Chrysene
Concen: 37.657 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

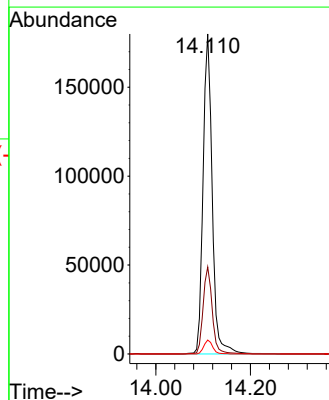
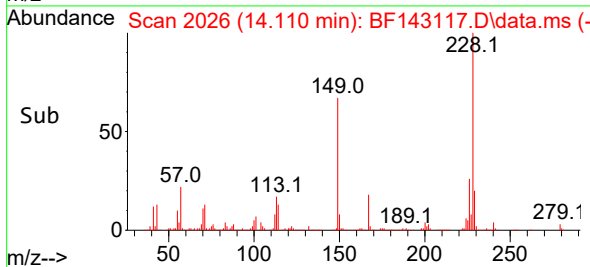
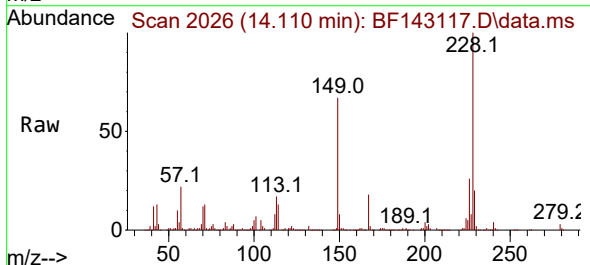
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

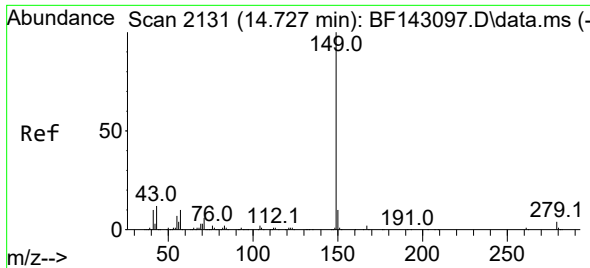
Tgt Ion:228 Resp: 486986
Ion Ratio Lower Upper
228 100
226 29.6 23.4 35.2
229 19.3 15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 41.219 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:149 Resp: 241107
Ion Ratio Lower Upper
149 100
167 27.2 21.9 32.9
279 4.4 3.4 5.0

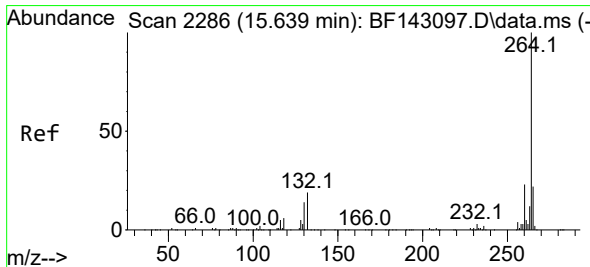
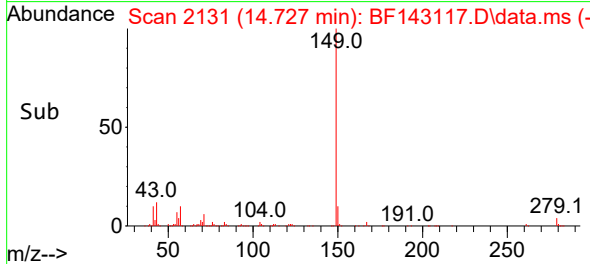
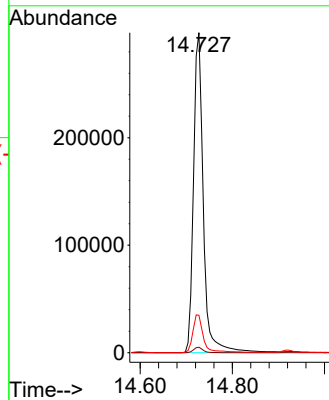
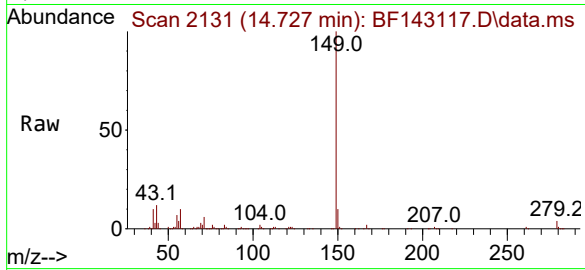




#85
Di-n-octyl phthalate
Concen: 40.440 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

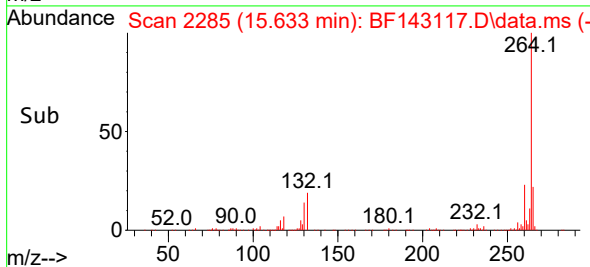
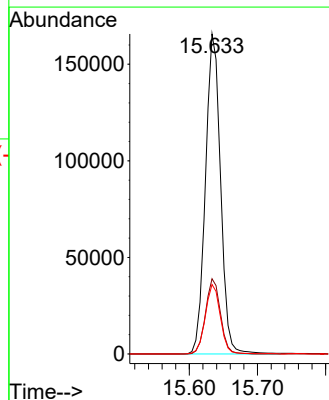
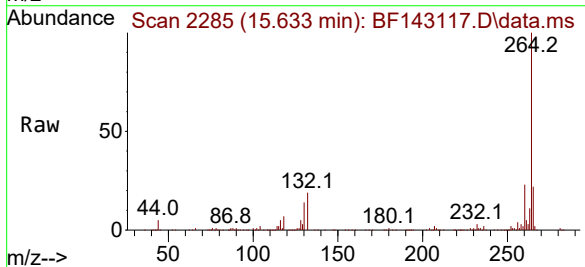
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

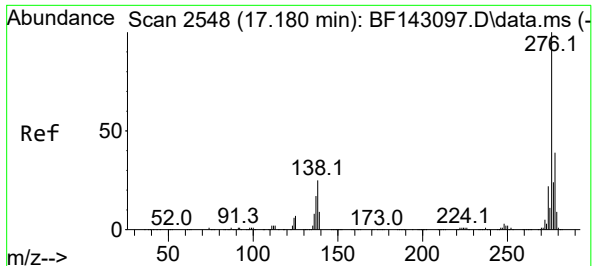
Tgt Ion:149 Resp: 439529
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 13.1 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:264 Resp: 255524
Ion Ratio Lower Upper
264 100
260 23.5 18.5 27.7
265 21.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.122 ng

RT: 17.180 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BF143117.D

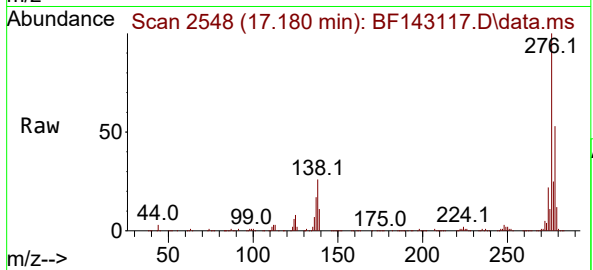
Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



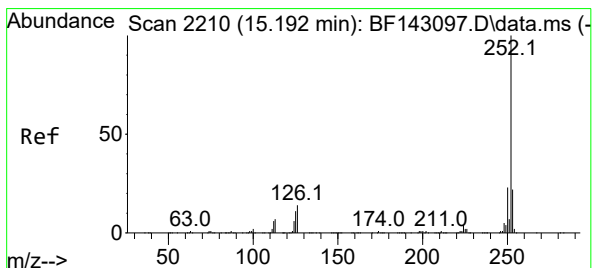
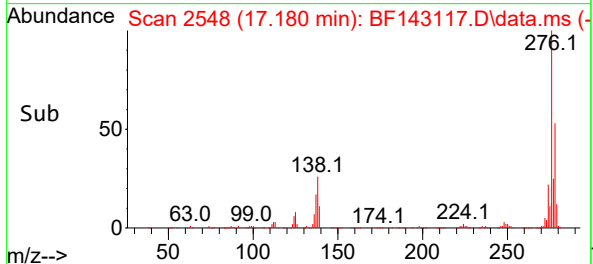
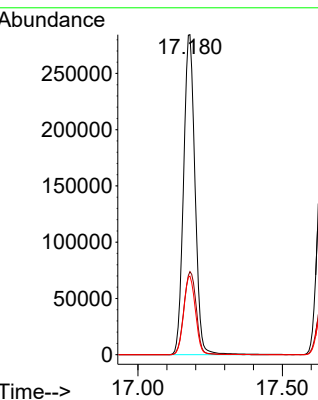
Tgt Ion:276 Resp: 781535

Ion Ratio Lower Upper

276 100

138 27.9 22.6 34.0

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 39.393 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

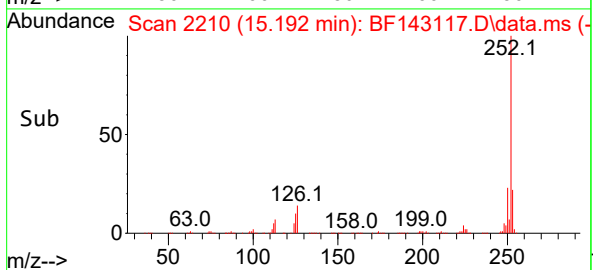
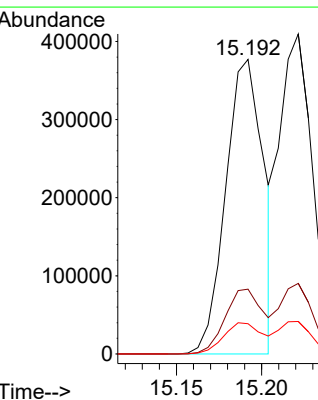
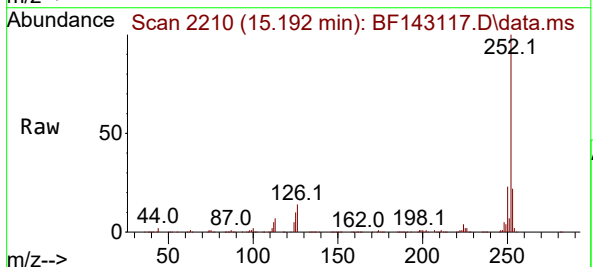
Tgt Ion:252 Resp: 580612

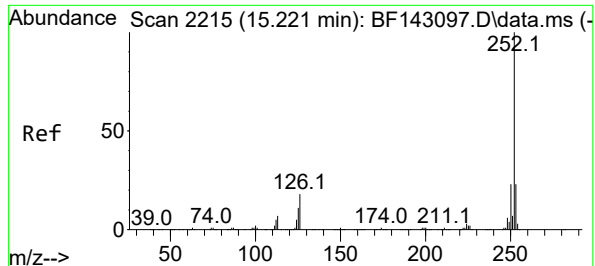
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 39.698 ng

RT: 15.221 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

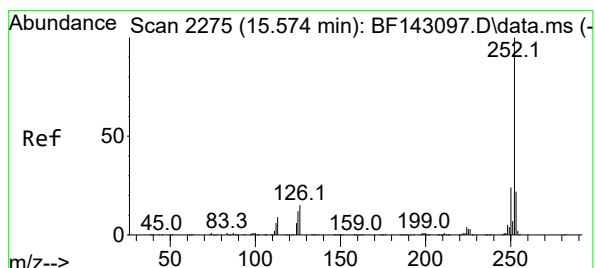
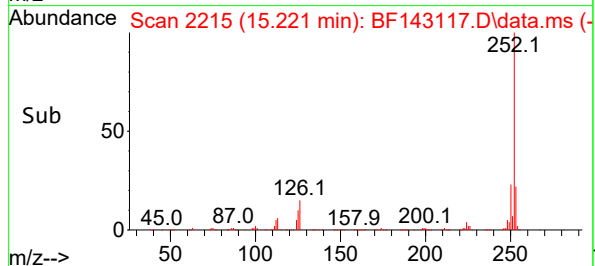
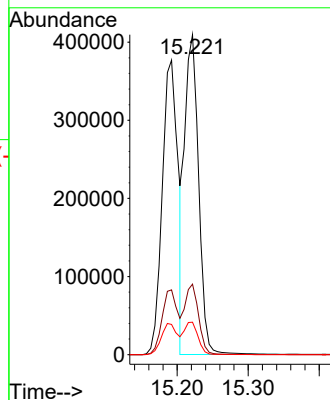
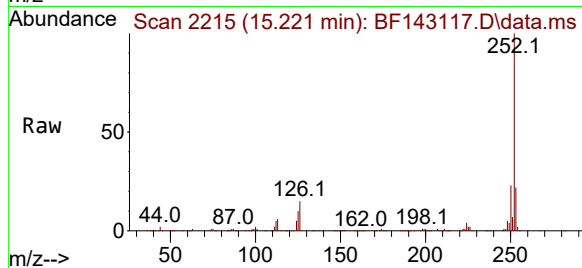
Tgt Ion:252 Resp: 558211

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.2 8.5 12.7



#90

Benzo(a)pyrene

Concen: 40.896 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

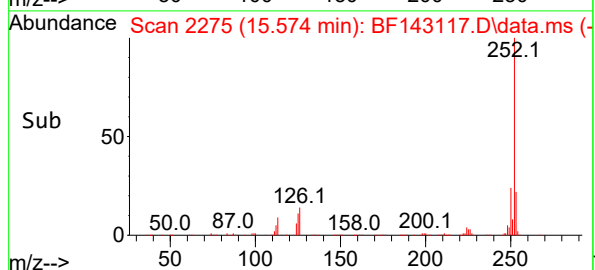
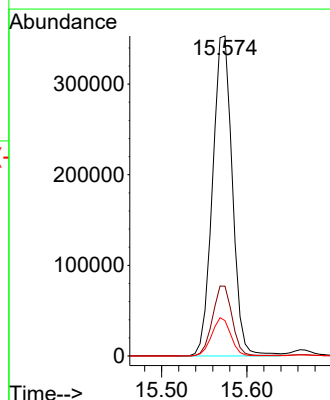
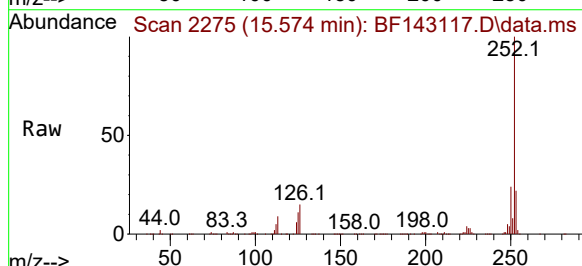
Tgt Ion:252 Resp: 570084

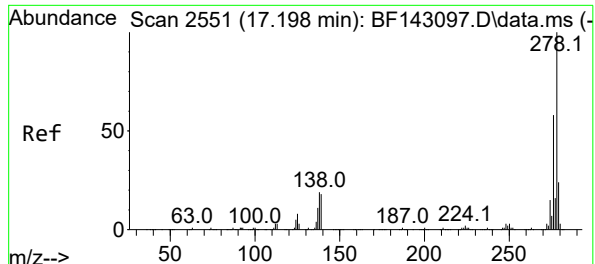
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 11.0 9.4 14.0





#91

Dibenzo(a,h)anthracene

Concen: 40.895 ng

RT: 17.198 min Scan# 2551

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

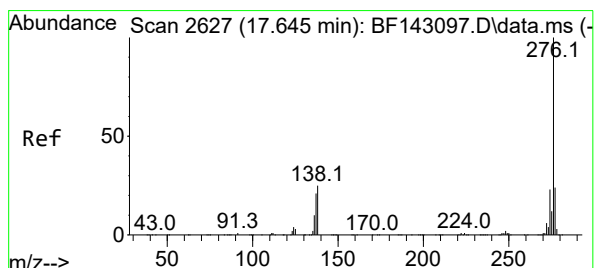
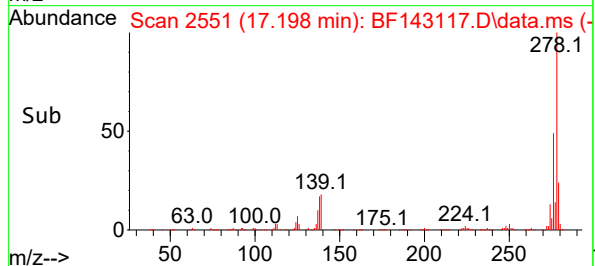
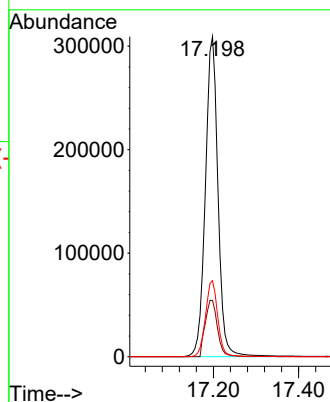
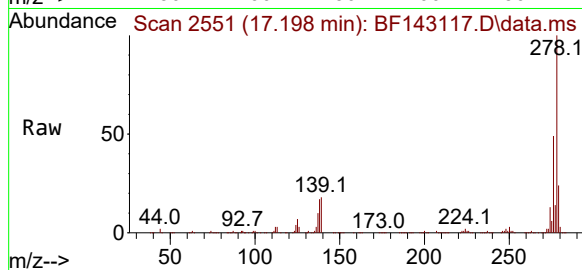
Tgt Ion:278 Resp: 635338

Ion Ratio Lower Upper

278 100

139 17.6 14.6 22.0

279 23.8 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 40.534 ng

RT: 17.645 min Scan# 2627

Delta R.T. 0.000 min

Lab File: BF143117.D

Acq: 16 Jul 2025 19:39

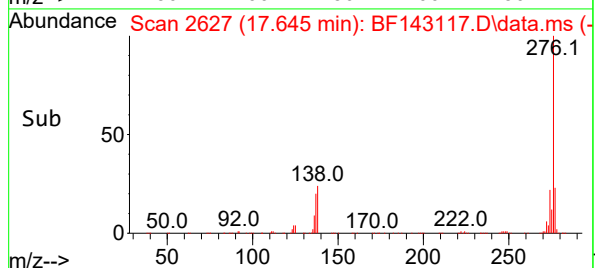
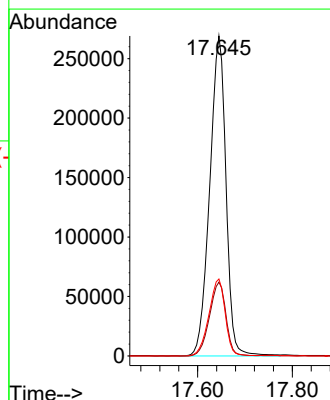
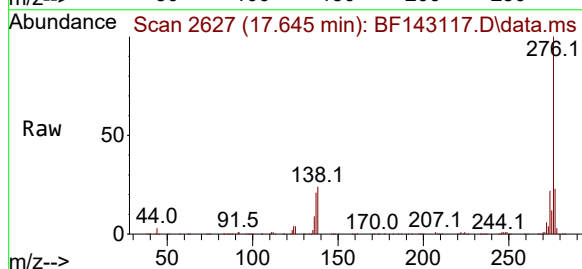
Tgt Ion:276 Resp: 642024

Ion Ratio Lower Upper

276 100

277 23.1 19.2 28.8

138 24.0 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143117.D
 Acq On : 16 Jul 2025 19:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 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	109	0.00
2	1,4-Dioxane	0.630	0.628	0.3	110	0.00
3	Pyridine	1.596	1.575	1.3	108	0.00
4	n-Nitrosodimethylamine	0.827	0.806	2.5	108	0.00
5 S	2-Fluorophenol	1.266	1.249	1.3	109	0.00
6	Aniline	2.241	2.205	1.6	109	0.00
7 S	Phenol-d6	1.591	1.563	1.8	109	0.00
8	2-Chlorophenol	1.272	1.316	-3.5	113	0.00
9	Benzaldehyde	1.212	1.240	-2.3	94	0.00
10 C	Phenol	1.723	1.816	-5.4	116	0.00
11	bis(2-Chloroethyl)ether	1.334	1.298	2.7	109	0.00
12	1,3-Dichlorobenzene	1.437	1.430	0.5	111	0.00
13 C	1,4-Dichlorobenzene	1.446	1.418	1.9	110	0.00
14	1,2-Dichlorobenzene	1.379	1.346	2.4	108	0.00
15	Benzyl Alcohol	1.179	1.183	-0.3	111	0.00
16	2,2'-oxybis(1-Chloropropane	2.458	2.389	2.8	109	0.00
17	2-Methylphenol	1.098	1.094	0.4	111	0.00
18	Hexachloroethane	0.471	0.486	-3.2	113	0.00
19 P	n-Nitroso-di-n-propylamine	0.975	0.965	1.0	110	0.00
20	3+4-Methylphenols	1.346	1.368	-1.6	110	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	109	0.00
22	Acetophenone	0.482	0.467	3.1	109	0.00
23 S	Nitrobenzene-d5	0.357	0.402	-12.6	118	0.00
24	Nitrobenzene	0.344	0.369	-7.3	113	0.00
25	Isophorone	0.689	0.675	2.0	109	0.00
26 C	2-Nitrophenol	0.114	0.145	-27.2#	132	0.00
27	2,4-Dimethylphenol	0.320	0.320	0.0	109	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.412	1.4	110	0.00
29 C	2,4-Dichlorophenol	0.262	0.269	-2.7	110	0.00
30	1,2,4-Trichlorobenzene	0.297	0.292	1.7	108	0.00
31	Naphthalene	0.993	0.972	2.1	110	0.00
32	Benzoic acid	0.139	0.147	-5.8	112	0.00
33	4-Chloroaniline	0.399	0.393	1.5	108	0.00
34 C	Hexachlorobutadiene	0.178	0.178	0.0	110	0.00
35	Caprolactam	0.082	0.084	-2.4	111	0.00
36 C	4-Chloro-3-methylphenol	0.291	0.293	-0.7	110	0.00
37	2-Methylnaphthalene	0.592	0.578	2.4	109	0.00
38	1-Methylnaphthalene	0.615	0.599	2.6	109	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	112	0.00
40	1,2,4,5-Tetrachlorobenzene	0.583	0.567	2.7	109	0.00
41 P	Hexachlorocyclopentadiene	0.323	0.341	-5.6	118	0.00
42 S	2,4,6-Tribromophenol	0.178	0.191	-7.3	113	0.00
43 C	2,4,6-Trichlorophenol	0.362	0.386	-6.6	114	0.00
44	2,4,5-Trichlorophenol	0.380	0.387	-1.8	110	0.00
45 S	2-Fluorobiphenyl	1.505	1.421	5.6	109	0.00
46	1,1'-Biphenyl	1.595	1.534	3.8	109	0.00
47	2-Chloronaphthalene	1.172	1.129	3.7	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143117.D
 Acq On : 16 Jul 2025 19:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 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	0.303	0.352	-16.2	120	0.00
49	Acenaphthylene	1.952	1.912	2.0	109	0.00
50	Dimethylphthalate	1.258	1.236	1.7	110	0.00
51	2,6-Dinitrotoluene	0.219	0.258	-17.8	123	0.00
52 C	Acenaphthene	1.152	1.115	3.2	110	0.00
53	3-Nitroaniline	0.272	0.299	-9.9	116	0.00
54 P	2,4-Dinitrophenol	0.073	0.082	-12.3	134	0.00
55	Dibenzofuran	1.717	1.649	4.0	108	0.00
56 P	4-Nitrophenol	0.216	0.230	-6.5	115	0.00
57	2,4-Dinitrotoluene	0.265	0.307	-15.8	116	0.00
58	Fluorene	1.288	1.219	5.4	109	0.00
59	2,3,4,6-Tetrachlorophenol	0.302	0.324	-7.3	116	0.00
60	Diethylphthalate	1.214	1.211	0.2	110	0.00
61	4-Chlorophenyl-phenylether	0.617	0.603	2.3	109	0.00
62	4-Nitroaniline	0.236	0.255	-8.1	114	0.00
63	Azobenzene	1.343	1.284	4.4	108	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	0.067	0.078	-16.4	131	0.00
66 c	n-Nitrosodiphenylamine	0.703	0.687	2.3	108	0.00
67	4-Bromophenyl-phenylether	0.227	0.227	0.0	110	0.00
68	Hexachlorobenzene	0.241	0.241	0.0	110	0.00
69	Atrazine	0.180	0.183	-1.7	109	0.00
70 C	Pentachlorophenol	0.132	0.144	-9.1	117	0.00
71	Phenanthrene	1.079	1.046	3.1	108	0.00
72	Anthracene	1.085	1.063	2.0	108	0.00
73	Carbazole	0.972	0.934	3.9	107	0.00
74	Di-n-butylphthalate	0.893	0.937	-4.9	109	0.00
75 C	Fluoranthene	0.981	0.947	3.5	106	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	110	0.00
77	Benzydine	0.681	0.650	4.6	85	0.00
78	Pyrene	1.856	1.773	4.5	105	0.00
79 S	Terphenyl-d14	1.368	1.302	4.8	106	0.00
80	Butylbenzylphthalate	0.318	0.365	-14.8	116	0.00
81	Benzo(a)anthracene	1.333	1.354	-1.6	110	0.00
82	3,3'-Dichlorobenzidine	0.387	0.391	-1.0	111	0.00
83	Chrysene	1.227	1.156	5.8	105	0.00
84	Bis(2-ethylhexyl)phthalate	0.480	0.572	-19.2	122	0.00
85 c	Di-n-octyl phthalate	0.927	1.043	-12.5	124	0.00
86 I	Perylene-d12	1.000	1.000	0.0	113	0.00
87	Indeno(1,2,3-cd)pyrene	1.488	1.529	-2.8	113	0.00
88	Benzo(b)fluoranthene	1.154	1.136	1.6	118	0.00
89	Benzo(k)fluoranthene	1.101	1.092	0.8	107	0.00
90 C	Benzo(a)pyrene	1.091	1.116	-2.3	112	0.00
91	Dibenzo(a,h)anthracene	1.216	1.243	-2.2	113	0.00
92	Benzo(g,h,i)perylene	1.240	1.256	-1.3	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143117.D
 Acq On : 16 Jul 2025 19:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 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	109	0.00
2	1,4-Dioxane	40.000	39.864	0.3	110	0.00
3	Pyridine	40.000	39.489	1.3	108	0.00
4	n-Nitrosodimethylamine	40.000	39.012	2.5	108	0.00
5 S	2-Fluorophenol	80.000	78.913	1.4	109	0.00
6	Aniline	40.000	39.360	1.6	109	0.00
7 S	Phenol-d6	80.000	78.603	1.7	109	0.00
8	2-Chlorophenol	40.000	41.401	-3.5	113	0.00
9	Benzaldehyde	40.000	40.919	-2.3	94	0.00
10 C	Phenol	40.000	42.169	-5.4	116	0.00
11	bis(2-Chloroethyl)ether	40.000	38.936	2.7	109	0.00
12	1,3-Dichlorobenzene	40.000	39.815	0.5	111	0.00
13 C	1,4-Dichlorobenzene	40.000	39.238	1.9	110	0.00
14	1,2-Dichlorobenzene	40.000	39.051	2.4	108	0.00
15	Benzyl Alcohol	40.000	40.125	-0.3	111	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.870	2.8	109	0.00
17	2-Methylphenol	40.000	39.876	0.3	111	0.00
18	Hexachloroethane	40.000	41.310	-3.3	113	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.615	1.0	110	0.00
20	3+4-Methylphenols	40.000	40.641	-1.6	110	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	109	0.00
22	Acetophenone	40.000	38.753	3.1	109	0.00
23 S	Nitrobenzene-d5	80.000	90.170	-12.7	118	0.00
24	Nitrobenzene	40.000	42.874	-7.2	113	0.00
25	Isophorone	40.000	39.167	2.1	109	0.00
26 C	2-Nitrophenol	40.000	42.663	-6.7	132	0.00
27	2,4-Dimethylphenol	40.000	39.965	0.1	109	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.412	1.5	110	0.00
29 C	2,4-Dichlorophenol	40.000	41.164	-2.9	110	0.00
30	1,2,4-Trichlorobenzene	40.000	39.339	1.7	108	0.00
31	Naphthalene	40.000	39.140	2.1	110	0.00
32	Benzoic acid	40.000	38.466	3.8	112	0.00
33	4-Chloroaniline	40.000	39.377	1.6	108	0.00
34 C	Hexachlorobutadiene	40.000	40.072	-0.2	110	0.00
35	Caprolactam	40.000	41.190	-3.0	111	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.192	-0.5	110	0.00
37	2-Methylnaphthalene	40.000	39.014	2.5	109	0.00
38	1-Methylnaphthalene	40.000	38.976	2.6	109	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	112	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.885	2.8	109	0.00
41 P	Hexachlorocyclopentadiene	40.000	42.225	-5.6	118	0.00
42 S	2,4,6-Tribromophenol	80.000	85.634	-7.0	113	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.600	-6.5	114	0.00
44	2,4,5-Trichlorophenol	40.000	40.747	-1.9	110	0.00
45 S	2-Fluorobiphenyl	80.000	75.570	5.5	109	0.00
46	1,1'-Biphenyl	40.000	38.466	3.8	109	0.00
47	2-Chloronaphthalene	40.000	38.546	3.6	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143117.D
 Acq On : 16 Jul 2025 19:39
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 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	40.710	-1.8	120	0.00
49	Acenaphthylene	40.000	39.176	2.1	109	0.00
50	Dimethylphthalate	40.000	39.291	1.8	110	0.00
51	2,6-Dinitrotoluene	40.000	41.829	-4.6	123	0.00
52 C	Acenaphthene	40.000	38.701	3.2	110	0.00
53	3-Nitroaniline	40.000	43.942	-9.9	116	0.00
54 P	2,4-Dinitrophenol	40.000	42.980	-7.4	134	0.00
55	Dibenzofuran	40.000	38.413	4.0	108	0.00
56 P	4-Nitrophenol	40.000	42.650	-6.6	115	0.00
57	2,4-Dinitrotoluene	40.000	40.106	-0.3	116	0.00
58	Fluorene	40.000	37.875	5.3	109	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.914	-7.3	116	0.00
60	Diethylphthalate	40.000	39.920	0.2	110	0.00
61	4-Chlorophenyl-phenylether	40.000	39.072	2.3	109	0.00
62	4-Nitroaniline	40.000	43.204	-8.0	114	0.00
63	Azobenzene	40.000	38.265	4.3	108	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.295	-8.2	131	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.129	2.2	108	0.00
67	4-Bromophenyl-phenylether	40.000	39.949	0.1	110	0.00
68	Hexachlorobenzene	40.000	39.950	0.1	110	0.00
69	Atrazine	40.000	40.708	-1.8	109	0.00
70 C	Pentachlorophenol	40.000	43.376	-8.4	117	0.00
71	Phenanthrene	40.000	38.780	3.0	108	0.00
72	Anthracene	40.000	39.169	2.1	108	0.00
73	Carbazole	40.000	38.436	3.9	107	0.00
74	Di-n-butylphthalate	40.000	41.970	-4.9	109	0.00
75 C	Fluoranthene	40.000	38.604	3.5	106	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	110	0.00
77	Benzydine	40.000	38.177	4.6	85	0.00
78	Pyrene	40.000	38.214	4.5	105	0.00
79 S	Terphenyl-d14	80.000	76.150	4.8	106	0.00
80	Butylbenzylphthalate	40.000	39.754	0.6	116	0.00
81	Benzo(a)anthracene	40.000	40.624	-1.6	110	0.00
82	3,3'-Dichlorobenzidine	40.000	40.409	-1.0	111	0.00
83	Chrysene	40.000	37.657	5.9	105	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.219	-3.0	122	0.00
85 c	Di-n-octyl phthalate	40.000	40.440	-1.1	124	0.00
86 I	Perylene-d12	20.000	20.000	0.0	113	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	41.122	-2.8	113	0.00
88	Benzo(b)fluoranthene	40.000	39.393	1.5	118	0.00
89	Benzo(k)fluoranthene	40.000	39.698	0.8	107	0.00
90 C	Benzo(a)pyrene	40.000	40.896	-2.2	112	0.00
91	Dibenzo(a,h)anthracene	40.000	40.895	-2.2	113	0.00
92	Benzo(g,h,i)perylene	40.000	40.534	-1.3	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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)
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(#) = 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: Alliance Contract: NOBI03
 Lab Code: ACE SDG No.: Q2558
 Instrument ID: BNA_F Calibration Date/Time: 07/17/2025 05:30
 Lab File ID: BF143137.D Init. Calib. Date(s): 07/15/2025 07/15/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 13:04 16:35
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.266	1.239		-2.1	50.0
Phenol-d6	1.591	1.544		-3.0	50.0
Nitrobenzene-d5	0.357	0.412		15.4	50.0
Naphthalene	0.993	0.969		-2.4	50.0
2-Methylnaphthalene	0.592	0.562		-5.1	50.0
2-Fluorobiphenyl	1.505	1.520		1.0	50.0
Acenaphthylene	1.952	1.904		-2.5	50.0
Acenaphthene	1.152	1.066		-7.5	50.0
Fluorene	1.288	1.177		-8.6	50.0
2,4,6-Tribromophenol	0.178	0.163		-8.4	50.0
Phenanthrene	1.079	1.039		-3.7	50.0
Anthracene	1.085	1.066		-1.8	50.0
Fluoranthene	0.981	1.114		13.6	50.0
Pyrene	1.856	1.419		-23.5	50.0
Terphenyl-d14	1.368	1.091		-20.2	50.0
Benzo (a) anthracene	1.333	1.302		-2.3	50.0
Chrysene	1.227	1.199		-2.3	50.0
Benzo (b) fluoranthene	1.154	1.354		17.3	50.0
Benzo (k) fluoranthene	1.101	1.100		-0.1	50.0
Benzo (a) pyrene	1.091	1.124		3.0	50.0
Indeno (1,2,3-cd) pyrene	1.488	1.126		-24.3	50.0
Dibenzo (a,h) anthracene	1.216	0.924		-24.0	50.0
Benzo (g,h,i) perylene	1.240	0.898		-27.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143137.D
 Acq On : 17 Jul 2025 05:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Jul 17 05:56:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	144280	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	514495	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	231809	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	340985	20.000	ng	0.00
76) Chrysene-d12	14.133	240	272684	20.000	ng	0.00
86) Perylene-d12	15.639	264	233437	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	714857	78.280	ng	0.00
7) Phenol-d6	6.586	99	891036	77.624	ng	0.00
23) Nitrobenzene-d5	7.528	82	848823	92.552	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	150891	73.003	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1409405	80.821	ng	0.00
79) Terphenyl-d14	13.074	244	1190245	63.807	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	173896	38.254	ng	99
3) Pyridine	3.581	79	450952	39.175	ng	100
4) n-Nitrosodimethylamine	3.528	42	234746	39.361	ng	99
6) Aniline	6.628	93	606069	37.494	ng	100
8) 2-Chlorophenol	6.751	128	369287	40.249	ng	98
9) Benzaldehyde	6.516	77	364773	41.704	ng	99
10) Phenol	6.604	94	514446	41.398	ng	99
11) bis(2-Chloroethyl)ether	6.698	93	373921	38.869	ng	99
12) 1,3-Dichlorobenzene	6.910	146	405053	39.077	ng	99
13) 1,4-Dichlorobenzene	6.986	146	406650	38.995	ng	100
14) 1,2-Dichlorobenzene	7.139	146	383993	38.613	ng	98
15) Benzyl Alcohol	7.098	79	345178	40.583	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.239	45	686686	38.723	ng	100
17) 2-Methylphenol	7.210	107	306021	38.650	ng	99
18) Hexachloroethane	7.486	117	136608	40.240	ng	99
19) n-Nitroso-di-n-propyla...	7.375	70	274293	39.003	ng	99
20) 3+4-Methylphenols	7.363	107	382719	39.415	ng	94
22) Acetophenone	7.375	105	493430	39.785	ng	98
24) Nitrobenzene	7.545	77	397905	44.942	ng	99
25) Isophorone	7.786	82	724887	40.892	ng	100
26) 2-Nitrophenol	7.863	139	148139	42.372	ng	99
27) 2,4-Dimethylphenol	7.892	122	339027	41.206	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	443588	41.266	ng	99
29) 2,4-Dichlorophenol	8.098	162	262840	39.049	ng	99
30) 1,2,4-Trichlorobenzene	8.192	180	305955	40.052	ng	99
31) Naphthalene	8.275	128	996982	39.022	ng	100
32) Benzoic acid	7.992	122	34786	13.853	ng	96
33) 4-Chloroaniline	8.310	127	389527	37.914	ng	99
34) Hexachlorobutadiene	8.392	225	188958	41.361	ng	99
35) Caprolactam	8.669	113	77948	37.085	ng	93
36) 4-Chloro-3-methylphenol	8.786	107	284902	37.997	ng	99
37) 2-Methylnaphthalene	8.963	142	578259	37.939	ng	99
38) 1-Methylnaphthalene	9.063	142	596132	37.710	ng	100
40) 1,2,4,5-Tetrachloroben...	9.127	216	281686	41.698	ng	98
41) Hexachlorocyclopentadiene	9.122	237	86619	23.127	ng	99
43) 2,4,6-Trichlorophenol	9.233	196	153713	36.620	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143137.D
 Acq On : 17 Jul 2025 05:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Jul 17 05:56:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

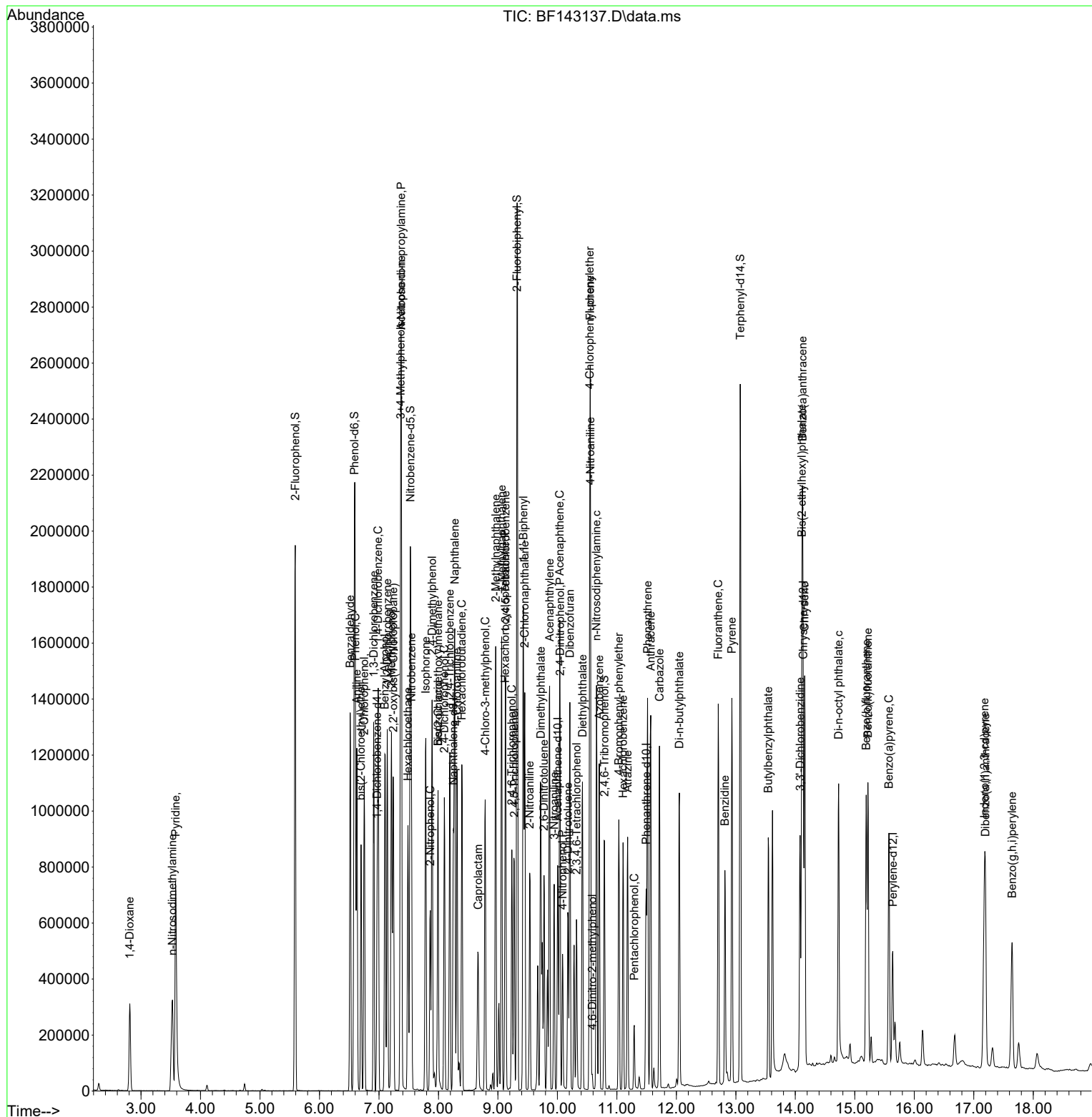
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	171201	38.898	ng	98
46) 1,1'-Biphenyl	9.427	154	751239	40.638	ng	99
47) 2-Chloronaphthalene	9.451	162	537100	39.549	ng	99
48) 2-Nitroaniline	9.533	65	180073	44.648	ng	99
49) Acenaphthylene	9.869	152	882729	39.008	ng	100
50) Dimethylphthalate	9.722	163	622841	42.709	ng	100
51) 2,6-Dinitrotoluene	9.775	165	125478	43.803	ng	93
52) Acenaphthene	10.039	154	494312	37.016	ng	98
53) 3-Nitroaniline	9.945	138	142775	45.308	ng	96
54) 2,4-Dinitrophenol	10.045	184	2929	8.444	ng	# 1
55) Dibenzofuran	10.210	168	746194	37.488	ng	100
56) 4-Nitrophenol	10.086	139	94578	37.764	ng	98
57) 2,4-Dinitrotoluene	10.180	165	143263	40.390	ng	96
58) Fluorene	10.551	166	545475	36.553	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	100646	28.775	ng	98
60) Diethylphthalate	10.422	149	580771	41.278	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	274714	38.408	ng	99
62) 4-Nitroaniline	10.557	138	120811	44.086	ng	99
63) Azobenzene	10.704	77	576851	37.072	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	7985	11.937	ng	96
66) n-Nitrosodiphenylamine	10.657	169	486685	40.633	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	158704	40.927	ng	99
68) Hexachlorobenzene	11.104	284	160507	39.011	ng	99
69) Atrazine	11.180	200	135460	44.205	ng	98
70) Pentachlorophenol	11.292	266	35640	15.788	ng	97
71) Phenanthrene	11.516	178	708454	38.498	ng	100
72) Anthracene	11.569	178	727014	39.286	ng	100
73) Carbazole	11.716	167	676020	40.776	ng	100
74) Di-n-butylphthalate	12.051	149	755302	49.632	ng	100
75) Fluoranthene	12.704	202	759494	45.390	ng	99
77) Benzidine	12.816	184	418307	45.027	ng	100
78) Pyrene	12.933	202	773774	30.583	ng	99
80) Butylbenzylphthalate	13.545	149	274779	53.627	ng	97
81) Benzo(a)anthracene	14.121	228	710019	39.075	ng	100
82) 3,3'-Dichlorobenzidine	14.080	252	233732	44.295	ng	99
83) Chrysene	14.157	228	653783	39.066	ng	98
84) Bis(2-ethylhexyl)phtha...	14.110	149	416791	53.915	ng	98
85) Di-n-octyl phthalate	14.727	149	737125	50.428	ng	97
87) Indeno(1,2,3-cd)pyrene	17.180	276	525857	30.287	ng	99
88) Benzo(b)fluoranthene	15.192	252	632221	46.952	ng	99
89) Benzo(k)fluoranthene	15.221	252	513447	39.970	ng	99
90) Benzo(a)pyrene	15.574	252	524630	41.196	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	431272	30.386	ng	99
92) Benzo(g,h,i)perylene	17.645	276	419104	28.963	ng	98

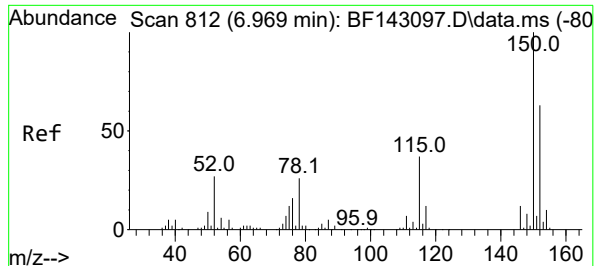
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

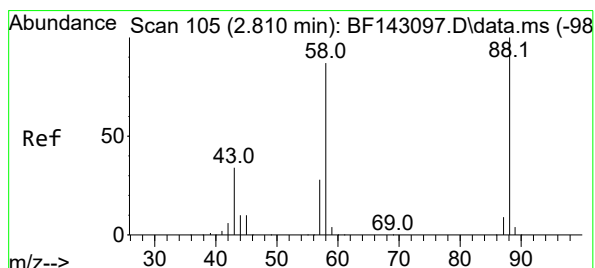
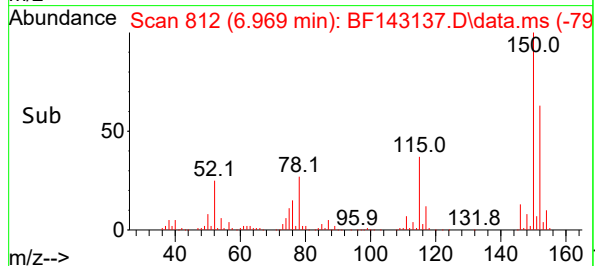
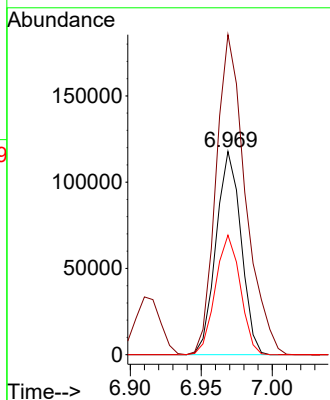
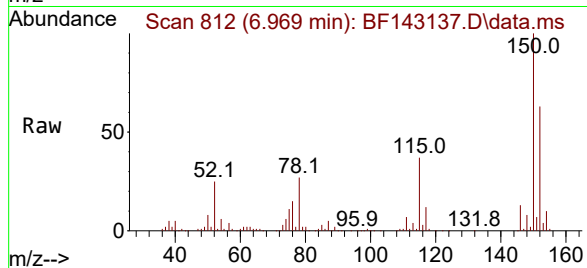




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

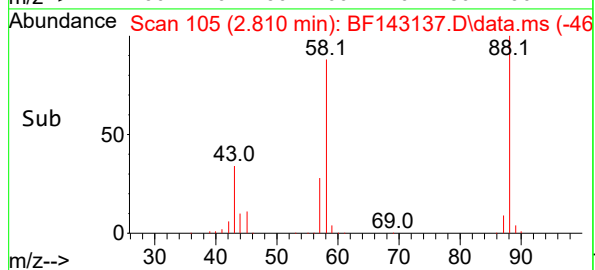
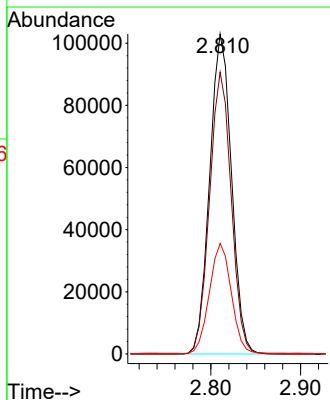
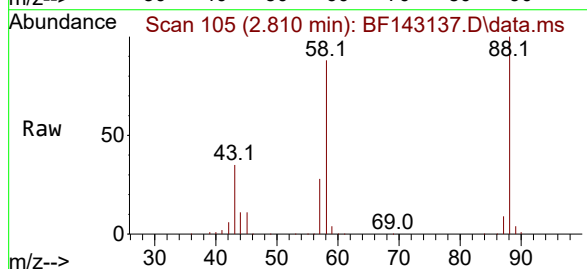
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

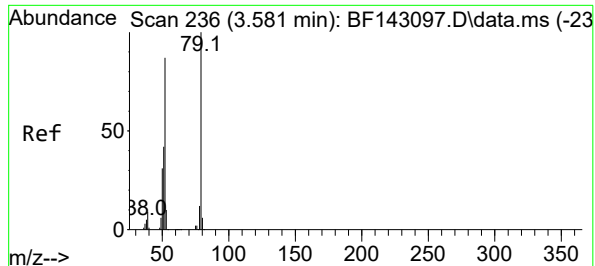
Tgt Ion:152 Resp: 144280
Ion Ratio Lower Upper
152 100
150 157.5 126.5 189.7
115 58.8 47.0 70.6



#2
1,4-Dioxane
Concen: 38.254 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 88 Resp: 173896
Ion Ratio Lower Upper
88 100
58 87.3 70.5 105.7
43 34.4 27.3 40.9

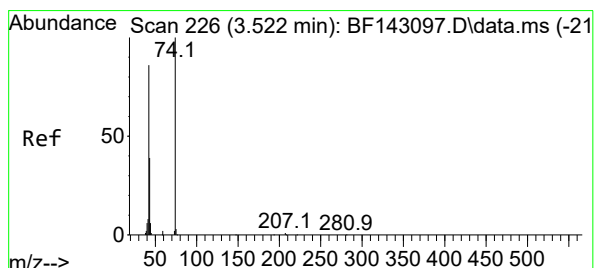
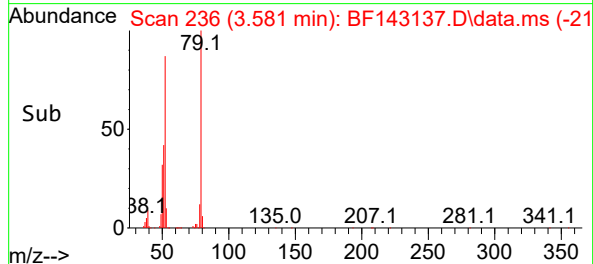
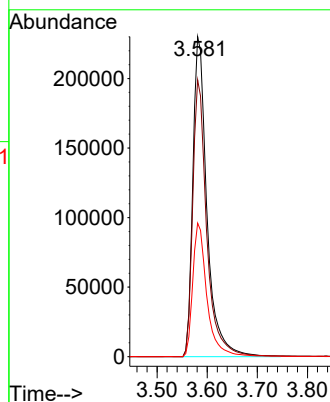
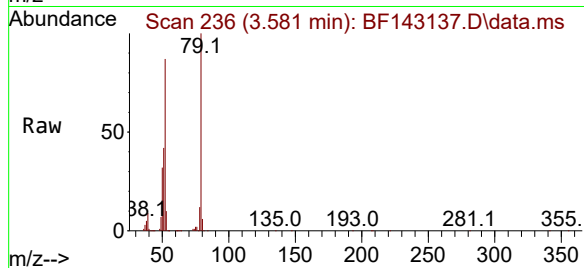




#3
Pyridine
Concen: 39.175 ng
RT: 3.581 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

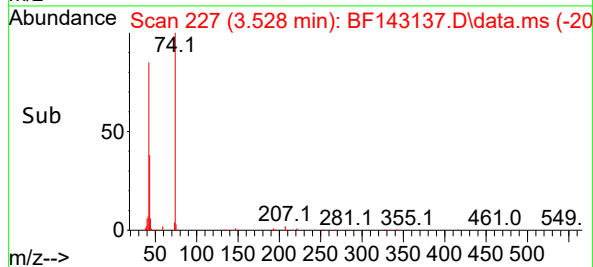
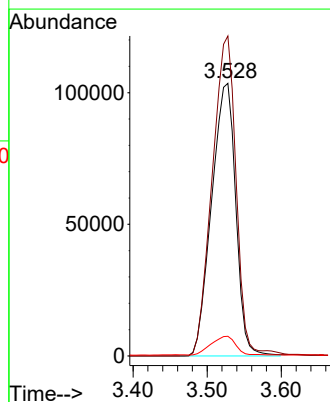
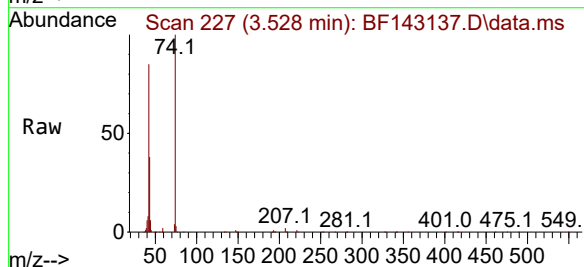
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

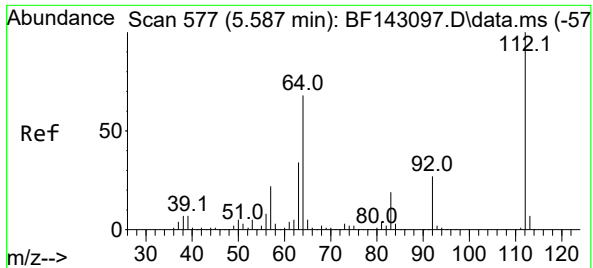
Tgt Ion: 79 Resp: 450952
Ion Ratio Lower Upper
79 100
52 86.5 69.2 103.8
51 41.8 33.3 49.9



#4
n-Nitrosodimethylamine
Concen: 39.361 ng
RT: 3.528 min Scan# 227
Delta R.T. 0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 42 Resp: 234746
Ion Ratio Lower Upper
42 100
74 117.4 92.8 139.2
44 7.2 5.8 8.6

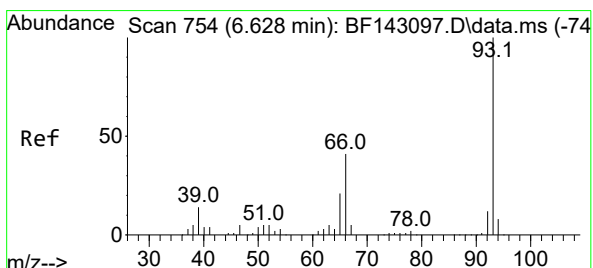
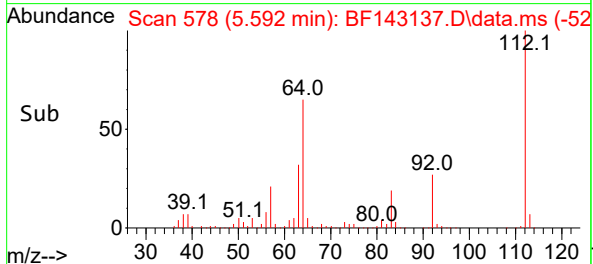
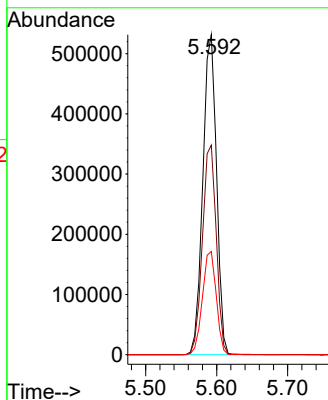
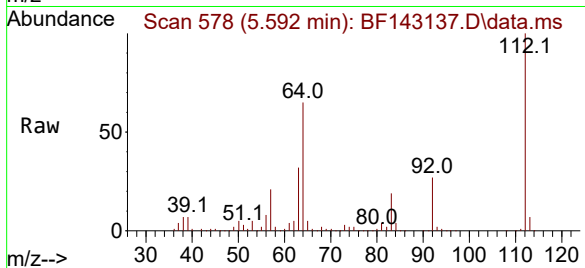




#5
2-Fluorophenol
Concen: 78.280 ng
RT: 5.592 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

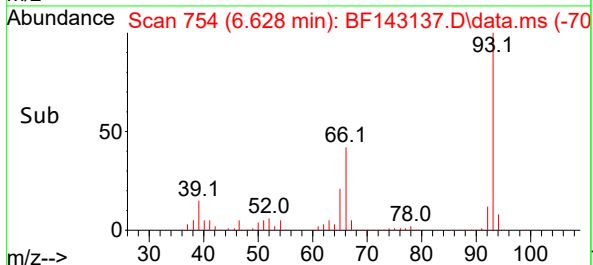
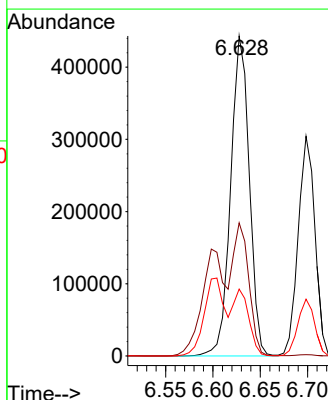
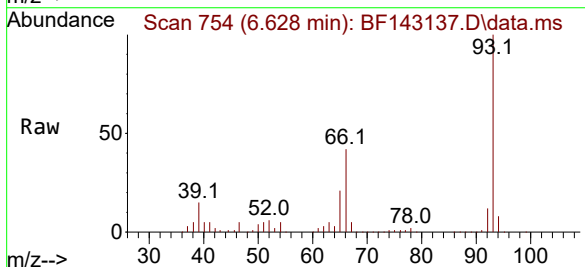
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

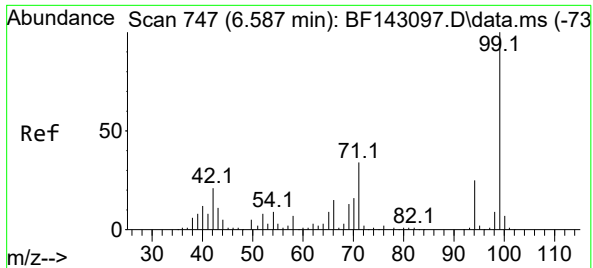
Tgt Ion:112 Resp: 714857
Ion Ratio Lower Upper
112 100
64 65.5 54.6 82.0
63 32.3 27.3 40.9



#6
Aniline
Concen: 37.494 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 93 Resp: 606069
Ion Ratio Lower Upper
93 100
66 41.6 33.1 49.7
65 20.9 16.9 25.3

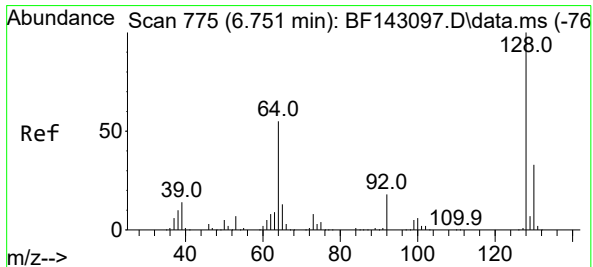
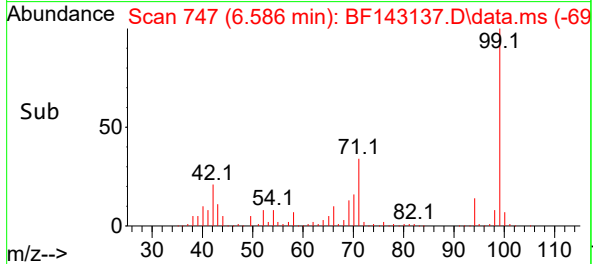
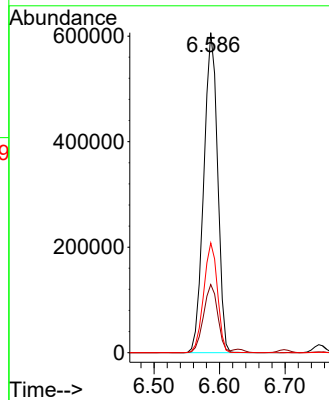
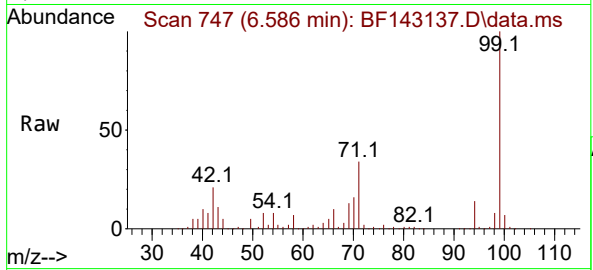




#7
Phenol-d6
Concen: 77.624 ng
RT: 6.586 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

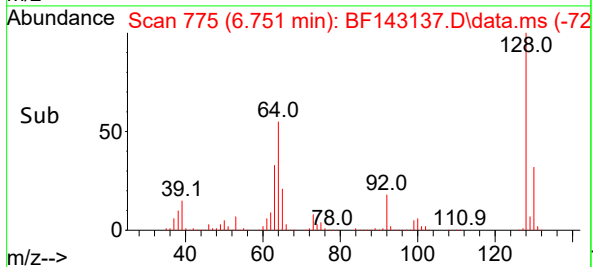
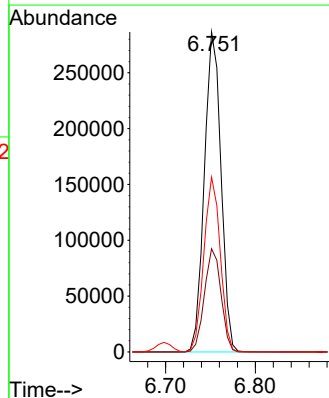
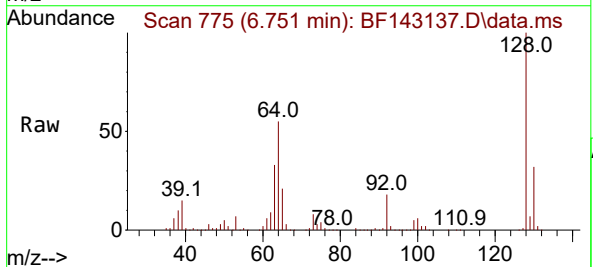
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

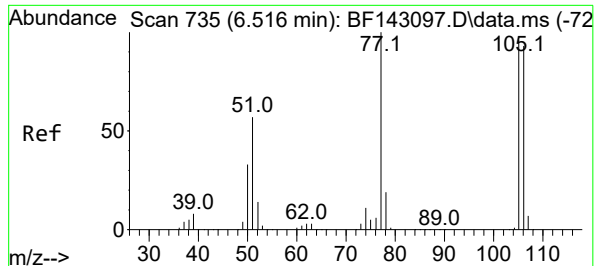
Tgt Ion: 99 Resp: 891036
Ion Ratio Lower Upper
99 100
42 21.3 17.2 25.8
71 34.3 27.4 41.0



#8
2-Chlorophenol
Concen: 40.249 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 128 Resp: 369287
Ion Ratio Lower Upper
128 100
130 32.3 12.8 52.8
64 54.6 36.1 76.1





#9

Benzaldehyde

Concen: 41.704 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

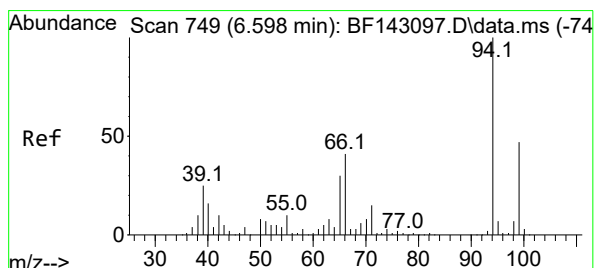
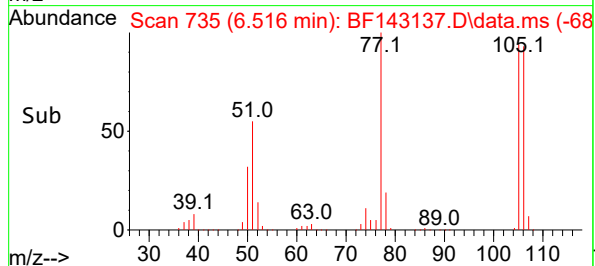
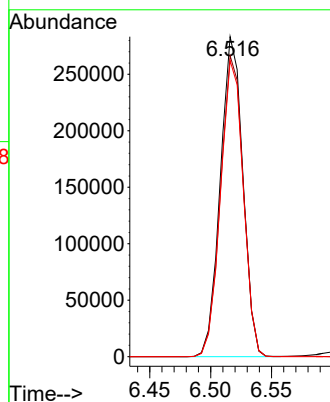
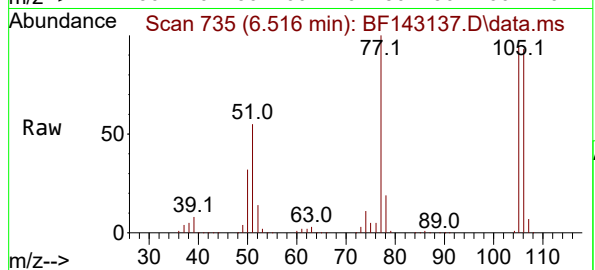
Tgt Ion: 77 Resp: 364773

Ion Ratio Lower Upper

77 100

105 94.1 76.3 116.3

106 92.5 72.8 112.8



#10

Phenol

Concen: 41.398 ng

RT: 6.604 min Scan# 750

Delta R.T. 0.006 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

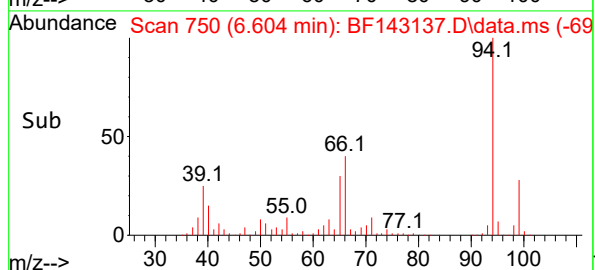
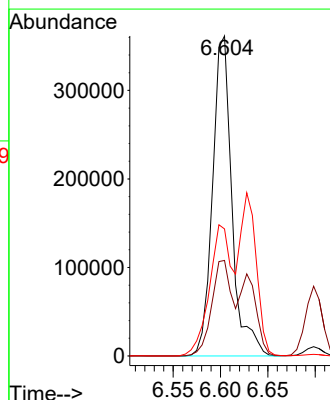
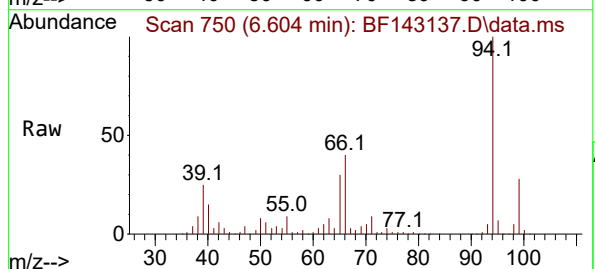
Tgt Ion: 94 Resp: 514446

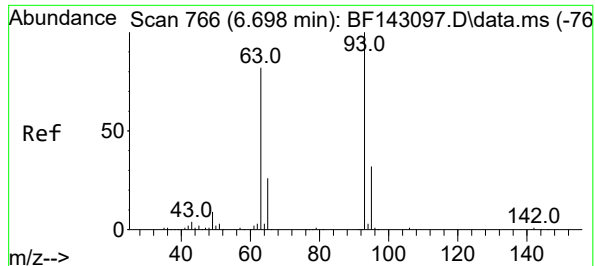
Ion Ratio Lower Upper

94 100

65 29.8 9.8 49.8

66 39.7 20.5 60.5

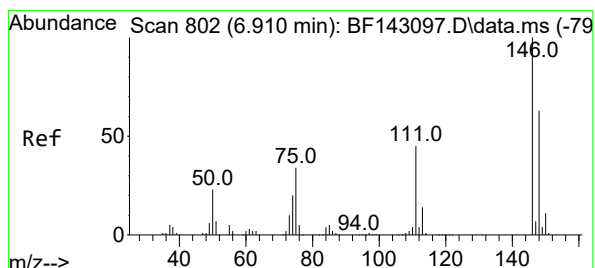
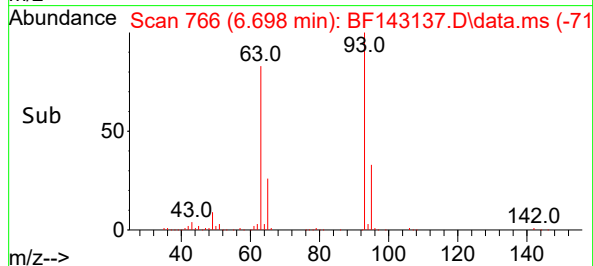
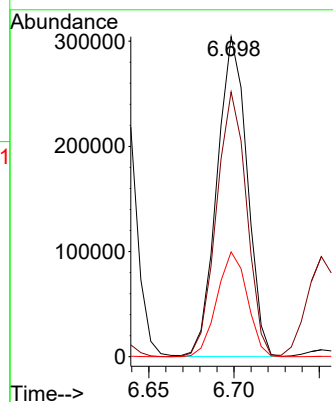
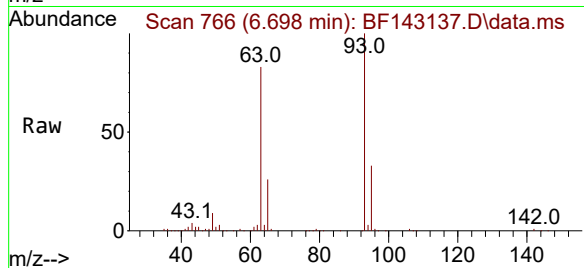




#11
bis(2-Chloroethyl)ether
Concen: 38.869 ng
RT: 6.698 min Scan# 766
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

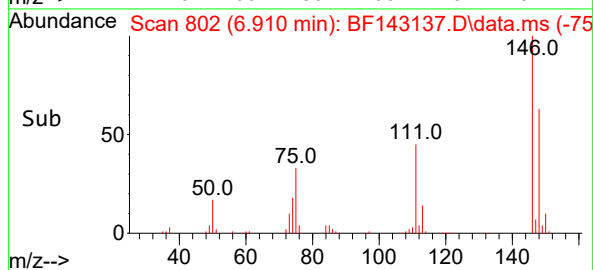
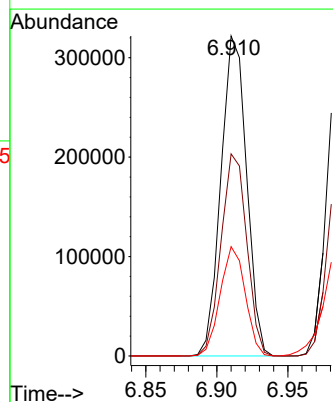
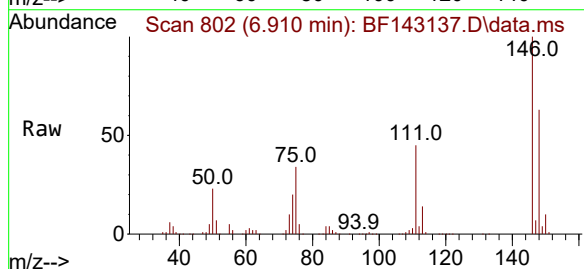
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

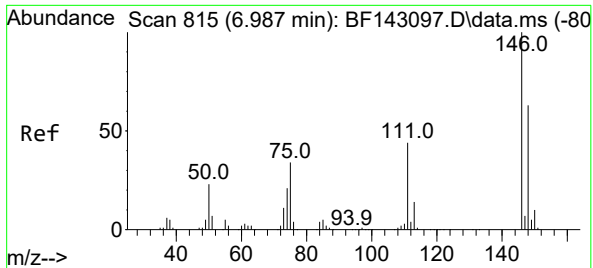
Tgt Ion: 93 Resp: 373921
Ion Ratio Lower Upper
93 100
63 82.8 61.9 101.9
95 32.8 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 39.077 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 146 Resp: 405053
Ion Ratio Lower Upper
146 100
148 63.2 50.1 75.1
75 34.1 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 38.995 ng

RT: 6.986 min Scan# 815

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

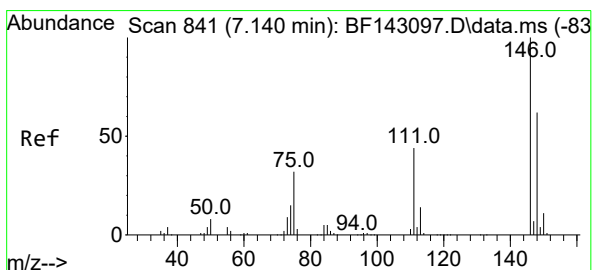
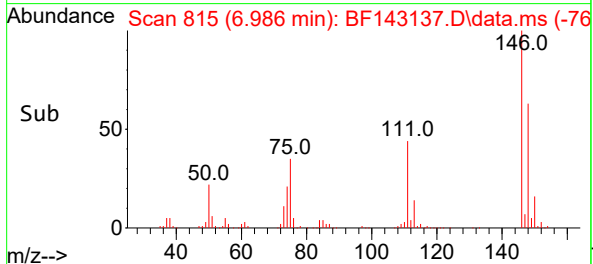
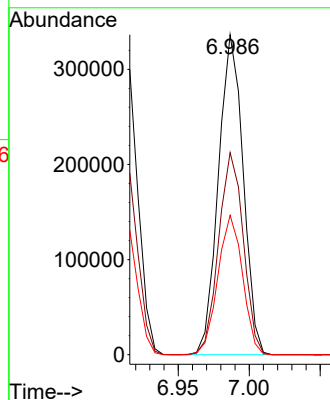
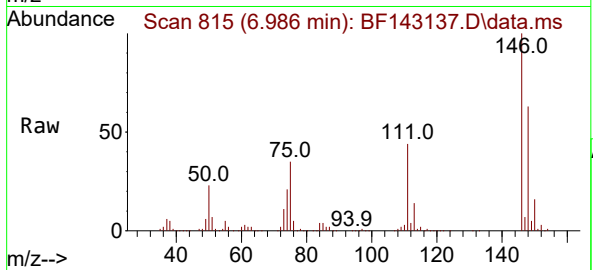
Tgt Ion:146 Resp: 406650

Ion Ratio Lower Upper

146 100

148 63.2 50.6 76.0

111 43.5 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 38.613 ng

RT: 7.139 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

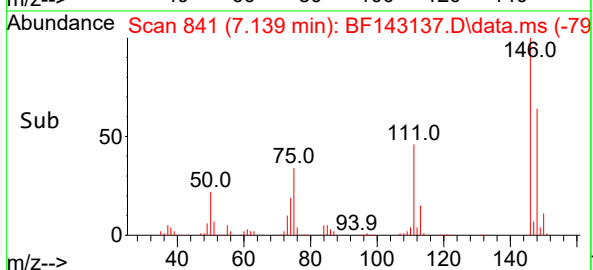
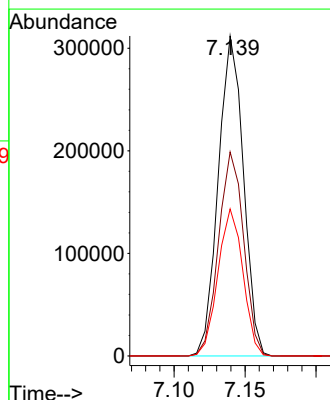
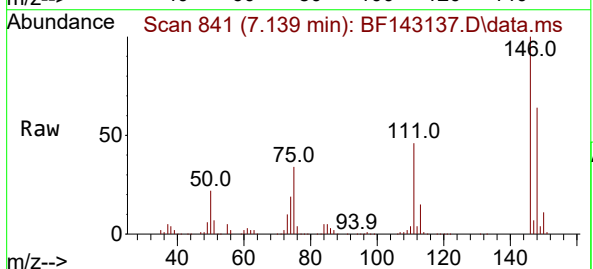
Tgt Ion:146 Resp: 383993

Ion Ratio Lower Upper

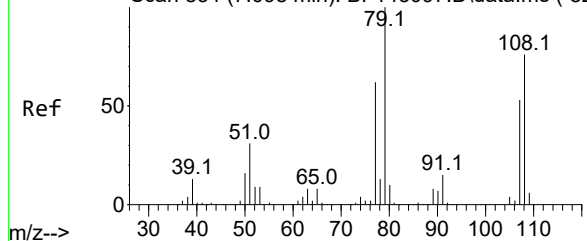
146 100

148 63.7 49.8 74.6

111 45.9 35.4 53.0



Abundance Scan 834 (7.098 min): BF143097.D\data.ms (-82



#15

Benzyl Alcohol

Concen: 40.583 ng

RT: 7.098 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

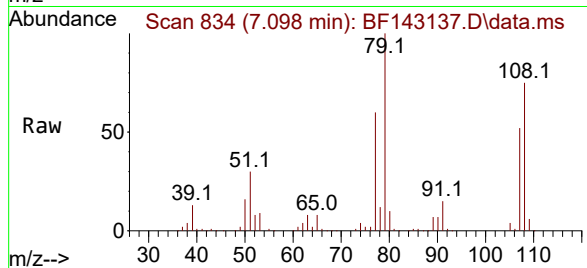
Tgt Ion: 79 Resp: 345178

Ion Ratio Lower Upper

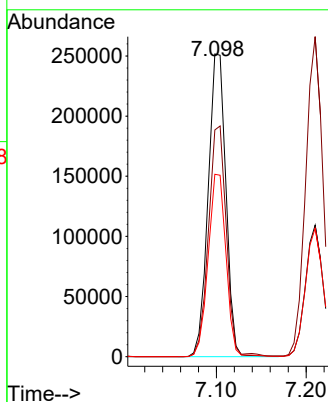
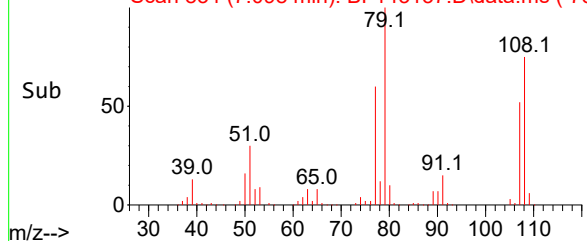
79 100

108 74.9 61.1 91.7

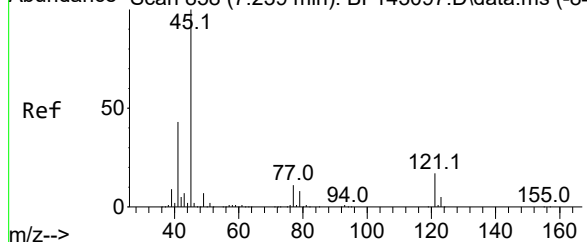
77 60.3 49.9 74.9



Abundance Scan 834 (7.098 min): BF143137.D\data.ms (-78



Abundance Scan 858 (7.239 min): BF143097.D\data.ms (-84



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.723 ng

RT: 7.239 min Scan# 858

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

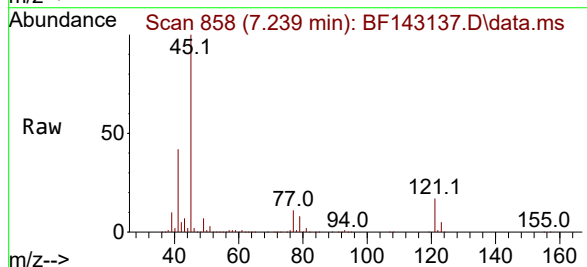
Tgt Ion: 45 Resp: 686686

Ion Ratio Lower Upper

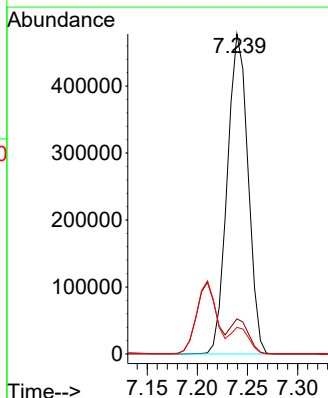
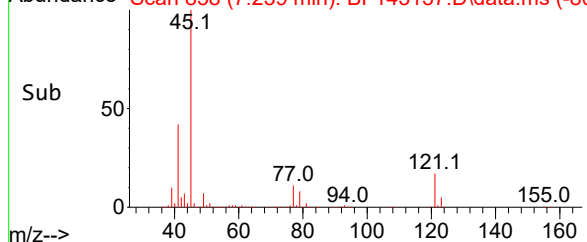
45 100

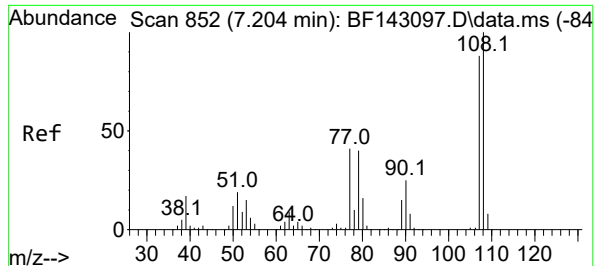
77 11.0 0.0 31.1

79 8.3 0.0 28.4



Abundance Scan 858 (7.239 min): BF143137.D\data.ms (-80

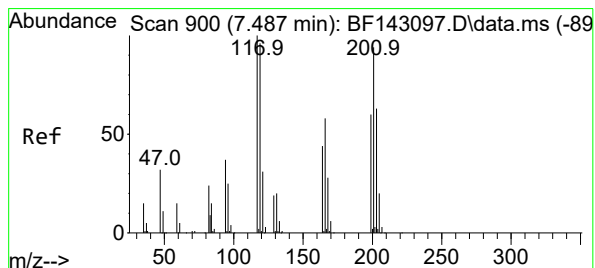
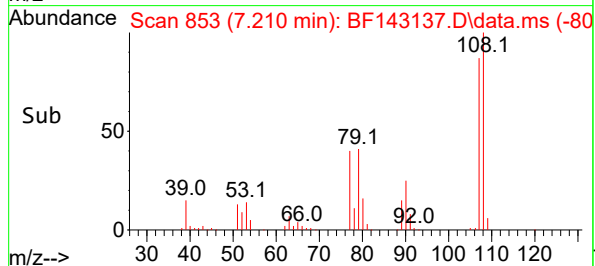
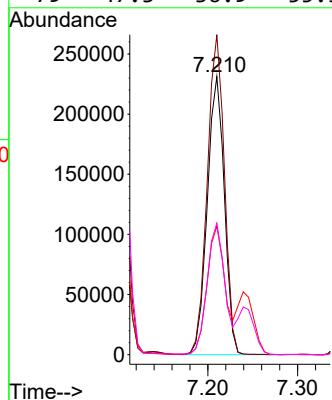
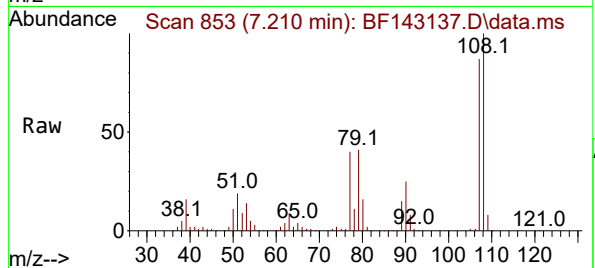




#17
2-Methylphenol
Concen: 38.650 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

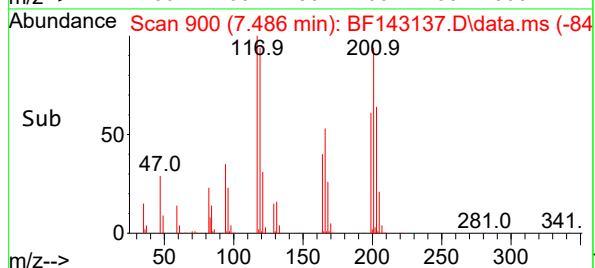
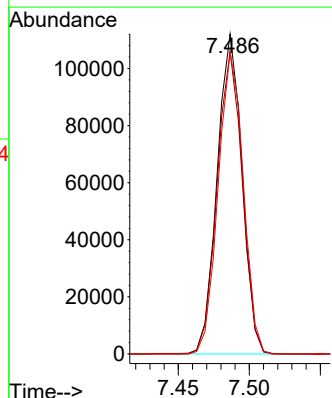
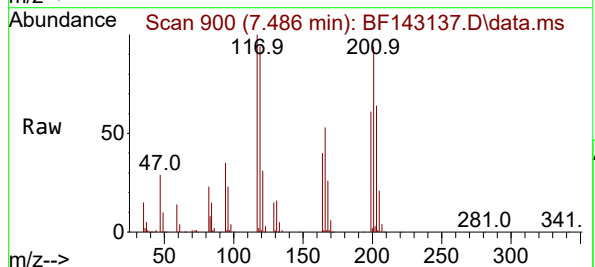
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

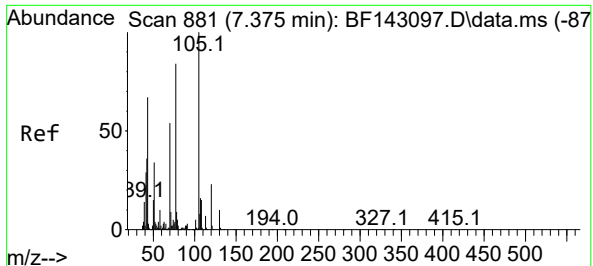
Tgt Ion:107 Resp: 306021
Ion Ratio Lower Upper
107 100
108 115.1 90.9 136.3
77 46.2 37.5 56.3
79 47.3 36.9 55.3



#18
Hexachloroethane
Concen: 40.240 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:117 Resp: 136608
Ion Ratio Lower Upper
117 100
119 94.5 76.7 115.1
201 94.4 75.0 112.4

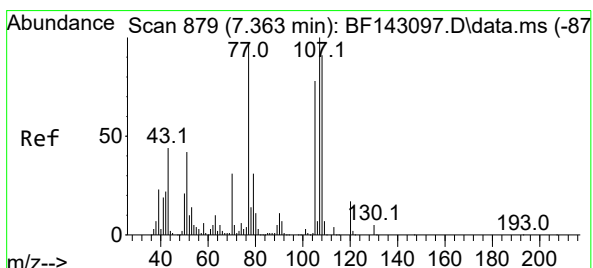
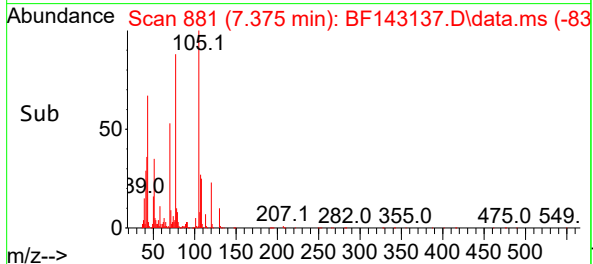
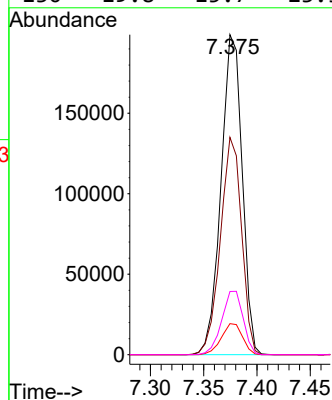
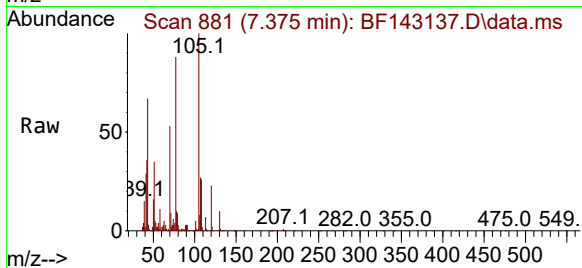




#19
n-Nitroso-di-n-propylamine
Concen: 39.003 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

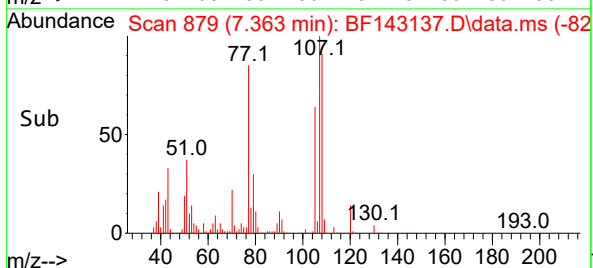
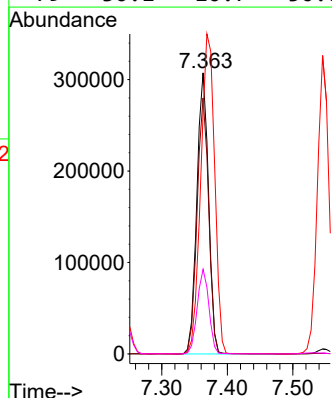
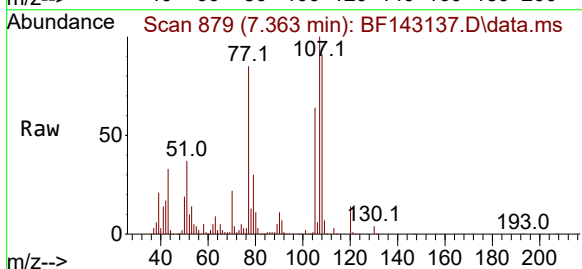
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

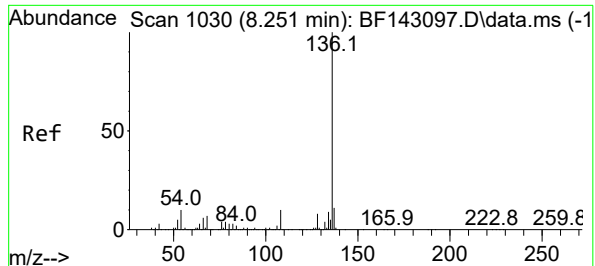
Tgt Ion: 70 Resp: 274293
Ion Ratio Lower Upper
70 100
42 67.9 53.2 79.8
101 9.7 7.5 11.3
130 19.8 15.7 23.5



#20
3+4-Methylphenols
Concen: 39.415 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 107 Resp: 382719
Ion Ratio Lower Upper
107 100
108 91.1 71.3 111.3
77 85.5 77.2 117.2
79 30.1 10.7 50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.251 min Scan# 1030

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:136 Resp: 514495

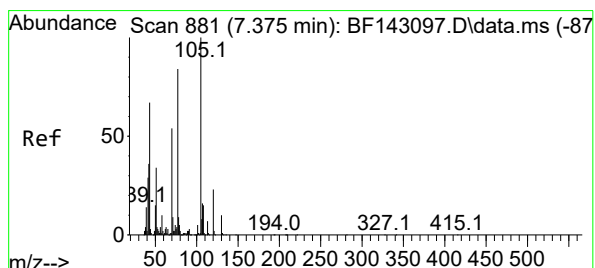
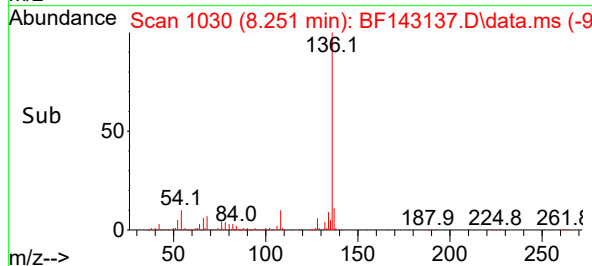
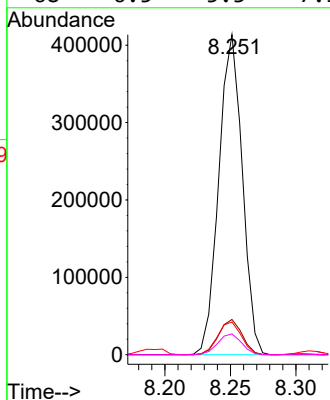
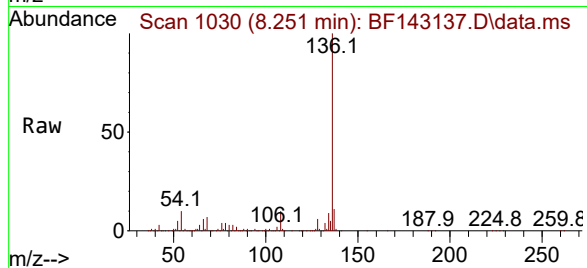
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.2 8.3 12.5

68 6.5 5.3 7.9



#22

Acetophenone

Concen: 39.785 ng

RT: 7.375 min Scan# 881

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Tgt Ion:105 Resp: 493430

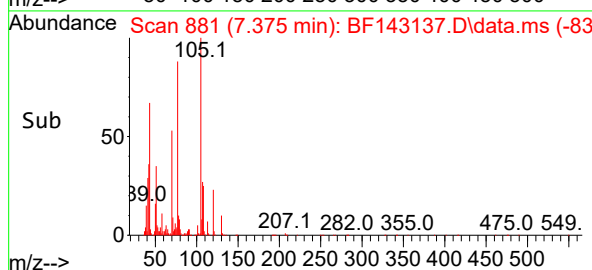
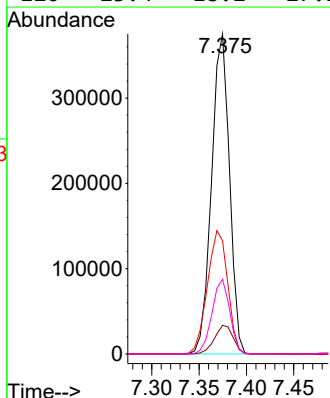
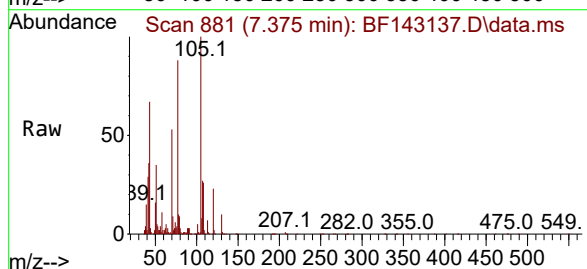
Ion Ratio Lower Upper

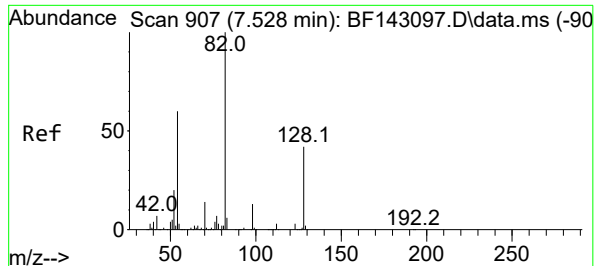
105 100

71 9.0 7.2 10.8

51 35.4 27.0 40.4

120 23.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 92.552 ng

RT: 7.528 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

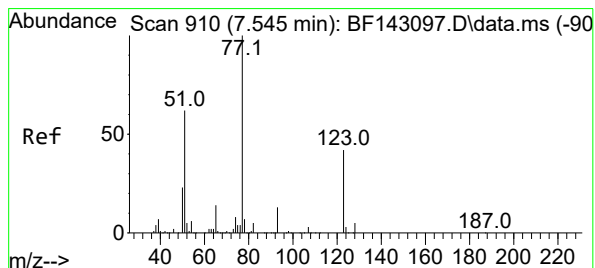
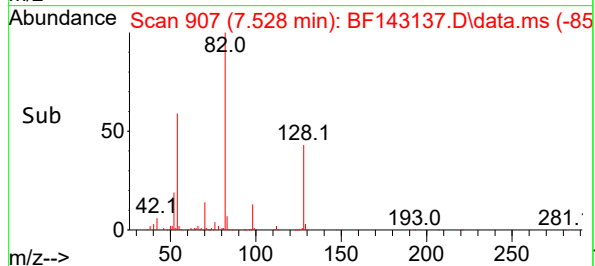
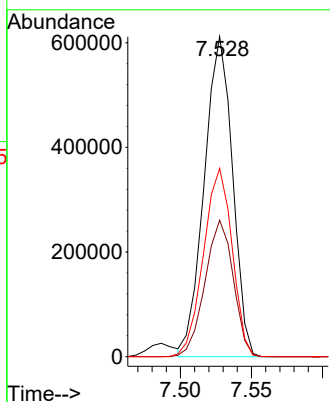
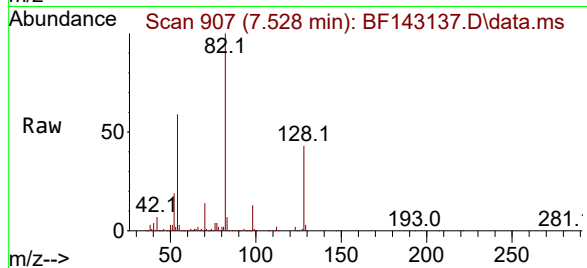
Tgt Ion: 82 Resp: 848823

Ion Ratio Lower Upper

82 100

128 42.7 33.3 49.9

54 58.9 47.4 71.2



#24

Nitrobenzene

Concen: 44.942 ng

RT: 7.545 min Scan# 910

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

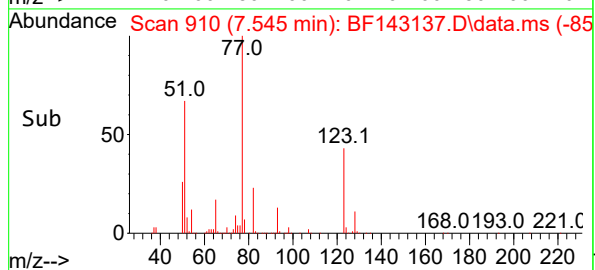
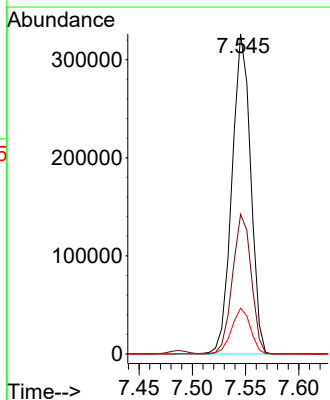
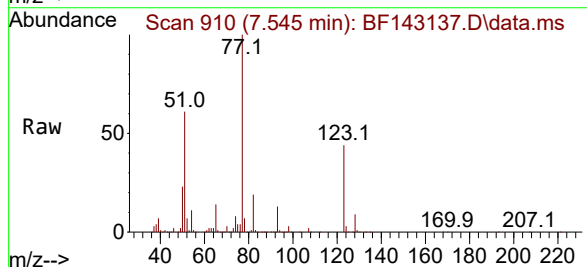
Tgt Ion: 77 Resp: 397905

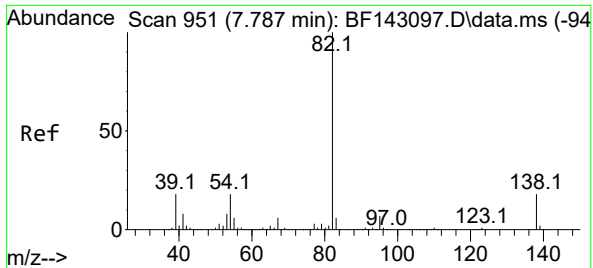
Ion Ratio Lower Upper

77 100

123 43.7 34.5 51.7

65 14.3 11.3 16.9

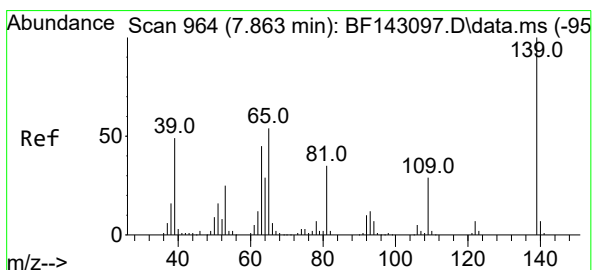
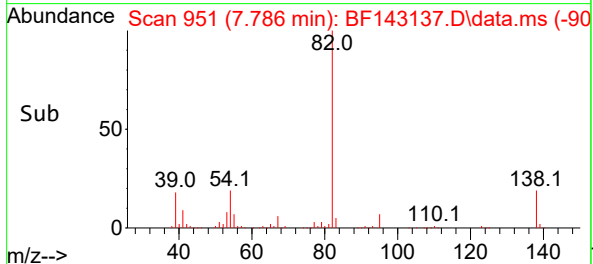
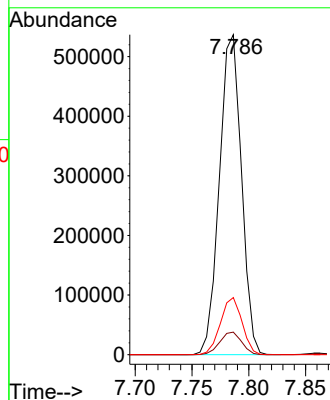
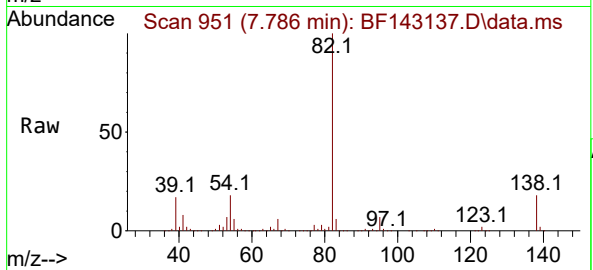




#25
Isophorone
Concen: 40.892 ng
RT: 7.786 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

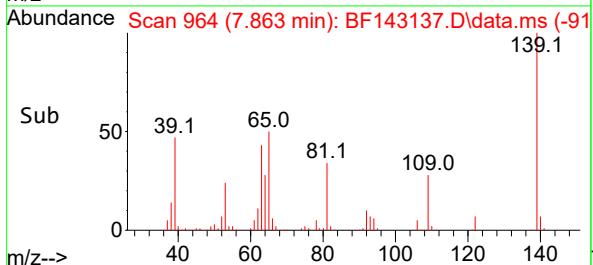
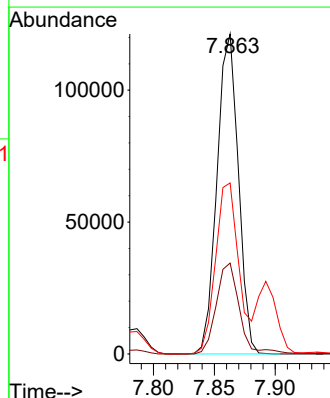
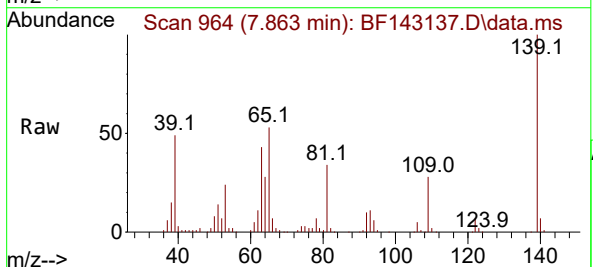
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

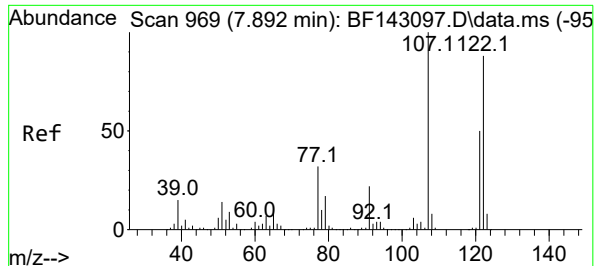
Tgt Ion: 82 Resp: 724887
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 17.9 14.3 21.5



#26
2-Nitrophenol
Concen: 42.372 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:139 Resp: 148139
Ion Ratio Lower Upper
139 100
109 28.4 23.4 35.0
65 53.5 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 41.206 ng

RT: 7.892 min Scan# 969

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

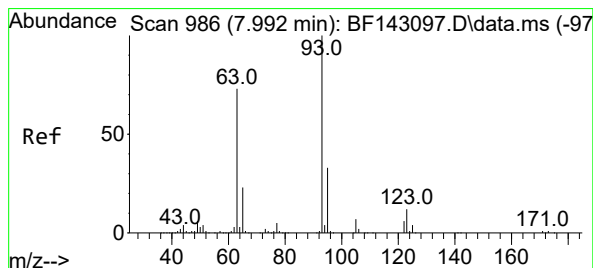
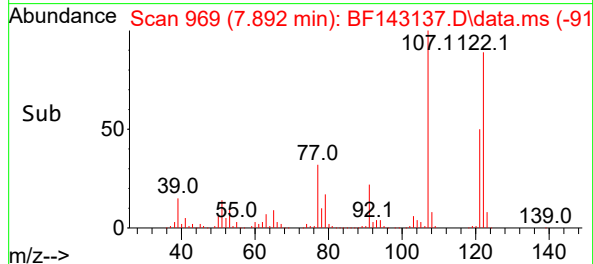
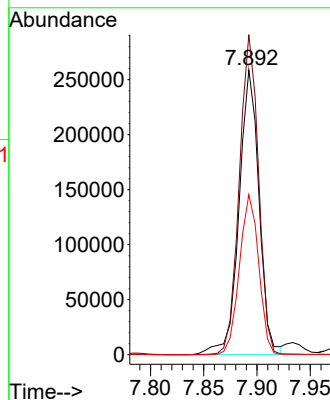
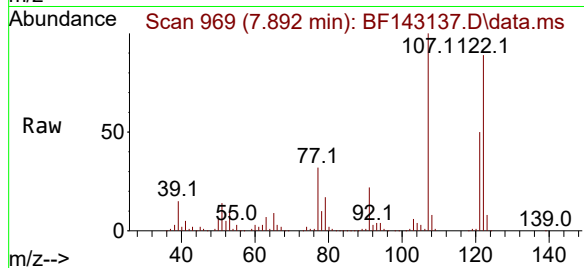
Tgt Ion:122 Resp: 339027

Ion Ratio Lower Upper

122 100

107 112.4 91.3 136.9

121 56.2 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 41.266 ng

RT: 7.992 min Scan# 986

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

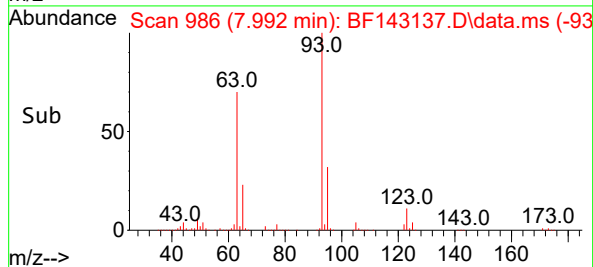
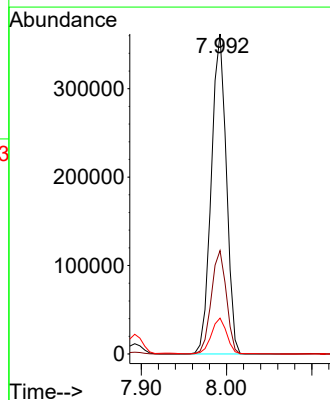
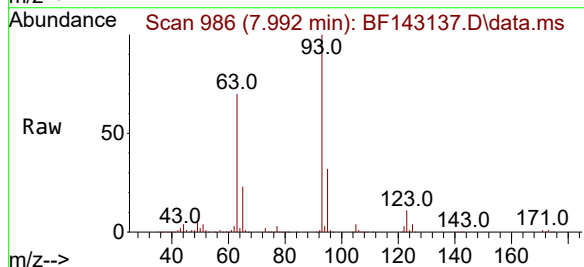
Tgt Ion: 93 Resp: 443588

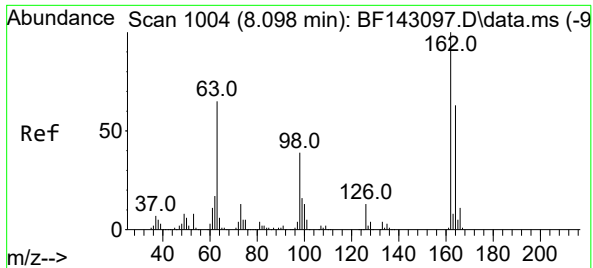
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.4

123 11.2 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 39.049 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

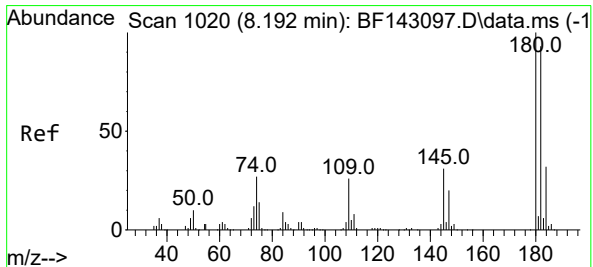
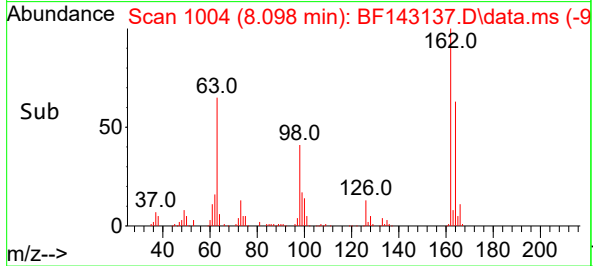
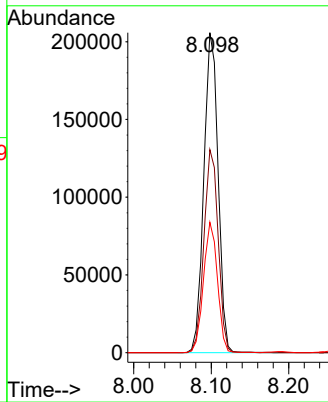
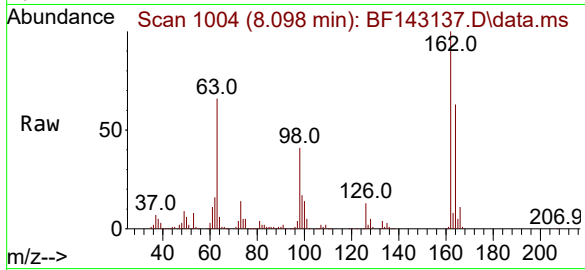
Tgt Ion:162 Resp: 262840

Ion Ratio Lower Upper

162 100

164 63.4 43.1 83.1

98 40.8 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 40.052 ng

RT: 8.192 min Scan# 1020

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

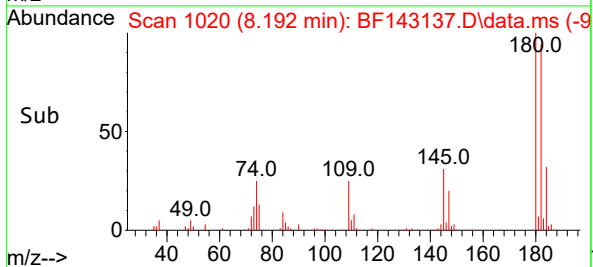
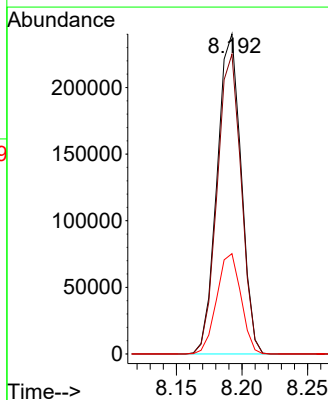
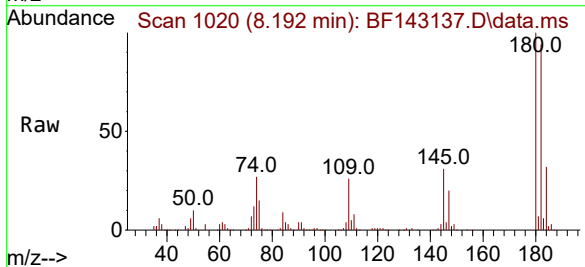
Tgt Ion:180 Resp: 305955

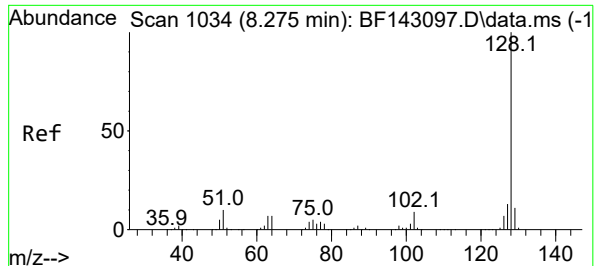
Ion Ratio Lower Upper

180 100

182 93.6 74.7 112.1

145 31.4 24.5 36.7





#31

Naphthalene

Concen: 39.022 ng

RT: 8.275 min Scan# 1034

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

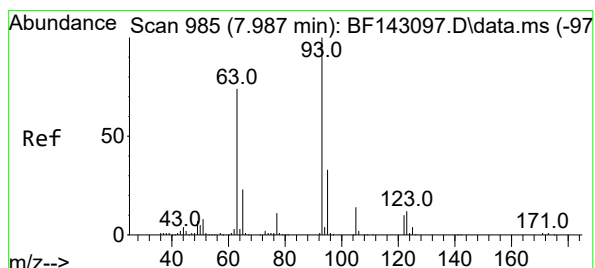
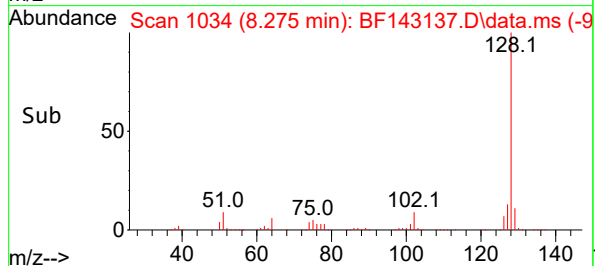
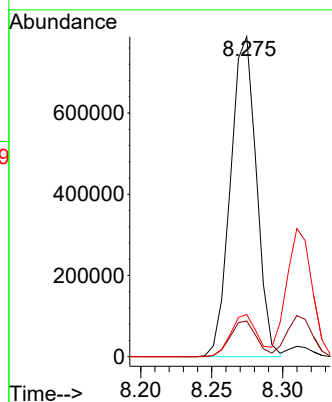
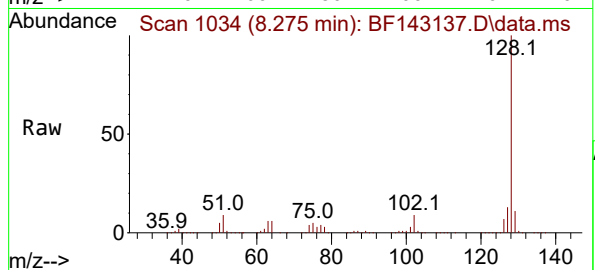
Tgt Ion:128 Resp: 996982

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.2 10.5 15.7



#32

Benzoic acid

Concen: 13.853 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.005 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

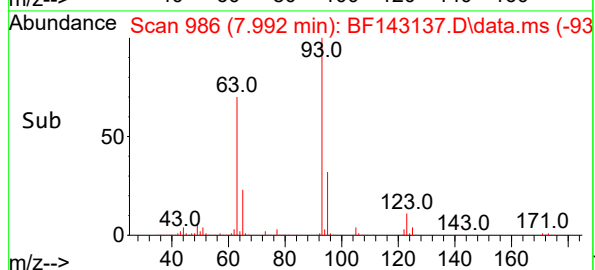
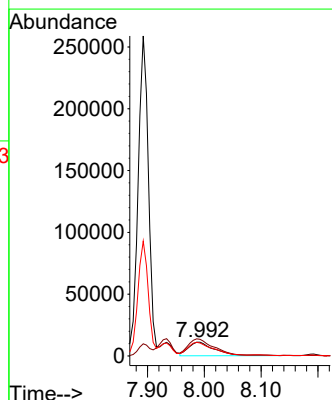
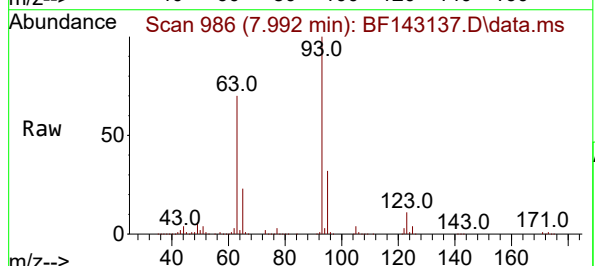
Tgt Ion:122 Resp: 34786

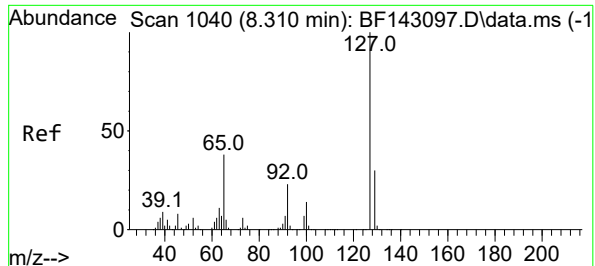
Ion Ratio Lower Upper

122 100

105 121.2 105.4 145.4

77 94.0 78.6 118.6





#33

4-Chloroaniline

Concen: 37.914 ng

RT: 8.310 min Scan# 1040

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:127 Resp: 389527

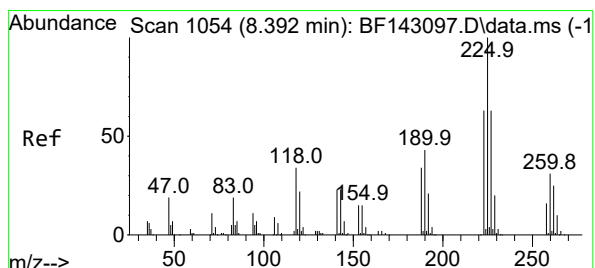
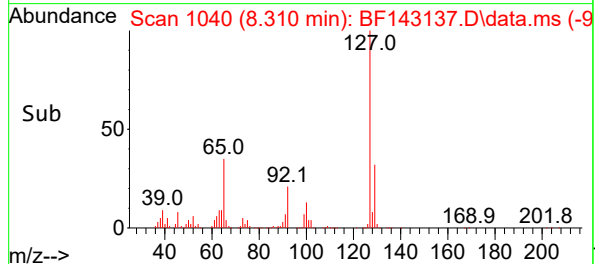
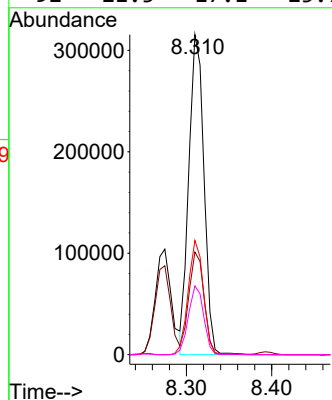
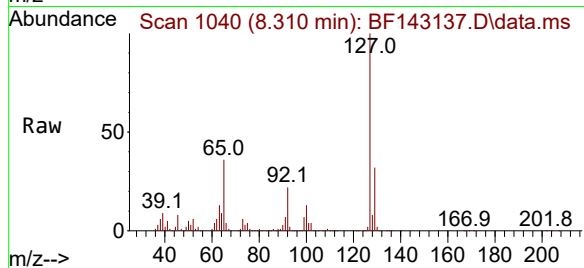
Ion Ratio Lower Upper

127 100

129 32.1 26.2 39.4

65 35.7 28.6 42.8

92 21.5 17.1 25.7



#34

Hexachlorobutadiene

Concen: 41.361 ng

RT: 8.392 min Scan# 1054

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

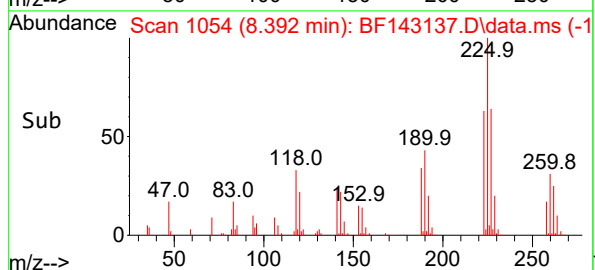
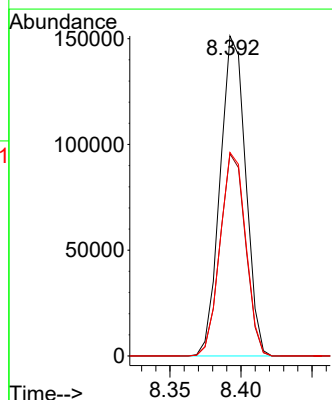
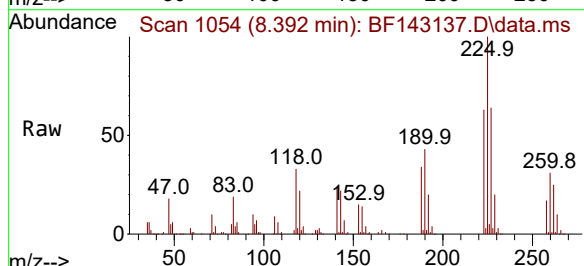
Tgt Ion:225 Resp: 188958

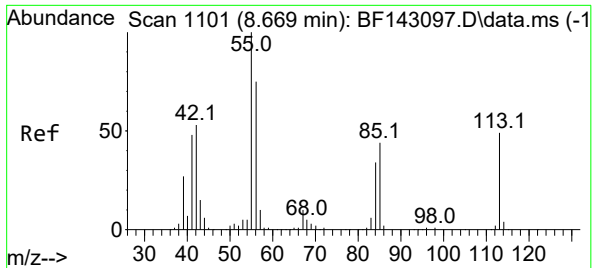
Ion Ratio Lower Upper

225 100

223 63.2 50.3 75.5

227 63.6 50.1 75.1





#35

Caprolactam

Concen: 37.085 ng

RT: 8.669 min Scan# 1101

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

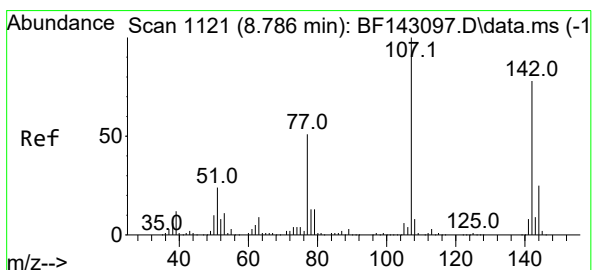
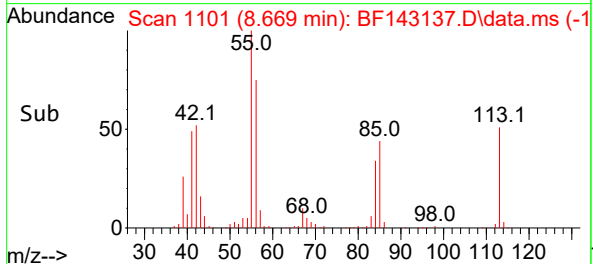
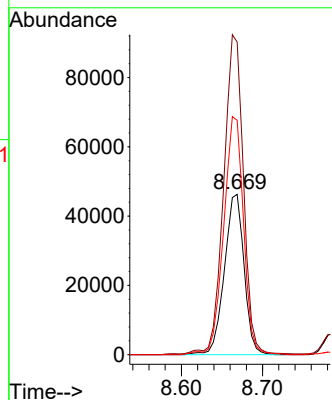
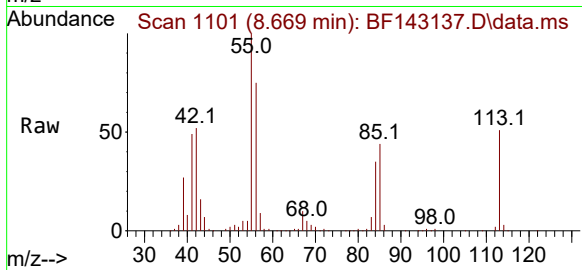
Tgt Ion:113 Resp: 77948

Ion Ratio Lower Upper

113 100

55 194.9 186.2 226.2

56 146.2 134.1 174.1



#36

4-Chloro-3-methylphenol

Concen: 37.997 ng

RT: 8.786 min Scan# 1121

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

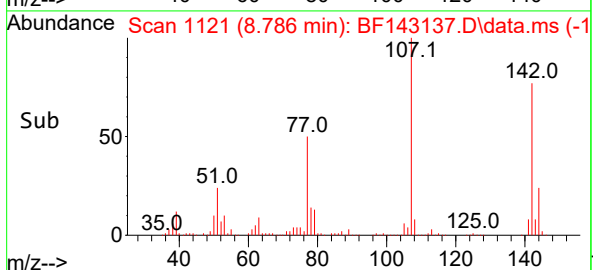
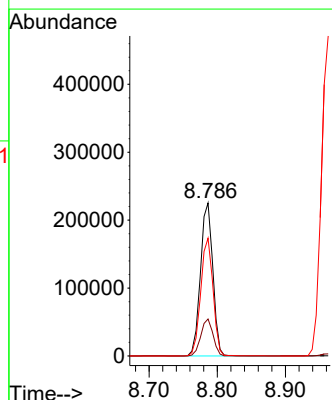
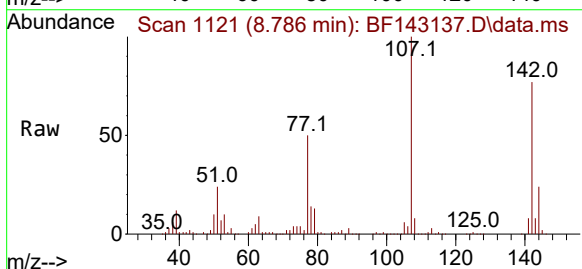
Tgt Ion:107 Resp: 284902

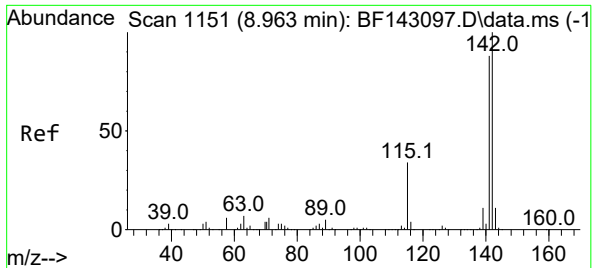
Ion Ratio Lower Upper

107 100

144 24.2 20.2 30.2

142 77.0 62.4 93.6

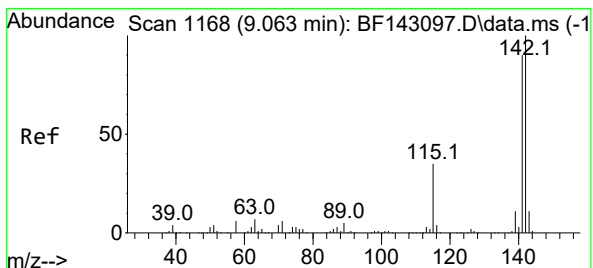
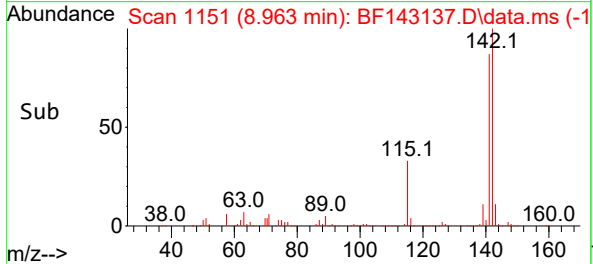
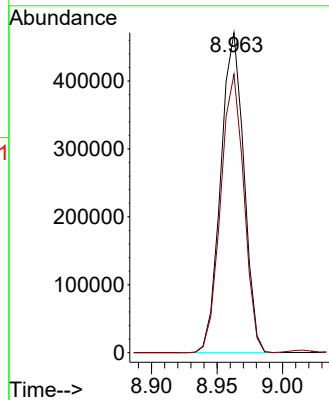
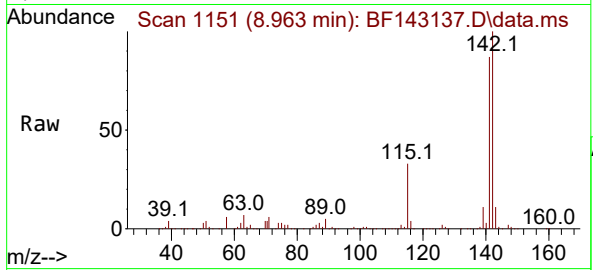




#37
2-Methylnaphthalene
Concen: 37.939 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

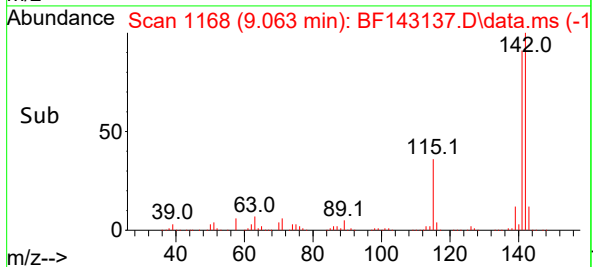
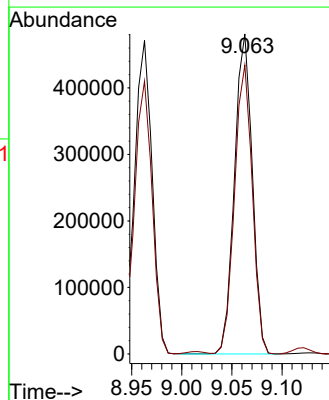
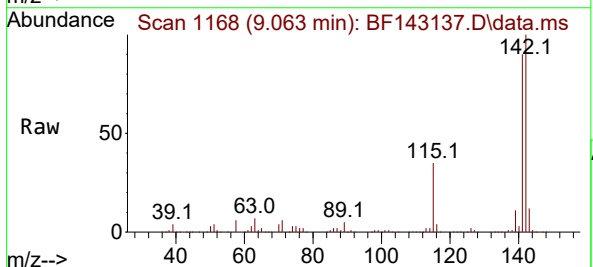
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

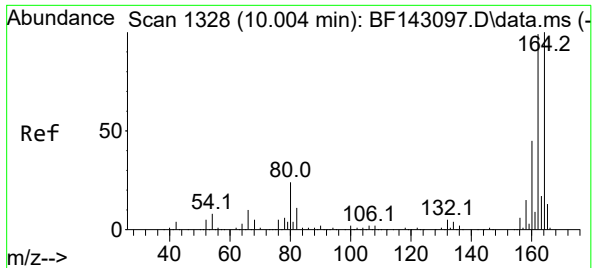
Tgt Ion:142 Resp: 578259
Ion Ratio Lower Upper
142 100
141 87.0 70.2 105.2



#38
1-Methylnaphthalene
Concen: 37.710 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:142 Resp: 596132
Ion Ratio Lower Upper
142 100
141 90.3 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143137.D

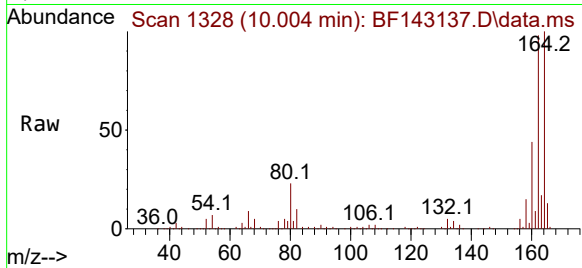
Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



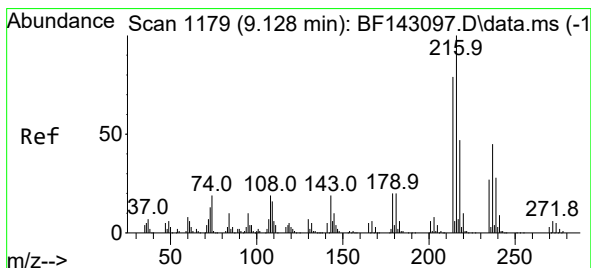
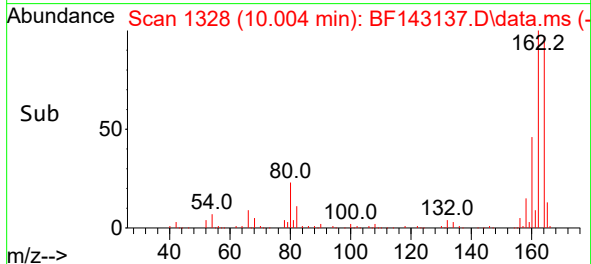
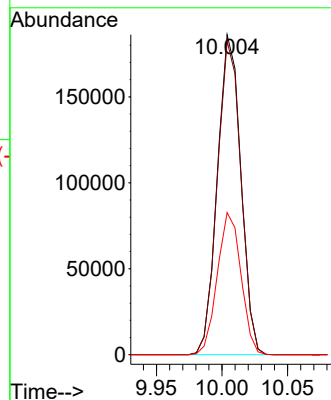
Tgt Ion:164 Resp: 231809

Ion Ratio Lower Upper

164 100

162 97.9 79.0 118.6

160 44.4 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.698 ng

RT: 9.127 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Tgt Ion:216 Resp: 281686

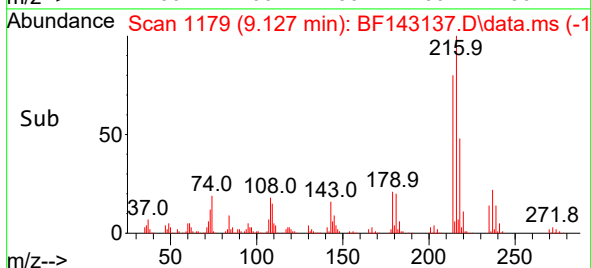
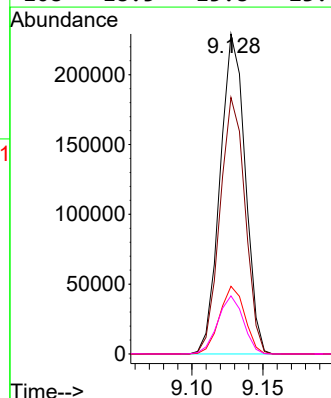
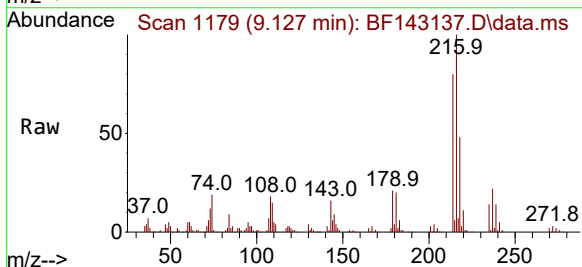
Ion Ratio Lower Upper

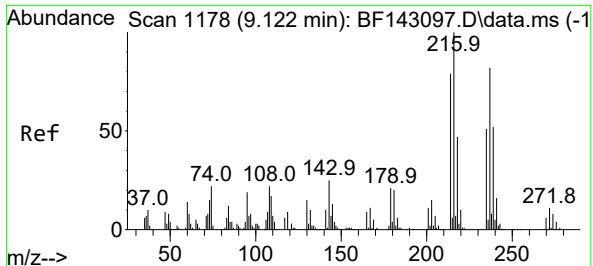
216 100

214 80.0 62.6 94.0

179 21.1 16.2 24.2

108 18.5 15.8 23.6

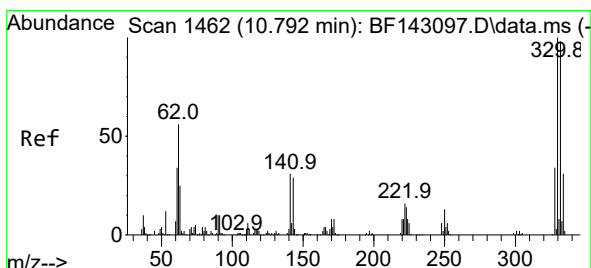
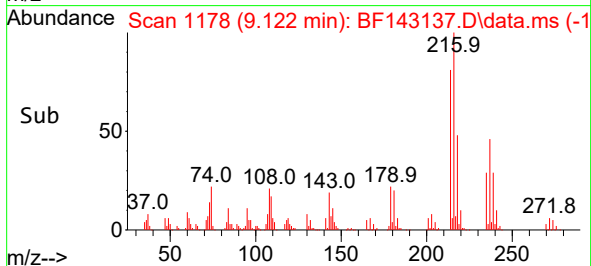
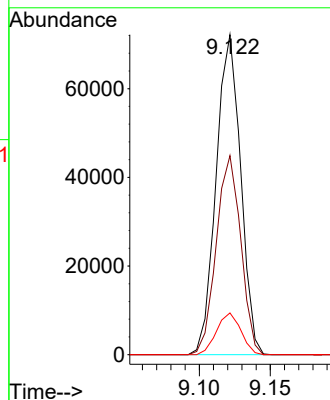
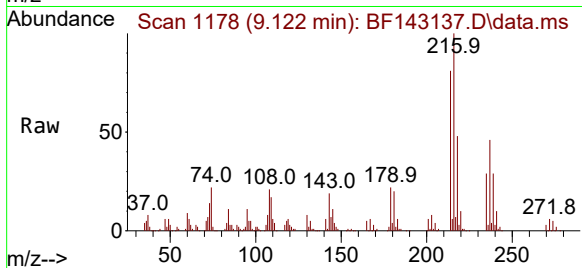




#41
Hexachlorocyclopentadiene
Concen: 23.127 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

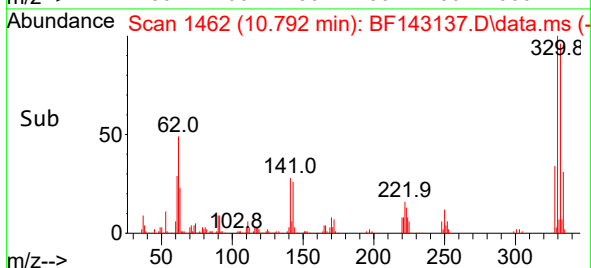
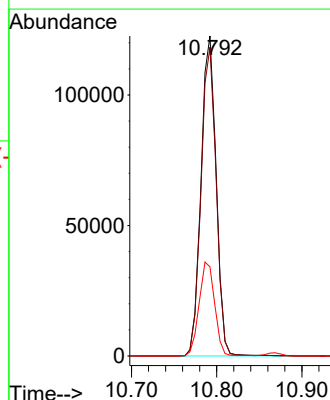
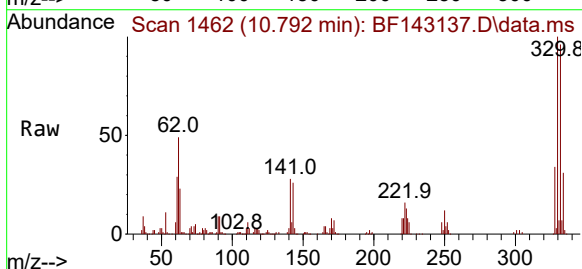
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

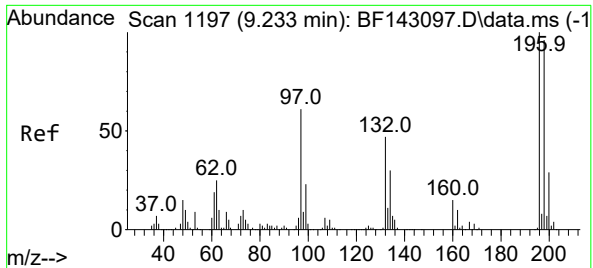
Tgt Ion: 237 Resp: 86619
Ion Ratio Lower Upper
237 100
235 62.2 41.6 81.6
272 13.0 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 73.003 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 330 Resp: 150891
Ion Ratio Lower Upper
330 100
332 96.5 77.9 116.9
141 30.3 25.9 38.9

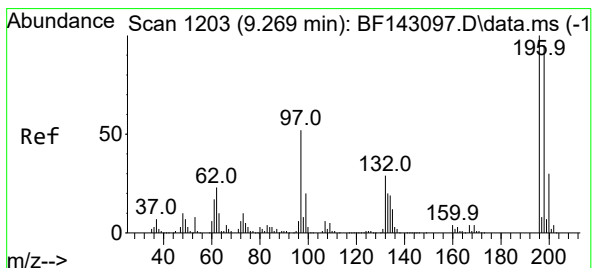
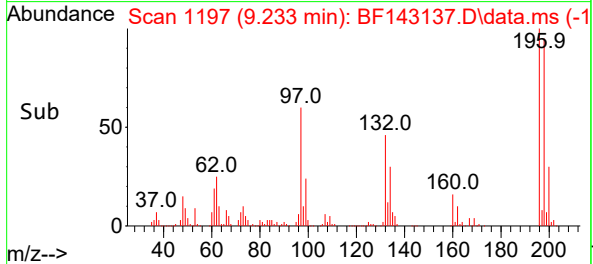
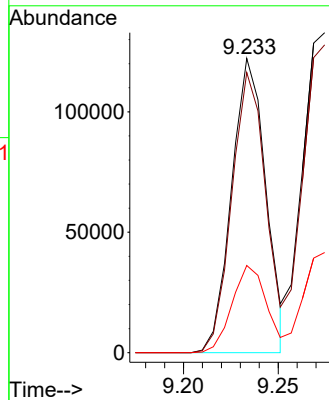
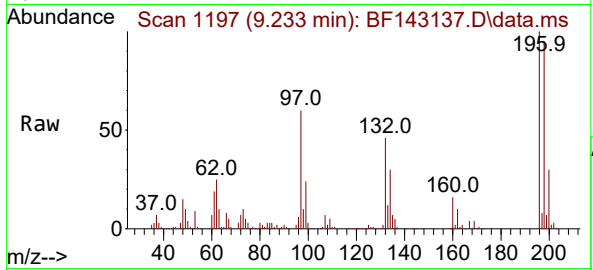




#43
2,4,6-Trichlorophenol
Concen: 36.620 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

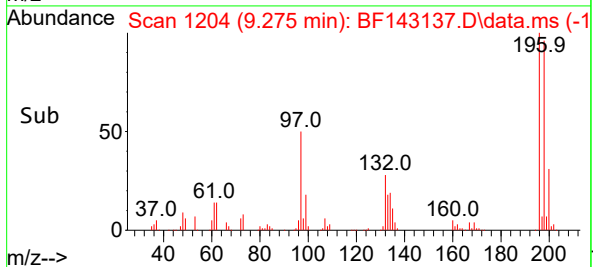
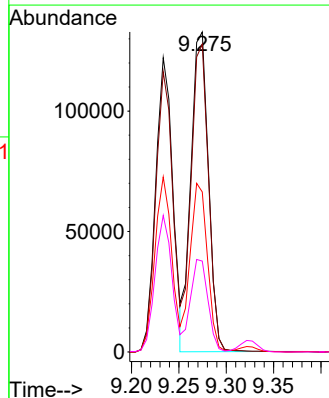
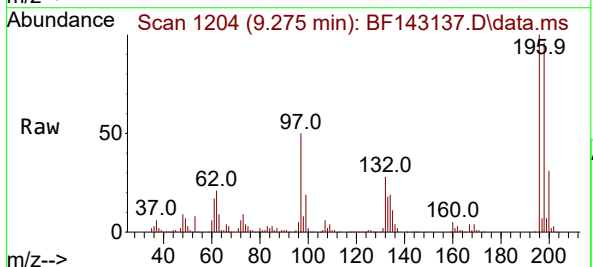
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

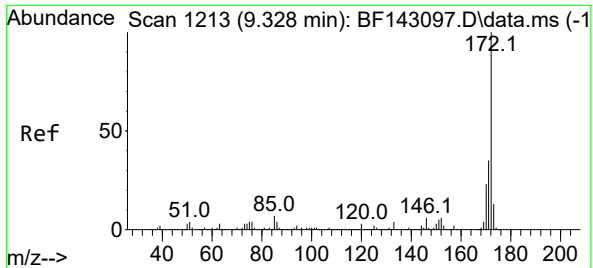
Tgt Ion:196 Resp: 153713
Ion Ratio Lower Upper
196 100
198 95.2 76.9 115.3
200 29.6 23.5 35.3



#44
2,4,5-Trichlorophenol
Concen: 38.898 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:196 Resp: 171201
Ion Ratio Lower Upper
196 100
198 96.2 76.4 114.6
97 50.0 42.4 63.6
132 28.4 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 80.821 ng

RT: 9.322 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

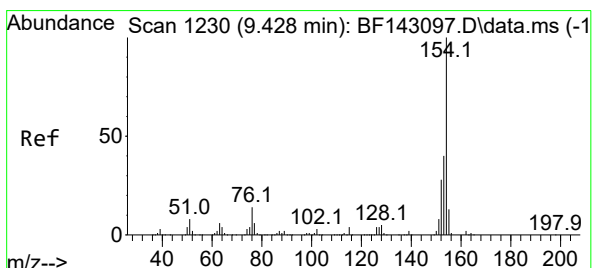
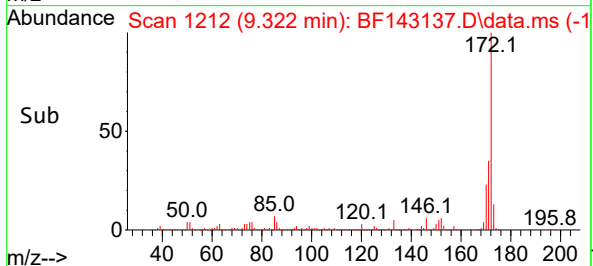
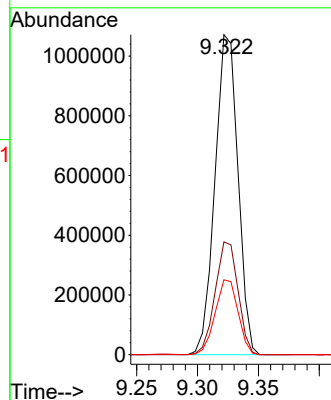
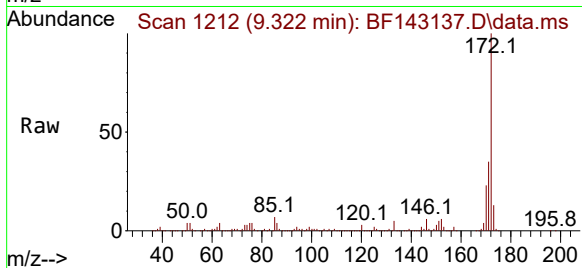
Tgt Ion:172 Resp: 1409405

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.4 18.6 28.0



#46

1,1'-Biphenyl

Concen: 40.638 ng

RT: 9.427 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

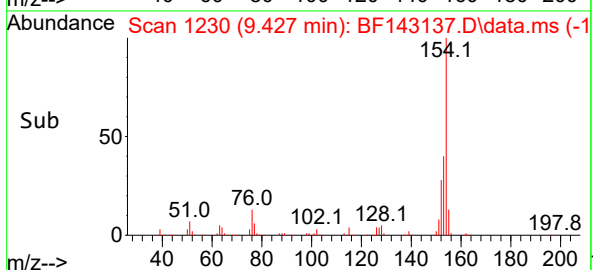
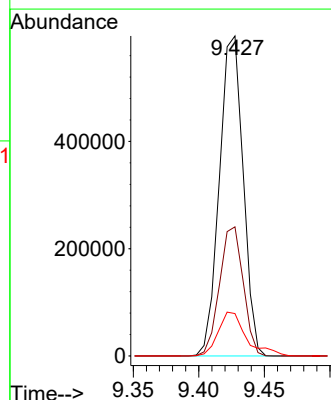
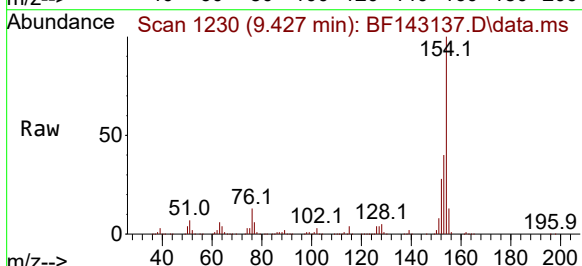
Tgt Ion:154 Resp: 751239

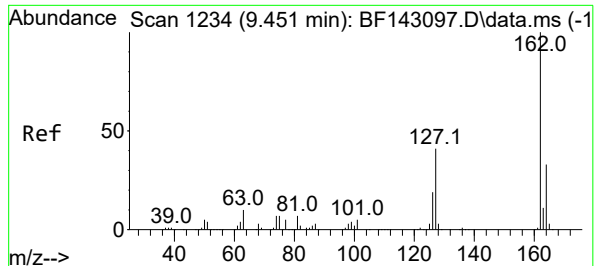
Ion Ratio Lower Upper

154 100

153 40.4 20.1 60.1

76 13.3 0.0 33.7





#47

2-Chloronaphthalene

Concen: 39.549 ng

RT: 9.451 min Scan# 1234

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

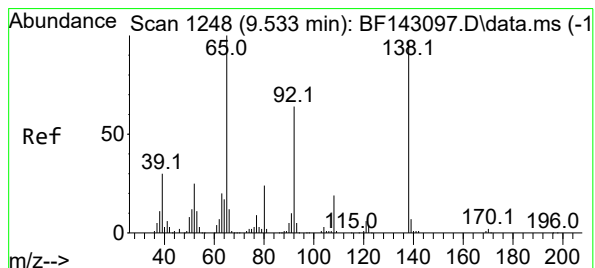
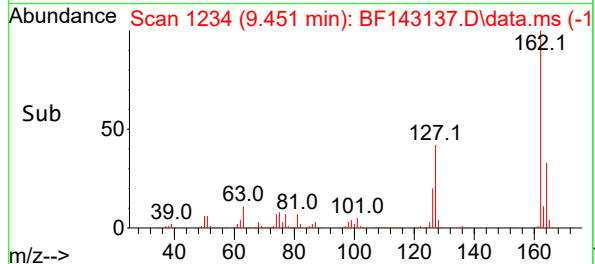
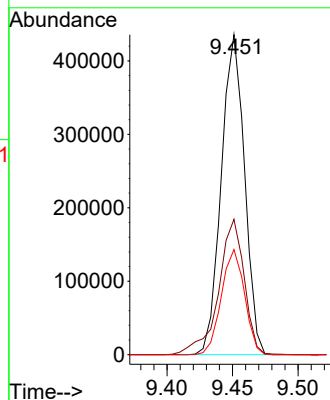
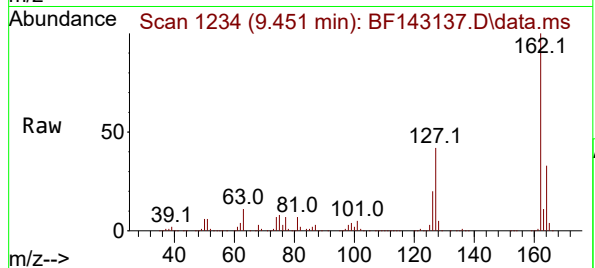
Tgt Ion:162 Resp: 537100

Ion Ratio Lower Upper

162 100

127 42.3 33.0 49.6

164 32.9 26.1 39.1



#48

2-Nitroaniline

Concen: 44.648 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

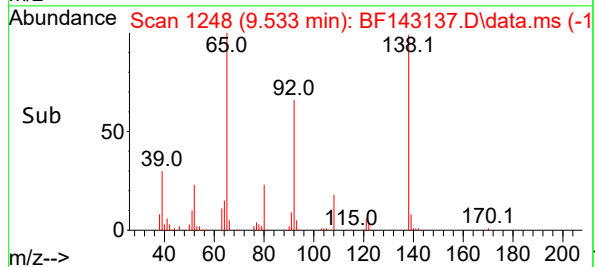
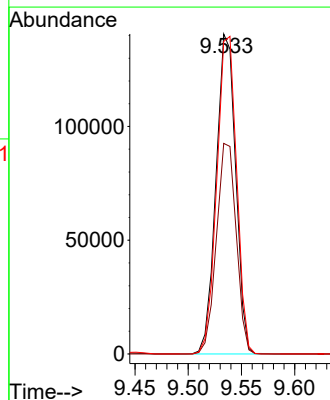
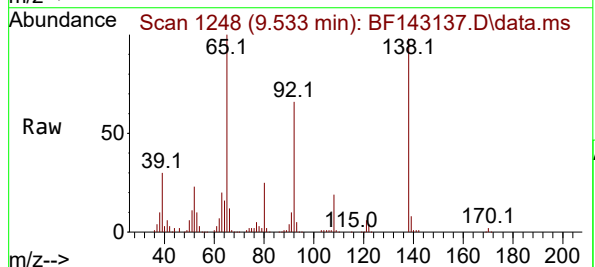
Tgt Ion: 65 Resp: 180073

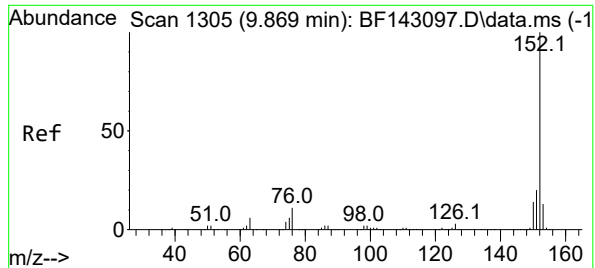
Ion Ratio Lower Upper

65 100

92 65.8 51.3 76.9

138 97.6 77.8 116.6





#49

Acenaphthylene

Concen: 39.008 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

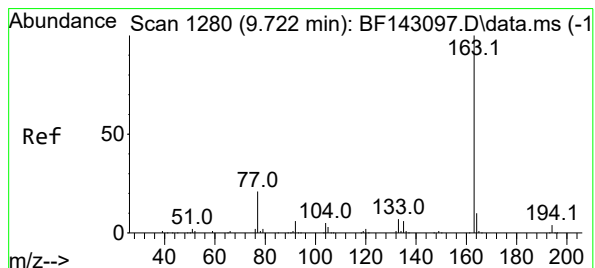
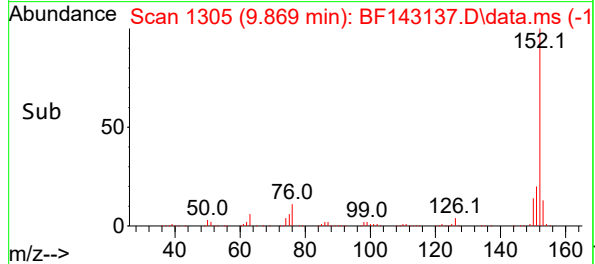
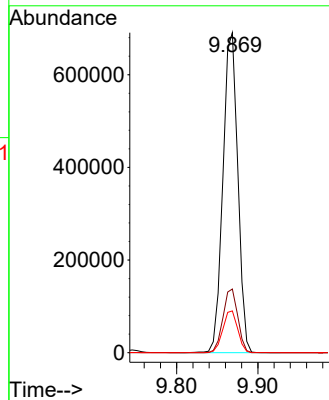
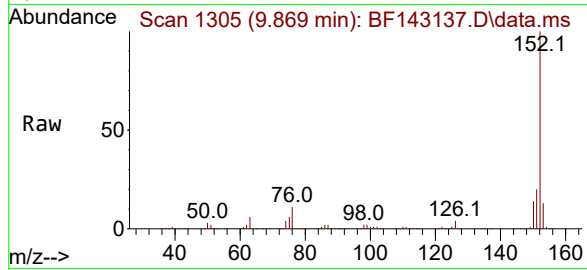
Tgt Ion:152 Resp: 882729

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 42.709 ng

RT: 9.722 min Scan# 1280

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

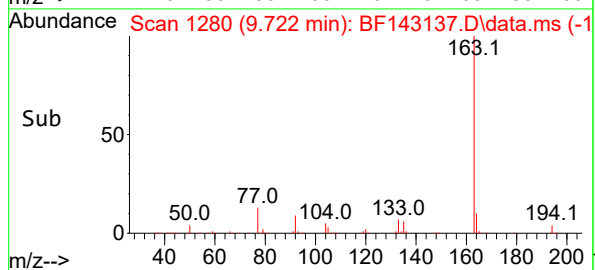
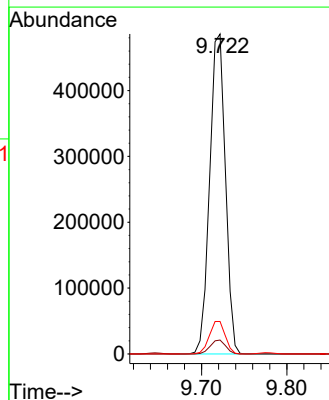
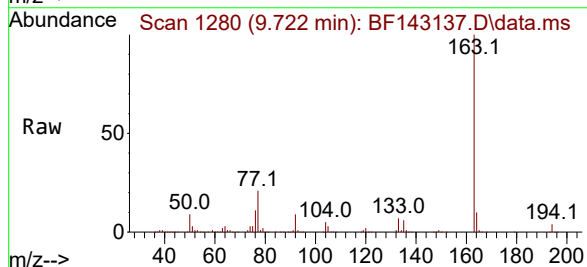
Tgt Ion:163 Resp: 622841

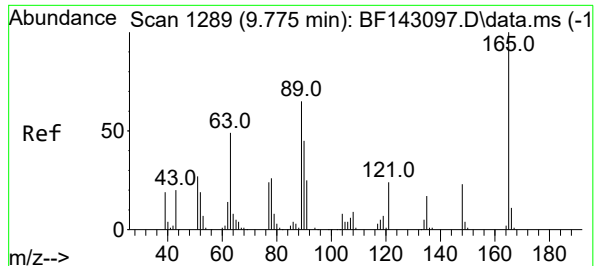
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.1 8.2 12.2

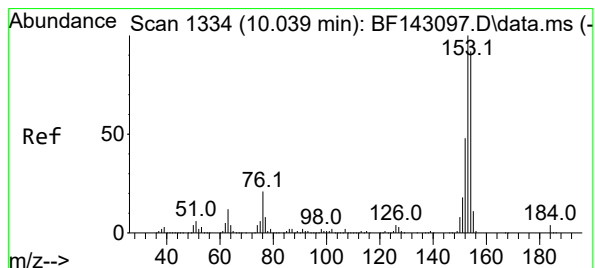
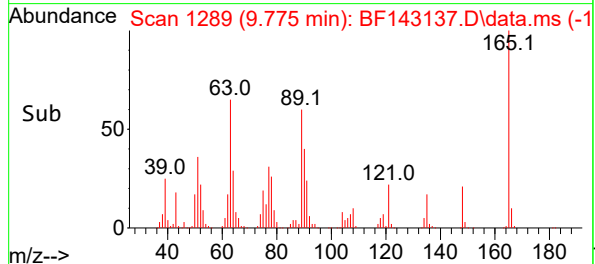
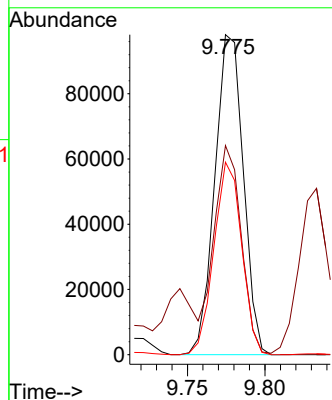
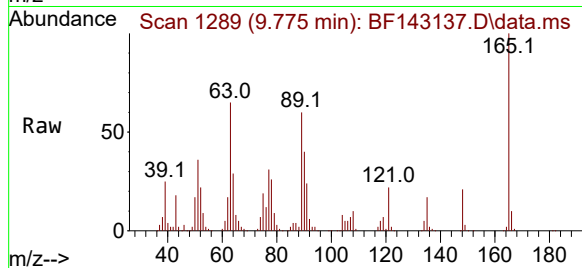




#51
2,6-Dinitrotoluene
Concen: 43.803 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

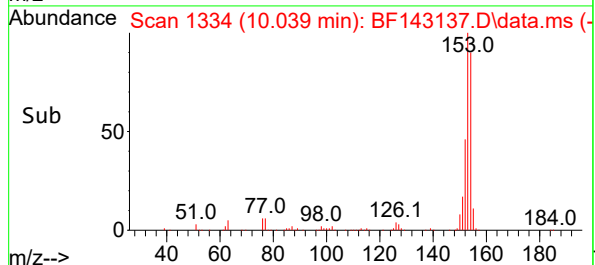
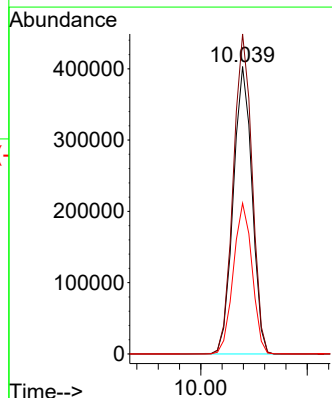
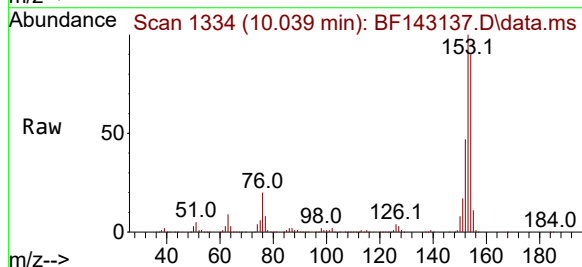
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

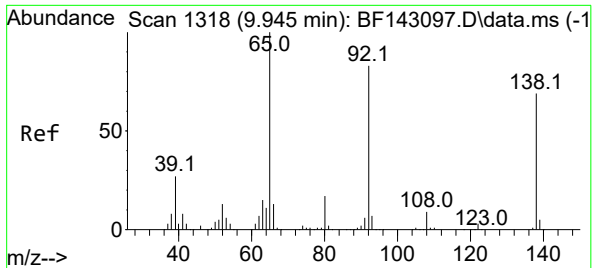
Tgt Ion:165 Resp: 125478
Ion Ratio Lower Upper
165 100
63 65.3 57.4 86.0
89 60.1 51.8 77.8



#52
Acenaphthene
Concen: 37.016 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:154 Resp: 494312
Ion Ratio Lower Upper
154 100
153 111.3 86.7 130.1
152 52.5 41.4 62.2

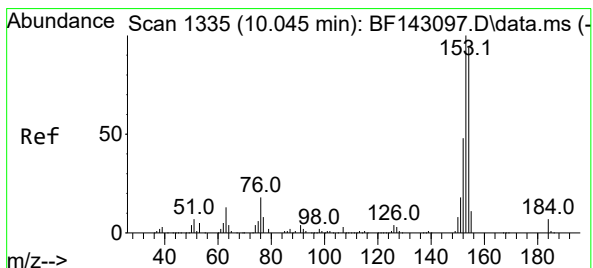
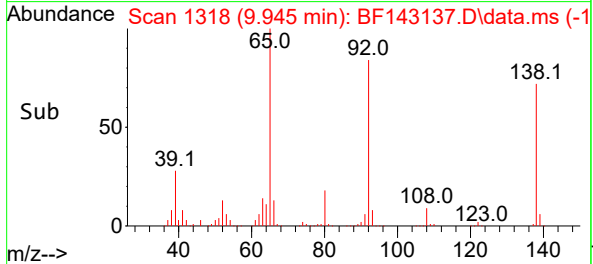
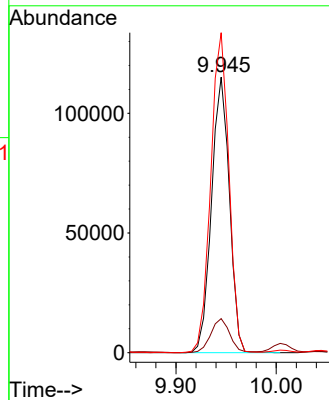
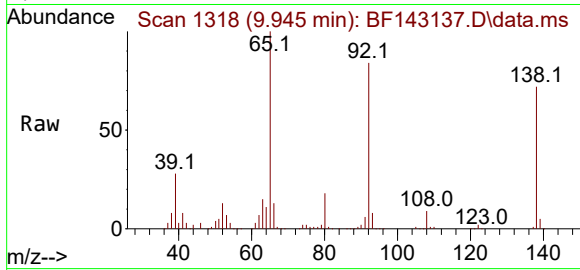




#53
3-Nitroaniline
Concen: 45.308 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

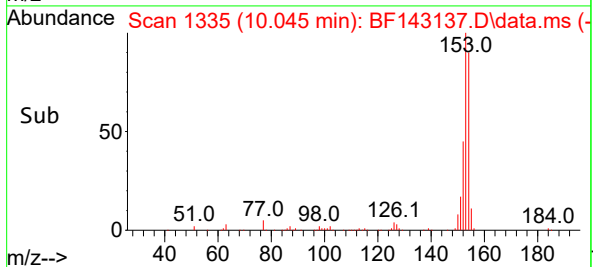
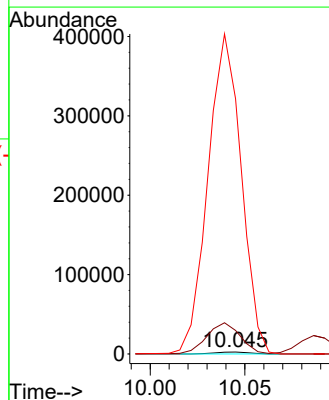
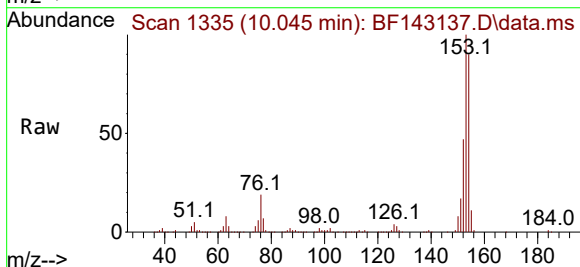
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

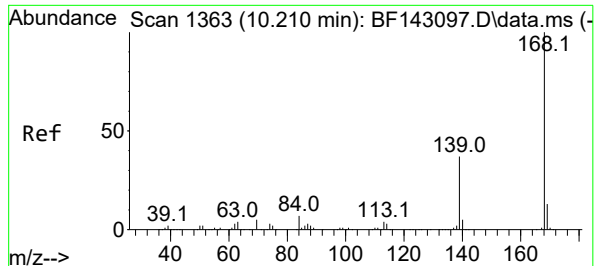
Tgt Ion:138 Resp: 142775
Ion Ratio Lower Upper
138 100
108 12.4 10.1 15.1
92 116.2 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 8.444 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:184 Resp: 2929
Ion Ratio Lower Upper
184 100
63 1226.6 149.3 223.9#
154 13270.2 1048.0 1572.0#





#55

Dibenzofuran

Concen: 37.488 ng

RT: 10.210 min Scan# 1363

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

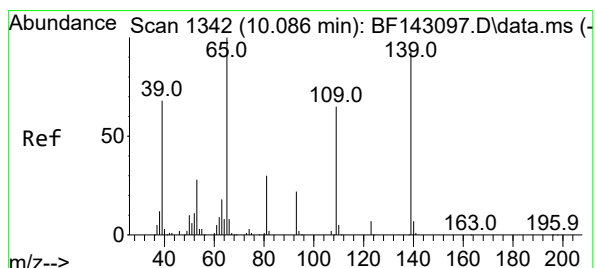
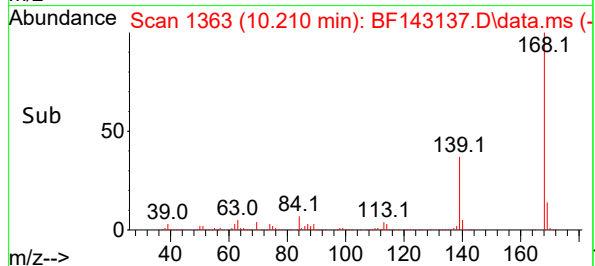
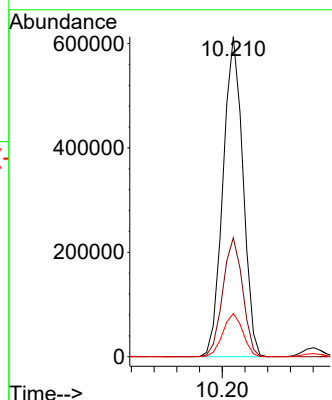
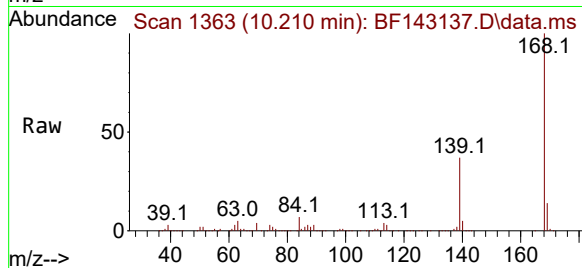
Tgt Ion:168 Resp: 746194

Ion Ratio Lower Upper

168 100

139 37.2 29.8 44.6

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 37.764 ng

RT: 10.086 min Scan# 1342

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

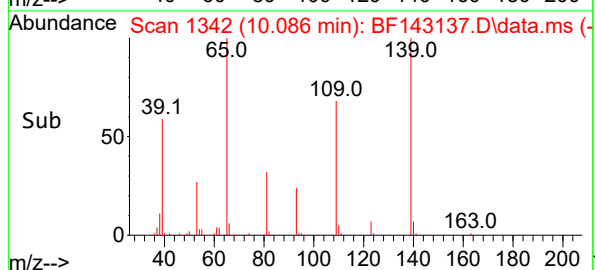
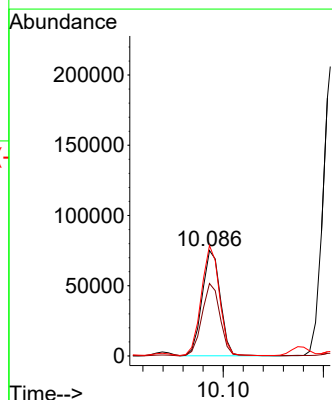
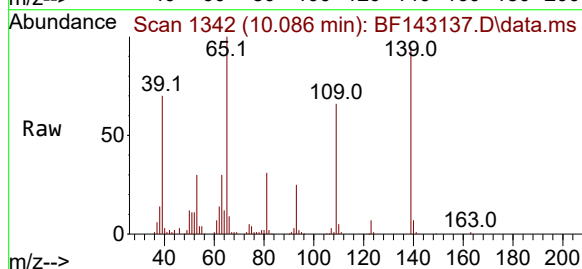
Tgt Ion:139 Resp: 94578

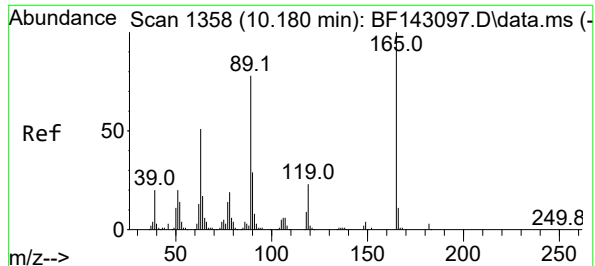
Ion Ratio Lower Upper

139 100

109 68.7 49.4 89.4

65 104.8 88.2 128.2





#57

2,4-Dinitrotoluene

Concen: 40.390 ng

RT: 10.180 min Scan# 1358

Delta R.T. 0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:165 Resp: 143263

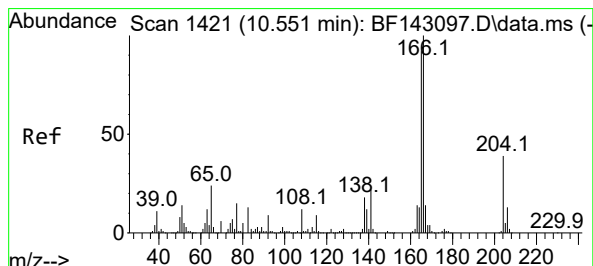
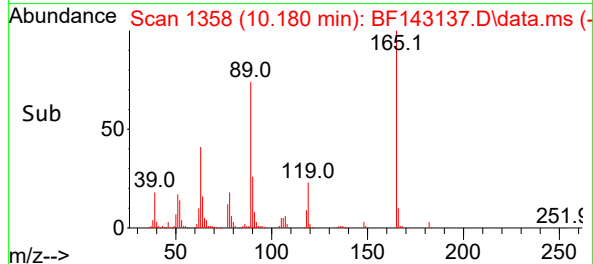
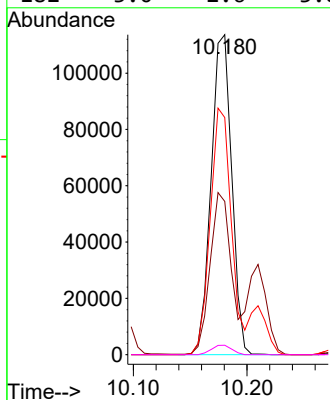
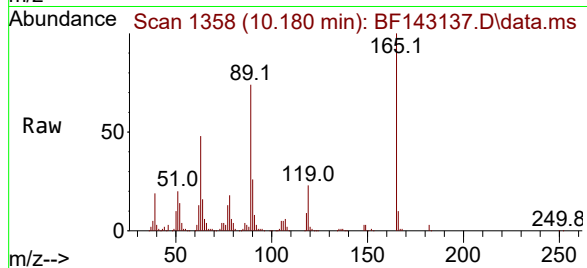
Ion Ratio Lower Upper

165 100

63 47.9 40.6 61.0

89 74.1 62.3 93.5

182 3.0 2.6 3.8



#58

Fluorene

Concen: 36.553 ng

RT: 10.551 min Scan# 1421

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

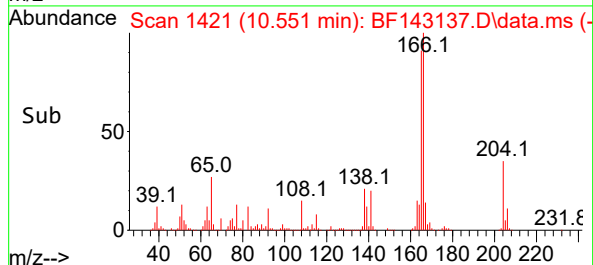
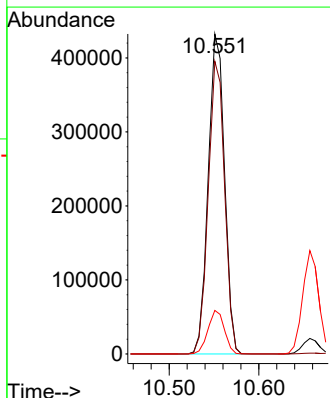
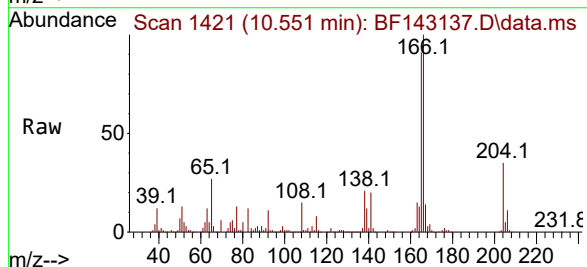
Tgt Ion:166 Resp: 545475

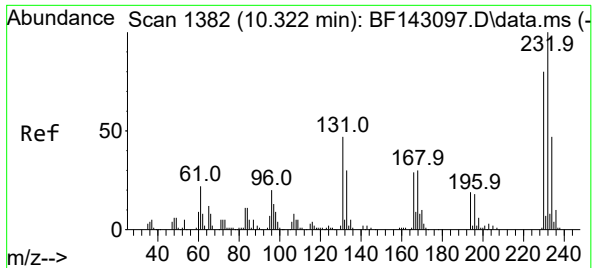
Ion Ratio Lower Upper

166 100

165 91.4 73.7 110.5

167 13.6 10.9 16.3

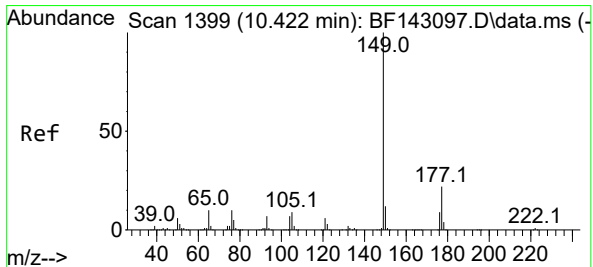
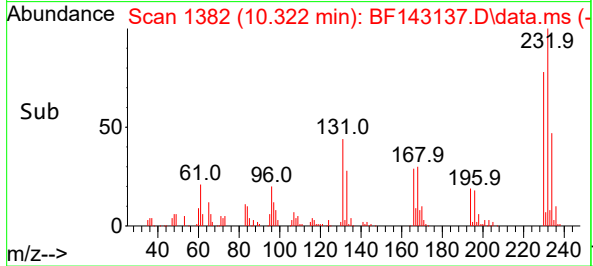
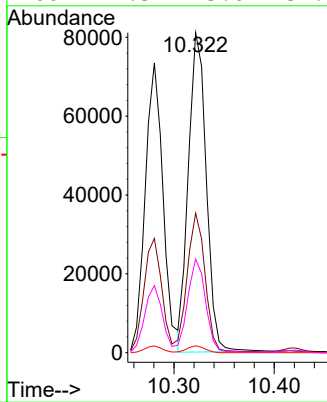
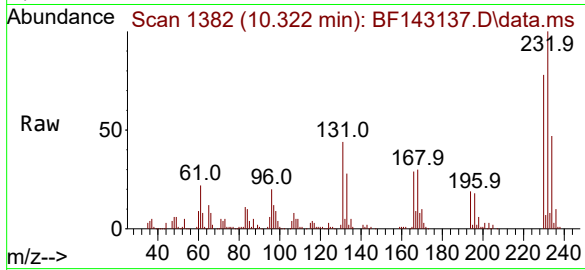




#59
2,3,4,6-Tetrachlorophenol
Concen: 28.775 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

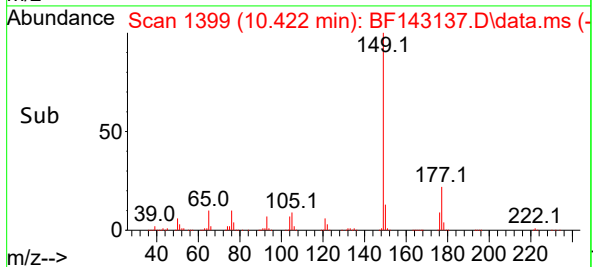
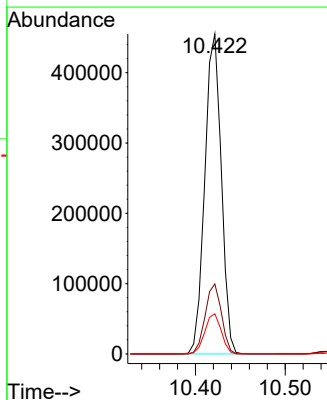
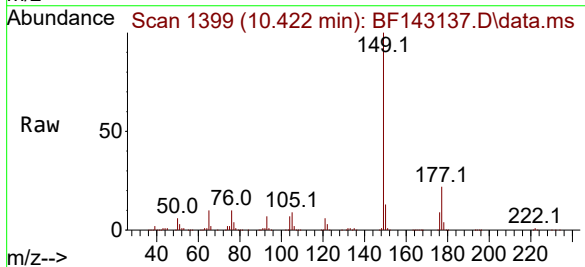
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

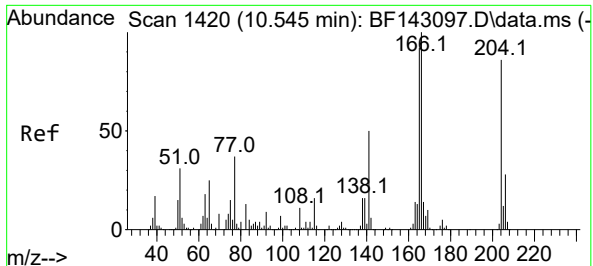
Tgt Ion:232 Resp: 100646
Ion Ratio Lower Upper
232 100
131 44.5 36.9 55.3
130 2.2 1.8 2.8
166 29.3 23.0 34.6



#60
Diethylphthalate
Concen: 41.278 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:149 Resp: 580771
Ion Ratio Lower Upper
149 100
177 21.9 17.3 25.9
150 12.5 9.9 14.9

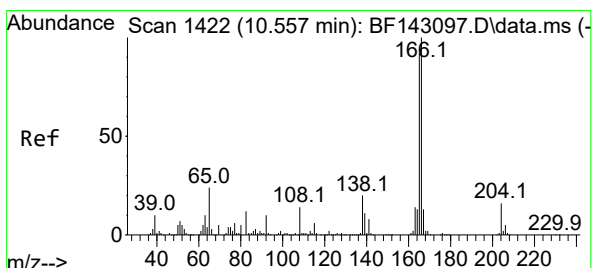
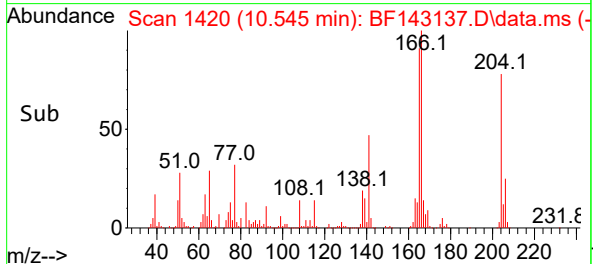
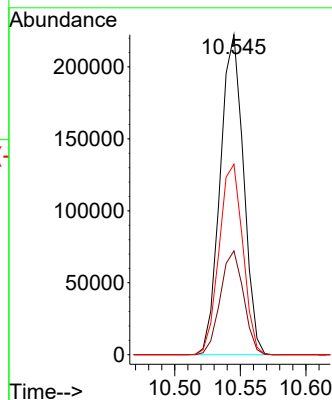
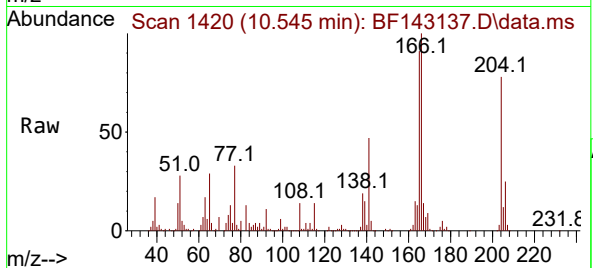




#61
4-Chlorophenyl-phenylether
Concen: 38.408 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

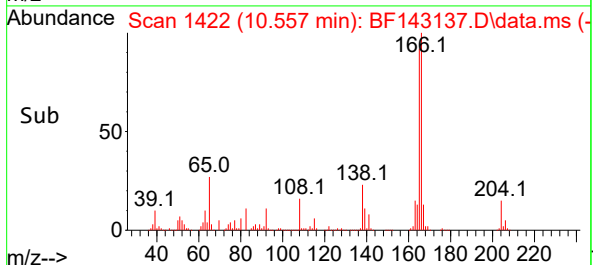
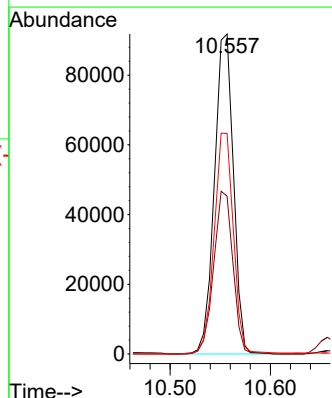
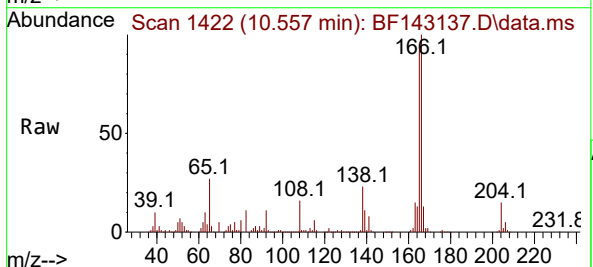
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

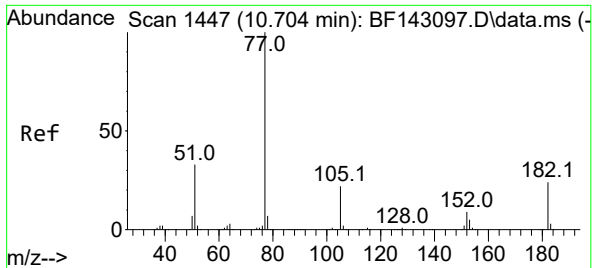
Tgt Ion:204 Resp: 274714
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.6
141 59.5 46.8 70.2



#62
4-Nitroaniline
Concen: 44.086 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:138 Resp: 120811
Ion Ratio Lower Upper
138 100
92 49.3 30.4 70.4
108 68.9 49.5 89.5

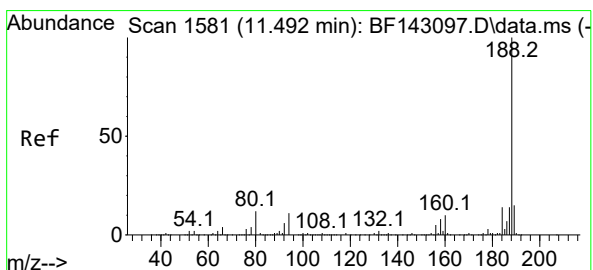
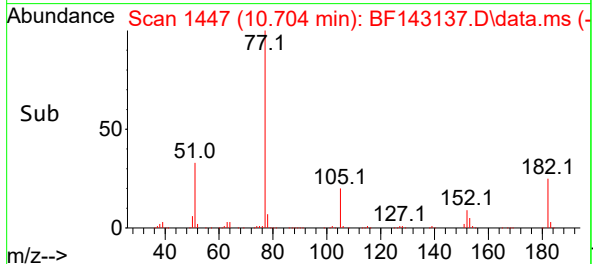
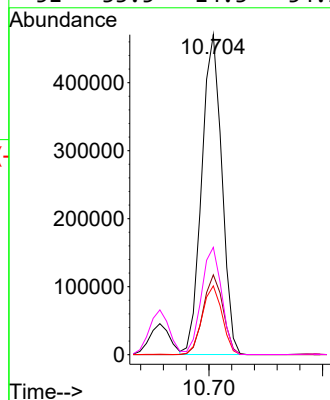
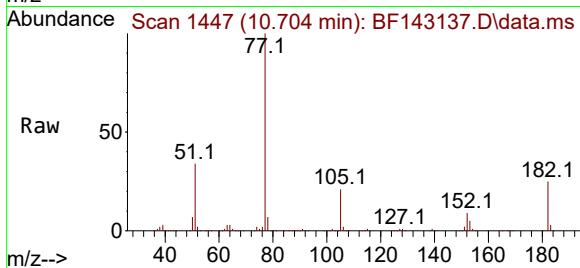




#63
Azobenzene
Concen: 37.072 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

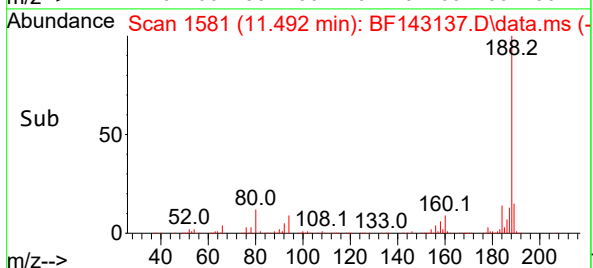
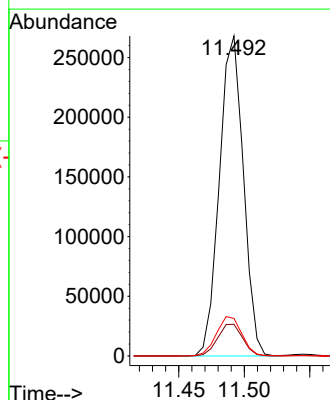
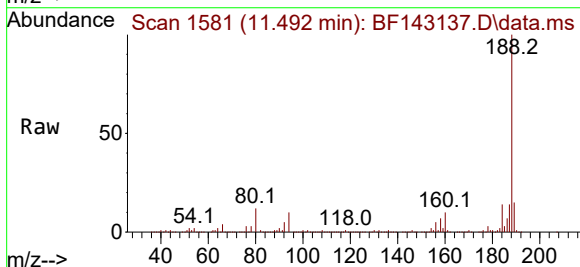
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

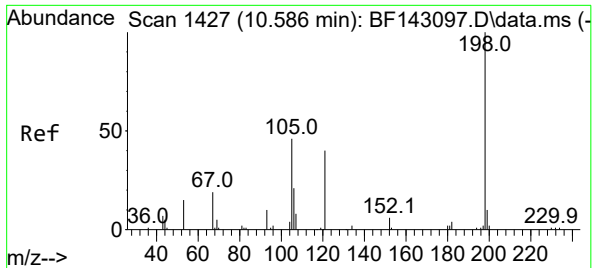
Tgt Ion: 77 Resp: 576851
Ion Ratio Lower Upper
77 100
182 25.0 4.0 44.0
105 21.5 1.4 41.4
51 33.5 14.3 54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 188 Resp: 340985
Ion Ratio Lower Upper
188 100
94 9.9 8.6 13.0
80 11.8 9.3 13.9

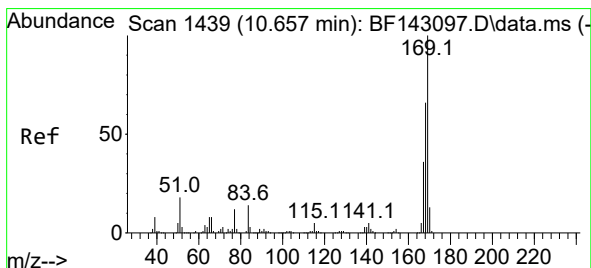
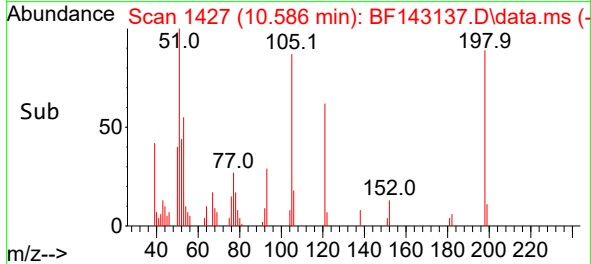
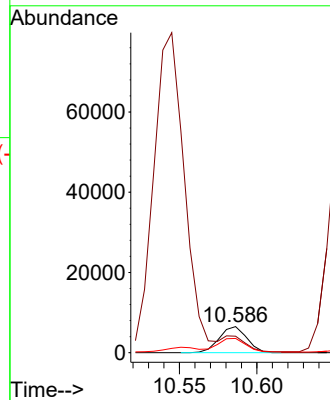
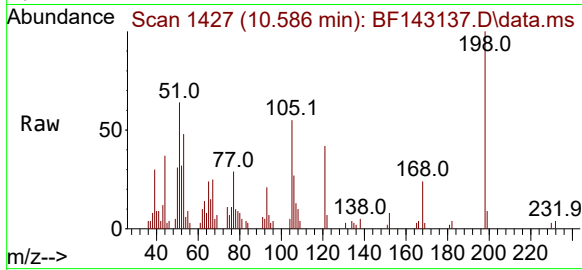




#65
4,6-Dinitro-2-methylphenol
Concen: 11.937 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

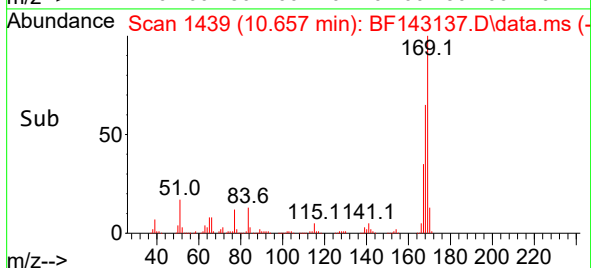
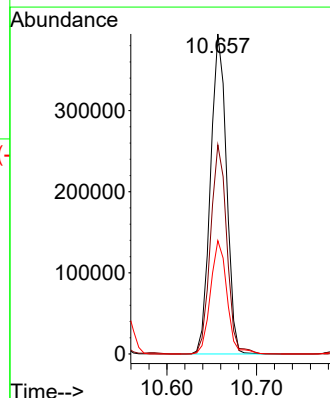
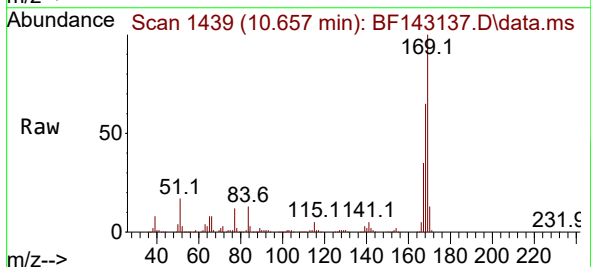
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

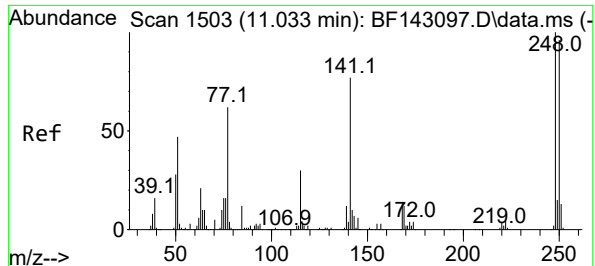
Tgt Ion:198 Resp: 7985
Ion Ratio Lower Upper
198 100
51 63.5 44.6 84.6
105 54.7 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 40.633 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:169 Resp: 486685
Ion Ratio Lower Upper
169 100
168 65.4 53.0 79.6
167 35.4 28.4 42.6

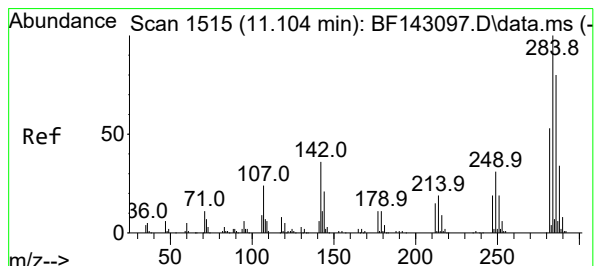
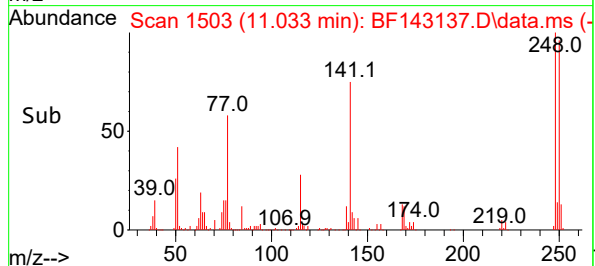
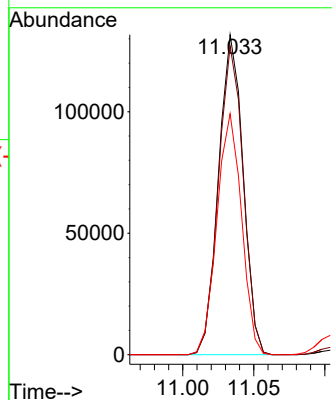
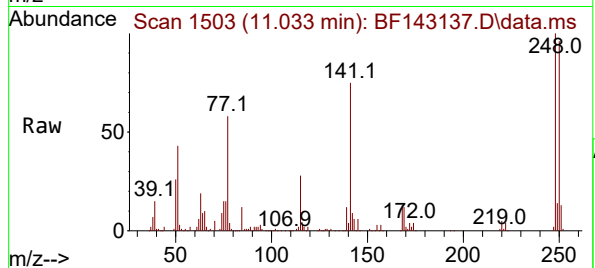




#67
4-Bromophenyl-phenylether
Concen: 40.927 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

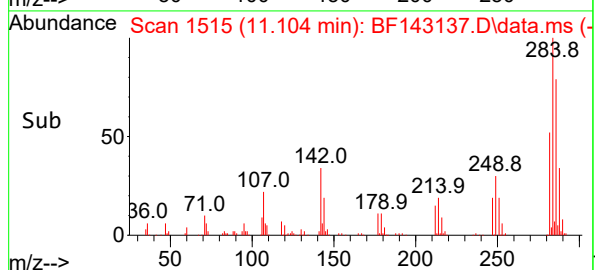
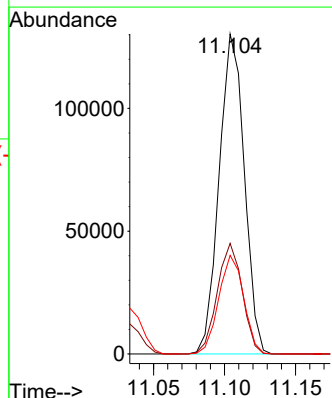
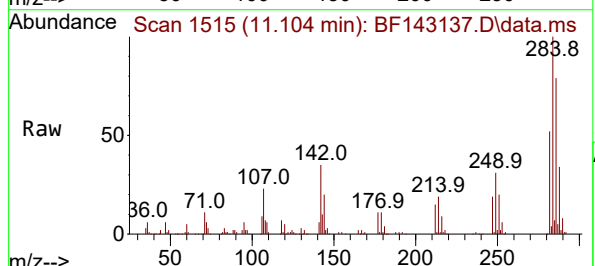
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

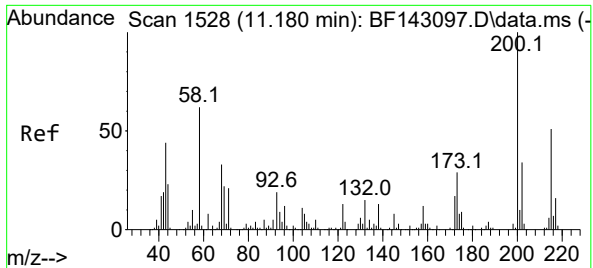
Tgt Ion:248 Resp: 158704
Ion Ratio Lower Upper
248 100
250 96.4 76.7 115.1
141 75.3 61.7 92.5



#68
Hexachlorobenzene
Concen: 39.011 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:284 Resp: 160507
Ion Ratio Lower Upper
284 100
142 34.6 28.9 43.3
249 30.8 24.6 37.0





#69

Atrazine

Concen: 44.205 ng

RT: 11.180 min Scan# 1528

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

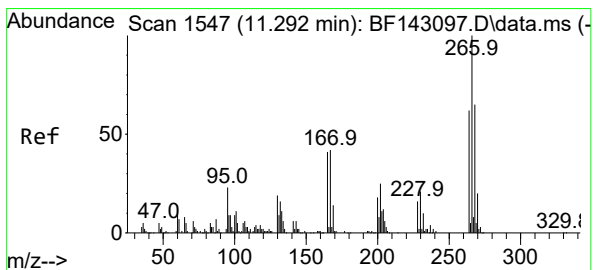
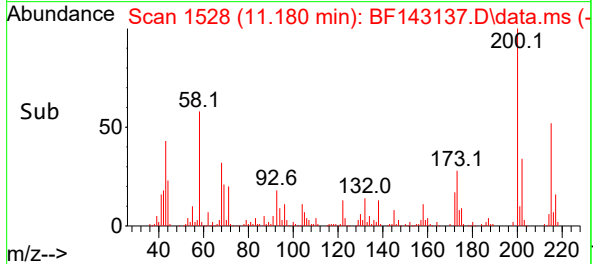
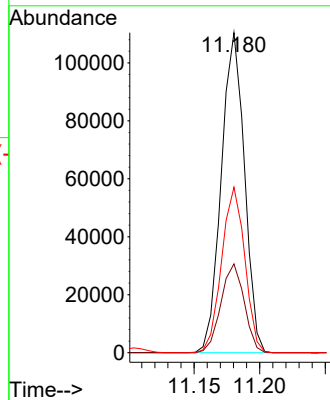
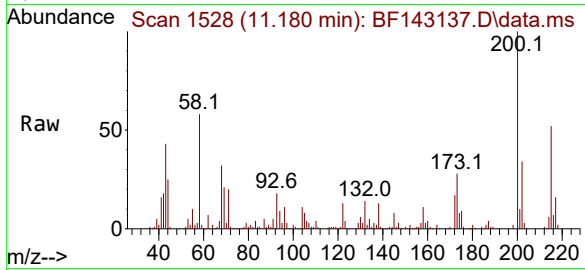
Tgt Ion:200 Resp: 135460

Ion Ratio Lower Upper

200 100

173 27.8 9.1 49.1

215 51.7 31.0 71.0



#70

Pentachlorophenol

Concen: 15.788 ng

RT: 11.292 min Scan# 1547

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

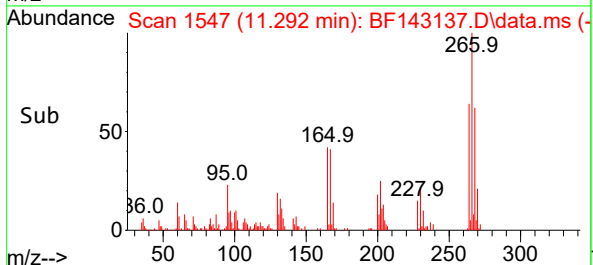
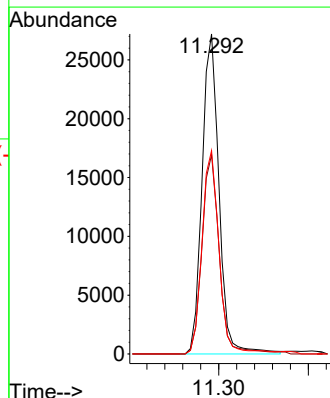
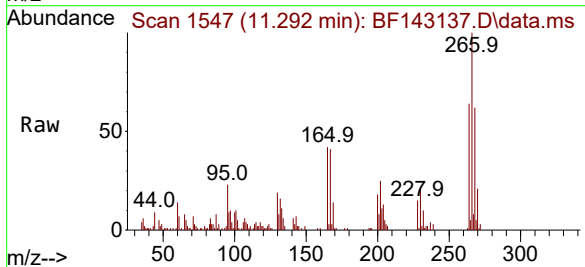
Tgt Ion:266 Resp: 35640

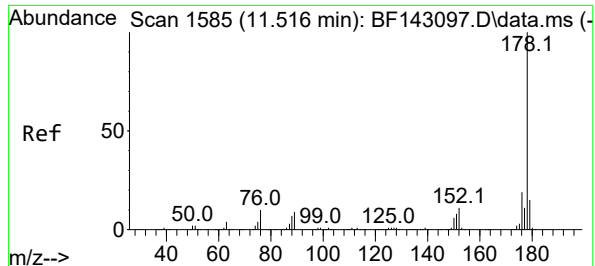
Ion Ratio Lower Upper

266 100

268 62.2 51.8 77.6

264 63.6 49.7 74.5





#71

Phenanthrene

Concen: 38.498 ng

RT: 11.516 min Scan# 1585

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

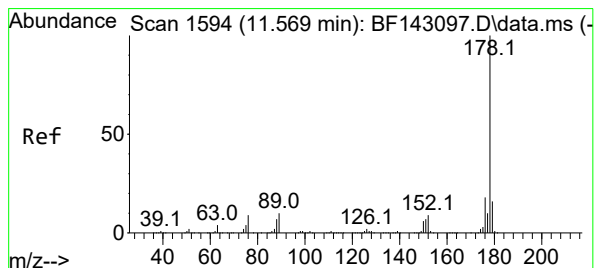
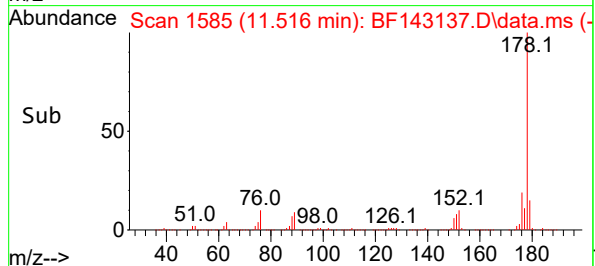
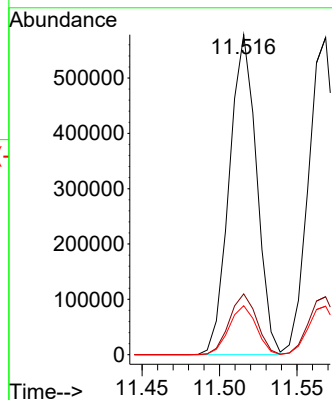
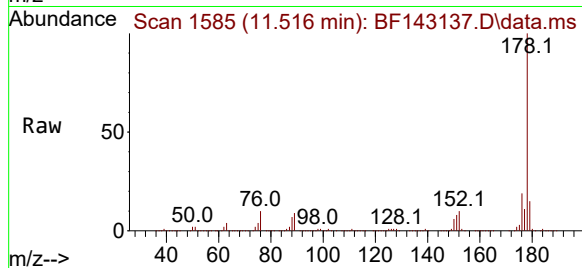
Tgt Ion:178 Resp: 708454

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.3 12.2 18.4



#72

Anthracene

Concen: 39.286 ng

RT: 11.569 min Scan# 1594

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

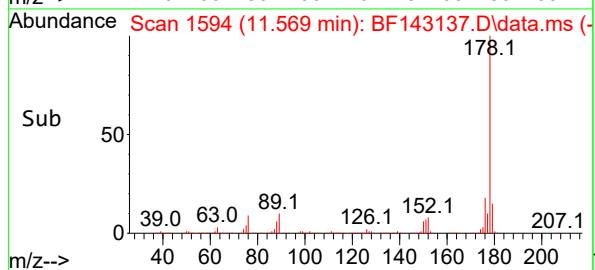
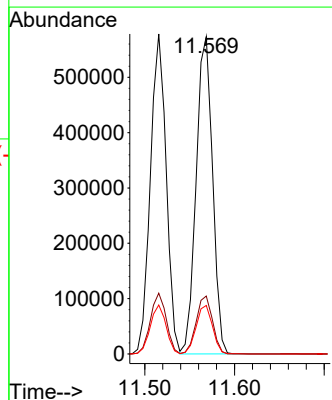
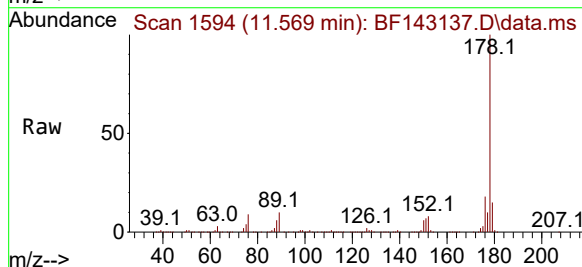
Tgt Ion:178 Resp: 727014

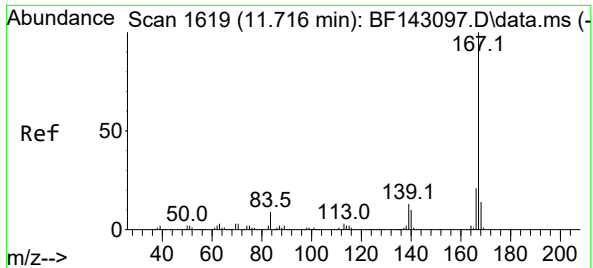
Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 15.3 12.4 18.6

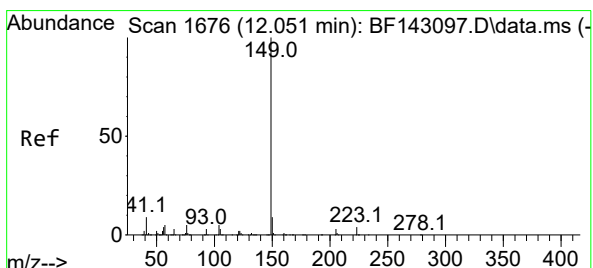
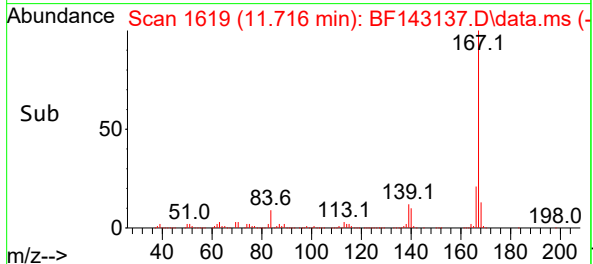
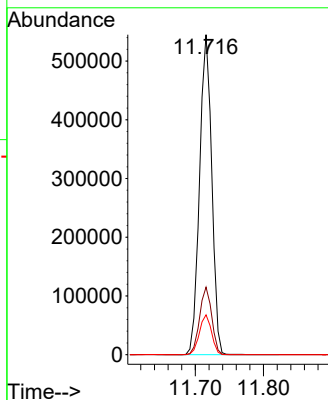
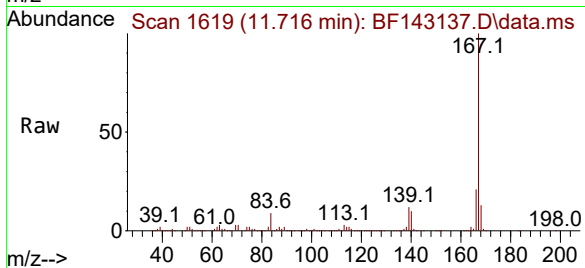




#73
 Carbazole
 Concen: 40.776 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. -0.000 min
 Lab File: BF143137.D
 Acq: 17 Jul 2025 05:30

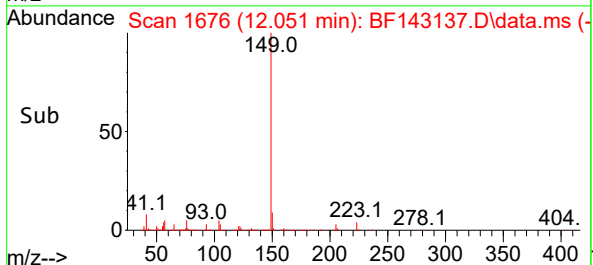
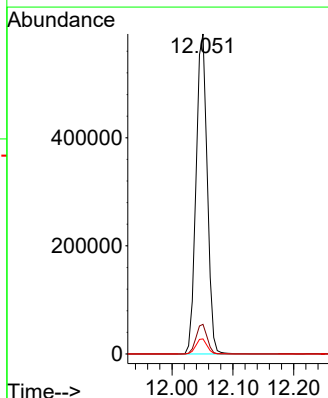
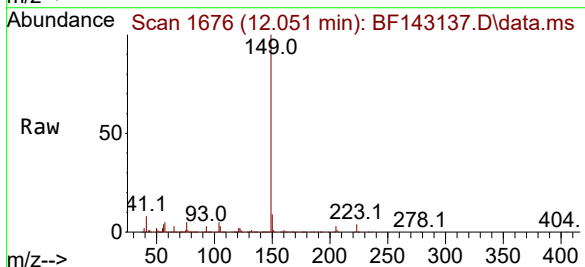
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

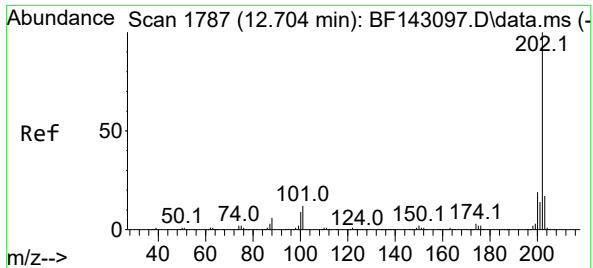
Tgt Ion:167 Resp: 676020
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.4
 139 12.5 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 49.632 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. -0.000 min
 Lab File: BF143137.D
 Acq: 17 Jul 2025 05:30

Tgt Ion:149 Resp: 755302
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 4.7 3.8 5.8

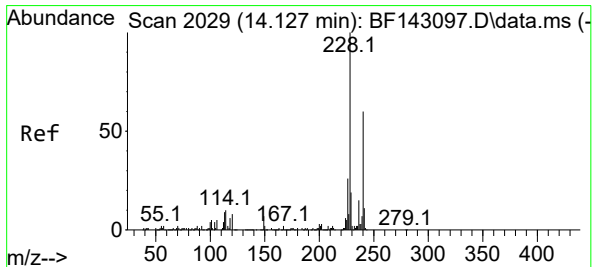
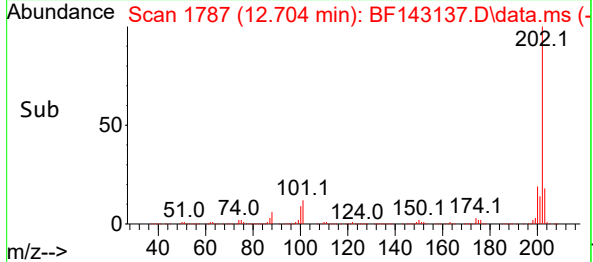
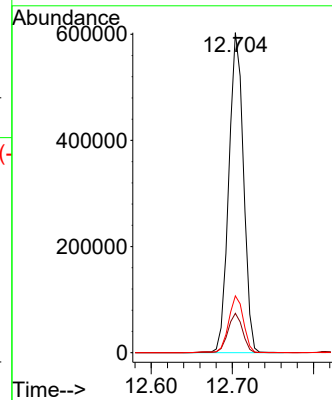
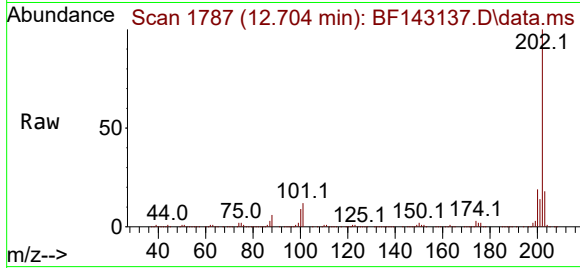




#75
Fluoranthene
Concen: 45.390 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

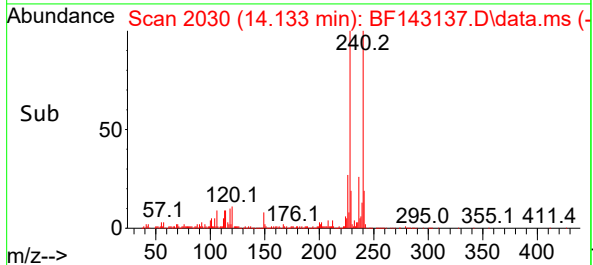
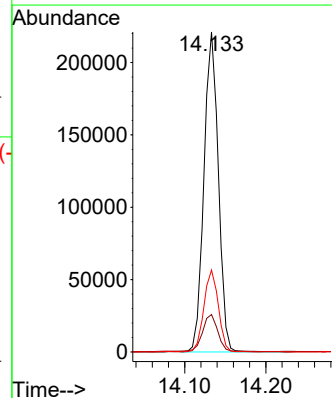
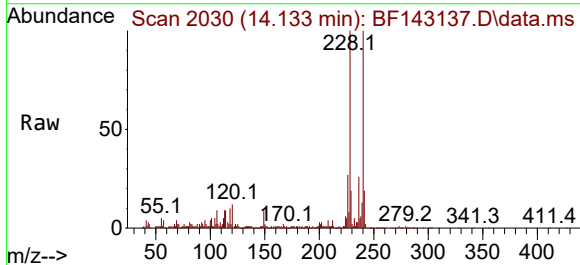
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

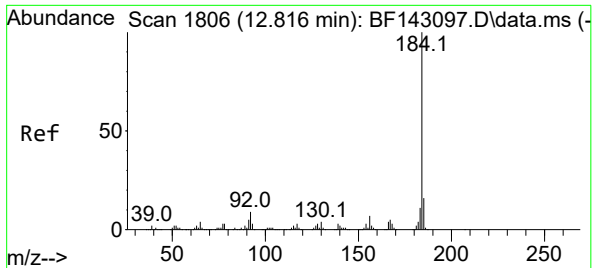
Tgt Ion:202 Resp: 759494
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.4
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:240 Resp: 272684
Ion Ratio Lower Upper
240 100
120 11.7 10.0 15.0
236 25.6 20.0 30.0





#77

Benzidine

Concen: 45.027 ng

RT: 12.816 min Scan# 1806

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

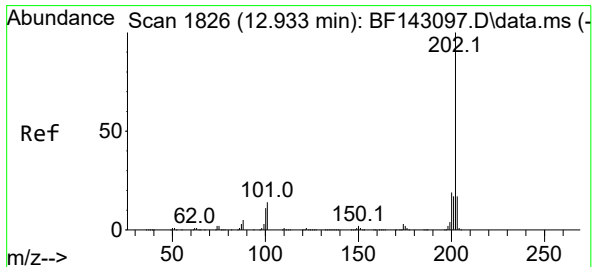
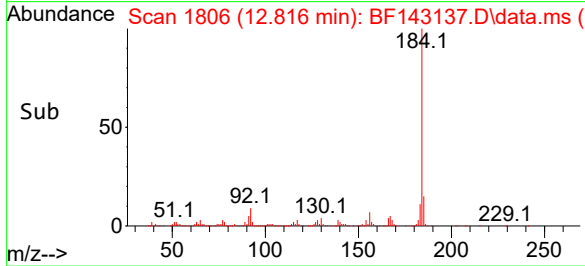
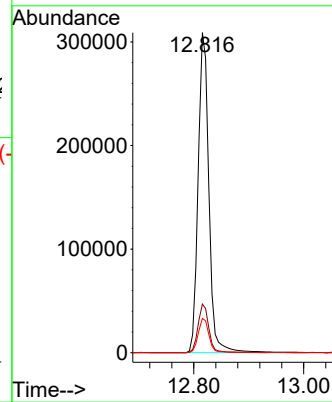
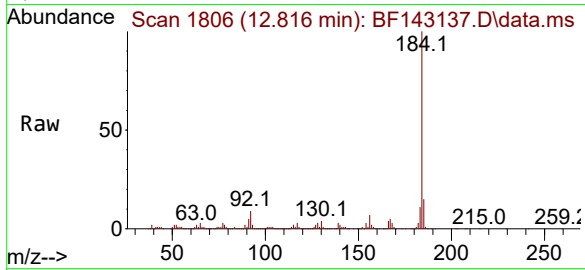
Tgt Ion:184 Resp: 418307

Ion Ratio Lower Upper

184 100

185 15.2 12.4 18.6

183 10.7 8.6 12.8



#78

Pyrene

Concen: 30.583 ng

RT: 12.933 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

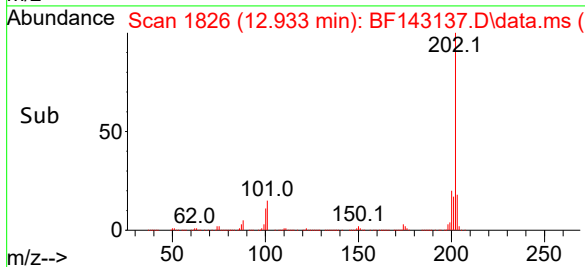
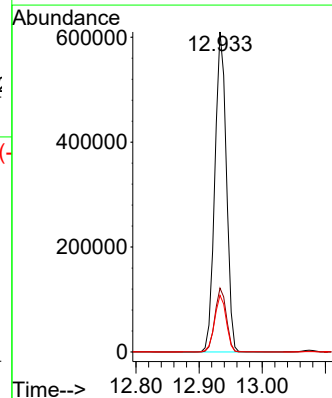
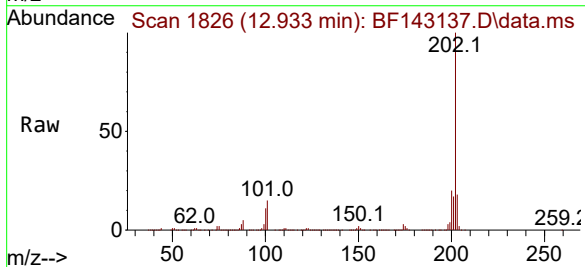
Tgt Ion:202 Resp: 773774

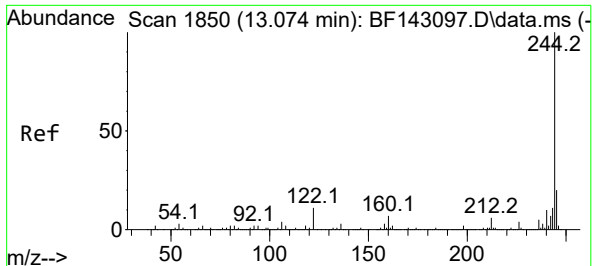
Ion Ratio Lower Upper

202 100

200 20.0 15.5 23.3

203 17.7 14.0 21.0





#79

Terphenyl-d14

Concen: 63.807 ng

RT: 13.074 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

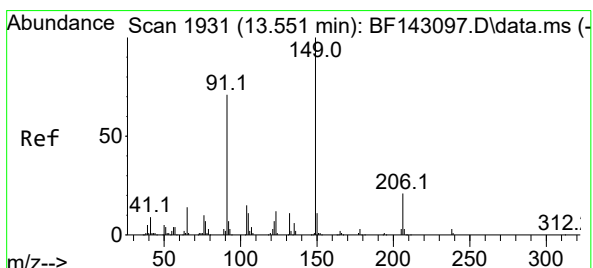
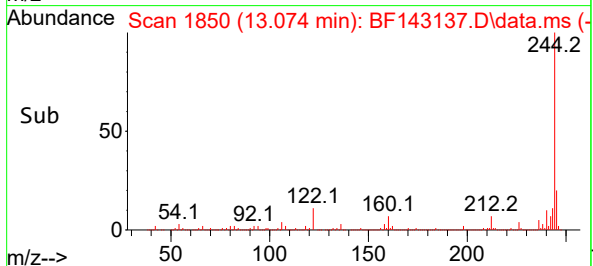
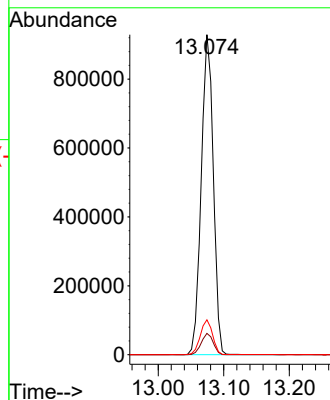
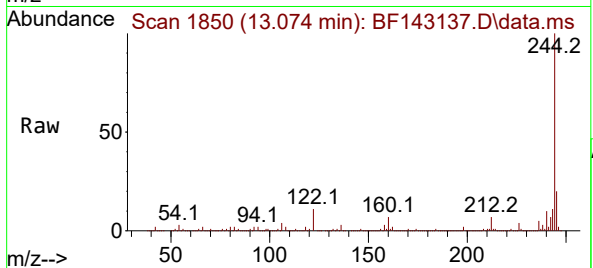
Tgt Ion:244 Resp: 1190245

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.9 8.8 13.2



#80

Butylbenzylphthalate

Concen: 53.627 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

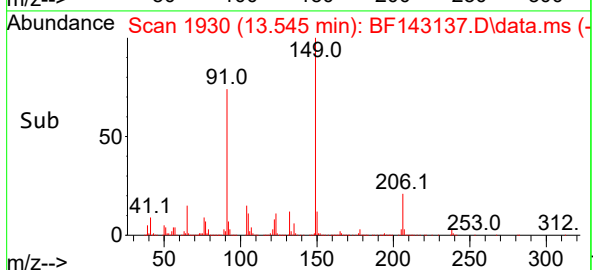
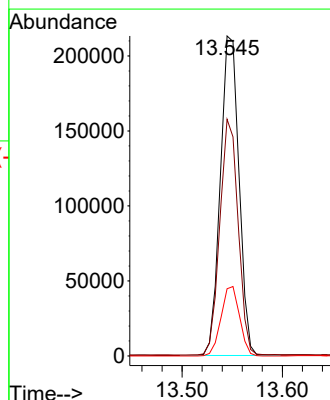
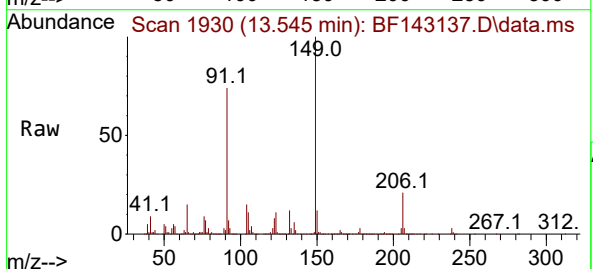
Tgt Ion:149 Resp: 274779

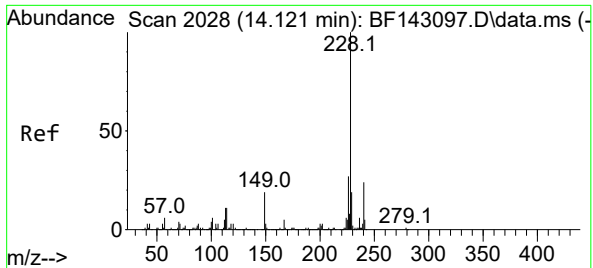
Ion Ratio Lower Upper

149 100

91 74.0 57.0 85.4

206 21.0 17.2 25.8

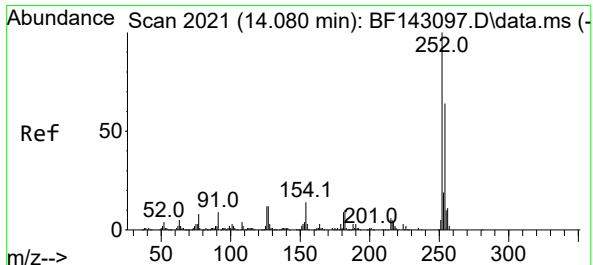
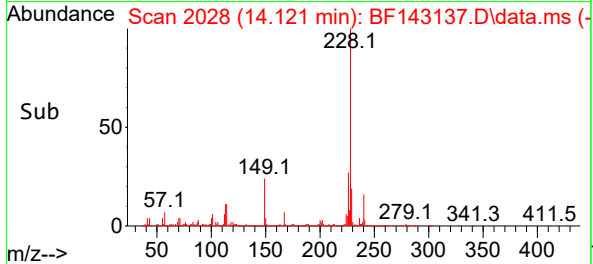
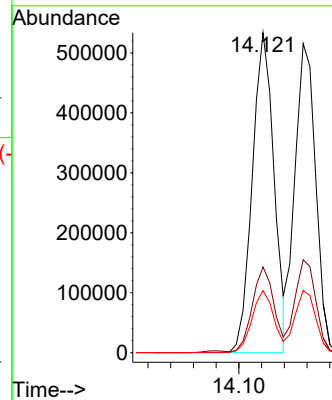
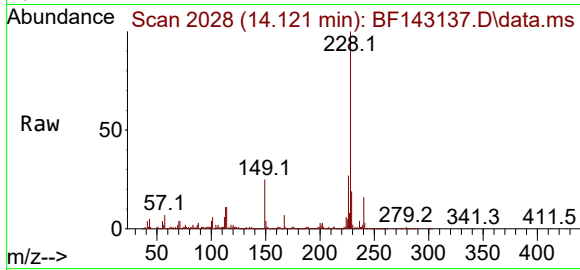




#81
Benzo(a)anthracene
Concen: 39.075 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

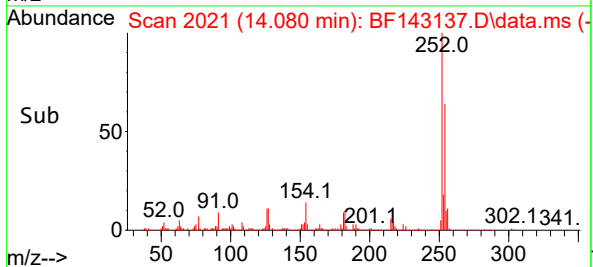
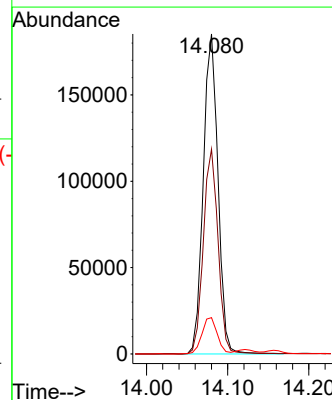
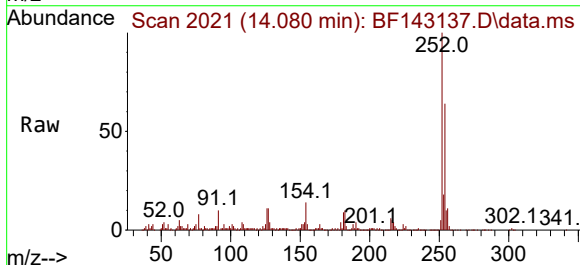
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

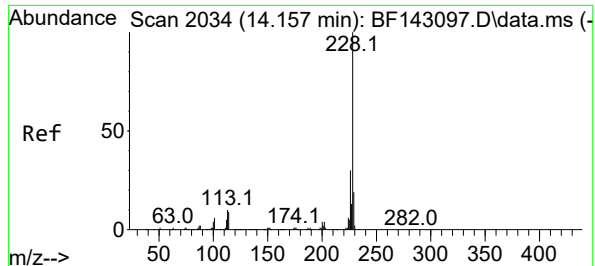
Tgt Ion:228 Resp: 710019
Ion Ratio Lower Upper
228 100
226 26.8 21.3 31.9
229 19.4 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 44.295 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:252 Resp: 233732
Ion Ratio Lower Upper
252 100
254 64.0 51.5 77.3
126 11.4 9.4 14.0





#83

Chrysene

Concen: 39.066 ng

RT: 14.157 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

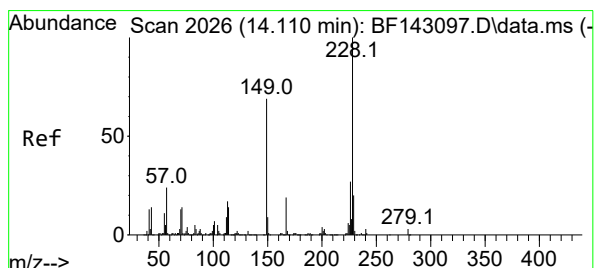
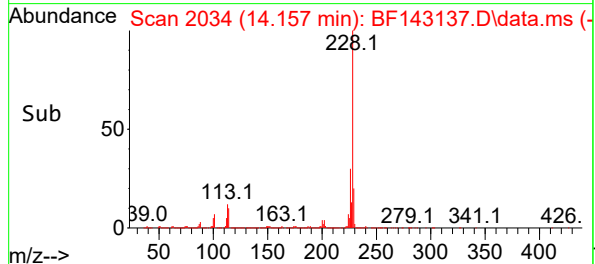
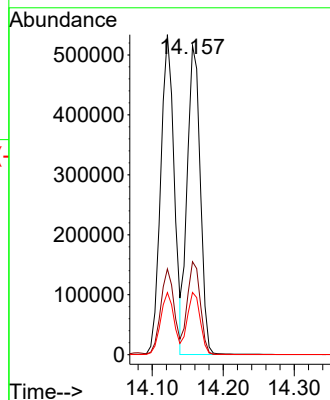
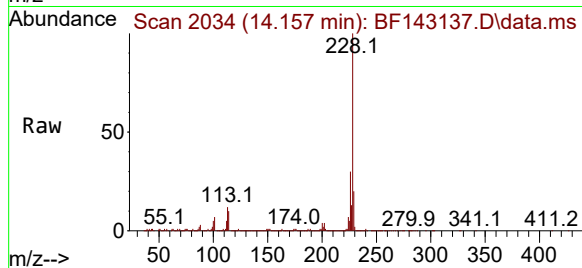
Tgt Ion:228 Resp: 653783

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

229 20.1 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.915 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

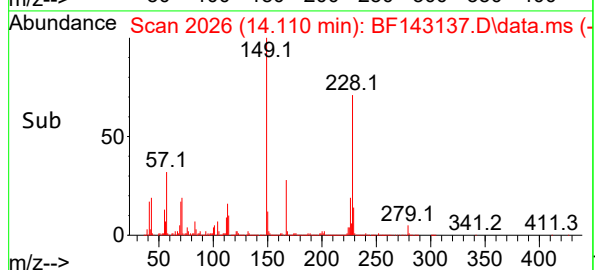
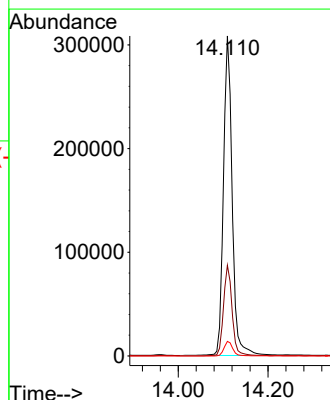
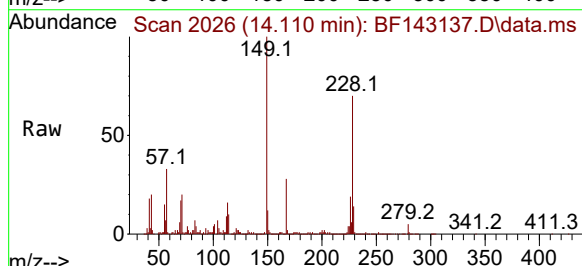
Tgt Ion:149 Resp: 416791

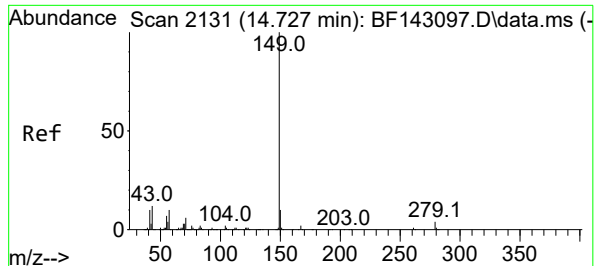
Ion Ratio Lower Upper

149 100

167 28.3 21.9 32.9

279 4.5 3.4 5.0

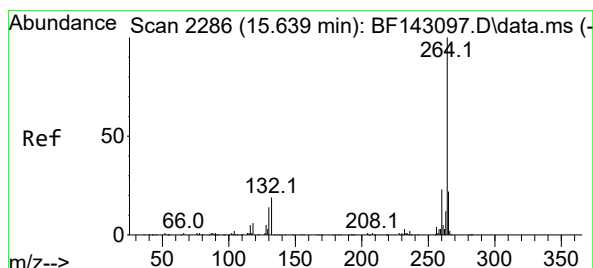
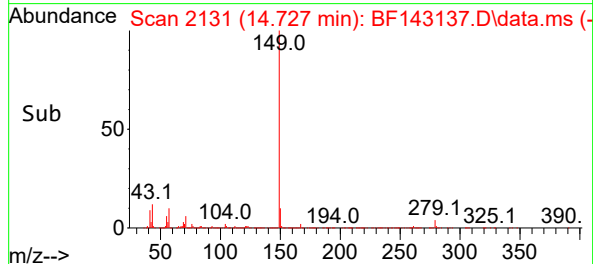
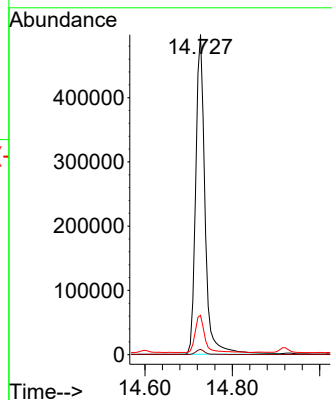
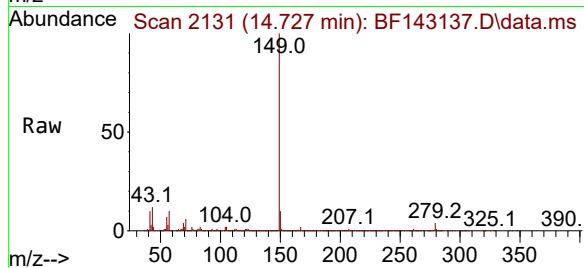




#85
Di-n-octyl phthalate
Concen: 50.428 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

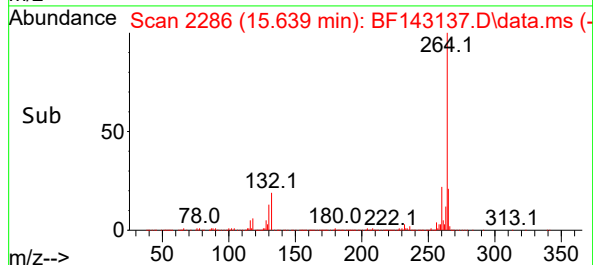
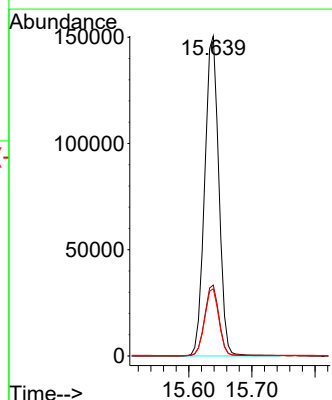
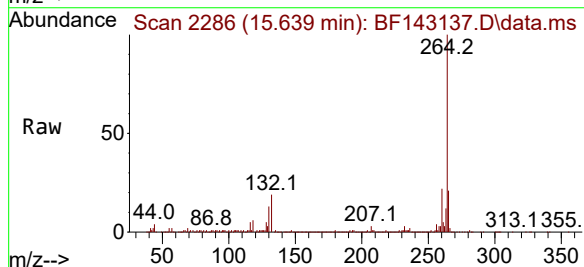
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

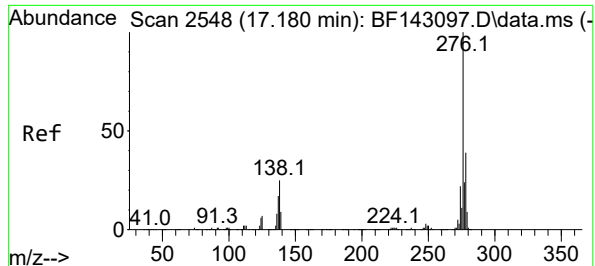
Tgt Ion:149 Resp: 737125
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 12.1 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:264 Resp: 233437
Ion Ratio Lower Upper
264 100
260 22.2 18.5 27.7
265 21.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 30.287 ng

RT: 17.180 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

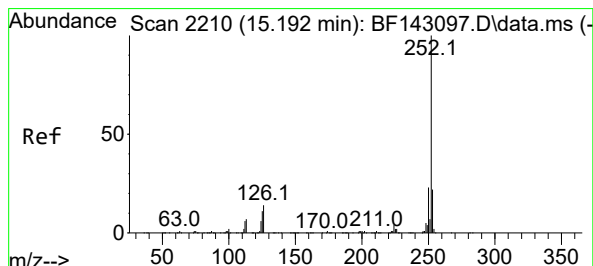
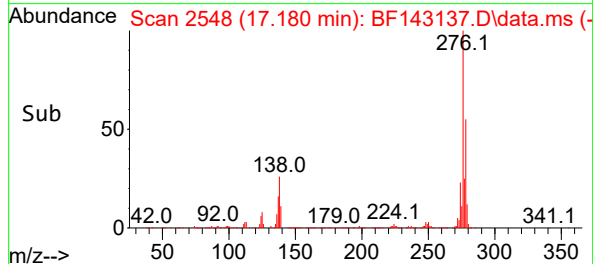
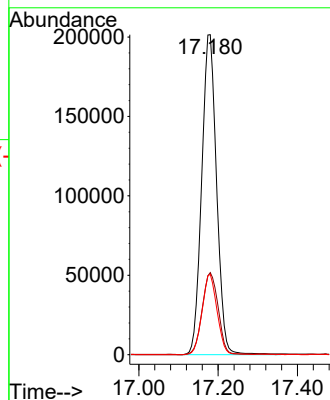
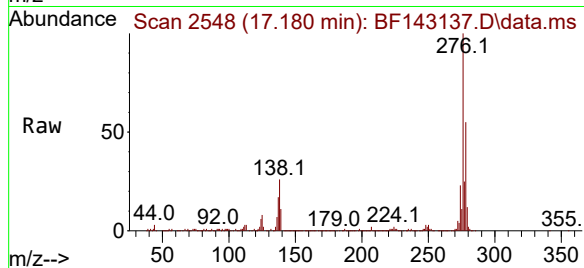
Tgt Ion:276 Resp: 525857

Ion Ratio Lower Upper

276 100

138 27.6 22.6 34.0

277 25.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 46.952 ng

RT: 15.192 min Scan# 2210

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

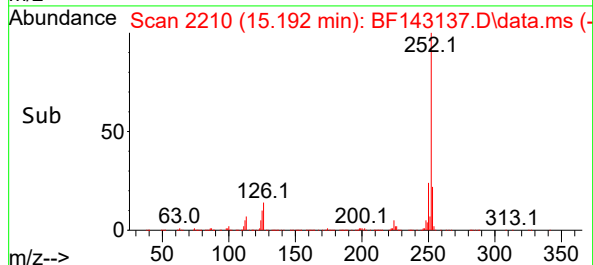
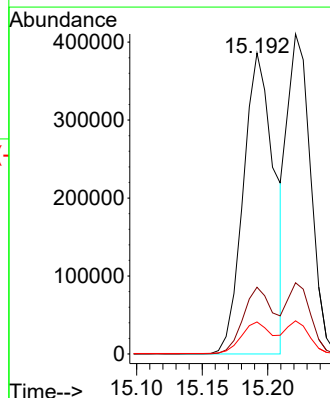
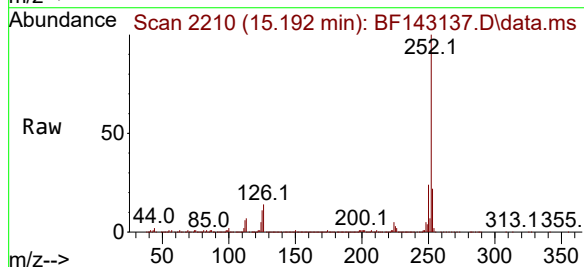
Tgt Ion:252 Resp: 632221

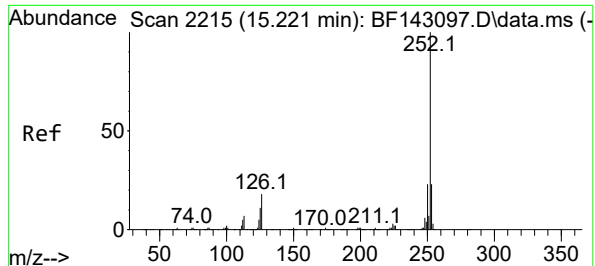
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.6 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 39.970 ng

RT: 15.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

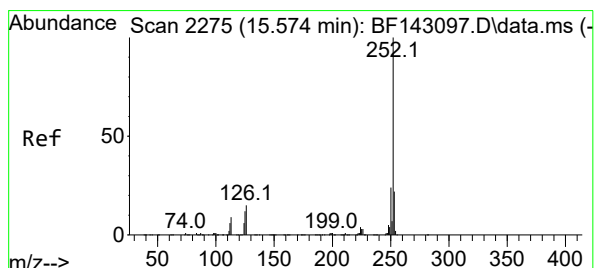
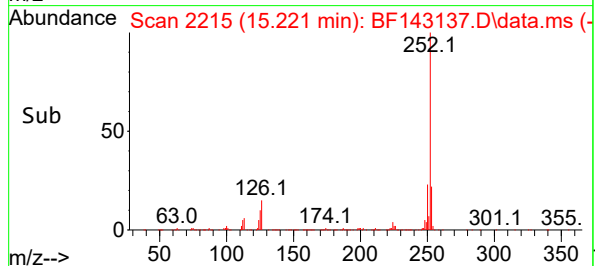
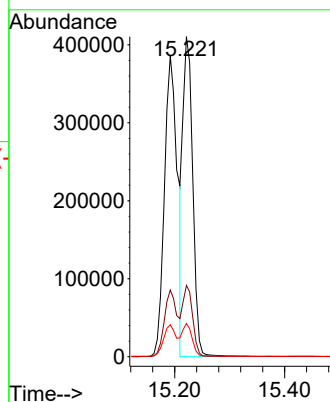
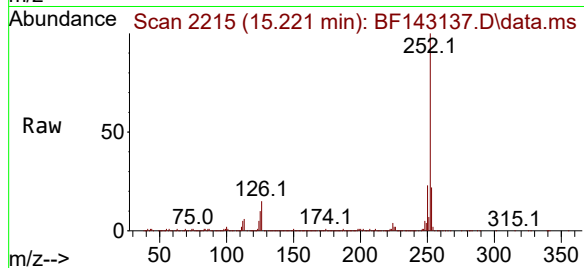
Tgt Ion:252 Resp: 513447

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 10.3 8.5 12.7



#90

Benzo(a)pyrene

Concen: 41.196 ng

RT: 15.574 min Scan# 2275

Delta R.T. -0.000 min

Lab File: BF143137.D

Acq: 17 Jul 2025 05:30

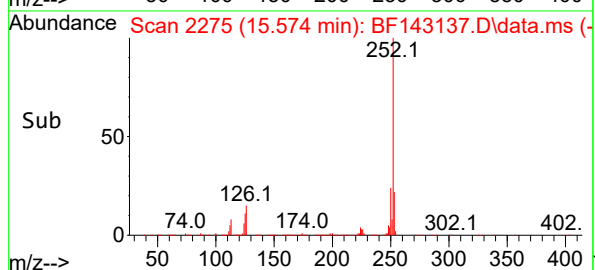
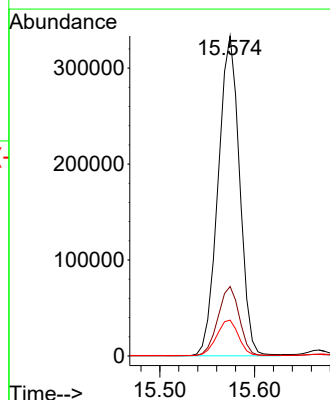
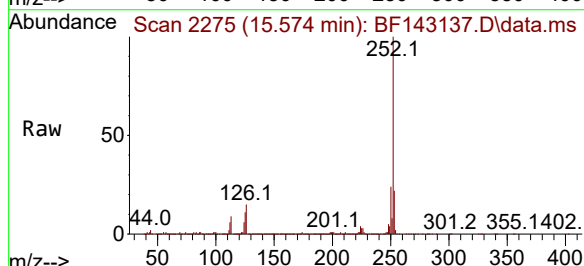
Tgt Ion:252 Resp: 524630

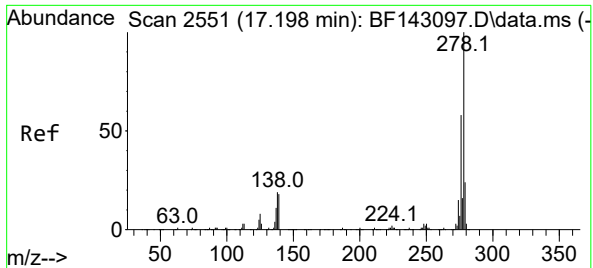
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 11.2 9.4 14.0

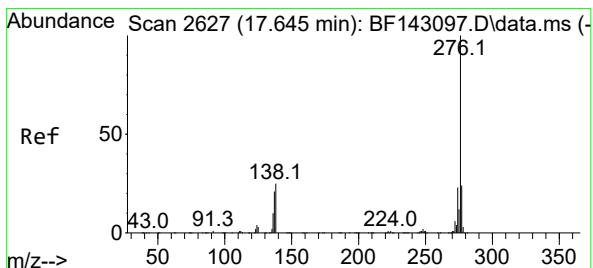
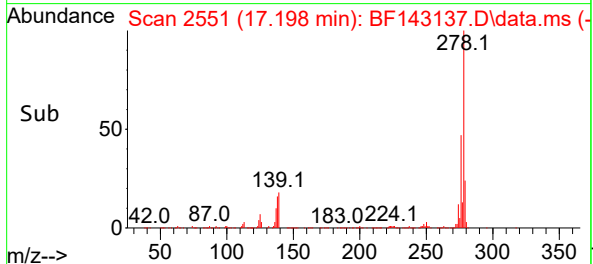
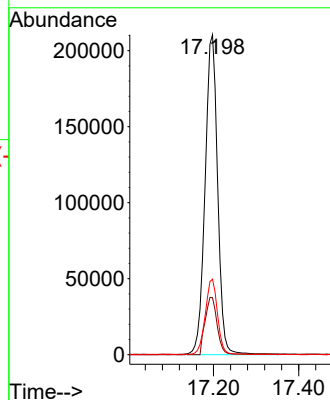
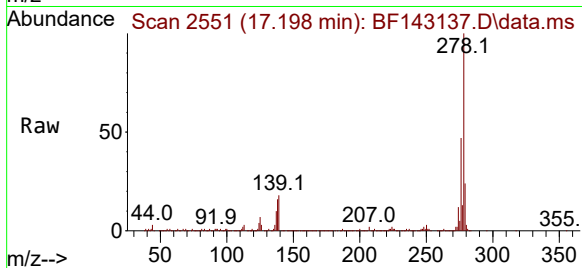




#91
Dibenzo(a,h)anthracene
Concen: 30.386 ng
RT: 17.198 min Scan# 2551
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

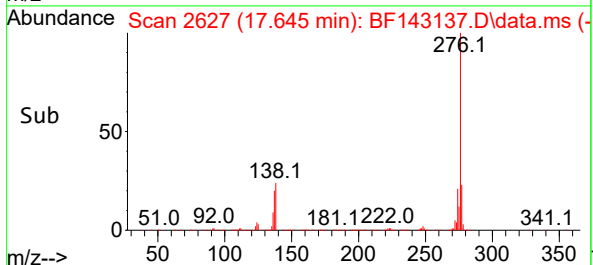
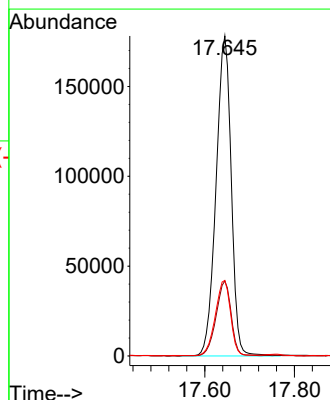
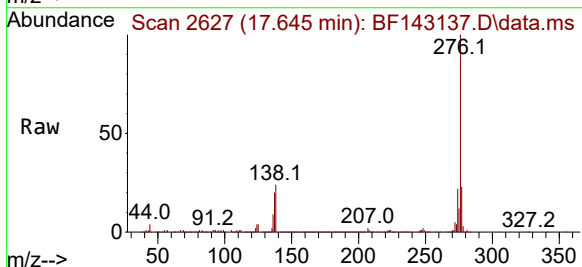
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 431272
Ion Ratio Lower Upper
278 100
139 17.8 14.6 22.0
279 23.6 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 28.963 ng
RT: 17.645 min Scan# 2627
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:276 Resp: 419104
Ion Ratio Lower Upper
276 100
277 23.4 19.2 28.8
138 23.6 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143137.D
 Acq On : 17 Jul 2025 05:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 17 05:56:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 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	117	0.00
2	1,4-Dioxane	0.630	0.603	4.3	112	0.00
3	Pyridine	1.596	1.563	2.1	115	0.00
4	n-Nitrosodimethylamine	0.827	0.814	1.6	116	0.00
5 S	2-Fluorophenol	1.266	1.239	2.1	115	0.00
6	Aniline	2.241	2.100	6.3	111	0.00
7 S	Phenol-d6	1.591	1.544	3.0	115	0.00
8	2-Chlorophenol	1.272	1.280	-0.6	118	0.00
9	Benzaldehyde	1.212	1.264	-4.3	102	0.00
10 C	Phenol	1.723	1.783	-3.5	122	0.00
11	bis(2-Chloroethyl)ether	1.334	1.296	2.8	116	0.00
12	1,3-Dichlorobenzene	1.437	1.404	2.3	116	0.00
13 C	1,4-Dichlorobenzene	1.446	1.409	2.6	117	0.00
14	1,2-Dichlorobenzene	1.379	1.331	3.5	114	0.00
15	Benzyl Alcohol	1.179	1.196	-1.4	120	0.00
16	2,2'-oxybis(1-Chloropropane	2.458	2.380	3.2	116	0.00
17	2-Methylphenol	1.098	1.061	3.4	114	0.00
18	Hexachloroethane	0.471	0.473	-0.4	117	0.00
19 P	n-Nitroso-di-n-propylamine	0.975	0.951	2.5	115	0.00
20	3+4-Methylphenols	1.346	1.326	1.5	114	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	110	0.00
22	Acetophenone	0.482	0.480	0.4	113	0.00
23 S	Nitrobenzene-d5	0.357	0.412	-15.4	122	0.00
24	Nitrobenzene	0.344	0.387	-12.5	120	0.00
25	Isophorone	0.689	0.704	-2.2	115	0.00
26 C	2-Nitrophenol	0.114	0.144	-26.3#	132	0.00
27	2,4-Dimethylphenol	0.320	0.329	-2.8	114	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.431	-3.1	116	0.00
29 C	2,4-Dichlorophenol	0.262	0.255	2.7	106	0.00
30	1,2,4-Trichlorobenzene	0.297	0.297	0.0	111	0.00
31	Naphthalene	0.993	0.969	2.4	111	0.00
32	Benzoic acid	0.139	0.034	75.5#	26#	0.00
33	4-Chloroaniline	0.399	0.379	5.0	105	0.00
34 C	Hexachlorobutadiene	0.178	0.184	-3.4	114	0.00
35	Caprolactam	0.082	0.076	7.3	101	0.00
36 C	4-Chloro-3-methylphenol	0.291	0.277	4.8	104	0.00
37	2-Methylnaphthalene	0.592	0.562	5.1	107	0.00
38	1-Methylnaphthalene	0.615	0.579	5.9	106	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	0.583	0.608	-4.3	107	0.00
41 P	Hexachlorocyclopentadiene	0.323	0.187	42.1#	59	0.00
42 S	2,4,6-Tribromophenol	0.178	0.163	8.4	88	0.00
43 C	2,4,6-Trichlorophenol	0.362	0.332	8.3	90	0.00
44	2,4,5-Trichlorophenol	0.380	0.369	2.9	96	0.00
45 S	2-Fluorobiphenyl	1.505	1.520	-1.0	106	0.00
46	1,1'-Biphenyl	1.595	1.620	-1.6	105	0.00
47	2-Chloronaphthalene	1.172	1.158	1.2	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143137.D
 Acq On : 17 Jul 2025 05:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 17 05:56:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 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	0.303	0.388	-28.1#	121	0.00
49	Acenaphthylene	1.952	1.904	2.5	99	0.00
50	Dimethylphthalate	1.258	1.343	-6.8	109	0.00
51	2,6-Dinitrotoluene	0.219	0.271	-23.7	118	0.00
52 C	Acenaphthene	1.152	1.066	7.5	96	0.00
53	3-Nitroaniline	0.272	0.308	-13.2	109	0.00
54 P	2,4-Dinitrophenol	0.073	0.006#	91.8#	9#	0.00
55	Dibenzofuran	1.717	1.610	6.2	97	0.00
56 P	4-Nitrophenol	0.216	0.204	5.6	93	0.00
57	2,4-Dinitrotoluene	0.265	0.309	-16.6	107	0.00
58	Fluorene	1.288	1.177	8.6	96	0.00
59	2,3,4,6-Tetrachlorophenol	0.302	0.217	28.1#	71	0.00
60	Diethylphthalate	1.214	1.253	-3.2	104	0.00
61	4-Chlorophenyl-phenylether	0.617	0.593	3.9	98	0.00
62	4-Nitroaniline	0.236	0.261	-10.6	107	0.00
63	Azobenzene	1.343	1.244	7.4	95	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00
65	4,6-Dinitro-2-methylphenol	0.067	0.012	82.1#	17#	0.00
66 c	n-Nitrosodiphenylamine	0.703	0.714	-1.6	97	0.00
67	4-Bromophenyl-phenylether	0.227	0.233	-2.6	97	0.00
68	Hexachlorobenzene	0.241	0.235	2.5	92	0.00
69	Atrazine	0.180	0.199	-10.6	102	0.00
70 C	Pentachlorophenol	0.132	0.052	60.6#	37#	0.00
71	Phenanthrene	1.079	1.039	3.7	92	0.00
72	Anthracene	1.085	1.066	1.8	93	0.00
73	Carbazole	0.972	0.991	-2.0	98	0.00
74	Di-n-butylphthalate	0.893	1.108	-24.1	111	0.00
75 C	Fluoranthene	0.981	1.114	-13.6	107	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	142	0.00
77	Benzydine	0.681	0.767	-12.6	130	0.00
78	Pyrene	1.856	1.419	23.5	109	0.00
79 S	Terphenyl-d14	1.368	1.091	20.2	115	0.00
80	Butylbenzylphthalate	0.318	0.504	-58.5#	208#	0.00
81	Benzo(a)anthracene	1.333	1.302	2.3	137	0.00
82	3,3'-Dichlorobenzidine	0.387	0.429	-10.9	158#	0.00
83	Chrysene	1.227	1.199	2.3	142	0.00
84	Bis(2-ethylhexyl)phthalate	0.480	0.764	-59.2#	210#	0.00
85 c	Di-n-octyl phthalate	0.927	1.352	-45.8#	208#	0.00
86 I	Perylene-d12	1.000	1.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	1.488	1.126	24.3	76	0.00
88	Benzo(b)fluoranthene	1.154	1.354	-17.3	129	0.00
89	Benzo(k)fluoranthene	1.101	1.100	0.1	99	0.00
90 C	Benzo(a)pyrene	1.091	1.124	-3.0	103	0.00
91	Dibenzo(a,h)anthracene	1.216	0.924	24.0	77	0.00
92	Benzo(g,h,i)perylene	1.240	0.898	27.6#	74	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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)
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(#) = Out of Range

SPCC's out = 1 CCC's out = 3

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143137.D
 Acq On : 17 Jul 2025 05:30
 Operator : RC/JU
 Sample : SSTDCCC040
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Quant Time: Jul 17 05:56:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 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	117	0.00
2	1,4-Dioxane	40.000	38.254	4.4	112	0.00
3	Pyridine	40.000	39.175	2.1	115	0.00
4	n-Nitrosodimethylamine	40.000	39.361	1.6	116	0.00
5 S	2-Fluorophenol	80.000	78.280	2.1	115	0.00
6	Aniline	40.000	37.494	6.3	111	0.00
7 S	Phenol-d6	80.000	77.624	3.0	115	0.00
8	2-Chlorophenol	40.000	40.249	-0.6	118	0.00
9	Benzaldehyde	40.000	41.704	-4.3	102	0.00
10 C	Phenol	40.000	41.398	-3.5	122	0.00
11	bis(2-Chloroethyl)ether	40.000	38.869	2.8	116	0.00
12	1,3-Dichlorobenzene	40.000	39.077	2.3	116	0.00
13 C	1,4-Dichlorobenzene	40.000	38.995	2.5	117	0.00
14	1,2-Dichlorobenzene	40.000	38.613	3.5	114	0.00
15	Benzyl Alcohol	40.000	40.583	-1.5	120	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.723	3.2	116	0.00
17	2-Methylphenol	40.000	38.650	3.4	114	0.00
18	Hexachloroethane	40.000	40.240	-0.6	117	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.003	2.5	115	0.00
20	3+4-Methylphenols	40.000	39.415	1.5	114	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	110	0.00
22	Acetophenone	40.000	39.785	0.5	113	0.00
23 S	Nitrobenzene-d5	80.000	92.552	-15.7	122	0.00
24	Nitrobenzene	40.000	44.942	-12.4	120	0.00
25	Isophorone	40.000	40.892	-2.2	115	0.00
26 C	2-Nitrophenol	40.000	42.372	-5.9	132	0.00
27	2,4-Dimethylphenol	40.000	41.206	-3.0	114	0.00
28	bis(2-Chloroethoxy)methane	40.000	41.266	-3.2	116	0.00
29 C	2,4-Dichlorophenol	40.000	39.049	2.4	106	0.00
30	1,2,4-Trichlorobenzene	40.000	40.052	-0.1	111	0.00
31	Naphthalene	40.000	39.022	2.4	111	0.00
32	Benzoic acid	40.000	13.853	65.4#	26	0.00
33	4-Chloroaniline	40.000	37.914	5.2	105	0.00
34 C	Hexachlorobutadiene	40.000	41.361	-3.4	114	0.00
35	Caprolactam	40.000	37.085	7.3	101	0.00
36 C	4-Chloro-3-methylphenol	40.000	37.997	5.0	104	0.00
37	2-Methylnaphthalene	40.000	37.939	5.2	107	0.00
38	1-Methylnaphthalene	40.000	37.710	5.7	106	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.698	-4.2	107	0.00
41 P	Hexachlorocyclopentadiene	40.000	23.127	42.2#	59	0.00
42 S	2,4,6-Tribromophenol	80.000	73.003	8.7	88	0.00
43 C	2,4,6-Trichlorophenol	40.000	36.620	8.5	90	0.00
44	2,4,5-Trichlorophenol	40.000	38.898	2.8	96	0.00
45 S	2-Fluorobiphenyl	80.000	80.821	-1.0	106	0.00
46	1,1'-Biphenyl	40.000	40.638	-1.6	105	0.00
47	2-Chloronaphthalene	40.000	39.549	1.1	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143137.D
 Acq On : 17 Jul 2025 05:30
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 17 05:56:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	44.648	-11.6	121	0.00
49	Acenaphthylene	40.000	39.008	2.5	99	0.00
50	Dimethylphthalate	40.000	42.709	-6.8	109	0.00
51	2,6-Dinitrotoluene	40.000	43.803	-9.5	118	0.00
52 C	Acenaphthene	40.000	37.016	7.5	96	0.00
53	3-Nitroaniline	40.000	45.308	-13.3	109	0.00
54 P	2,4-Dinitrophenol	40.000	8.444	78.9#	9	0.00
55	Dibenzofuran	40.000	37.488	6.3	97	0.00
56 P	4-Nitrophenol	40.000	37.764	5.6	93	0.00
57	2,4-Dinitrotoluene	40.000	40.390	-1.0	107	0.00
58	Fluorene	40.000	36.553	8.6	96	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	28.775	28.1#	71	0.00
60	Diethylphthalate	40.000	41.278	-3.2	104	0.00
61	4-Chlorophenyl-phenylether	40.000	38.408	4.0	98	0.00
62	4-Nitroaniline	40.000	44.086	-10.2	107	0.00
63	Azobenzene	40.000	37.072	7.3	95	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	92	0.00
65	4,6-Dinitro-2-methylphenol	40.000	11.937	70.2#	17	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.633	-1.6	97	0.00
67	4-Bromophenyl-phenylether	40.000	40.927	-2.3	97	0.00
68	Hexachlorobenzene	40.000	39.011	2.5	92	0.00
69	Atrazine	40.000	44.205	-10.5	102	0.00
70 C	Pentachlorophenol	40.000	15.788	60.5#	37	0.00
71	Phenanthrene	40.000	38.498	3.8	92	0.00
72	Anthracene	40.000	39.286	1.8	93	0.00
73	Carbazole	40.000	40.776	-1.9	98	0.00
74	Di-n-butylphthalate	40.000	49.632	-24.1	111	0.00
75 C	Fluoranthene	40.000	45.390	-13.5	107	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	142	0.00
77	Benzydine	40.000	45.027	-12.6	130	0.00
78	Pyrene	40.000	30.583	23.5	109	0.00
79 S	Terphenyl-d14	80.000	63.807	20.2	115	0.00
80	Butylbenzylphthalate	40.000	53.627	-34.1#	208	0.00
81	Benzo(a)anthracene	40.000	39.075	2.3	137	0.00
82	3,3'-Dichlorobenzidine	40.000	44.295	-10.7	158	0.00
83	Chrysene	40.000	39.066	2.3	142	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	53.915	-34.8#	210	0.00
85 c	Di-n-octyl phthalate	40.000	50.428	-26.1#	208	0.00
86 I	Perylene-d12	20.000	20.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	30.287	24.3	76	0.00
88	Benzo(b)fluoranthene	40.000	46.952	-17.4	129	0.00
89	Benzo(k)fluoranthene	40.000	39.970	0.1	99	0.00
90 C	Benzo(a)pyrene	40.000	41.196	-3.0	103	0.00
91	Dibenzo(a,h)anthracene	40.000	30.386	24.0	77	0.00
92	Benzo(g,h,i)perylene	40.000	28.963	27.6#	74	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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 = 2



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: NOBI03
 Lab Code: ACE SDG No.: Q2558
 Instrument ID: BNA_F Calibration Date/Time: 07/17/2025 19:37
 Lab File ID: BF143157.D Init. Calib. Date(s): 07/17/2025 07/17/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:04 14:34
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.230		-2.7	50.0
Phenol-d6	1.591	1.557		-2.1	50.0
Nitrobenzene-d5	0.401	0.417		4.0	50.0
Naphthalene	0.985	0.957		-2.8	50.0
2-Methylnaphthalene	0.599	0.577		-3.7	50.0
2-Fluorobiphenyl	1.462	1.408		-3.7	50.0
Acenaphthylene	1.935	1.894		-2.1	50.0
Acenaphthene	1.144	1.122		-1.9	50.0
Fluorene	1.274	1.212		-4.9	50.0
2,4,6-Tribromophenol	0.207	0.205		-1.0	50.0
Phenanthrene	1.062	1.037		-2.4	50.0
Anthracene	1.083	1.053		-2.8	50.0
Fluoranthene	0.975	0.973		-0.2	50.0
Pyrene	1.707	1.585		-7.1	50.0
Terphenyl-d14	1.344	1.234		-8.2	50.0
Benzo (a) anthracene	1.339	1.298		-3.1	50.0
Chrysene	1.204	1.226		1.8	50.0
Benzo (b) fluoranthene	1.222	1.166		-4.6	50.0
Benzo (k) fluoranthene	1.090	1.124		3.1	50.0
Benzo (a) pyrene	1.126	1.127		0.1	50.0
Indeno (1,2,3-cd) pyrene	1.410	1.402		-0.6	50.0
Dibenzo (a,h) anthracene	1.148	1.145		-0.3	50.0
Benzo (g,h,i) perylene	1.110	1.109		-0.1	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143157.D
 Acq On : 17 Jul 2025 19:37
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 18 01:04:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	138855	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	536902	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	269673	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	425499	20.000	ng	0.00
76) Chrysene-d12	14.121	240	257557	20.000	ng	0.00
86) Perylene-d12	15.621	264	290483	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	683377	77.881	ng	0.00
7) Phenol-d6	6.581	99	864647	78.288	ng	0.00
23) Nitrobenzene-d5	7.522	82	895287	83.120	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	221500	79.508	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1518879	77.029	ng	0.00
79) Terphenyl-d14	13.069	244	1271733	73.478	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.805	88	166244	40.040	ng	99
3) Pyridine	3.575	79	418492	38.834	ng	99
4) n-Nitrosodimethylamine	3.516	42	221018	39.723	ng	99
6) Aniline	6.622	93	607823	39.488	ng	100
8) 2-Chlorophenol	6.745	128	365543	39.743	ng	99
9) Benzaldehyde	6.510	77	363665	43.912	ng	97
10) Phenol	6.593	94	474356m	39.425	ng	
11) bis(2-Chloroethyl)ether	6.693	93	365030	39.624	ng	100
12) 1,3-Dichlorobenzene	6.904	146	390492	39.082	ng	99
13) 1,4-Dichlorobenzene	6.981	146	392653	39.023	ng	99
14) 1,2-Dichlorobenzene	7.134	146	377188	39.413	ng	99
15) Benzyl Alcohol	7.098	79	334056	39.613	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	678356	39.695	ng	99
17) 2-Methylphenol	7.204	107	303796	39.283	ng	99
18) Hexachloroethane	7.481	117	141080	40.502	ng	98
19) n-Nitroso-di-n-propyla...	7.369	70	273232	38.561	ng	98
20) 3+4-Methylphenols	7.357	107	381861	40.698	ng	95
22) Acetophenone	7.369	105	487279	38.334	ng	# 97
24) Nitrobenzene	7.540	77	399661	39.799	ng	99
25) Isophorone	7.781	82	735124	38.662	ng	99
26) 2-Nitrophenol	7.857	139	187422	43.005	ng	99
27) 2,4-Dimethylphenol	7.887	122	345701	38.914	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	442167	38.785	ng	99
29) 2,4-Dichlorophenol	8.092	162	293442	39.168	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	314604	38.870	ng	100
31) Naphthalene	8.269	128	1028140	38.883	ng	100
32) Benzoic acid	7.981	122	185065	38.171	ng	99
33) 4-Chloroaniline	8.304	127	412017	38.161	ng	99
34) Hexachlorobutadiene	8.387	225	195484	39.537	ng	99
35) Caprolactam	8.669	113	90080	39.790	ng	98
36) 4-Chloro-3-methylphenol	8.781	107	314299	38.598	ng	97
37) 2-Methylnaphthalene	8.957	142	619310	38.490	ng	100
38) 1-Methylnaphthalene	9.057	142	644847	38.919	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	304551	39.116	ng	100
41) Hexachlorocyclopentadiene	9.116	237	206865	40.834	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	209902	38.954	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143157.D
 Acq On : 17 Jul 2025 19:37
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 18 01:04:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	219957	40.808	ng	98
46) 1,1'-Biphenyl	9.422	154	831115	39.502	ng	99
47) 2-Chloronaphthalene	9.445	162	606685	38.970	ng	100
48) 2-Nitroaniline	9.534	65	205784	42.151	ng	99
49) Acenaphthylene	9.863	152	1021363	39.148	ng	100
50) Dimethylphthalate	9.716	163	691652	39.347	ng	100
51) 2,6-Dinitrotoluene	9.775	165	150428	42.067	ng	97
52) Acenaphthene	10.033	154	605034	39.237	ng	98
53) 3-Nitroaniline	9.939	138	167420	40.028	ng	100
54) 2,4-Dinitrophenol	10.039	184	58866	39.960	ng	# 1
55) Dibenzofuran	10.204	168	889222	38.841	ng	99
56) 4-Nitrophenol	10.086	139	125059	40.040	ng	99
57) 2,4-Dinitrotoluene	10.175	165	188181	41.945	ng	97
58) Fluorene	10.545	166	653713	38.045	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	178038	39.875	ng	99
60) Diethylphthalate	10.416	149	679129	39.088	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	333465	38.975	ng	99
62) 4-Nitroaniline	10.551	138	141515	39.478	ng	100
63) Azobenzene	10.698	77	705944	38.986	ng	100
65) 4,6-Dinitro-2-methylph...	10.581	198	87846	40.354	ng	96
66) n-Nitrosodiphenylamine	10.651	169	592682	39.557	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	198111	39.069	ng	99
68) Hexachlorobenzene	11.098	284	209203	39.472	ng	99
69) Atrazine	11.175	200	166380	40.279	ng	99
70) Pentachlorophenol	11.286	266	128754	41.309	ng	98
71) Phenanthrene	11.510	178	882612	39.066	ng	99
72) Anthracene	11.563	178	896290	38.898	ng	100
73) Carbazole	11.710	167	787128	39.121	ng	100
74) Di-n-butylphthalate	12.039	149	922904	40.539	ng	100
75) Fluoranthene	12.698	202	827620	39.910	ng	100
77) Benzidine	12.810	184	378753	38.169	ng	100
78) Pyrene	12.927	202	816607	37.150	ng	100
80) Butylbenzylphthalate	13.539	149	274194	40.736	ng	99
81) Benzo(a)anthracene	14.110	228	668691	38.779	ng	100
82) 3,3'-Dichlorobenzidine	14.069	252	227633	39.609	ng	100
83) Chrysene	14.145	228	631314	40.721	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	422788	41.499	ng	100
85) Di-n-octyl phthalate	14.716	149	729985	39.529	ng	100
87) Indeno(1,2,3-cd)pyrene	17.157	276	814736	39.776	ng	100
88) Benzo(b)fluoranthene	15.180	252	677603	38.184	ng	100
89) Benzo(k)fluoranthene	15.210	252	653171	41.247	ng	100
90) Benzo(a)pyrene	15.557	252	654692	40.042	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	665474	39.916	ng	99
92) Benzo(g,h,i)perylene	17.621	276	644277	39.950	ng	99

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

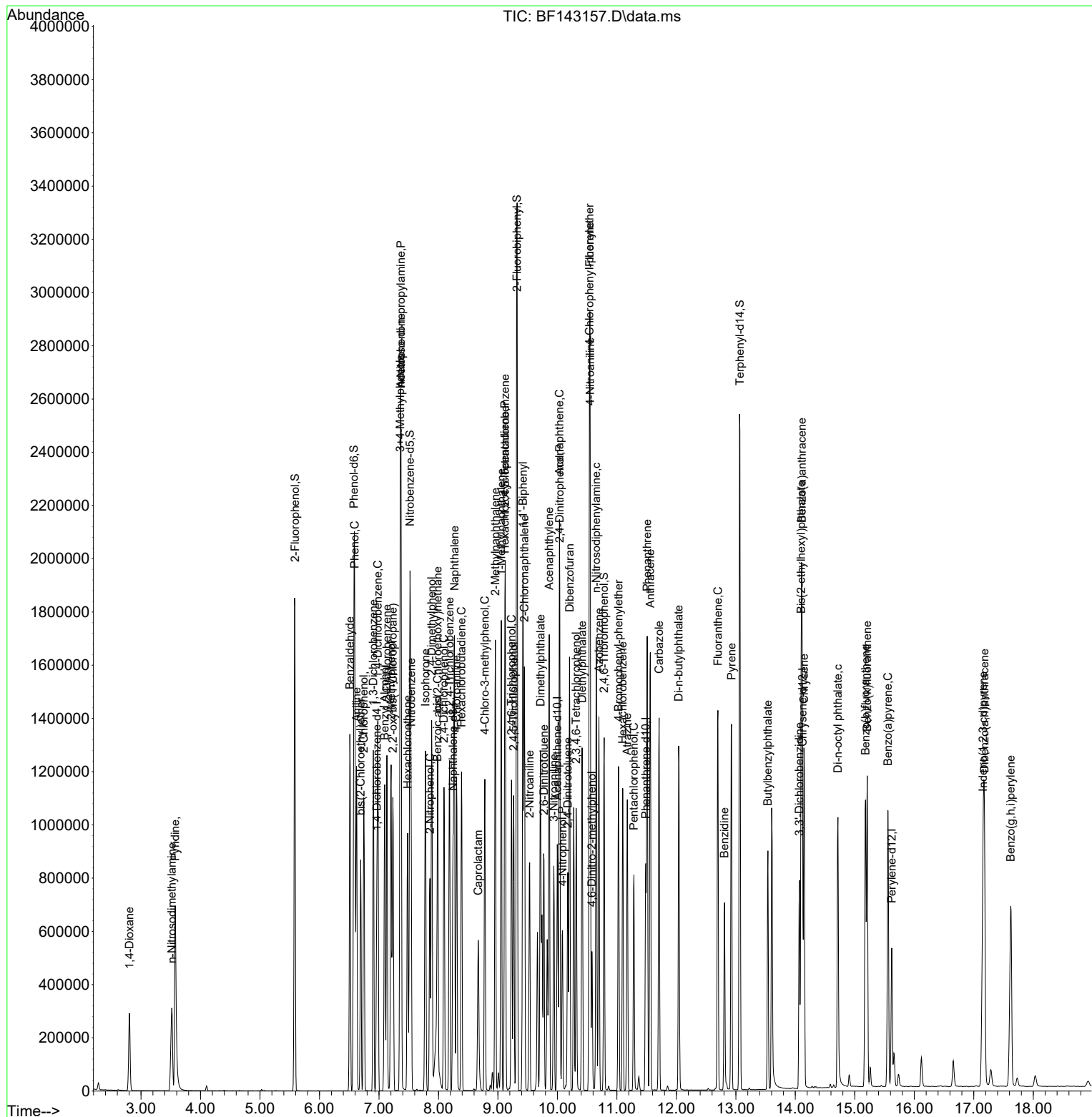
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Data File : BF143157.D  
Acq On    : 17 Jul 2025   19:37  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 20    Sample Multiplier: 1
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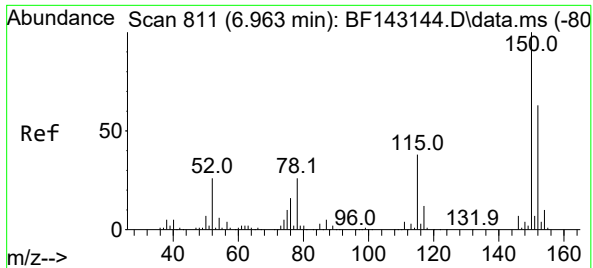
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jaagrut Upadhyay 07/18/2025

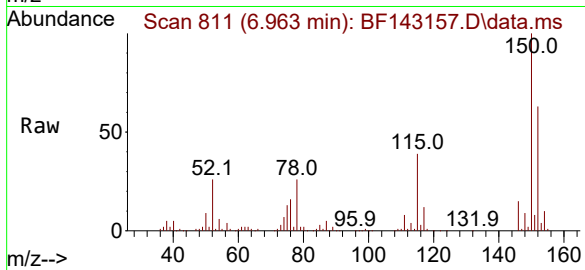
Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

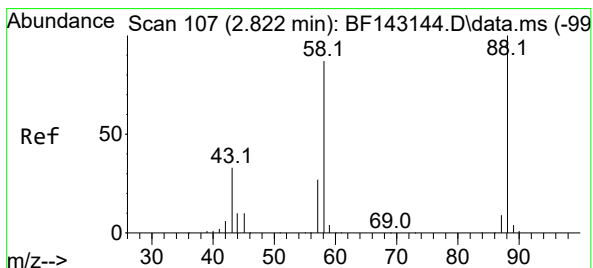
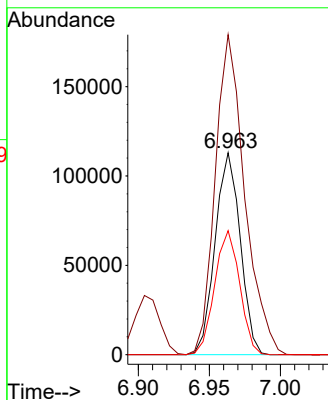
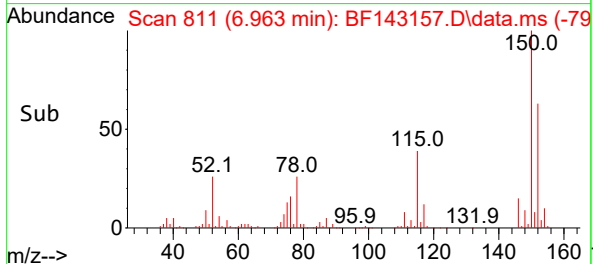
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:152 Resp: 13885
Ion Ratio Lower Upper
152 100
150 158.5 128.2 192.4
115 61.4 47.9 71.9

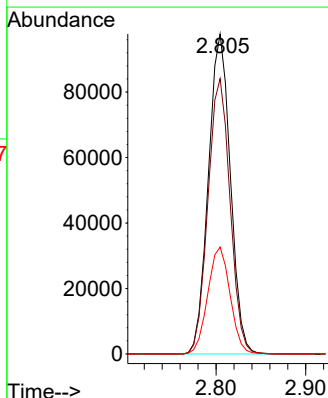
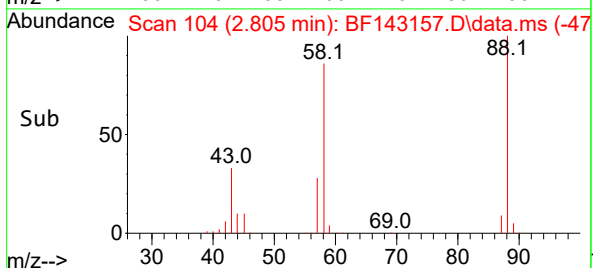
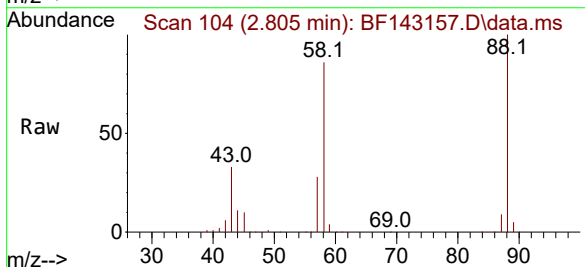
Manual Integrations
APPROVED

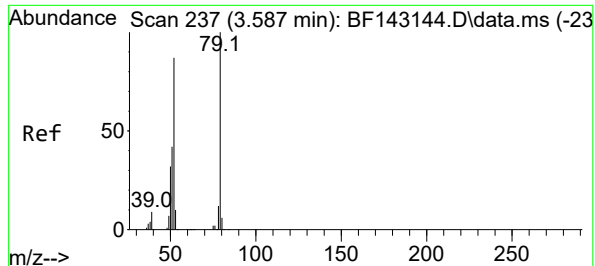
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 40.040 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

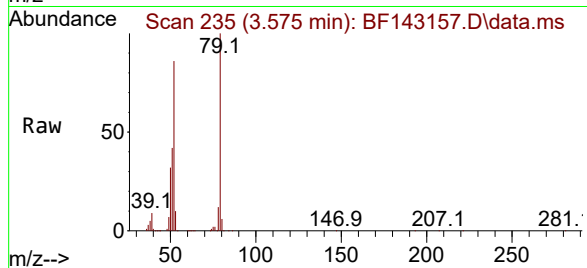
Tgt Ion: 88 Resp: 166244
Ion Ratio Lower Upper
88 100
58 86.5 70.2 105.2
43 34.0 27.1 40.7





#3
Pyridine
Concen: 38.834 ng
RT: 3.575 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

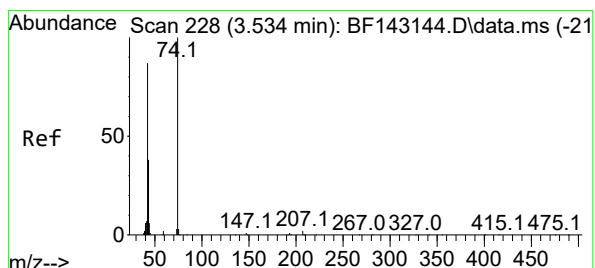
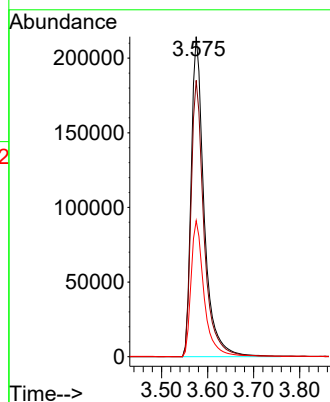
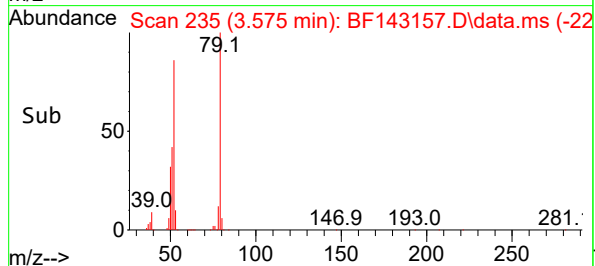
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion: 79 Resp: 418492
Ion Ratio Lower Upper
79 100
52 86.4 69.4 104.2
51 42.5 33.5 50.3

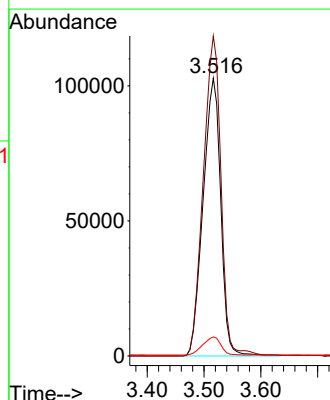
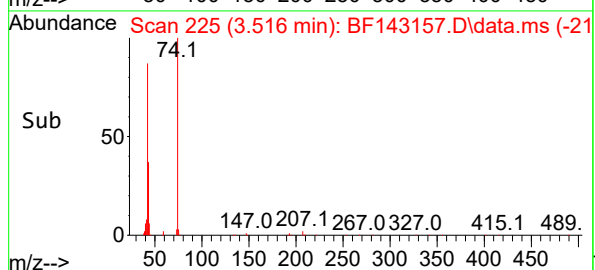
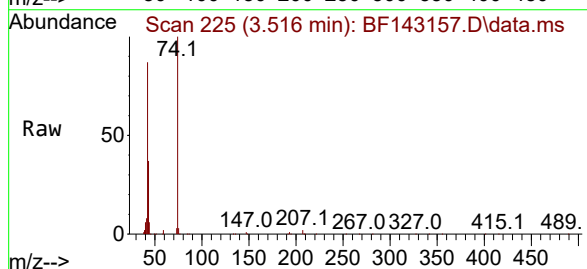
Manual Integrations
APPROVED

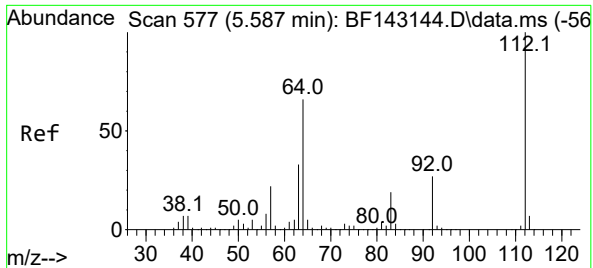
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#4
n-Nitrosodimethylamine
Concen: 39.723 ng
RT: 3.516 min Scan# 225
Delta R.T. -0.018 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

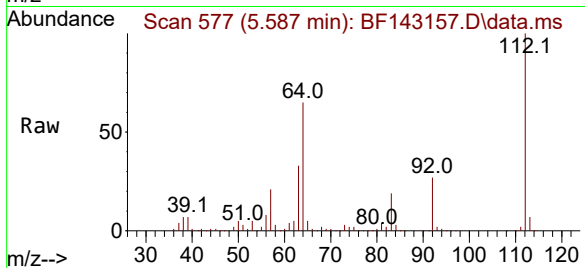
Tgt Ion: 42 Resp: 221018
Ion Ratio Lower Upper
42 100
74 115.2 91.7 137.5
44 6.9 5.6 8.4





#5
2-Fluorophenol
Concen: 77.881 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

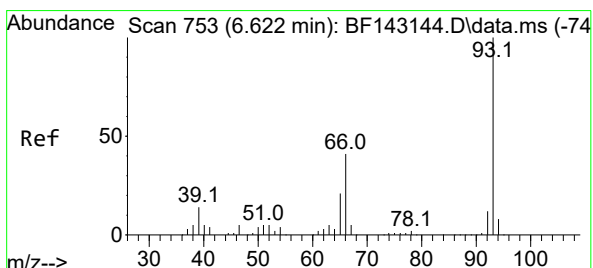
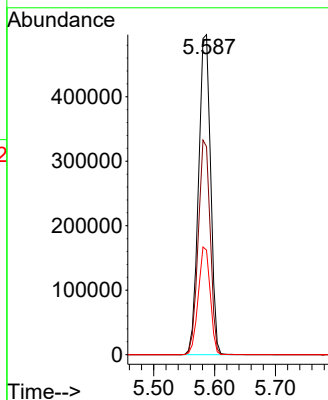
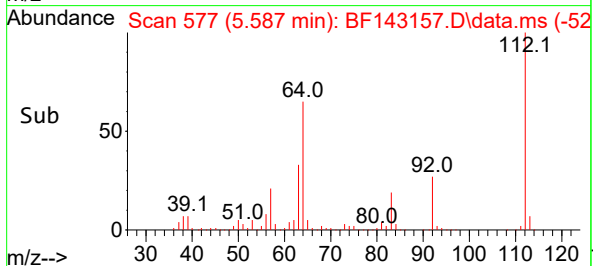
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:112 Resp: 68337
Ion Ratio Lower Upper
112 100
64 65.0 53.1 79.7
63 32.7 26.6 40.0

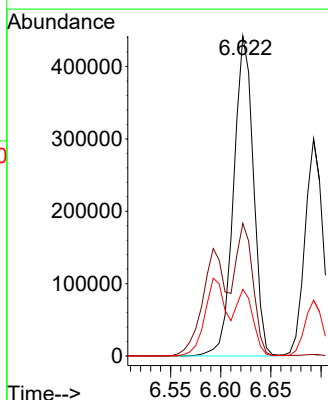
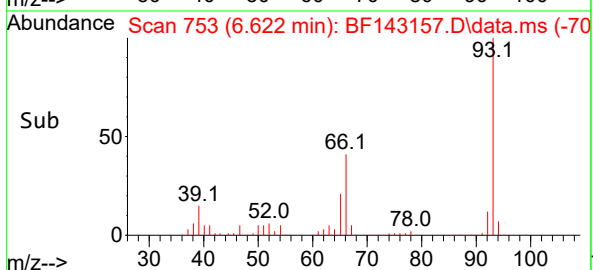
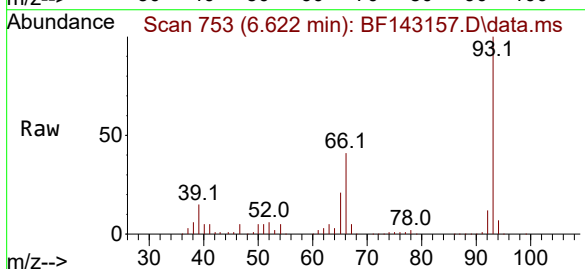
Manual Integrations
APPROVED

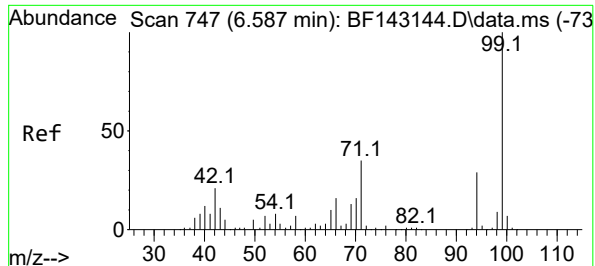
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 39.488 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

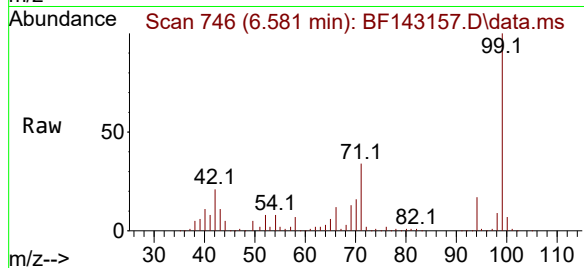
Tgt Ion: 93 Resp: 607823
Ion Ratio Lower Upper
93 100
66 41.4 33.2 49.8
65 20.8 16.9 25.3





#7
Phenol-d6
Concen: 78.288 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

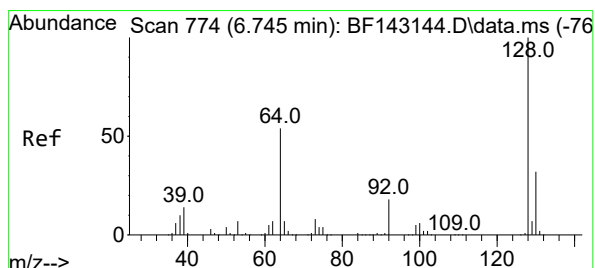
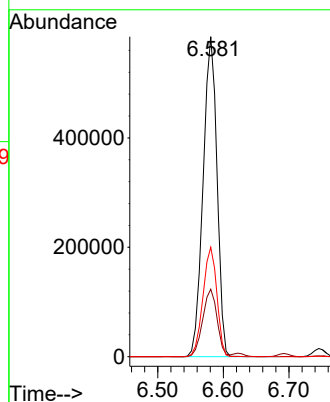
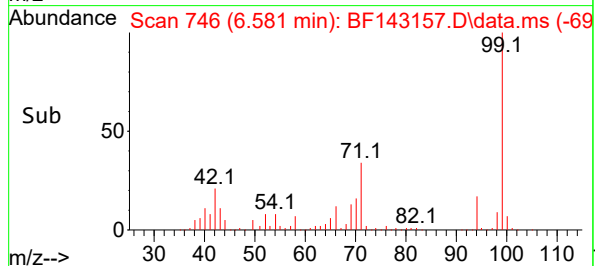
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion: 99 Resp: 86464
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.2 27.7 41.5

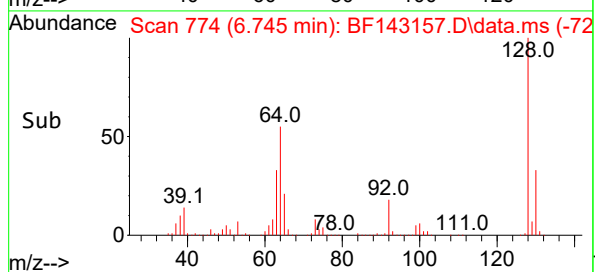
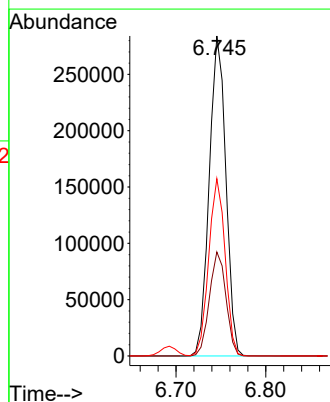
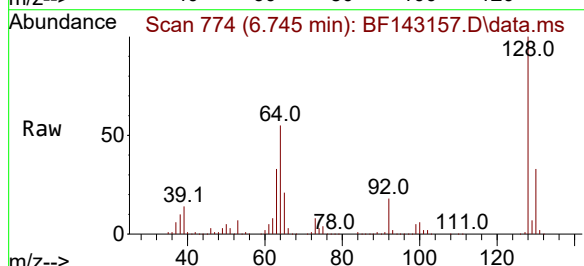
Manual Integrations
APPROVED

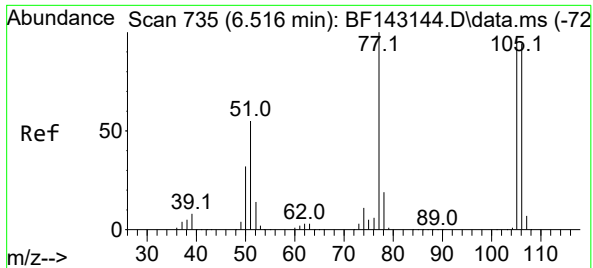
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#8
2-Chlorophenol
Concen: 39.743 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

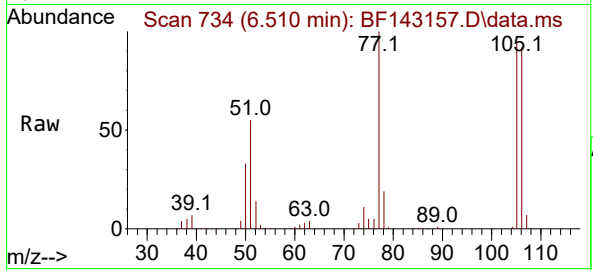
Tgt Ion:128 Resp: 365543
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 55.4 35.9 75.9





#9
Benzaldehyde
Concen: 43.912 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

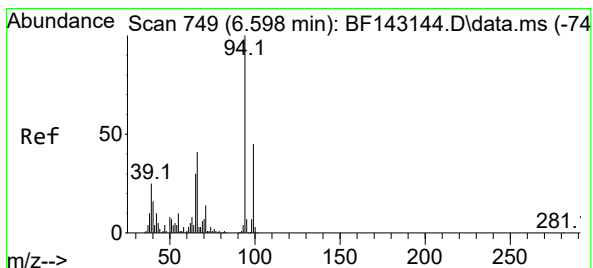
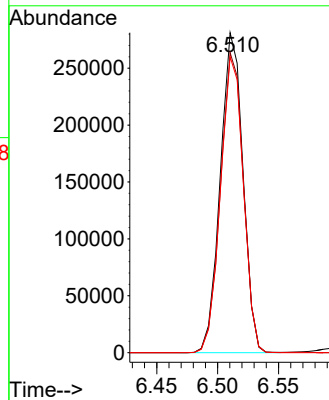
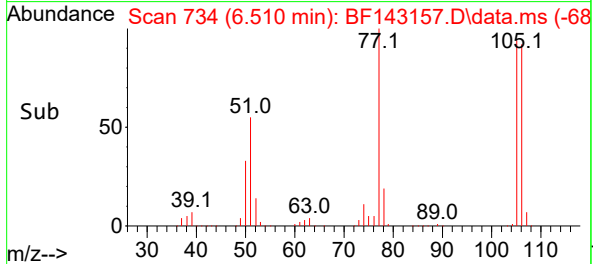
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion: 77 Resp: 36366
Ion Ratio Lower Upper
77 100
105 93.8 76.8 116.8
106 92.5 74.4 114.4

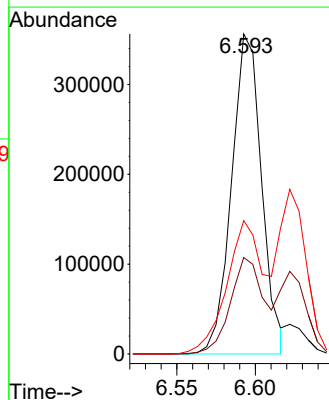
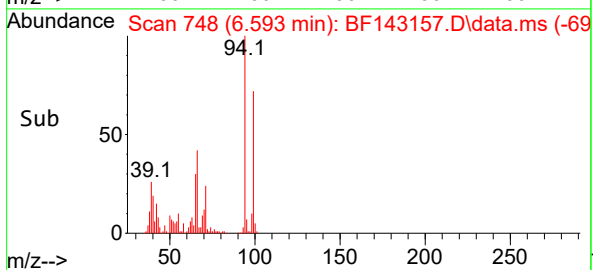
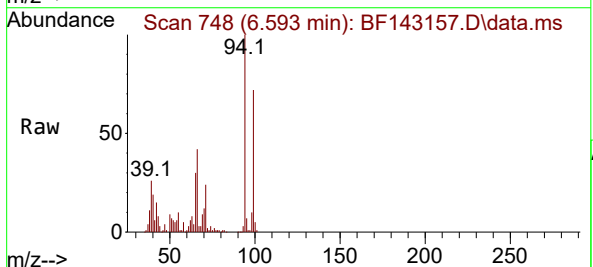
Manual Integrations
APPROVED

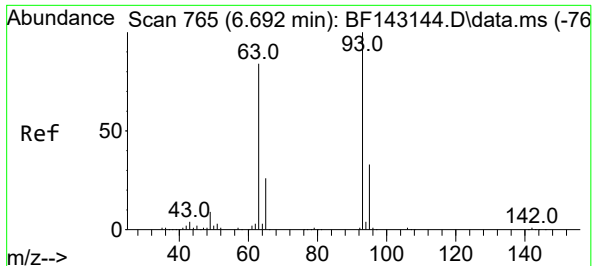
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#10
Phenol
Concen: 39.425 ng m
RT: 6.593 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 94 Resp: 474356
Ion Ratio Lower Upper
94 100
65 30.2 10.0 50.0
66 41.6 20.8 60.8





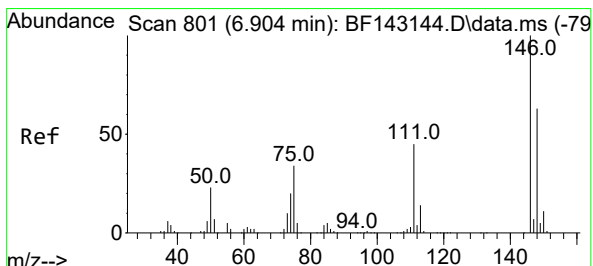
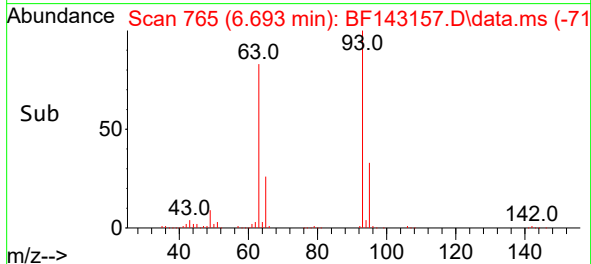
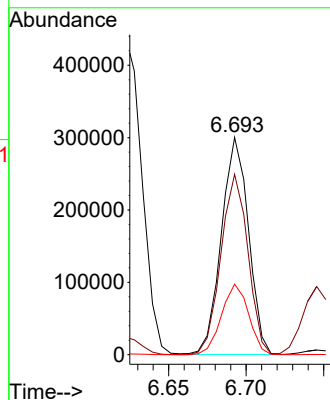
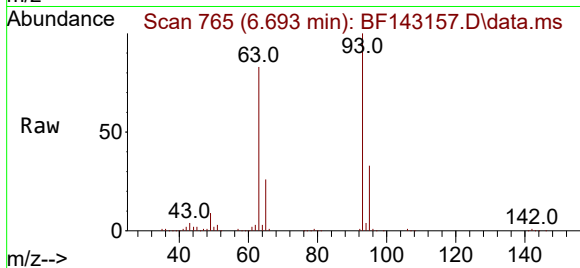
#11
bis(2-Chloroethyl)ether
Concen: 39.624 ng
RT: 6.693 min Scan# 701
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 365030
Ion Ratio Lower Upper
93 100
63 82.9 63.4 103.4
95 32.5 12.4 52.4

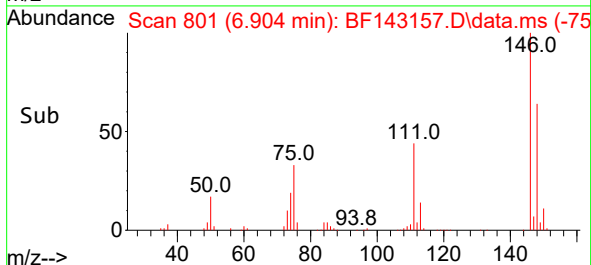
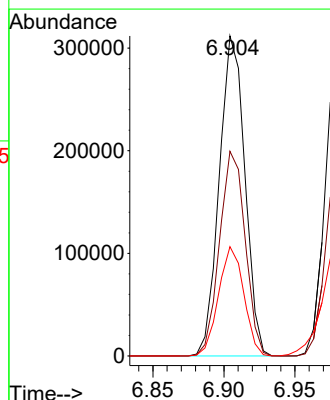
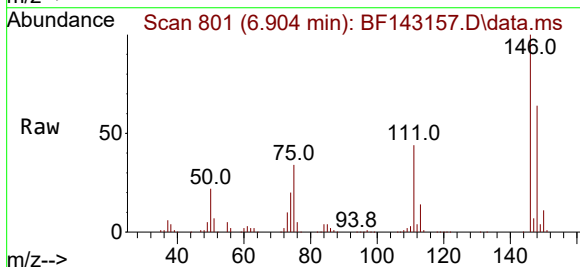
Manual Integrations
APPROVED

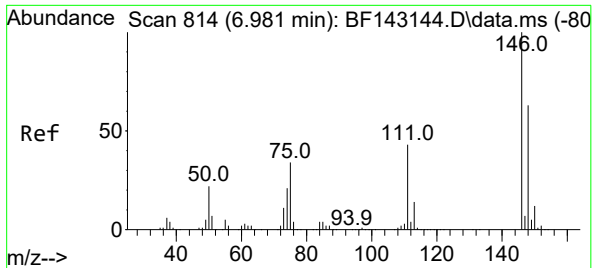
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 39.082 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:146 Resp: 390492
Ion Ratio Lower Upper
146 100
148 63.9 50.6 76.0
75 34.2 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.023 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:146 Resp: 39265

Ion Ratio Lower Upper

146 100

148 63.5 50.3 75.5

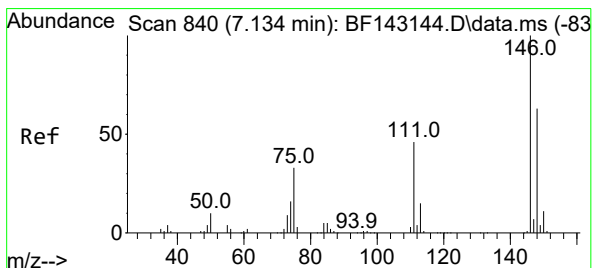
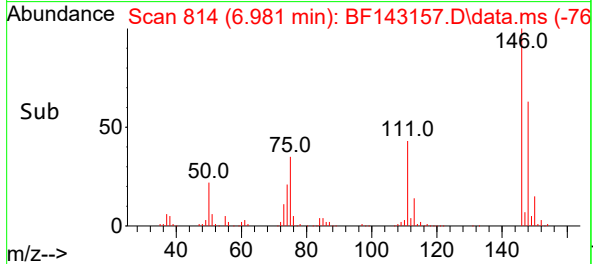
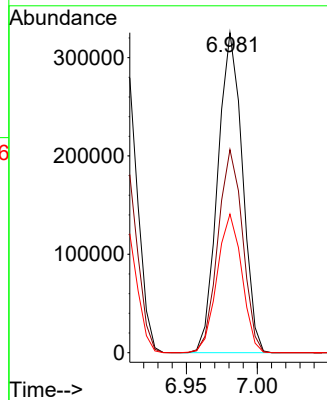
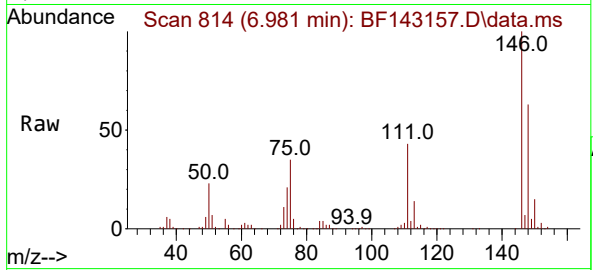
111 43.3 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 39.413 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

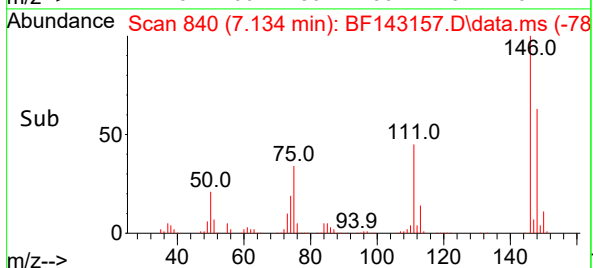
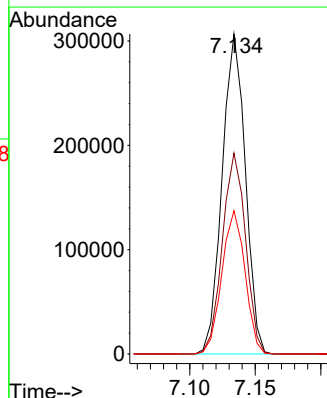
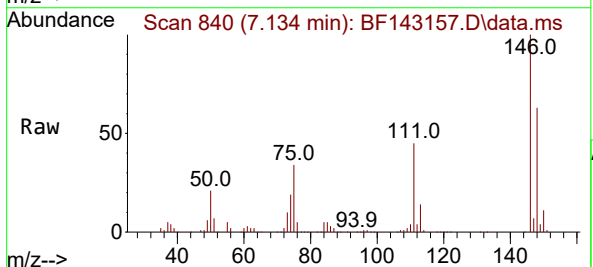
Tgt Ion:146 Resp: 377188

Ion Ratio Lower Upper

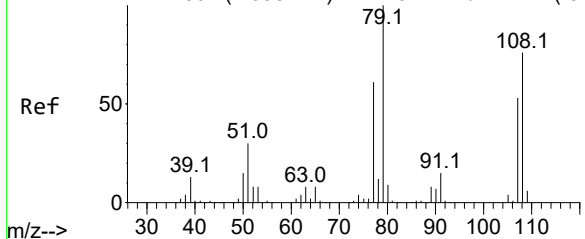
146 100

148 62.8 50.7 76.1

111 44.8 36.6 54.8



Abundance Scan 834 (7.098 min): BF143144.D\data.ms (-82



#15

Benzyl Alcohol

Concen: 39.613 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 79 Resp: 334056

Ion Ratio Lower Upper

79 100

108 76.1 61.1 91.7

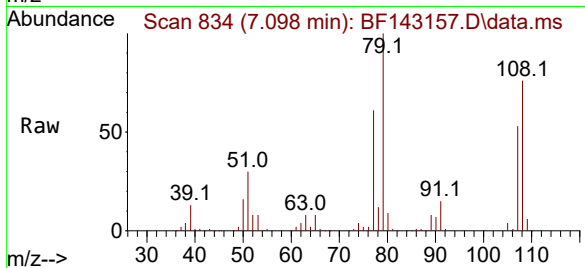
77 60.8 48.9 73.3

Manual Integrations

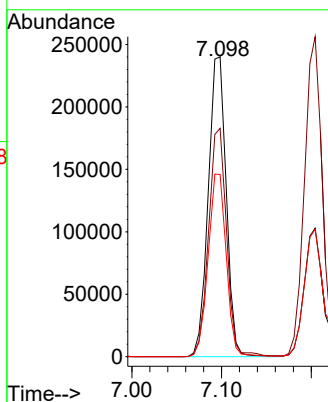
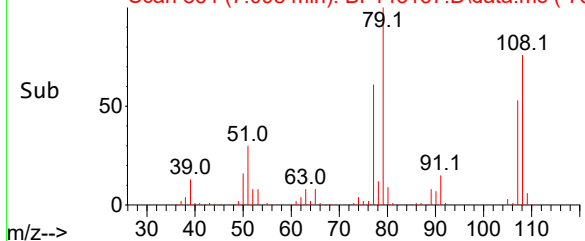
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

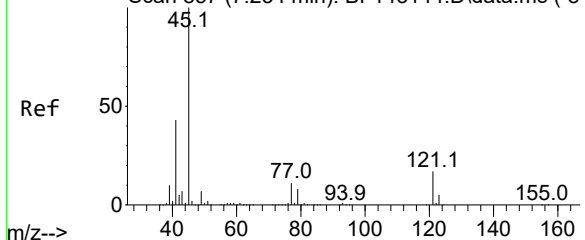
Supervised By :Jagrut Upadhyay 07/18/2025



Abundance Scan 834 (7.098 min): BF143157.D\data.ms (-78



Abundance Scan 857 (7.234 min): BF143144.D\data.ms (-84



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.695 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

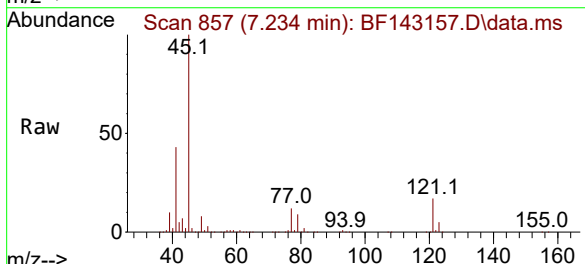
Tgt Ion: 45 Resp: 678356

Ion Ratio Lower Upper

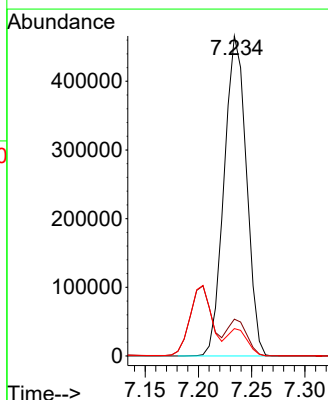
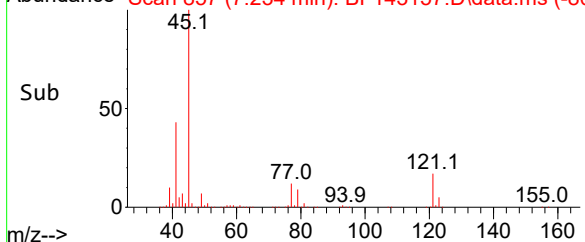
45 100

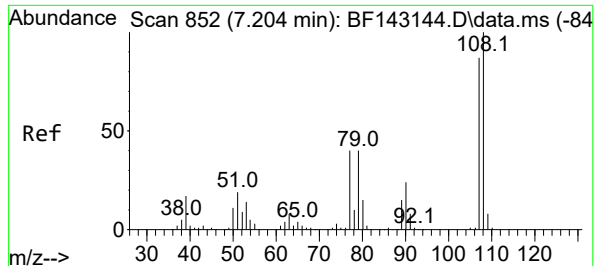
77 11.5 0.0 31.2

79 8.6 0.0 28.5



Abundance Scan 857 (7.234 min): BF143157.D\data.ms (-80





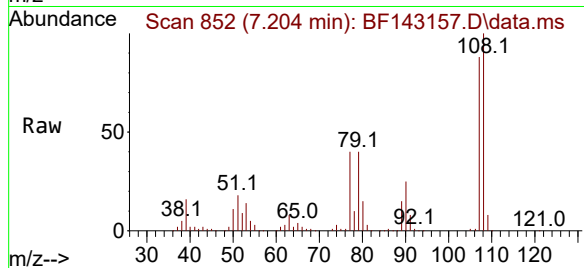
#17
2-Methylphenol
Concen: 39.283 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

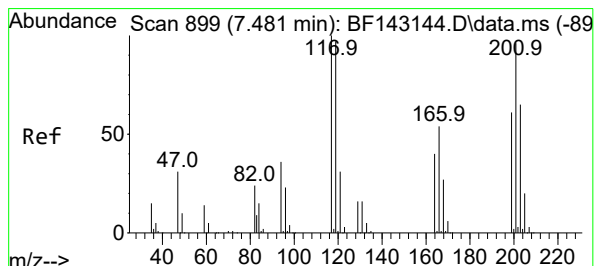
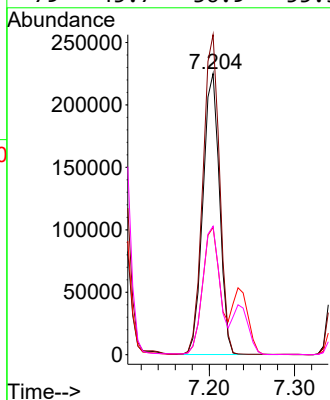
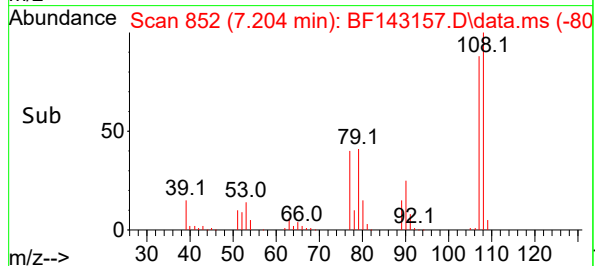


Tgt Ion:107 Resp: 303790
Ion Ratio Lower Upper
107 100
108 113.8 91.8 137.6
77 45.3 37.0 55.6
79 45.7 36.9 55.3

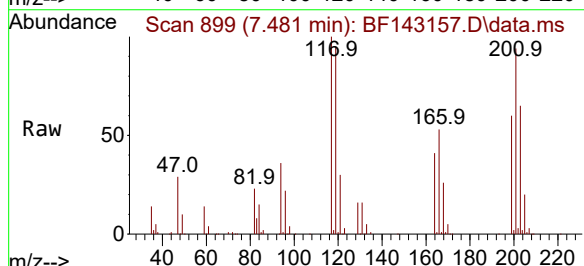
Manual Integrations

APPROVED

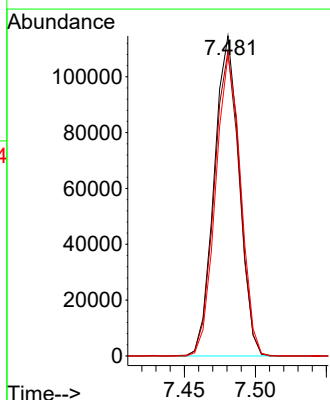
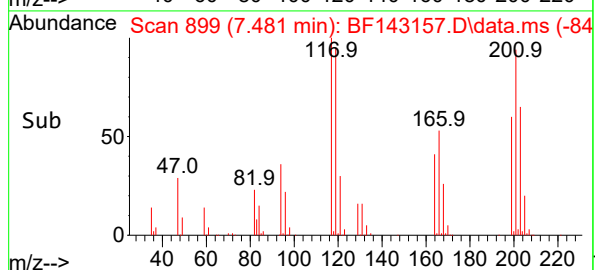
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

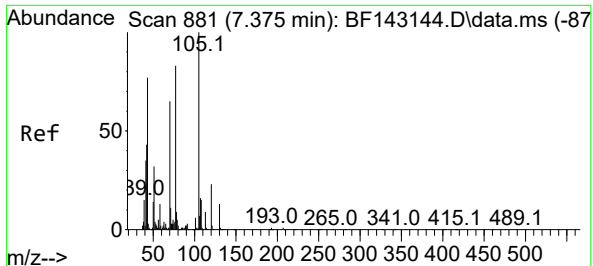


#18
Hexachloroethane
Concen: 40.502 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



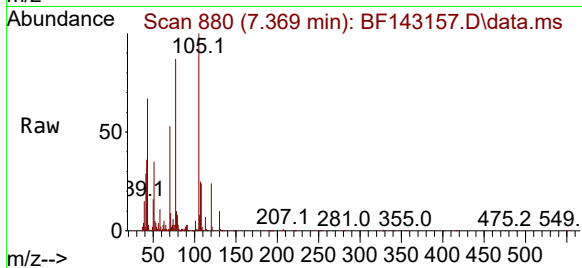
Tgt Ion:117 Resp: 141080
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.8
201 94.1 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 38.561 ng
RT: 7.369 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

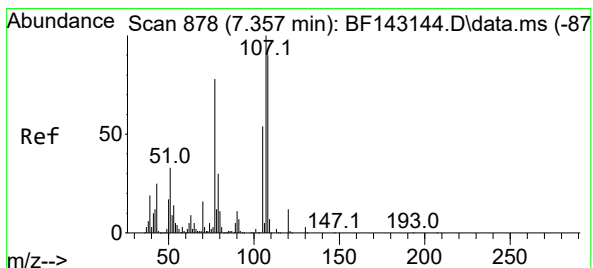
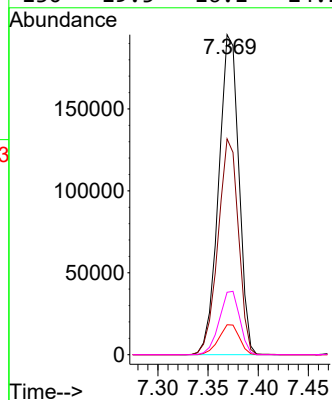
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion: 70 Resp: 27323
Ion Ratio Lower Upper
70 100
42 67.5 52.5 78.7
101 9.3 7.6 11.4
130 19.5 16.1 24.1

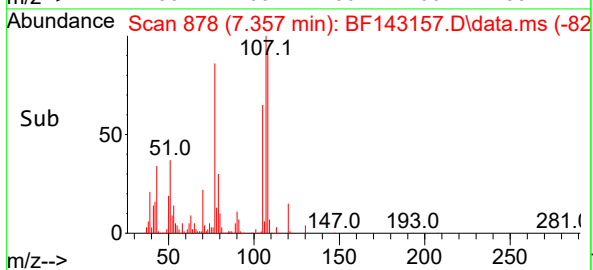
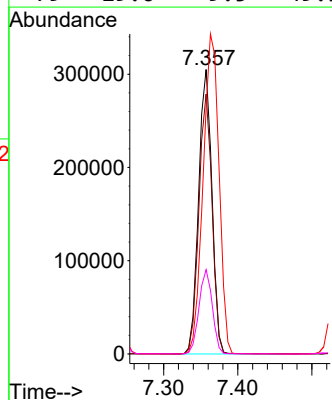
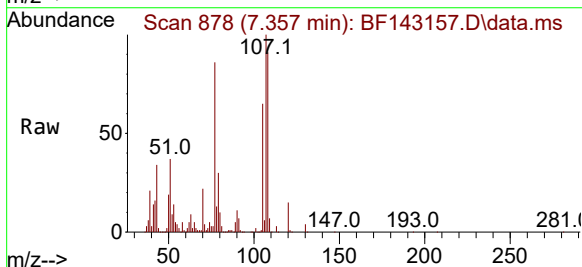
Manual Integrations
APPROVED

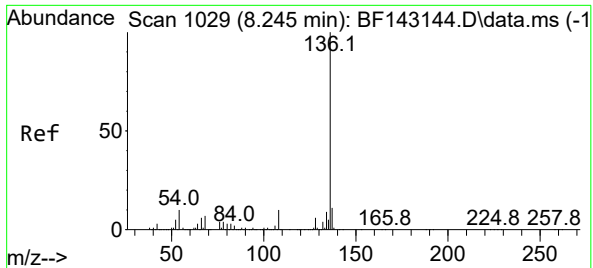
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#20
3+4-Methylphenols
Concen: 40.698 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

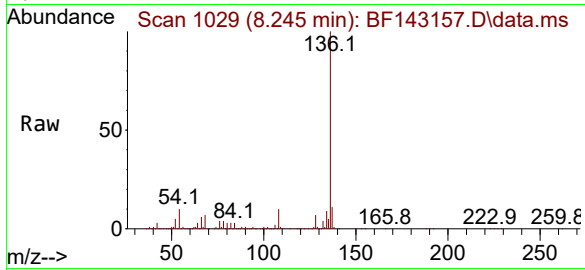
Tgt Ion:107 Resp: 381861
Ion Ratio Lower Upper
107 100
108 91.3 70.0 110.0
77 86.4 57.8 97.8
79 29.6 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

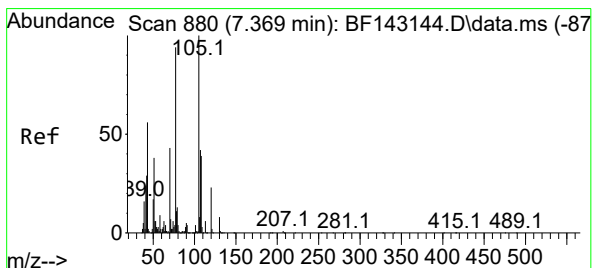
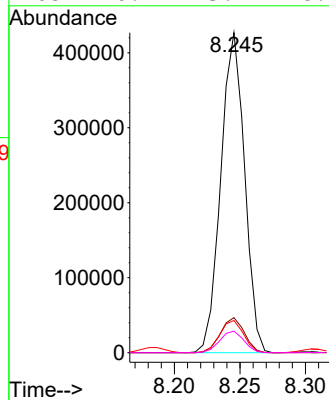
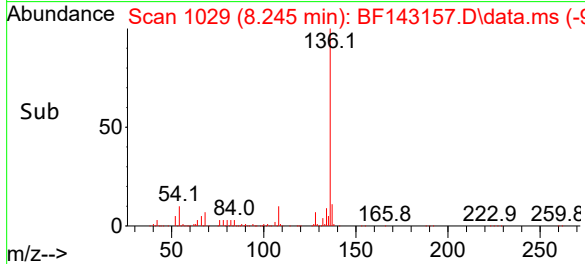
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:136 Resp: 536902
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.0 8.2 12.2
68 6.7 5.4 8.2

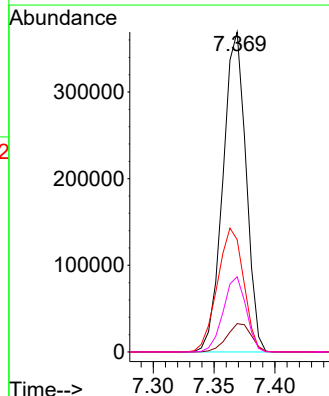
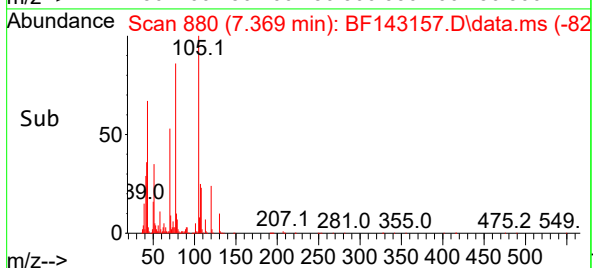
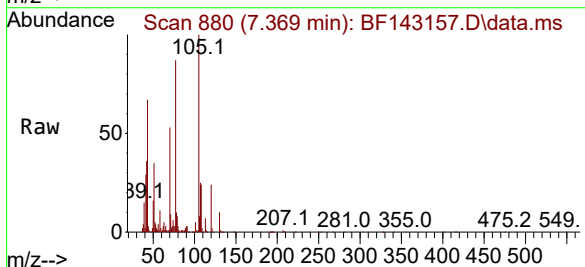
Manual Integrations
APPROVED

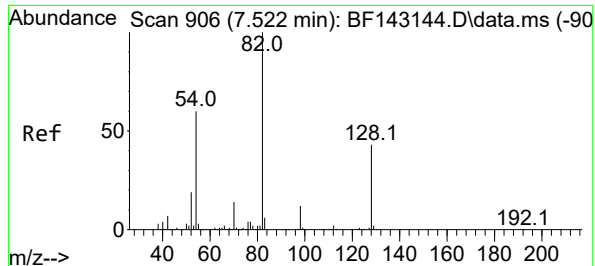
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 38.334 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:105 Resp: 487279
Ion Ratio Lower Upper
105 100
71 8.9 5.8 8.6#
51 35.1 30.2 45.2
120 23.5 18.2 27.4





#23

Nitrobenzene-d5

Concen: 83.120 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 82 Resp: 89528

Ion Ratio Lower Upper

82 100

128 42.8 33.6 50.4

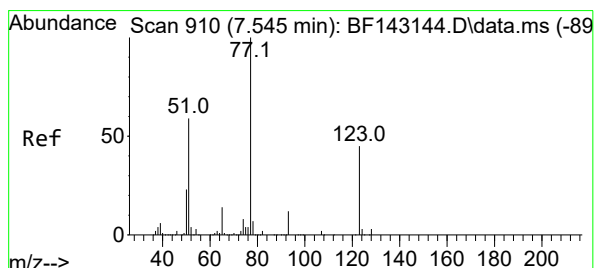
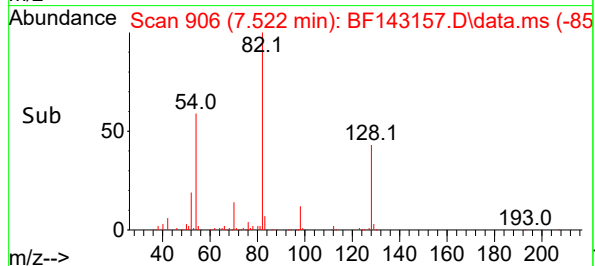
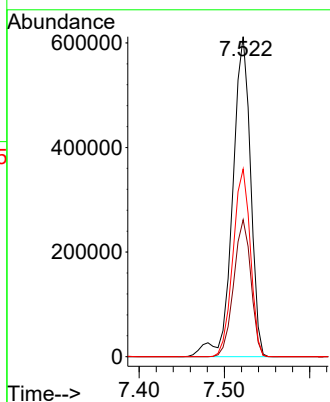
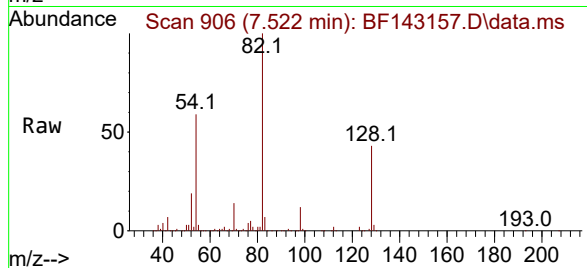
54 58.6 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 39.799 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

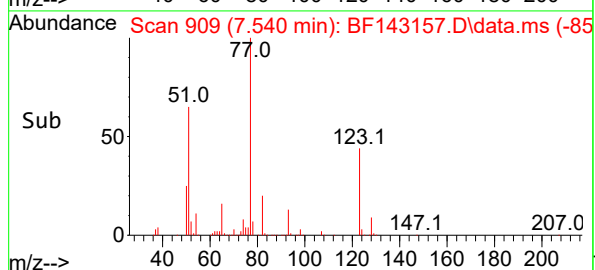
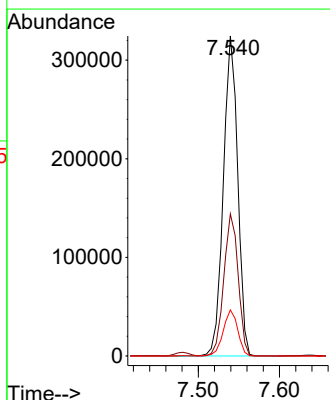
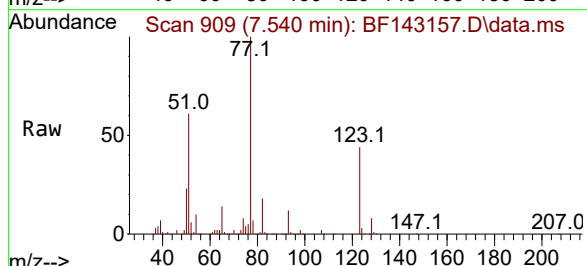
Tgt Ion: 77 Resp: 399661

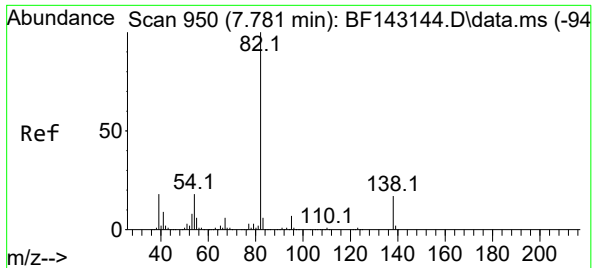
Ion Ratio Lower Upper

77 100

123 44.4 36.1 54.1

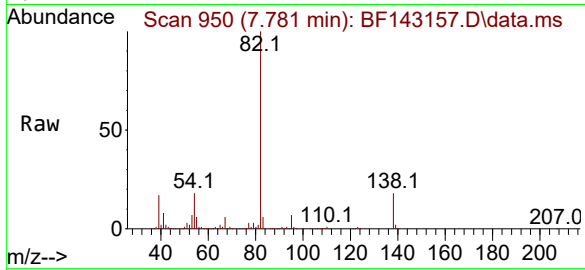
65 14.4 11.4 17.2





#25
Isophorone
Concen: 38.662 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

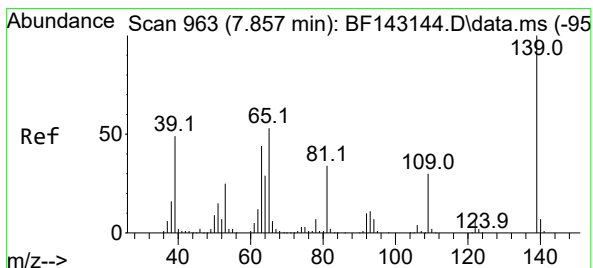
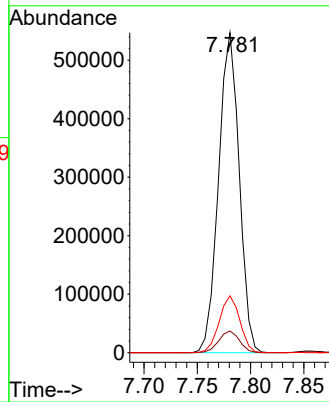
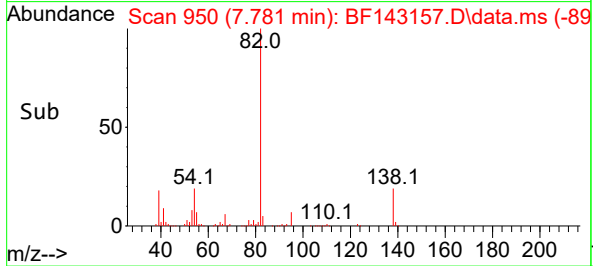
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



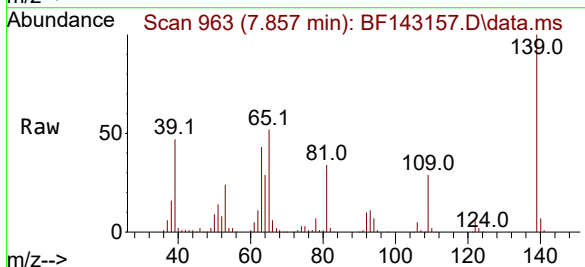
Tgt Ion: 82 Resp: 735124
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 17.8 13.8 20.8

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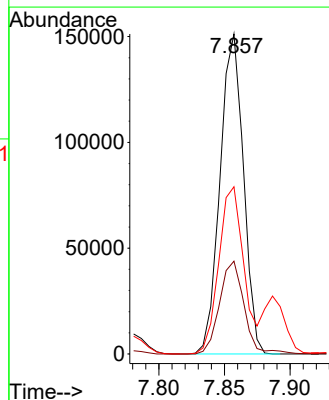
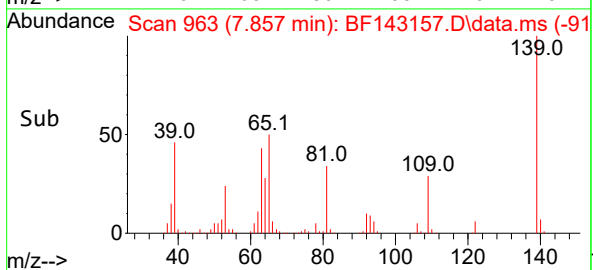
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

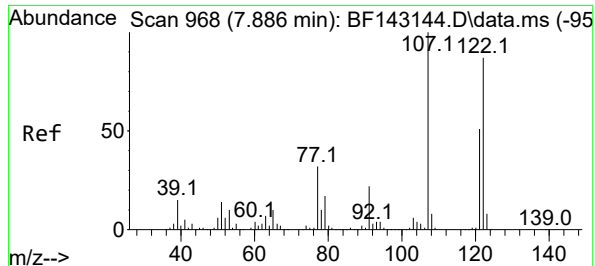


#26
2-Nitrophenol
Concen: 43.005 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



Tgt Ion:139 Resp: 187422
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 52.3 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 38.914 ng

RT: 7.887 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:122 Resp: 34570

Ion Ratio Lower Upper

122 100

107 115.7 91.8 137.6

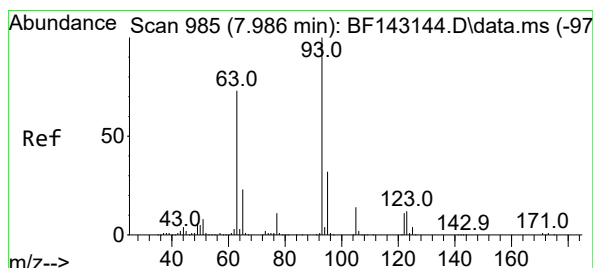
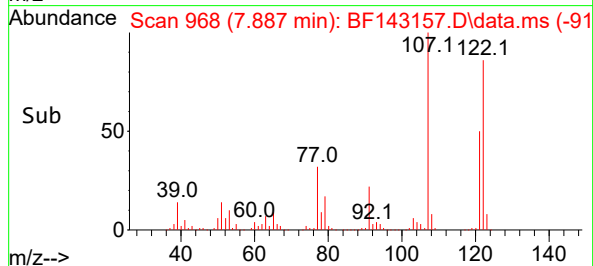
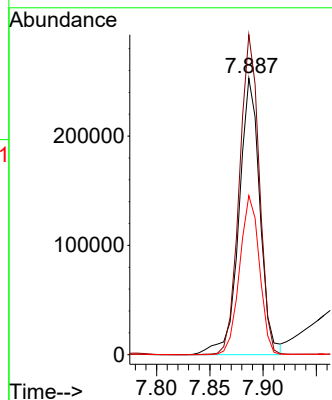
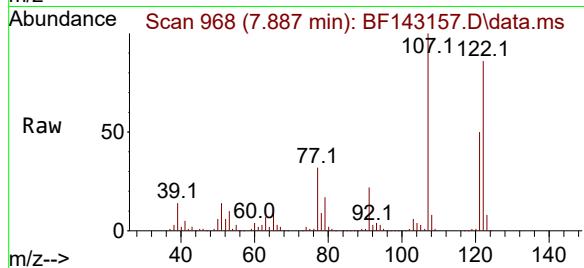
121 57.5 46.3 69.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 38.785 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

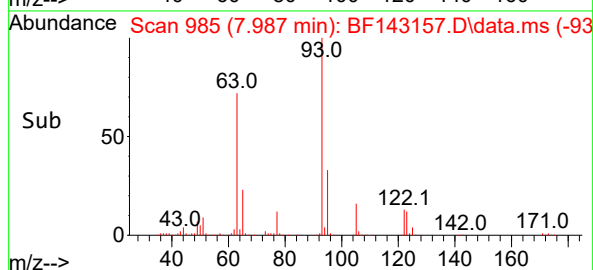
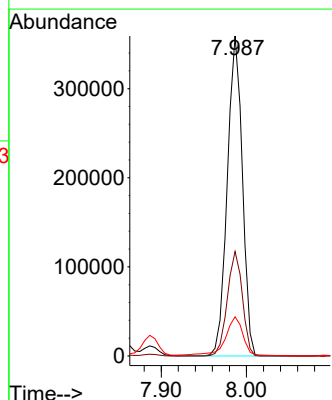
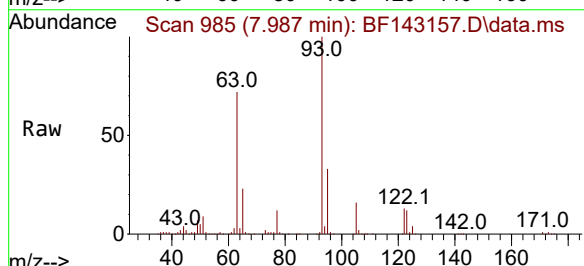
Tgt Ion: 93 Resp: 442167

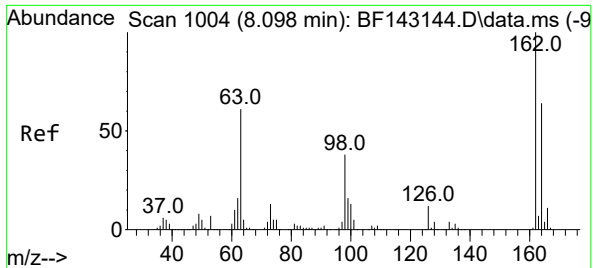
Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 39.168 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:162 Resp: 29344

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

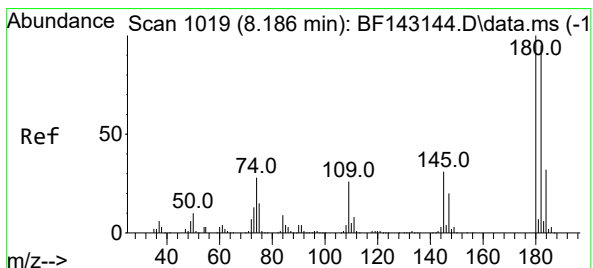
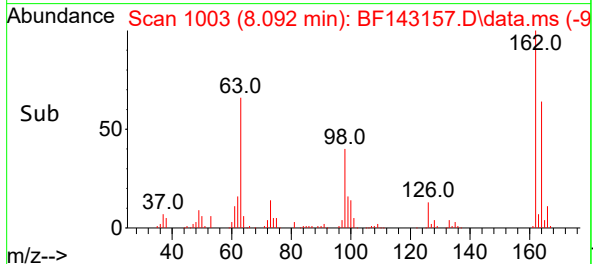
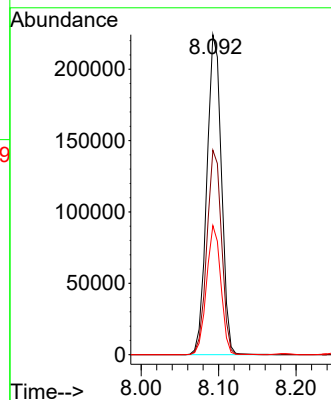
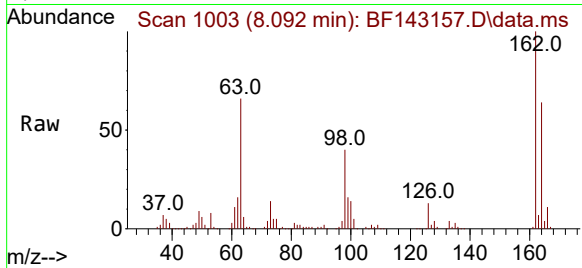
98 40.3 17.9 57.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 38.870 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

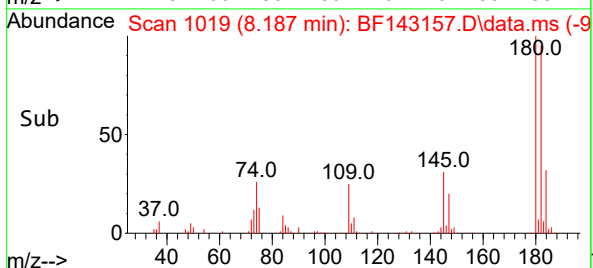
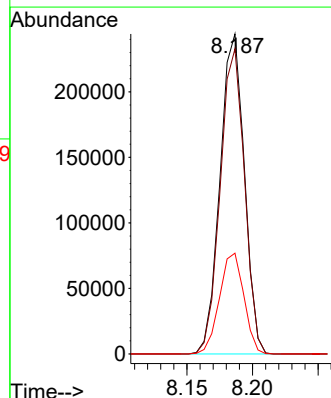
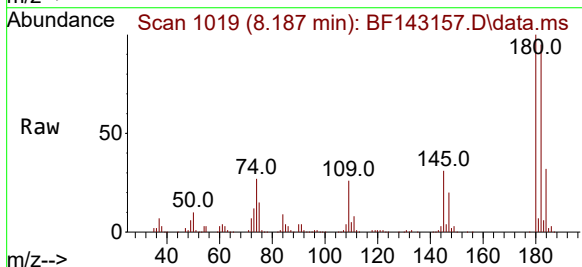
Tgt Ion:180 Resp: 314604

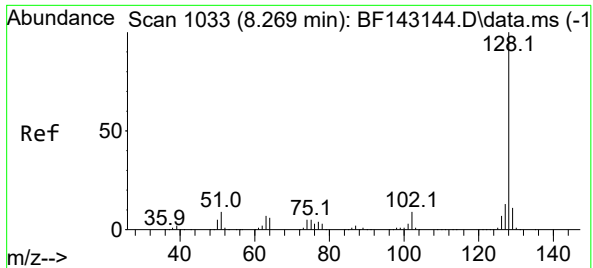
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

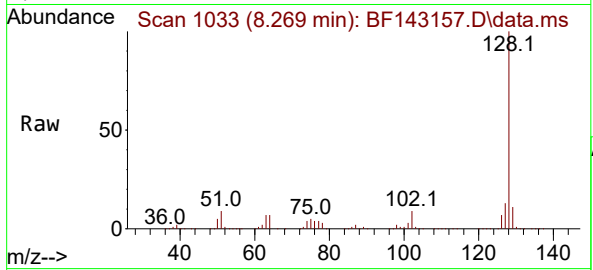
145 31.5 25.0 37.6





#31
Naphthalene
Concen: 38.883 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

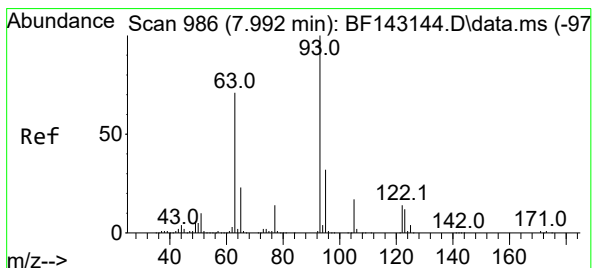
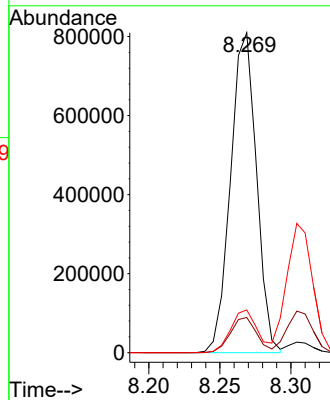
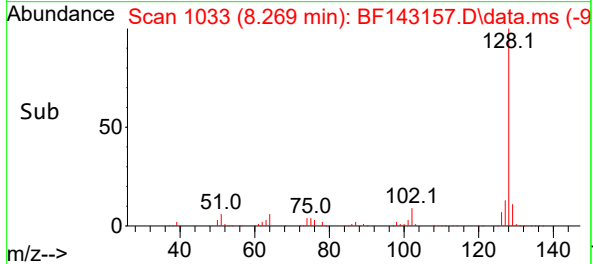
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:128 Resp: 1028140
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.4 10.6 16.0

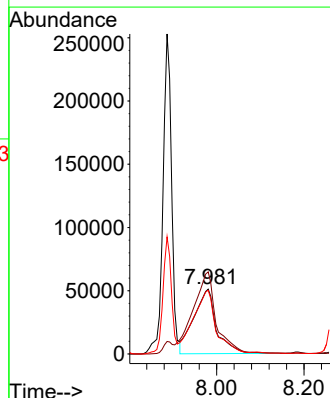
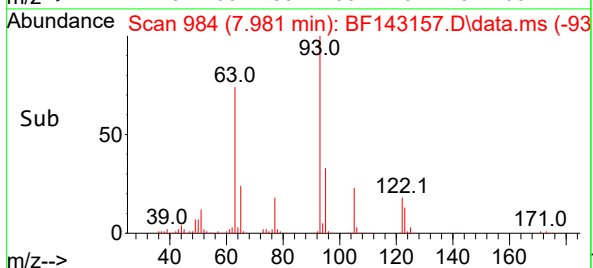
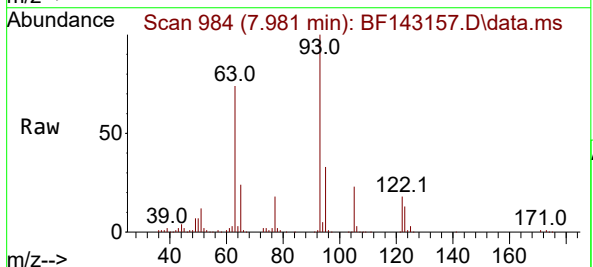
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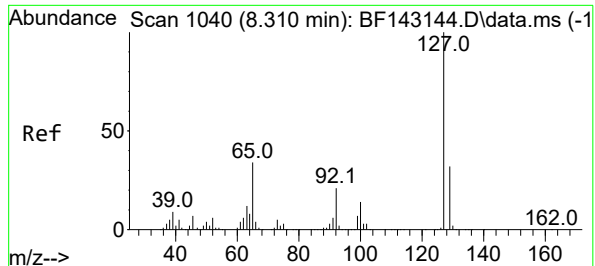
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 38.171 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:122 Resp: 185065
Ion Ratio Lower Upper
122 100
105 126.5 104.8 144.8
77 98.3 77.6 117.6





#33
4-Chloroaniline
Concen: 38.161 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

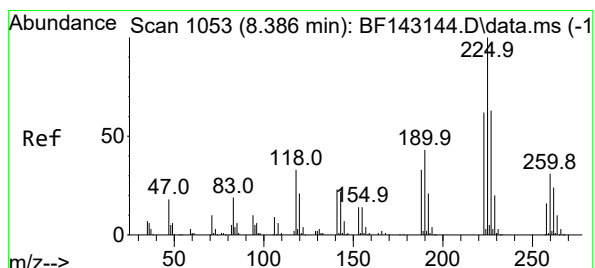
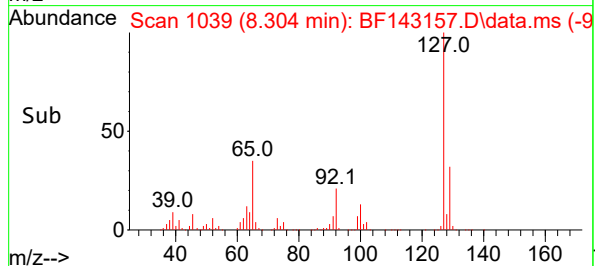
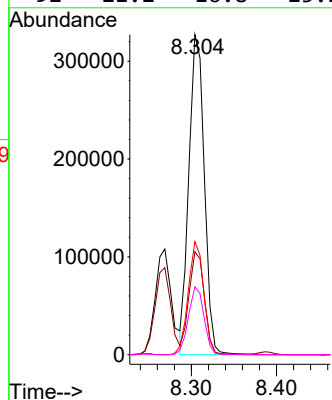
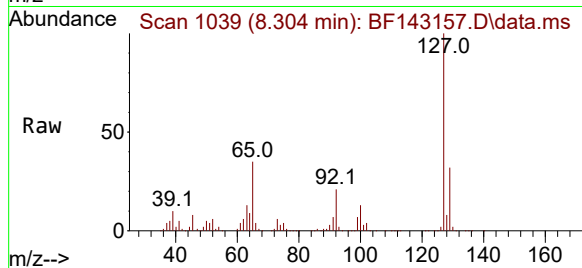
SSTDCCC040EC

Tgt Ion:127 Resp: 41201
Ion Ratio Lower Upper
127 100
129 32.2 26.0 39.0
65 35.3 27.4 41.2
92 21.2 16.8 25.2

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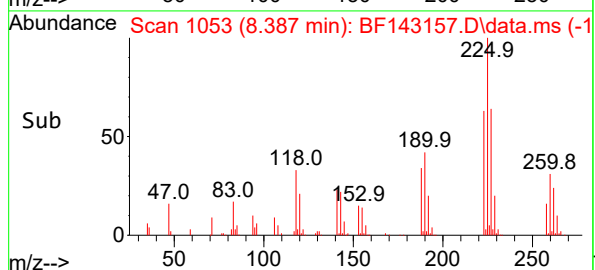
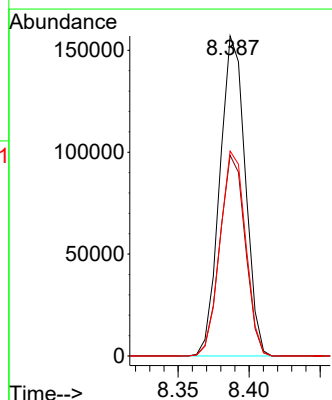
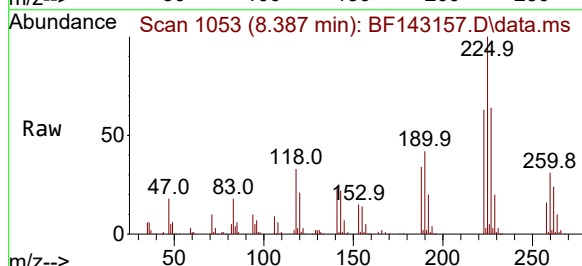
APPROVED

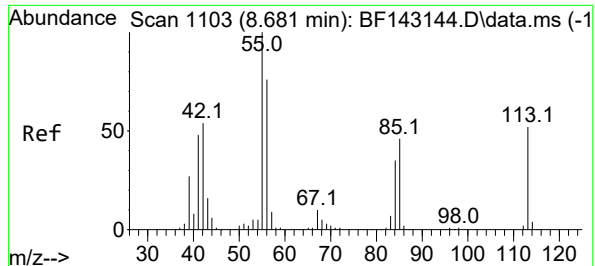
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 39.537 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:225 Resp: 195484
Ion Ratio Lower Upper
225 100
223 62.7 49.8 74.6
227 64.0 50.2 75.4





#35

Caprolactam

Concen: 39.790 ng

RT: 8.669 min Scan# 1103

Delta R.T. -0.012 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:113 Resp: 90080

Ion Ratio Lower Upper

113 100

55 197.2 174.0 214.0

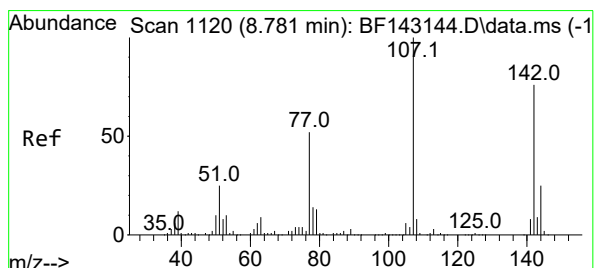
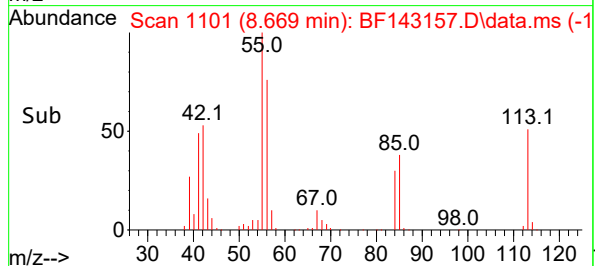
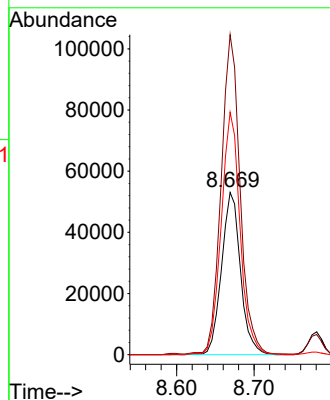
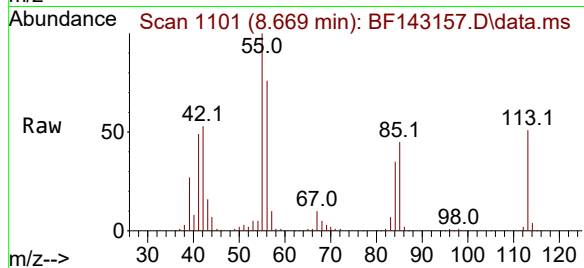
56 149.4 126.6 166.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#36

4-Chloro-3-methylphenol

Concen: 38.598 ng

RT: 8.781 min Scan# 1120

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

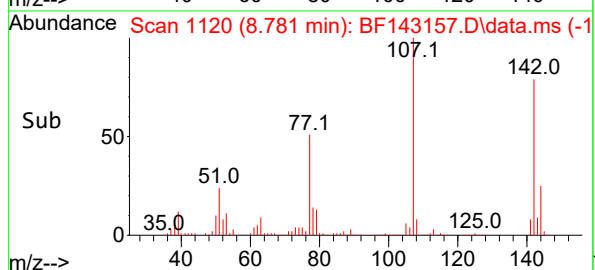
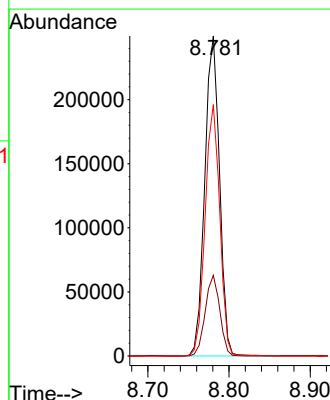
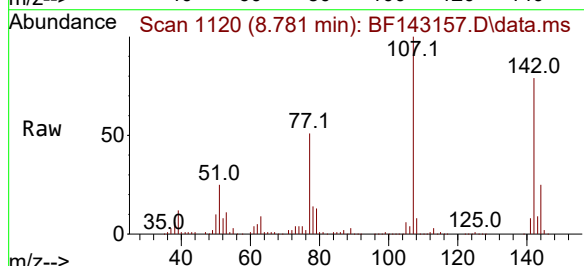
Tgt Ion:107 Resp: 314299

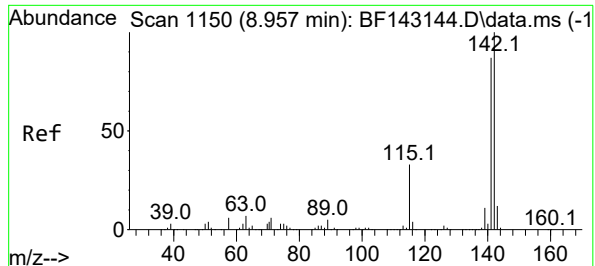
Ion Ratio Lower Upper

107 100

144 25.2 19.8 29.6

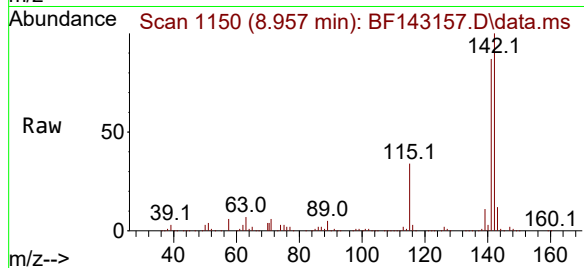
142 78.5 60.6 90.8





#37
2-Methylnaphthalene
Concen: 38.490 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

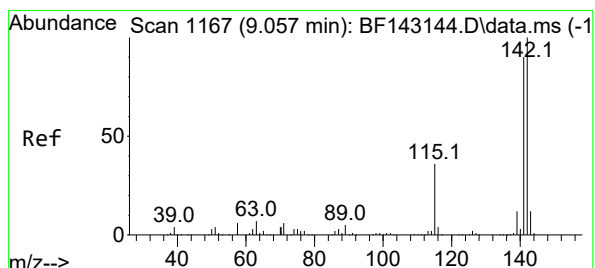
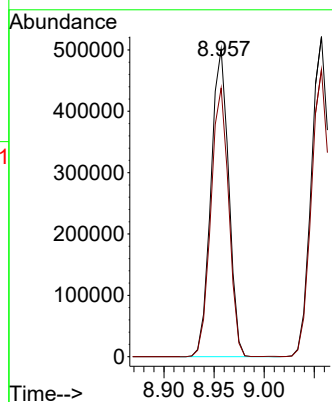
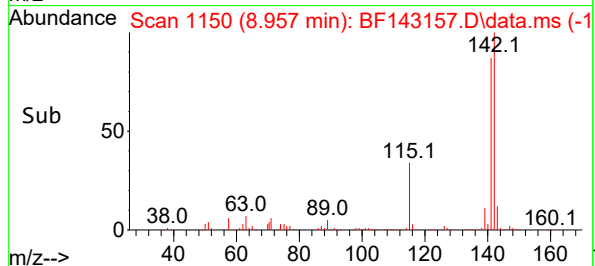
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:142 Resp: 619310
Ion Ratio Lower Upper
142 100
141 87.3 69.9 104.9

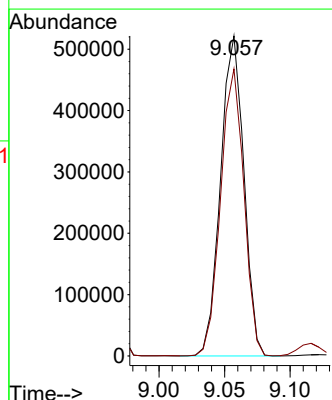
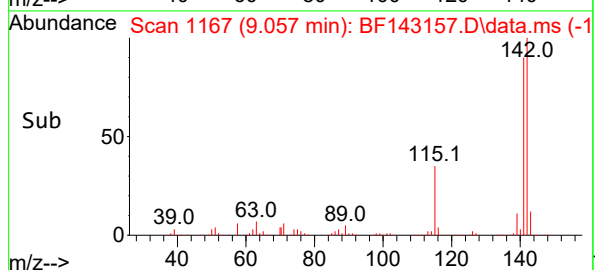
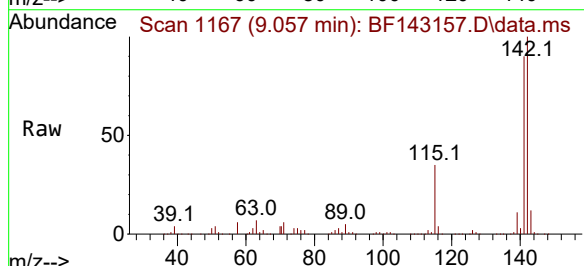
Manual Integrations
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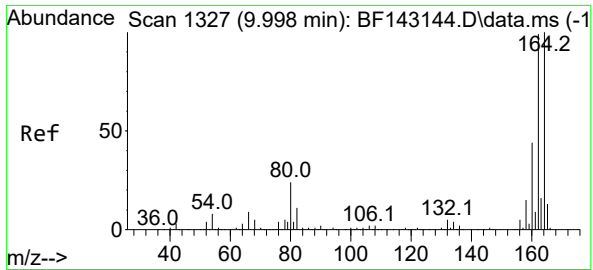
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 38.919 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:142 Resp: 644847
Ion Ratio Lower Upper
142 100
141 89.7 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143157.D

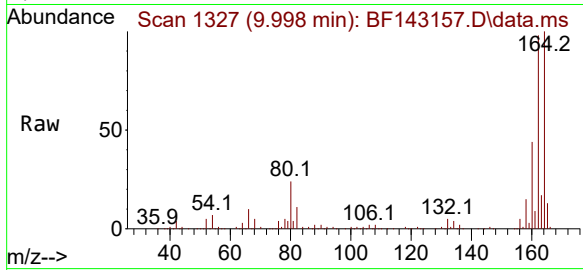
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion:164 Resp: 26967

Ion Ratio Lower Upper

164 100

162 98.4 79.0 118.6

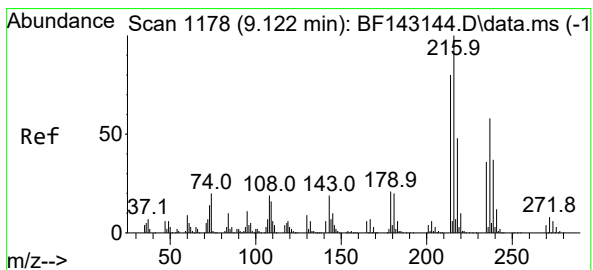
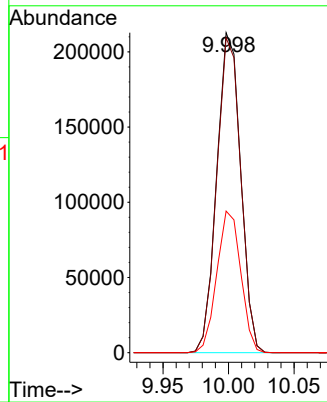
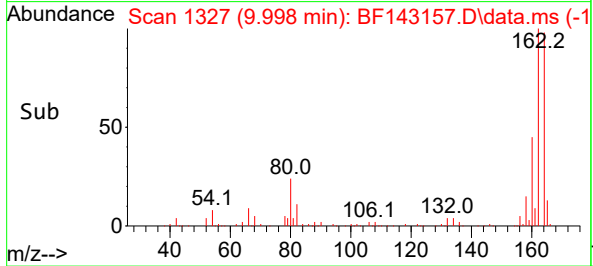
160 44.3 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.116 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Tgt Ion:216 Resp: 304551

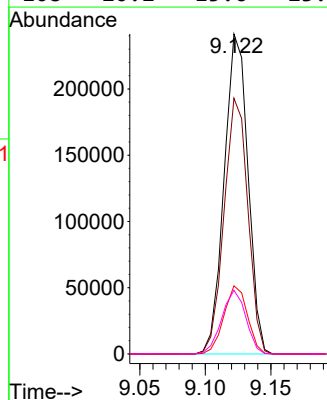
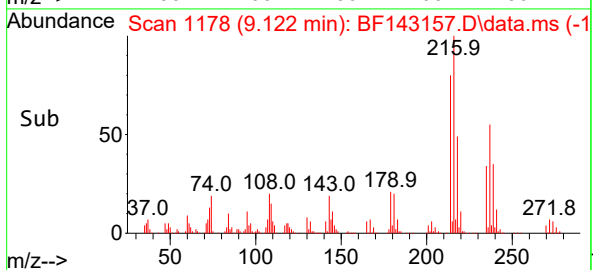
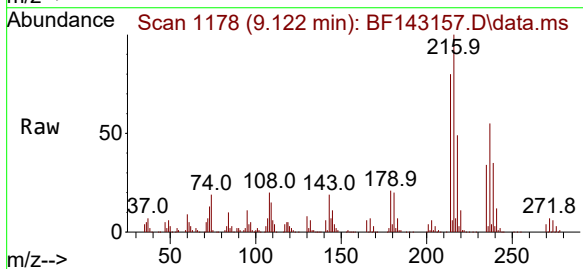
Ion Ratio Lower Upper

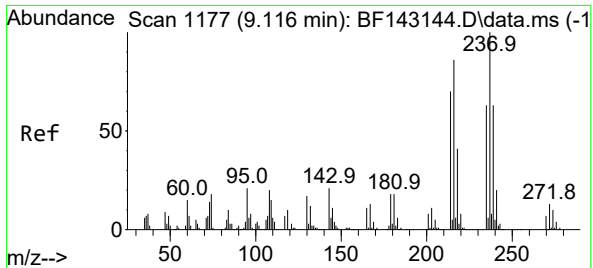
216 100

214 79.8 63.8 95.8

179 21.1 16.4 24.6

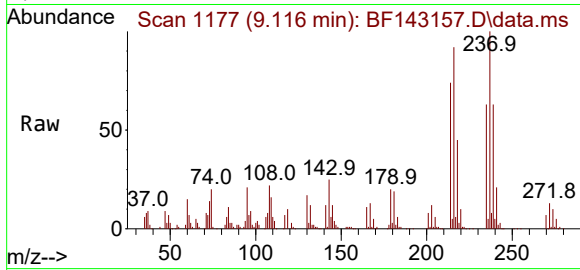
108 20.2 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 40.834 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

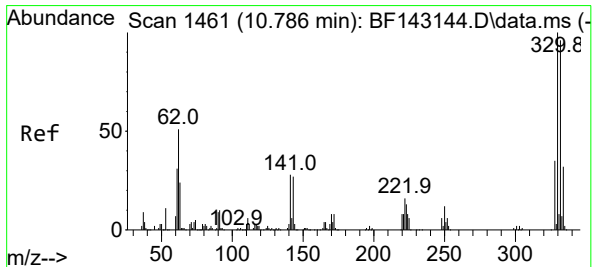
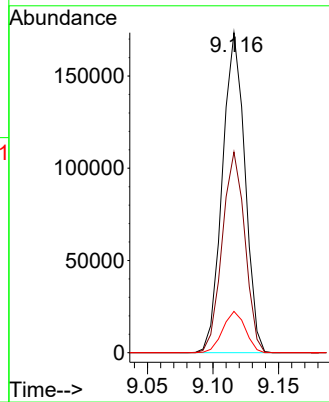
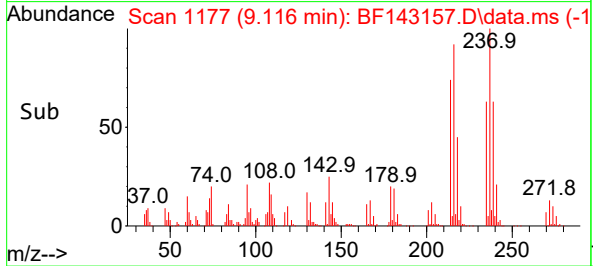
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



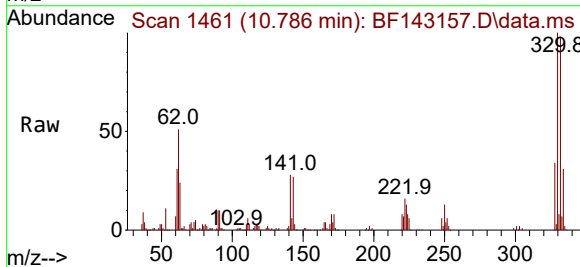
Tgt Ion:237 Resp: 20686
Ion Ratio Lower Upper
237 100
235 62.7 43.0 83.0
272 12.9 0.0 33.3

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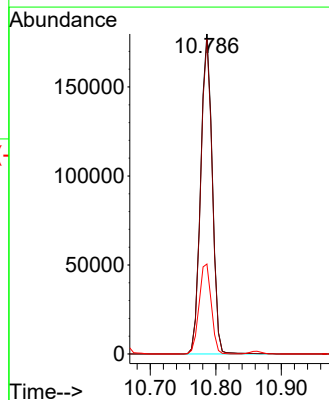
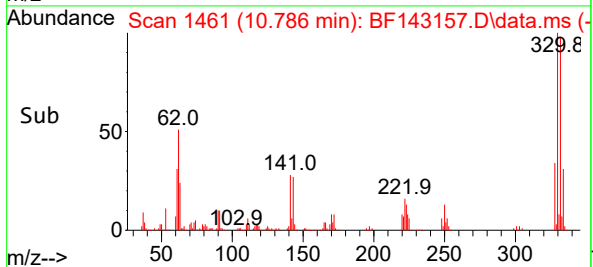
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

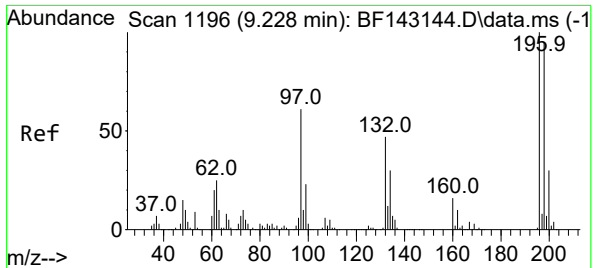


#42
2,4,6-Tribromophenol
Concen: 79.508 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



Tgt Ion:330 Resp: 221500
Ion Ratio Lower Upper
330 100
332 97.9 76.7 115.1
141 29.5 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 38.954 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143157.D

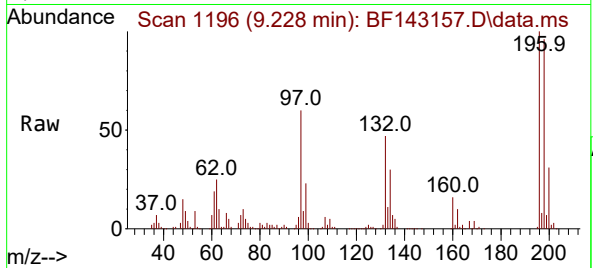
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion:196 Resp: 209902

Ion Ratio Lower Upper

196 100

198 96.1 76.2 114.2

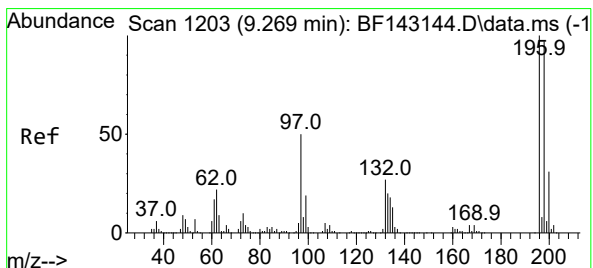
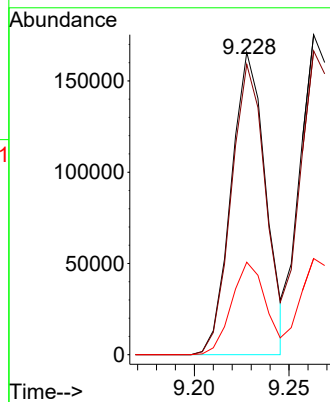
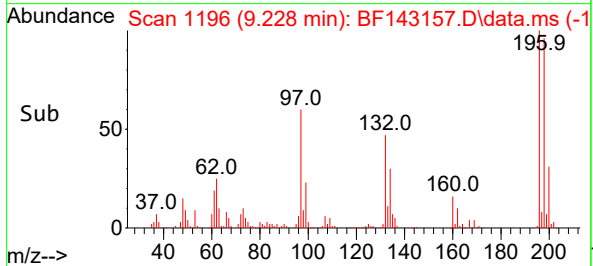
200 30.6 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

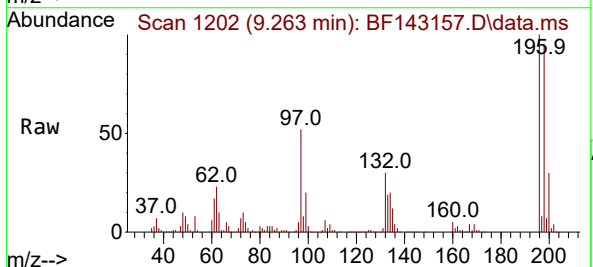
Concen: 40.808 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37



Tgt Ion:196 Resp: 219957

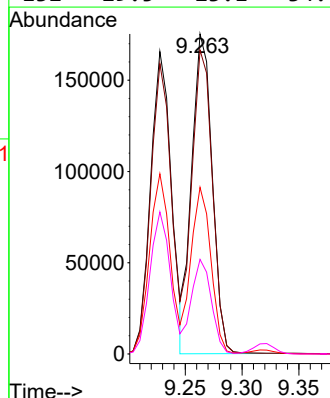
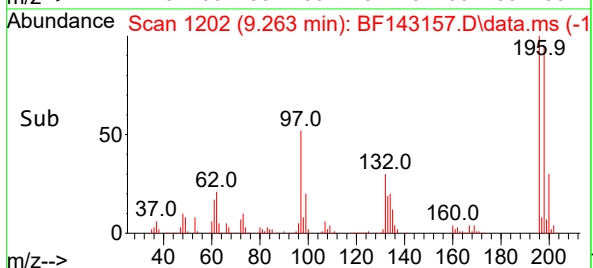
Ion Ratio Lower Upper

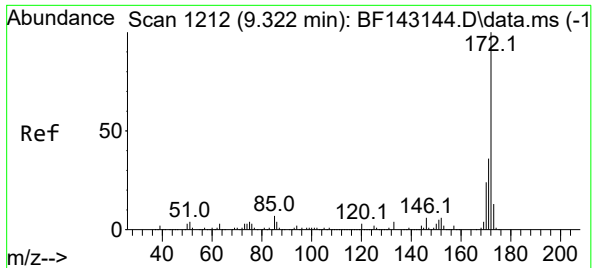
196 100

198 94.9 77.3 115.9

97 52.1 40.3 60.5

132 29.5 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 77.029 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:172 Resp: 1518879

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

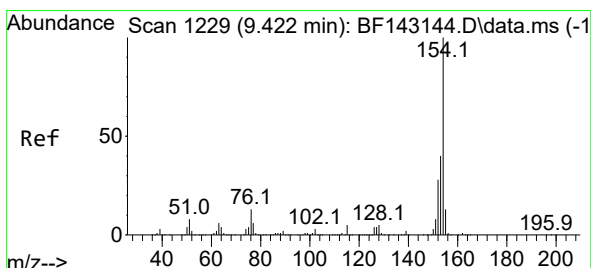
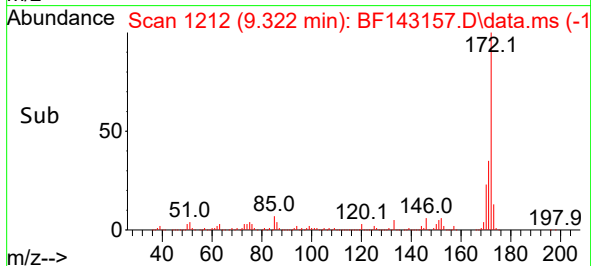
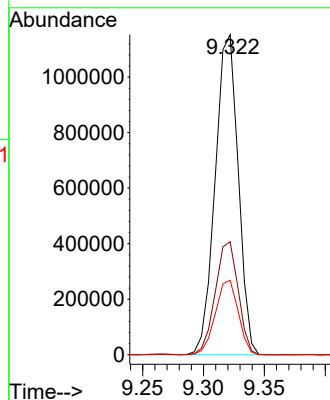
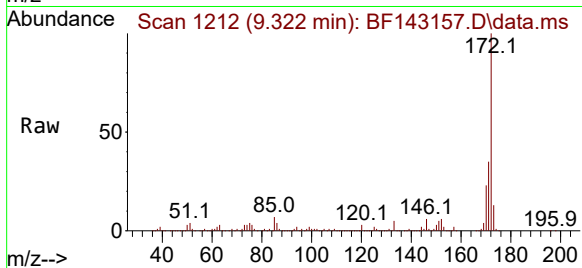
170 23.3 18.8 28.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 39.502 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

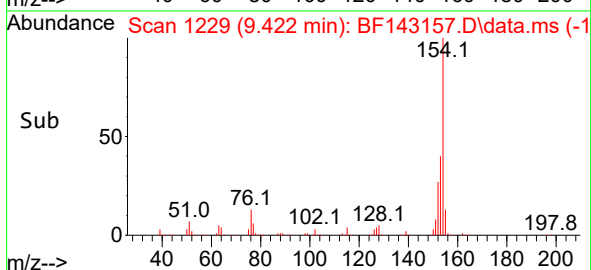
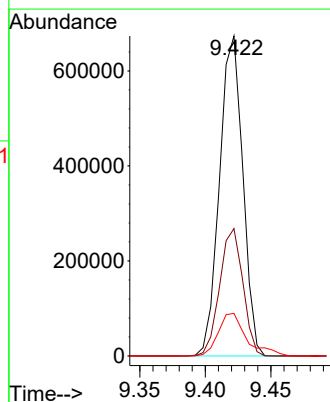
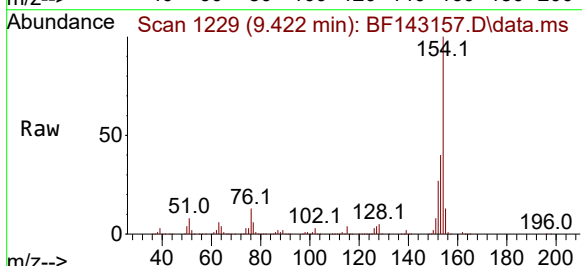
Tgt Ion:154 Resp: 831115

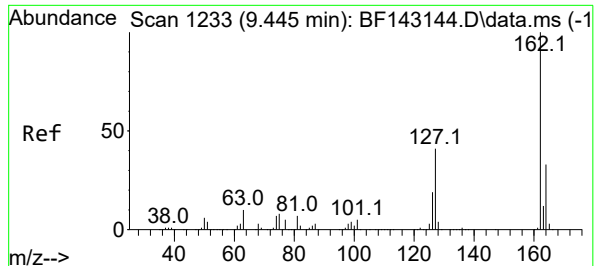
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 13.3 0.0 33.3





#47

2-Chloronaphthalene

Concen: 38.970 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143157.D

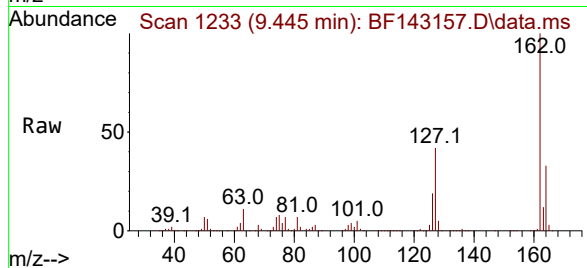
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion:162 Resp: 60668

Ion Ratio Lower Upper

162 100

127 41.7 33.4 50.2

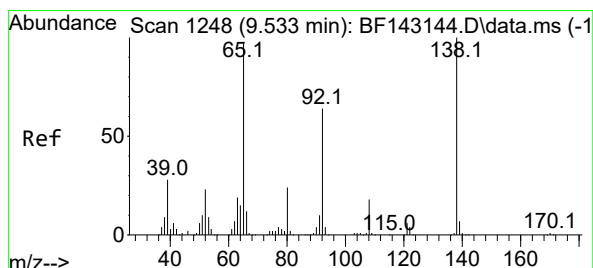
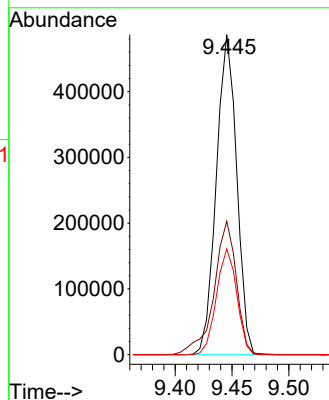
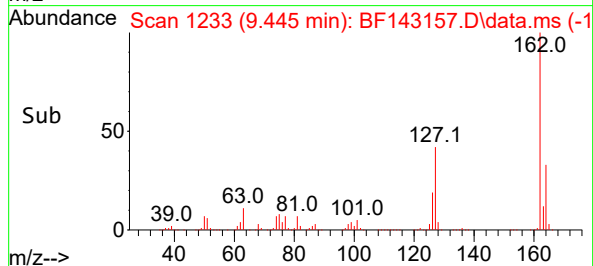
164 33.1 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

Concen: 42.151 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

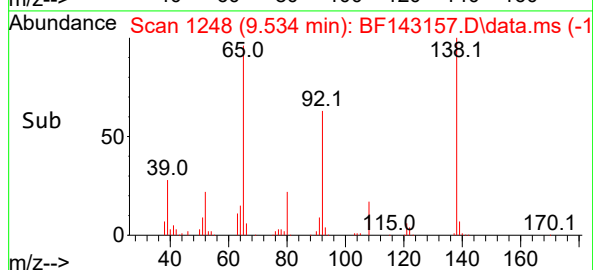
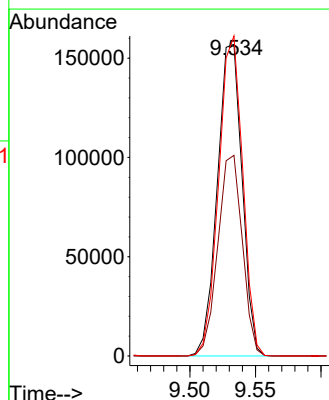
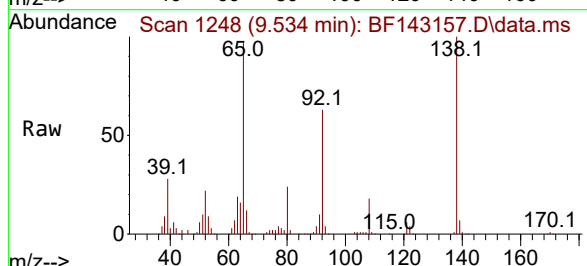
Tgt Ion: 65 Resp: 205784

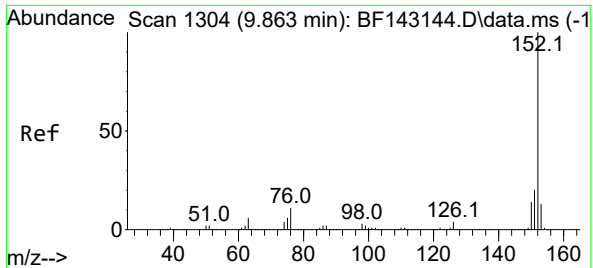
Ion Ratio Lower Upper

65 100

92 64.3 52.4 78.6

138 102.6 82.3 123.5





#49

Acenaphthylene

Concen: 39.148 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143157.D

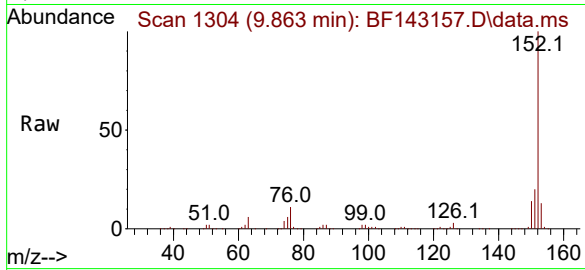
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion:152 Resp: 102136

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

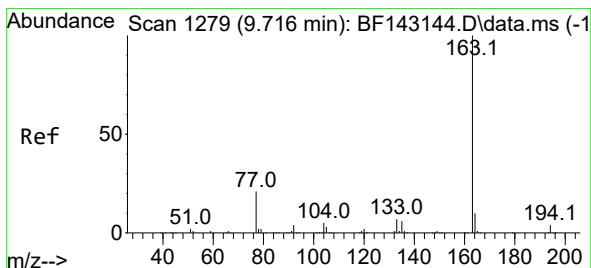
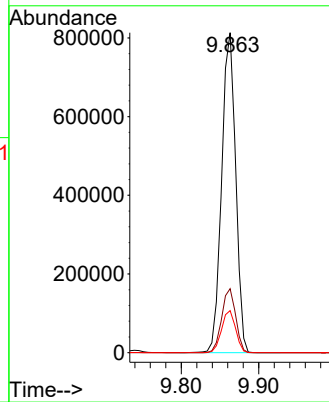
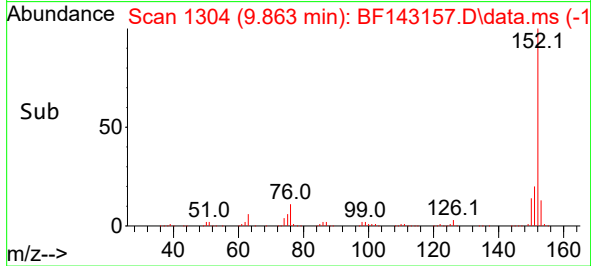
153 13.1 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

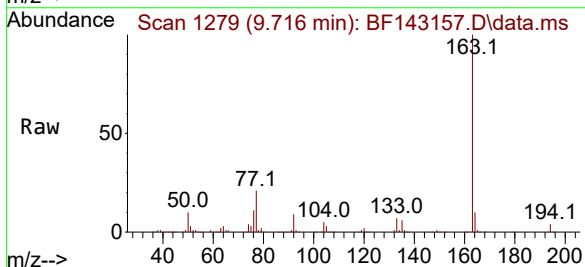
Concen: 39.347 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37



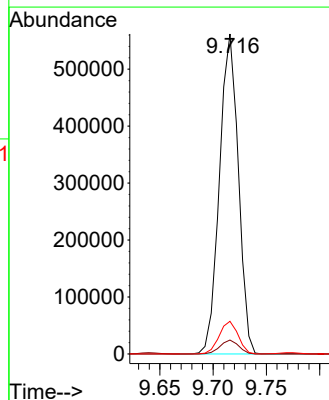
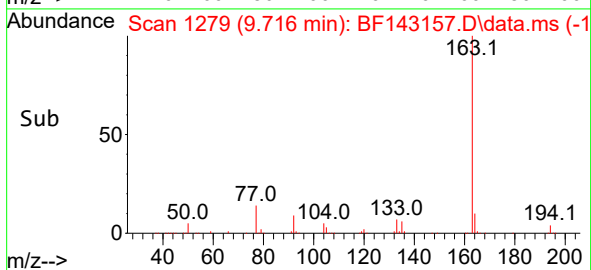
Tgt Ion:163 Resp: 691652

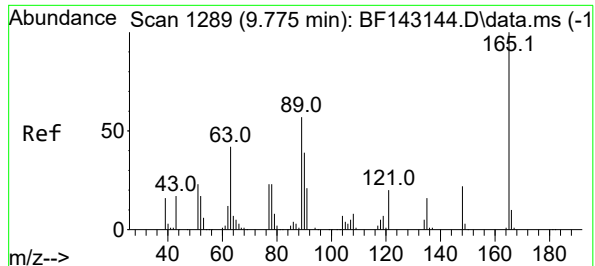
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

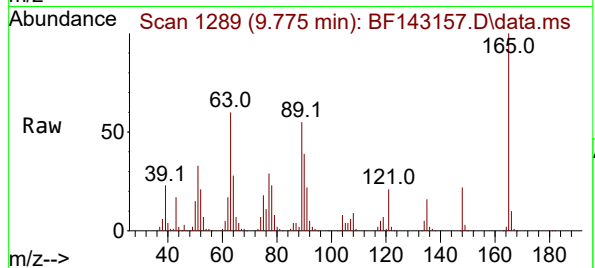
164 10.2 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 42.067 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

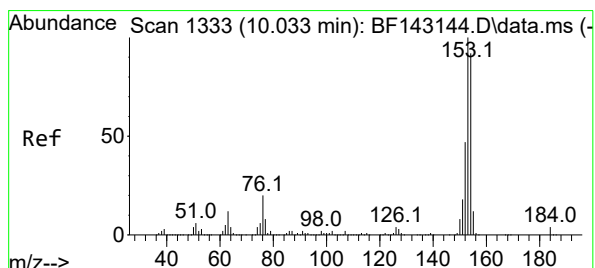
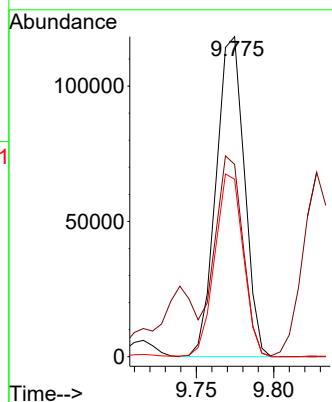
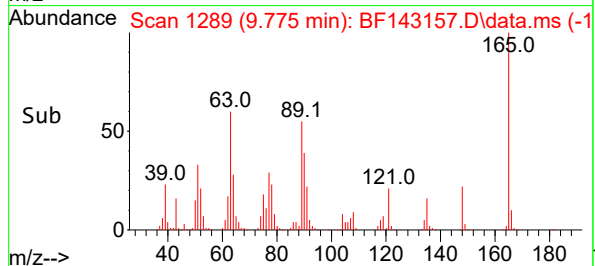
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:165 Resp: 150428
Ion Ratio Lower Upper
165 100
63 60.1 49.4 74.2
89 55.5 46.2 69.2

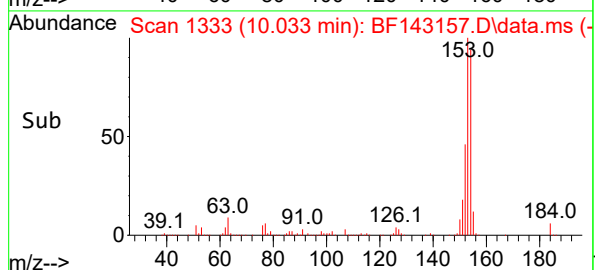
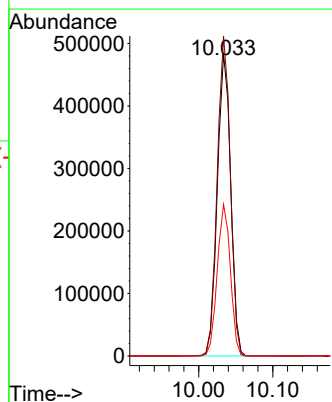
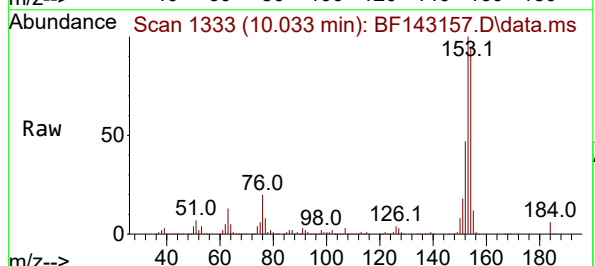
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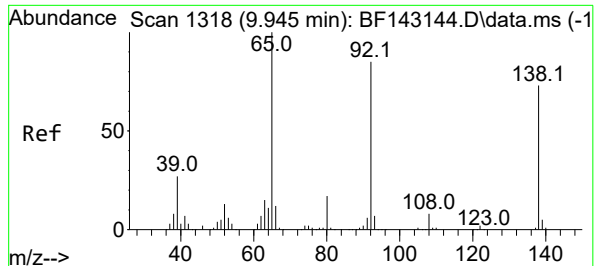
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 39.237 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:154 Resp: 605034
Ion Ratio Lower Upper
154 100
153 106.0 86.6 129.8
152 50.2 40.4 60.6





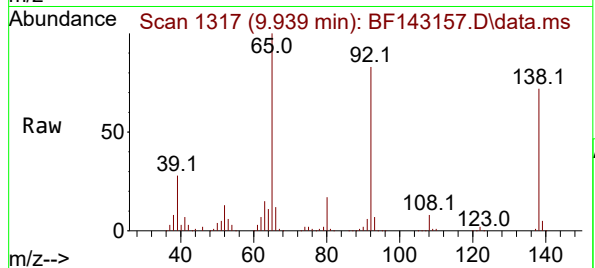
#53
3-Nitroaniline
Concen: 40.028 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

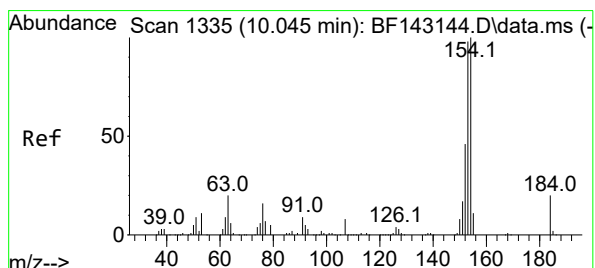
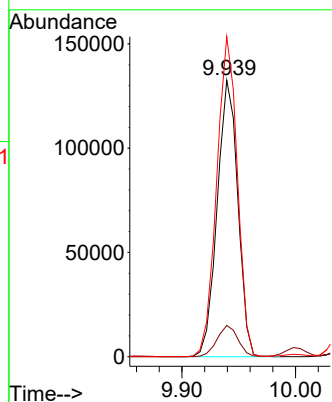
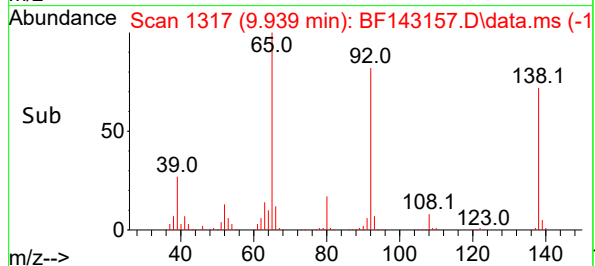


Tgt Ion:138 Resp: 167420
Ion Ratio Lower Upper
138 100
108 11.3 9.0 13.6
92 115.7 93.0 139.4

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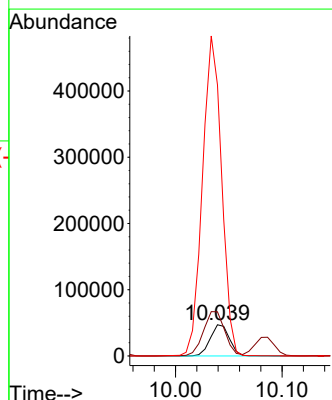
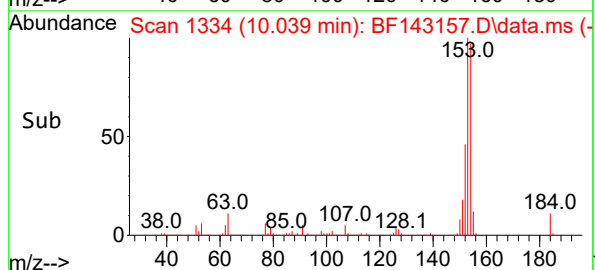
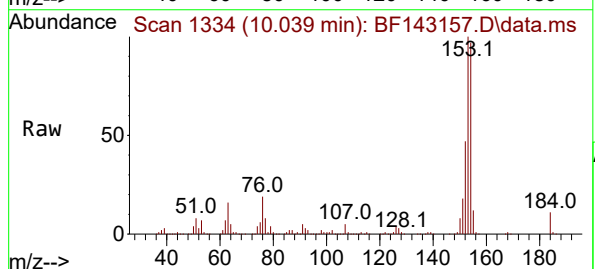
APPROVED

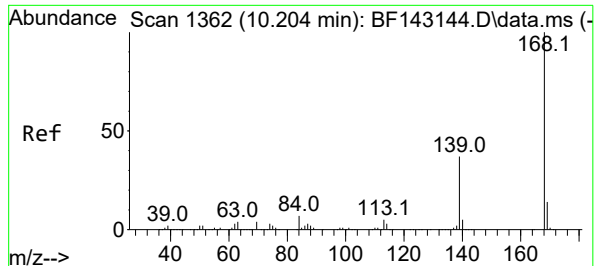
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 39.960 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

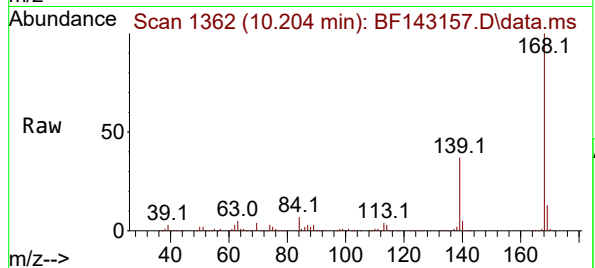
Tgt Ion:184 Resp: 58866
Ion Ratio Lower Upper
184 100
63 141.1 81.8 122.6#
154 866.7 412.2 618.4#





#55
Dibenzenofuran
Concen: 38.841 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

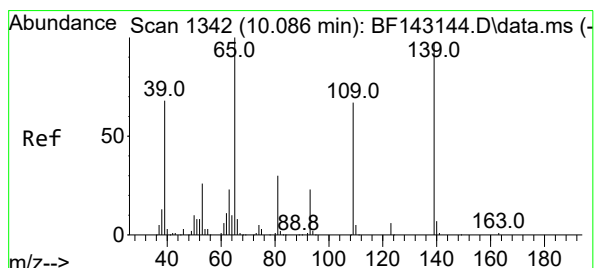
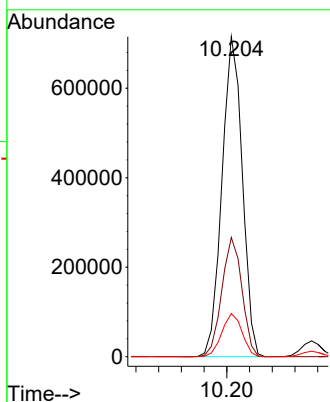
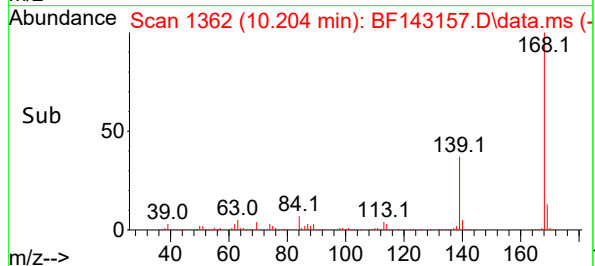
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



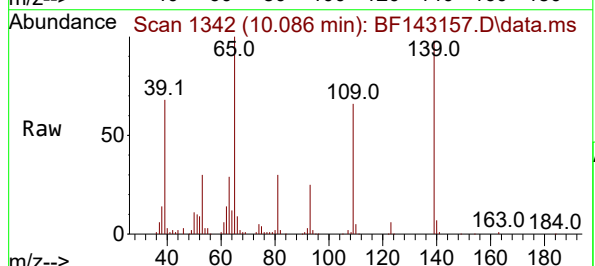
Tgt Ion:168 Resp: 88922
Ion Ratio Lower Upper
168 100
139 37.3 29.5 44.3
169 13.5 10.9 16.3

Manual Integrations
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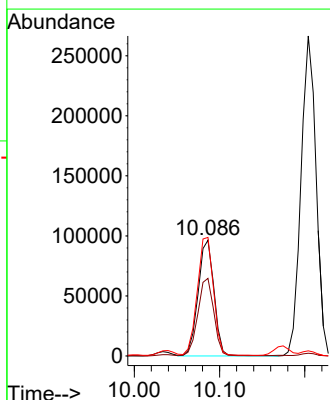
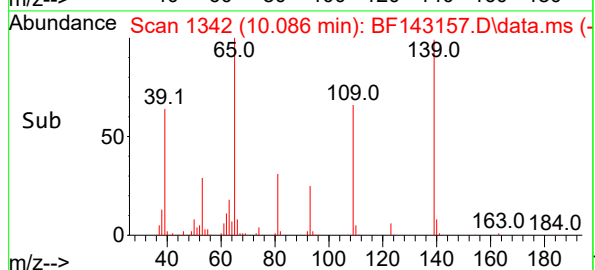
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

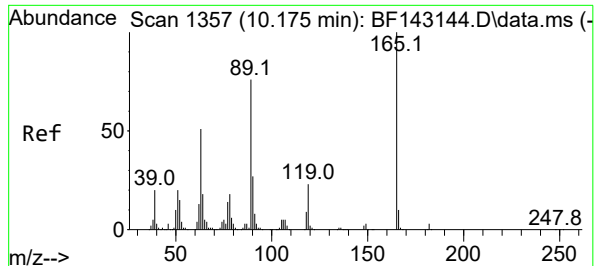


#56
4-Nitrophenol
Concen: 40.040 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



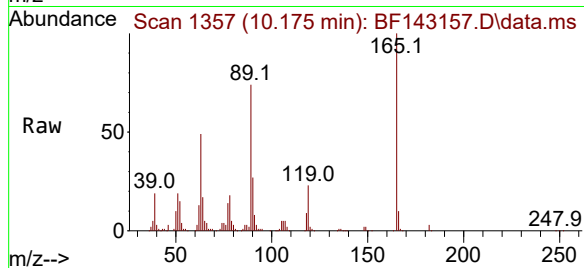
Tgt Ion:139 Resp: 125059
Ion Ratio Lower Upper
139 100
109 67.1 48.5 88.5
65 102.5 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 41.945 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

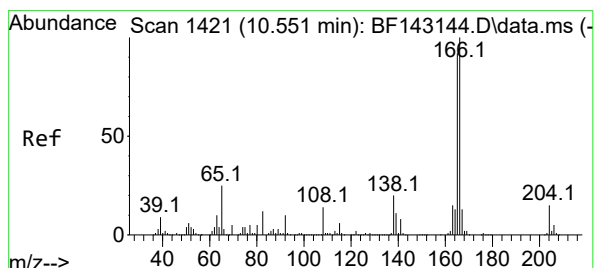
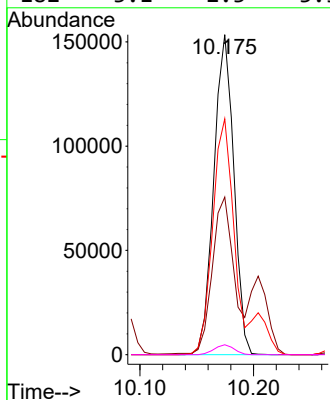
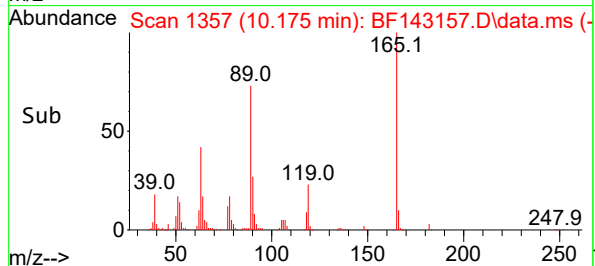
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:165 Resp: 18818
Ion Ratio Lower Upper
165 100
63 49.3 41.0 61.4
89 73.7 61.1 91.7
182 3.1 2.3 3.5

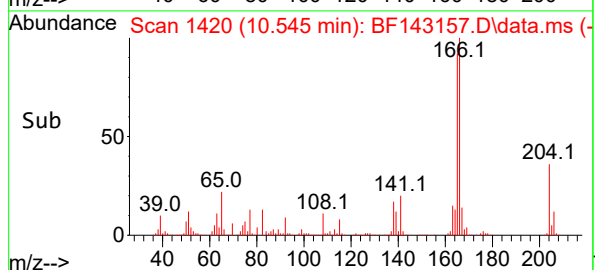
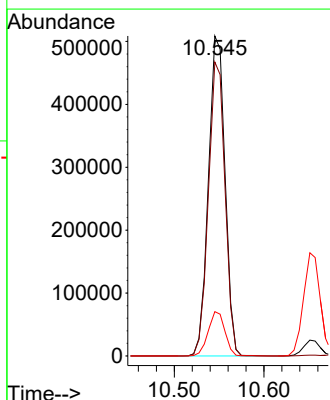
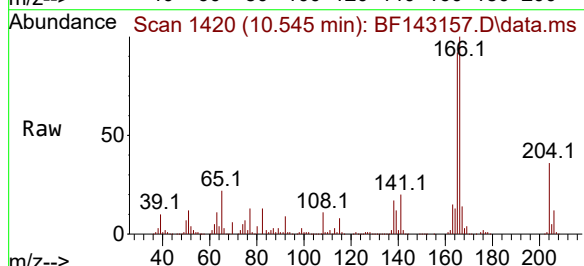
Manual Integrations
APPROVED

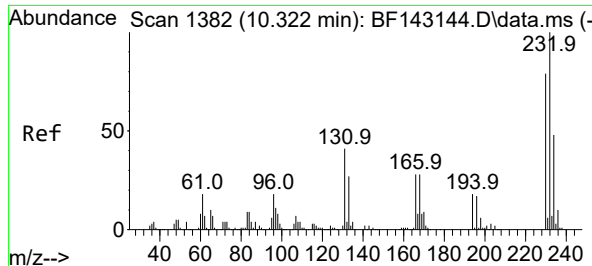
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 38.045 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

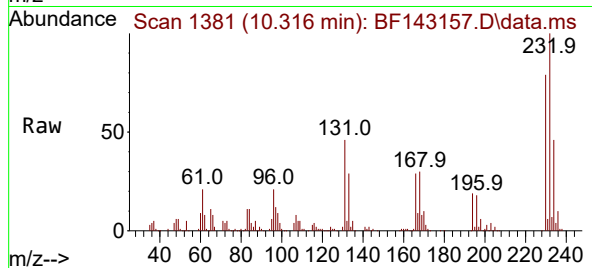
Tgt Ion:166 Resp: 653713
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 13.8 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.875 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

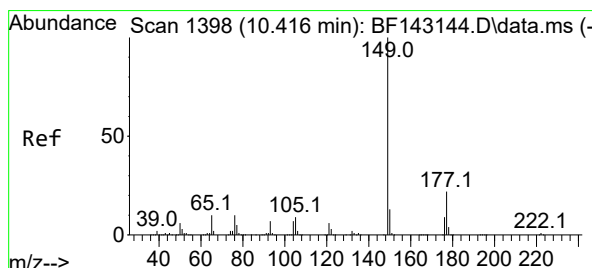
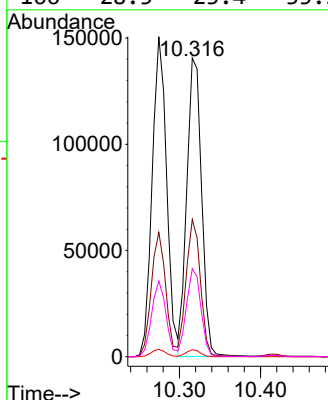
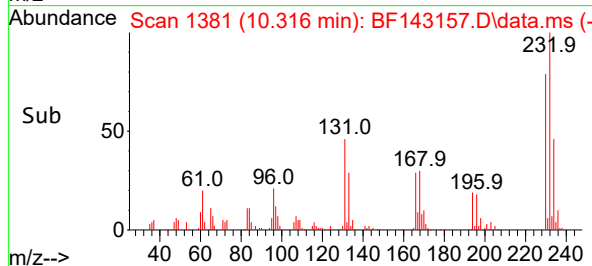
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



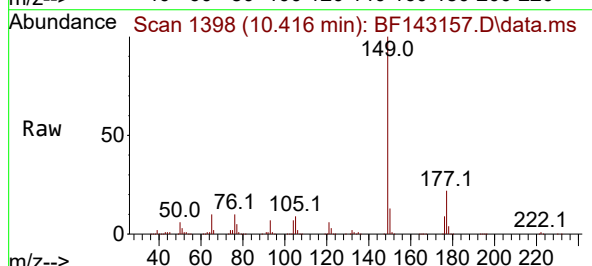
Tgt Ion:232 Resp: 178038
Ion Ratio Lower Upper
232 100
131 44.3 35.3 52.9
130 2.2 1.7 2.5
166 28.5 23.4 35.2

Manual Integrations
APPROVED

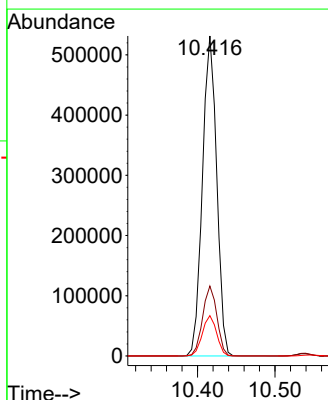
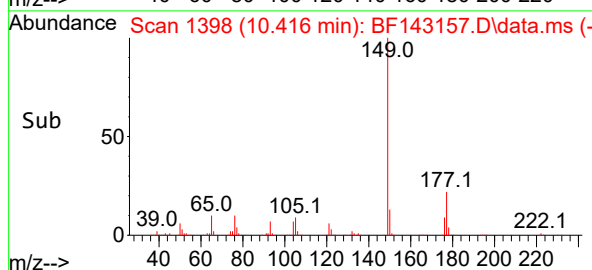
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

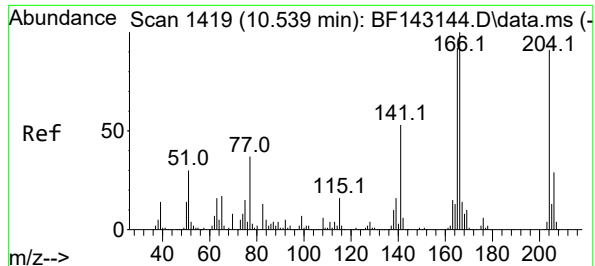


#60
Diethylphthalate
Concen: 39.088 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



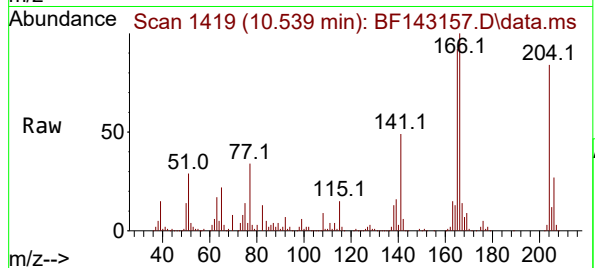
Tgt Ion:149 Resp: 679129
Ion Ratio Lower Upper
149 100
177 21.8 17.5 26.3
150 12.6 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 38.975 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

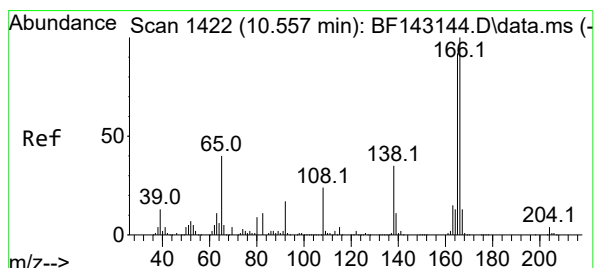
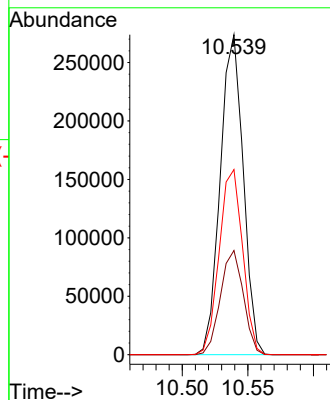
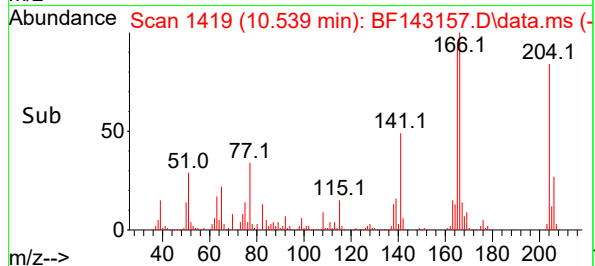
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



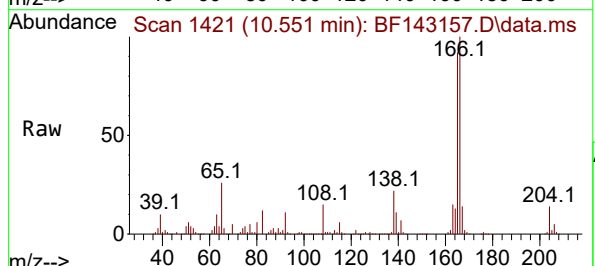
Tgt Ion:204 Resp: 33346
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.8
141 57.8 47.0 70.4

Manual Integrations
APPROVED

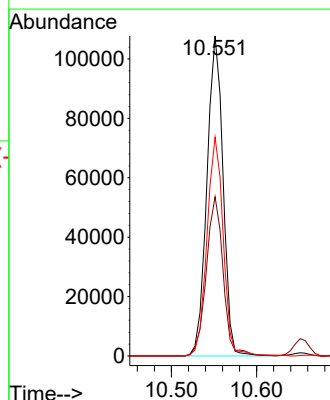
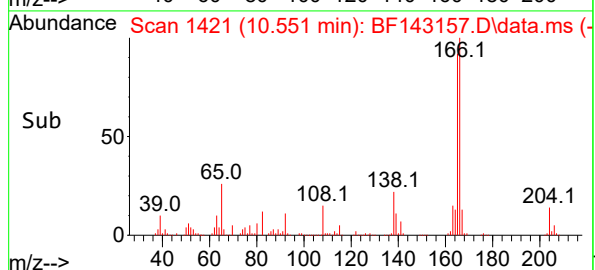
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

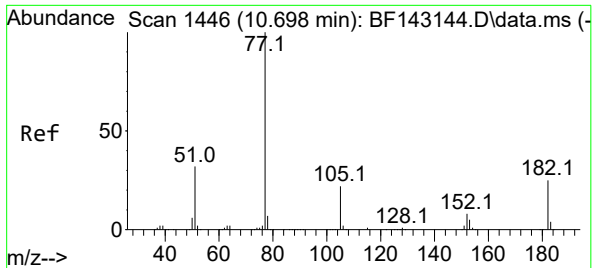


#62
4-Nitroaniline
Concen: 39.478 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



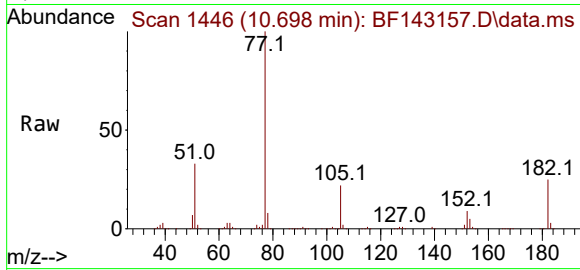
Tgt Ion:138 Resp: 141515
Ion Ratio Lower Upper
138 100
92 49.7 29.3 69.3
108 68.4 48.3 88.3





#63
Azobenzene
Concen: 38.986 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

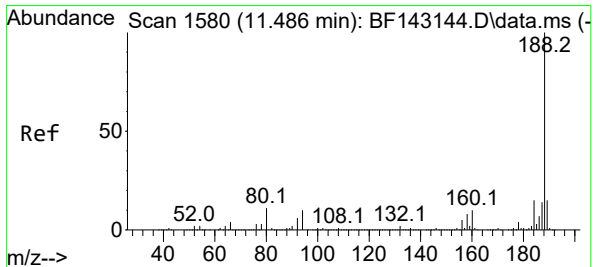
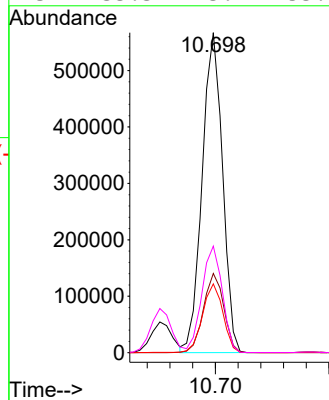
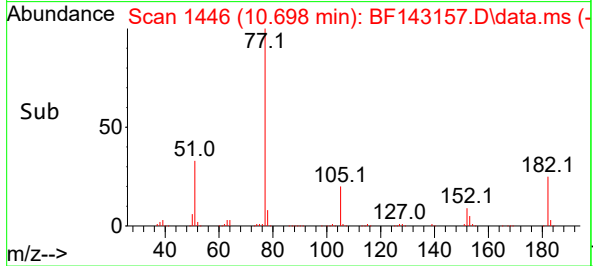
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



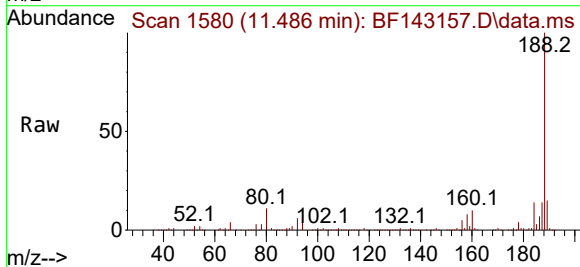
Tgt Ion: 77 Resp: 70594
Ion Ratio Lower Upper
77 100
182 24.8 4.6 44.6
105 21.5 1.4 41.4
51 33.3 13.7 53.7

Manual Integrations
APPROVED

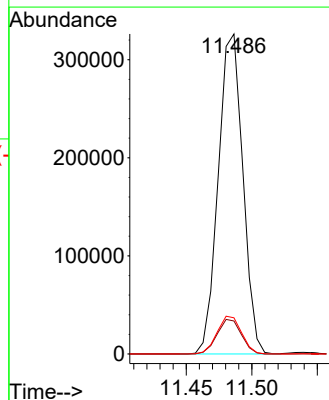
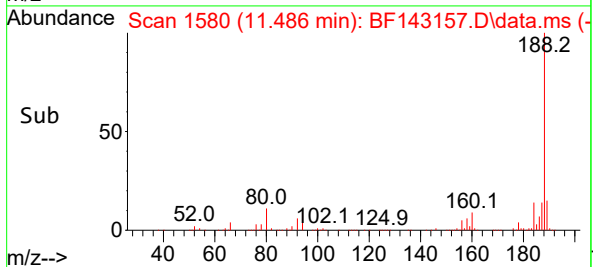
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

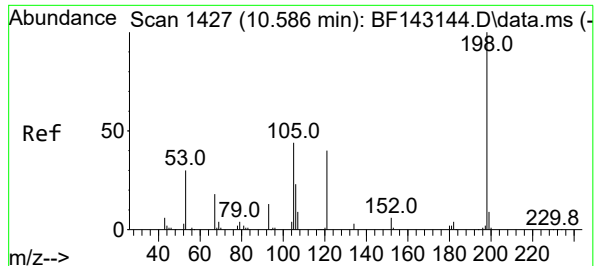


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



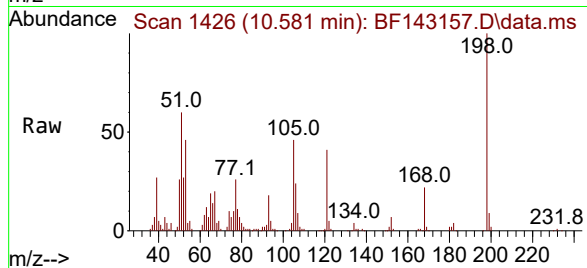
Tgt Ion:188 Resp: 425499
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 11.3 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 40.354 ng
RT: 10.581 min Scan# 1426
Delta R.T. -0.005 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

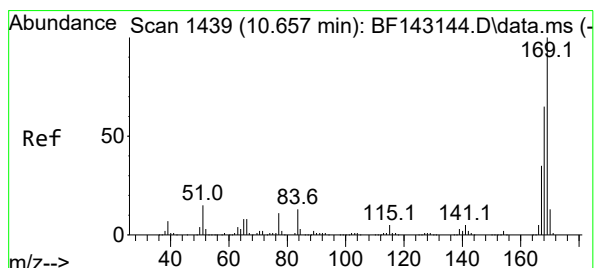
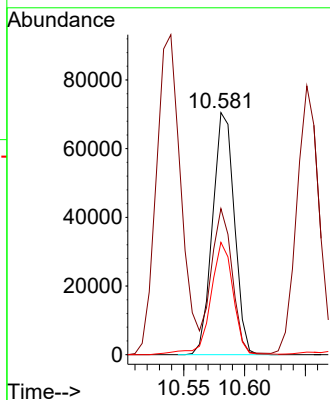
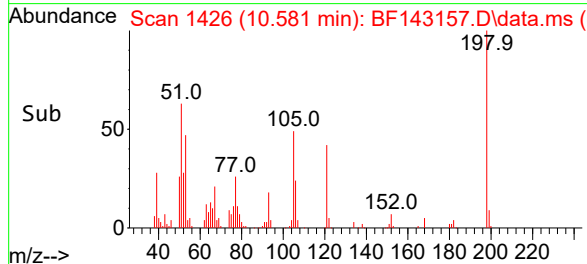
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



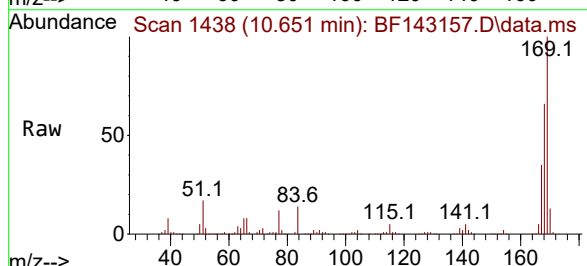
Tgt Ion:198 Resp: 87840
Ion Ratio Lower Upper
198 100
51 60.4 37.2 77.2
105 46.4 24.8 64.8

Manual Integrations
APPROVED

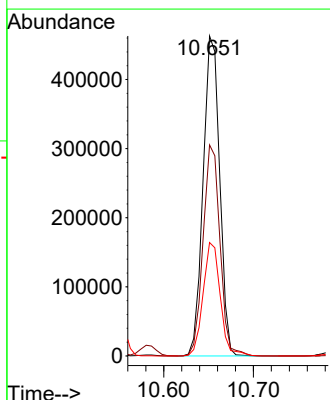
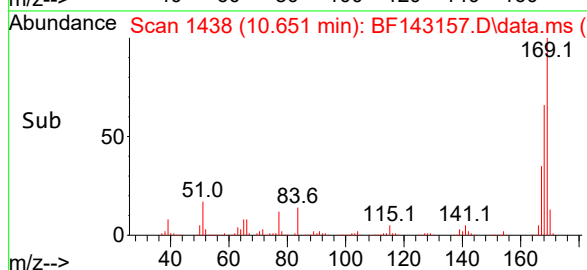
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

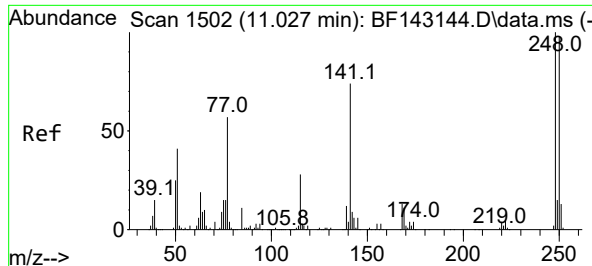


#66
n-Nitrosodiphenylamine
Concen: 39.557 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



Tgt Ion:169 Resp: 592682
Ion Ratio Lower Upper
169 100
168 65.9 52.1 78.1
167 35.5 28.2 42.2





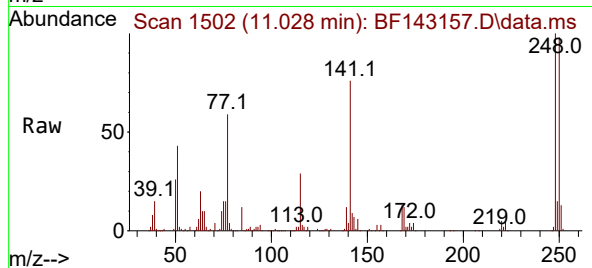
#67
4-Bromophenyl-phenylether
Concen: 39.069 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

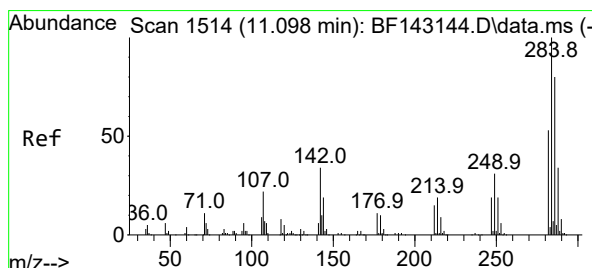
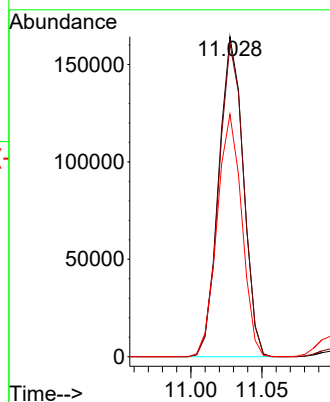
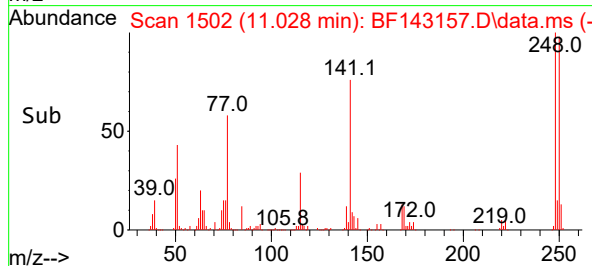


Tgt Ion:248 Resp: 19811
Ion Ratio Lower Upper
248 100
250 97.9 78.3 117.5
141 75.7 59.2 88.8

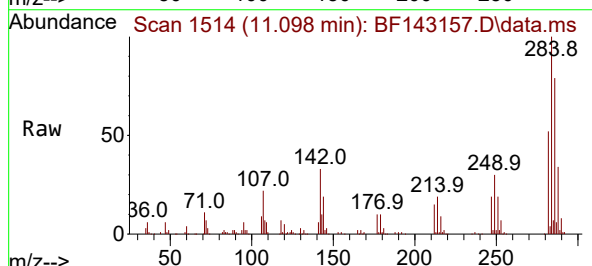
Manual Integrations

APPROVED

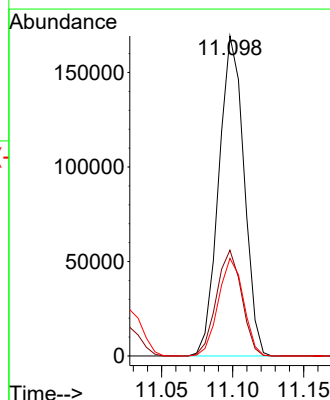
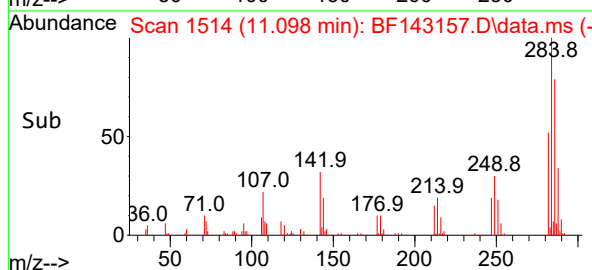
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

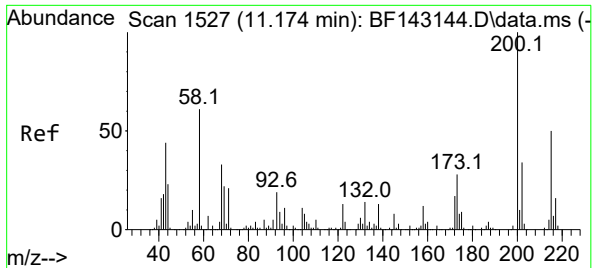


#68
Hexachlorobenzene
Concen: 39.472 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



Tgt Ion:284 Resp: 209203
Ion Ratio Lower Upper
284 100
142 33.1 27.0 40.6
249 30.5 25.0 37.6





#69

Atrazine

Concen: 40.279 ng

RT: 11.175 min Scan# 1527

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:200 Resp: 166380

Ion Ratio Lower Upper

200 100

173 27.3 7.9 47.9

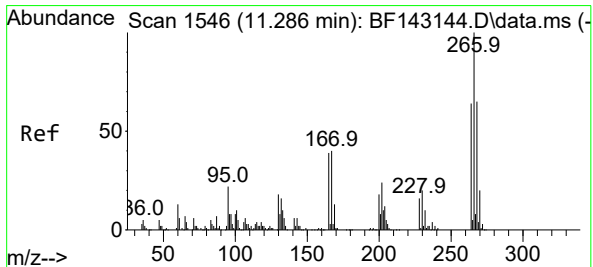
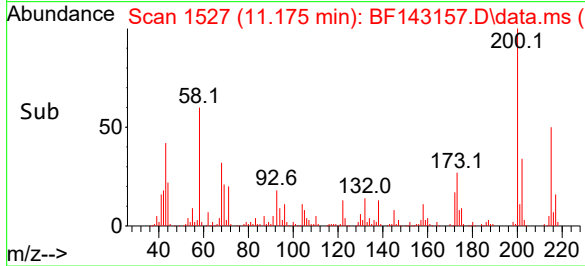
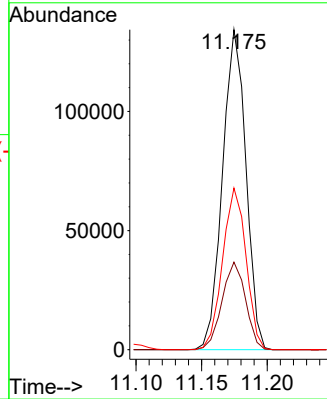
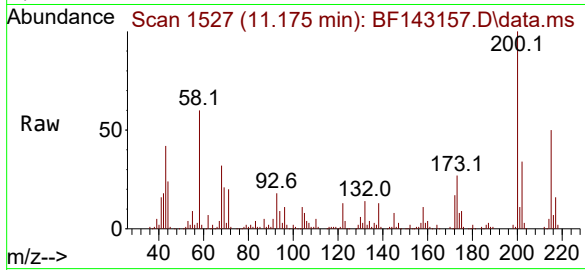
215 50.5 30.1 70.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 41.309 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

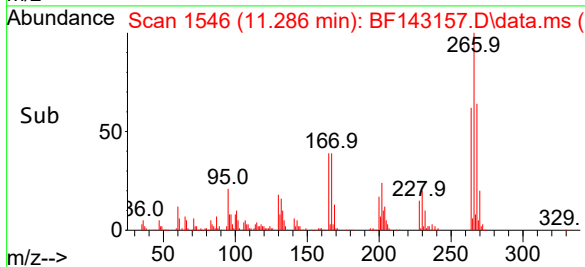
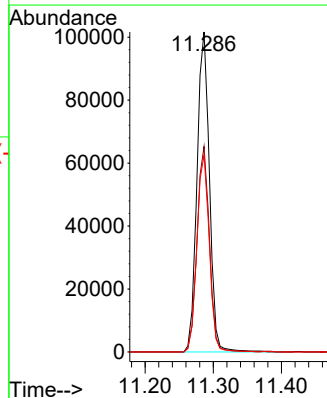
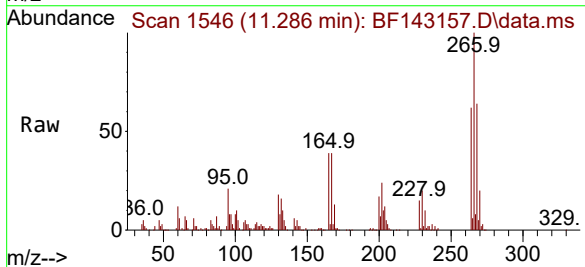
Tgt Ion:266 Resp: 128754

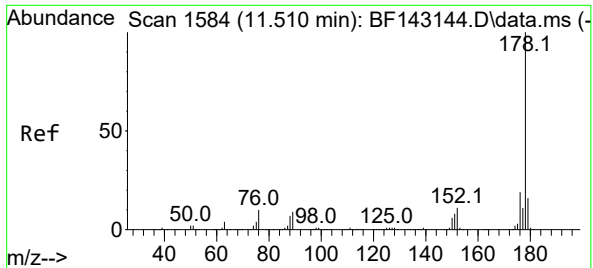
Ion Ratio Lower Upper

266 100

268 64.2 51.9 77.9

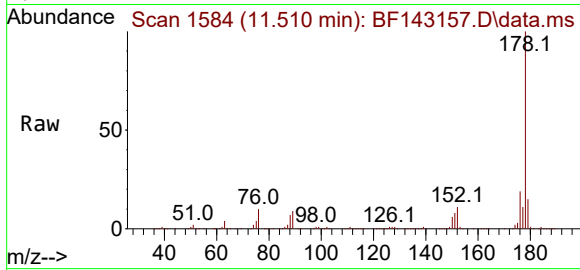
264 61.6 51.0 76.6





#71
Phenanthrene
Concen: 39.066 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

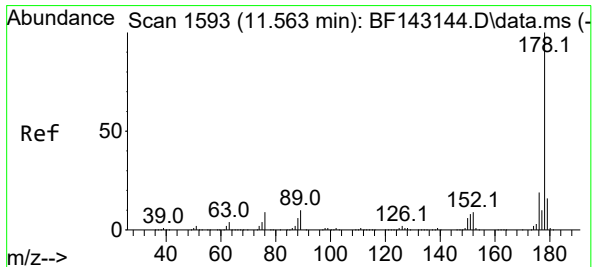
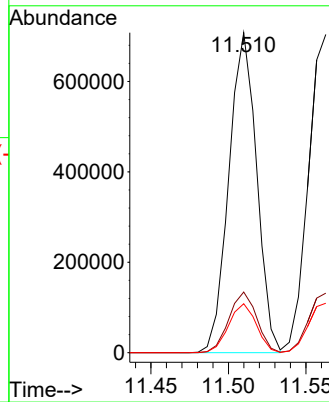
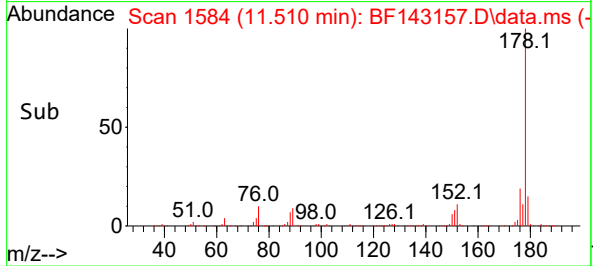
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



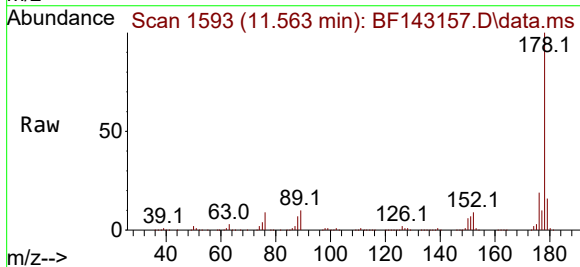
Tgt Ion:178 Resp: 882612
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.3 12.5 18.7

Manual Integrations
APPROVED

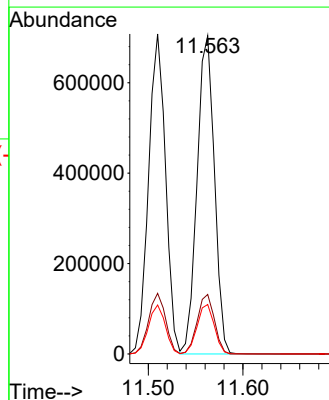
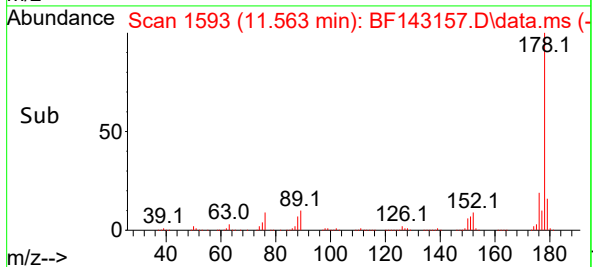
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

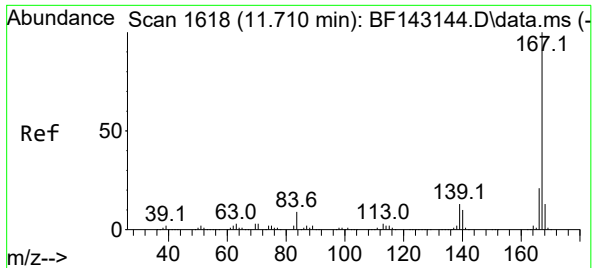


#72
Anthracene
Concen: 38.898 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



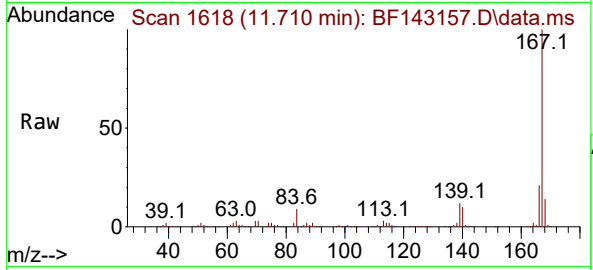
Tgt Ion:178 Resp: 896290
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.5 12.5 18.7





#73
Carbazole
Concen: 39.121 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

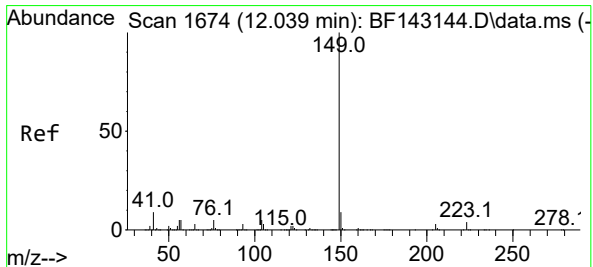
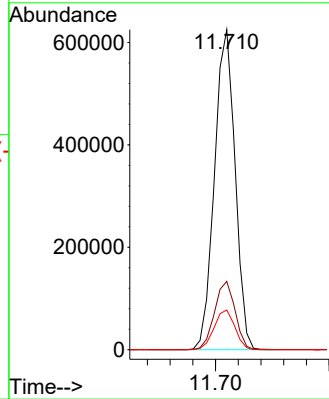
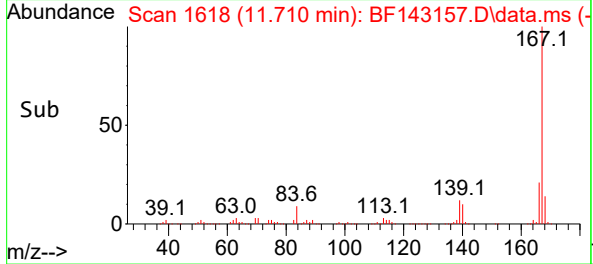
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



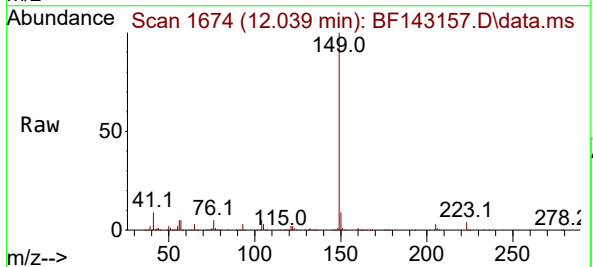
Tgt Ion:167 Resp: 787128
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.6
139 12.4 10.0 15.0

Manual Integrations
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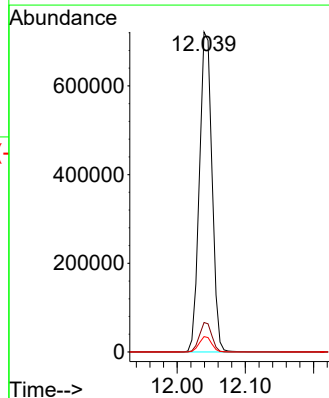
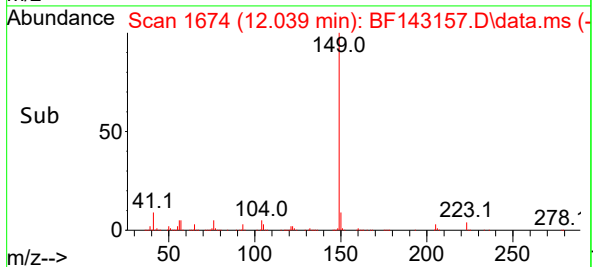
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

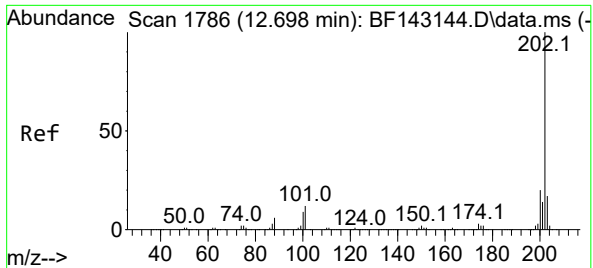


#74
Di-n-butylphthalate
Concen: 40.539 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



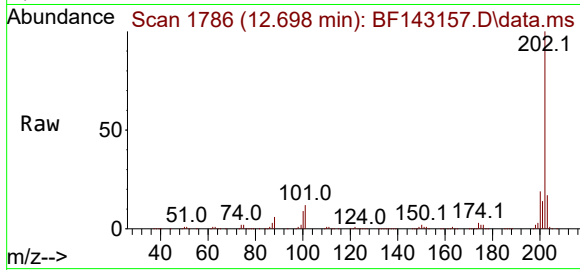
Tgt Ion:149 Resp: 922904
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.8 3.8 5.8





#75
Fluoranthene
Concen: 39.910 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

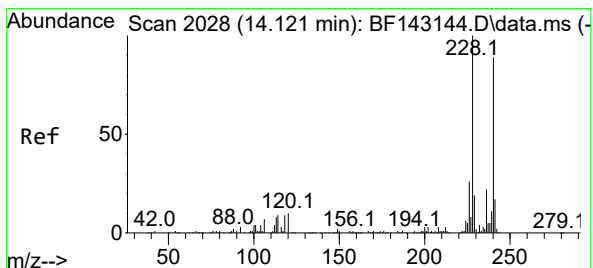
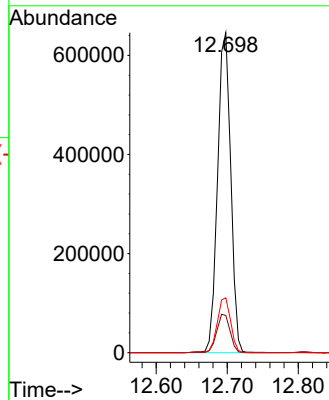
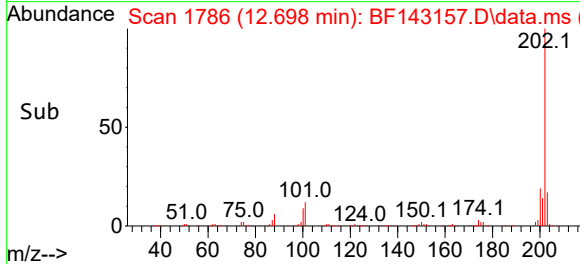
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:202 Resp: 827620
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.2 0.0 37.4

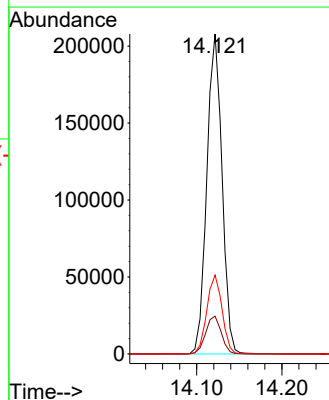
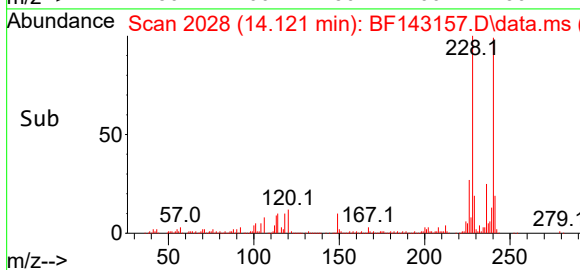
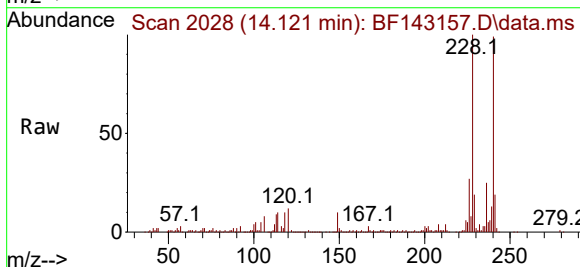
Manual Integrations
APPROVED

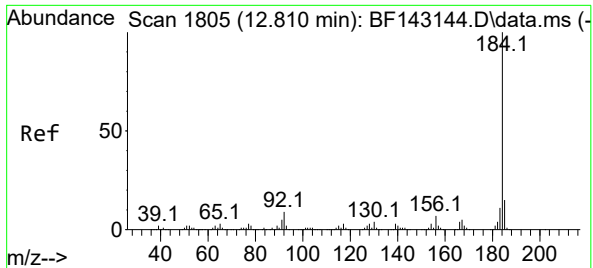
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

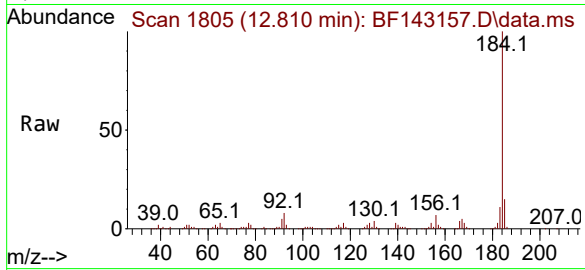
Tgt Ion:240 Resp: 257557
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 24.7 20.2 30.4





#77
Benzidine
Concen: 38.169 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

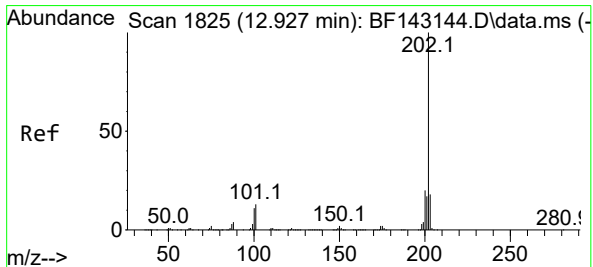
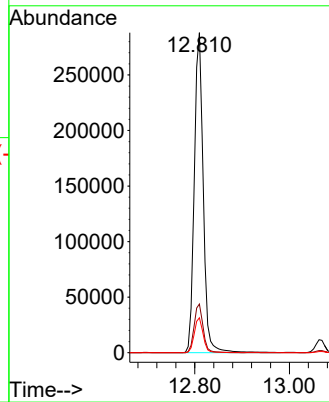
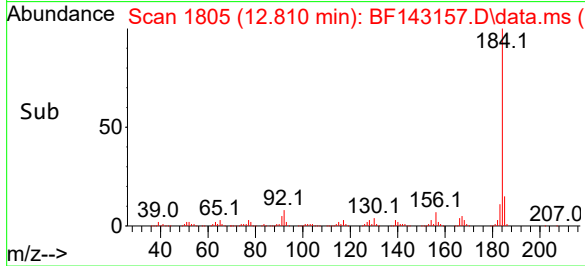
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



Tgt Ion:184 Resp: 37875
Ion Ratio Lower Upper
184 100
185 15.2 12.2 18.4
183 10.9 9.0 13.4

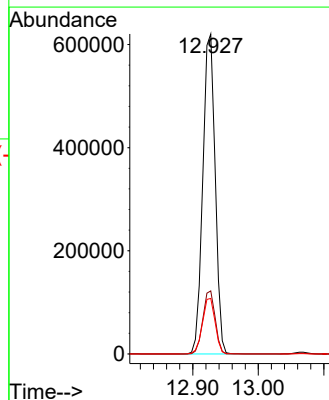
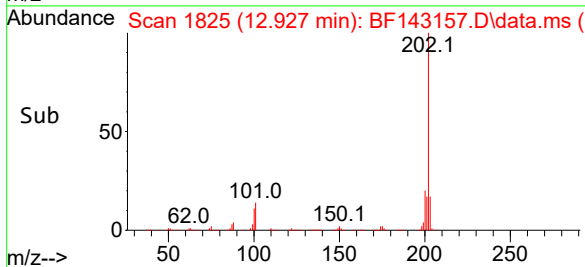
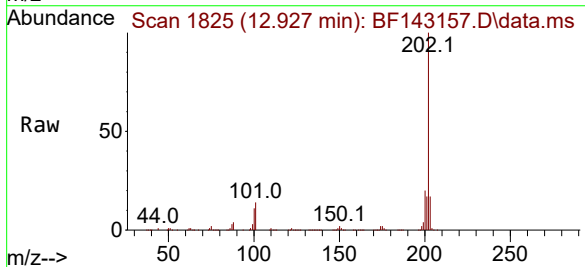
Manual Integrations
APPROVED

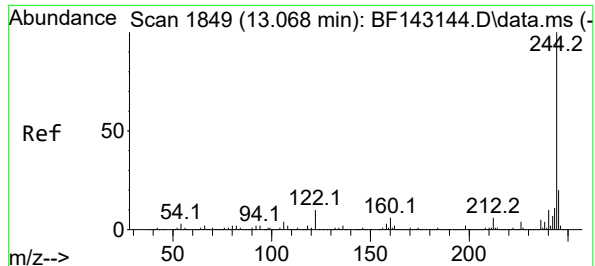
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 37.150 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:202 Resp: 816607
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 17.4 14.2 21.2





#79
Terphenyl-d14
Concen: 73.478 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

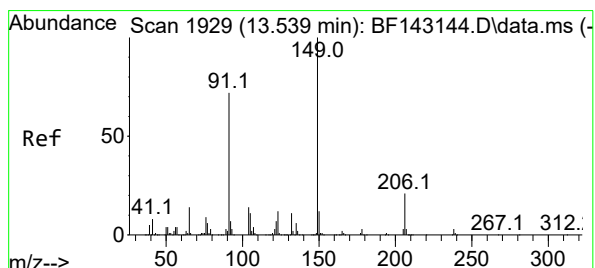
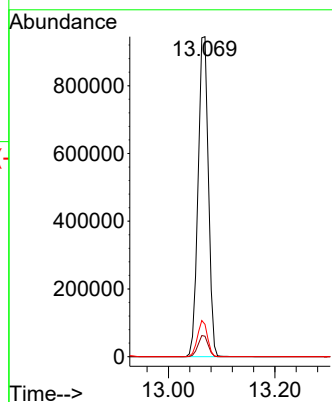
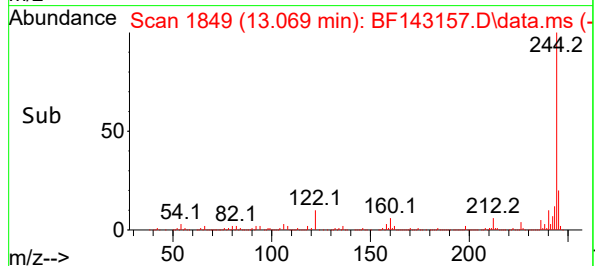
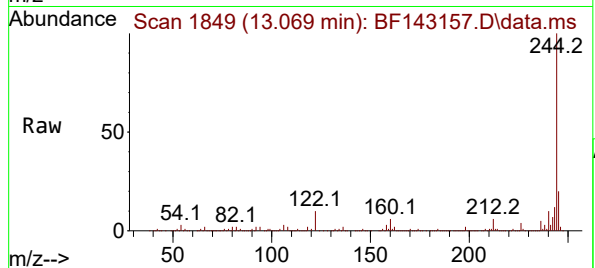
SSTDCCC040EC

Tgt Ion:244 Resp: 1271733
Ion Ratio Lower Upper
244 100
212 6.4 5.2 7.8
122 10.1 8.2 12.2

Manual Integrations

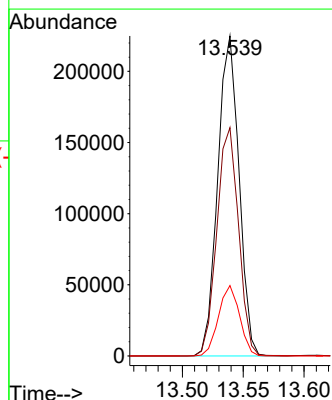
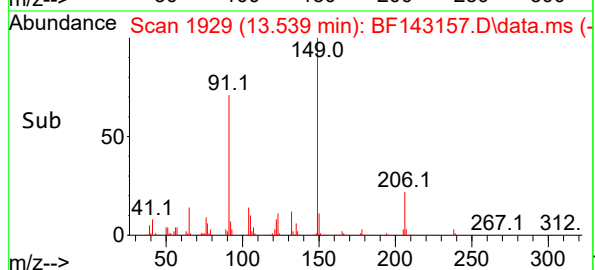
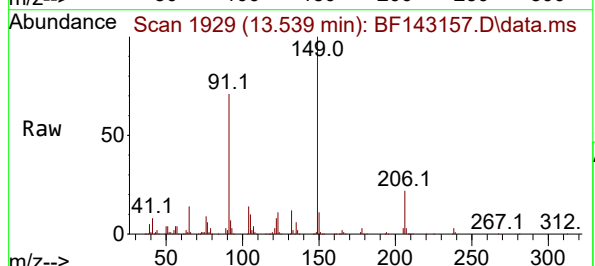
APPROVED

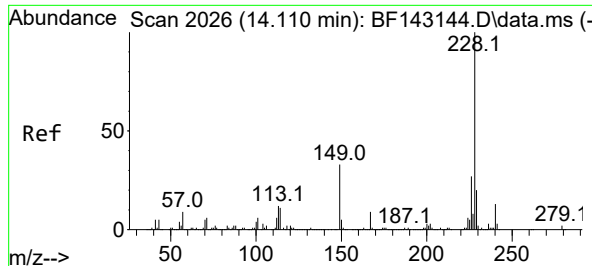
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#80
Butylbenzylphthalate
Concen: 40.736 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 274194
Ion Ratio Lower Upper
149 100
91 71.3 57.9 86.9
206 22.0 17.0 25.4





#81

Benzo(a)anthracene

Concen: 38.779 ng

RT: 14.110 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF143157.D

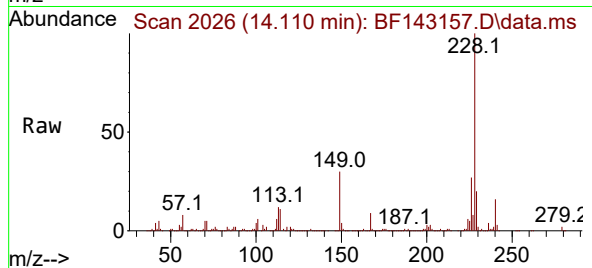
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion:228 Resp: 66869

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

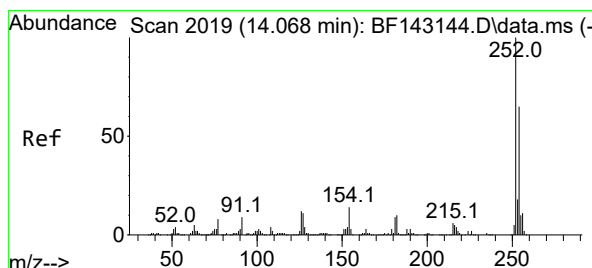
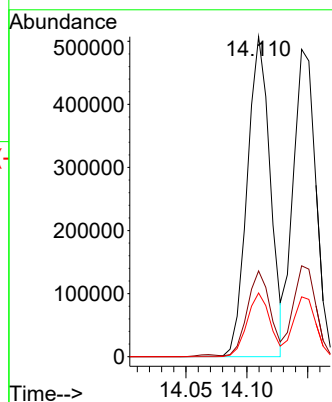
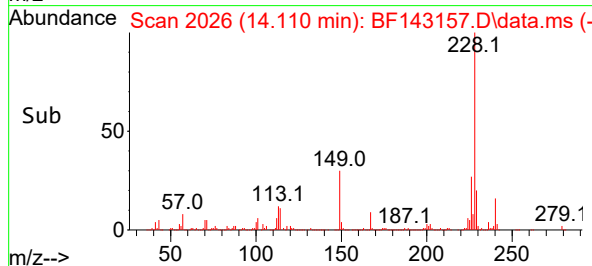
229 19.9 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#82

3,3'-Dichlorobenzidine

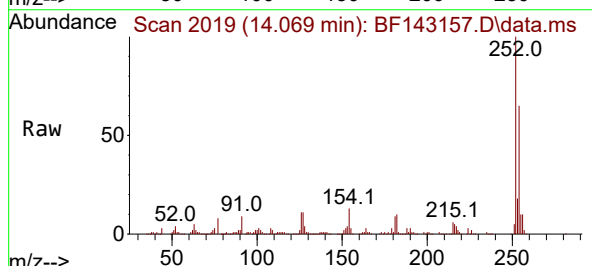
Concen: 39.609 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37



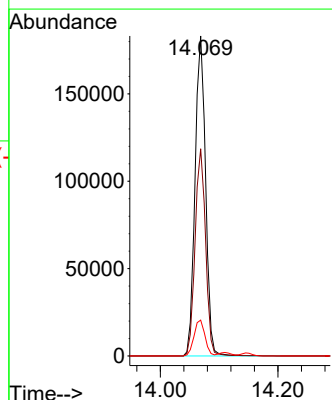
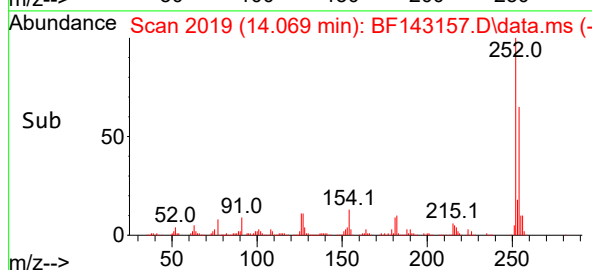
Tgt Ion:252 Resp: 227633

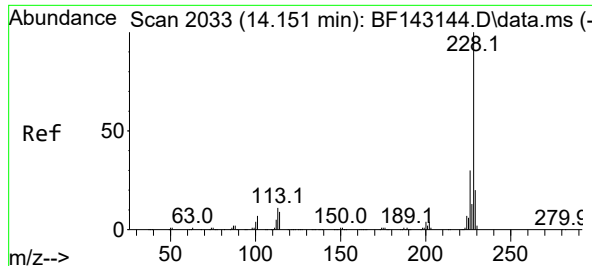
Ion Ratio Lower Upper

252 100

254 64.8 51.7 77.5

126 11.2 9.4 14.0





#83

Chrysene

Concen: 40.721 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:228 Resp: 631314

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

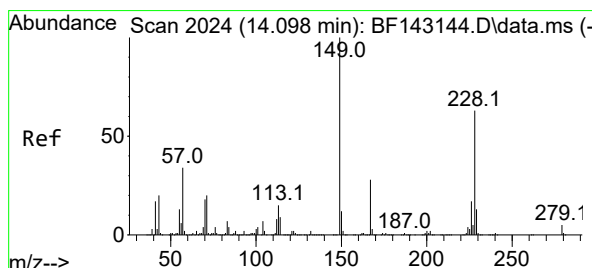
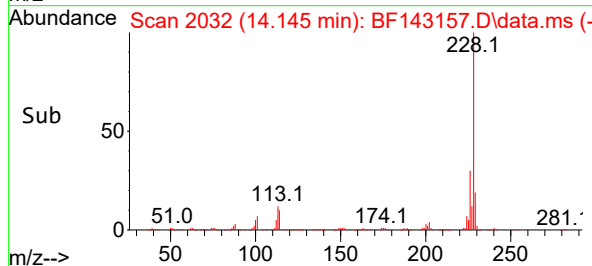
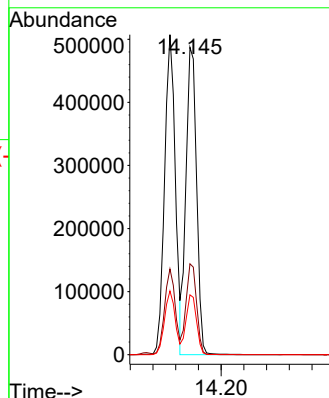
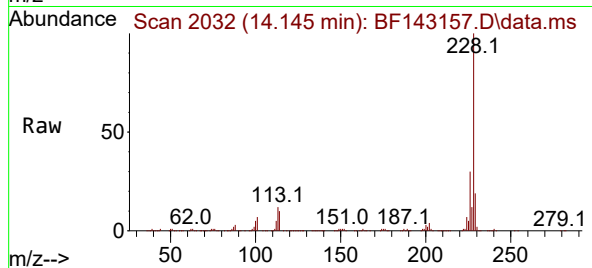
229 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.499 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

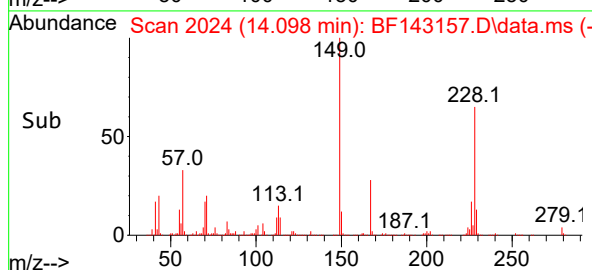
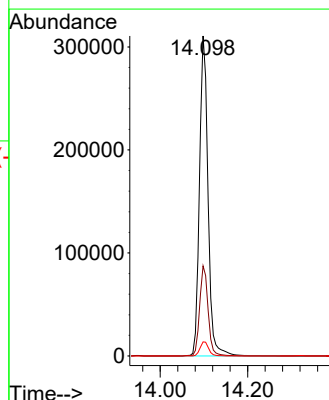
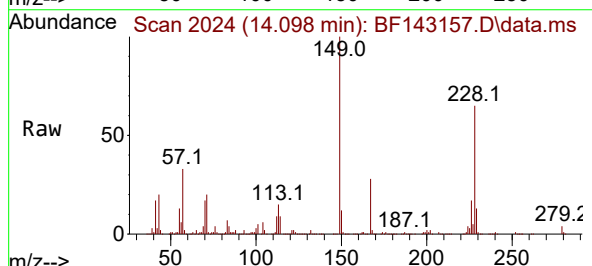
Tgt Ion:149 Resp: 422788

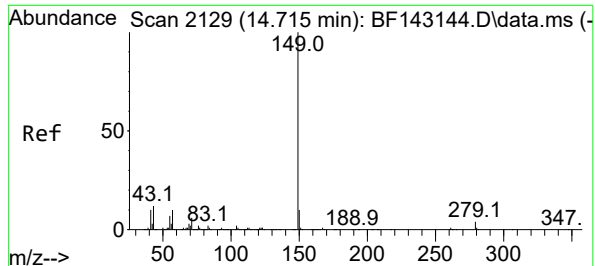
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

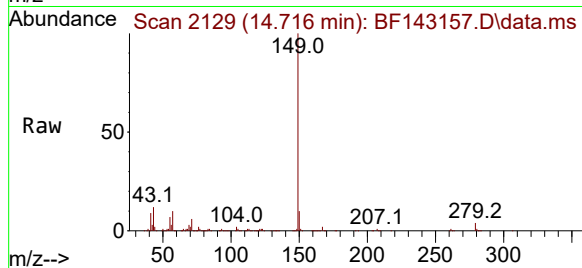
279 4.4 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 39.529 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

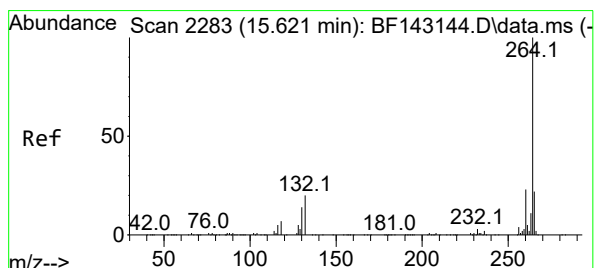
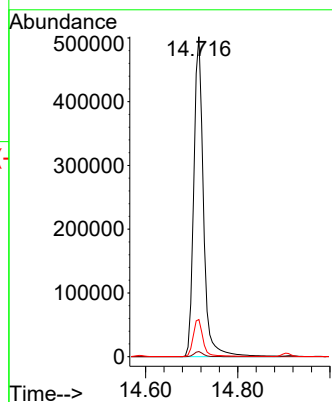
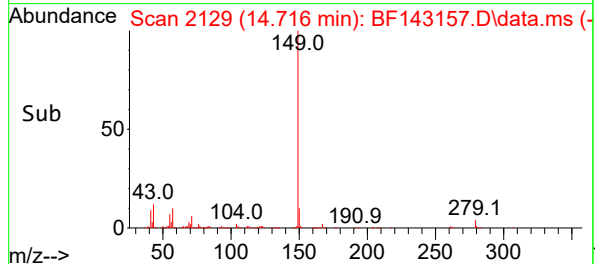
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC



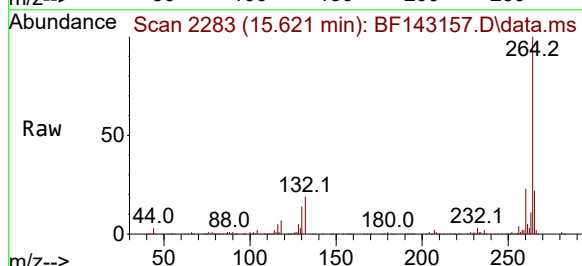
Tgt Ion:149 Resp: 729985
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.0 9.7 14.5

Manual Integrations
APPROVED

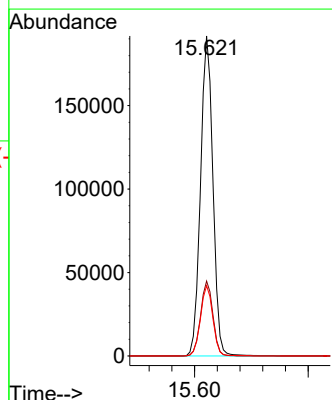
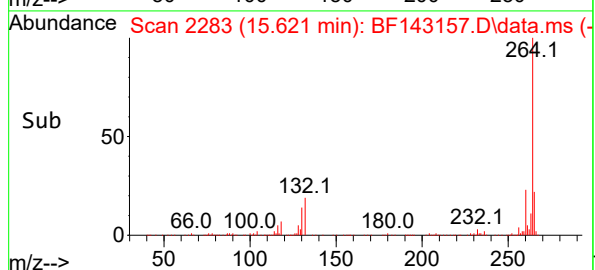
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

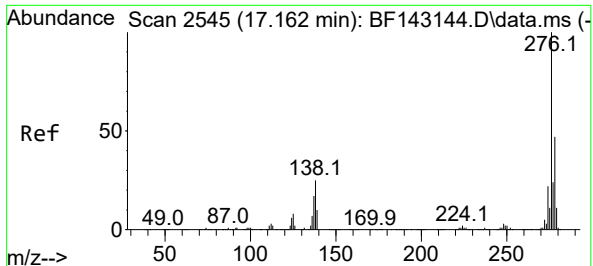


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



Tgt Ion:264 Resp: 290483
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 22.0 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.776 ng

RT: 17.157 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143157.D

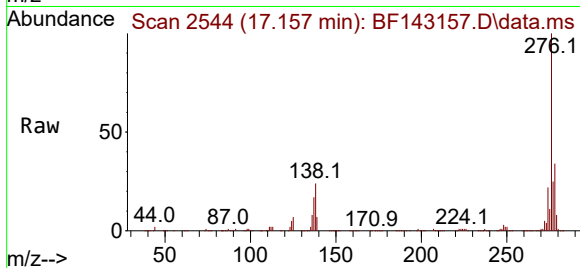
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



Tgt Ion:276 Resp: 814730

Ion Ratio Lower Upper

276 100

138 27.0 21.8 32.6

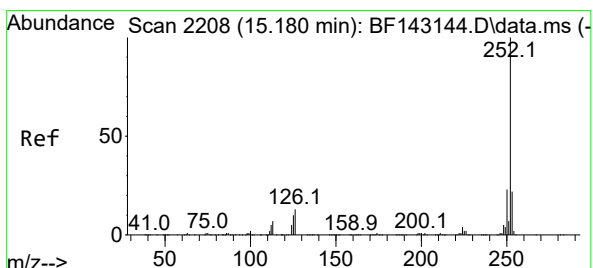
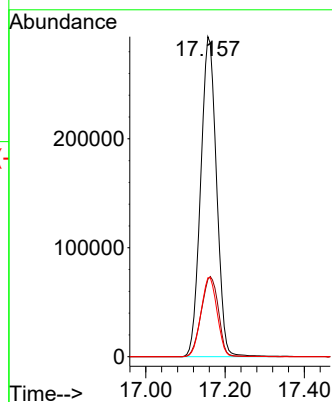
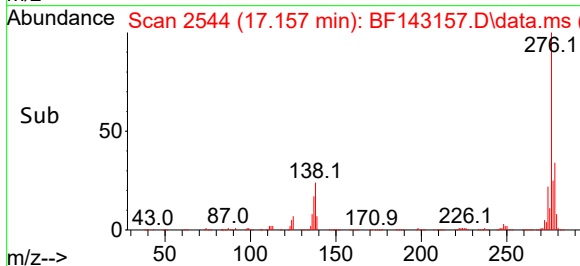
277 25.3 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#88

Benzo(b)fluoranthene

Concen: 38.184 ng

RT: 15.180 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

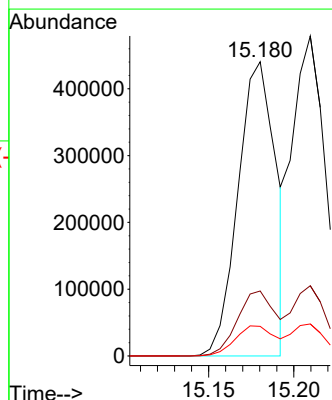
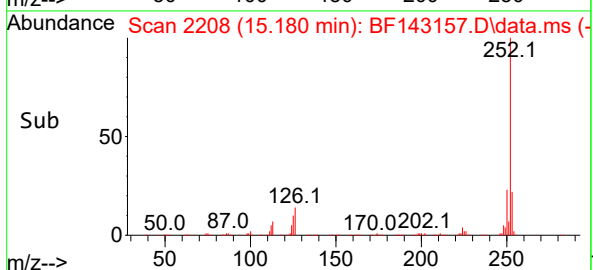
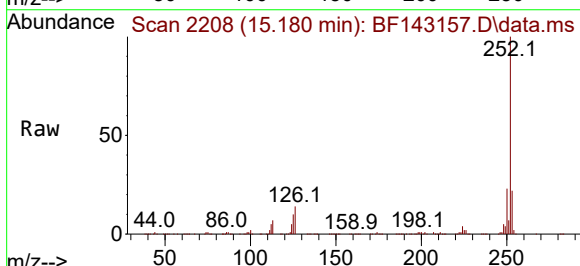
Tgt Ion:252 Resp: 677603

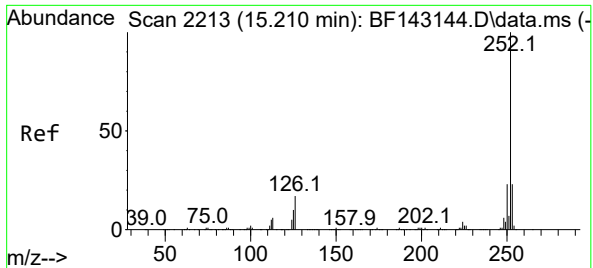
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.1 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 41.247 ng

RT: 15.210 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:252 Resp: 65317

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

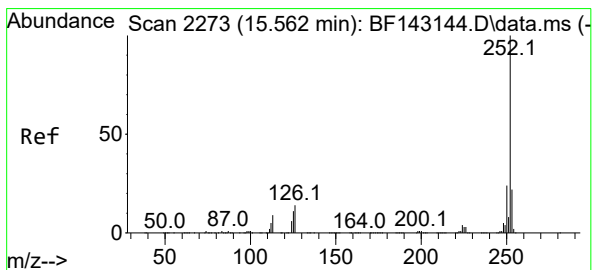
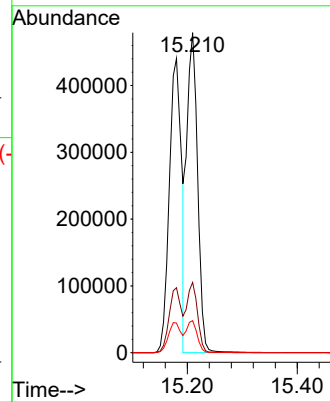
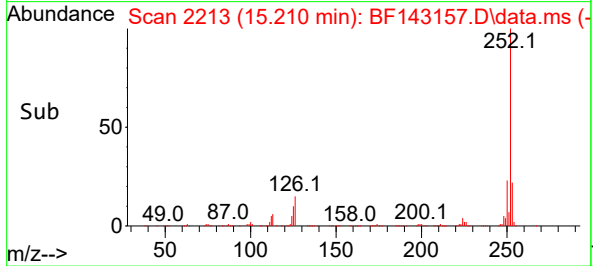
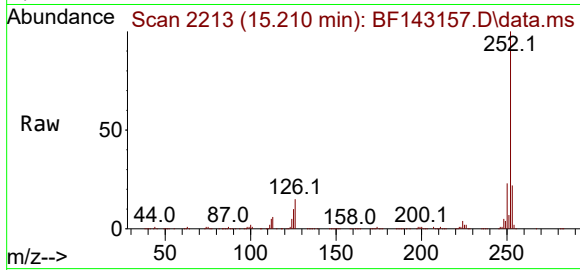
125 10.0 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 40.042 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

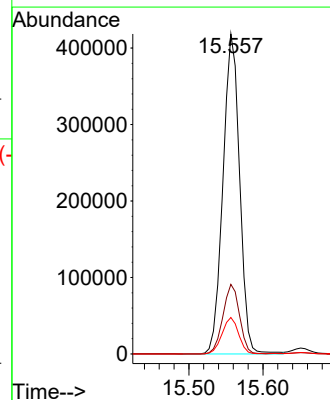
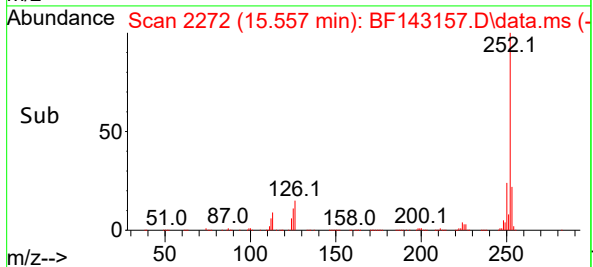
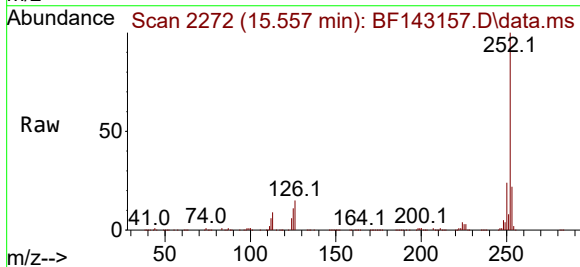
Tgt Ion:252 Resp: 654692

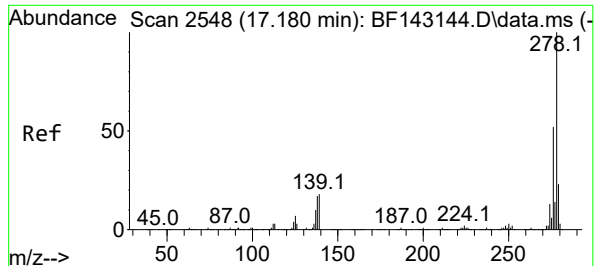
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 11.4 8.6 13.0





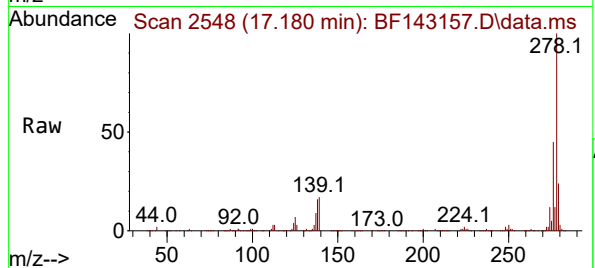
#91
Dibenzo(a,h)anthracene
Concen: 39.916 ng
RT: 17.180 min Scan# 2548
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



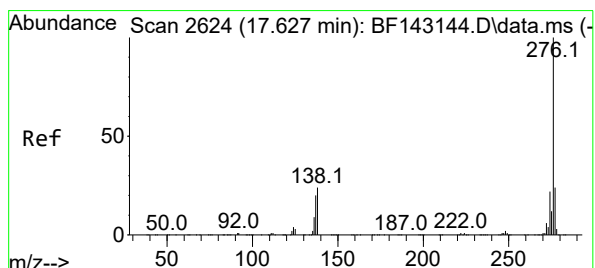
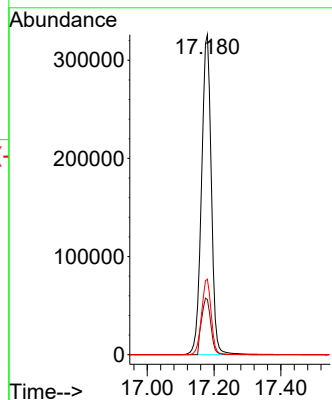
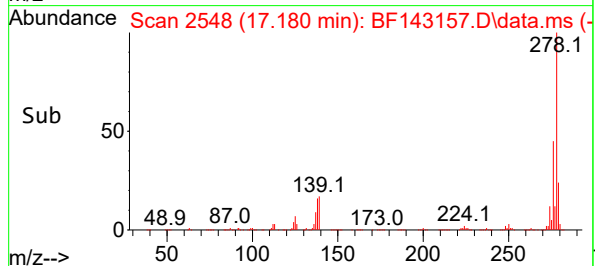
Tgt Ion:278 Resp: 665474
Ion Ratio Lower Upper
278 100
139 17.3 14.1 21.1
279 23.6 18.6 28.0

Manual Integrations

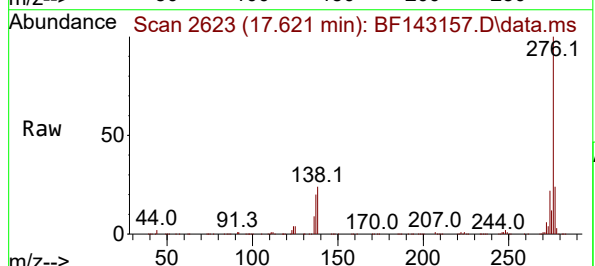
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

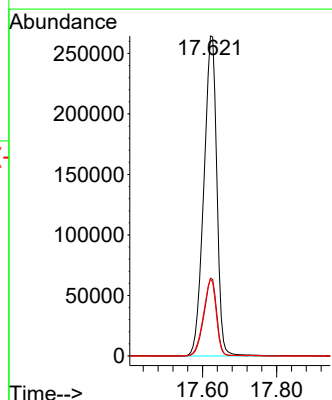
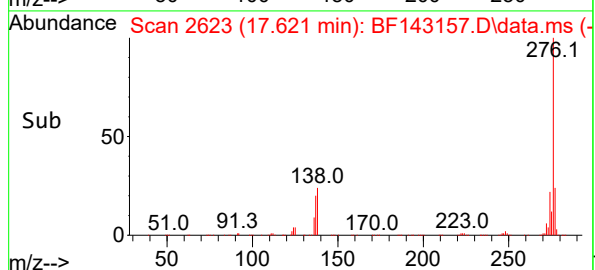
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 39.950 ng
RT: 17.621 min Scan# 2623
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37



Tgt Ion:276 Resp: 644277
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 24.0 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143157.D
 Acq On : 17 Jul 2025 19:37
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	83	0.00
2	1,4-Dioxane	0.598	0.599	-0.2	83	-0.02
3	Pyridine	1.552	1.507	2.9	82	-0.01
4	n-Nitrosodimethylamine	0.801	0.796	0.6	82	-0.02
5 S	2-Fluorophenol	1.264	1.230	2.7	83	0.00
6	Aniline	2.217	2.189	1.3	83	0.00
7 S	Phenol-d6	1.591	1.557	2.1	83	0.00
8	2-Chlorophenol	1.325	1.316	0.7	83	0.00
9	Benzaldehyde	1.193	1.310	-9.8	75	0.00
10 C	Phenol	1.733	1.708	1.4	83	0.00
11	bis(2-Chloroethyl)ether	1.327	1.314	1.0	84	0.00
12	1,3-Dichlorobenzene	1.439	1.406	2.3	83	0.00
13 C	1,4-Dichlorobenzene	1.449	1.414	2.4	83	0.00
14	1,2-Dichlorobenzene	1.378	1.358	1.5	84	0.00
15	Benzyl Alcohol	1.215	1.203	1.0	82	0.00
16	2,2'-oxybis(1-Chloropropane	2.461	2.443	0.7	84	0.00
17	2-Methylphenol	1.114	1.094	1.8	83	0.00
18	Hexachloroethane	0.502	0.508	-1.2	85	0.00
19 P	n-Nitroso-di-n-propylamine	1.021	0.984	3.6	83	0.00
20	3+4-Methylphenols	1.351	1.375	-1.8	85	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	84	0.00
22	Acetophenone	0.474	0.454	4.2	83	0.00
23 S	Nitrobenzene-d5	0.401	0.417	-4.0	88	0.00
24	Nitrobenzene	0.374	0.372	0.5	83	0.00
25	Isophorone	0.708	0.685	3.2	83	0.00
26 C	2-Nitrophenol	0.162	0.175	-8.0	85	0.00
27	2,4-Dimethylphenol	0.331	0.322	2.7	83	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.412	3.1	84	0.00
29 C	2,4-Dichlorophenol	0.279	0.273	2.2	83	0.00
30	1,2,4-Trichlorobenzene	0.302	0.293	3.0	84	0.00
31	Naphthalene	0.985	0.957	2.8	84	0.00
32	Benzoic acid	0.169	0.172	-1.8	80	-0.01
33	4-Chloroaniline	0.402	0.384	4.5	82	0.00
34 C	Hexachlorobutadiene	0.184	0.182	1.1	84	0.00
35	Caprolactam	0.084	0.084	0.0	81	-0.01
36 C	4-Chloro-3-methylphenol	0.303	0.293	3.3	82	0.00
37	2-Methylnaphthalene	0.599	0.577	3.7	83	0.00
38	1-Methylnaphthalene	0.617	0.601	2.6	84	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	81	0.00
40	1,2,4,5-Tetrachlorobenzene	0.577	0.565	2.1	83	0.00
41 P	Hexachlorocyclopentadiene	0.376	0.384	-2.1	84	0.00
42 S	2,4,6-Tribromophenol	0.207	0.205	1.0	79	0.00
43 C	2,4,6-Trichlorophenol	0.400	0.389	2.8	82	0.00
44	2,4,5-Trichlorophenol	0.400	0.408	-2.0	82	0.00
45 S	2-Fluorobiphenyl	1.462	1.408	3.7	84	0.00
46	1,1'-Biphenyl	1.560	1.541	1.2	84	0.00
47	2-Chloronaphthalene	1.155	1.125	2.6	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143157.D
 Acq On : 17 Jul 2025 19:37
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	0.362	0.382	-5.5	82	0.00
49	Acenaphthylene	1.935	1.894	2.1	83	0.00
50	Dimethylphthalate	1.304	1.282	1.7	81	0.00
51	2,6-Dinitrotoluene	0.265	0.279	-5.3	82	0.00
52 C	Acenaphthene	1.144	1.122	1.9	83	0.00
53	3-Nitroaniline	0.310	0.310	0.0	80	0.00
54 P	2,4-Dinitrophenol	0.098	0.109	-11.2	85	0.00
55	Dibenzofuran	1.698	1.649	2.9	82	0.00
56 P	4-Nitrophenol	0.232	0.232	0.0	77	0.00
57	2,4-Dinitrotoluene	0.333	0.349	-4.8	80	0.00
58	Fluorene	1.274	1.212	4.9	81	0.00
59	2,3,4,6-Tetrachlorophenol	0.331	0.330	0.3	81	0.00
60	Diethylphthalate	1.289	1.259	2.3	81	0.00
61	4-Chlorophenyl-phenylether	0.635	0.618	2.7	82	0.00
62	4-Nitroaniline	0.266	0.262	1.5	76	0.00
63	Azobenzene	1.343	1.309	2.5	81	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	78	0.00
65	4,6-Dinitro-2-methylphenol	0.094	0.103	-9.6	83	0.00
66 c	n-Nitrosodiphenylamine	0.704	0.696	1.1	81	0.00
67	4-Bromophenyl-phenylether	0.238	0.233	2.1	80	0.00
68	Hexachlorobenzene	0.249	0.246	1.2	81	0.00
69	Atrazine	0.194	0.196	-1.0	78	0.00
70 C	Pentachlorophenol	0.147	0.151	-2.7	80	0.00
71	Phenanthrene	1.062	1.037	2.4	80	0.00
72	Anthracene	1.083	1.053	2.8	80	0.00
73	Carbazole	0.946	0.925	2.2	78	0.00
74	Di-n-butylphthalate	1.070	1.084	-1.3	79	0.00
75 C	Fluoranthene	0.975	0.973	0.2	80	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	87	0.00
77	Benzydine	0.771	0.735	4.7	67	0.00
78	Pyrene	1.707	1.585	7.1	80	0.00
79 S	Terphenyl-d14	1.344	1.234	8.2	82	0.00
80	Butylbenzylphthalate	0.523	0.532	-1.7	85	0.00
81	Benzo(a)anthracene	1.339	1.298	3.1	88	0.00
82	3,3'-Dichlorobenzidine	0.446	0.442	0.9	90	0.00
83	Chrysene	1.204	1.226	-1.8	88	0.00
84	Bis(2-ethylhexyl)phthalate	0.791	0.821	-3.8	90	0.00
85 c	Di-n-octyl phthalate	1.434	1.417	1.2	89	0.00
86 I	Perylene-d12	1.000	1.000	0.0	90	0.00
87	Indeno(1,2,3-cd)pyrene	1.410	1.402	0.6	89	0.00
88	Benzo(b)fluoranthene	1.222	1.166	4.6	91	0.00
89	Benzo(k)fluoranthene	1.090	1.124	-3.1	89	0.00
90 C	Benzo(a)pyrene	1.126	1.127	-0.1	90	0.00
91	Dibenzo(a,h)anthracene	1.148	1.145	0.3	90	0.00
92	Benzo(g,h,i)perylene	1.110	1.109	0.1	90	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143157.D
 Acq On : 17 Jul 2025 19:37
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	83	0.00
2	1,4-Dioxane	40.000	40.040	-0.1	83	-0.02
3	Pyridine	40.000	38.834	2.9	82	-0.01
4	n-Nitrosodimethylamine	40.000	39.723	0.7	82	-0.02
5 S	2-Fluorophenol	80.000	77.881	2.6	83	0.00
6	Aniline	40.000	39.488	1.3	83	0.00
7 S	Phenol-d6	80.000	78.288	2.1	83	0.00
8	2-Chlorophenol	40.000	39.743	0.6	83	0.00
9	Benzaldehyde	40.000	43.912	-9.8	75	0.00
10 C	Phenol	40.000	39.425	1.4	83	0.00
11	bis(2-Chloroethyl)ether	40.000	39.624	0.9	84	0.00
12	1,3-Dichlorobenzene	40.000	39.082	2.3	83	0.00
13 C	1,4-Dichlorobenzene	40.000	39.023	2.4	83	0.00
14	1,2-Dichlorobenzene	40.000	39.413	1.5	84	0.00
15	Benzyl Alcohol	40.000	39.613	1.0	82	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.695	0.8	84	0.00
17	2-Methylphenol	40.000	39.283	1.8	83	0.00
18	Hexachloroethane	40.000	40.502	-1.3	85	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.561	3.6	83	0.00
20	3+4-Methylphenols	40.000	40.698	-1.7	85	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	84	0.00
22	Acetophenone	40.000	38.334	4.2	83	0.00
23 S	Nitrobenzene-d5	80.000	83.120	-3.9	88	0.00
24	Nitrobenzene	40.000	39.799	0.5	83	0.00
25	Isophorone	40.000	38.662	3.3	83	0.00
26 C	2-Nitrophenol	40.000	43.005	-7.5	85	0.00
27	2,4-Dimethylphenol	40.000	38.914	2.7	83	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.785	3.0	84	0.00
29 C	2,4-Dichlorophenol	40.000	39.168	2.1	83	0.00
30	1,2,4-Trichlorobenzene	40.000	38.870	2.8	84	0.00
31	Naphthalene	40.000	38.883	2.8	84	0.00
32	Benzoic acid	40.000	38.171	4.6	80	-0.01
33	4-Chloroaniline	40.000	38.161	4.6	82	0.00
34 C	Hexachlorobutadiene	40.000	39.537	1.2	84	0.00
35	Caprolactam	40.000	39.790	0.5	81	-0.01
36 C	4-Chloro-3-methylphenol	40.000	38.598	3.5	82	0.00
37	2-Methylnaphthalene	40.000	38.490	3.8	83	0.00
38	1-Methylnaphthalene	40.000	38.919	2.7	84	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	81	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.116	2.2	83	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.834	-2.1	84	0.00
42 S	2,4,6-Tribromophenol	80.000	79.508	0.6	79	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.954	2.6	82	0.00
44	2,4,5-Trichlorophenol	40.000	40.808	-2.0	82	0.00
45 S	2-Fluorobiphenyl	80.000	77.029	3.7	84	0.00
46	1,1'-Biphenyl	40.000	39.502	1.2	84	0.00
47	2-Chloronaphthalene	40.000	38.970	2.6	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143157.D
 Acq On : 17 Jul 2025 19:37
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	42.151	-5.4	82	0.00
49	Acenaphthylene	40.000	39.148	2.1	83	0.00
50	Dimethylphthalate	40.000	39.347	1.6	81	0.00
51	2,6-Dinitrotoluene	40.000	42.067	-5.2	82	0.00
52 C	Acenaphthene	40.000	39.237	1.9	83	0.00
53	3-Nitroaniline	40.000	40.028	-0.1	80	0.00
54 P	2,4-Dinitrophenol	40.000	39.960	0.1	85	0.00
55	Dibenzofuran	40.000	38.841	2.9	82	0.00
56 P	4-Nitrophenol	40.000	40.040	-0.1	77	0.00
57	2,4-Dinitrotoluene	40.000	41.945	-4.9	80	0.00
58	Fluorene	40.000	38.045	4.9	81	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.875	0.3	81	0.00
60	Diethylphthalate	40.000	39.088	2.3	81	0.00
61	4-Chlorophenyl-phenylether	40.000	38.975	2.6	82	0.00
62	4-Nitroaniline	40.000	39.478	1.3	76	0.00
63	Azobenzene	40.000	38.986	2.5	81	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	78	0.00
65	4,6-Dinitro-2-methylphenol	40.000	40.354	-0.9	83	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.557	1.1	81	0.00
67	4-Bromophenyl-phenylether	40.000	39.069	2.3	80	0.00
68	Hexachlorobenzene	40.000	39.472	1.3	81	0.00
69	Atrazine	40.000	40.279	-0.7	78	0.00
70 C	Pentachlorophenol	40.000	41.309	-3.3	80	0.00
71	Phenanthrene	40.000	39.066	2.3	80	0.00
72	Anthracene	40.000	38.898	2.8	80	0.00
73	Carbazole	40.000	39.121	2.2	78	0.00
74	Di-n-butylphthalate	40.000	40.539	-1.3	79	0.00
75 C	Fluoranthene	40.000	39.910	0.2	80	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	87	0.00
77	Benzydine	40.000	38.169	4.6	67	0.00
78	Pyrene	40.000	37.150	7.1	80	0.00
79 S	Terphenyl-d14	80.000	73.478	8.2	82	0.00
80	Butylbenzylphthalate	40.000	40.736	-1.8	85	0.00
81	Benzo(a)anthracene	40.000	38.779	3.1	88	0.00
82	3,3'-Dichlorobenzidine	40.000	39.609	1.0	90	0.00
83	Chrysene	40.000	40.721	-1.8	88	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.499	-3.7	90	0.00
85 c	Di-n-octyl phthalate	40.000	39.529	1.2	89	0.00
86 I	Perylene-d12	20.000	20.000	0.0	90	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.776	0.6	89	0.00
88	Benzo(b)fluoranthene	40.000	38.184	4.5	91	0.00
89	Benzo(k)fluoranthene	40.000	41.247	-3.1	89	0.00
90 C	Benzo(a)pyrene	40.000	40.042	-0.1	90	0.00
91	Dibenzo(a,h)anthracene	40.000	39.916	0.2	90	0.00
92	Benzo(g,h,i)perylene	40.000	39.950	0.1	90	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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)
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(#) = 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: Alliance Contract: NOBI03
 Lab Code: ACE SDG No.: Q2558
 Instrument ID: BNA_F Calibration Date/Time: 07/22/2025 08:46
 Lab File ID: BF143177.D Init. Calib. Date(s): 07/17/2025 07/17/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.232		-2.5	
Phenol-d6	1.591	1.553		-2.4	
Nitrobenzene-d5	0.401	0.400		-0.2	
Naphthalene	0.985	0.952		-3.3	
2-Methylnaphthalene	0.599	0.584		-2.5	
2-Fluorobiphenyl	1.462	1.361		-6.9	
Acenaphthylene	1.935	1.864		-3.7	
Acenaphthene	1.144	1.105		-3.4	20.0
Fluorene	1.274	1.229		-3.5	
2,4,6-Tribromophenol	0.207	0.215		3.9	
Phenanthrene	1.062	1.023		-3.7	
Anthracene	1.083	1.044		-3.6	
Fluoranthene	0.975	1.003		2.9	20.0
Pyrene	1.707	1.892		10.8	
Terphenyl-d14	1.344	1.450		7.9	
Benzo (a) anthracene	1.339	1.294		-3.4	
Chrysene	1.204	1.190		-1.2	
Benzo (b) fluoranthene	1.222	1.268		3.8	
Benzo (k) fluoranthene	1.090	0.989		-9.3	
Benzo (a) pyrene	1.126	1.116		-0.9	20.0
Indeno (1,2,3-cd) pyrene	1.410	1.410		0.0	
Dibenzo (a,h) anthracene	1.148	1.153		0.4	
Benzo (g,h,i) perylene	1.110	1.136		2.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	137586	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	540273	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	287067	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	481775	20.000	ng	0.00
76) Chrysene-d12	14.127	240	251217	20.000	ng	0.00
86) Perylene-d12	15.633	264	256275	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	677807	77.959	ng	0.00
7) Phenol-d6	6.587	99	854417	78.075	ng	0.00
23) Nitrobenzene-d5	7.522	82	865138	79.820	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	246542	83.135	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1563287	74.477	ng	0.00
79) Terphenyl-d14	13.069	244	1456637	86.285	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	160989	39.132	ng	99
3) Pyridine	3.593	79	412780	38.657	ng	100
4) n-Nitrosodimethylamine	3.534	42	217539	39.459	ng	100
6) Aniline	6.628	93	597655	39.186	ng	99
8) 2-Chlorophenol	6.751	128	362170	39.740	ng	97
9) Benzaldehyde	6.522	77	1059534	129.116	ng	98
10) Phenol	6.598	94	494165	41.450	ng	98
11) bis(2-Chloroethyl)ether	6.692	93	355973	38.997	ng	99
12) 1,3-Dichlorobenzene	6.910	146	386885	39.079	ng	98
13) 1,4-Dichlorobenzene	6.981	146	392969	39.415	ng	100
14) 1,2-Dichlorobenzene	7.134	146	374905	39.536	ng	99
15) Benzyl Alcohol	7.098	79	336956	40.325	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	670842	39.617	ng	99
17) 2-Methylphenol	7.210	107	304327	39.715	ng	99
18) Hexachloroethane	7.481	117	139222	40.337	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	272545	38.818	ng	98
20) 3+4-Methylphenols	7.363	107	379841	40.856	ng	# 84
22) Acetophenone	7.369	105	488181	38.166	ng	98
24) Nitrobenzene	7.545	77	403502	39.931	ng	100
25) Isophorone	7.781	82	753928	39.403	ng	100
26) 2-Nitrophenol	7.857	139	186034	42.420	ng	98
27) 2,4-Dimethylphenol	7.892	122	348982	39.039	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	444443	38.742	ng	100
29) 2,4-Dichlorophenol	8.098	162	296155	39.284	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	314359	38.597	ng	100
31) Naphthalene	8.269	128	1028678	38.661	ng	100
32) Benzoic acid	7.992	122	210097	42.399	ng	99
33) 4-Chloroaniline	8.310	127	426934	39.296	ng	100
34) Hexachlorobutadiene	8.392	225	193031	38.797	ng	98
35) Caprolactam	8.681	113	99092	43.497	ng	99
36) 4-Chloro-3-methylphenol	8.786	107	328015	40.031	ng	99
37) 2-Methylnaphthalene	8.957	142	630618	38.948	ng	99
38) 1-Methylnaphthalene	9.057	142	657714	39.448	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	311045	37.530	ng	99
41) Hexachlorocyclopentadiene	9.116	237	209543	38.857	ng	99
43) 2,4,6-Trichlorophenol	9.233	196	222071	38.716	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

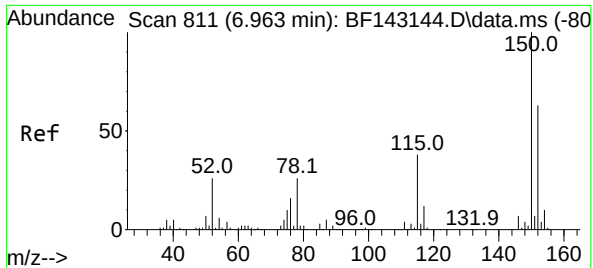
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	227262	39.609	ng	97
46) 1,1'-Biphenyl	9.422	154	852399	38.059	ng	100
47) 2-Chloronaphthalene	9.445	162	630848	38.067	ng	100
48) 2-Nitroaniline	9.533	65	219714	42.277	ng	98
49) Acenaphthylene	9.863	152	1070369	38.541	ng	100
50) Dimethylphthalate	9.716	163	739129	39.501	ng	99
51) 2,6-Dinitrotoluene	9.775	165	163183	42.869	ng	99
52) Acenaphthene	10.039	154	634518	38.656	ng	98
53) 3-Nitroaniline	9.945	138	182622	41.017	ng	99
54) 2,4-Dinitrophenol	10.045	184	68517	43.071	ng	74
55) Dibenzofuran	10.210	168	942628	38.679	ng	99
56) 4-Nitrophenol	10.092	139	136348	41.010	ng	99
57) 2,4-Dinitrotoluene	10.180	165	208497	43.658	ng	95
58) Fluorene	10.551	166	705686	38.582	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	195488	41.130	ng	100
60) Diethylphthalate	10.416	149	745293	40.297	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	355248	39.006	ng	98
62) 4-Nitroaniline	10.557	138	160383	42.030	ng	99
63) Azobenzene	10.698	77	770158	39.955	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	100286	40.643	ng	97
66) n-Nitrosodiphenylamine	10.657	169	647888	38.190	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	217849	37.943	ng	98
68) Hexachlorobenzene	11.104	284	228054	38.002	ng	99
69) Atrazine	11.180	200	194126	41.506	ng	100
70) Pentachlorophenol	11.286	266	146798	41.596	ng	99
71) Phenanthrene	11.516	178	986033	38.546	ng	100
72) Anthracene	11.563	178	1006010	38.560	ng	100
73) Carbazole	11.710	167	905667	39.755	ng	99
74) Di-n-butylphthalate	12.045	149	1085481	42.111	ng	100
75) Fluoranthene	12.704	202	966154	41.148	ng	100
77) Benzidine	12.810	184	218195	22.544	ng	99
78) Pyrene	12.933	202	950663	44.341	ng	99
80) Butylbenzylphthalate	13.539	149	311792	47.491	ng	99
81) Benzo(a)anthracene	14.116	228	650070	38.651	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	215912	38.517	ng	100
83) Chrysene	14.151	228	597875	39.537	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	414006	41.663	ng	100
85) Di-n-octyl phthalate	14.715	149	684937	38.026	ng	100
87) Indeno(1,2,3-cd)pyrene	17.174	276	722484	39.981	ng	99
88) Benzo(b)fluoranthene	15.186	252	649846	41.508	ng	100
89) Benzo(k)fluoranthene	15.215	252	507153	36.301	ng	99
90) Benzo(a)pyrene	15.568	252	571955	39.651	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	590913	40.175	ng	100
92) Benzo(g,h,i)perylene	17.645	276	582117	40.914	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

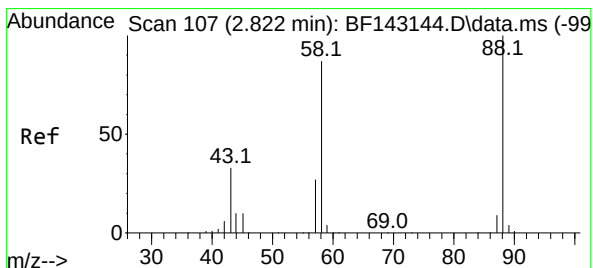
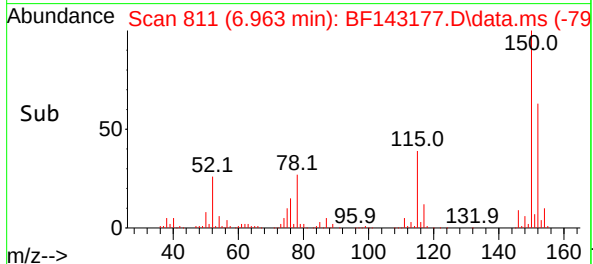
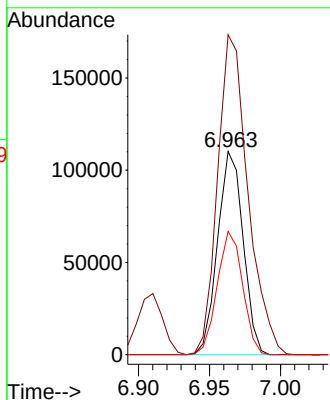
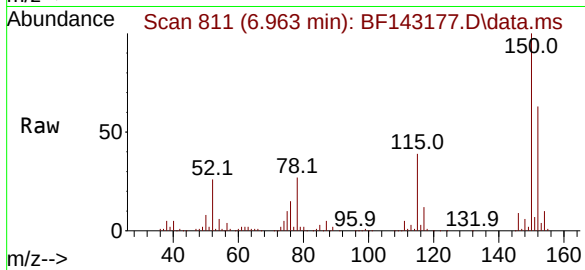
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

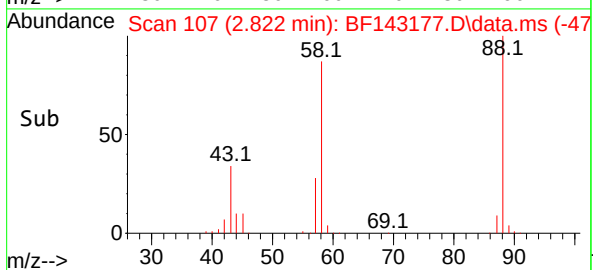
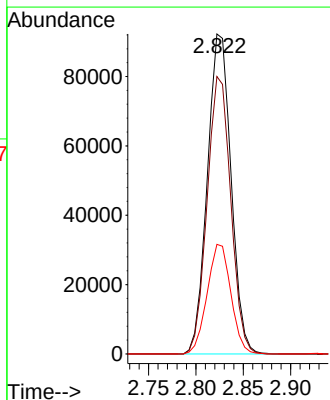
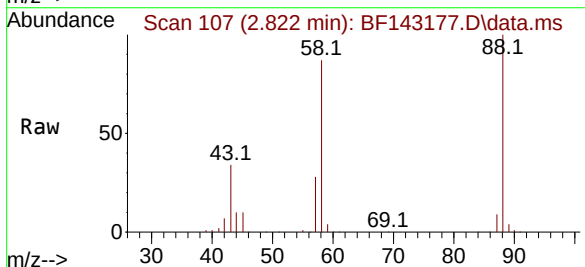
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ClientSampleId :
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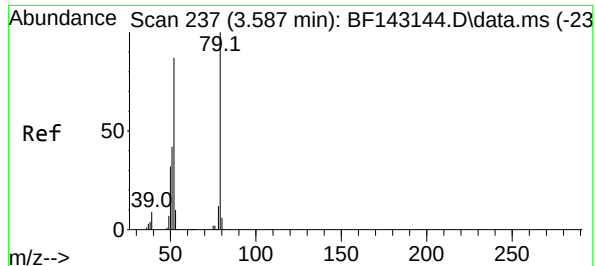
Tgt Ion:152 Resp: 137586
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 60.6 47.9 71.9



#2
1,4-Dioxane
Concen: 39.132 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 88 Resp: 160989
Ion Ratio Lower Upper
88 100
58 86.2 70.2 105.2
43 34.3 27.1 40.7

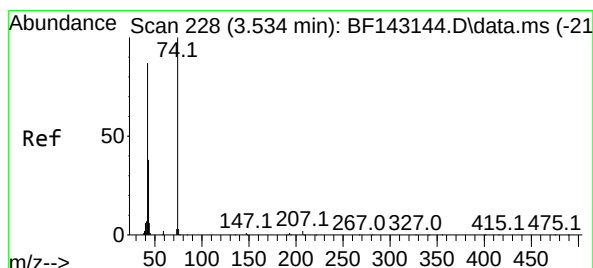
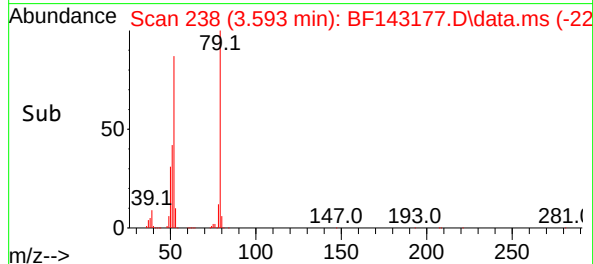
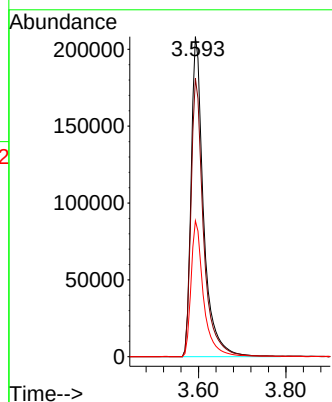
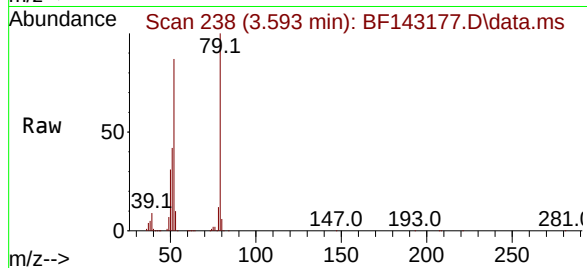




#3
 Pyridine
 Concen: 38.657 ng
 RT: 3.593 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF143177.D
 Acq: 22 Jul 2025 08:46

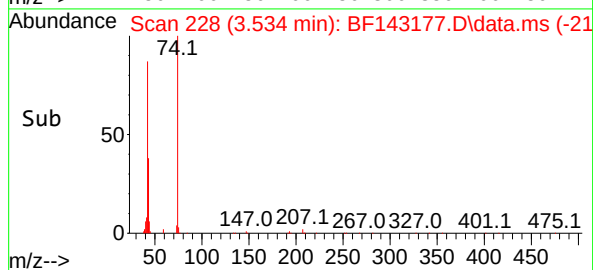
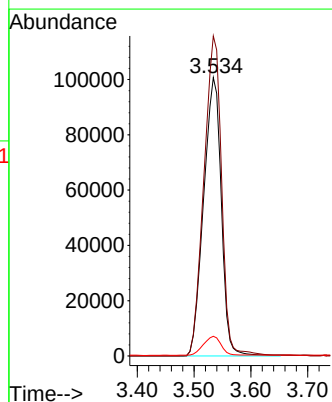
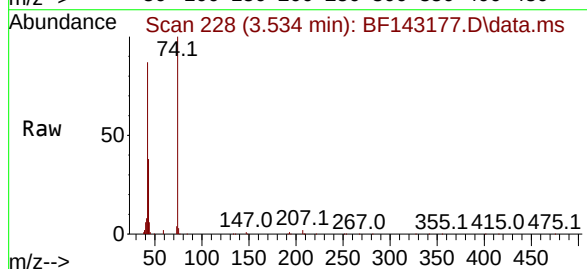
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 ClientSampleId :
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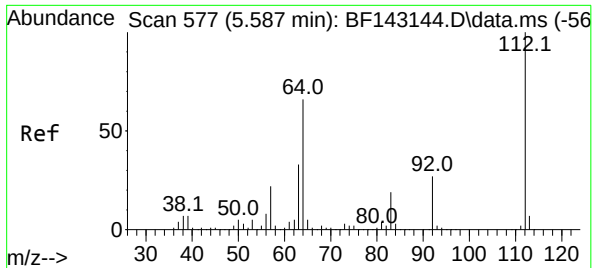
Tgt Ion: 79 Resp: 412780
 Ion Ratio Lower Upper
 79 100
 52 87.0 69.4 104.2
 51 42.4 33.5 50.3



#4
 n-Nitrosodimethylamine
 Concen: 39.459 ng
 RT: 3.534 min Scan# 228
 Delta R.T. 0.000 min
 Lab File: BF143177.D
 Acq: 22 Jul 2025 08:46

Tgt Ion: 42 Resp: 217539
 Ion Ratio Lower Upper
 42 100
 74 115.0 91.7 137.5
 44 7.1 5.6 8.4

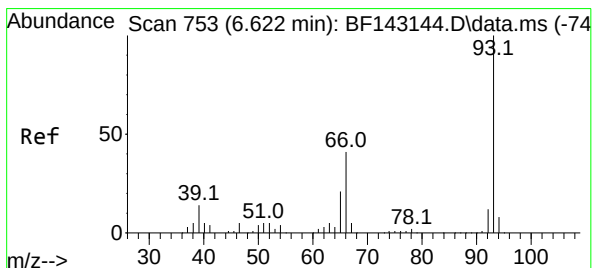
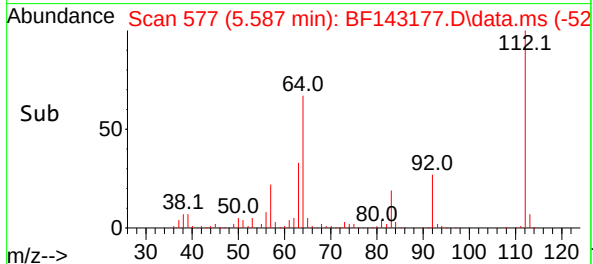
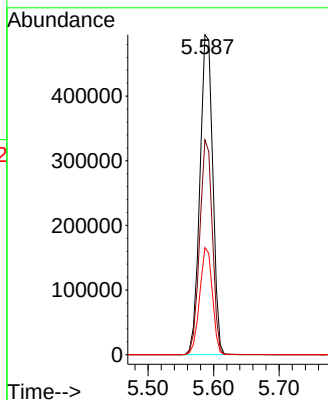
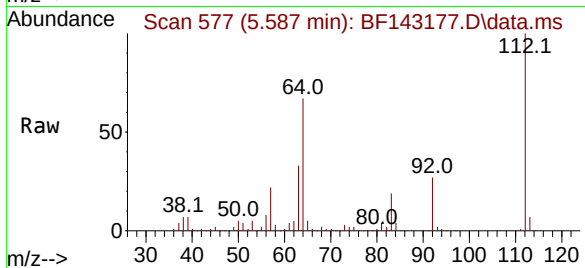




#5
2-Fluorophenol
Concen: 77.959 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

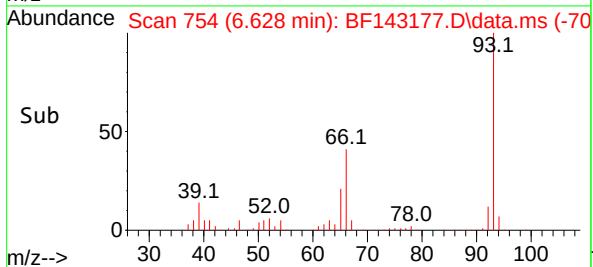
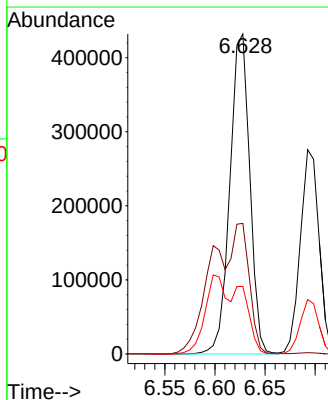
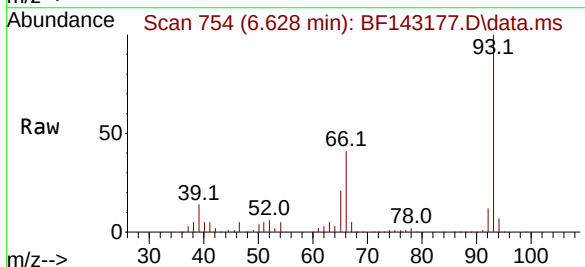
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BNA_F
ClientSampleId :
SSTDCCC040

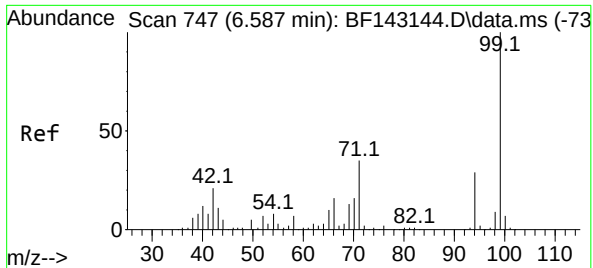
Tgt Ion:112 Resp: 677807
Ion Ratio Lower Upper
112 100
64 67.1 53.1 79.7
63 33.5 26.6 40.0



#6
Aniline
Concen: 39.186 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 93 Resp: 597655
Ion Ratio Lower Upper
93 100
66 40.8 33.2 49.8
65 21.1 16.9 25.3

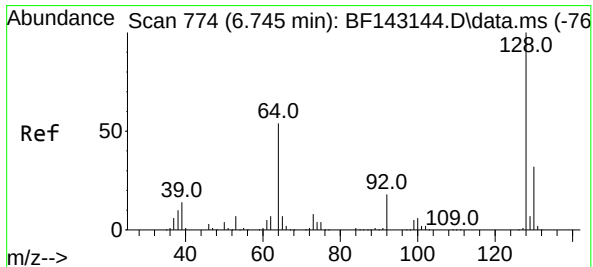
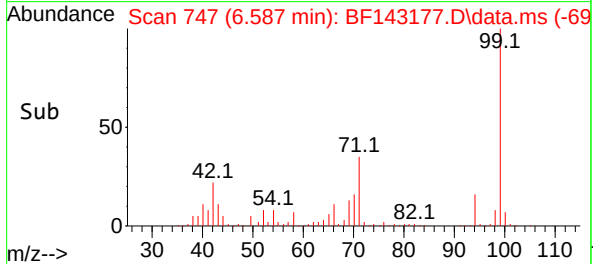
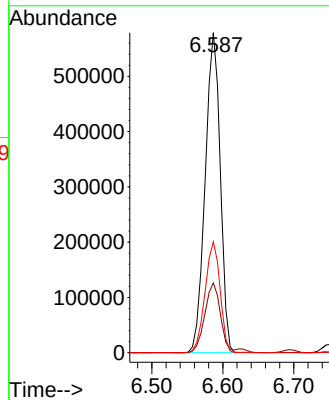
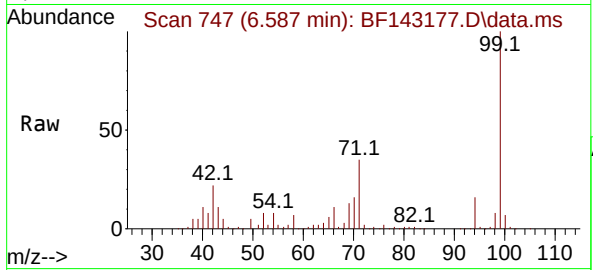




#7
Phenol-d6
Concen: 78.075 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

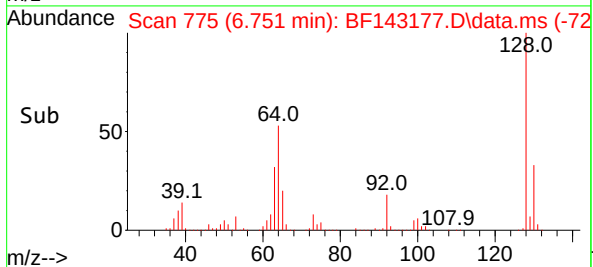
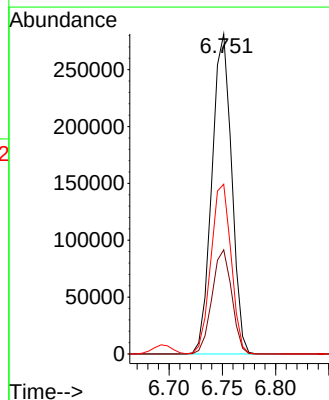
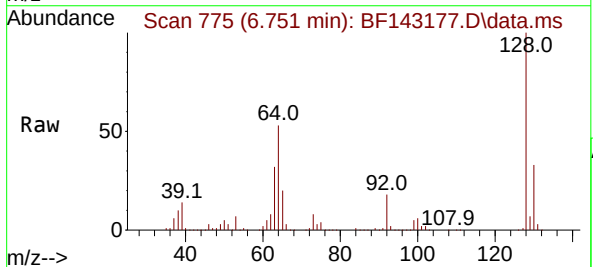
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SSTDCCC040

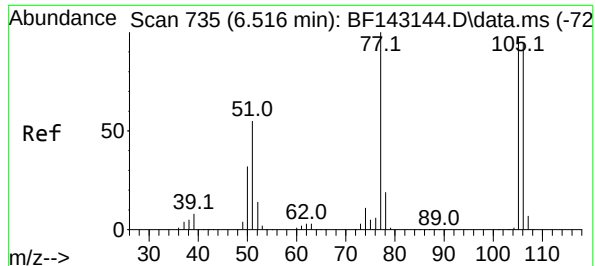
Tgt Ion: 99 Resp: 854417
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 34.7 27.7 41.5



#8
2-Chlorophenol
Concen: 39.740 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 128 Resp: 362170
Ion Ratio Lower Upper
128 100
130 32.6 12.3 52.3
64 53.1 35.9 75.9





#9

Benzaldehyde

Concen: 129.116 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

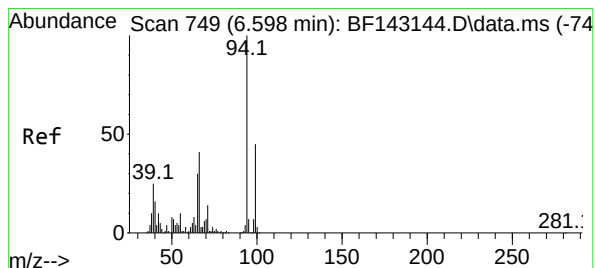
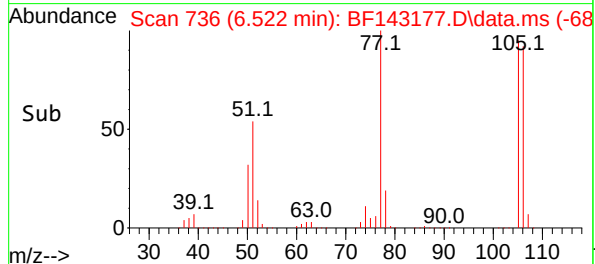
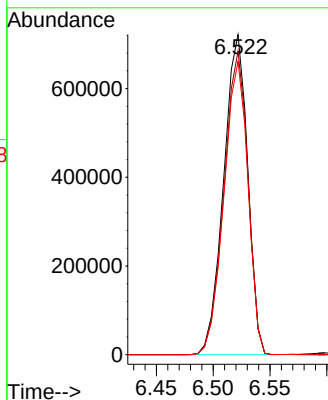
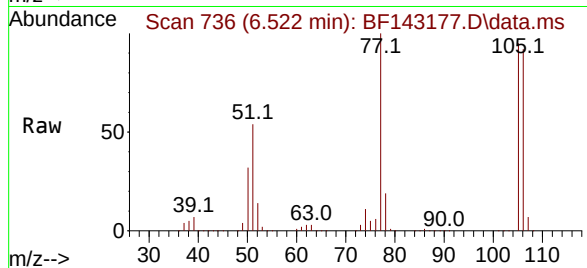
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 1059534

Ion	Ratio	Lower	Upper
77	100		
105	94.8	76.8	116.8
106	91.6	74.4	114.4



#10

Phenol

Concen: 41.450 ng

RT: 6.598 min Scan# 749

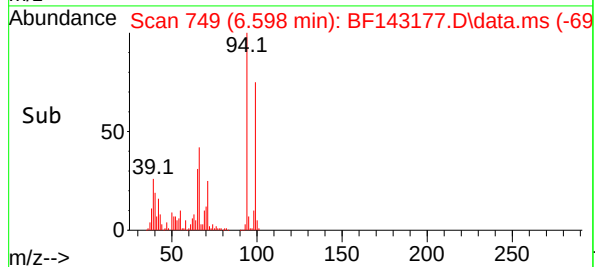
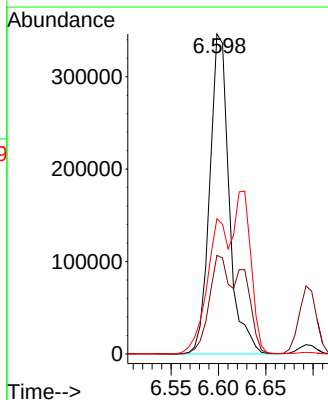
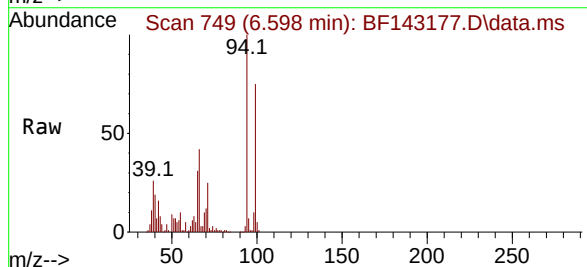
Delta R.T. 0.000 min

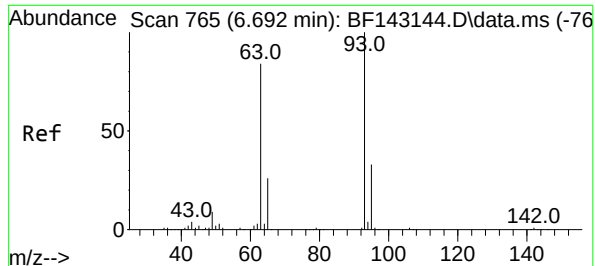
Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Tgt Ion: 94 Resp: 494165

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.0	50.0
66	42.3	20.8	60.8





#11

bis(2-Chloroethyl)ether

Concen: 38.997 ng

RT: 6.692 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

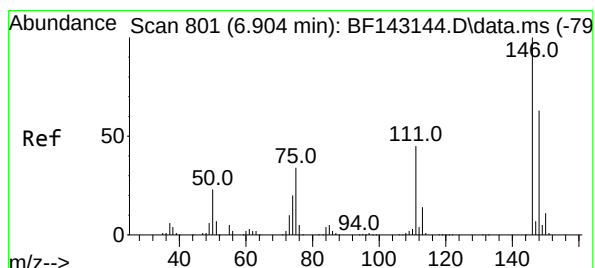
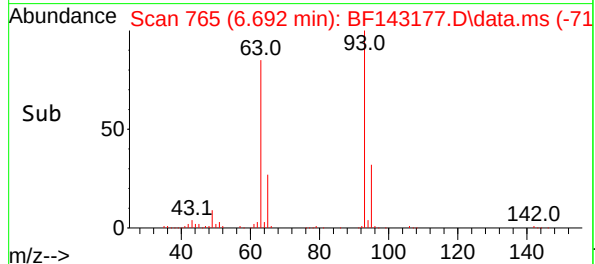
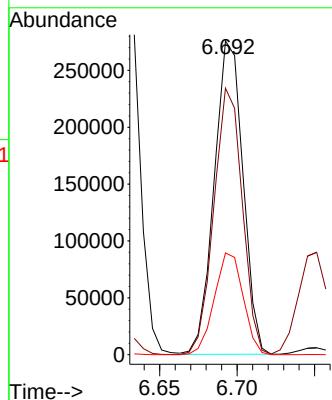
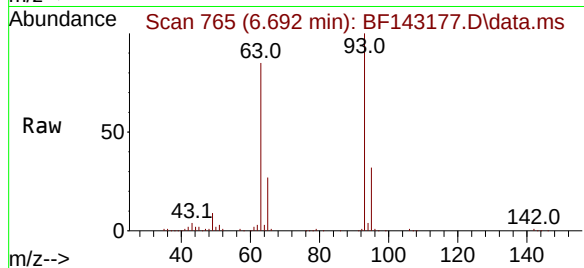
Tgt Ion: 93 Resp: 355973

Ion Ratio Lower Upper

93 100

63 84.9 63.4 103.4

95 32.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 39.079 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

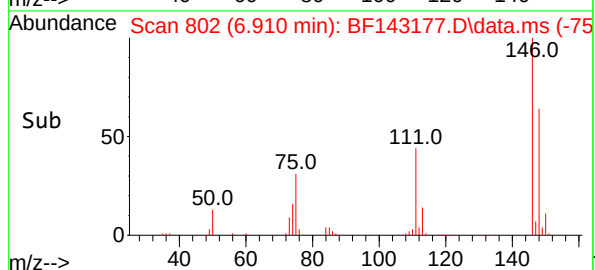
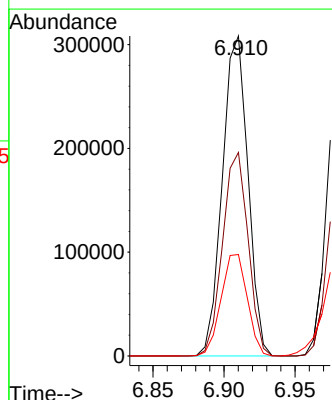
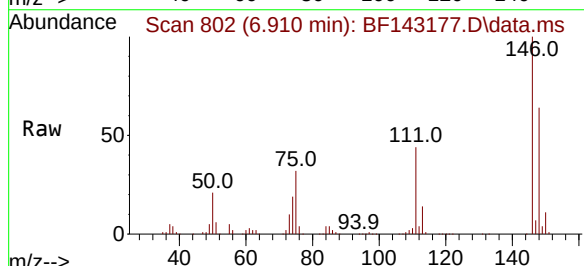
Tgt Ion:146 Resp: 386885

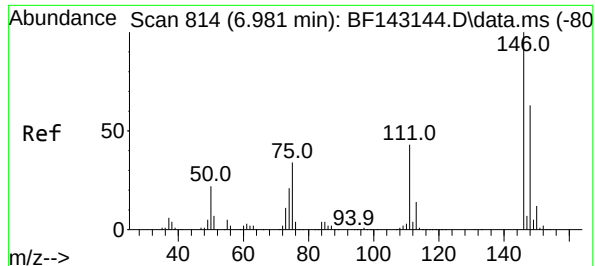
Ion Ratio Lower Upper

146 100

148 63.6 50.6 76.0

75 31.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.415 ng

RT: 6.981 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

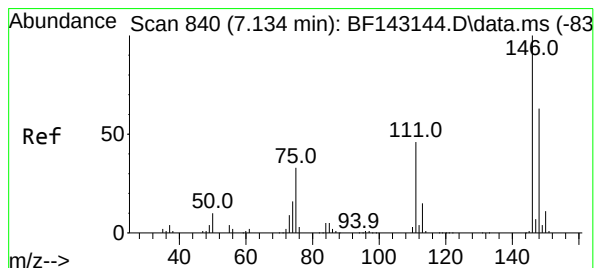
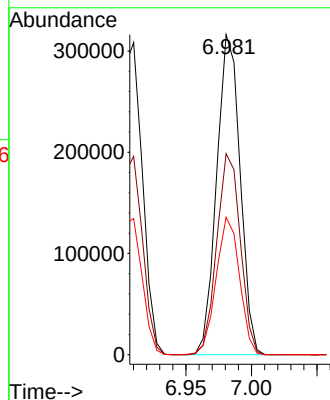
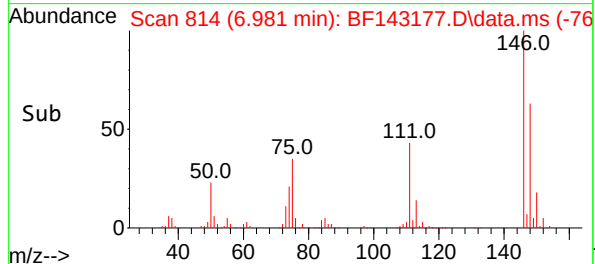
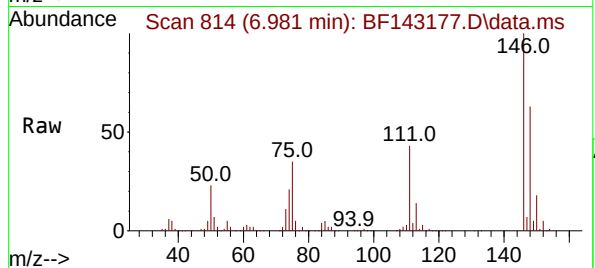
Tgt Ion:146 Resp: 392969

Ion Ratio Lower Upper

146 100

148 62.8 50.3 75.5

111 42.9 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 39.536 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

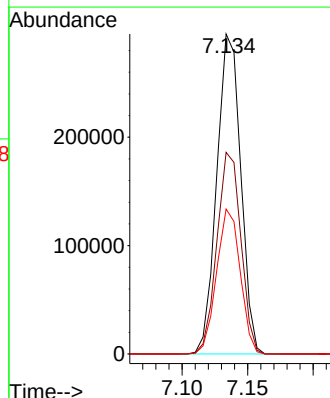
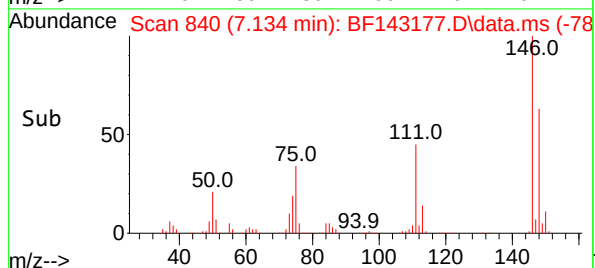
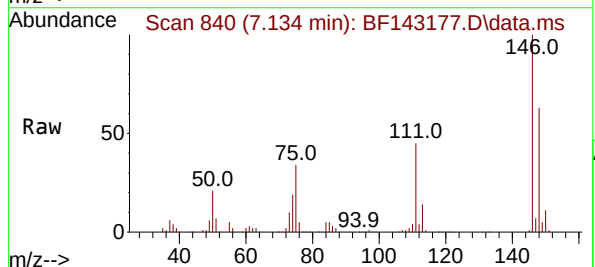
Tgt Ion:146 Resp: 374905

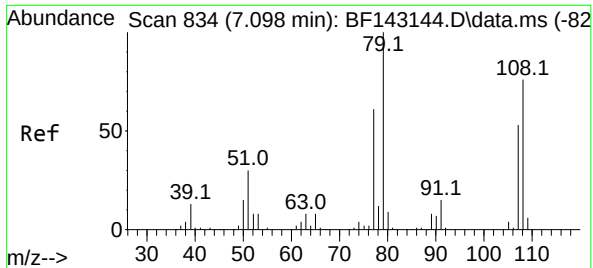
Ion Ratio Lower Upper

146 100

148 63.0 50.7 76.1

111 45.3 36.6 54.8





#15

Benzyl Alcohol

Concen: 40.325 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

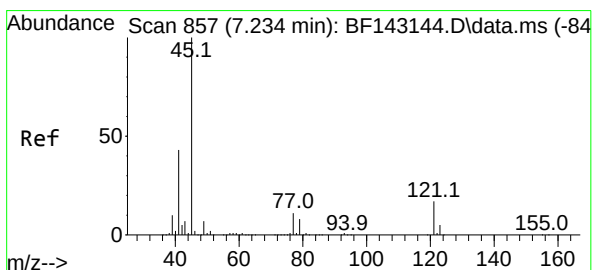
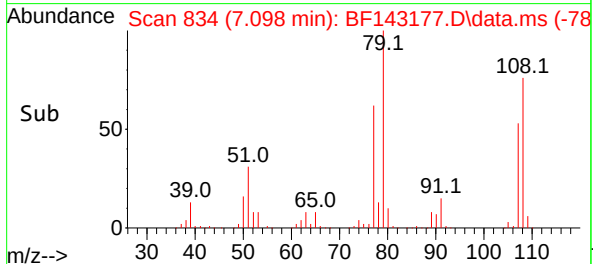
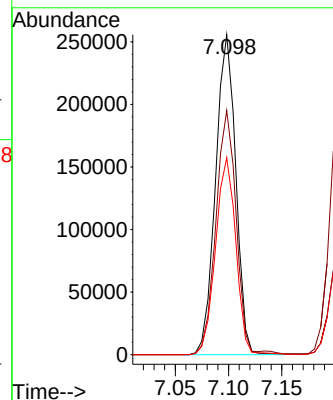
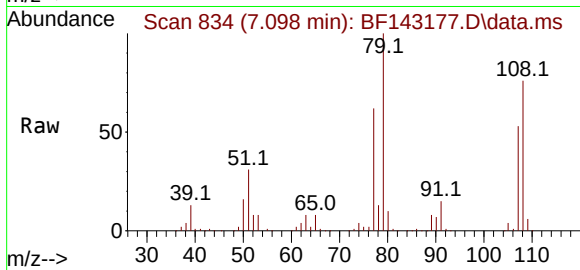
Tgt Ion: 79 Resp: 336956

Ion Ratio Lower Upper

79 100

108 76.3 61.1 91.7

77 61.6 48.9 73.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.617 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

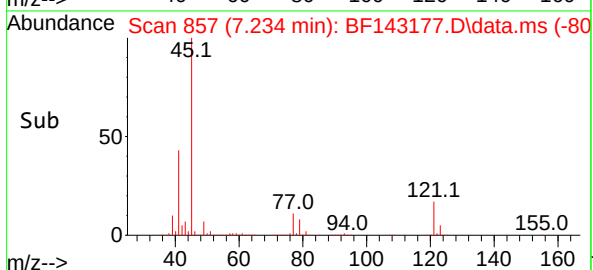
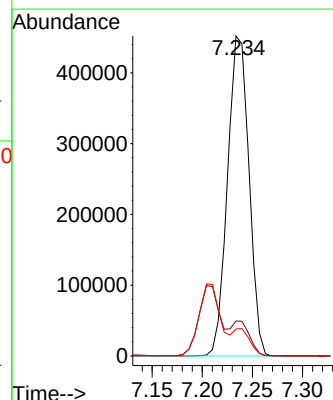
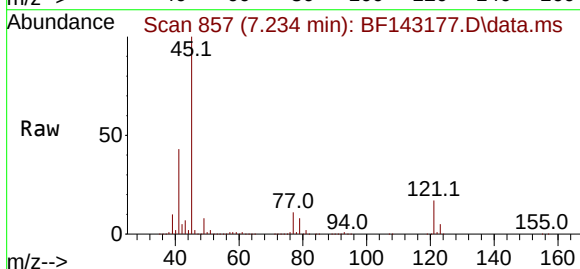
Tgt Ion: 45 Resp: 670842

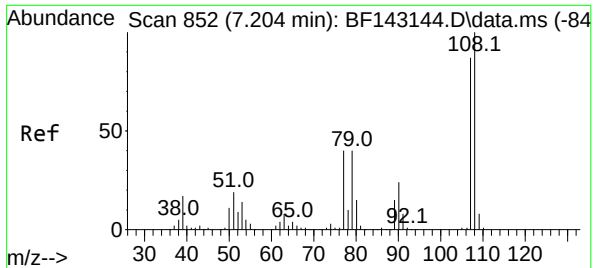
Ion Ratio Lower Upper

45 100

77 10.9 0.0 31.2

79 8.4 0.0 28.5

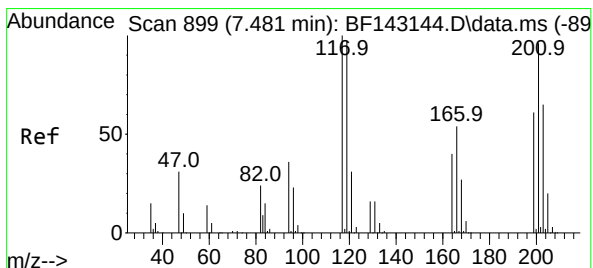
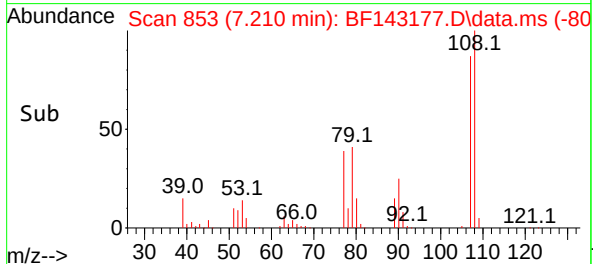
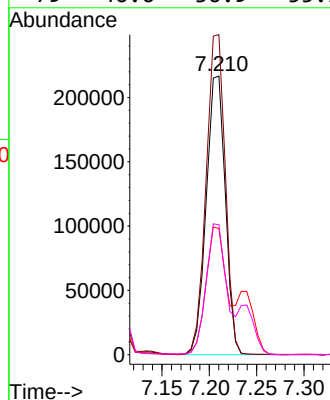
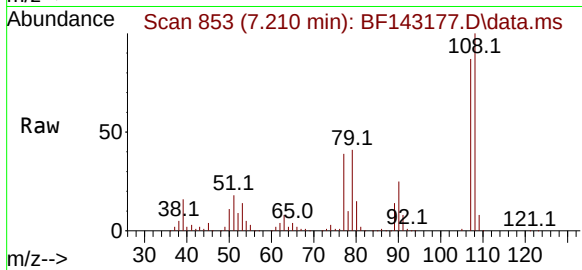




#17
2-Methylphenol
Concen: 39.715 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

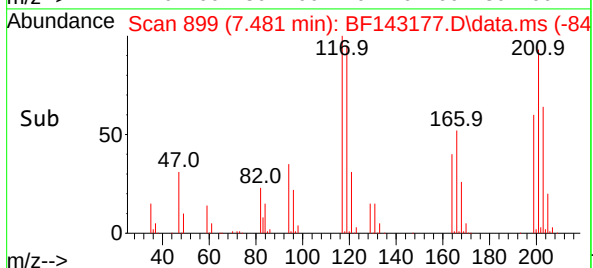
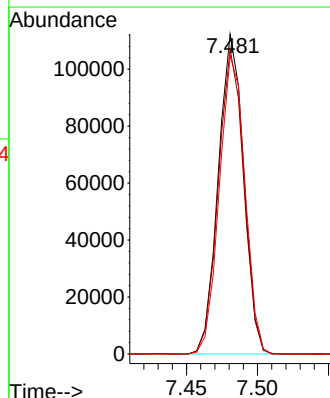
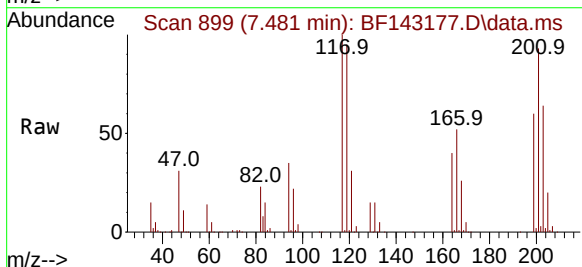
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

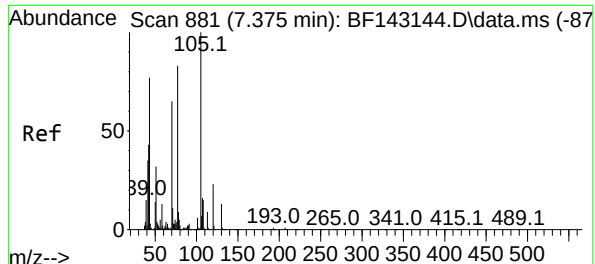
Tgt Ion:107 Resp: 304327
Ion Ratio Lower Upper
107 100
108 114.9 91.8 137.6
77 45.3 37.0 55.6
79 46.6 36.9 55.3



#18
Hexachloroethane
Concen: 40.337 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:117 Resp: 139222
Ion Ratio Lower Upper
117 100
119 95.3 77.8 116.8
201 93.3 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 38.818 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 272545

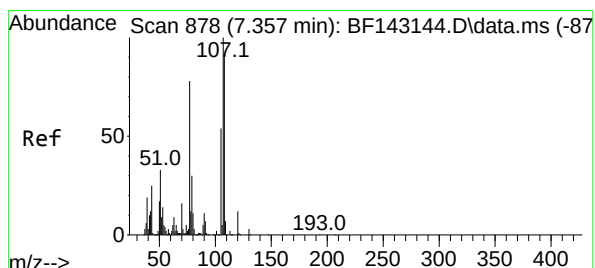
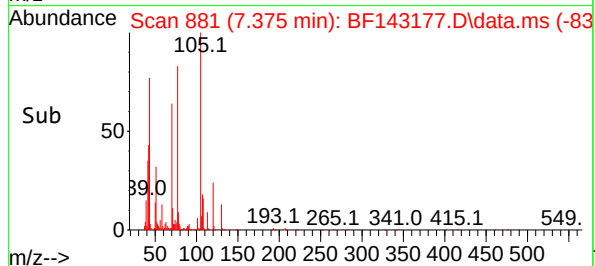
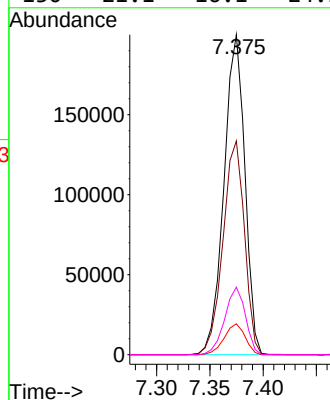
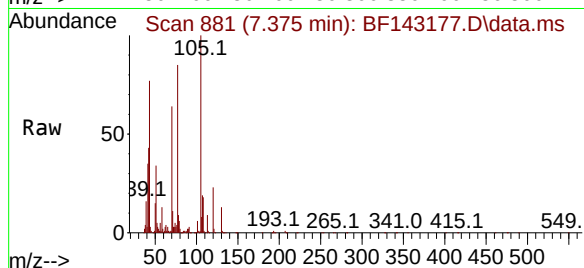
Ion Ratio Lower Upper

70 100

42 66.8 52.5 78.7

101 9.7 7.6 11.4

130 21.1 16.1 24.1



#20

3+4-Methylphenols

Concen: 40.856 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Tgt Ion: 107 Resp: 379841

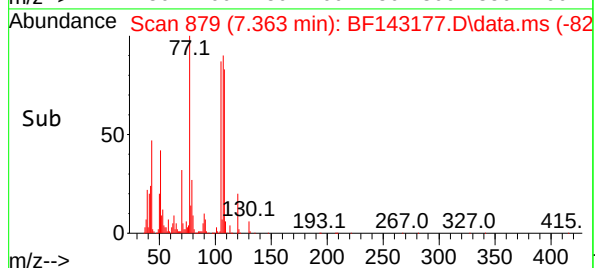
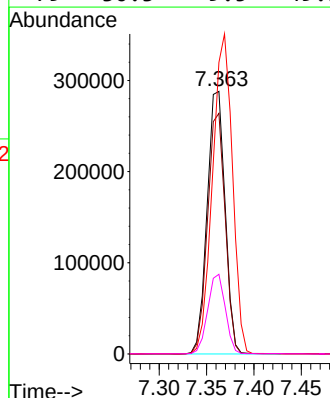
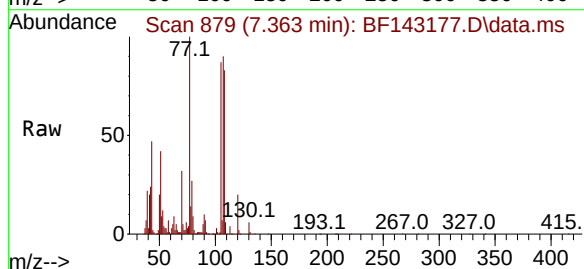
Ion Ratio Lower Upper

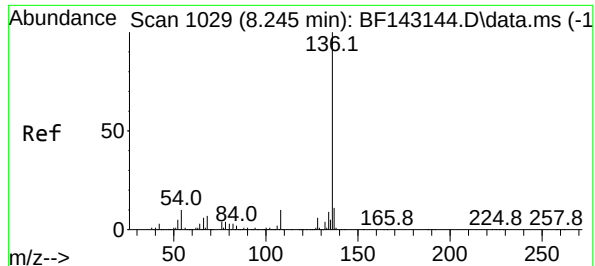
107 100

108 91.6 70.0 110.0

77 111.0 57.8 97.8#

79 30.3 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 540273

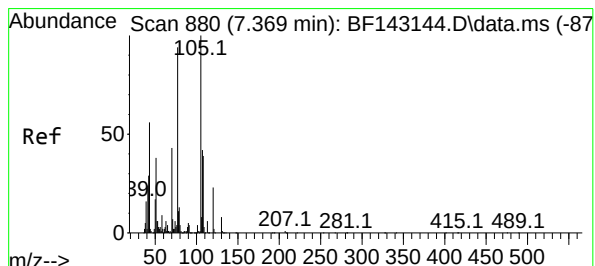
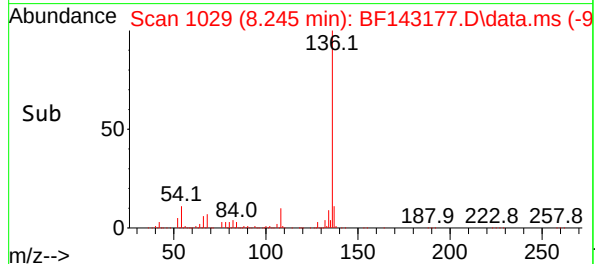
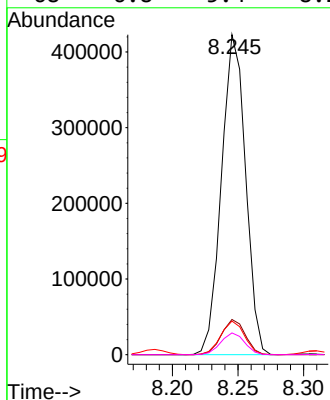
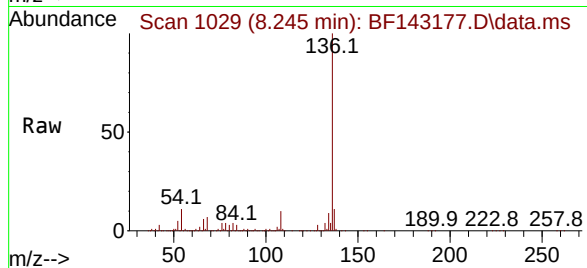
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.5 8.2 12.2

68 6.8 5.4 8.2



#22

Acetophenone

Concen: 38.166 ng

RT: 7.369 min Scan# 880

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Tgt Ion:105 Resp: 488181

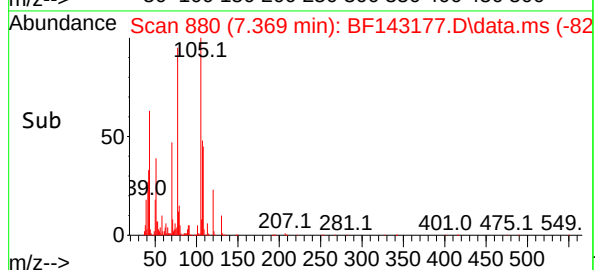
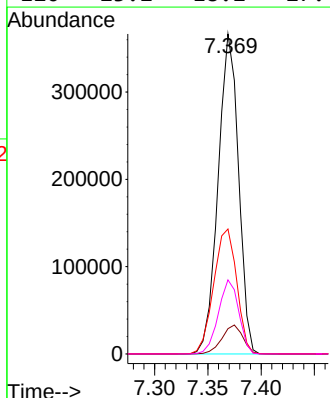
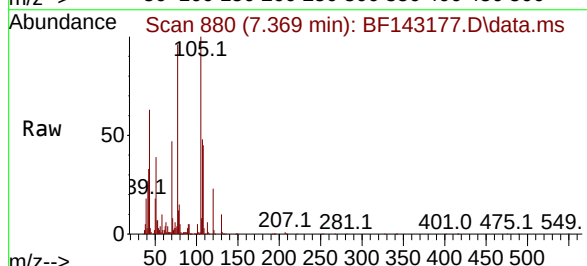
Ion Ratio Lower Upper

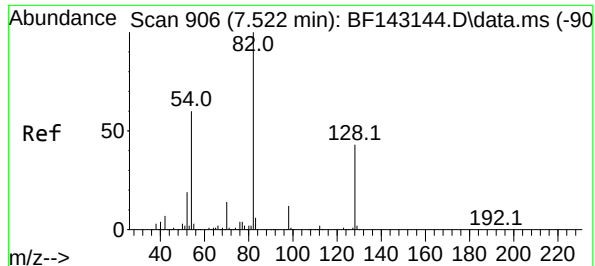
105 100

71 7.9 5.8 8.6

51 39.0 30.2 45.2

120 23.2 18.2 27.4





#23

Nitrobenzene-d5

Concen: 79.820 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

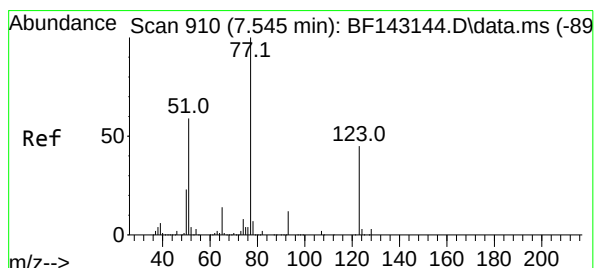
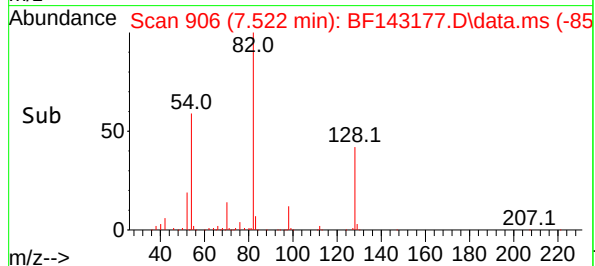
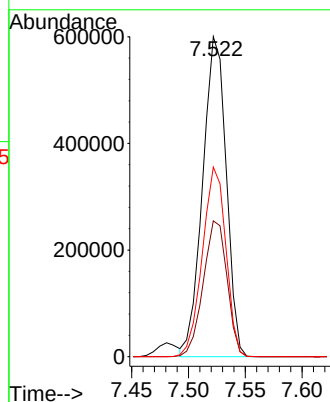
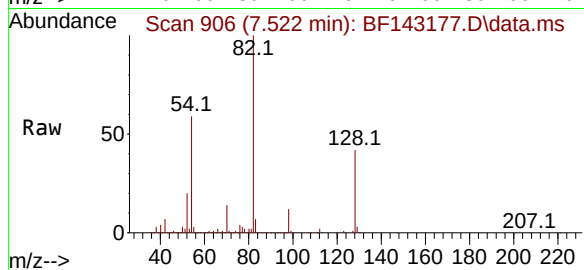
Tgt Ion: 82 Resp: 865138

Ion Ratio Lower Upper

82 100

128 42.5 33.6 50.4

54 59.2 47.1 70.7



#24

Nitrobenzene

Concen: 39.931 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

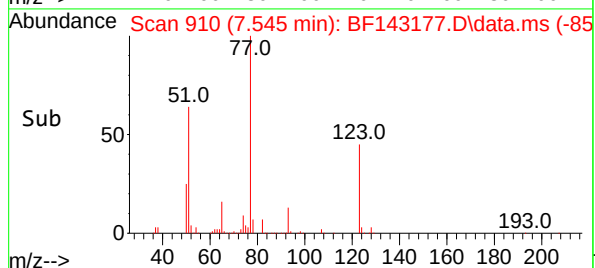
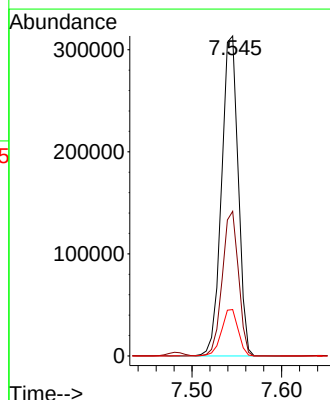
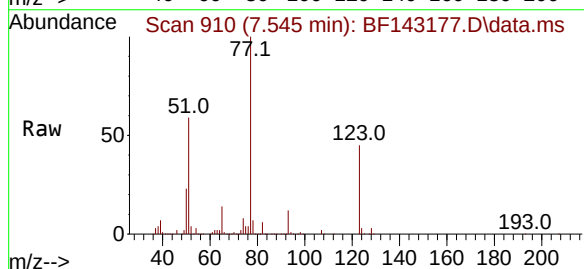
Tgt Ion: 77 Resp: 403502

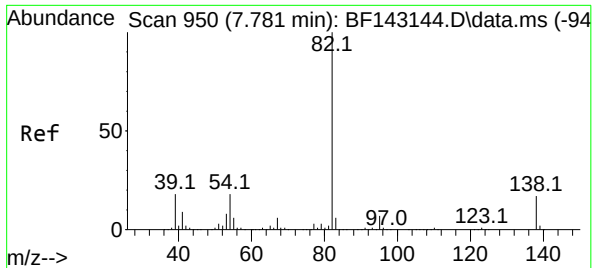
Ion Ratio Lower Upper

77 100

123 45.2 36.1 54.1

65 14.5 11.4 17.2





#25

Isophorone

Concen: 39.403 ng

RT: 7.781 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

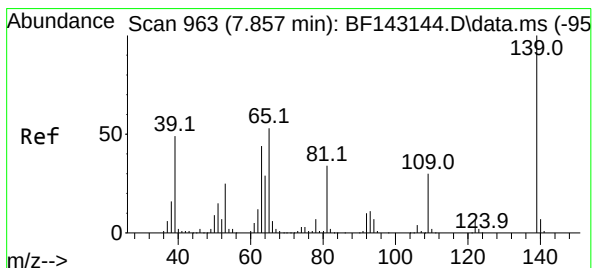
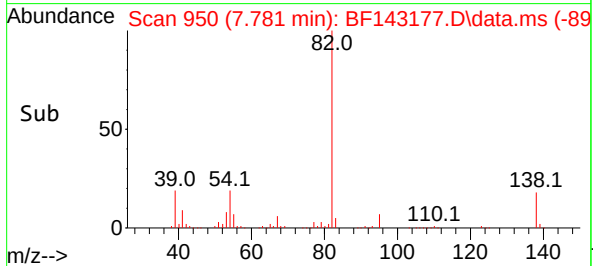
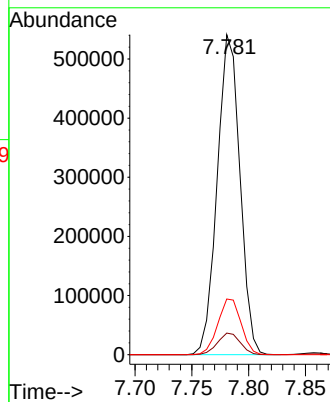
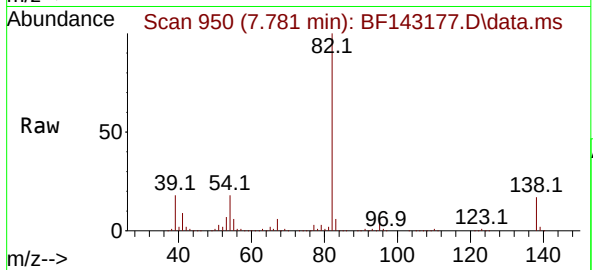
Tgt Ion: 82 Resp: 753928

Ion Ratio Lower Upper

82 100

95 6.7 5.5 8.3

138 17.4 13.8 20.8



#26

2-Nitrophenol

Concen: 42.420 ng

RT: 7.857 min Scan# 963

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

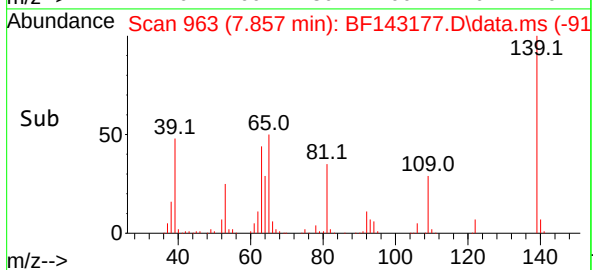
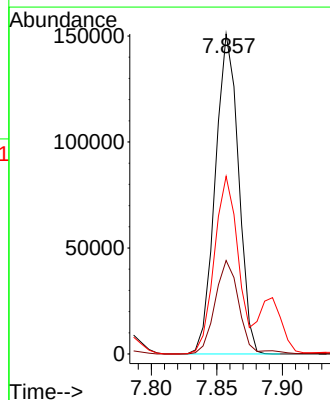
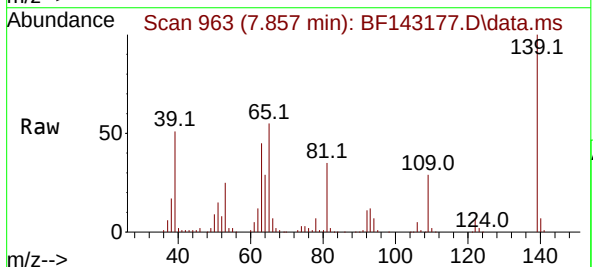
Tgt Ion:139 Resp: 186034

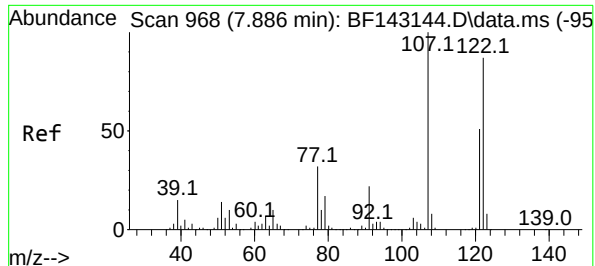
Ion Ratio Lower Upper

139 100

109 29.2 23.6 35.4

65 55.5 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 39.039 ng

RT: 7.892 min Scan# 968

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

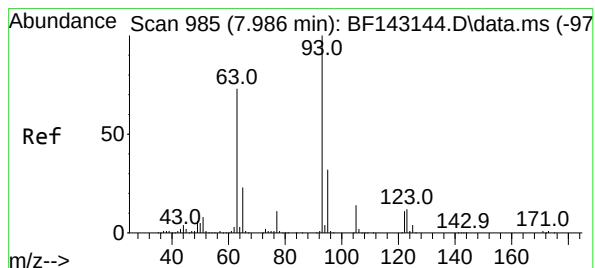
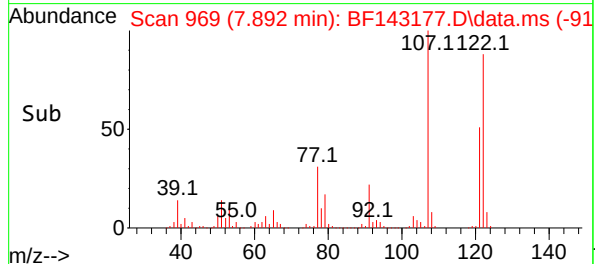
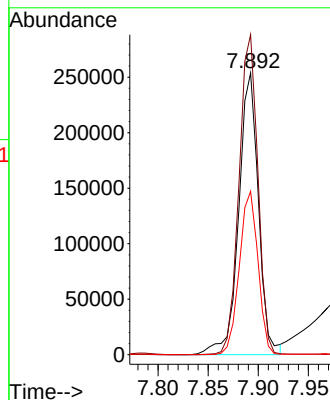
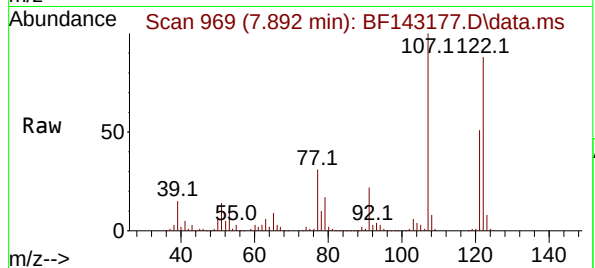
Tgt Ion:122 Resp: 348982

Ion Ratio Lower Upper

122 100

107 113.6 91.8 137.6

121 58.0 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 38.742 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

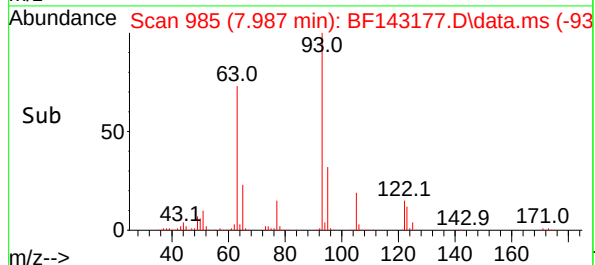
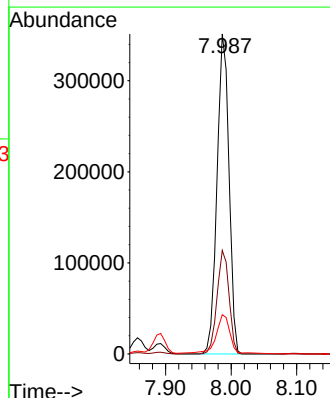
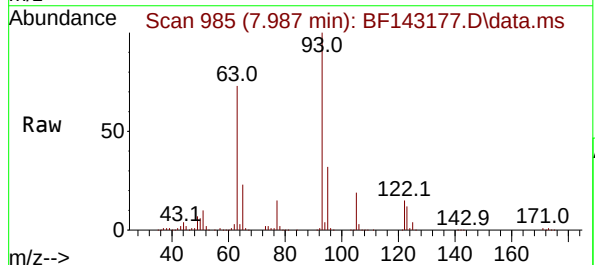
Tgt Ion: 93 Resp: 444443

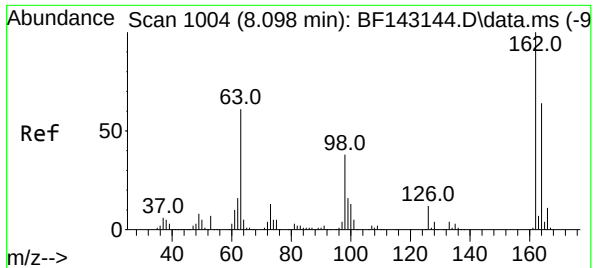
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 39.284 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

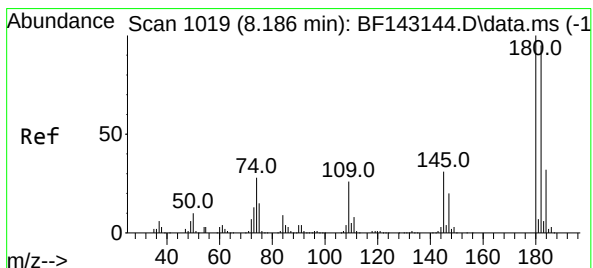
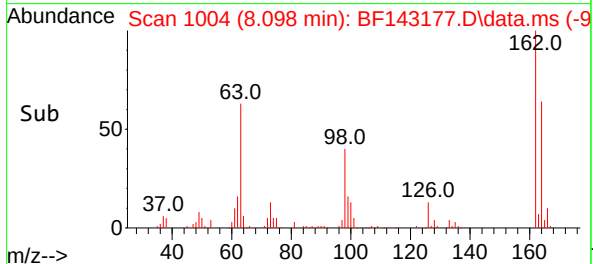
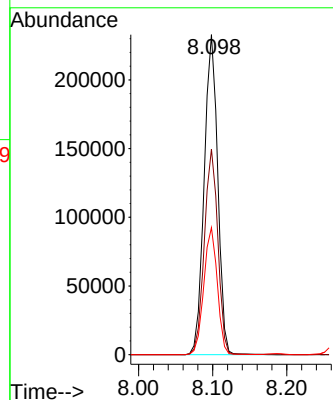
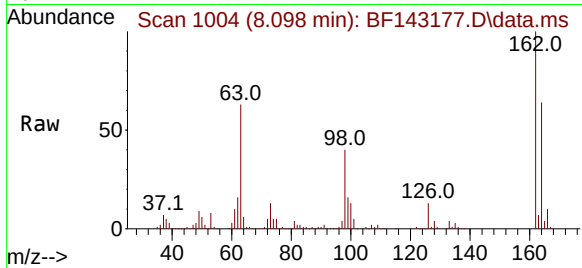
Tgt Ion:162 Resp: 296155

Ion Ratio Lower Upper

162 100

164 64.3 44.2 84.2

98 39.7 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 38.597 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

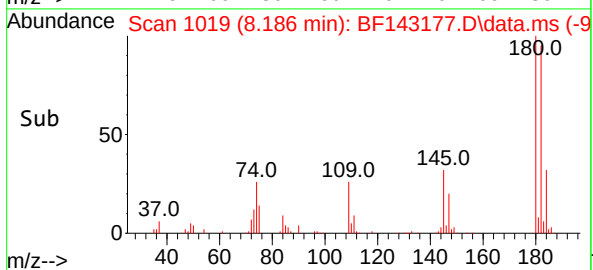
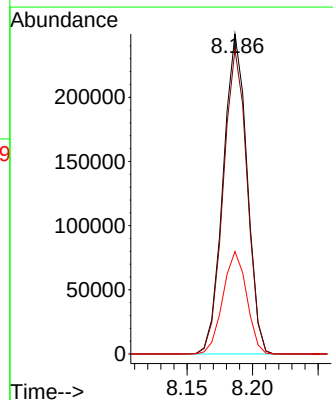
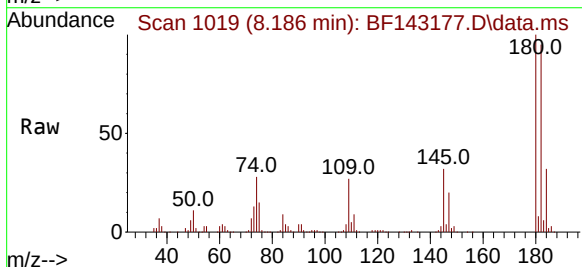
Tgt Ion:180 Resp: 314359

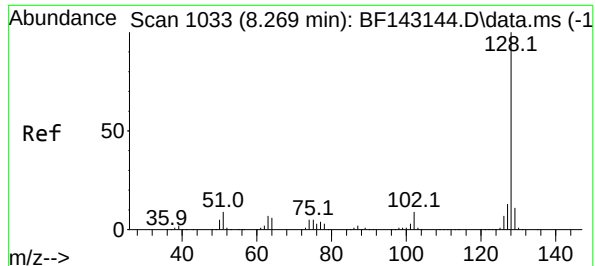
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

145 32.0 25.0 37.6





#31

Naphthalene

Concen: 38.661 ng

RT: 8.269 min Scan# 1033

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

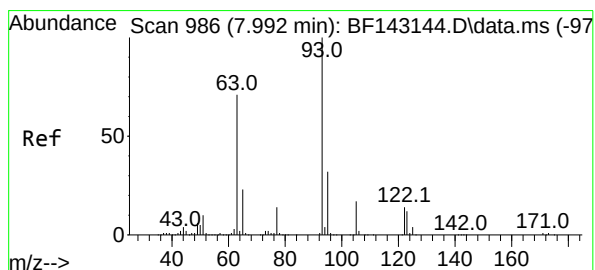
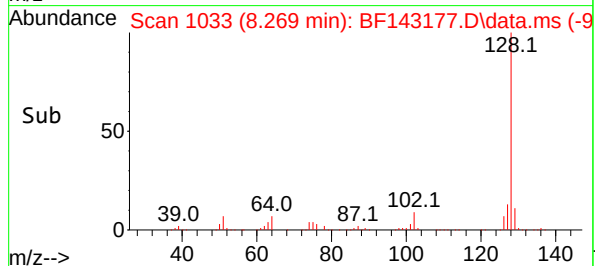
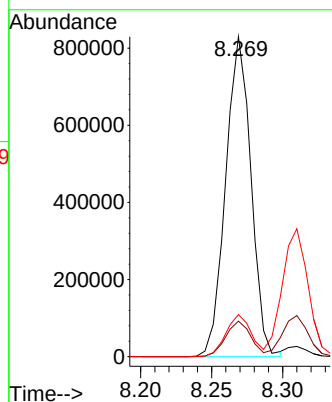
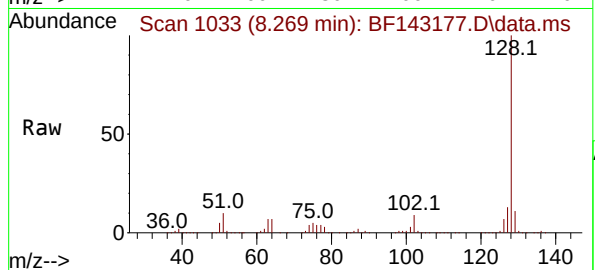
Tgt Ion:128 Resp: 1028678

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.1 10.6 16.0



#32

Benzoic acid

Concen: 42.399 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

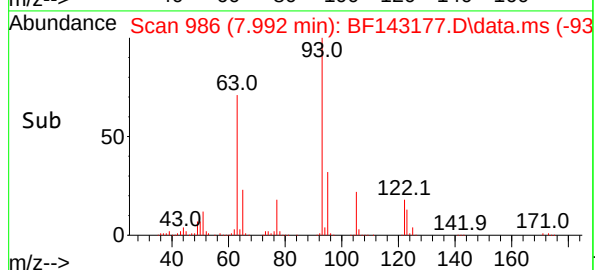
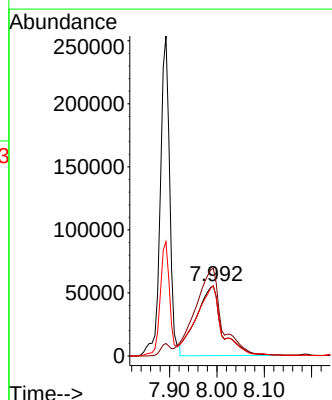
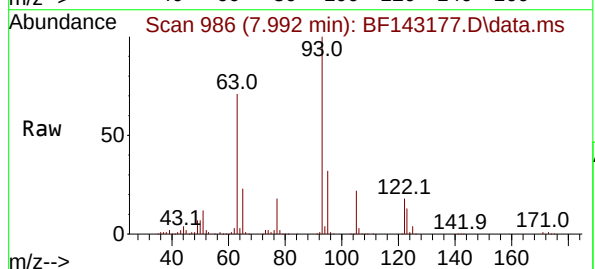
Tgt Ion:122 Resp: 210097

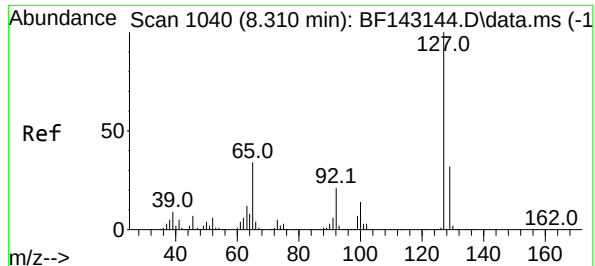
Ion Ratio Lower Upper

122 100

105 125.0 104.8 144.8

77 100.1 77.6 117.6





#33

4-Chloroaniline

Concen: 39.296 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 426934

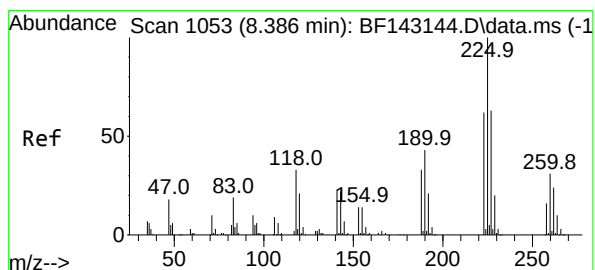
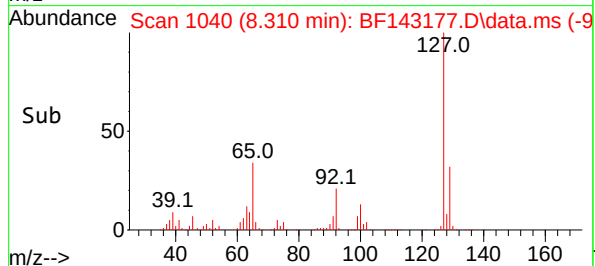
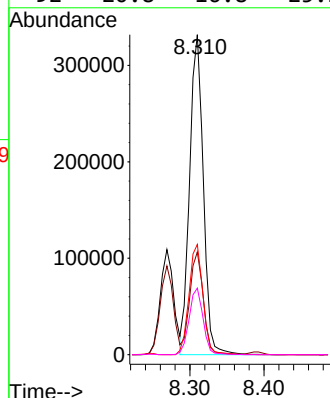
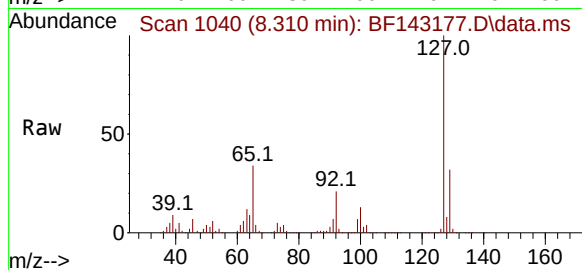
Ion Ratio Lower Upper

127 100

129 32.1 26.0 39.0

65 34.5 27.4 41.2

92 20.8 16.8 25.2



#34

Hexachlorobutadiene

Concen: 38.797 ng

RT: 8.392 min Scan# 1054

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

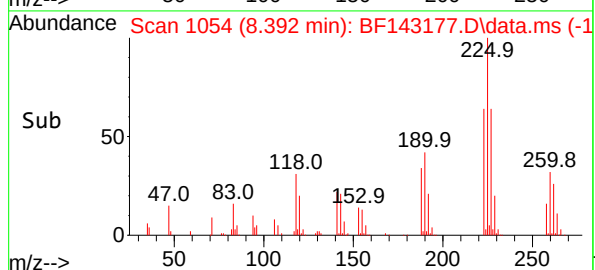
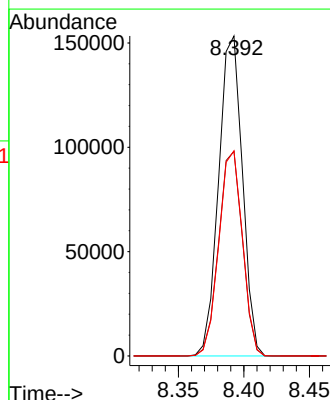
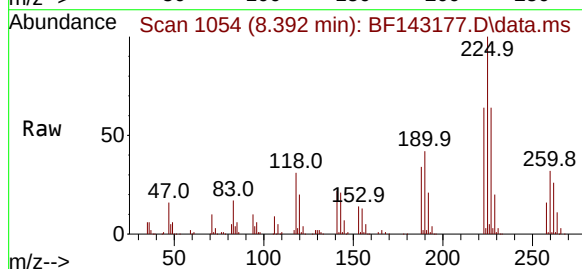
Tgt Ion:225 Resp: 193031

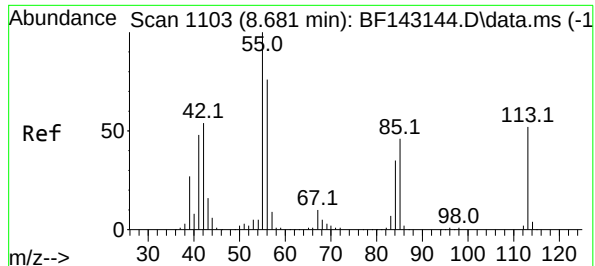
Ion Ratio Lower Upper

225 100

223 63.9 49.8 74.6

227 64.1 50.2 75.4





#35

Caprolactam

Concen: 43.497 ng

RT: 8.681 min Scan# 1103

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

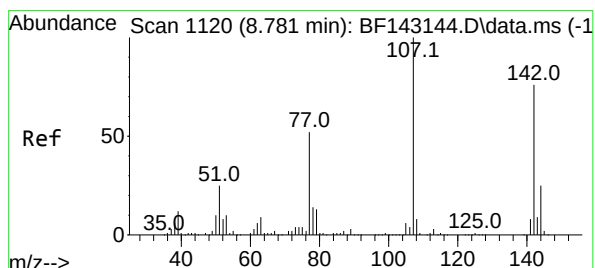
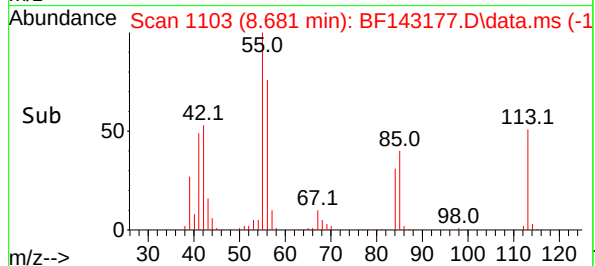
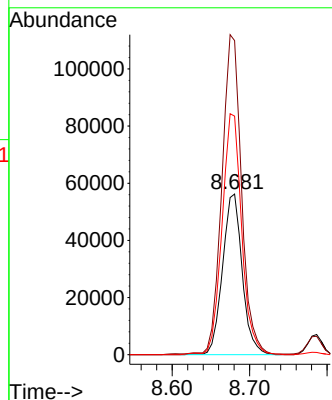
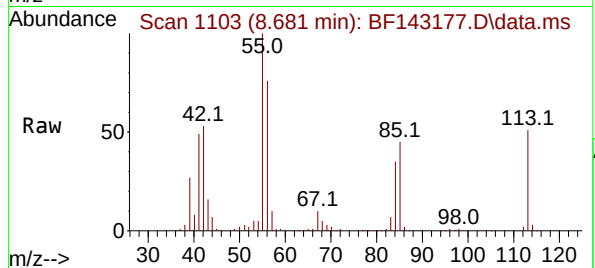
Tgt Ion:113 Resp: 99092

Ion Ratio Lower Upper

113 100

55 195.5 174.0 214.0

56 148.5 126.6 166.6



#36

4-Chloro-3-methylphenol

Concen: 40.031 ng

RT: 8.786 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

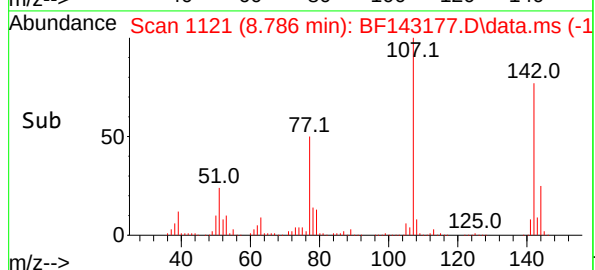
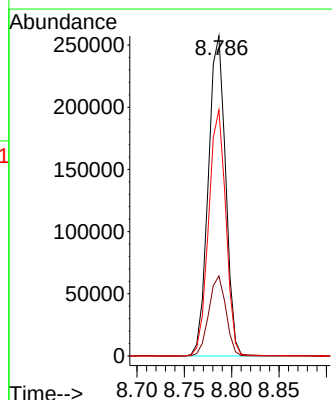
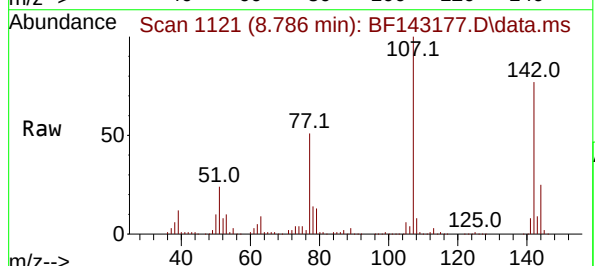
Tgt Ion:107 Resp: 328015

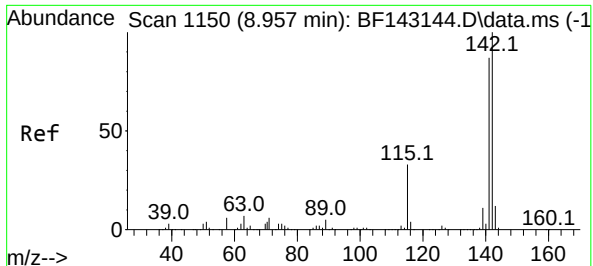
Ion Ratio Lower Upper

107 100

144 25.0 19.8 29.6

142 76.8 60.6 90.8





#37

2-Methylnaphthalene

Concen: 38.948 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

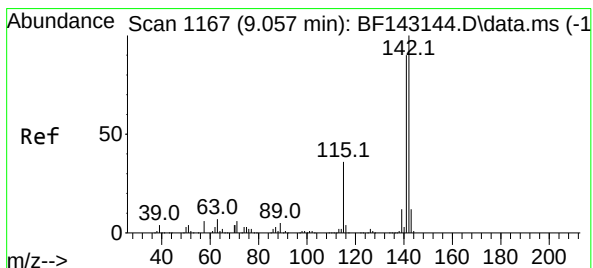
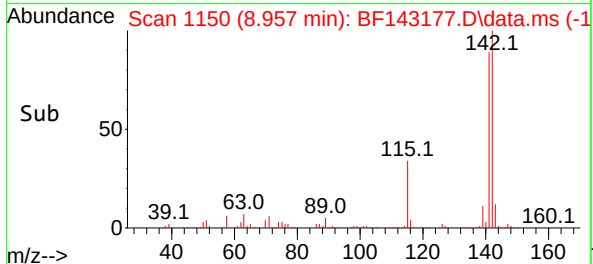
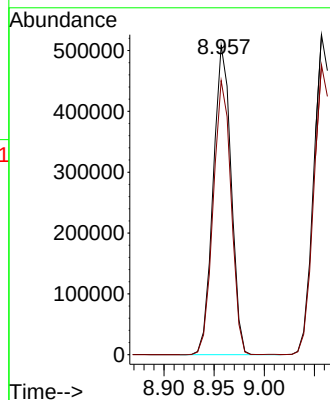
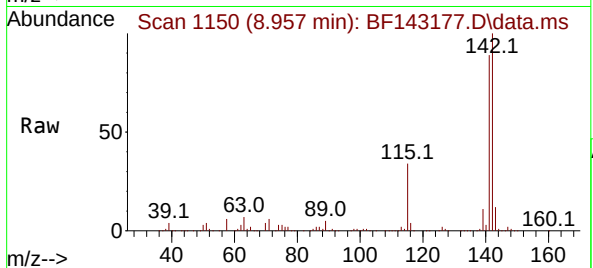
SSTDCCC040

Tgt Ion:142 Resp: 630618

Ion Ratio Lower Upper

142 100

141 88.6 69.9 104.9



#38

1-Methylnaphthalene

Concen: 39.448 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143177.D

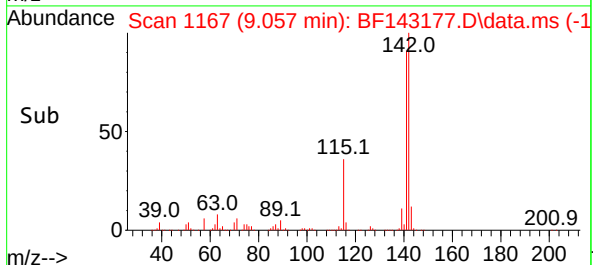
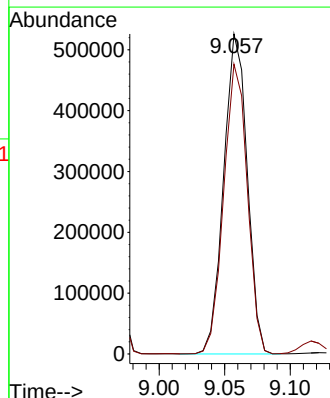
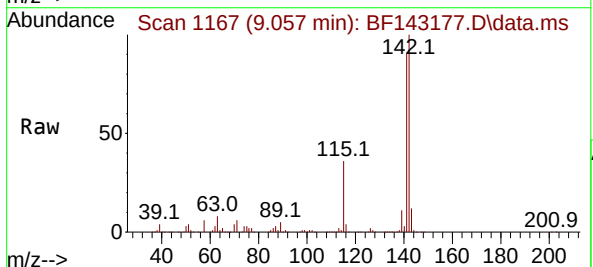
Acq: 22 Jul 2025 08:46

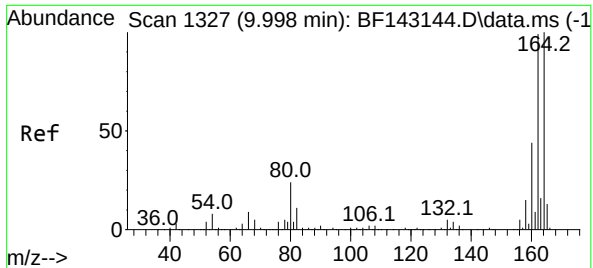
Tgt Ion:142 Resp: 657714

Ion Ratio Lower Upper

142 100

141 90.6 72.3 108.5

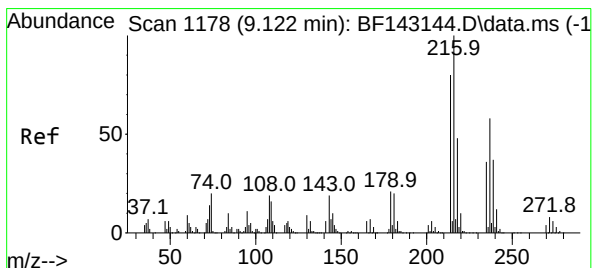
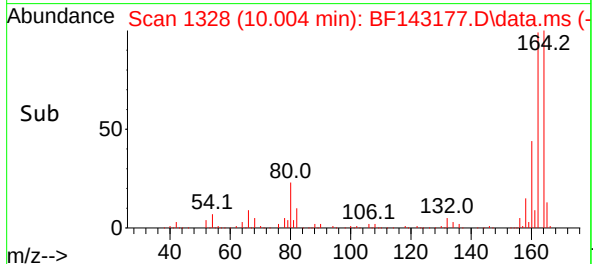
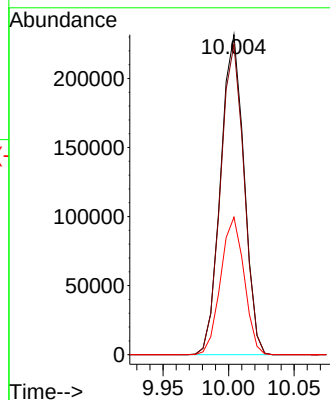
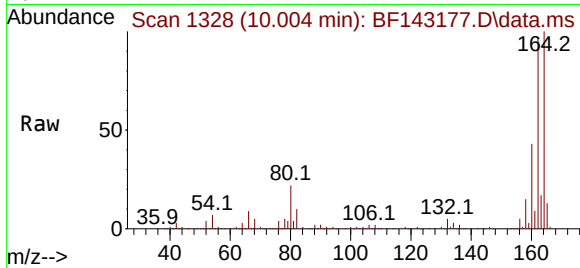




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

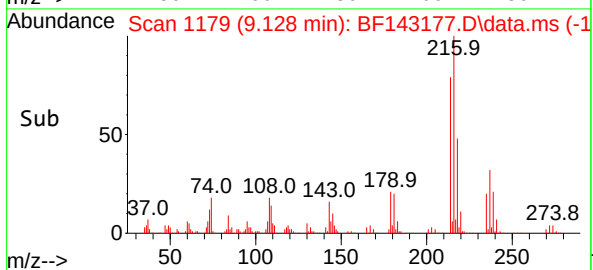
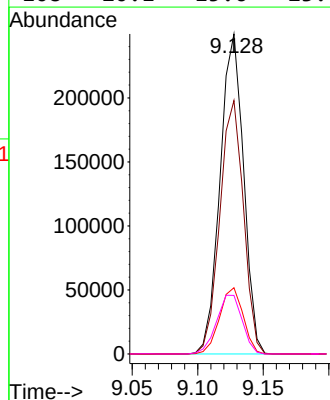
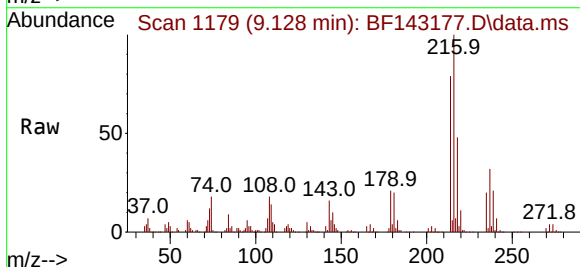
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

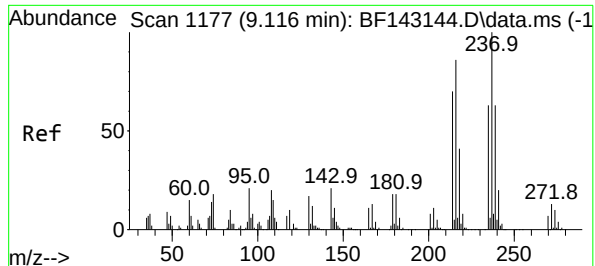
Tgt Ion:164 Resp: 287067
Ion Ratio Lower Upper
164 100
162 96.9 79.0 118.6
160 43.0 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.530 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:216 Resp: 311045
Ion Ratio Lower Upper
216 100
214 79.4 63.8 95.8
179 20.9 16.4 24.6
108 20.1 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 38.857 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

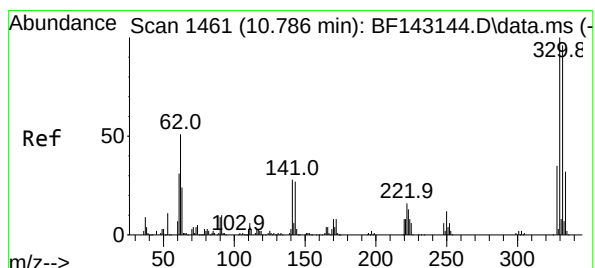
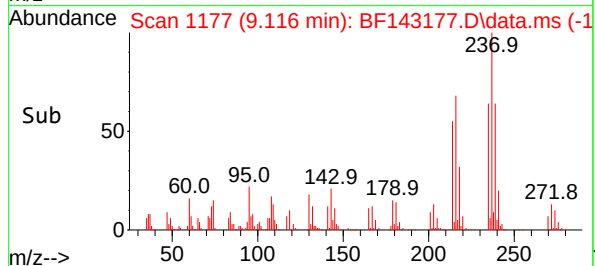
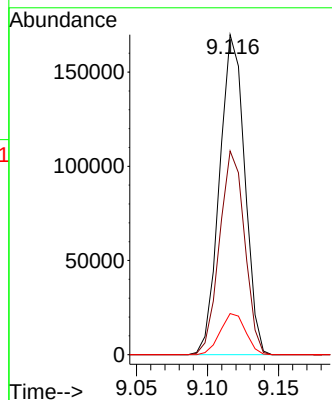
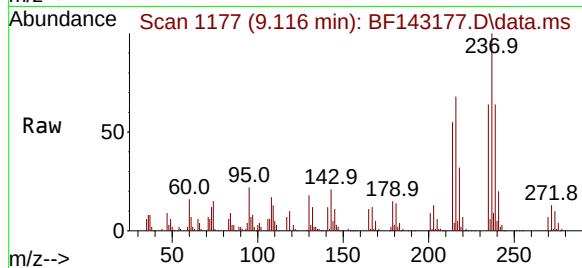
Tgt Ion:237 Resp: 209543

Ion Ratio Lower Upper

237 100

235 63.7 43.0 83.0

272 12.8 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 83.135 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

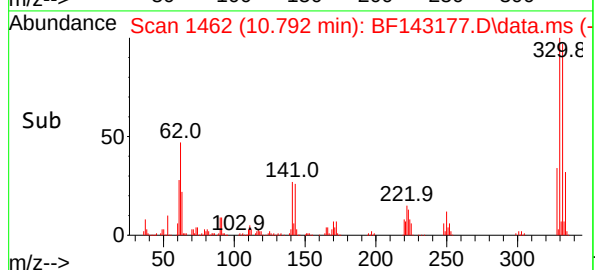
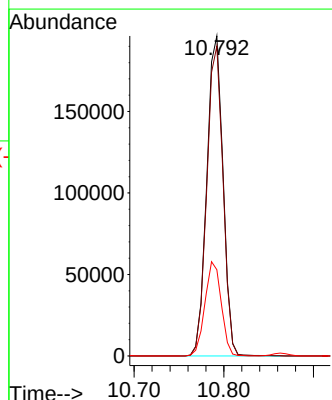
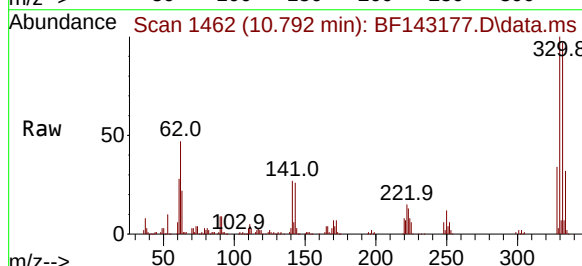
Tgt Ion:330 Resp: 246542

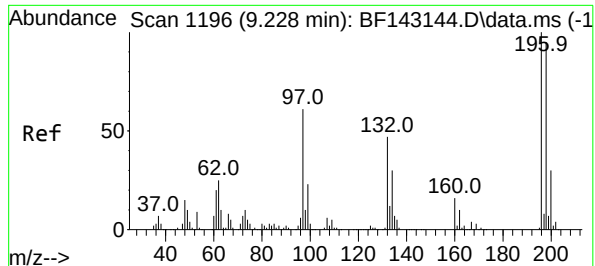
Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

141 29.6 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 38.716 ng

RT: 9.233 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

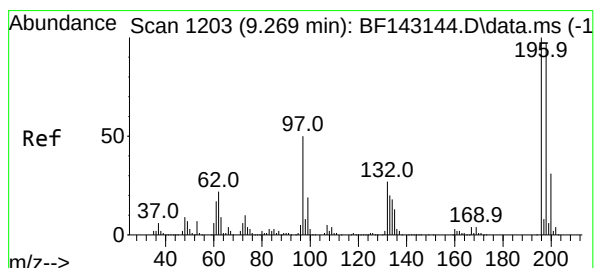
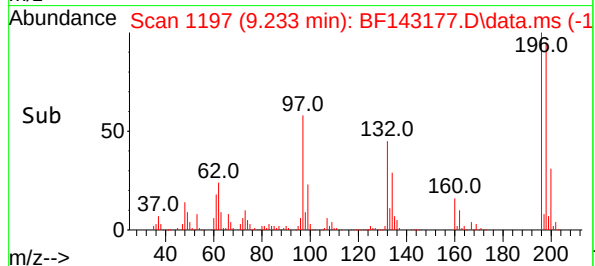
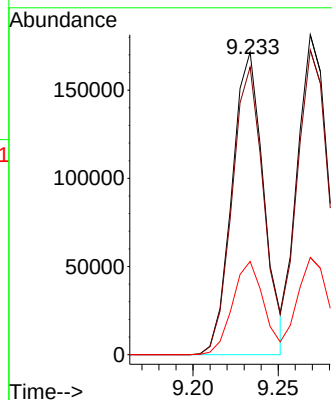
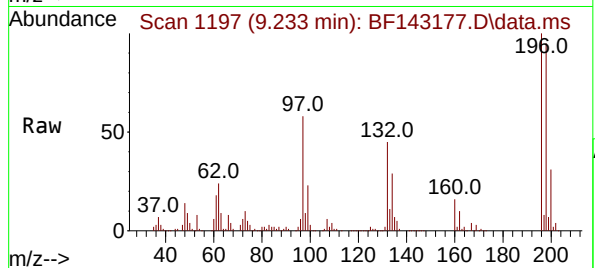
Tgt Ion:196 Resp: 222071

Ion Ratio Lower Upper

196 100

198 95.0 76.2 114.2

200 30.8 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 39.609 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Tgt Ion:196 Resp: 227262

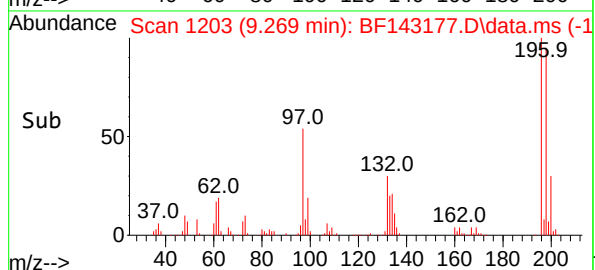
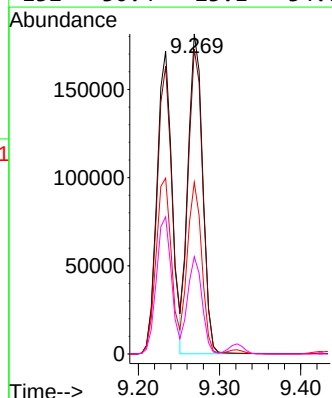
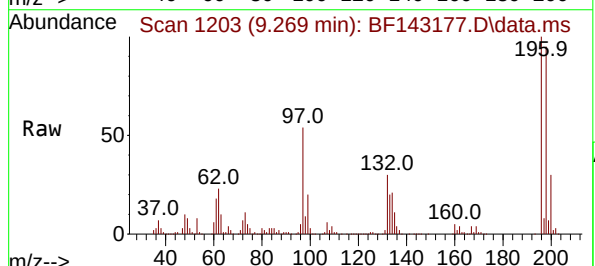
Ion Ratio Lower Upper

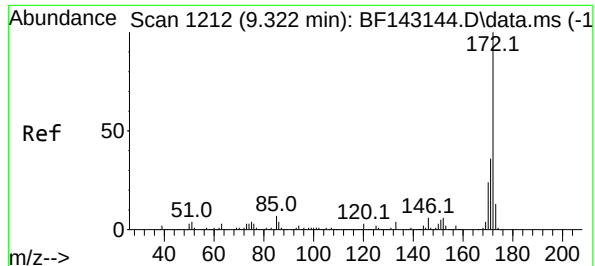
196 100

198 95.2 77.3 115.9

97 53.7 40.3 60.5

132 30.4 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.477 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

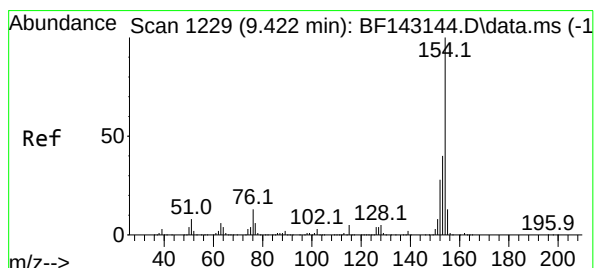
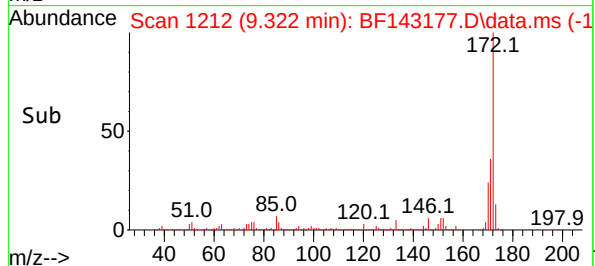
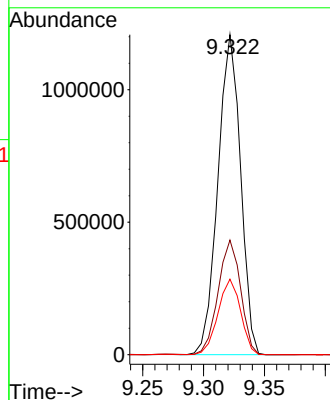
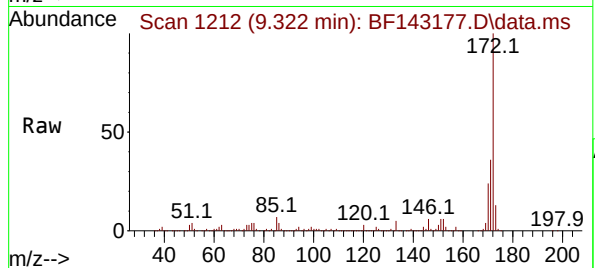
Tgt Ion:172 Resp: 1563287

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 38.059 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

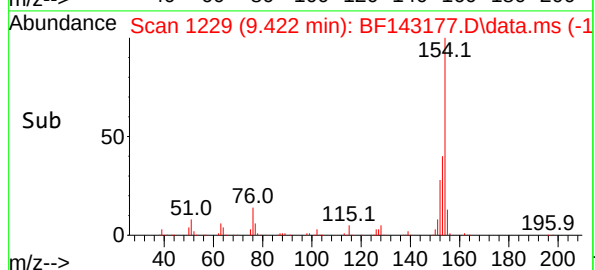
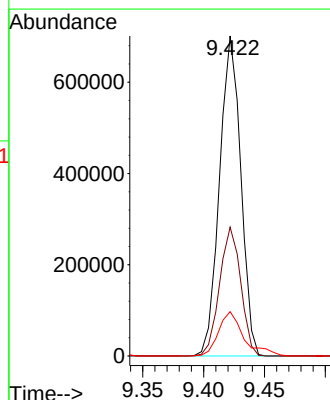
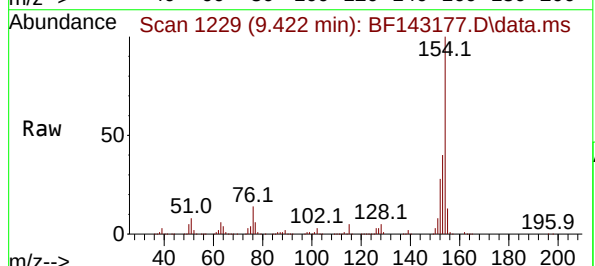
Tgt Ion:154 Resp: 852399

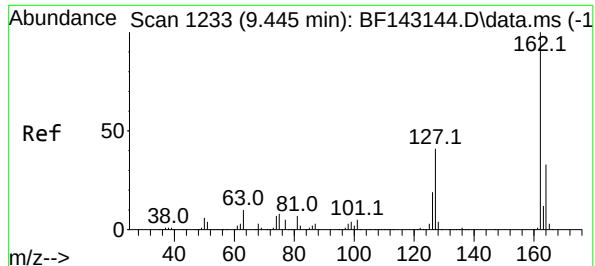
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.8 0.0 33.3





#47

2-Chloronaphthalene

Concen: 38.067 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

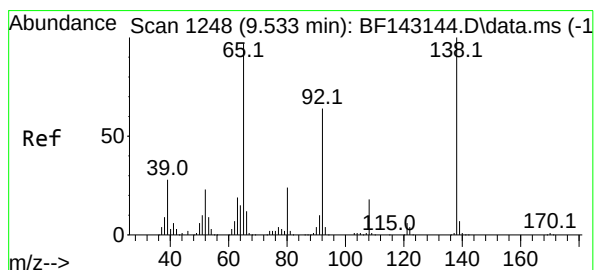
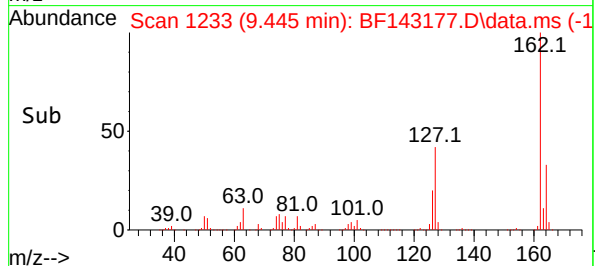
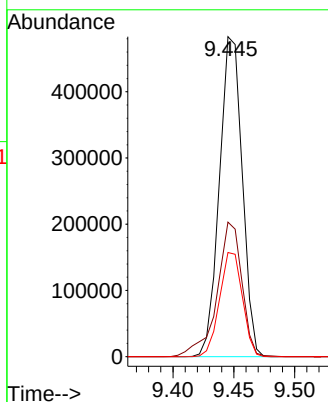
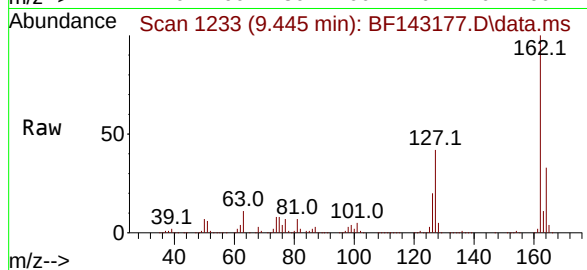
Tgt Ion:162 Resp: 630848

Ion Ratio Lower Upper

162 100

127 42.0 33.4 50.2

164 32.6 26.2 39.2



#48

2-Nitroaniline

Concen: 42.277 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

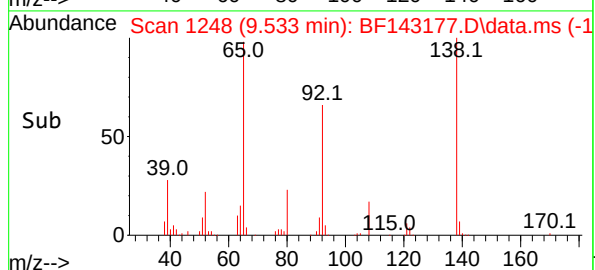
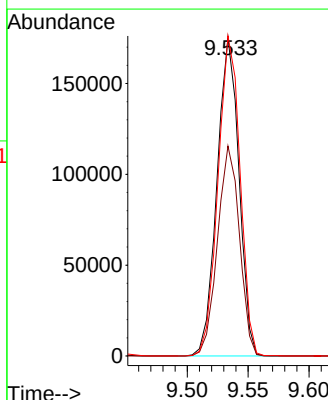
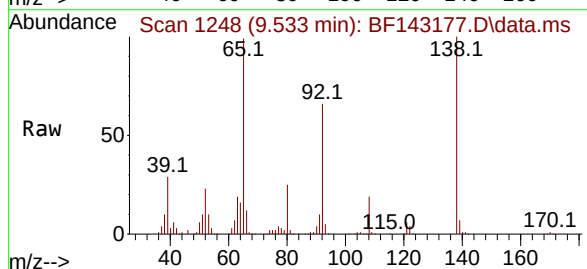
Tgt Ion: 65 Resp: 219714

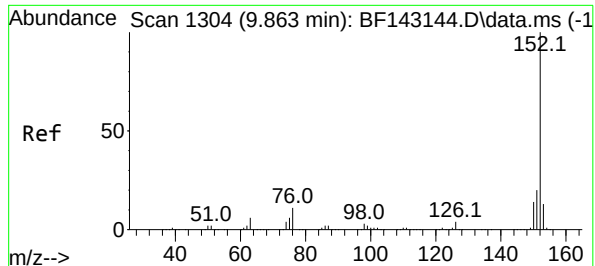
Ion Ratio Lower Upper

65 100

92 65.9 52.4 78.6

138 100.5 82.3 123.5





#49

Acenaphthylene

Concen: 38.541 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

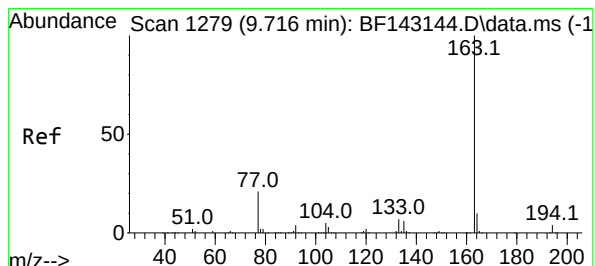
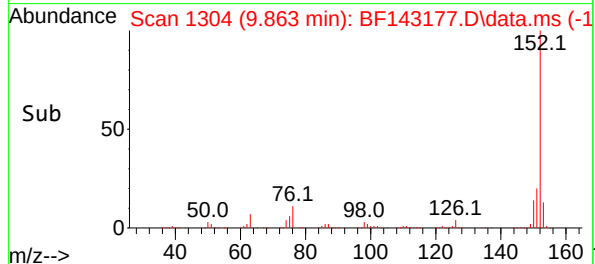
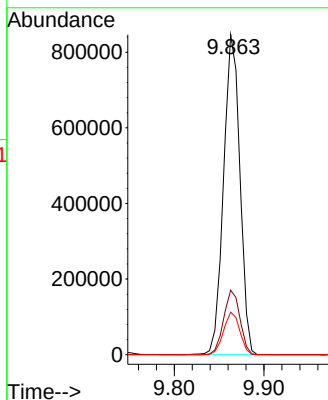
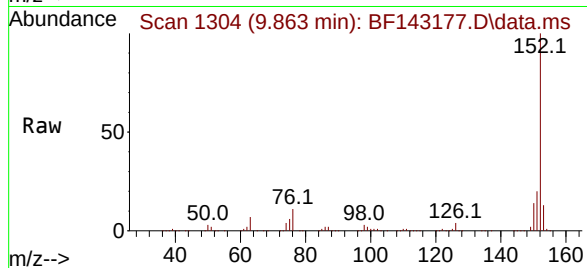
Tgt Ion:152 Resp: 1070369

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 39.501 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

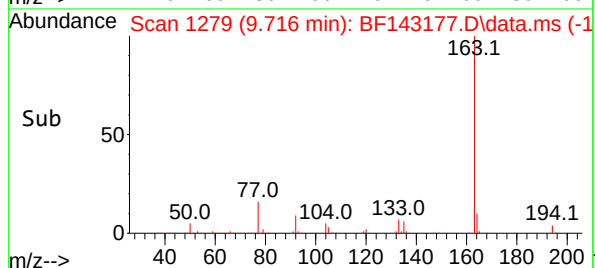
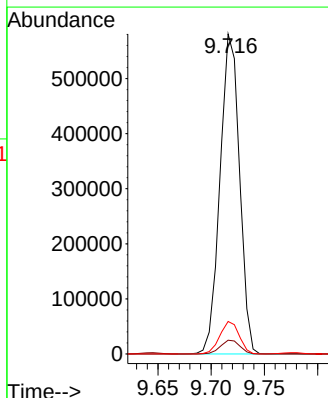
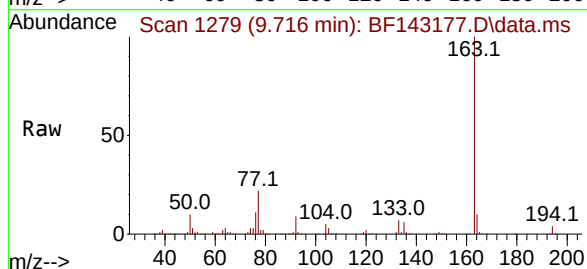
Tgt Ion:163 Resp: 739129

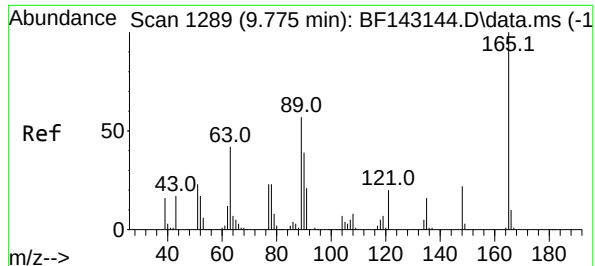
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.1 8.3 12.5

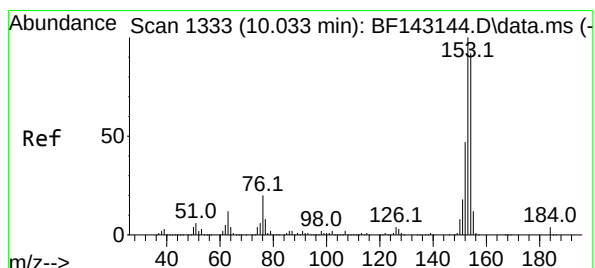
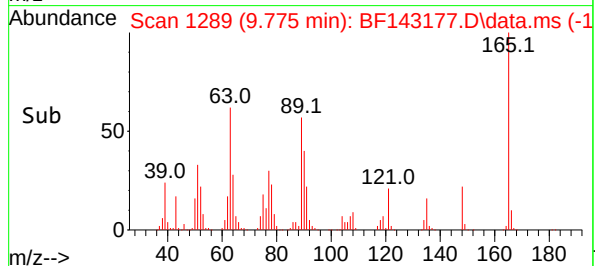
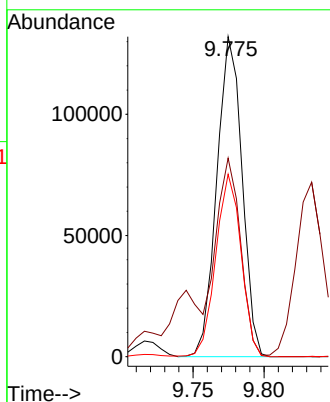
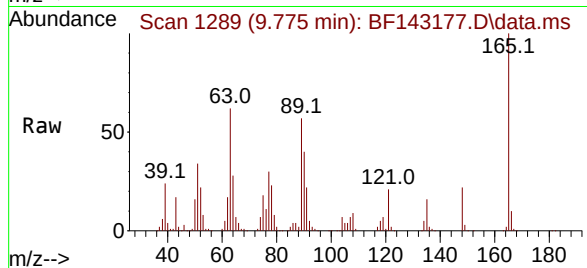




#51
2,6-Dinitrotoluene
Concen: 42.869 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

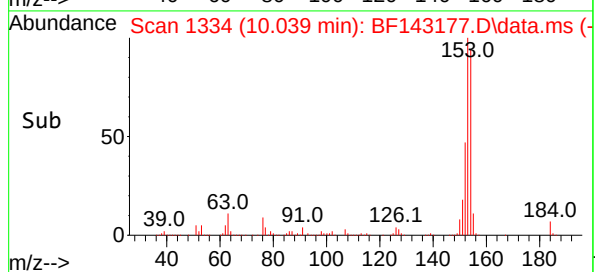
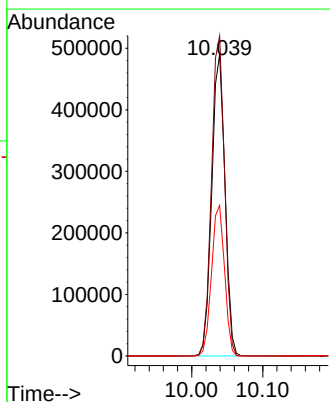
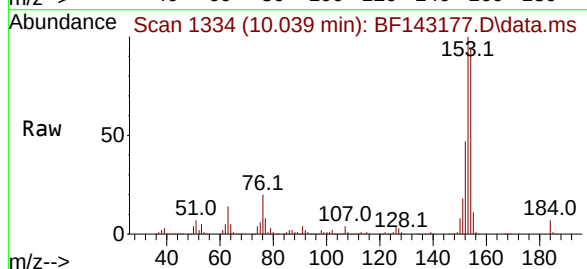
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

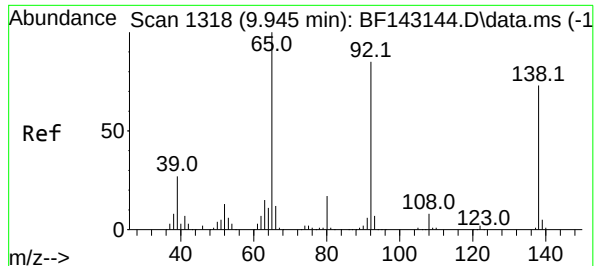
Tgt Ion:165 Resp: 163183
Ion Ratio Lower Upper
165 100
63 62.1 49.4 74.2
89 57.0 46.2 69.2



#52
Acenaphthene
Concen: 38.656 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:154 Resp: 634518
Ion Ratio Lower Upper
154 100
153 106.2 86.6 129.8
152 50.0 40.4 60.6





#53

3-Nitroaniline

Concen: 41.017 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

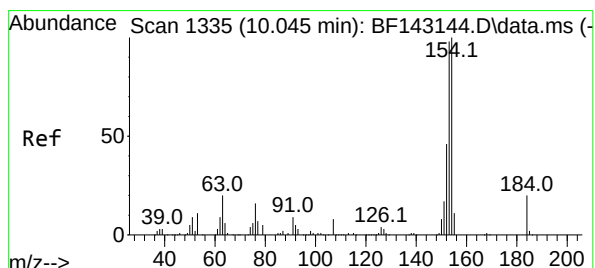
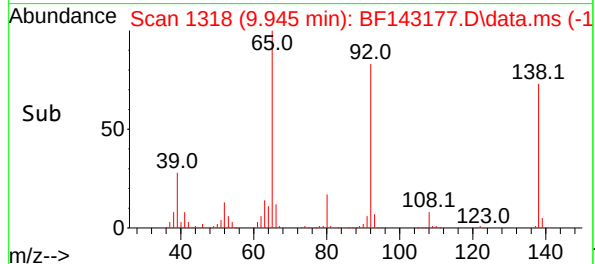
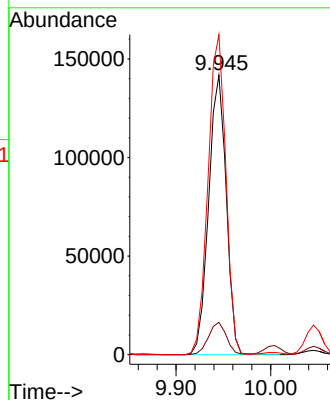
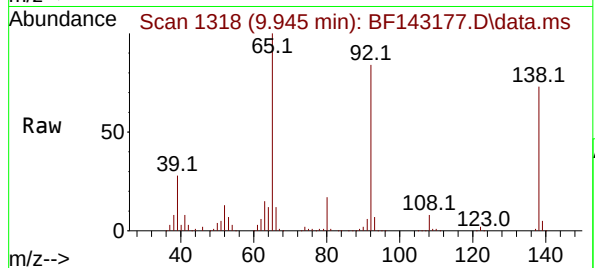
Tgt Ion:138 Resp: 182622

Ion Ratio Lower Upper

138 100

108 11.6 9.0 13.6

92 114.5 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 43.071 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

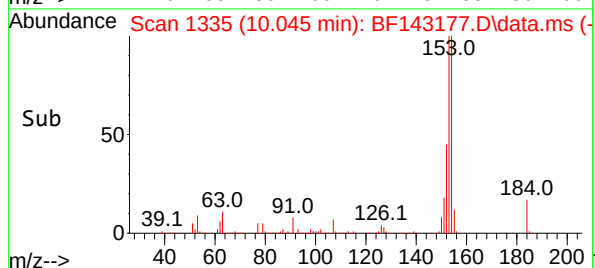
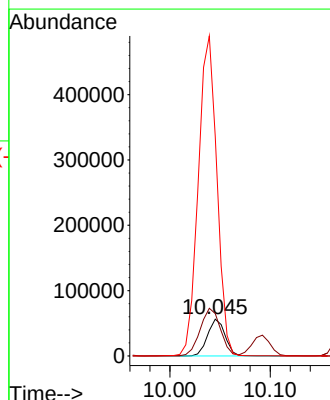
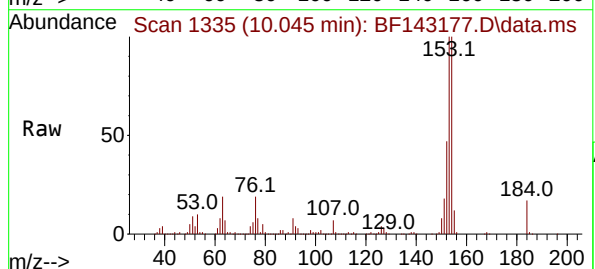
Tgt Ion:184 Resp: 68517

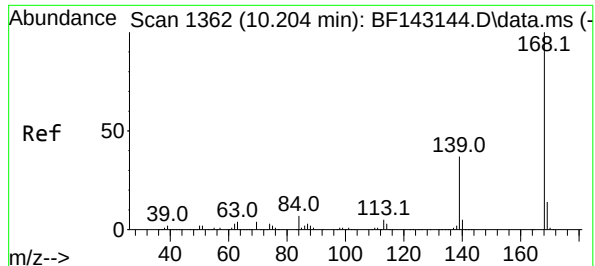
Ion Ratio Lower Upper

184 100

63 115.4 81.8 122.6

154 597.0 412.2 618.4





#55

Dibenzenofuran

Concen: 38.679 ng

RT: 10.210 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

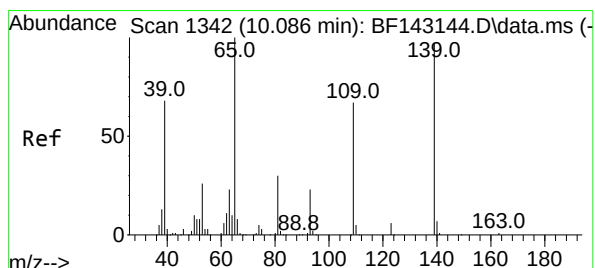
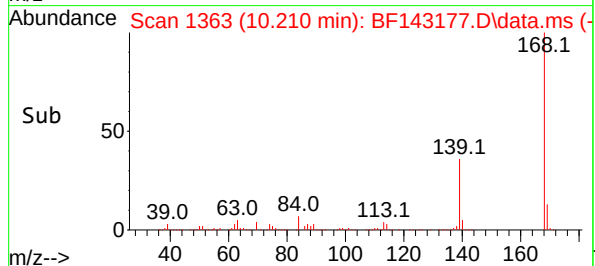
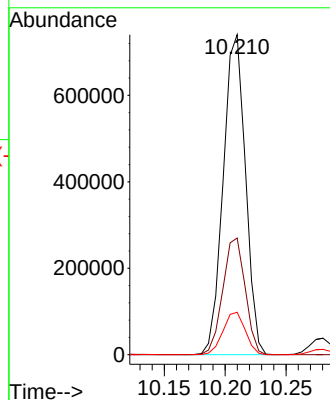
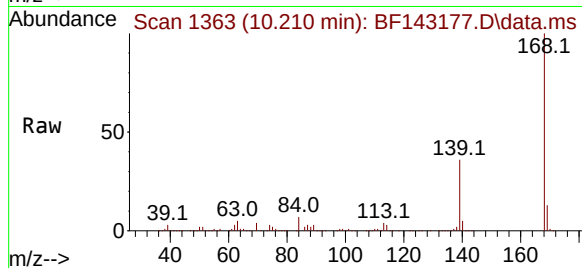
Tgt Ion:168 Resp: 942628

Ion Ratio Lower Upper

168 100

139 36.4 29.5 44.3

169 13.2 10.9 16.3



#56

4-Nitrophenol

Concen: 41.010 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

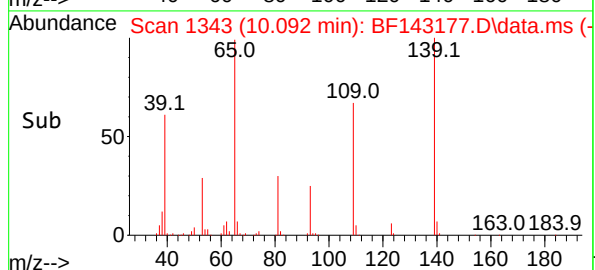
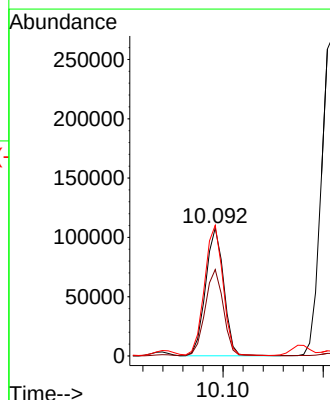
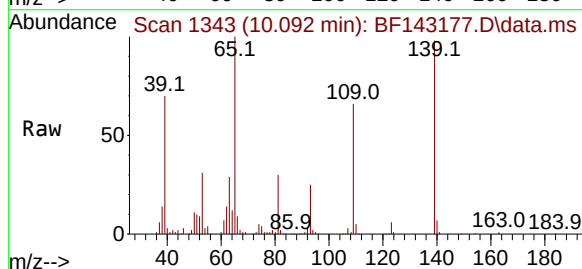
Tgt Ion:139 Resp: 136348

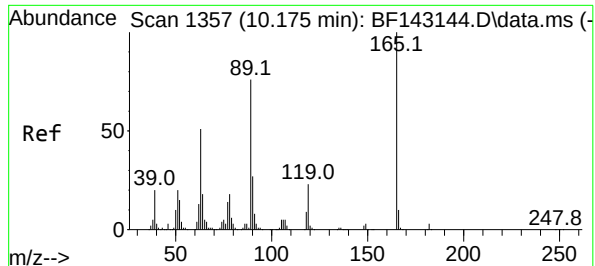
Ion Ratio Lower Upper

139 100

109 67.6 48.5 88.5

65 102.2 83.4 123.4

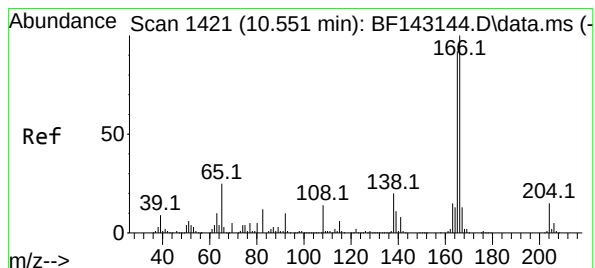
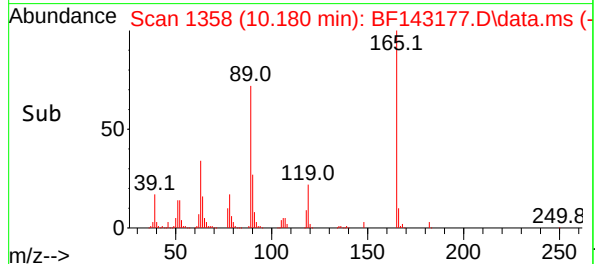
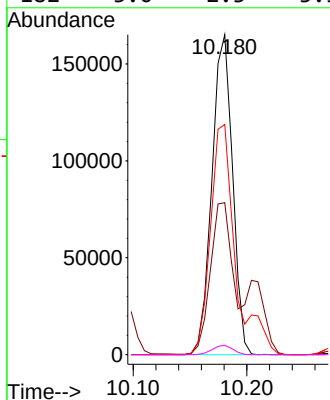
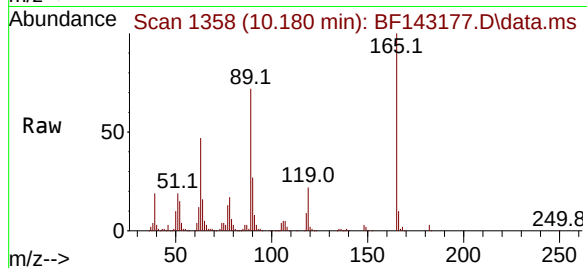




#57
2,4-Dinitrotoluene
Concen: 43.658 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

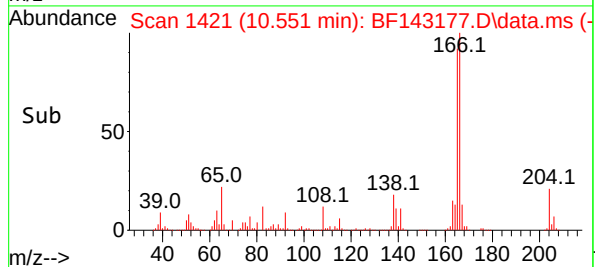
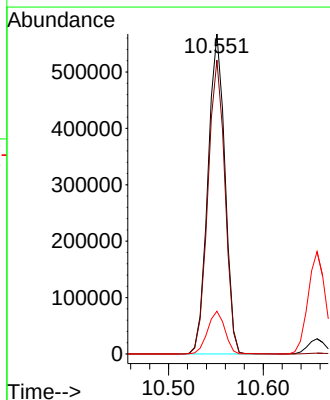
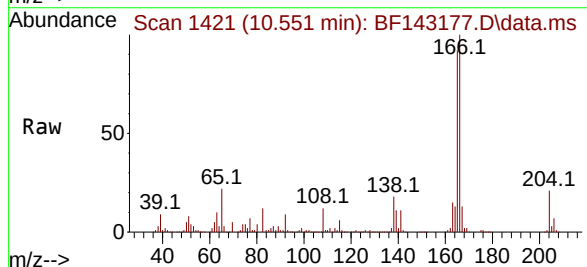
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

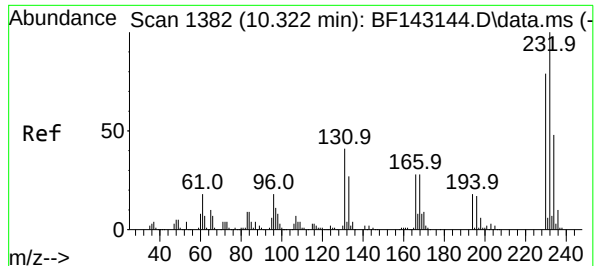
Tgt Ion:165 Resp: 208497
Ion Ratio Lower Upper
165 100
63 47.5 41.0 61.4
89 72.0 61.1 91.7
182 3.0 2.3 3.5



#58
Fluorene
Concen: 38.582 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:166 Resp: 705686
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 13.4 10.6 16.0

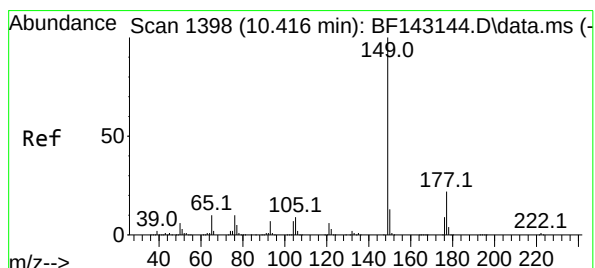
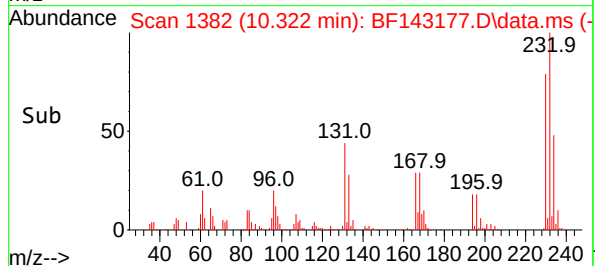
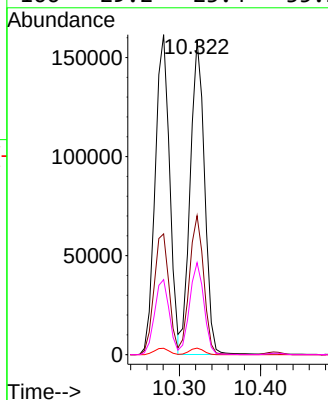
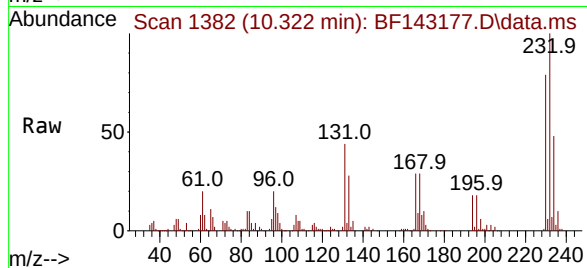




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.130 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

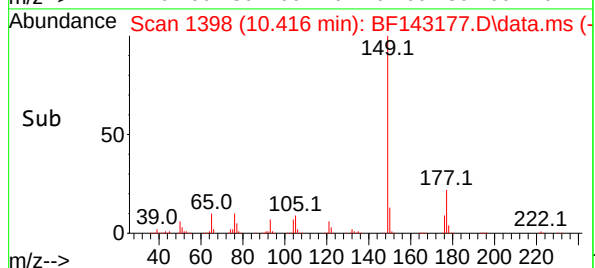
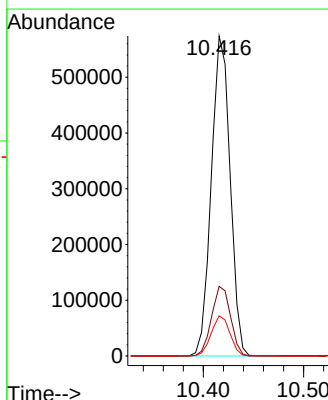
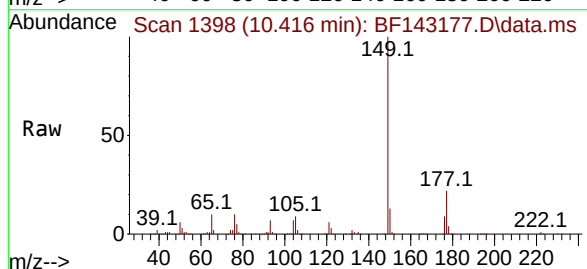
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

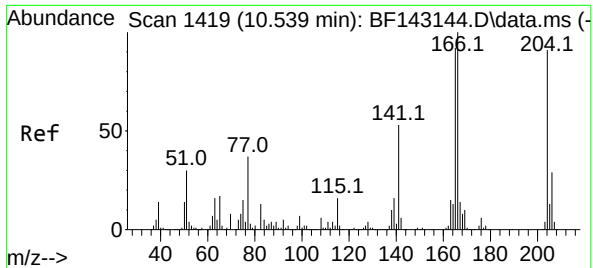
Tgt Ion:232 Resp: 195488
Ion Ratio Lower Upper
232 100
131 43.9 35.3 52.9
130 2.1 1.7 2.5
166 29.2 23.4 35.2



#60
Diethylphthalate
Concen: 40.297 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:149 Resp: 745293
Ion Ratio Lower Upper
149 100
177 21.8 17.5 26.3
150 12.5 10.2 15.2

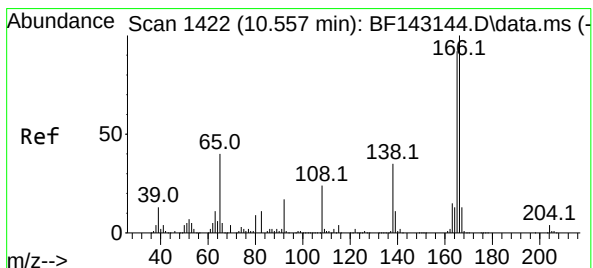
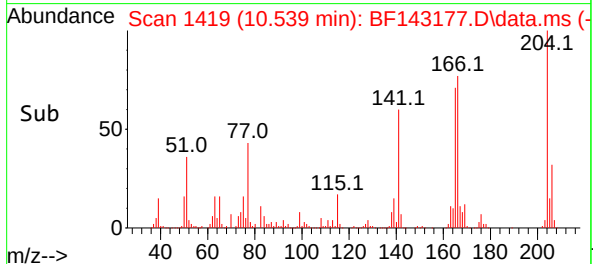
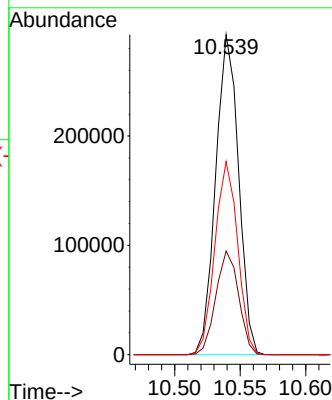
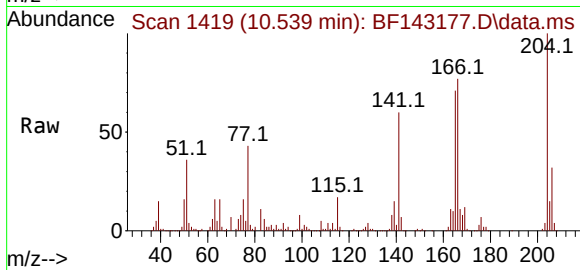




#61
4-Chlorophenyl-phenylether
Concen: 39.006 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

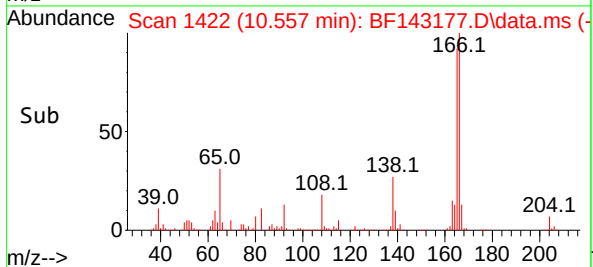
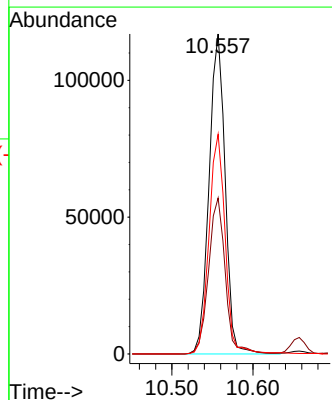
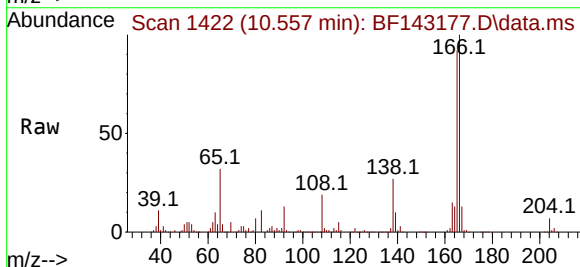
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

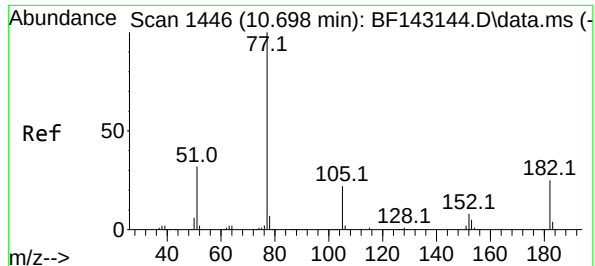
Tgt Ion:204 Resp: 355248
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 60.4 47.0 70.4



#62
4-Nitroaniline
Concen: 42.030 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:138 Resp: 160383
Ion Ratio Lower Upper
138 100
92 48.8 29.3 69.3
108 68.6 48.3 88.3

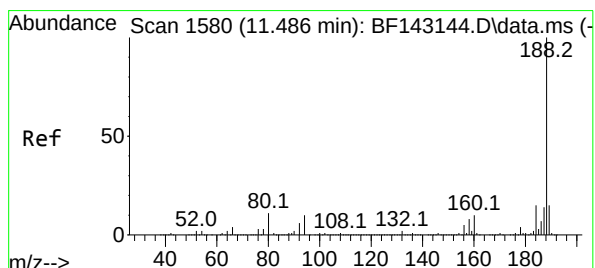
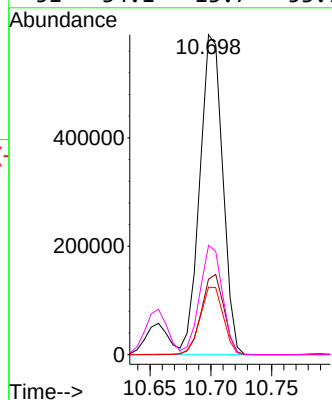
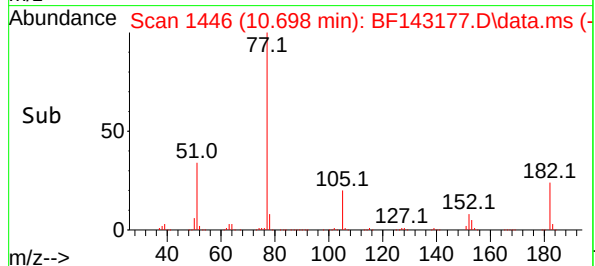
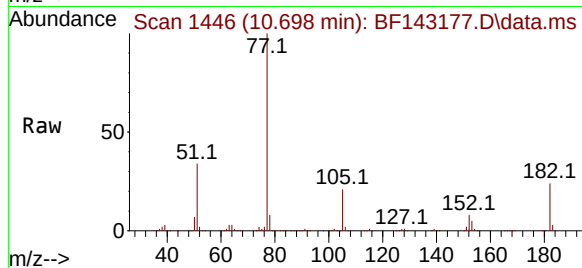




#63
Azobenzene
Concen: 39.955 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

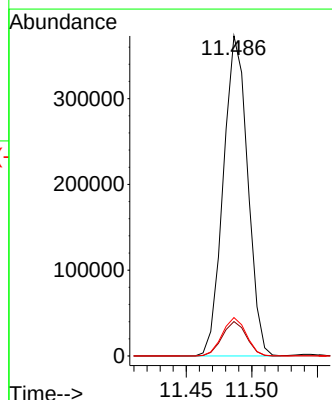
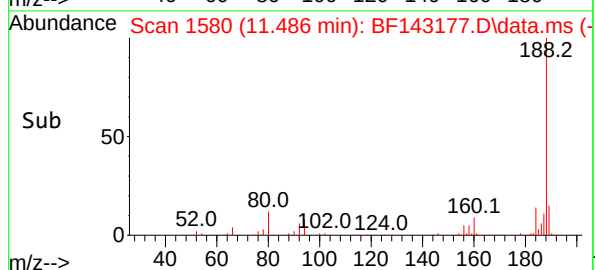
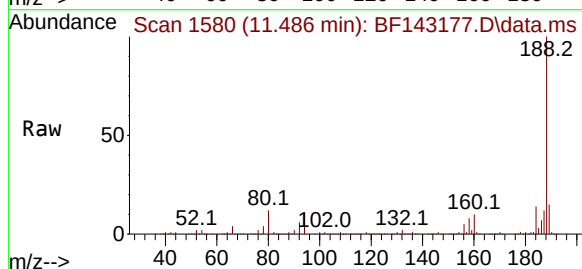
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

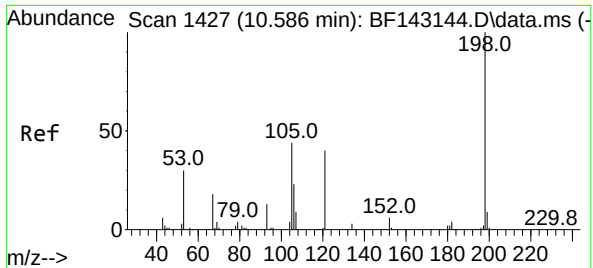
Tgt Ion:	77	Resp:	770158
Ion	Ratio	Lower	Upper
77	100		
182	23.6	4.6	44.6
105	21.1	1.4	41.4
51	34.1	13.7	53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:	188	Resp:	481775
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.3	12.5
80	12.0	9.0	13.6

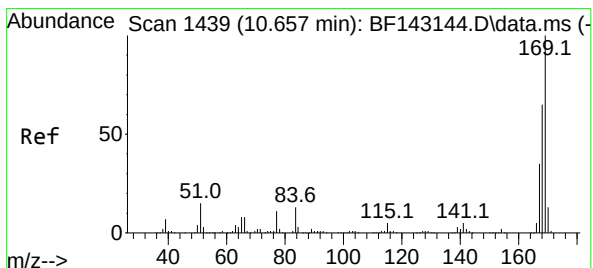
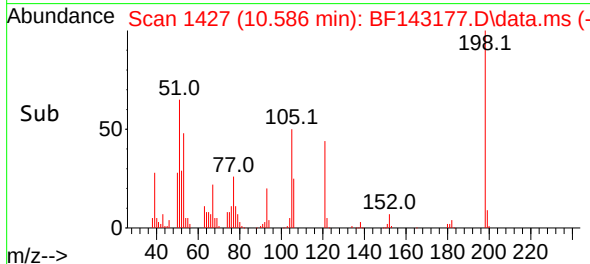
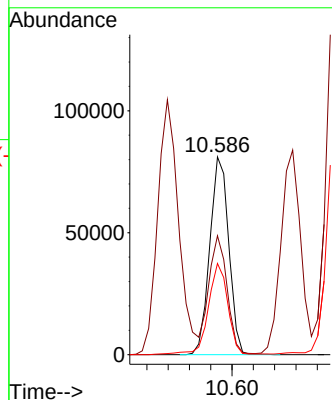
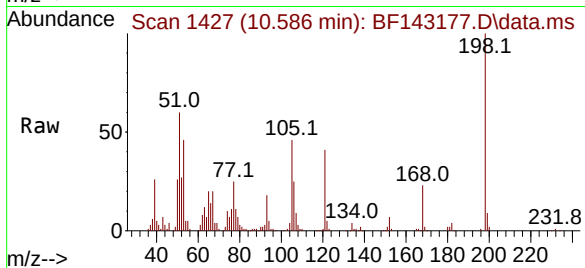




#65
4,6-Dinitro-2-methylphenol
Concen: 40.643 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

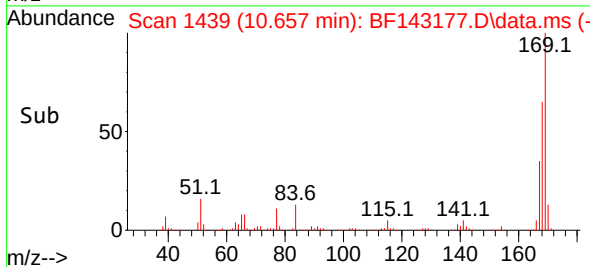
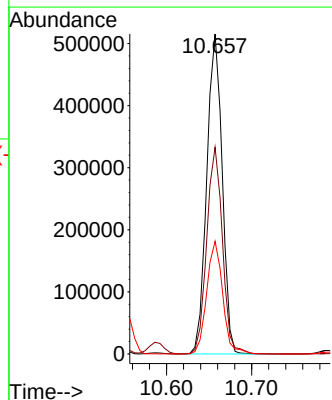
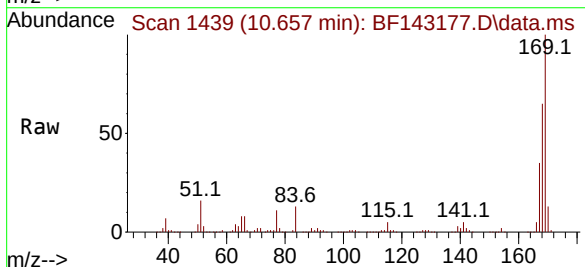
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

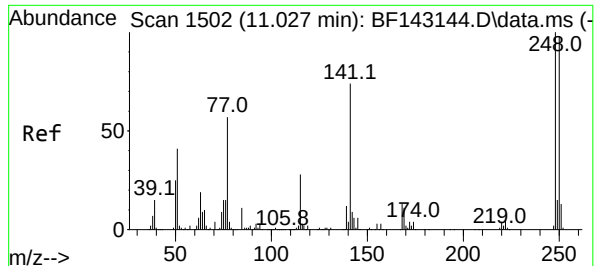
Tgt Ion:198 Resp: 100286
Ion Ratio Lower Upper
198 100
51 60.1 37.2 77.2
105 46.2 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 38.190 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:169 Resp: 647888
Ion Ratio Lower Upper
169 100
168 64.6 52.1 78.1
167 35.2 28.2 42.2

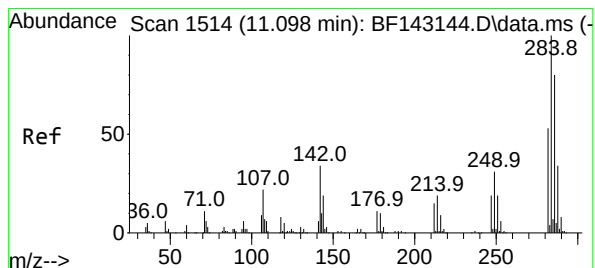
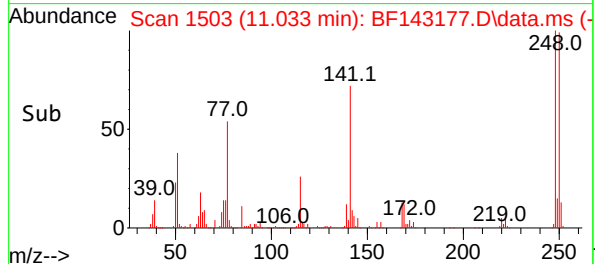
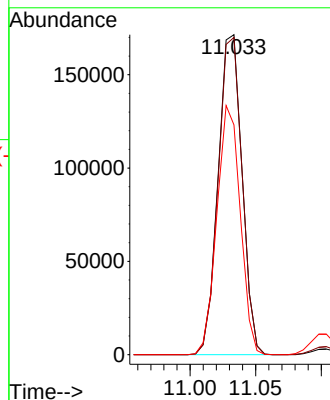
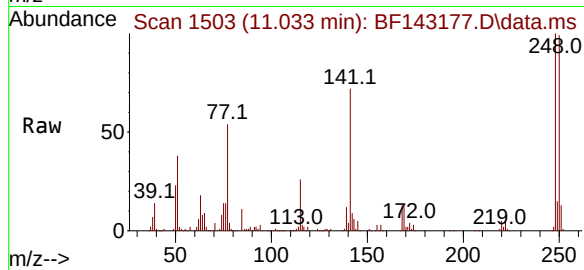




#67
4-Bromophenyl-phenylether
Concen: 37.943 ng
RT: 11.033 min Scan# 11033
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

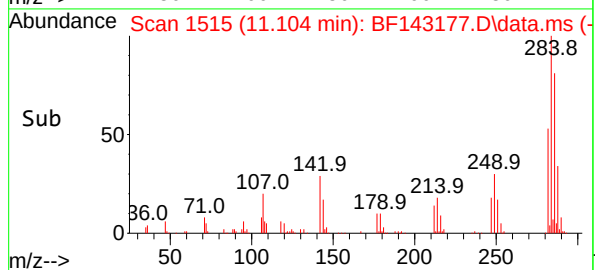
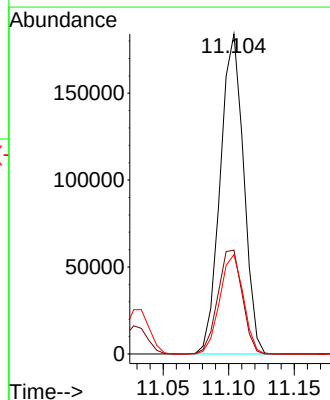
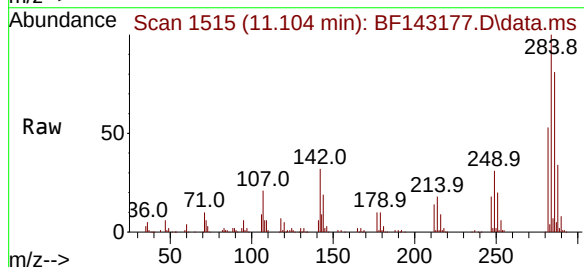
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

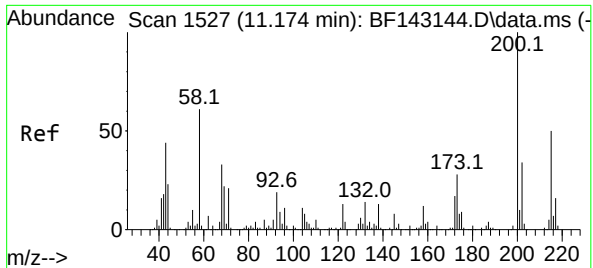
Tgt Ion:248 Resp: 217849
Ion Ratio Lower Upper
248 100
250 99.1 78.3 117.5
141 71.8 59.2 88.8



#68
Hexachlorobenzene
Concen: 38.002 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:284 Resp: 228054
Ion Ratio Lower Upper
284 100
142 32.5 27.0 40.6
249 31.1 25.0 37.6





#69

Atrazine

Concen: 41.506 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

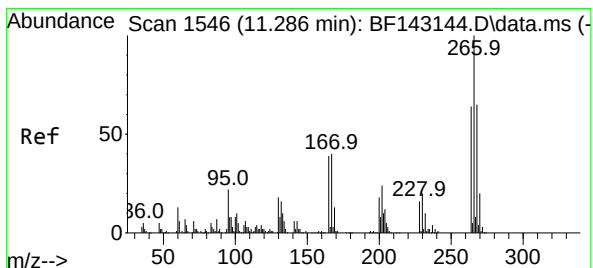
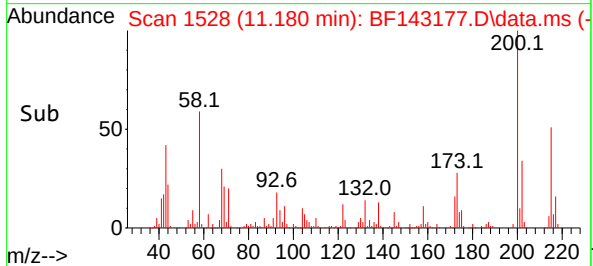
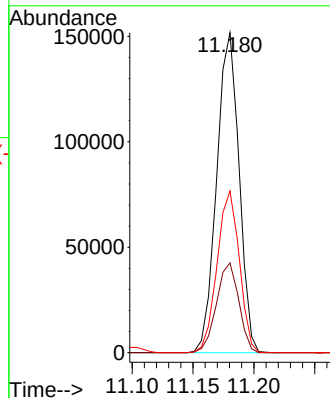
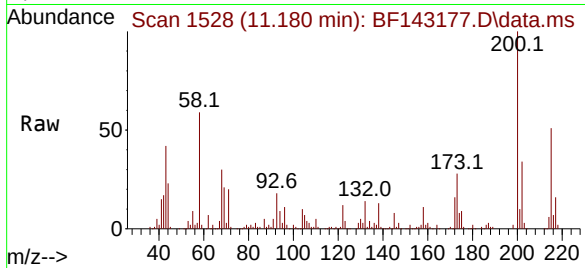
Tgt Ion:200 Resp: 194126

Ion Ratio Lower Upper

200 100

173 28.0 7.9 47.9

215 50.5 30.1 70.1



#70

Pentachlorophenol

Concen: 41.596 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

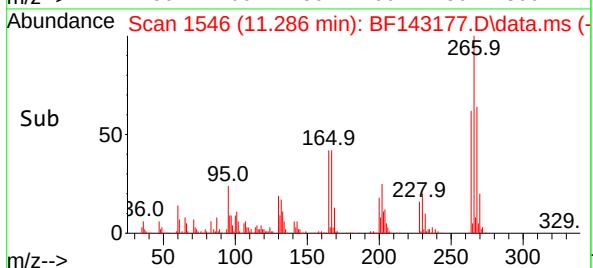
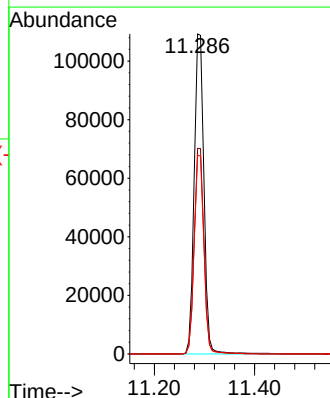
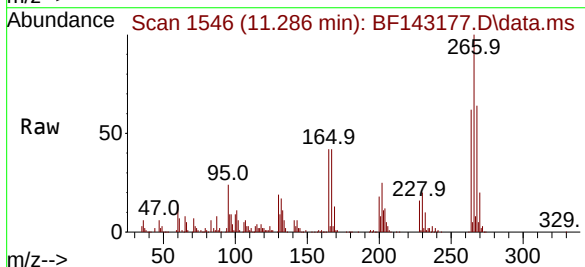
Tgt Ion:266 Resp: 146798

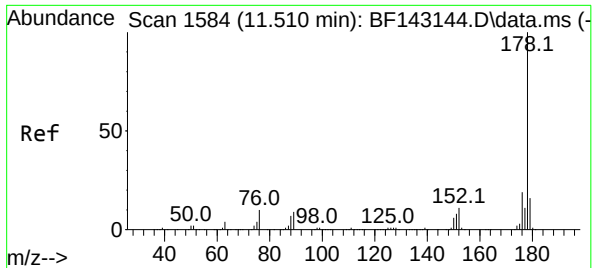
Ion Ratio Lower Upper

266 100

268 64.3 51.9 77.9

264 62.2 51.0 76.6





#71

Phenanthrene

Concen: 38.546 ng

RT: 11.516 min Scan# 1585

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

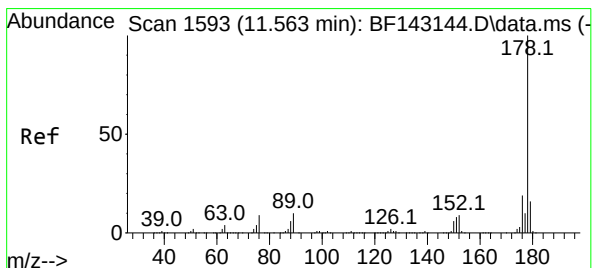
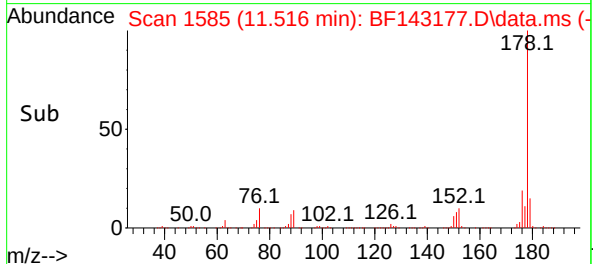
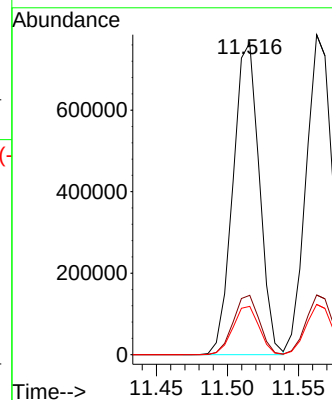
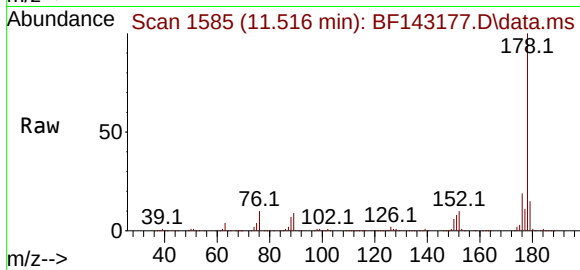
Tgt Ion:178 Resp: 986033

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.5 12.5 18.7



#72

Anthracene

Concen: 38.560 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

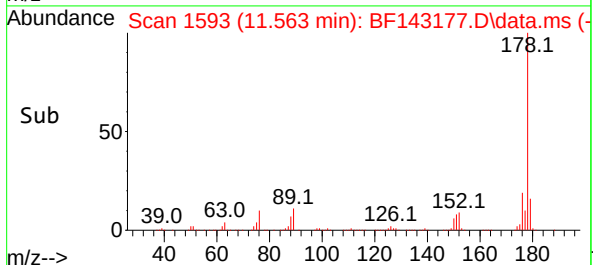
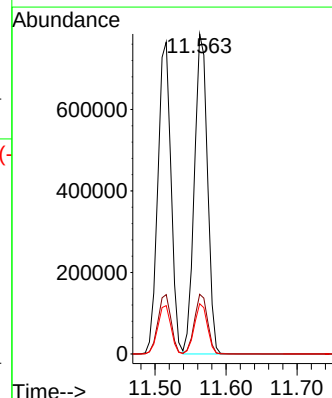
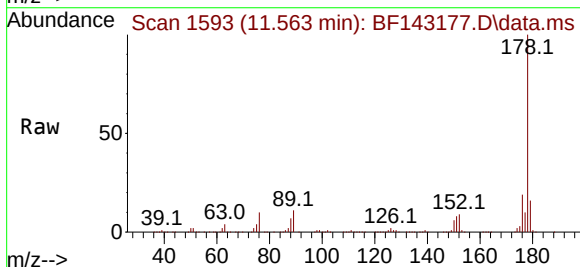
Tgt Ion:178 Resp: 1006010

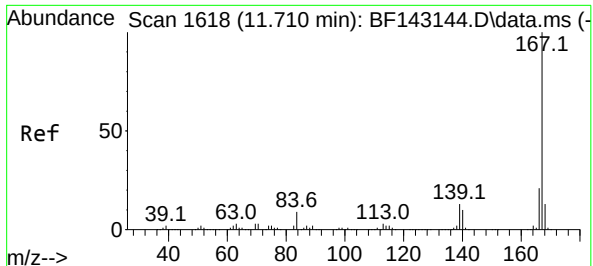
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.7 12.5 18.7

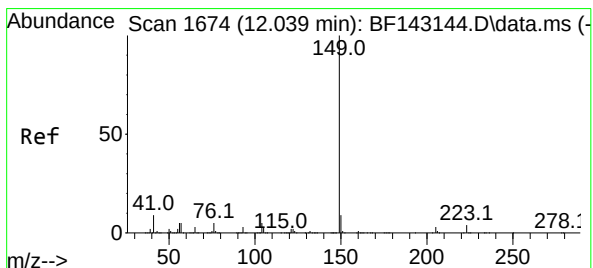
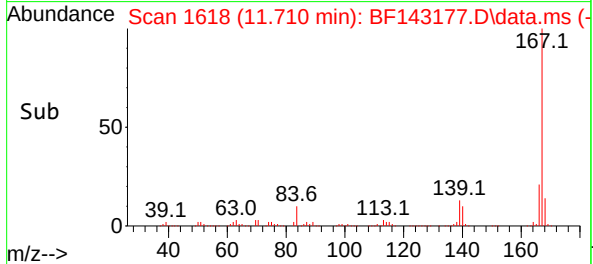
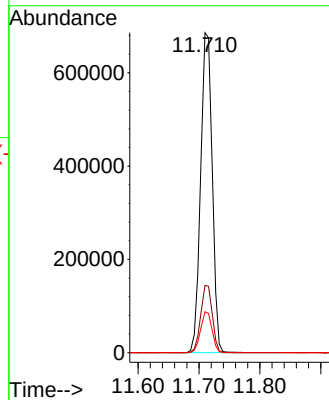
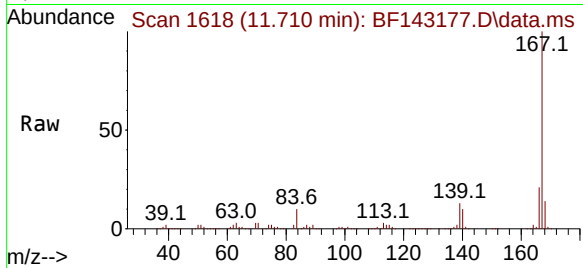




#73
Carbazole
Concen: 39.755 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

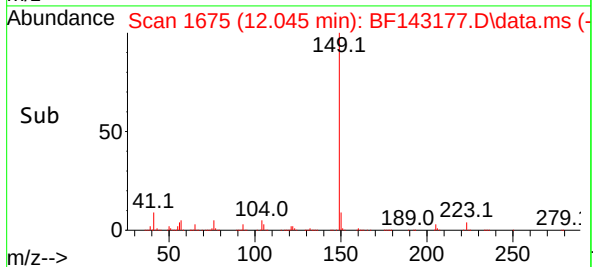
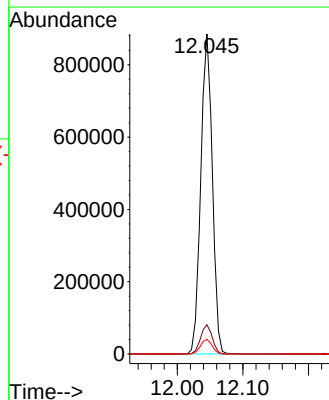
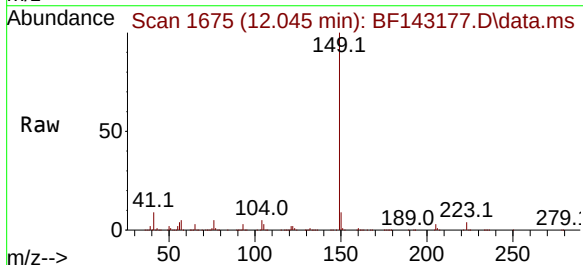
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

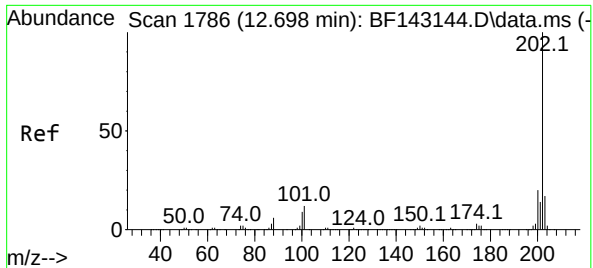
Tgt Ion:167 Resp: 905667
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.8 10.0 15.0



#74
Di-n-butylphthalate
Concen: 42.111 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:149 Resp: 1085481
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.6 3.8 5.8

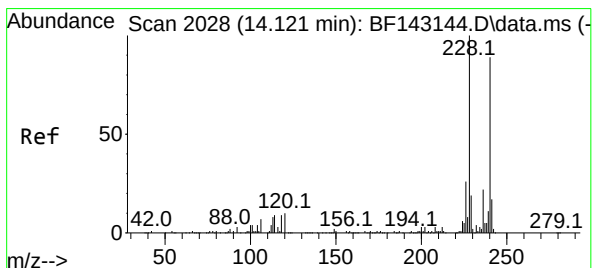
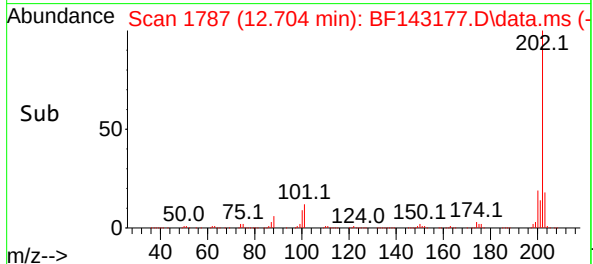
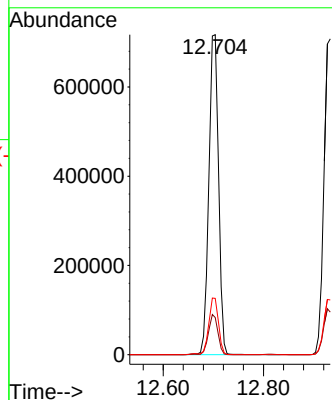
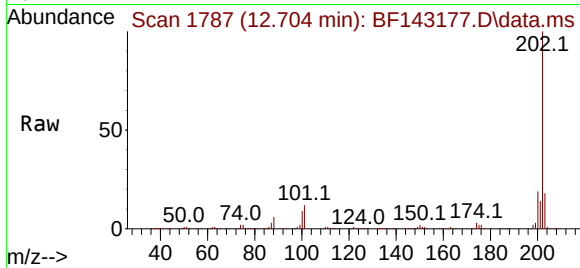




#75
Fluoranthene
Concen: 41.148 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

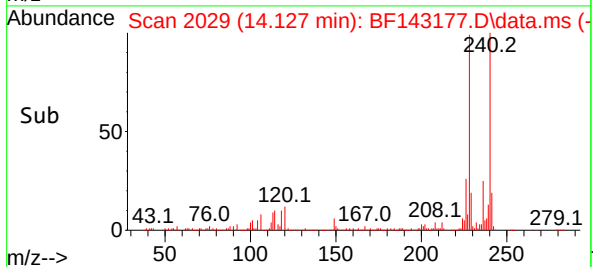
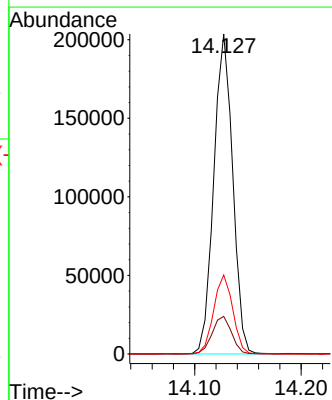
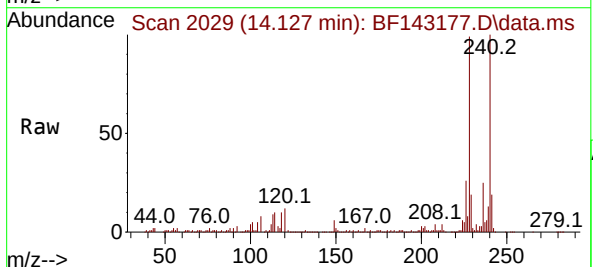
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

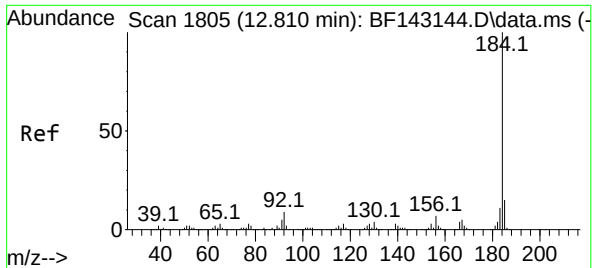
Tgt Ion:202 Resp: 966154
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:240 Resp: 251217
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 24.7 20.2 30.4





#77

Benzidine

Concen: 22.544 ng

RT: 12.810 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

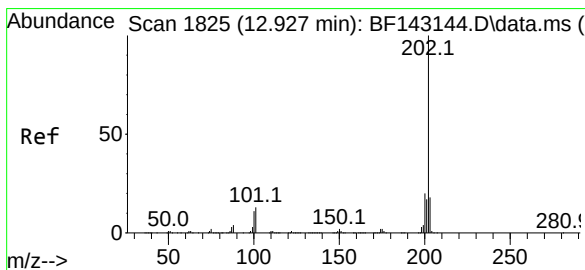
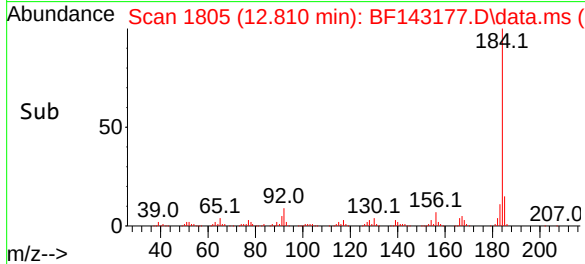
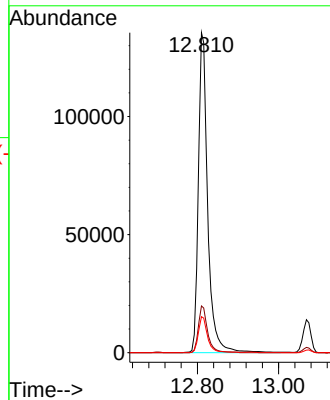
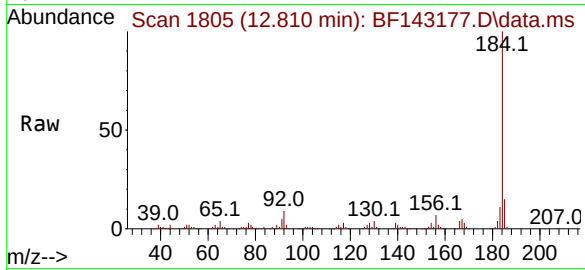
Tgt Ion:184 Resp: 218195

Ion Ratio Lower Upper

184 100

185 14.6 12.2 18.4

183 11.2 9.0 13.4



#78

Pyrene

Concen: 44.341 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

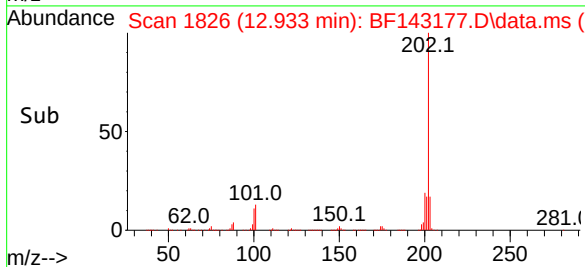
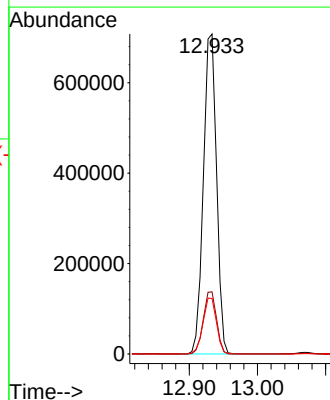
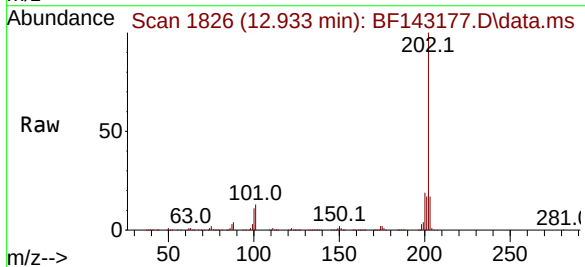
Tgt Ion:202 Resp: 950663

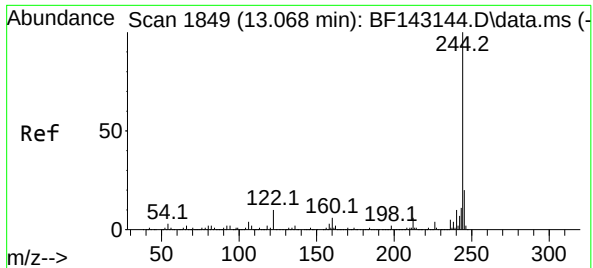
Ion Ratio Lower Upper

202 100

200 19.4 15.7 23.5

203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 86.285 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

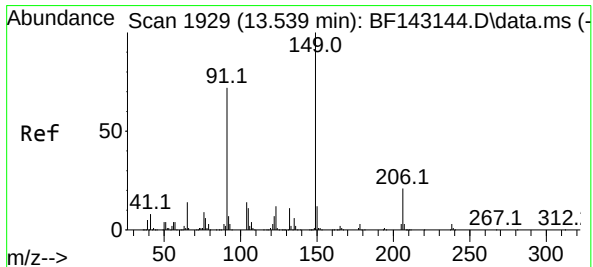
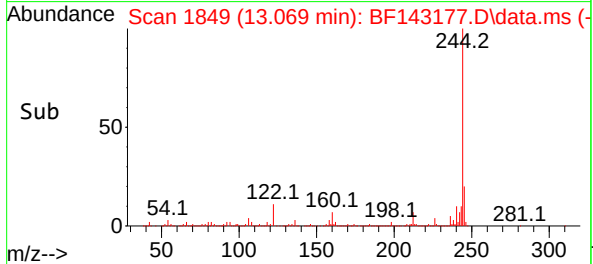
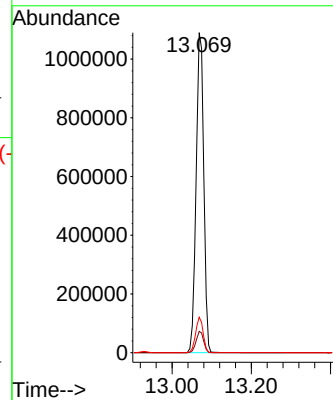
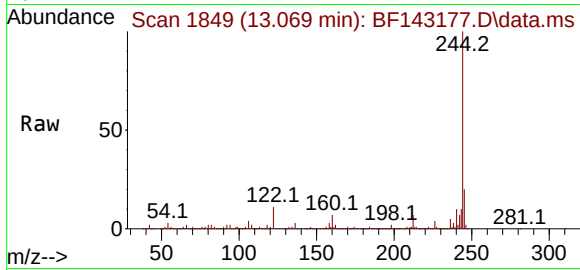
Tgt Ion:244 Resp: 1456637

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 11.1 8.2 12.2



#80

Butylbenzylphthalate

Concen: 47.491 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

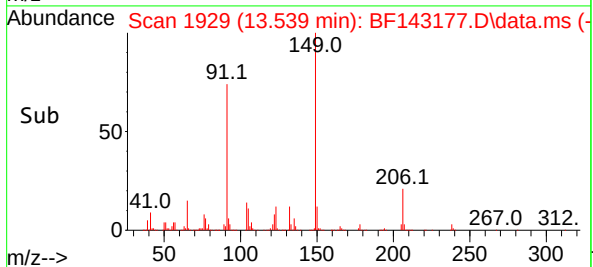
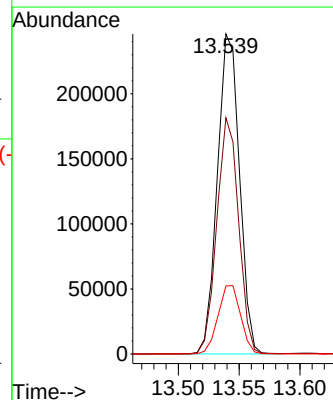
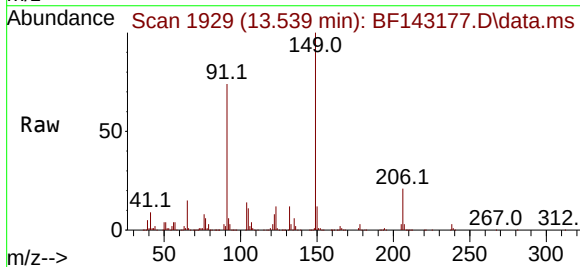
Tgt Ion:149 Resp: 311792

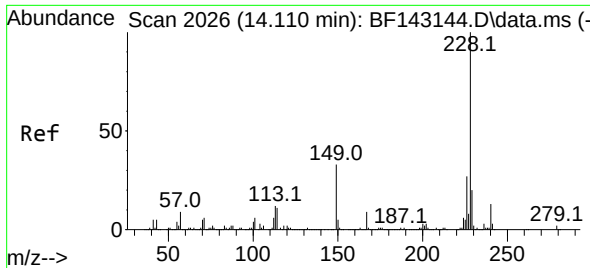
Ion Ratio Lower Upper

149 100

91 73.8 57.9 86.9

206 21.3 17.0 25.4

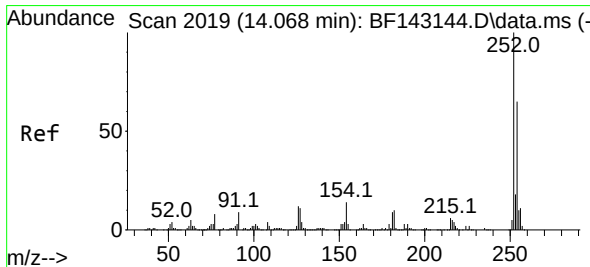
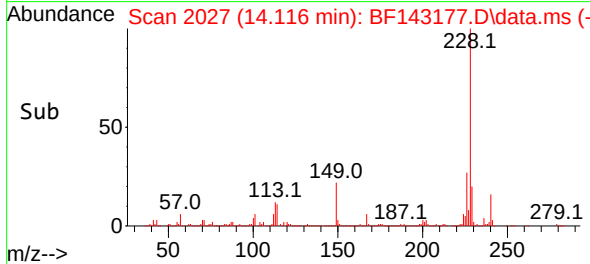
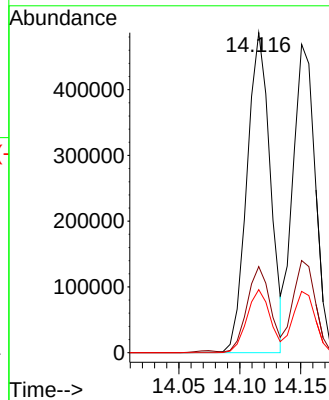
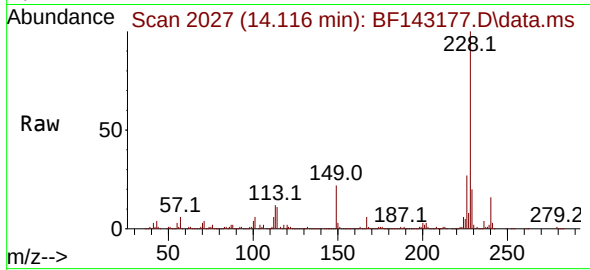




#81
Benzo(a)anthracene
Concen: 38.651 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

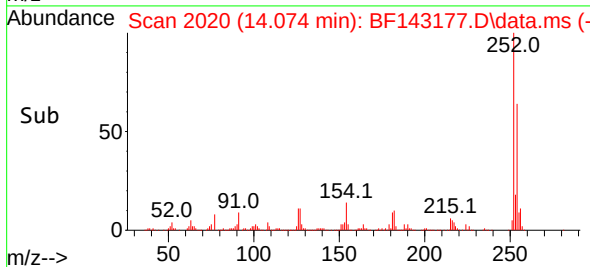
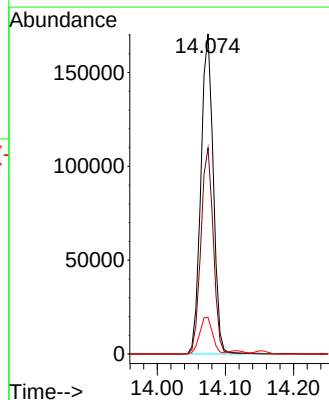
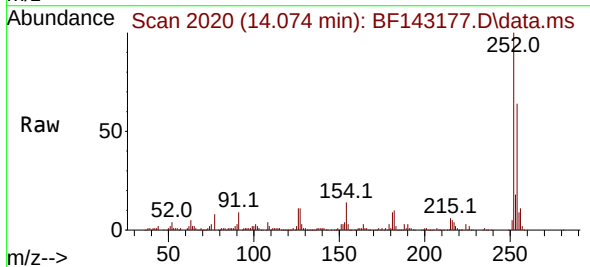
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

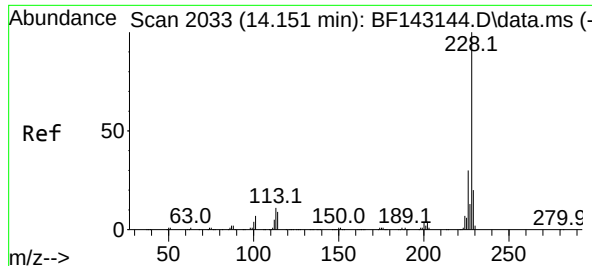
Tgt Ion:228 Resp: 650070
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 19.7 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 38.517 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:252 Resp: 215912
Ion Ratio Lower Upper
252 100
254 64.3 51.7 77.5
126 11.4 9.4 14.0





#83

Chrysene

Concen: 39.537 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

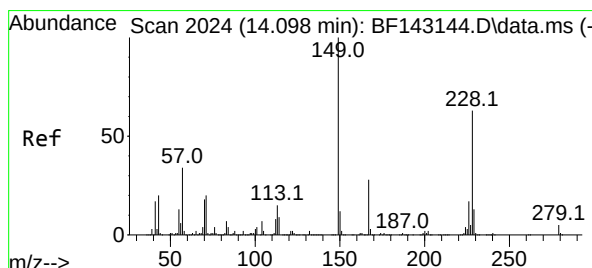
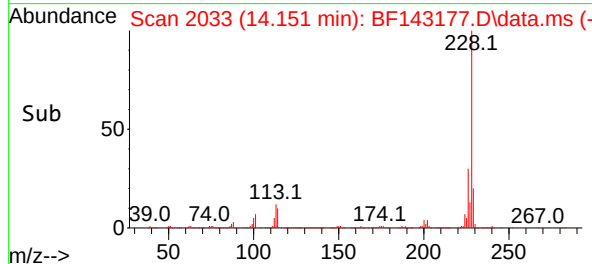
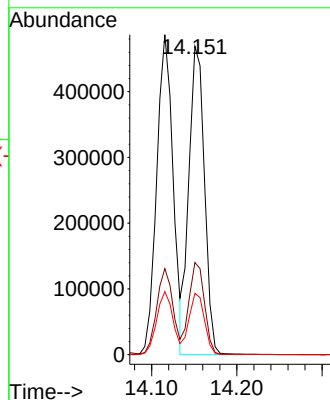
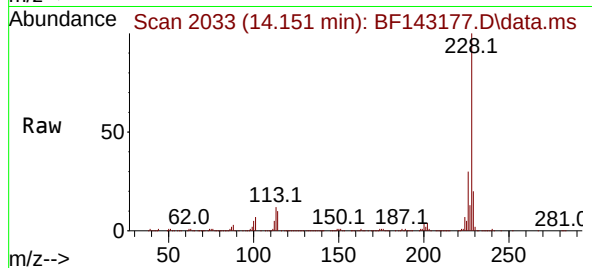
Tgt Ion:228 Resp: 597875

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.663 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

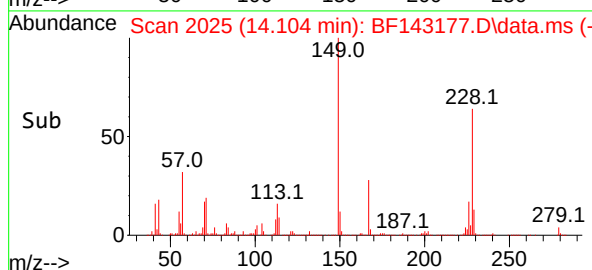
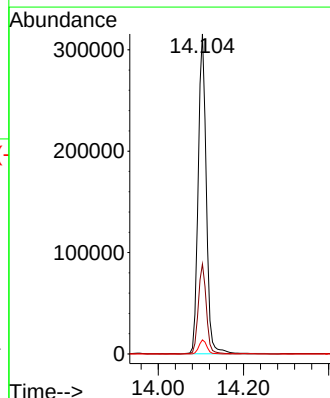
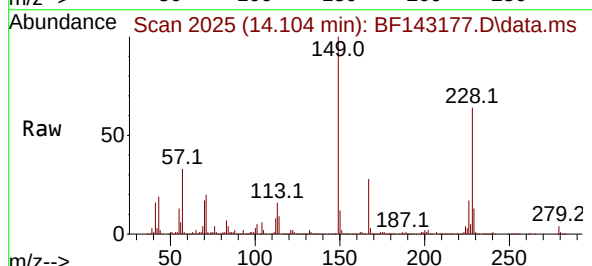
Tgt Ion:149 Resp: 414006

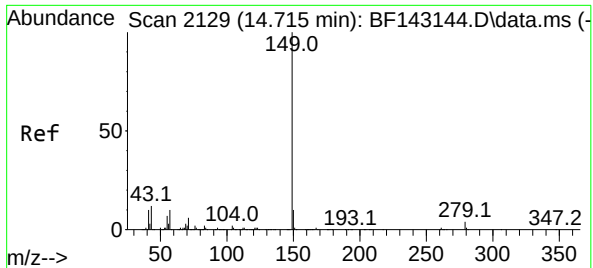
Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 4.4 3.6 5.4

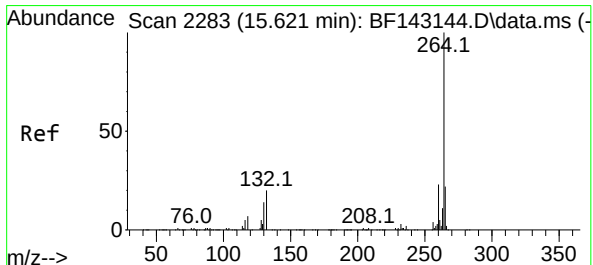
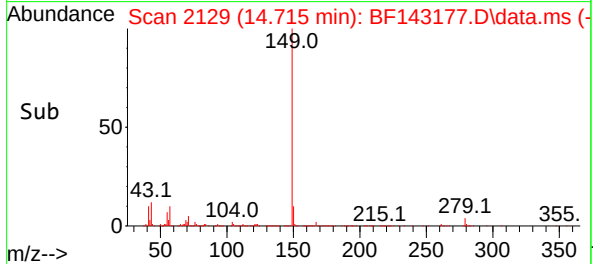
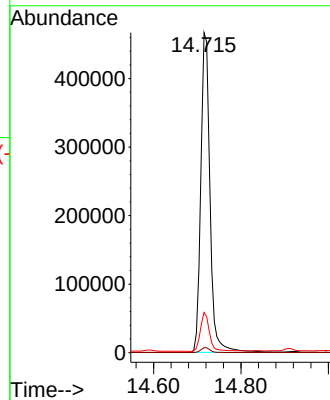
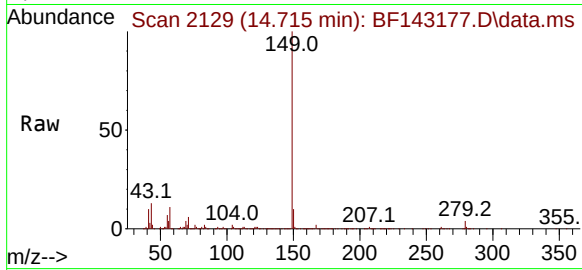




#85
Di-n-octyl phthalate
Concen: 38.026 ng
RT: 14.715 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

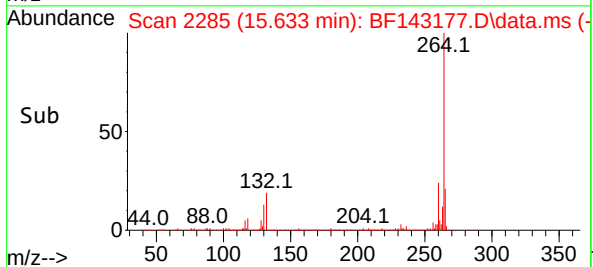
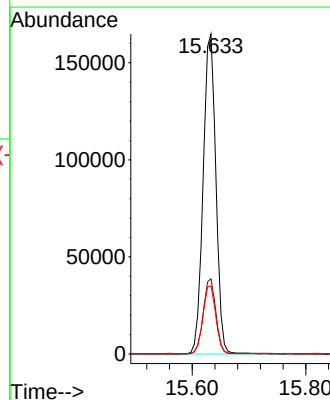
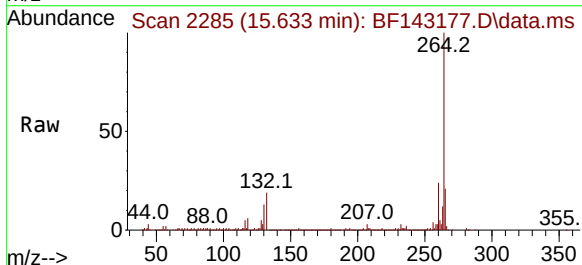
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

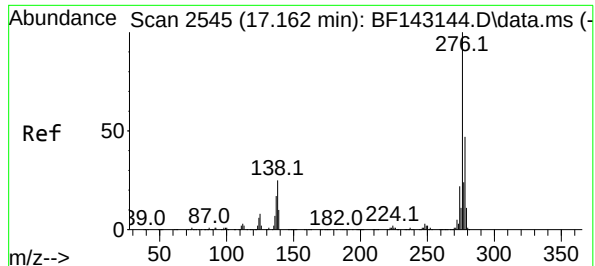
Tgt Ion:149 Resp: 684937
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.2 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:264 Resp: 256275
Ion Ratio Lower Upper
264 100
260 23.5 18.5 27.7
265 21.3 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.981 ng

RT: 17.174 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

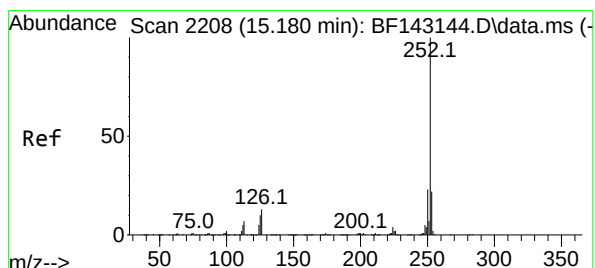
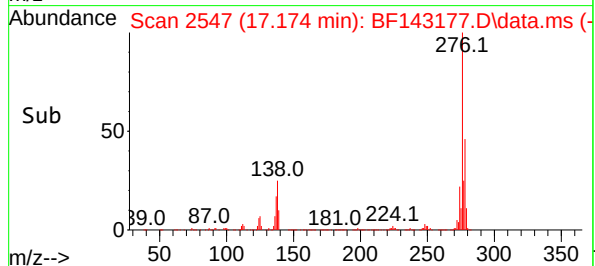
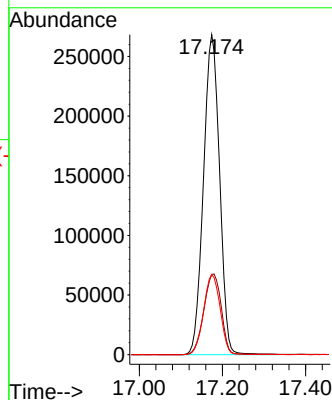
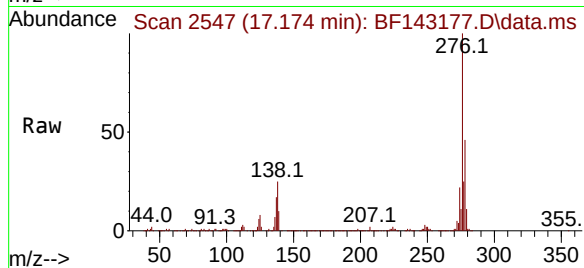
Tgt Ion:276 Resp: 722484

Ion Ratio Lower Upper

276 100

138 27.2 21.8 32.6

277 25.7 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 41.508 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

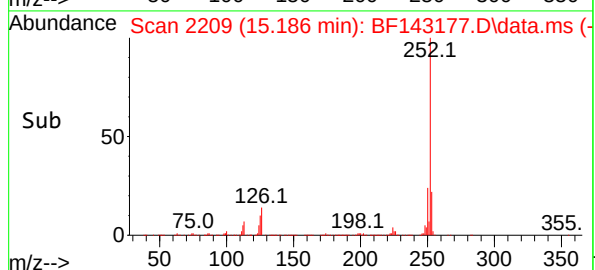
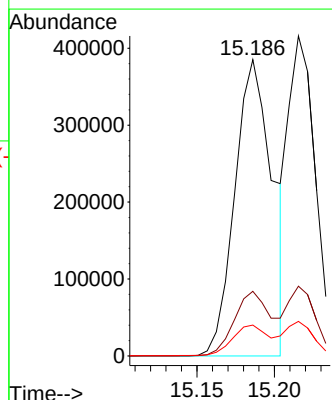
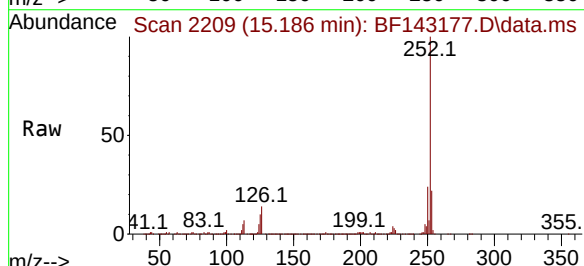
Tgt Ion:252 Resp: 649846

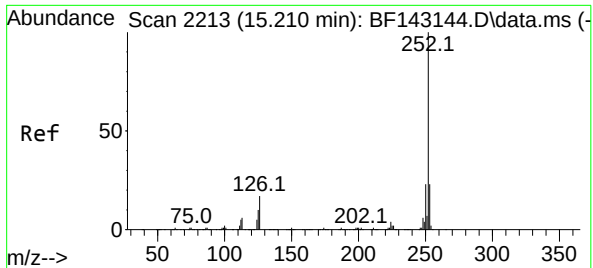
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 36.301 ng

RT: 15.215 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

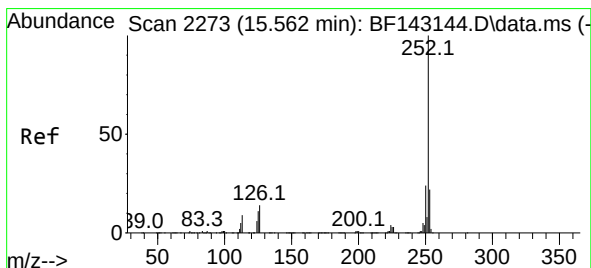
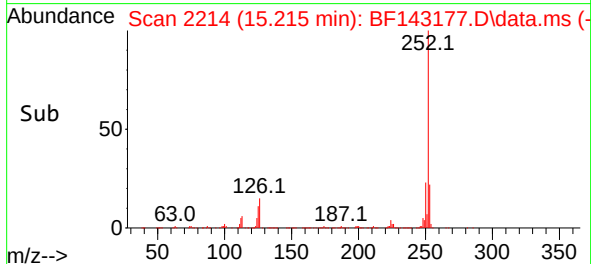
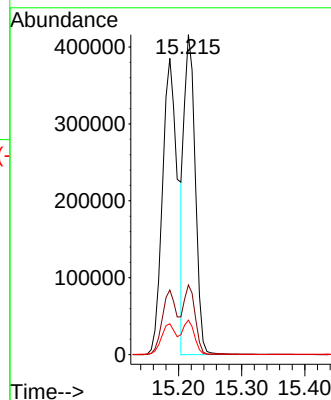
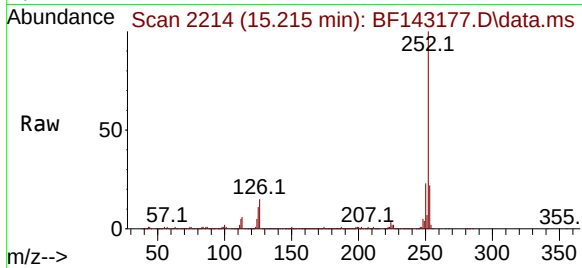
Tgt Ion:252 Resp: 507153

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 10.8 8.1 12.1



#90

Benzo(a)pyrene

Concen: 39.651 ng

RT: 15.568 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

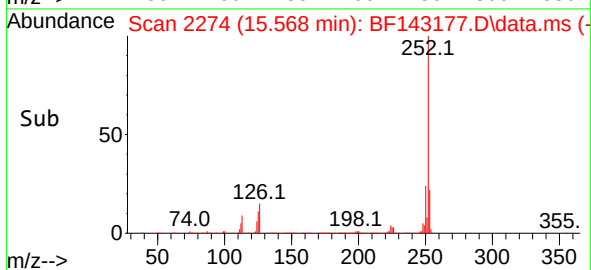
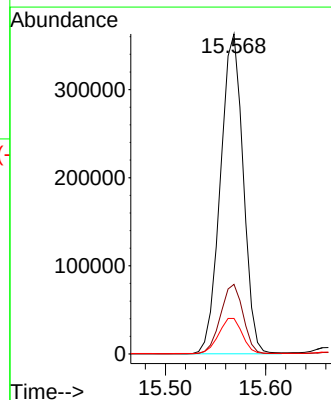
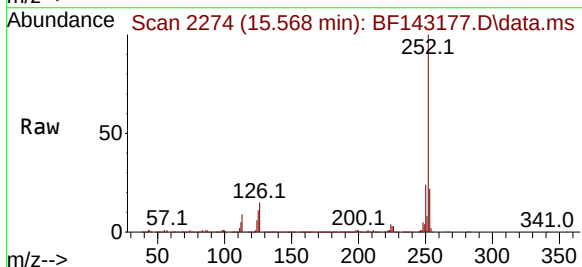
Tgt Ion:252 Resp: 571955

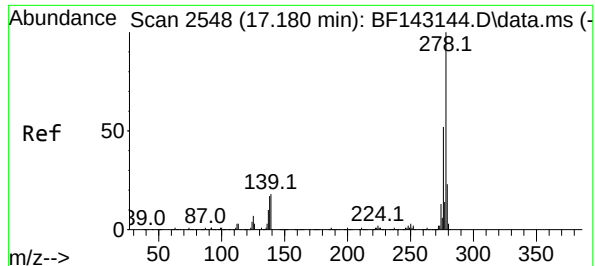
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 11.1 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 40.175 ng

RT: 17.192 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

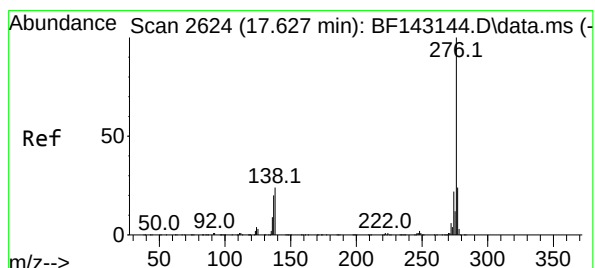
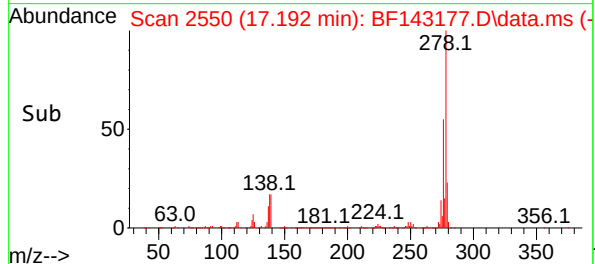
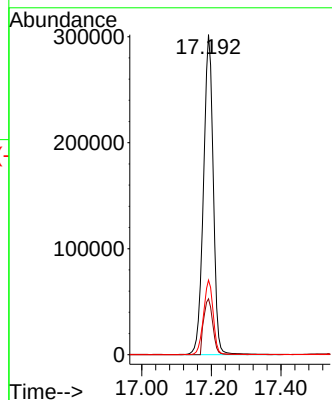
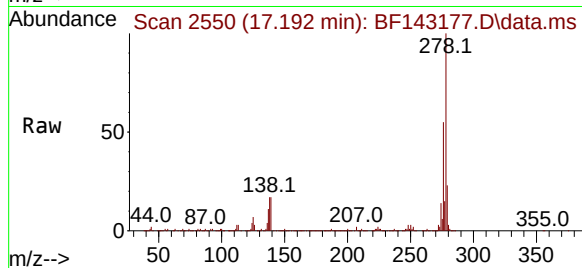
Tgt Ion:278 Resp: 590913

Ion Ratio Lower Upper

278 100

139 17.4 14.1 21.1

279 23.3 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 40.914 ng

RT: 17.645 min Scan# 2627

Delta R.T. 0.018 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

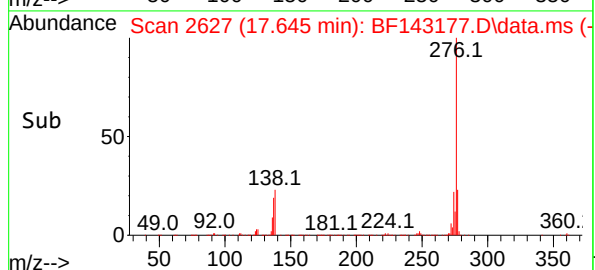
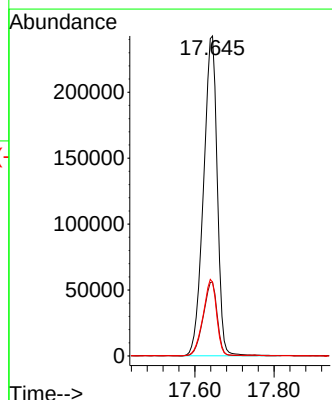
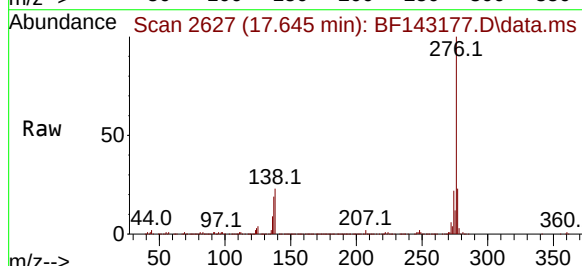
Tgt Ion:276 Resp: 582117

Ion Ratio Lower Upper

276 100

277 23.1 19.1 28.7

138 23.1 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	82	0.00
2	1,4-Dioxane	0.598	0.585	2.2	80	0.00
3	Pyridine	1.552	1.500	3.4	81	0.00
4	n-Nitrosodimethylamine	0.801	0.791	1.2	80	0.00
5 S	2-Fluorophenol	1.264	1.232	2.5	82	0.00
6	Aniline	2.217	2.172	2.0	81	0.00
7 S	Phenol-d6	1.591	1.553	2.4	82	0.00
8	2-Chlorophenol	1.325	1.316	0.7	83	0.00
9	Benzaldehyde	1.193	3.850	-222.7#	220#	0.00
10 C	Phenol	1.733	1.796	-3.6	86	0.00
11	bis(2-Chloroethyl)ether	1.327	1.294	2.5	82	0.00
12	1,3-Dichlorobenzene	1.439	1.406	2.3	83	0.00
13 C	1,4-Dichlorobenzene	1.449	1.428	1.4	83	0.00
14	1,2-Dichlorobenzene	1.378	1.362	1.2	84	0.00
15	Benzyl Alcohol	1.215	1.225	-0.8	83	0.00
16	2,2'-oxybis(1-Chloropropane	2.461	2.438	0.9	83	0.00
17	2-Methylphenol	1.114	1.106	0.7	83	0.00
18	Hexachloroethane	0.502	0.506	-0.8	84	0.00
19 P	n-Nitroso-di-n-propylamine	1.021	0.990	3.0	83	0.00
20	3+4-Methylphenols	1.351	1.380	-2.1	85	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	84	0.00
22	Acetophenone	0.474	0.452	4.6	84	0.00
23 S	Nitrobenzene-d5	0.401	0.400	0.2	85	0.00
24	Nitrobenzene	0.374	0.373	0.3	84	0.00
25	Isophorone	0.708	0.698	1.4	85	0.00
26 C	2-Nitrophenol	0.162	0.172	-6.2	84	0.00
27	2,4-Dimethylphenol	0.331	0.323	2.4	84	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.411	3.3	84	0.00
29 C	2,4-Dichlorophenol	0.279	0.274	1.8	84	0.00
30	1,2,4-Trichlorobenzene	0.302	0.291	3.6	83	0.00
31	Naphthalene	0.985	0.952	3.4	84	0.00
32	Benzoic acid	0.169	0.194	-14.8	91	0.00
33	4-Chloroaniline	0.402	0.395	1.7	85	0.00
34 C	Hexachlorobutadiene	0.184	0.179	2.7	83	0.00
35	Caprolactam	0.084	0.092	-9.5	89	0.00
36 C	4-Chloro-3-methylphenol	0.303	0.304	-0.3	85	0.00
37	2-Methylnaphthalene	0.599	0.584	2.5	85	0.00
38	1-Methylnaphthalene	0.617	0.609	1.3	86	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	0.577	0.542	6.1	85	0.00
41 P	Hexachlorocyclopentadiene	0.376	0.365	2.9	85	0.00
42 S	2,4,6-Tribromophenol	0.207	0.215	-3.9	88	0.00
43 C	2,4,6-Trichlorophenol	0.400	0.387	3.3	87	0.00
44	2,4,5-Trichlorophenol	0.400	0.396	1.0	85	0.00
45 S	2-Fluorobiphenyl	1.462	1.361	6.9	87	0.00
46	1,1'-Biphenyl	1.560	1.485	4.8	86	0.00
47	2-Chloronaphthalene	1.155	1.099	4.8	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	0.362	0.383	-5.8	88	0.00
49	Acenaphthylene	1.935	1.864	3.7	87	0.00
50	Dimethylphthalate	1.304	1.287	1.3	87	0.00
51	2,6-Dinitrotoluene	0.265	0.284	-7.2	89	0.00
52 C	Acenaphthene	1.144	1.105	3.4	87	0.00
53	3-Nitroaniline	0.310	0.318	-2.6	87	0.00
54 P	2,4-Dinitrophenol	0.098	0.119	-21.4	99	0.00
55	Dibenzofuran	1.698	1.642	3.3	87	0.00
56 P	4-Nitrophenol	0.232	0.237	-2.2	84	0.00
57	2,4-Dinitrotoluene	0.333	0.363	-9.0	89	0.00
58	Fluorene	1.274	1.229	3.5	88	0.00
59	2,3,4,6-Tetrachlorophenol	0.331	0.340	-2.7	89	0.00
60	Diethylphthalate	1.289	1.298	-0.7	88	0.00
61	4-Chlorophenyl-phenylether	0.635	0.619	2.5	87	0.00
62	4-Nitroaniline	0.266	0.279	-4.9	86	0.00
63	Azobenzene	1.343	1.341	0.1	88	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
65	4,6-Dinitro-2-methylphenol	0.094	0.104	-10.6	95	0.00
66 c	n-Nitrosodiphenylamine	0.704	0.672	4.5	89	0.00
67	4-Bromophenyl-phenylether	0.238	0.226	5.0	88	0.00
68	Hexachlorobenzene	0.249	0.237	4.8	88	0.00
69	Atrazine	0.194	0.201	-3.6	91	0.00
70 C	Pentachlorophenol	0.147	0.152	-3.4	91	0.00
71	Phenanthrene	1.062	1.023	3.7	89	0.00
72	Anthracene	1.083	1.044	3.6	89	0.00
73	Carbazole	0.946	0.940	0.6	90	0.00
74	Di-n-butylphthalate	1.070	1.127	-5.3	93	0.00
75 C	Fluoranthene	0.975	1.003	-2.9	93	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	85	0.00
77	Benzydine	0.771	0.434	43.7#	39#	0.00
78	Pyrene	1.707	1.892	-10.8	93	0.00
79 S	Terphenyl-d14	1.344	1.450	-7.9	94	0.00
80	Butylbenzylphthalate	0.523	0.621	-18.7	97	0.00
81	Benzo(a)anthracene	1.339	1.294	3.4	86	0.00
82	3,3'-Dichlorobenzidine	0.446	0.430	3.6	85	0.00
83	Chrysene	1.204	1.190	1.2	84	0.00
84	Bis(2-ethylhexyl)phthalate	0.791	0.824	-4.2	88	0.00
85 c	Di-n-octyl phthalate	1.434	1.363	5.0	84	0.00
86 I	Perylene-d12	1.000	1.000	0.0	79	0.01
87	Indeno(1,2,3-cd)pyrene	1.410	1.410	0.0	79	0.01
88	Benzo(b)fluoranthene	1.222	1.268	-3.8	88	0.00
89	Benzo(k)fluoranthene	1.090	0.989	9.3	69	0.00
90 C	Benzo(a)pyrene	1.126	1.116	0.9	79	0.00
91	Dibenzo(a,h)anthracene	1.148	1.153	-0.4	80	0.01
92	Benzo(g,h,i)perylene	1.110	1.136	-2.3	81	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	82	0.00
2	1,4-Dioxane	40.000	39.132	2.2	80	0.00
3	Pyridine	40.000	38.657	3.4	81	0.00
4	n-Nitrosodimethylamine	40.000	39.459	1.4	80	0.00
5 S	2-Fluorophenol	80.000	77.959	2.6	82	0.00
6	Aniline	40.000	39.186	2.0	81	0.00
7 S	Phenol-d6	80.000	78.075	2.4	82	0.00
8	2-Chlorophenol	40.000	39.740	0.6	83	0.00
9	Benzaldehyde	40.000	129.116	-222.8#	220	0.00
10 C	Phenol	40.000	41.450	-3.6	86	0.00
11	bis(2-Chloroethyl)ether	40.000	38.997	2.5	82	0.00
12	1,3-Dichlorobenzene	40.000	39.079	2.3	83	0.00
13 C	1,4-Dichlorobenzene	40.000	39.415	1.5	83	0.00
14	1,2-Dichlorobenzene	40.000	39.536	1.2	84	0.00
15	Benzyl Alcohol	40.000	40.325	-0.8	83	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.617	1.0	83	0.00
17	2-Methylphenol	40.000	39.715	0.7	83	0.00
18	Hexachloroethane	40.000	40.337	-0.8	84	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.818	3.0	83	0.00
20	3+4-Methylphenols	40.000	40.856	-2.1	85	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	84	0.00
22	Acetophenone	40.000	38.166	4.6	84	0.00
23 S	Nitrobenzene-d5	80.000	79.820	0.2	85	0.00
24	Nitrobenzene	40.000	39.931	0.2	84	0.00
25	Isophorone	40.000	39.403	1.5	85	0.00
26 C	2-Nitrophenol	40.000	42.420	-6.1	84	0.00
27	2,4-Dimethylphenol	40.000	39.039	2.4	84	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.742	3.1	84	0.00
29 C	2,4-Dichlorophenol	40.000	39.284	1.8	84	0.00
30	1,2,4-Trichlorobenzene	40.000	38.597	3.5	83	0.00
31	Naphthalene	40.000	38.661	3.3	84	0.00
32	Benzoic acid	40.000	42.399	-6.0	91	0.00
33	4-Chloroaniline	40.000	39.296	1.8	85	0.00
34 C	Hexachlorobutadiene	40.000	38.797	3.0	83	0.00
35	Caprolactam	40.000	43.497	-8.7	89	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.031	-0.1	85	0.00
37	2-Methylnaphthalene	40.000	38.948	2.6	85	0.00
38	1-Methylnaphthalene	40.000	39.448	1.4	86	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.530	6.2	85	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.857	2.9	85	0.00
42 S	2,4,6-Tribromophenol	80.000	83.135	-3.9	88	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.716	3.2	87	0.00
44	2,4,5-Trichlorophenol	40.000	39.609	1.0	85	0.00
45 S	2-Fluorobiphenyl	80.000	74.477	6.9	87	0.00
46	1,1'-Biphenyl	40.000	38.059	4.9	86	0.00
47	2-Chloronaphthalene	40.000	38.067	4.8	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	42.277	-5.7	88	0.00
49	Acenaphthylene	40.000	38.541	3.6	87	0.00
50	Dimethylphthalate	40.000	39.501	1.2	87	0.00
51	2,6-Dinitrotoluene	40.000	42.869	-7.2	89	0.00
52 C	Acenaphthene	40.000	38.656	3.4	87	0.00
53	3-Nitroaniline	40.000	41.017	-2.5	87	0.00
54 P	2,4-Dinitrophenol	40.000	43.071	-7.7	99	0.00
55	Dibenzofuran	40.000	38.679	3.3	87	0.00
56 P	4-Nitrophenol	40.000	41.010	-2.5	84	0.00
57	2,4-Dinitrotoluene	40.000	43.658	-9.1	89	0.00
58	Fluorene	40.000	38.582	3.5	88	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.130	-2.8	89	0.00
60	Diethylphthalate	40.000	40.297	-0.7	88	0.00
61	4-Chlorophenyl-phenylether	40.000	39.006	2.5	87	0.00
62	4-Nitroaniline	40.000	42.030	-5.1	86	0.00
63	Azobenzene	40.000	39.955	0.1	88	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	89	0.00
65	4,6-Dinitro-2-methylphenol	40.000	40.643	-1.6	95	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.190	4.5	89	0.00
67	4-Bromophenyl-phenylether	40.000	37.943	5.1	88	0.00
68	Hexachlorobenzene	40.000	38.002	5.0	88	0.00
69	Atrazine	40.000	41.506	-3.8	91	0.00
70 C	Pentachlorophenol	40.000	41.596	-4.0	91	0.00
71	Phenanthrene	40.000	38.546	3.6	89	0.00
72	Anthracene	40.000	38.560	3.6	89	0.00
73	Carbazole	40.000	39.755	0.6	90	0.00
74	Di-n-butylphthalate	40.000	42.111	-5.3	93	0.00
75 C	Fluoranthene	40.000	41.148	-2.9	93	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	85	0.00
77	Benzidine	40.000	22.544	43.6#	39	0.00
78	Pyrene	40.000	44.341	-10.9	93	0.00
79 S	Terphenyl-d14	80.000	86.285	-7.9	94	0.00
80	Butylbenzylphthalate	40.000	47.491	-18.7	97	0.00
81	Benzo(a)anthracene	40.000	38.651	3.4	86	0.00
82	3,3'-Dichlorobenzidine	40.000	38.517	3.7	85	0.00
83	Chrysene	40.000	39.537	1.2	84	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.663	-4.2	88	0.00
85 c	Di-n-octyl phthalate	40.000	38.026	4.9	84	0.00
86 I	Perylene-d12	20.000	20.000	0.0	79	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	39.981	0.0	79	0.01
88	Benzo(b)fluoranthene	40.000	41.508	-3.8	88	0.00
89	Benzo(k)fluoranthene	40.000	36.301	9.2	69	0.00
90 C	Benzo(a)pyrene	40.000	39.651	0.9	79	0.00
91	Dibenzo(a,h)anthracene	40.000	40.175	-0.4	80	0.01
92	Benzo(g,h,i)perylene	40.000	40.914	-2.3	81	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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)
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(#) = 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: Alliance Contract: NOBI03
 Lab Code: ACE SDG No.: Q2558
 Instrument ID: BNA_F Calibration Date/Time: 07/22/2025 13:55
 Lab File ID: BF143187.D Init. Calib. Date(s): 07/17/2025 07/17/2025
 EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:04 14:34
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.228		-2.8	50.0
Phenol-d6	1.591	1.539		-3.3	50.0
Nitrobenzene-d5	0.401	0.404		0.7	50.0
Naphthalene	0.985	0.970		-1.5	50.0
2-Methylnaphthalene	0.599	0.591		-1.3	50.0
2-Fluorobiphenyl	1.462	1.449		-0.9	50.0
Acenaphthylene	1.935	1.914		-1.1	50.0
Acenaphthene	1.144	1.157		1.1	50.0
Fluorene	1.274	1.255		-1.5	50.0
2,4,6-Tribromophenol	0.207	0.214		3.4	50.0
Phenanthrene	1.062	1.050		-1.1	50.0
Anthracene	1.083	1.076		-0.6	50.0
Fluoranthene	0.975	1.020		4.6	50.0
Pyrene	1.707	1.544		-9.5	50.0
Terphenyl-d14	1.344	1.184		-11.9	50.0
Benzo (a) anthracene	1.339	1.284		-4.1	50.0
Chrysene	1.204	1.210		0.5	50.0
Benzo (b) fluoranthene	1.222	1.221		-0.1	50.0
Benzo (k) fluoranthene	1.090	1.049		-3.8	50.0
Benzo (a) pyrene	1.126	1.119		-0.6	50.0
Indeno (1,2,3-cd) pyrene	1.410	1.321		-6.3	50.0
Dibenzo (a,h) anthracene	1.148	1.070		-6.8	50.0
Benzo (g,h,i) perylene	1.110	1.026		-7.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143187.D
 Acq On : 22 Jul 2025 13:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Jul 22 14:27:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	111012	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	422094	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	210926	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	343518	20.000	ng	0.00
76) Chrysene-d12	14.127	240	225021	20.000	ng	0.00
86) Perylene-d12	15.633	264	256485	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	545451	77.753	ng	0.00
7) Phenol-d6	6.587	99	683542	77.413	ng	0.00
23) Nitrobenzene-d5	7.522	82	682159	80.559	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	180390	82.786	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1222876	79.290	ng	0.00
79) Terphenyl-d14	13.069	244	1065941	70.493	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.804	88	127151	38.305	ng	99
3) Pyridine	3.581	79	330042	38.307	ng	100
4) n-Nitrosodimethylamine	3.516	42	171619	38.581	ng	99
6) Aniline	6.628	93	472751	38.416	ng	98
8) 2-Chlorophenol	6.751	128	287831	39.143	ng	98
9) Benzaldehyde	6.516	77	247030	37.310	ng	99
10) Phenol	6.598	94	396833	41.254	ng	98
11) bis(2-Chloroethyl)ether	6.692	93	283947	38.553	ng	100
12) 1,3-Dichlorobenzene	6.910	146	314817	39.411	ng	99
13) 1,4-Dichlorobenzene	6.987	146	315046	39.163	ng	99
14) 1,2-Dichlorobenzene	7.140	146	301343	39.385	ng	99
15) Benzyl Alcohol	7.098	79	264441	39.223	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	542587	39.713	ng	99
17) 2-Methylphenol	7.210	107	243112	39.321	ng	98
18) Hexachloroethane	7.481	117	112222	40.297	ng	99
19) n-Nitroso-di-n-propyla...	7.375	70	210871	37.224	ng	99
20) 3+4-Methylphenols	7.363	107	301964	40.254	ng	# 82
22) Acetophenone	7.369	105	384155	38.442	ng	# 98
24) Nitrobenzene	7.539	77	314726	39.866	ng	99
25) Isophorone	7.781	82	564494	37.763	ng	99
26) 2-Nitrophenol	7.857	139	151024	44.078	ng	99
27) 2,4-Dimethylphenol	7.892	122	270134	38.679	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	348359	38.868	ng	100
29) 2,4-Dichlorophenol	8.098	162	232204	39.425	ng	100
30) 1,2,4-Trichlorobenzene	8.186	180	250252	39.329	ng	99
31) Naphthalene	8.269	128	818994	39.398	ng	99
32) Benzoic acid	7.981	122	166968	43.041	ng	99
33) 4-Chloroaniline	8.310	127	329590	38.830	ng	99
34) Hexachlorobutadiene	8.392	225	154282	39.691	ng	99
35) Caprolactam	8.675	113	70018	39.340	ng	97
36) 4-Chloro-3-methylphenol	8.786	107	247616	38.680	ng	97
37) 2-Methylnaphthalene	8.957	142	499061	39.453	ng	99
38) 1-Methylnaphthalene	9.057	142	512869	39.373	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	244698	40.183	ng	99
41) Hexachlorocyclopentadiene	9.116	237	163162	41.178	ng	100
43) 2,4,6-Trichlorophenol	9.233	196	164611	39.058	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143187.D
 Acq On : 22 Jul 2025 13:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

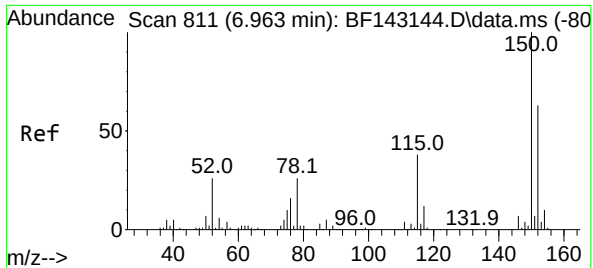
Quant Time: Jul 22 14:27:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	175359	41.595	ng	98
46) 1,1'-Biphenyl	9.422	154	657180	39.935	ng	100
47) 2-Chloronaphthalene	9.451	162	481986	39.583	ng	100
48) 2-Nitroaniline	9.533	65	162985	42.683	ng	98
49) Acenaphthylene	9.863	152	807496	39.572	ng	100
50) Dimethylphthalate	9.716	163	540541	39.316	ng	100
51) 2,6-Dinitrotoluene	9.775	165	116280	41.575	ng	98
52) Acenaphthene	10.039	154	488285	40.485	ng	98
53) 3-Nitroaniline	9.945	138	135487	41.415	ng	99
54) 2,4-Dinitrophenol	10.045	184	53173	45.117	ng	79
55) Dibenzofuran	10.210	168	702819	39.249	ng	99
56) 4-Nitrophenol	10.092	139	104968	42.968	ng	97
57) 2,4-Dinitrotoluene	10.175	165	152315	43.407	ng	98
58) Fluorene	10.551	166	529342	39.388	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	141939	40.644	ng	99
60) Diethylphthalate	10.416	149	532483	39.184	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	268207	40.079	ng	99
62) 4-Nitroaniline	10.551	138	118821	42.379	ng	98
63) Azobenzene	10.698	77	561985	39.680	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	72865	41.312	ng	97
66) n-Nitrosodiphenylamine	10.657	169	466349	38.553	ng	99
67) 4-Bromophenyl-phenylether	11.027	248	159858	39.049	ng	97
68) Hexachlorobenzene	11.104	284	162131	37.891	ng	99
69) Atrazine	11.180	200	137101	41.112	ng	99
70) Pentachlorophenol	11.292	266	106322	42.253	ng	99
71) Phenanthrene	11.510	178	721419	39.552	ng	99
72) Anthracene	11.563	178	739139	39.733	ng	100
73) Carbazole	11.710	167	654287	40.280	ng	99
74) Di-n-butylphthalate	12.045	149	761405	41.427	ng	99
75) Fluoranthene	12.698	202	700542	41.844	ng	99
77) Benzidine	12.816	184	345158	39.813	ng	98
78) Pyrene	12.927	202	694738	36.176	ng	100
80) Butylbenzylphthalate	13.539	149	273396	46.491	ng	100
81) Benzo(a)anthracene	14.116	228	577684	38.346	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	213772	42.575	ng	99
83) Chrysene	14.151	228	544414	40.193	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	393938	44.258	ng	99
85) Di-n-octyl phthalate	14.715	149	709014	43.945	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	677875	37.481	ng	99
88) Benzo(b)fluoranthene	15.186	252	626330	39.973	ng	99
89) Benzo(k)fluoranthene	15.221	252	538347	38.503	ng	99
90) Benzo(a)pyrene	15.568	252	573999	39.760	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	549063	37.299	ng	99
92) Benzo(g,h,i)perylene	17.645	276	526414	36.968	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

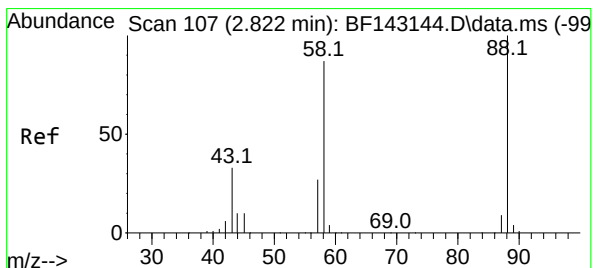
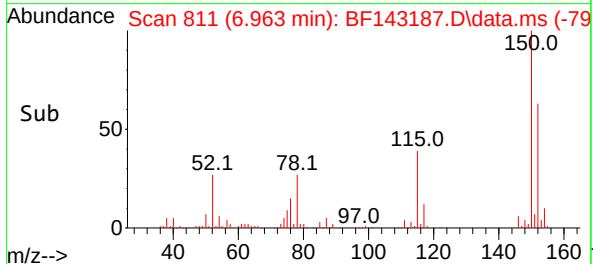
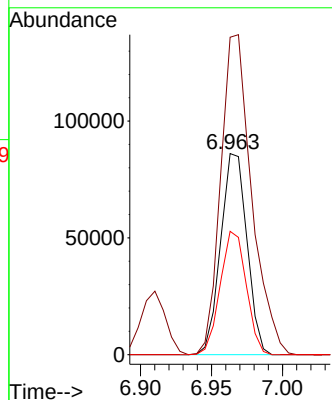
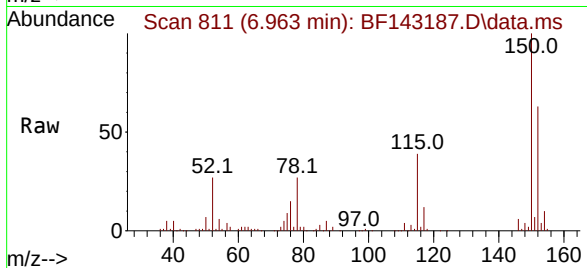
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

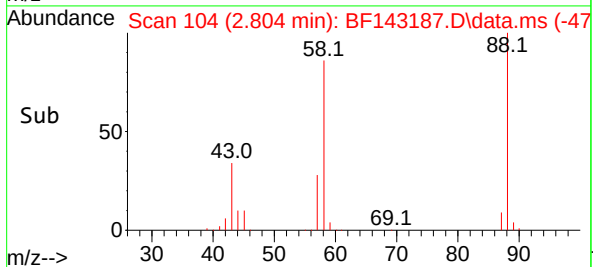
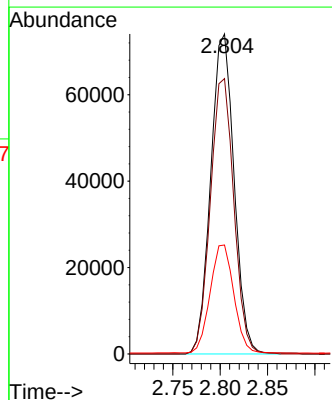
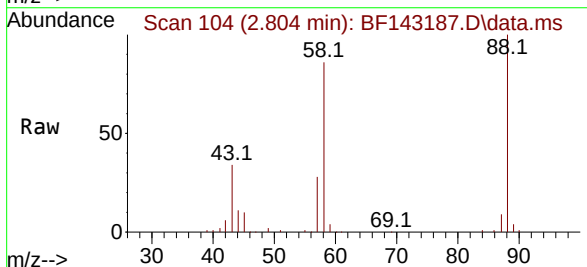
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

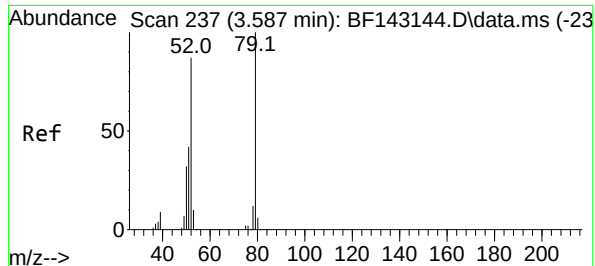
Tgt Ion:152 Resp: 111012
Ion Ratio Lower Upper
152 100
150 157.9 128.2 192.4
115 61.3 47.9 71.9



#2
1,4-Dioxane
Concen: 38.305 ng
RT: 2.804 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion: 88 Resp: 127151
Ion Ratio Lower Upper
88 100
58 86.4 70.2 105.2
43 34.3 27.1 40.7





#3

Pyridine

Concen: 38.307 ng

RT: 3.581 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

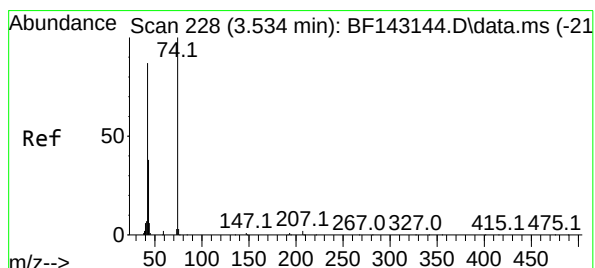
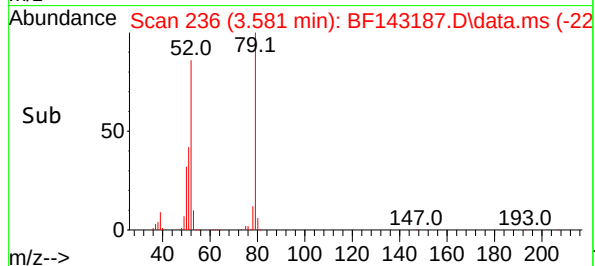
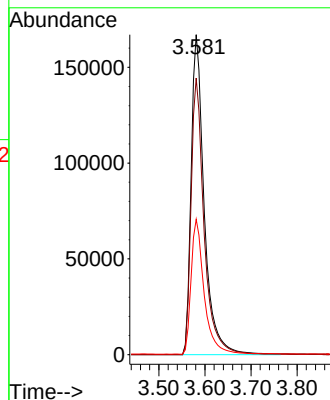
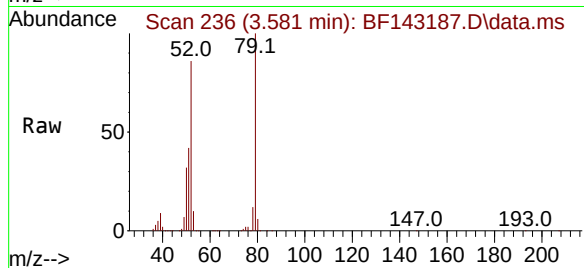
Tgt Ion: 79 Resp: 330042

Ion Ratio Lower Upper

79 100

52 86.4 69.4 104.2

51 42.3 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 38.581 ng

RT: 3.516 min Scan# 225

Delta R.T. -0.018 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

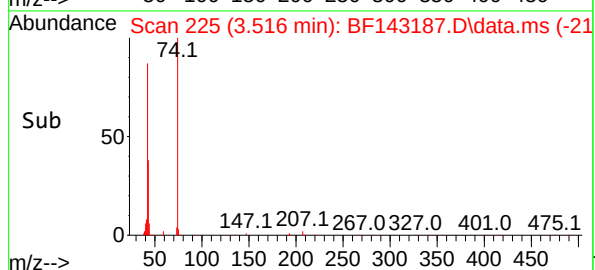
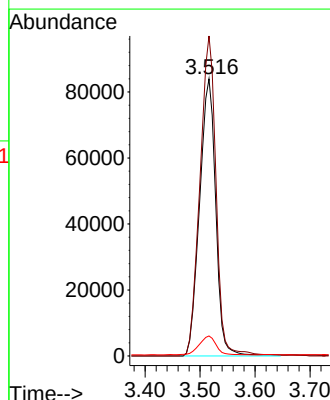
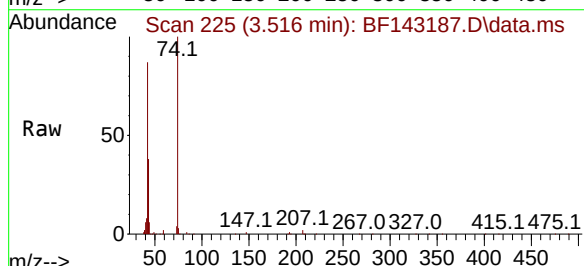
Tgt Ion: 42 Resp: 171619

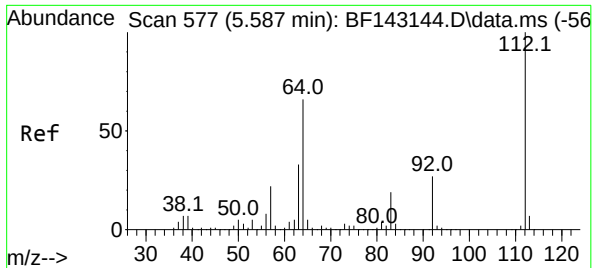
Ion Ratio Lower Upper

42 100

74 115.5 91.7 137.5

44 7.2 5.6 8.4

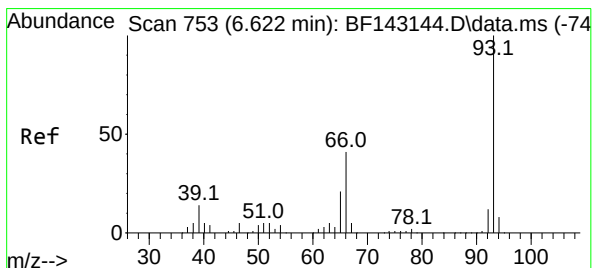
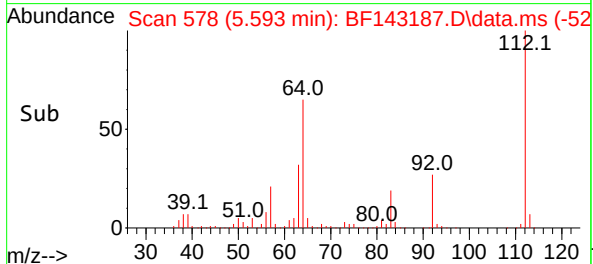
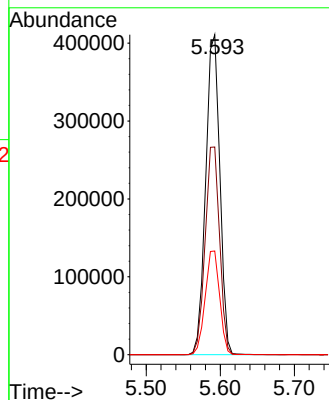
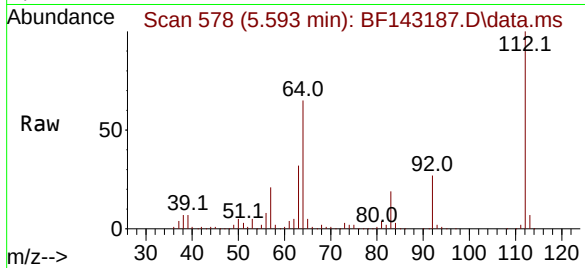




#5
2-Fluorophenol
Concen: 77.753 ng
RT: 5.593 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

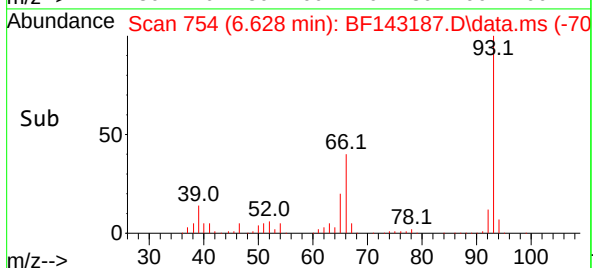
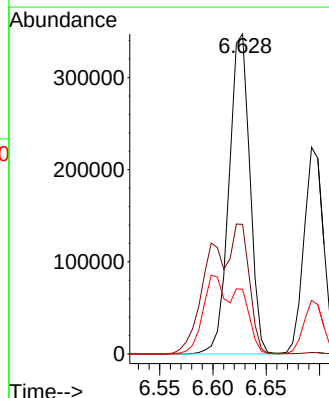
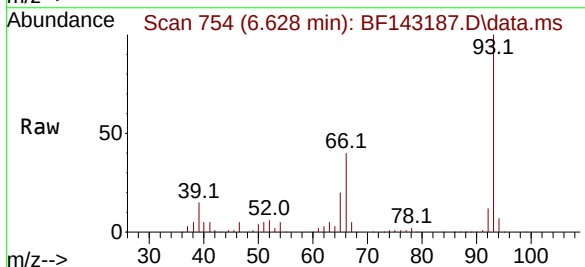
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

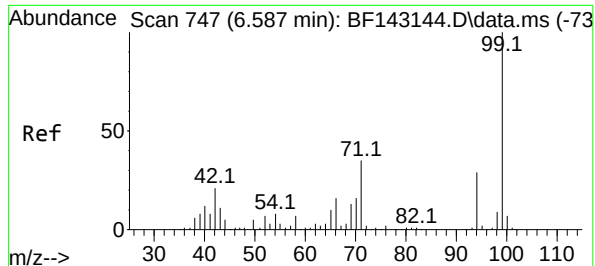
Tgt Ion:112 Resp: 545451
Ion Ratio Lower Upper
112 100
64 64.9 53.1 79.7
63 32.4 26.6 40.0



#6
Aniline
Concen: 38.416 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion: 93 Resp: 472751
Ion Ratio Lower Upper
93 100
66 40.5 33.2 49.8
65 20.2 16.9 25.3

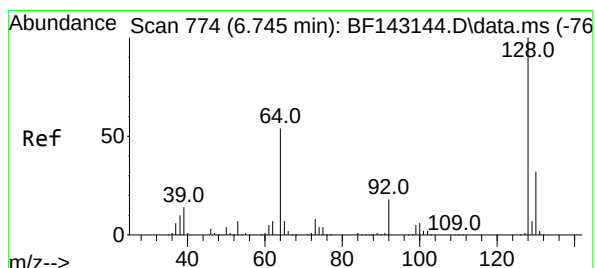
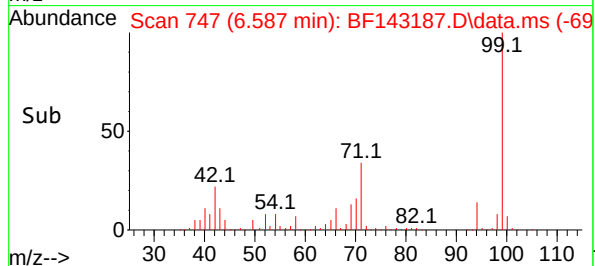
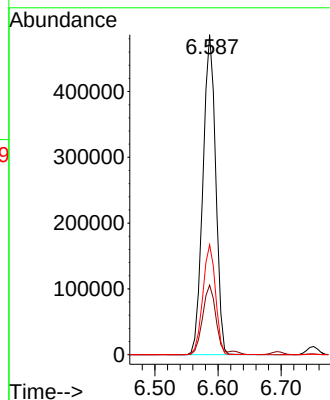
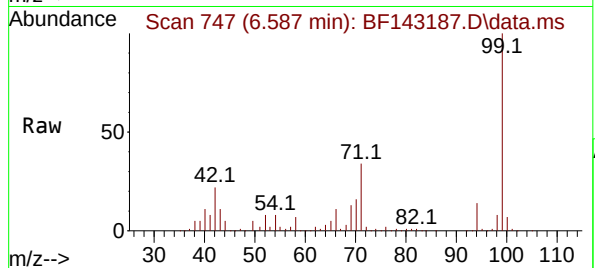




#7
Phenol-d6
Concen: 77.413 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

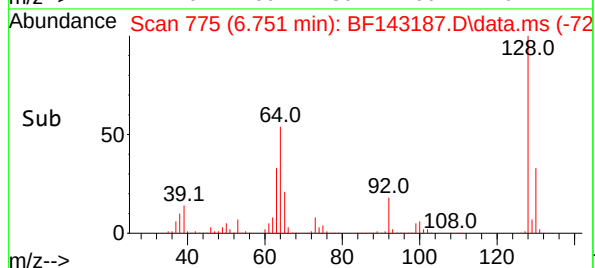
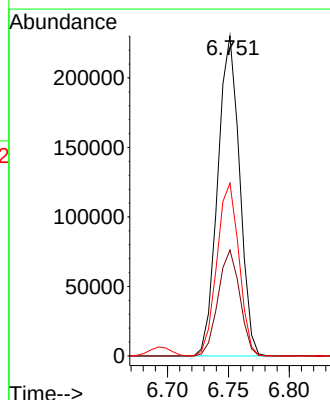
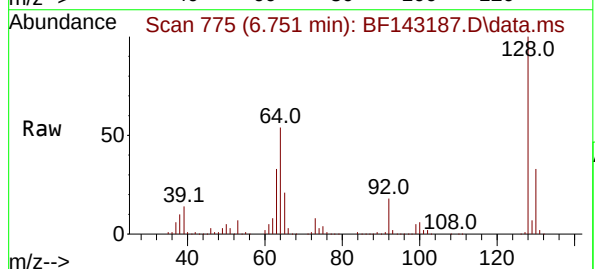
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

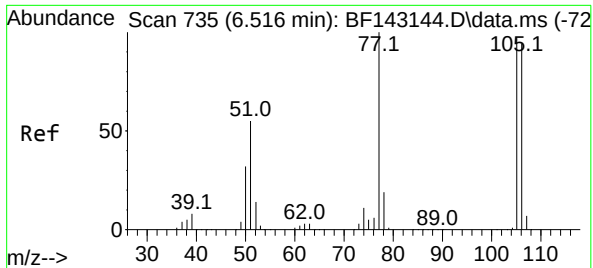
Tgt Ion: 99 Resp: 683542
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 34.3 27.7 41.5



#8
2-Chlorophenol
Concen: 39.143 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion: 128 Resp: 287831
Ion Ratio Lower Upper
128 100
130 33.1 12.3 52.3
64 54.0 35.9 75.9





#9

Benzaldehyde

Concen: 37.310 ng

RT: 6.516 min Scan# 735

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

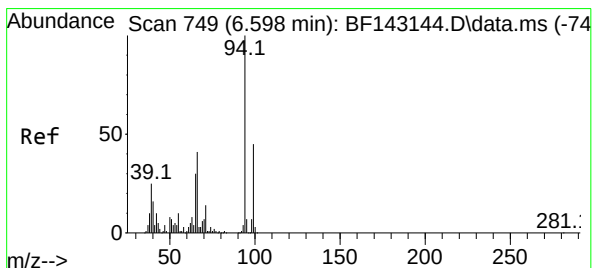
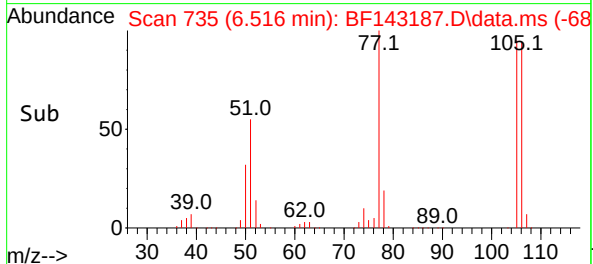
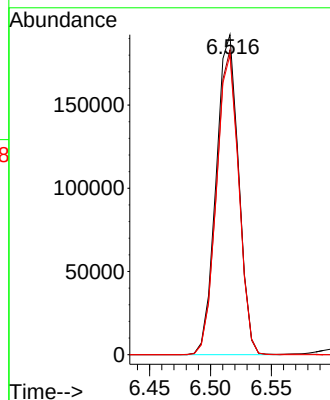
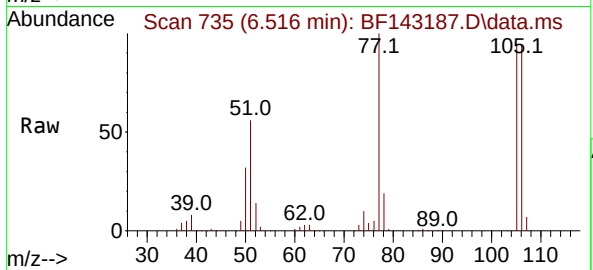
Tgt Ion: 77 Resp: 247030

Ion Ratio Lower Upper

77 100

105 95.3 76.8 116.8

106 93.6 74.4 114.4



#10

Phenol

Concen: 41.254 ng

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

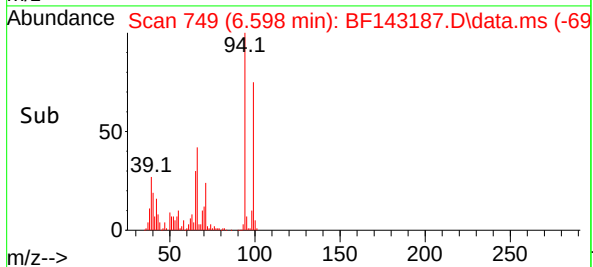
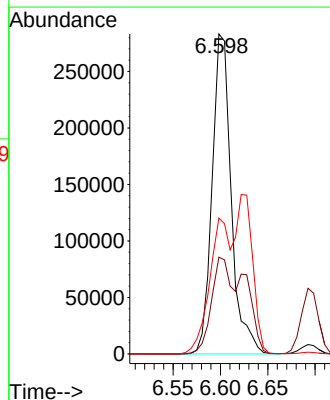
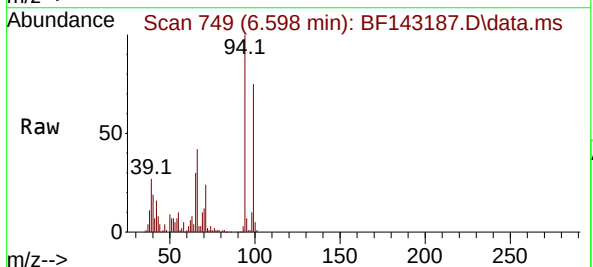
Tgt Ion: 94 Resp: 396833

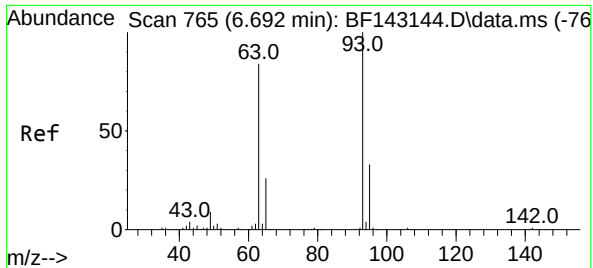
Ion Ratio Lower Upper

94 100

65 30.3 10.0 50.0

66 42.5 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 38.553 ng

RT: 6.692 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

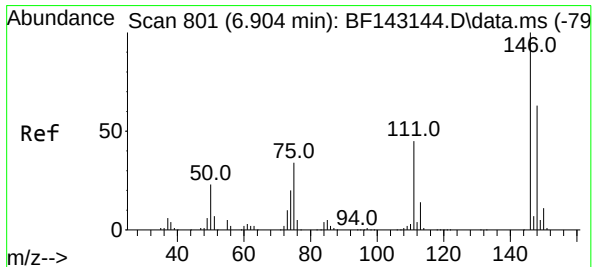
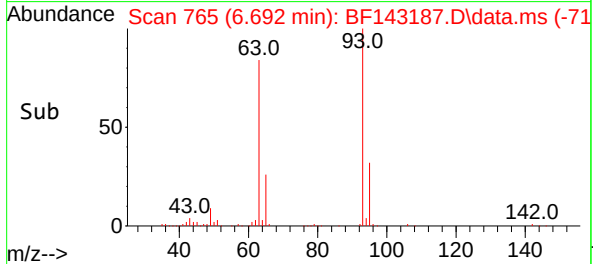
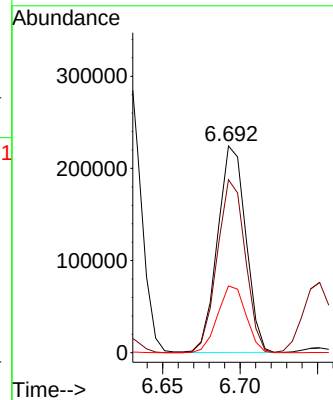
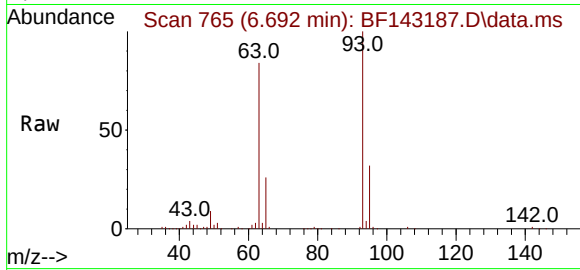
BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 93 Resp: 283947

Ion	Ratio	Lower	Upper
93	100		
63	83.7	63.4	103.4
95	32.3	12.4	52.4



#12

1,3-Dichlorobenzene

Concen: 39.411 ng

RT: 6.910 min Scan# 802

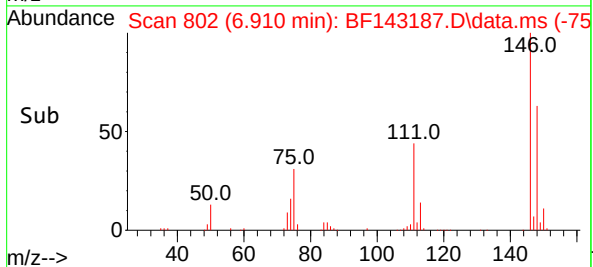
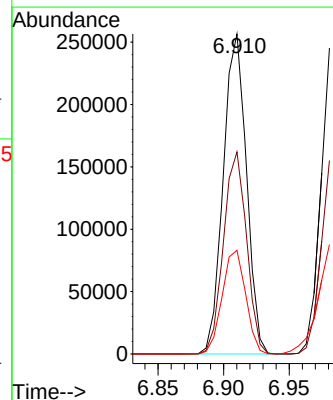
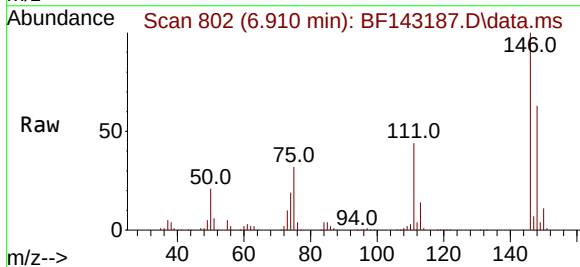
Delta R.T. 0.006 min

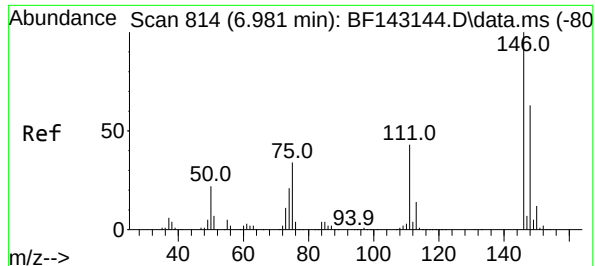
Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Tgt Ion: 146 Resp: 314817

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	76.0
75	32.4	27.4	41.2





#13

1,4-Dichlorobenzene

Concen: 39.163 ng

RT: 6.987 min Scan# 814

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

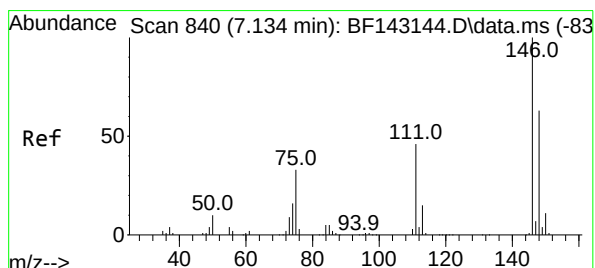
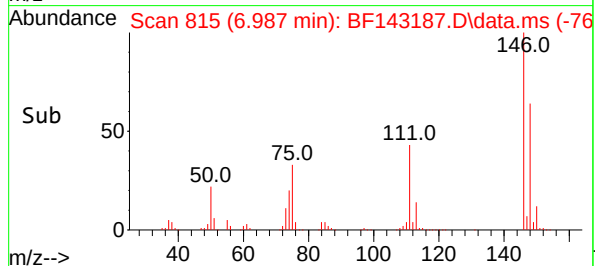
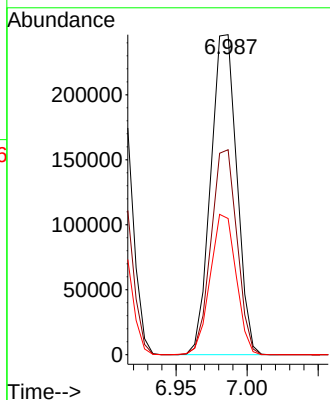
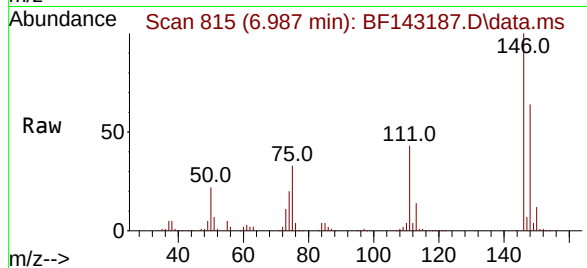
Tgt Ion:146 Resp: 315046

Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

111 42.6 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 39.385 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

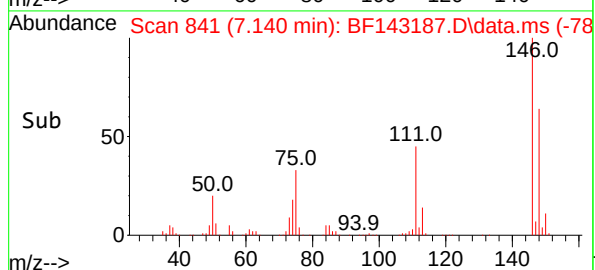
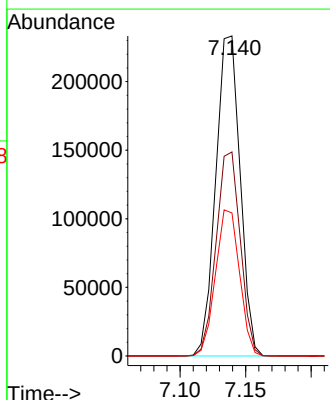
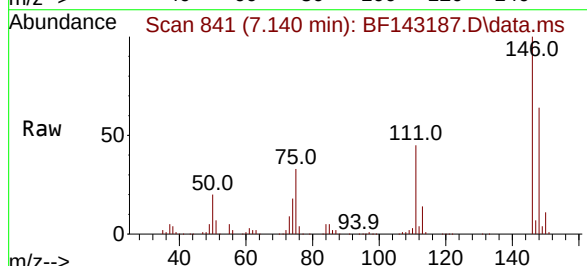
Tgt Ion:146 Resp: 301343

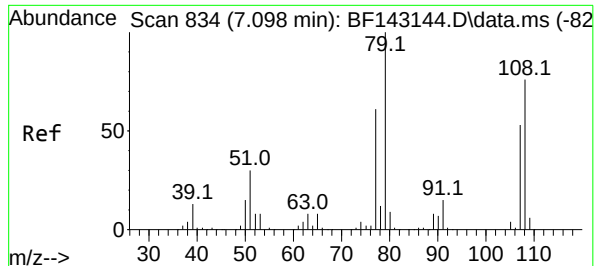
Ion Ratio Lower Upper

146 100

148 63.7 50.7 76.1

111 44.7 36.6 54.8





#15

Benzyl Alcohol

Concen: 39.223 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

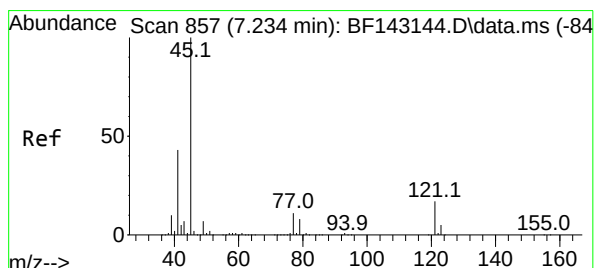
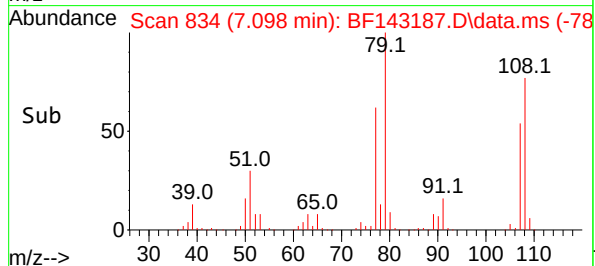
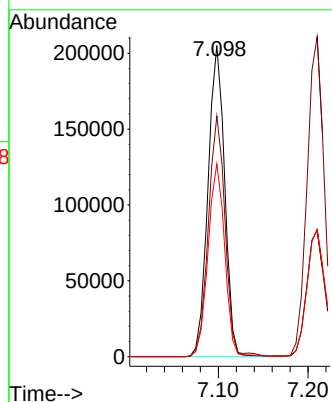
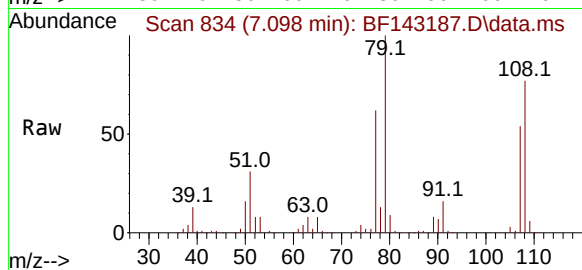
Tgt Ion: 79 Resp: 264441

Ion Ratio Lower Upper

79 100

108 77.3 61.1 91.7

77 62.0 48.9 73.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.713 ng

RT: 7.239 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

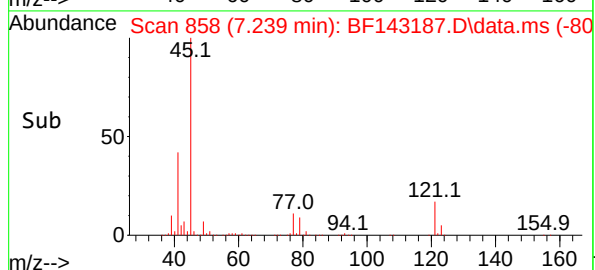
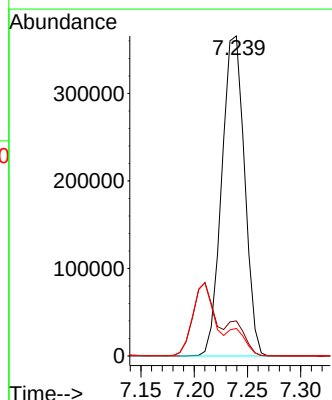
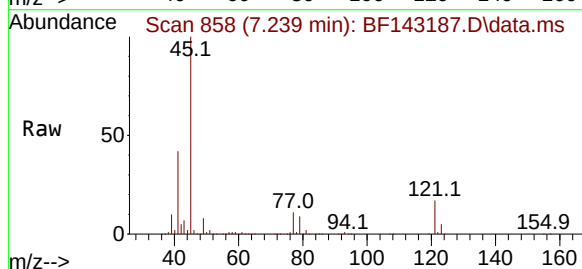
Tgt Ion: 45 Resp: 542587

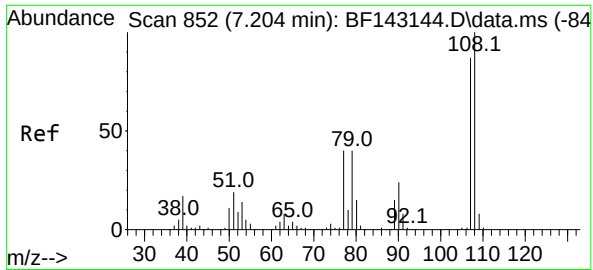
Ion Ratio Lower Upper

45 100

77 10.9 0.0 31.2

79 8.6 0.0 28.5

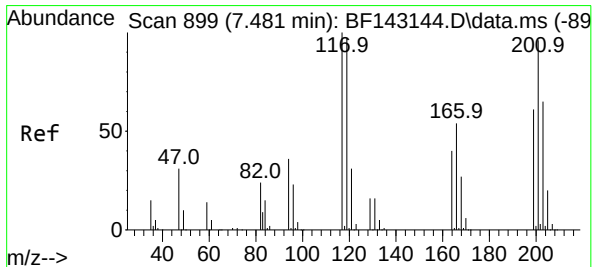
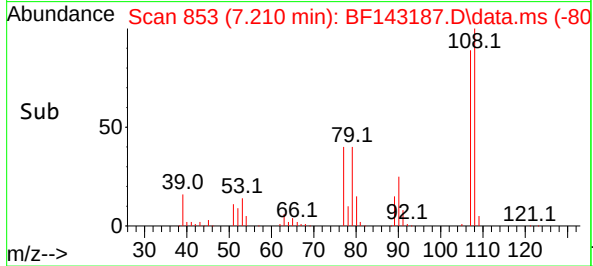
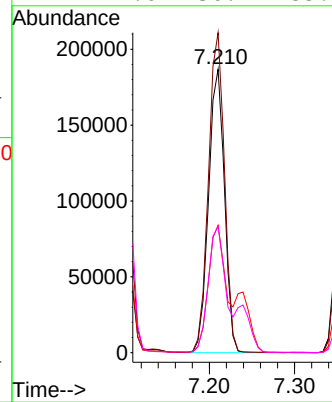
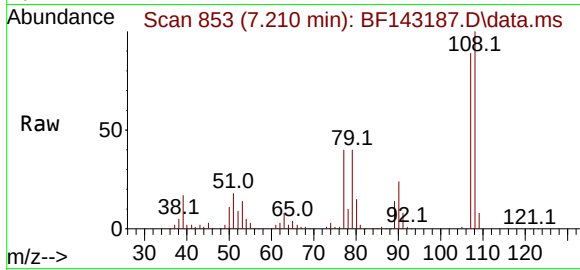




#17
2-Methylphenol
Concen: 39.321 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

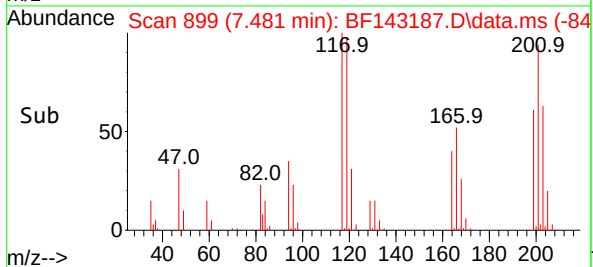
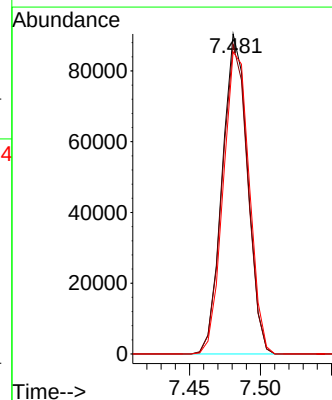
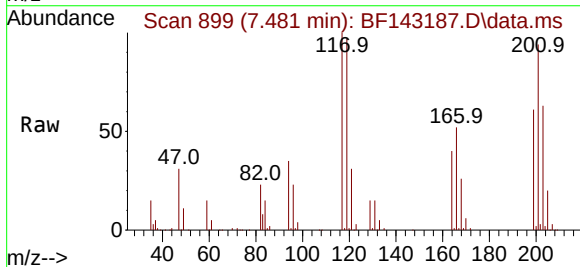
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

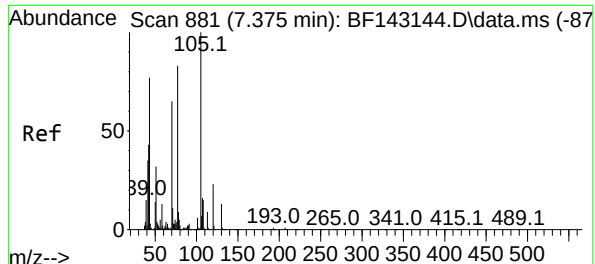
Tgt Ion:107 Resp: 243112
Ion Ratio Lower Upper
107 100
108 112.9 91.8 137.6
77 45.0 37.0 55.6
79 44.6 36.9 55.3



#18
Hexachloroethane
Concen: 40.297 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:117 Resp: 112222
Ion Ratio Lower Upper
117 100
119 96.7 77.8 116.8
201 94.4 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 37.224 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

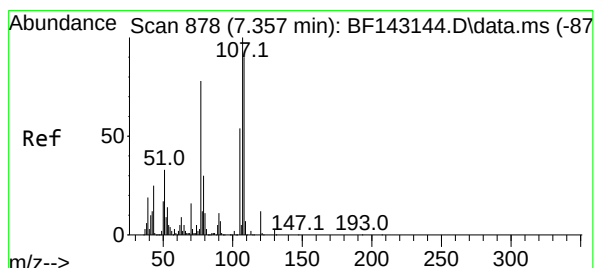
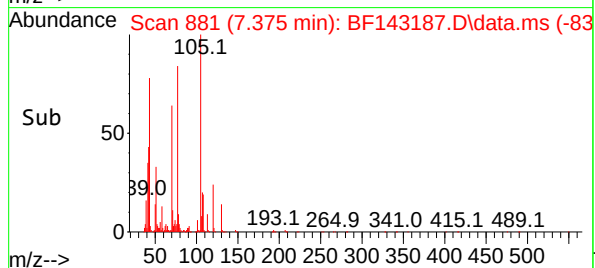
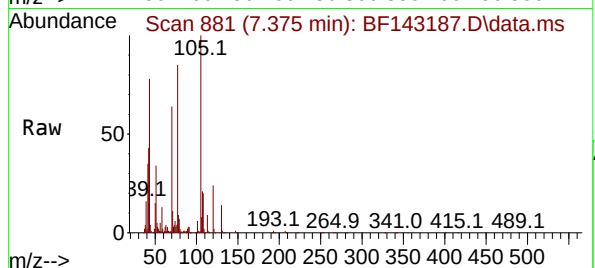
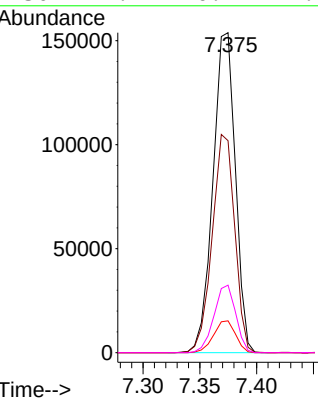
BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 70 Resp: 210871

Ion	Ratio	Lower	Upper
70	100		
42	66.3	52.5	78.7
101	10.0	7.6	11.4
130	21.1	16.1	24.1



#20

3+4-Methylphenols

Concen: 40.254 ng

RT: 7.363 min Scan# 879

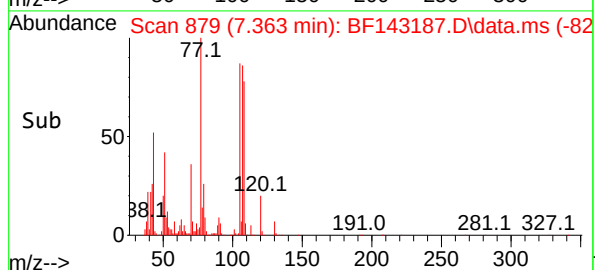
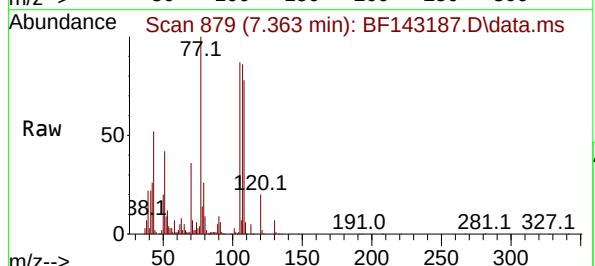
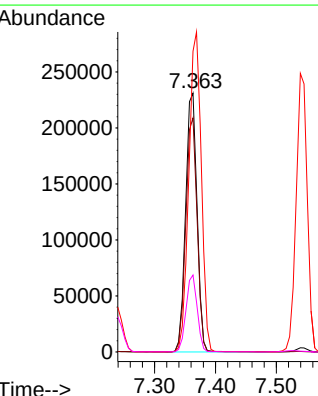
Delta R.T. 0.006 min

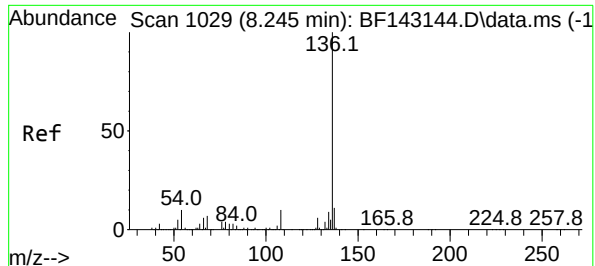
Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Tgt Ion: 107 Resp: 301964

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.0	110.0
77	116.2	57.8	97.8
79	29.7	9.5	49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143187.D

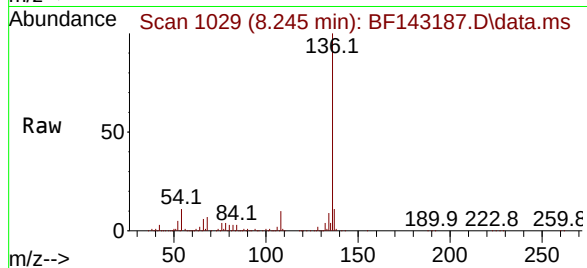
Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

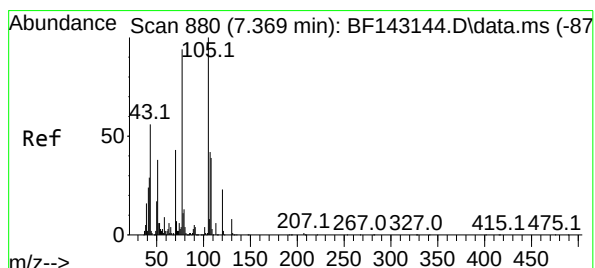
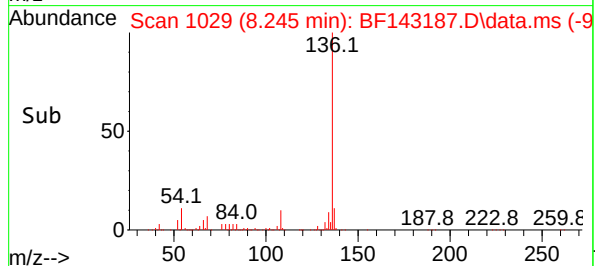
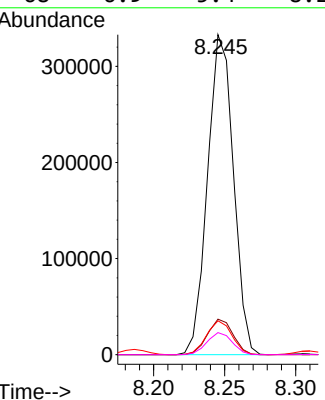
ClientSampleId :

SSTDCCC040EC



Tgt Ion:136 Resp: 422094

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.6	8.2	12.2
68	6.9	5.4	8.2



#22

Acetophenone

Concen: 38.442 ng

RT: 7.369 min Scan# 880

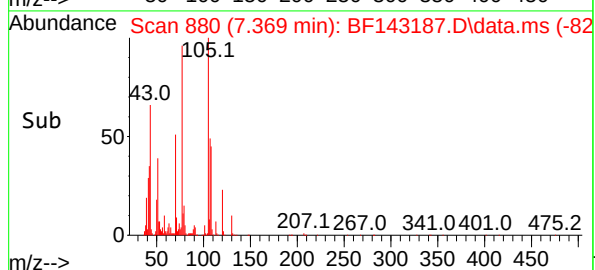
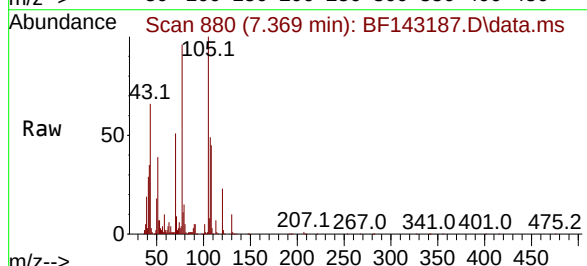
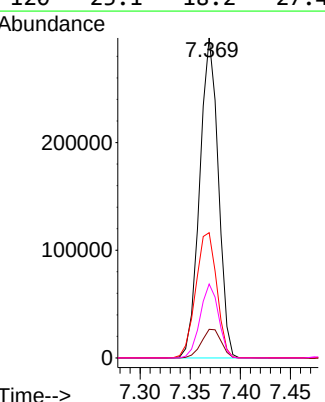
Delta R.T. 0.000 min

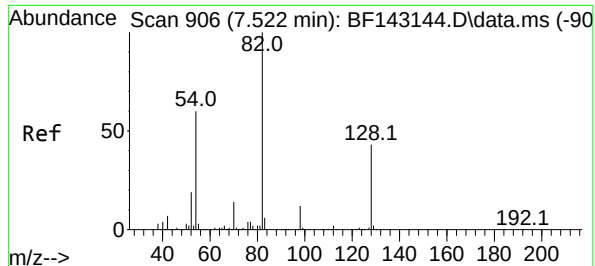
Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Tgt Ion:105 Resp: 384155

Ion	Ratio	Lower	Upper
105	100		
71	8.9	5.8	8.6#
51	39.2	30.2	45.2
120	23.1	18.2	27.4





#23

Nitrobenzene-d5

Concen: 80.559 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

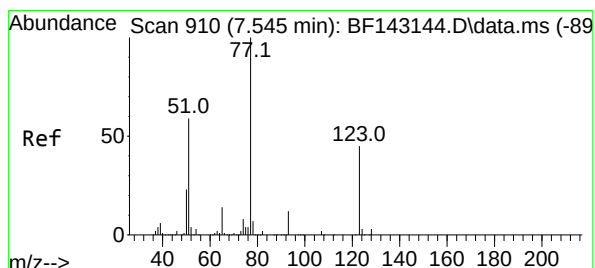
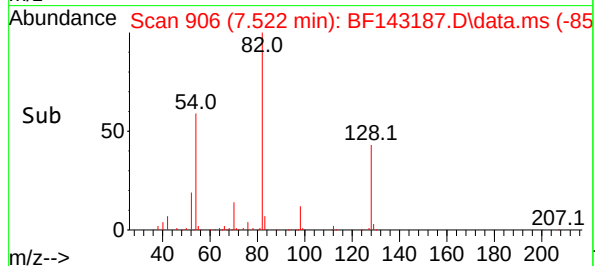
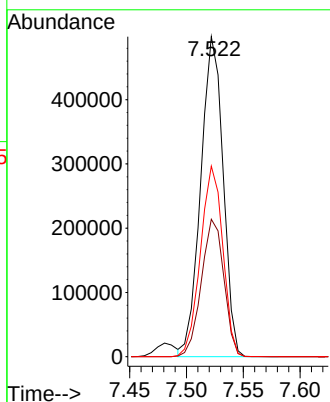
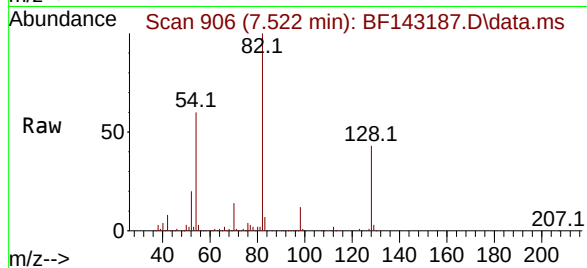
Tgt Ion: 82 Resp: 682159

Ion Ratio Lower Upper

82 100

128 42.9 33.6 50.4

54 59.6 47.1 70.7



#24

Nitrobenzene

Concen: 39.866 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

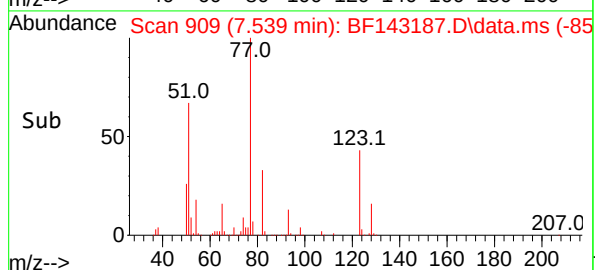
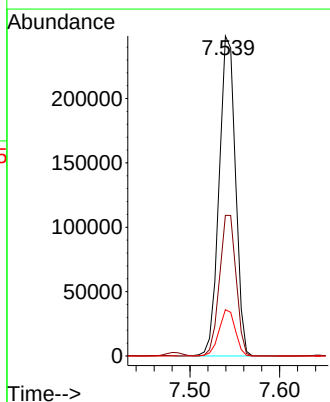
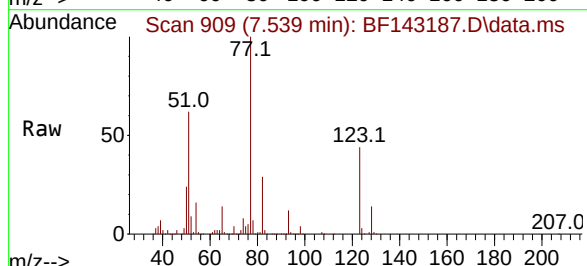
Tgt Ion: 77 Resp: 314726

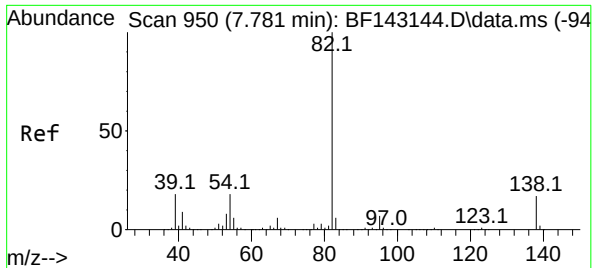
Ion Ratio Lower Upper

77 100

123 44.0 36.1 54.1

65 14.4 11.4 17.2

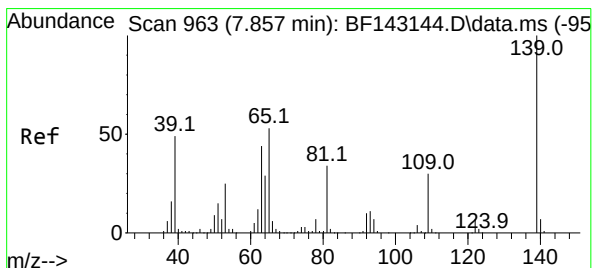
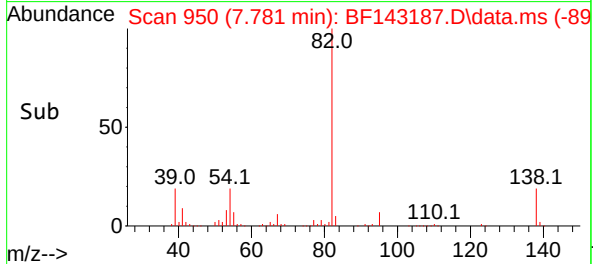
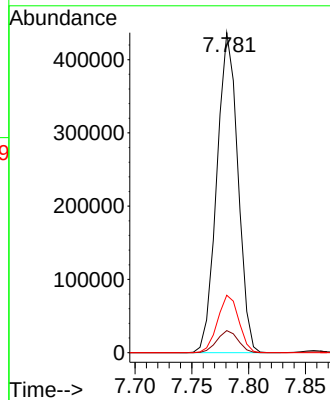
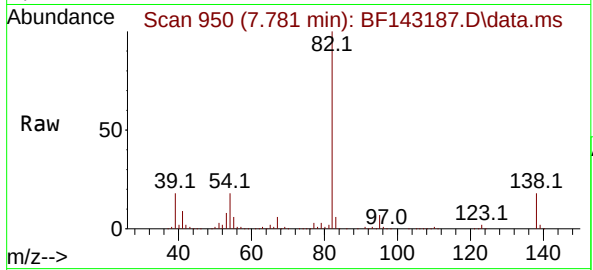




#25
Isophorone
Concen: 37.763 ng
RT: 7.781 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

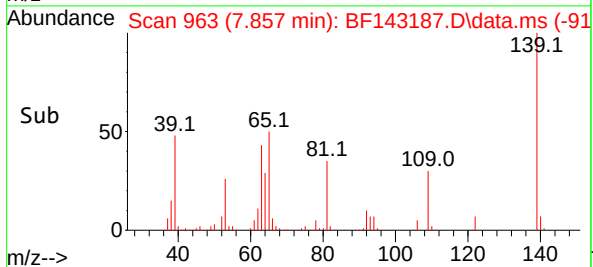
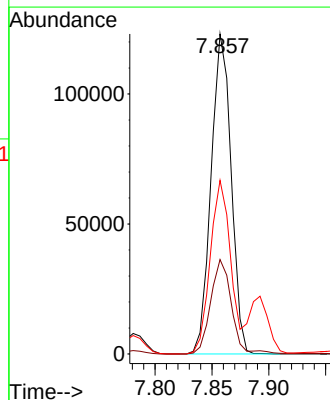
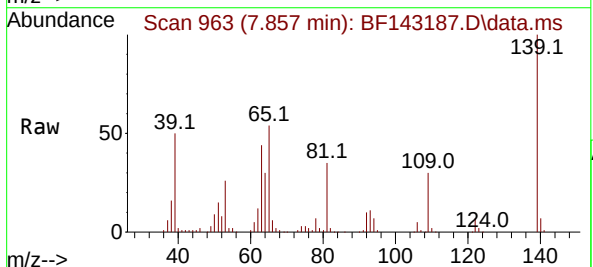
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

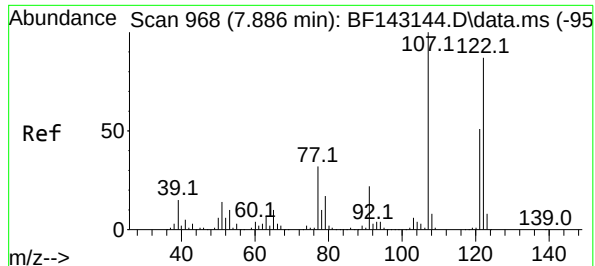
Tgt Ion: 82 Resp: 564494
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 18.0 13.8 20.8



#26
2-Nitrophenol
Concen: 44.078 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:139 Resp: 151024
Ion Ratio Lower Upper
139 100
109 29.5 23.6 35.4
65 54.3 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 38.679 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

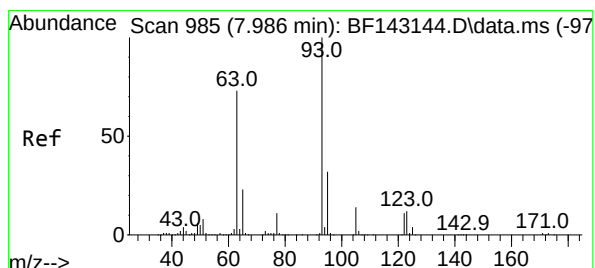
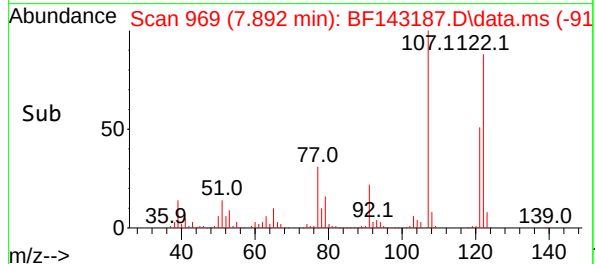
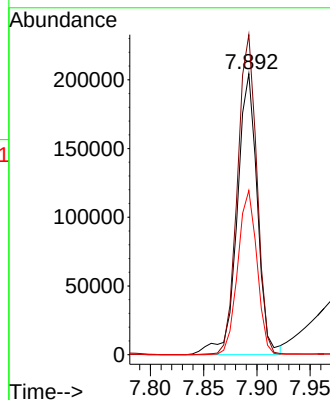
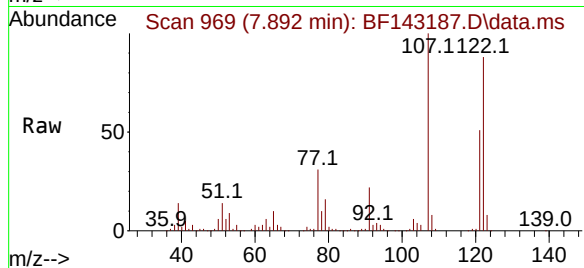
BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:122 Resp: 270134

Ion	Ratio	Lower	Upper
122	100		
107	113.9	91.8	137.6
121	58.4	46.3	69.5



#28

bis(2-Chloroethoxy)methane

Concen: 38.868 ng

RT: 7.987 min Scan# 985

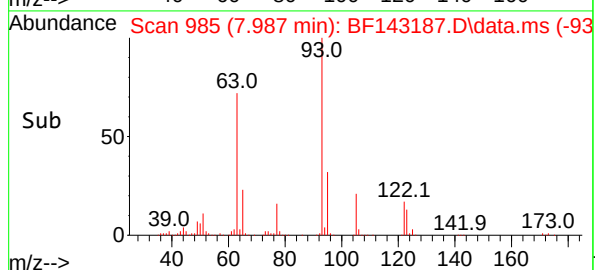
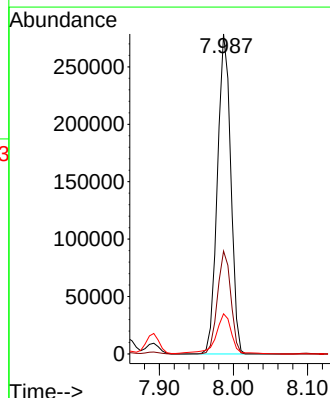
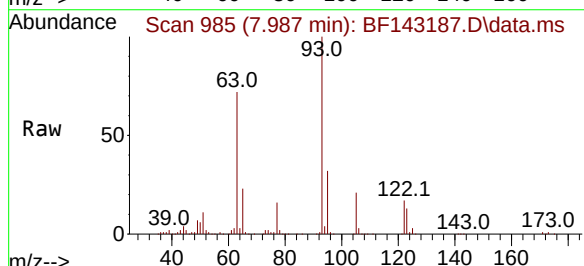
Delta R.T. 0.000 min

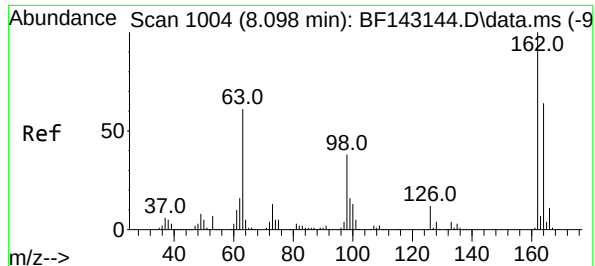
Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Tgt Ion: 93 Resp: 348359

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.6
123	12.5	9.7	14.5





#29

2,4-Dichlorophenol

Concen: 39.425 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

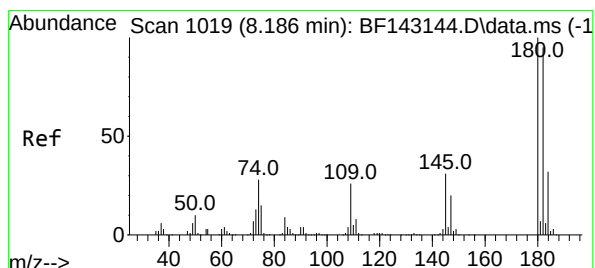
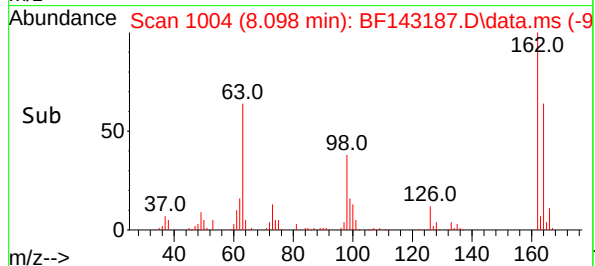
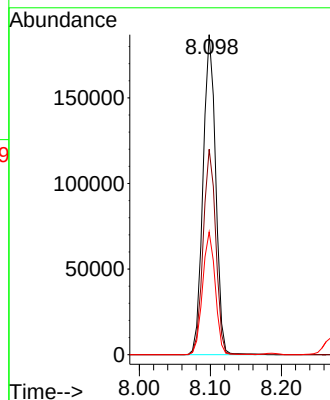
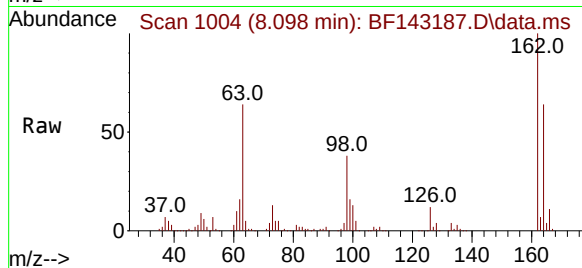
Tgt Ion:162 Resp: 232204

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

98 38.4 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 39.329 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

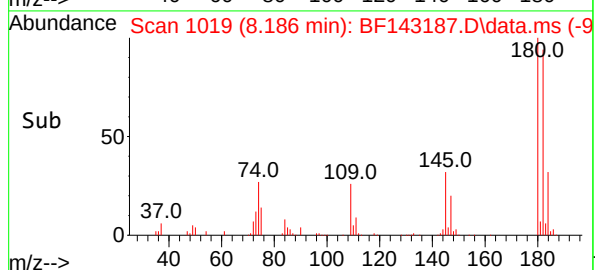
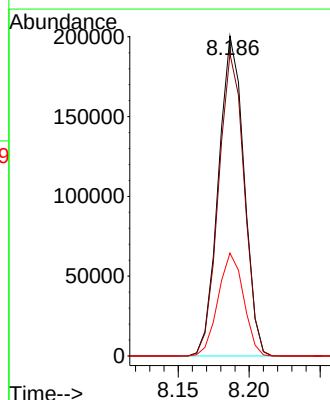
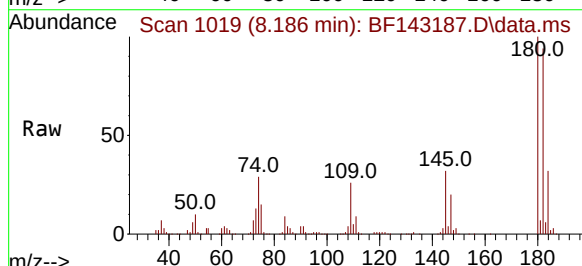
Tgt Ion:180 Resp: 250252

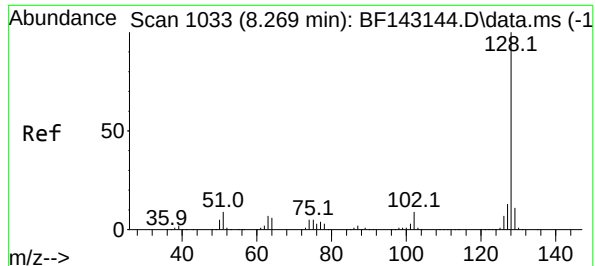
Ion Ratio Lower Upper

180 100

182 94.4 76.2 114.2

145 32.2 25.0 37.6





#31

Naphthalene

Concen: 39.398 ng

RT: 8.269 min Scan# 1033

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

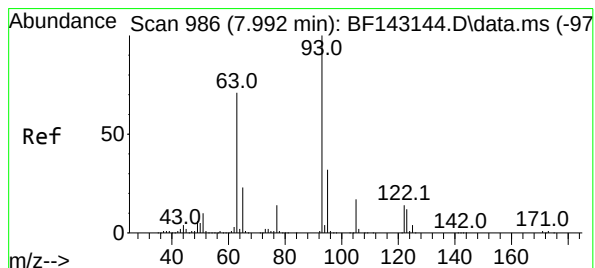
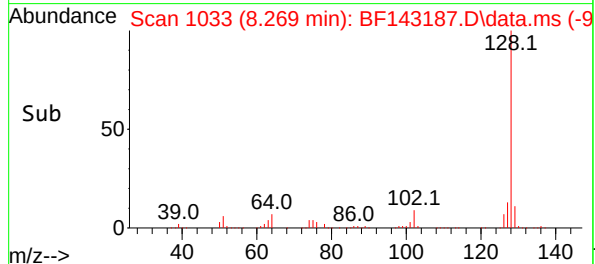
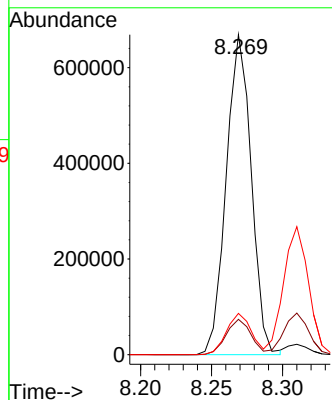
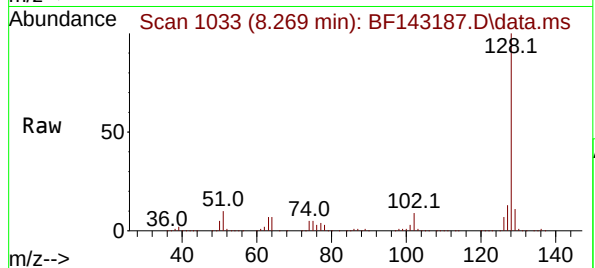
Tgt Ion:128 Resp: 818994

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

127 12.9 10.6 16.0



#32

Benzoic acid

Concen: 43.041 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.011 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

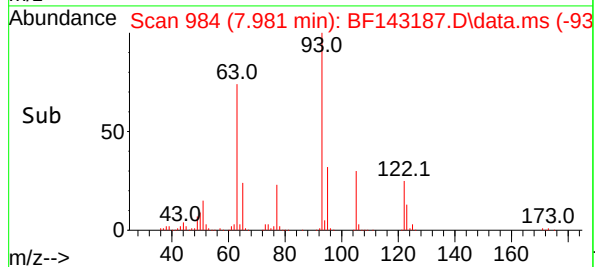
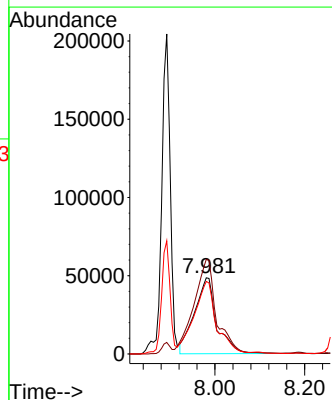
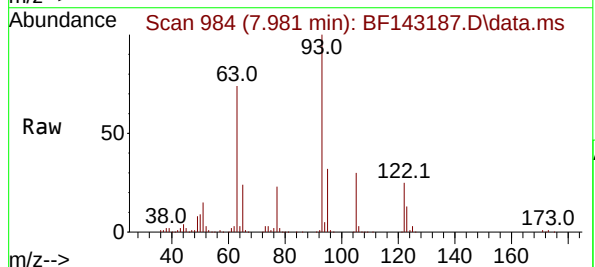
Tgt Ion:122 Resp: 166968

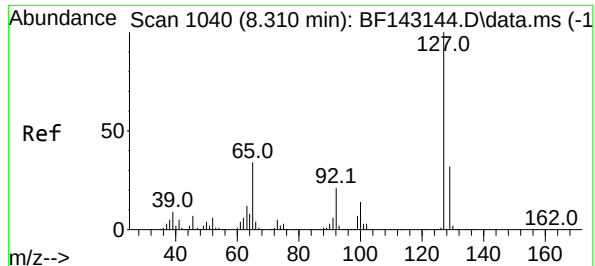
Ion Ratio Lower Upper

122 100

105 124.1 104.8 144.8

77 95.1 77.6 117.6





#33

4-Chloroaniline

Concen: 38.830 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion:127 Resp: 329590

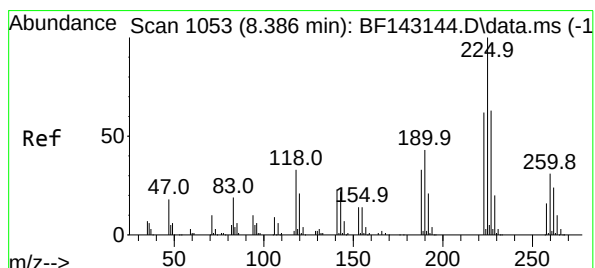
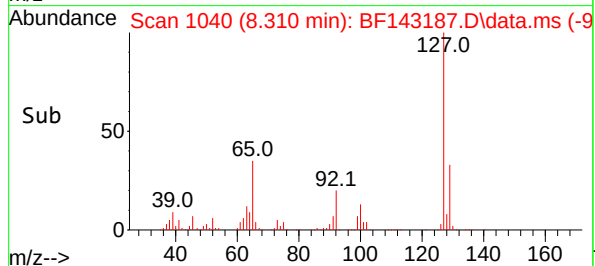
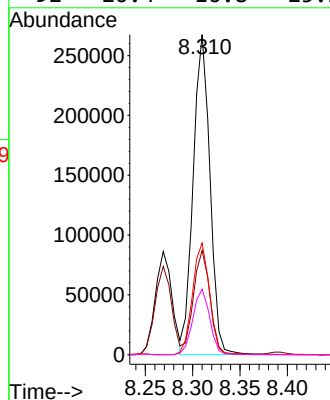
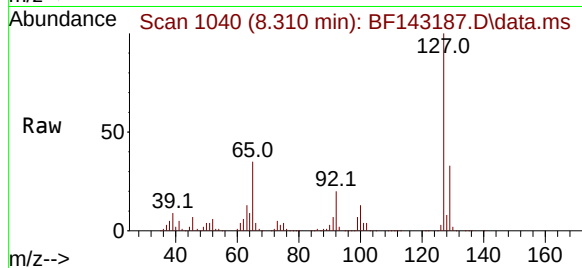
Ion Ratio Lower Upper

127 100

129 32.5 26.0 39.0

65 34.9 27.4 41.2

92 20.4 16.8 25.2



#34

Hexachlorobutadiene

Concen: 39.691 ng

RT: 8.392 min Scan# 1054

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

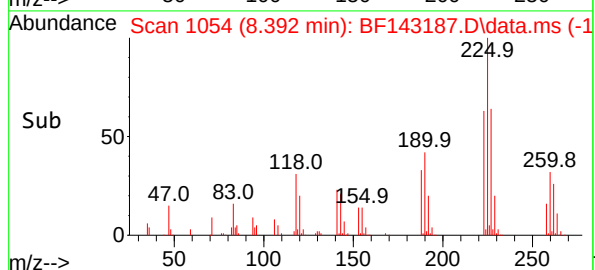
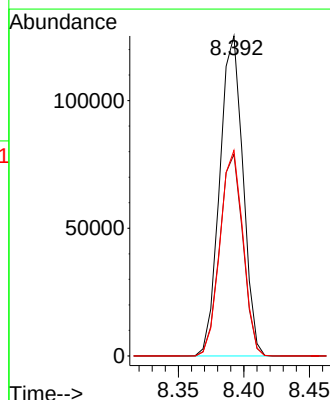
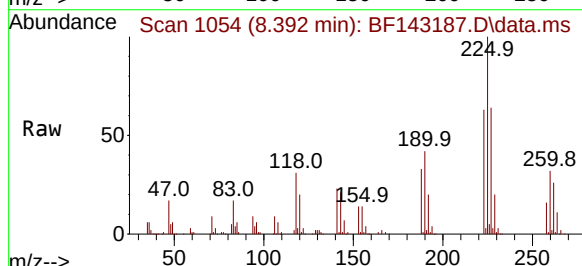
Tgt Ion:225 Resp: 154282

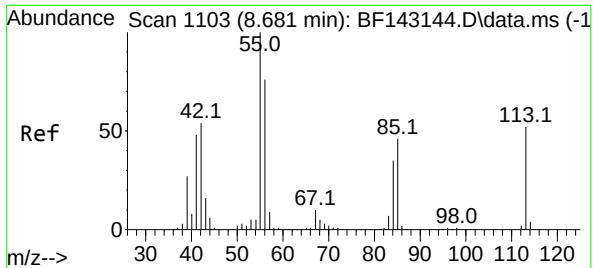
Ion Ratio Lower Upper

225 100

223 63.0 49.8 74.6

227 64.2 50.2 75.4

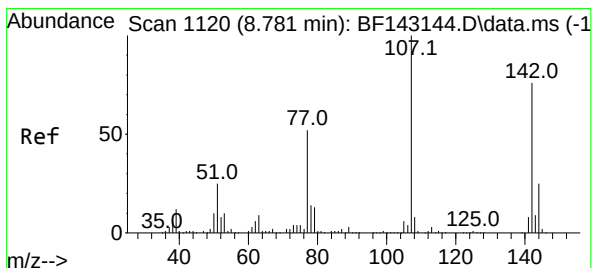
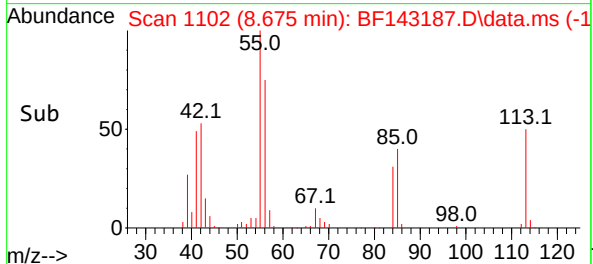
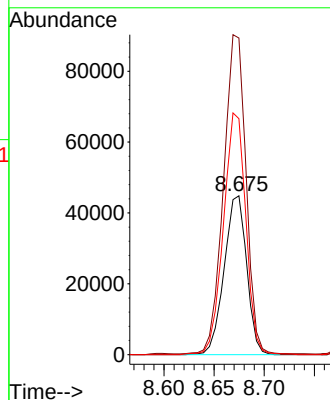
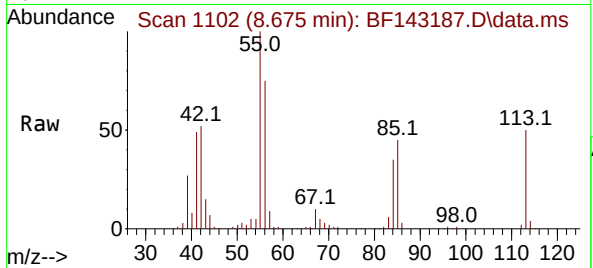




#35
Caprolactam
Concen: 39.340 ng
RT: 8.675 min Scan# 1102
Delta R.T. -0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

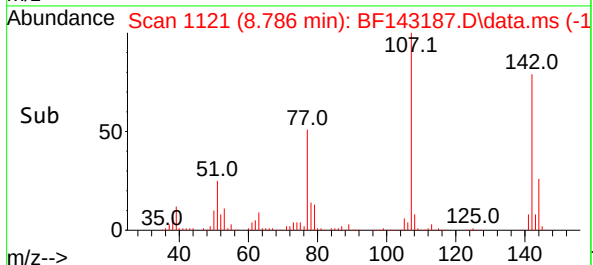
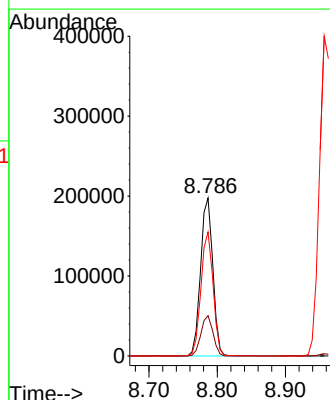
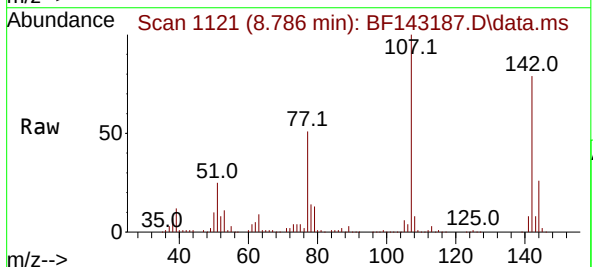
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

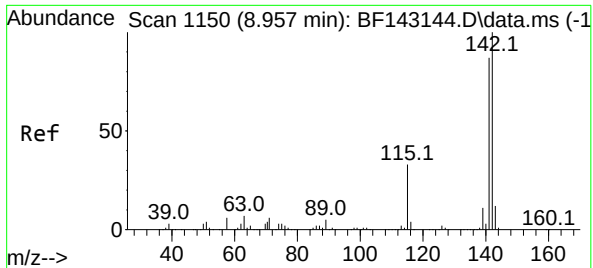
Tgt Ion:113 Resp: 70018
Ion Ratio Lower Upper
113 100
55 199.4 174.0 214.0
56 148.6 126.6 166.6



#36
4-Chloro-3-methylphenol
Concen: 38.680 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:107 Resp: 247616
Ion Ratio Lower Upper
107 100
144 25.6 19.8 29.6
142 78.5 60.6 90.8

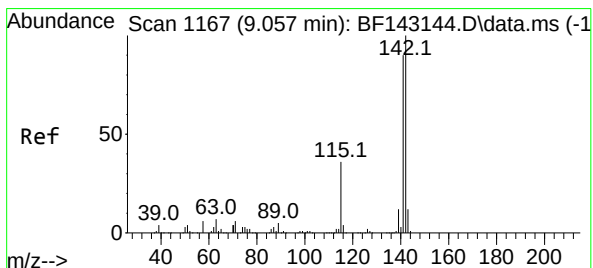
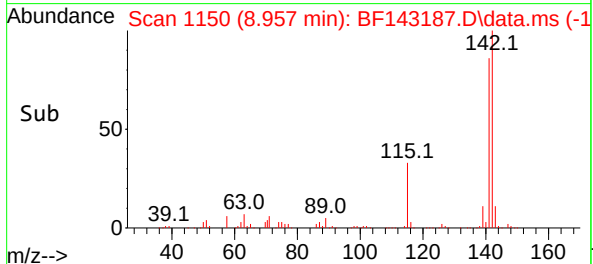
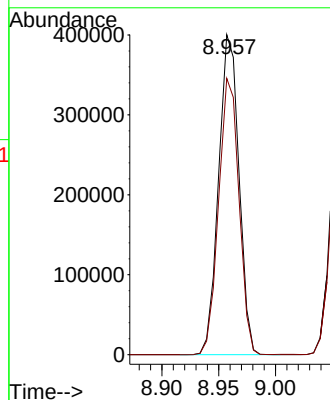
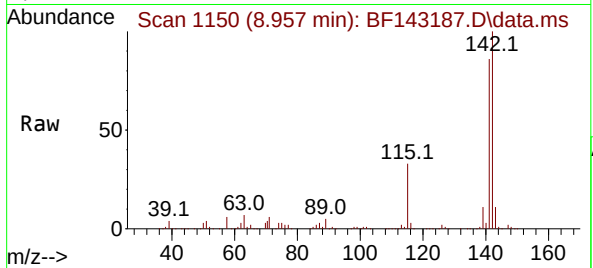




#37
2-Methylnaphthalene
Concen: 39.453 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

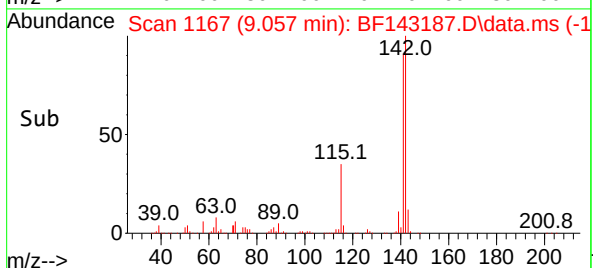
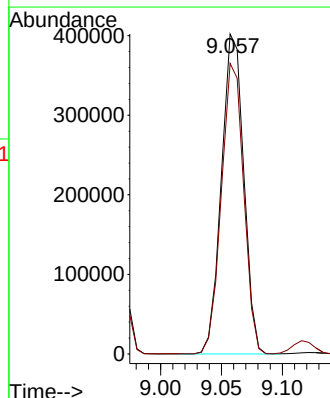
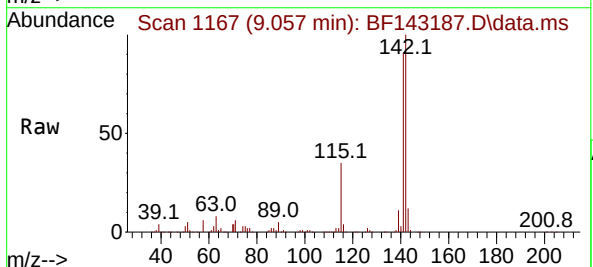
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

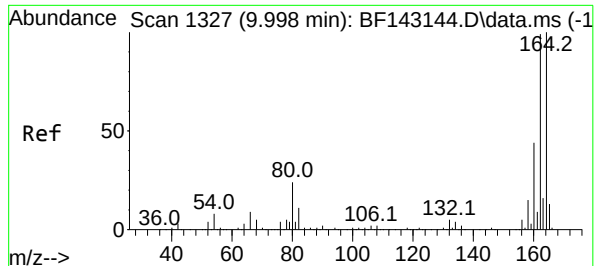
Tgt Ion:142 Resp: 499061
Ion Ratio Lower Upper
142 100
141 86.3 69.9 104.9



#38
1-Methylnaphthalene
Concen: 39.373 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:142 Resp: 512869
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1178

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

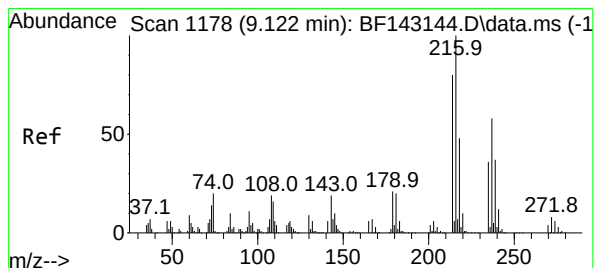
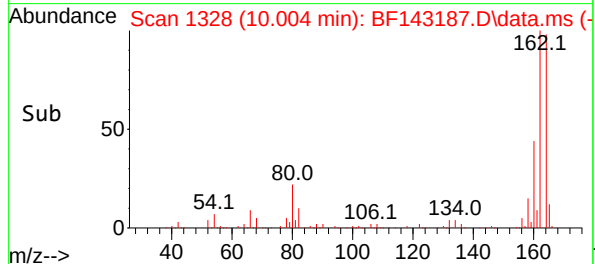
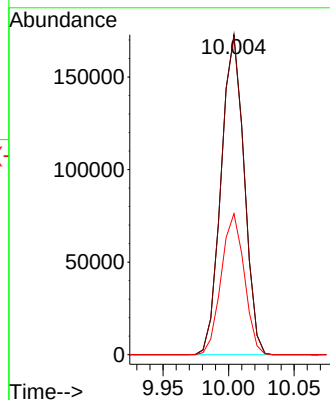
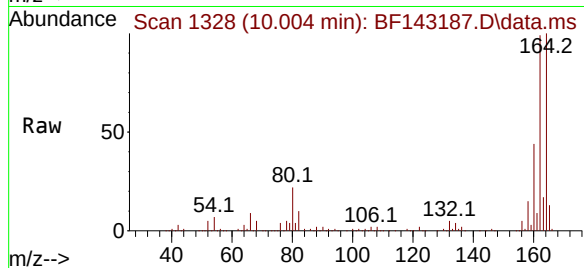
Tgt Ion:164 Resp: 210926

Ion Ratio Lower Upper

164 100

162 99.4 79.0 118.6

160 44.0 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.183 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Tgt Ion:216 Resp: 244698

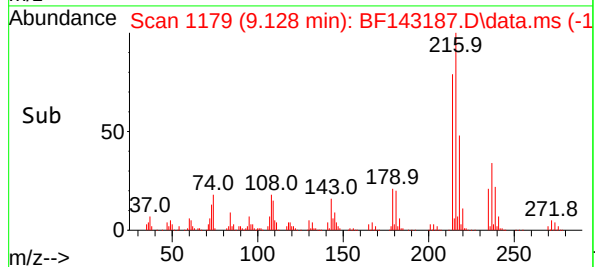
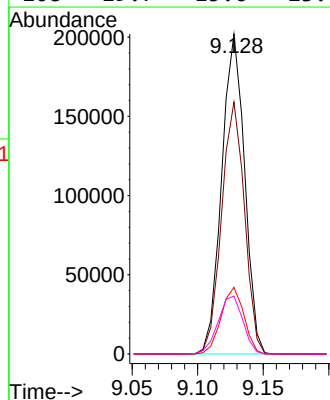
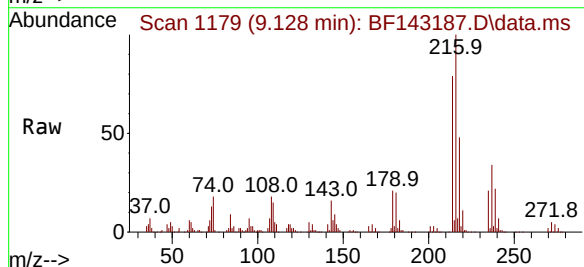
Ion Ratio Lower Upper

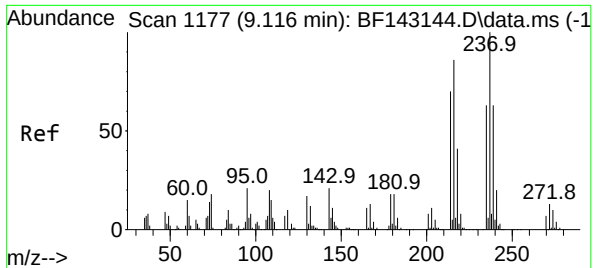
216 100

214 78.5 63.8 95.8

179 20.8 16.4 24.6

108 19.7 15.6 23.4

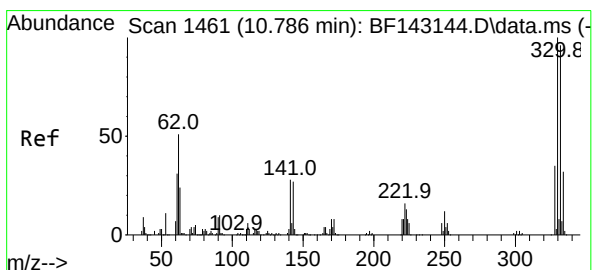
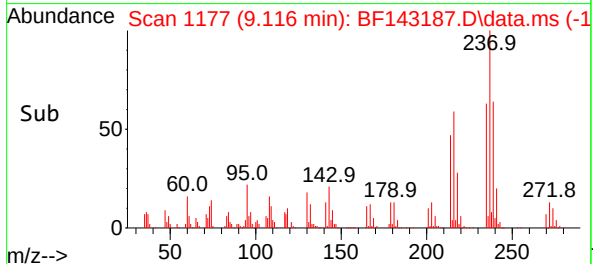
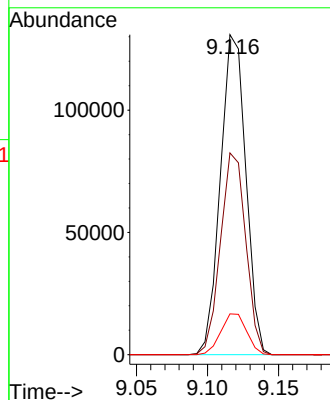
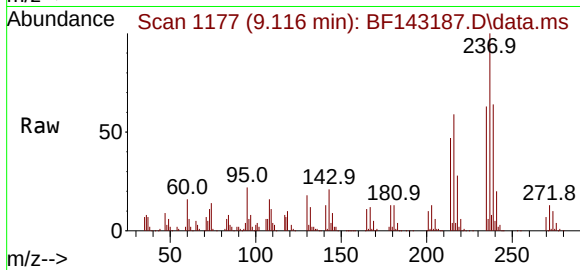




#41
Hexachlorocyclopentadiene
Concen: 41.178 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

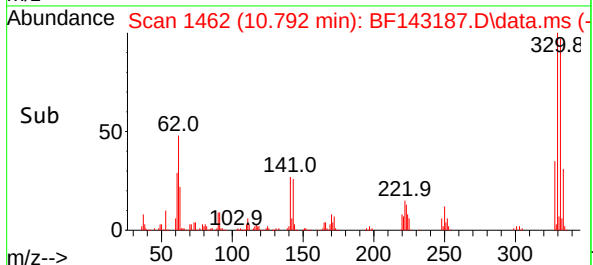
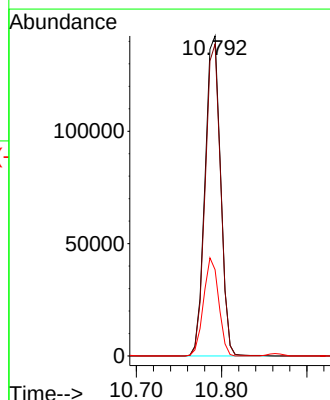
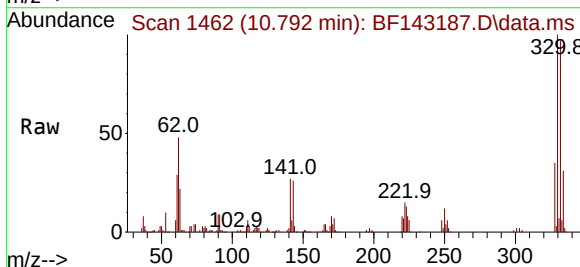
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

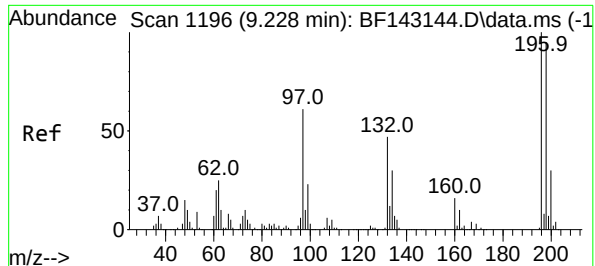
Tgt Ion:237 Resp: 163162
Ion Ratio Lower Upper
237 100
235 63.1 43.0 83.0
272 12.8 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 82.786 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:330 Resp: 180390
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 29.9 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 39.058 ng

RT: 9.233 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

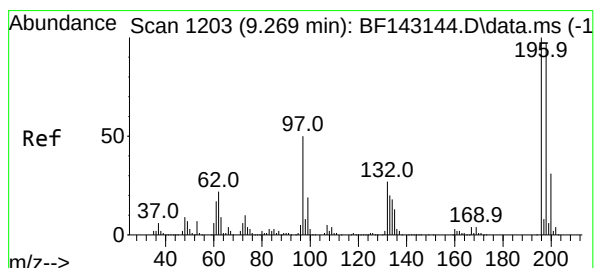
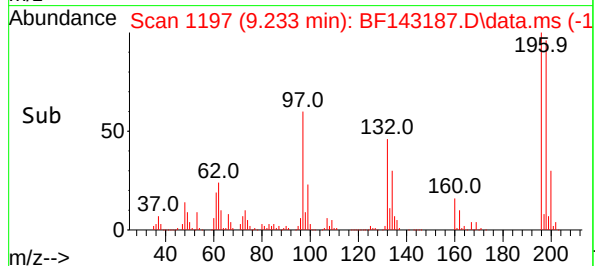
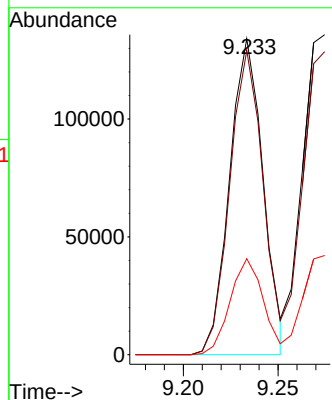
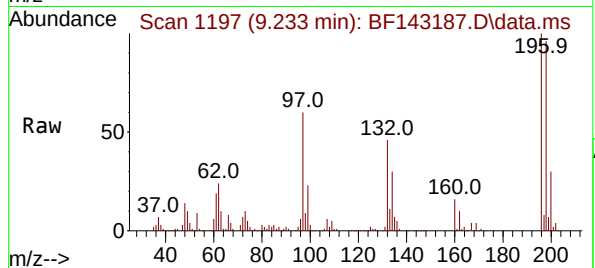
Tgt Ion:196 Resp: 164611

Ion Ratio Lower Upper

196 100

198 96.2 76.2 114.2

200 30.4 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 41.595 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Tgt Ion:196 Resp: 175359

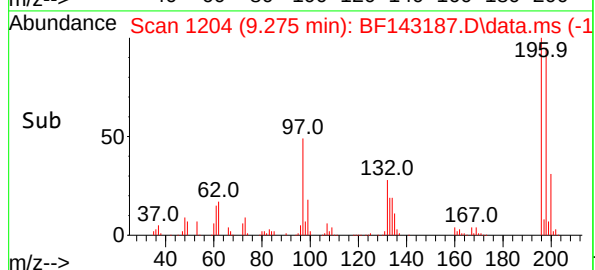
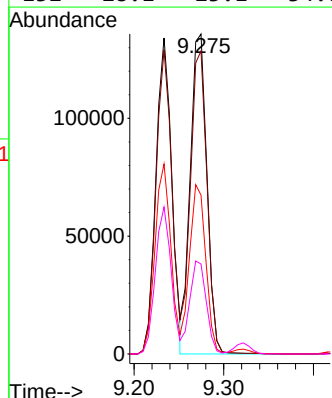
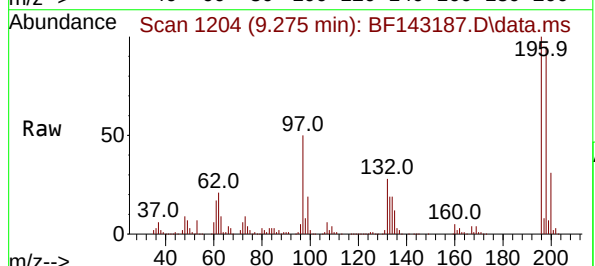
Ion Ratio Lower Upper

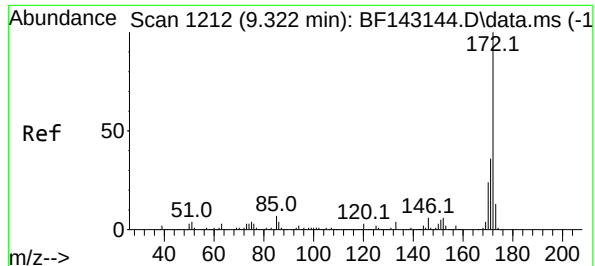
196 100

198 94.7 77.3 115.9

97 49.6 40.3 60.5

132 28.1 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 79.290 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

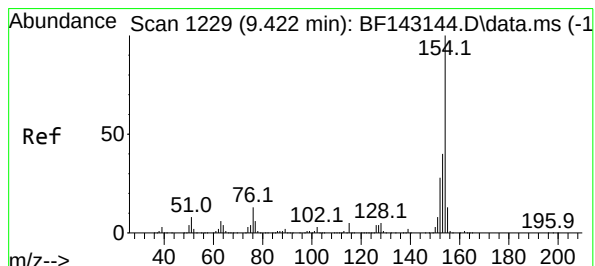
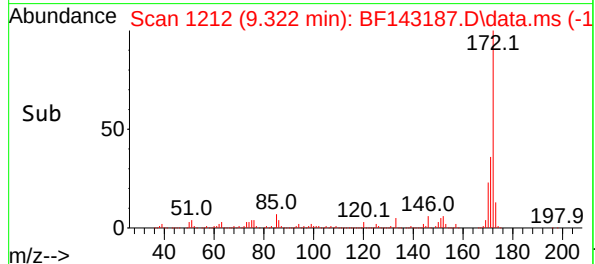
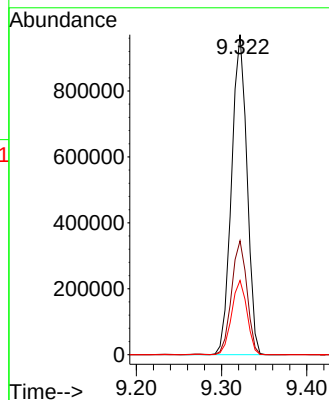
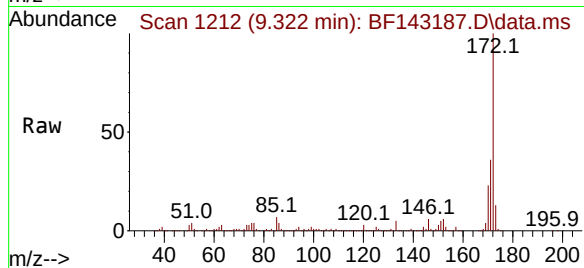
Tgt Ion:172 Resp: 1222876

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.2 18.8 28.2



#46

1,1'-Biphenyl

Concen: 39.935 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

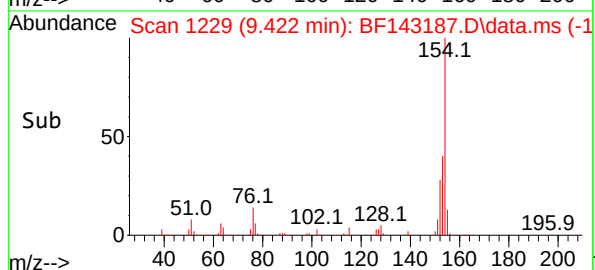
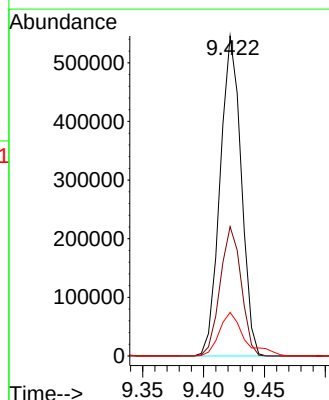
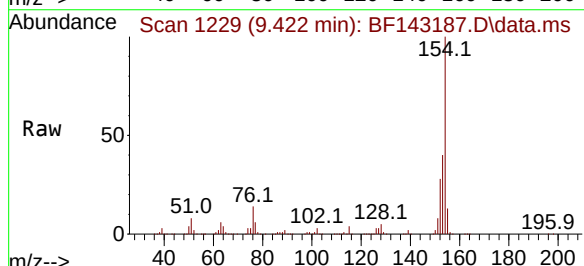
Tgt Ion:154 Resp: 657180

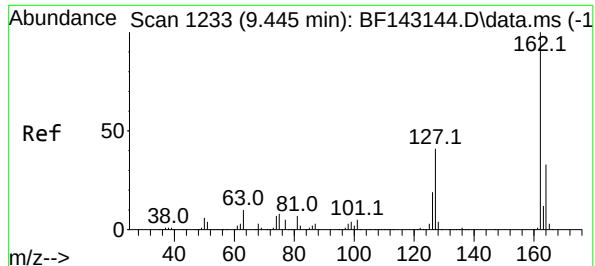
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 13.6 0.0 33.3





#47

2-Chloronaphthalene

Concen: 39.583 ng

RT: 9.451 min Scan# 1234

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

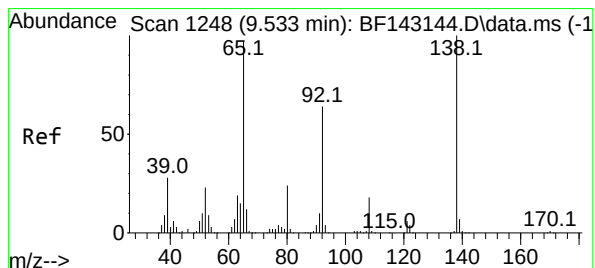
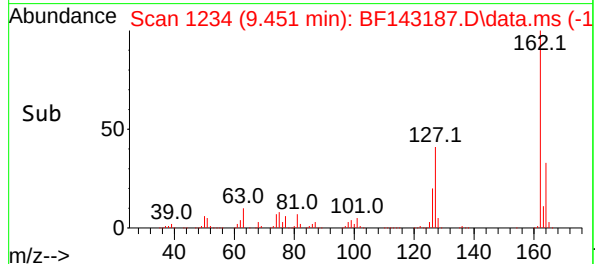
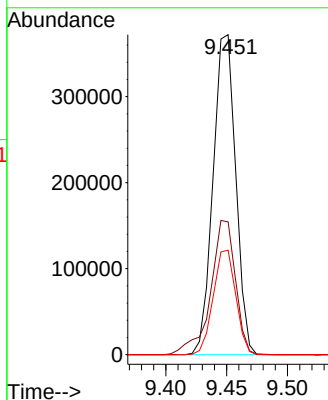
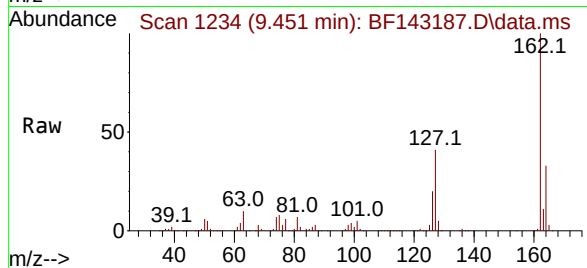
Tgt Ion:162 Resp: 481986

Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 42.683 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

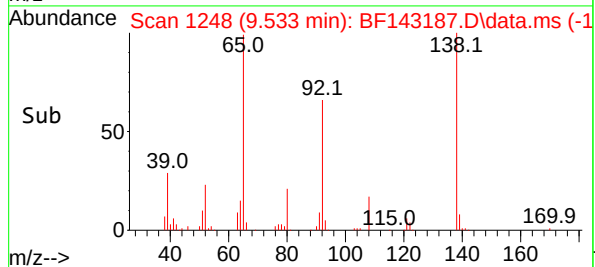
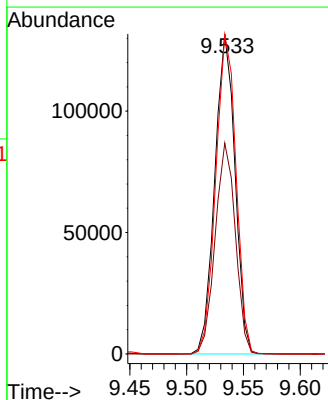
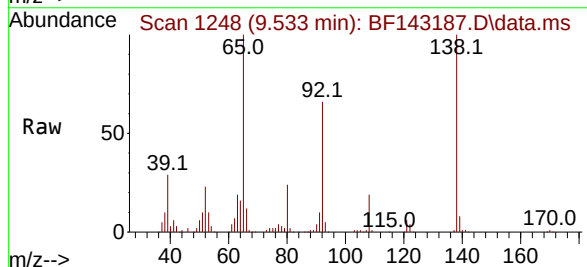
Tgt Ion: 65 Resp: 162985

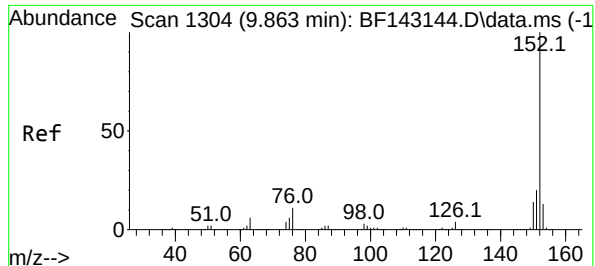
Ion Ratio Lower Upper

65 100

92 65.9 52.4 78.6

138 99.9 82.3 123.5





#49

Acenaphthylene

Concen: 39.572 ng

RT: 9.863 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

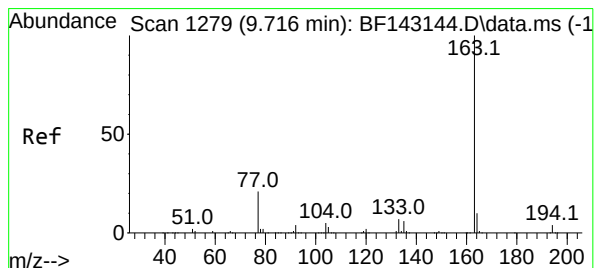
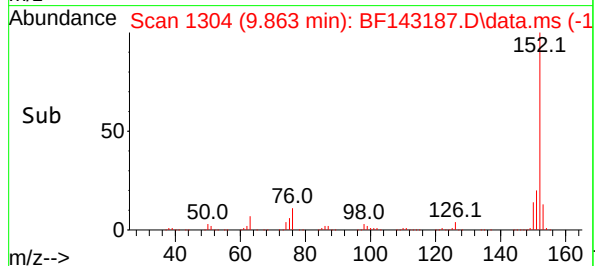
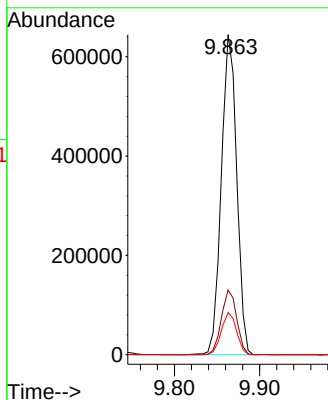
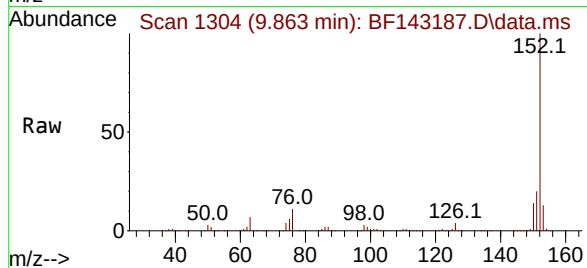
Tgt Ion:152 Resp: 807496

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.1 10.6 16.0



#50

Dimethylphthalate

Concen: 39.316 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

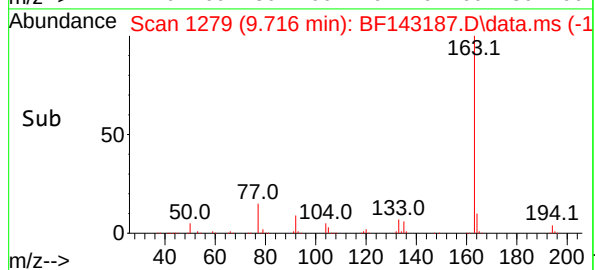
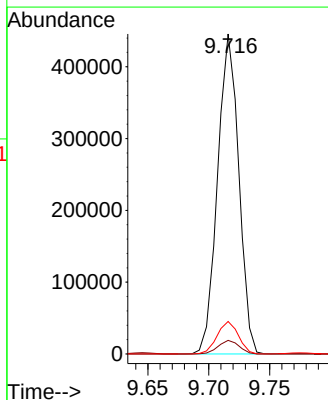
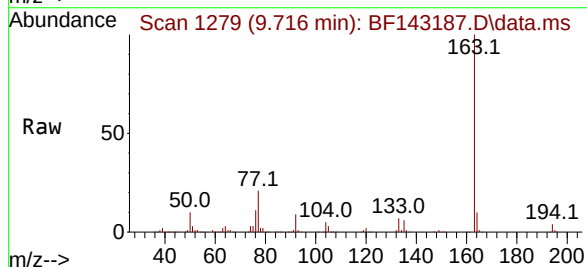
Tgt Ion:163 Resp: 540541

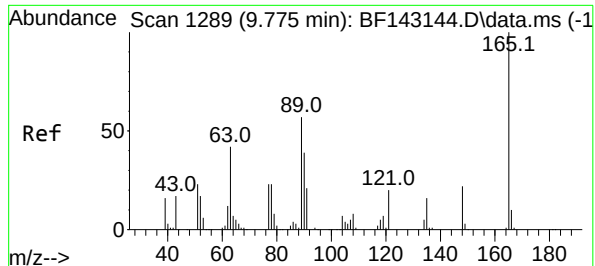
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

164 10.2 8.3 12.5

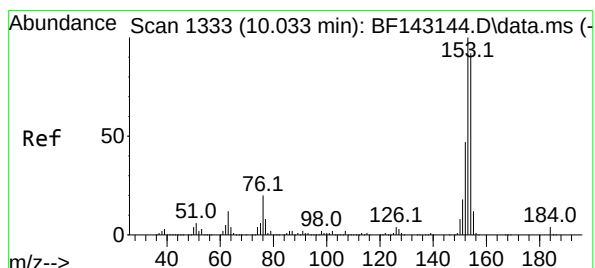
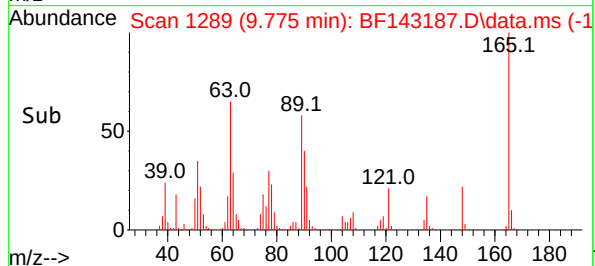
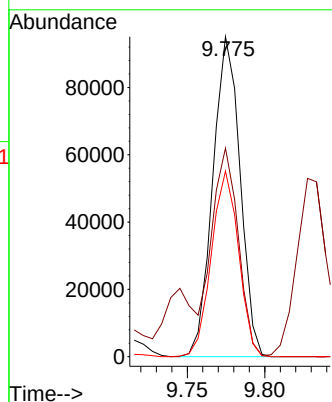
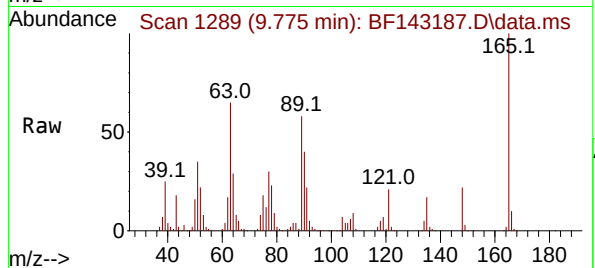




#51
2,6-Dinitrotoluene
Concen: 41.575 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

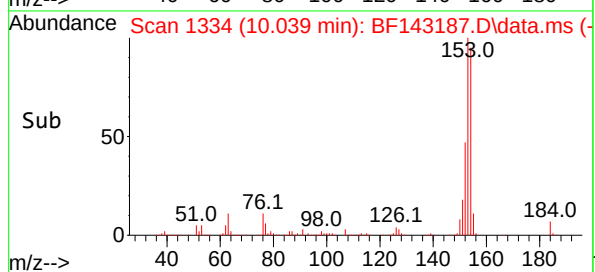
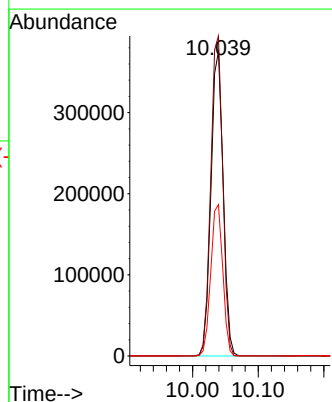
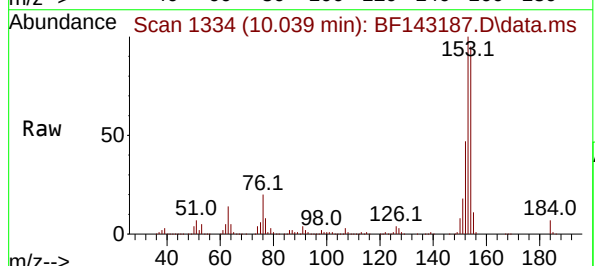
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

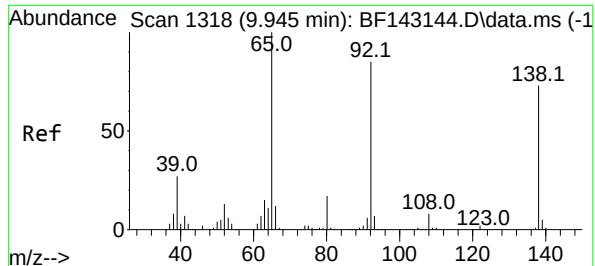
Tgt Ion:165 Resp: 116280
Ion Ratio Lower Upper
165 100
63 65.2 49.4 74.2
89 58.0 46.2 69.2



#52
Acenaphthene
Concen: 40.485 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:154 Resp: 488285
Ion Ratio Lower Upper
154 100
153 105.1 86.6 129.8
152 49.8 40.4 60.6





#53

3-Nitroaniline

Concen: 41.415 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

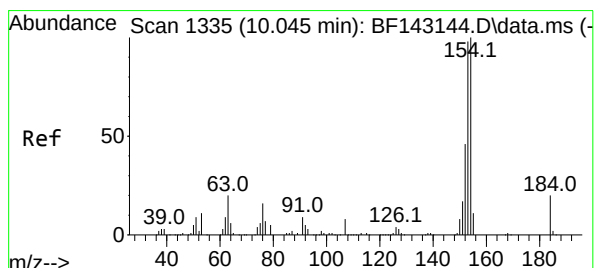
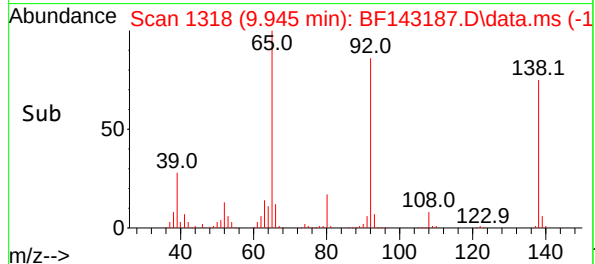
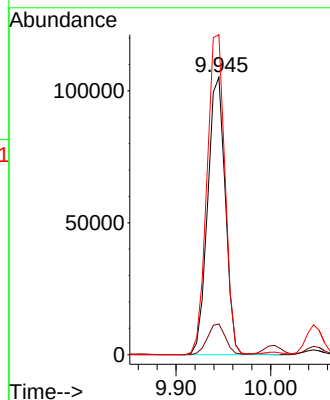
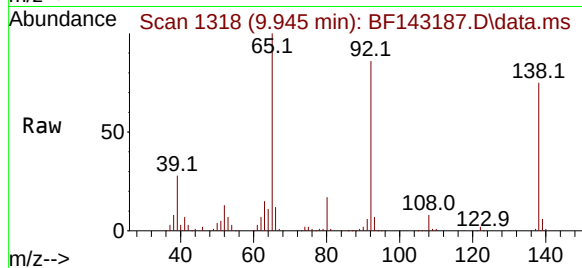
Tgt Ion:138 Resp: 135487

Ion Ratio Lower Upper

138 100

108 11.1 9.0 13.6

92 115.4 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 45.117 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

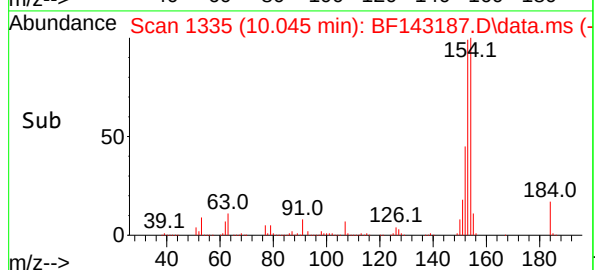
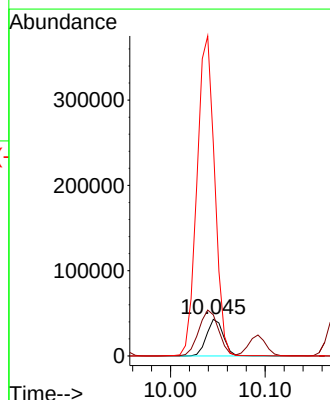
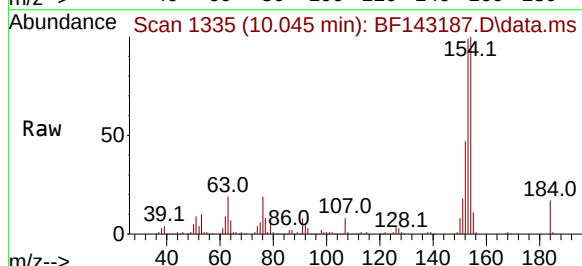
Tgt Ion:184 Resp: 53173

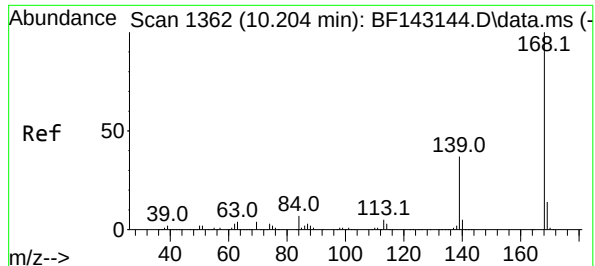
Ion Ratio Lower Upper

184 100

63 112.3 81.8 122.6

154 579.7 412.2 618.4





#55

Dibenzenofuran

Concen: 39.249 ng

RT: 10.210 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

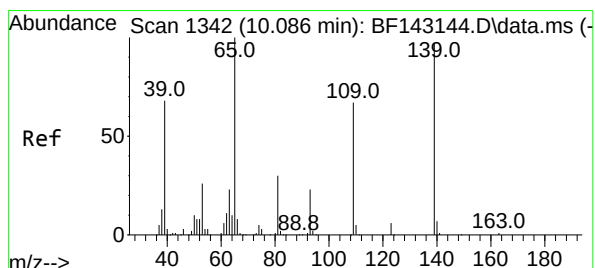
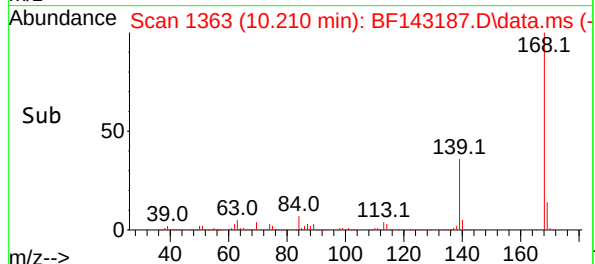
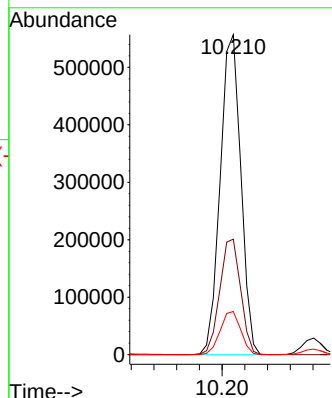
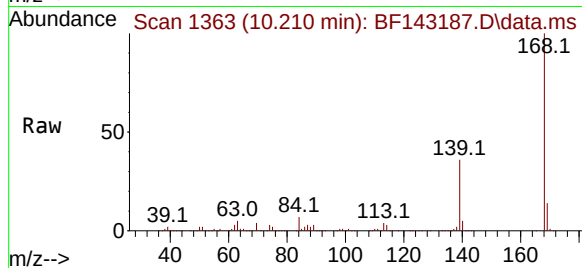
Tgt Ion:168 Resp: 702819

Ion Ratio Lower Upper

168 100

139 36.1 29.5 44.3

169 13.5 10.9 16.3



#56

4-Nitrophenol

Concen: 42.968 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

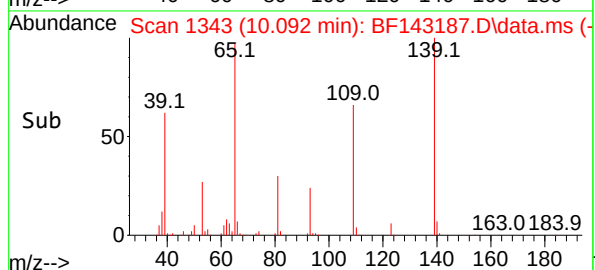
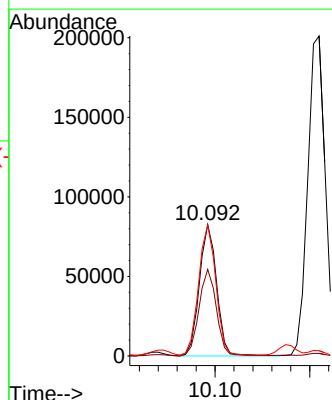
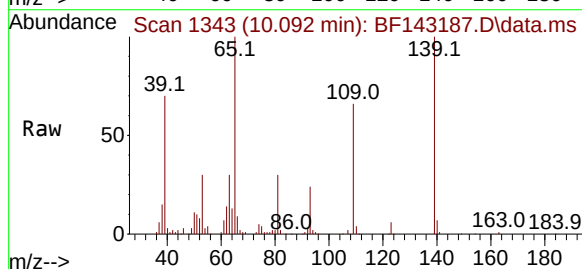
Tgt Ion:139 Resp: 104968

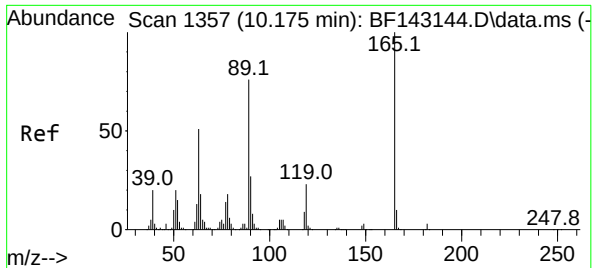
Ion Ratio Lower Upper

139 100

109 65.9 48.5 88.5

65 100.1 83.4 123.4

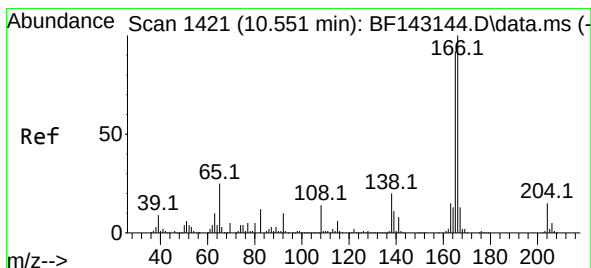
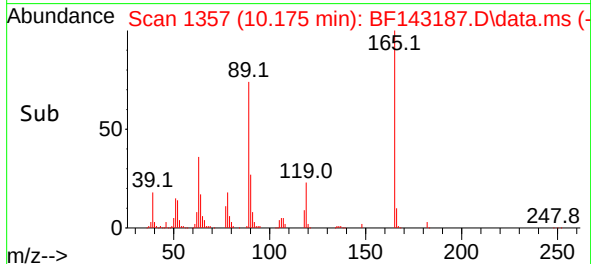
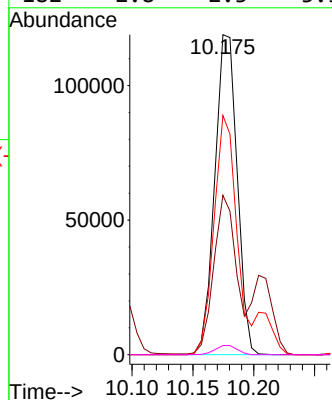
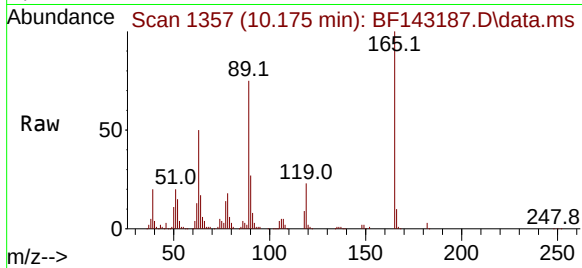




#57
2,4-Dinitrotoluene
Concen: 43.407 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

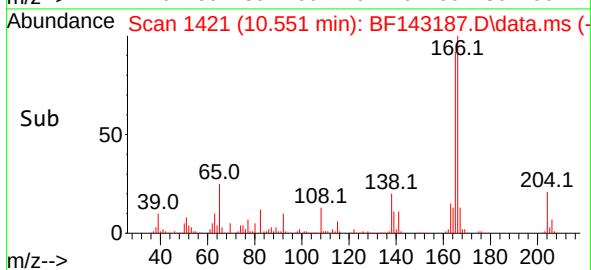
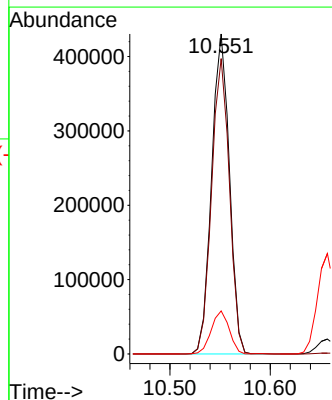
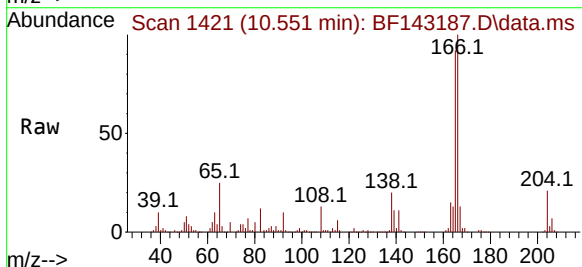
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

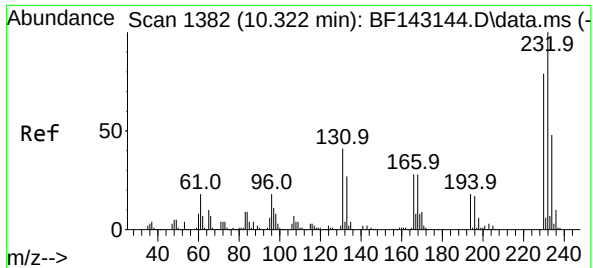
Tgt Ion:165 Resp: 152315
Ion Ratio Lower Upper
165 100
63 49.8 41.0 61.4
89 74.7 61.1 91.7
182 2.8 2.3 3.5



#58
Fluorene
Concen: 39.388 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:166 Resp: 529342
Ion Ratio Lower Upper
166 100
165 92.3 73.7 110.5
167 13.4 10.6 16.0

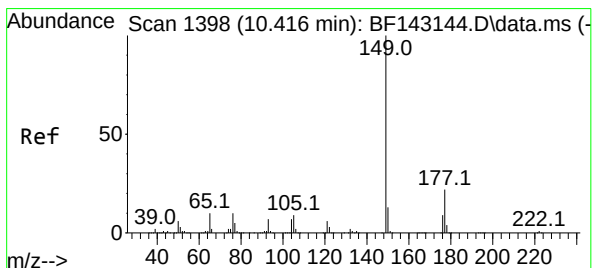
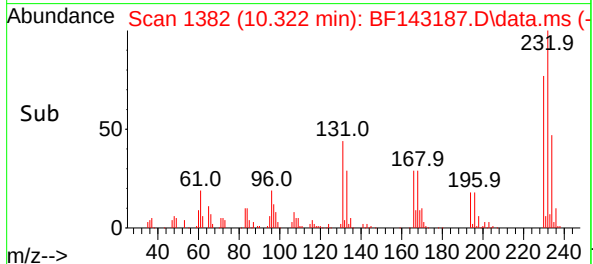
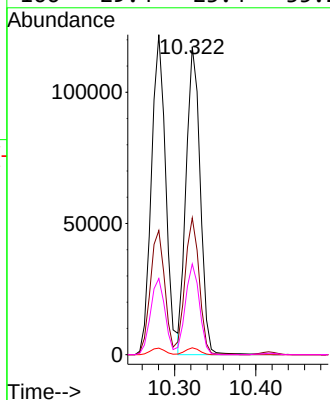
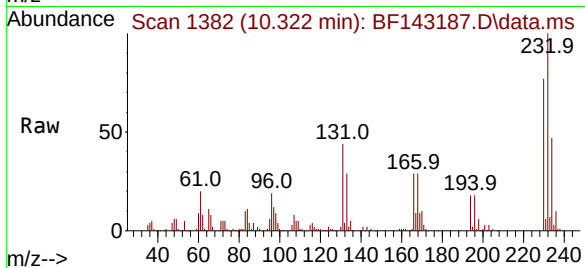




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.644 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

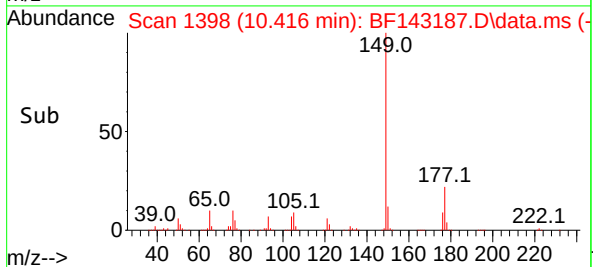
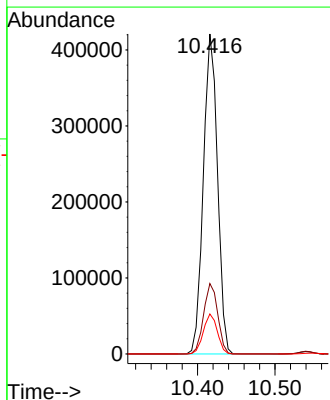
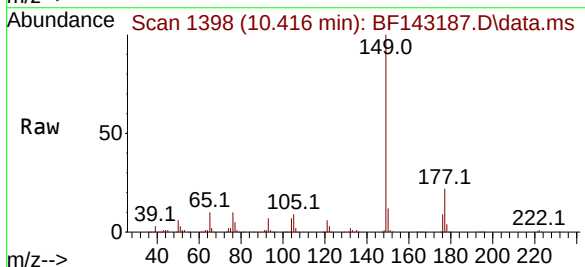
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

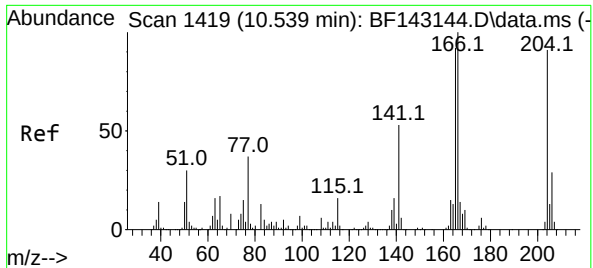
Tgt Ion:232 Resp: 141939
Ion Ratio Lower Upper
232 100
131 44.9 35.3 52.9
130 2.3 1.7 2.5
166 29.4 23.4 35.2



#60
Diethylphthalate
Concen: 39.184 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:149 Resp: 532483
Ion Ratio Lower Upper
149 100
177 22.0 17.5 26.3
150 12.5 10.2 15.2

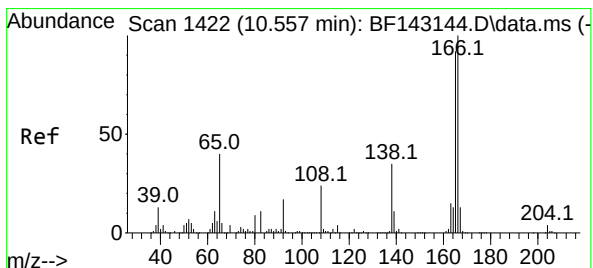
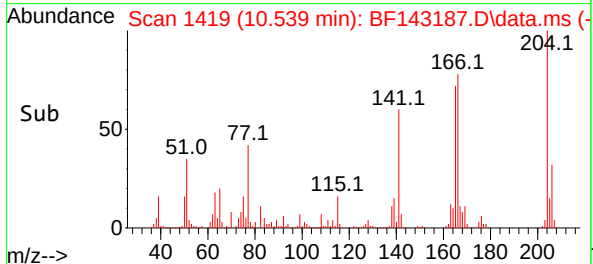
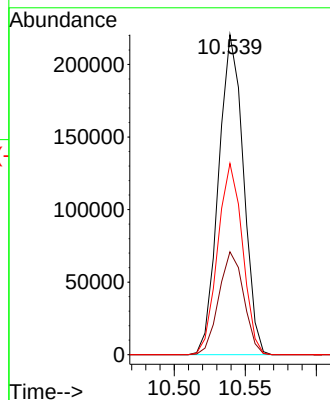
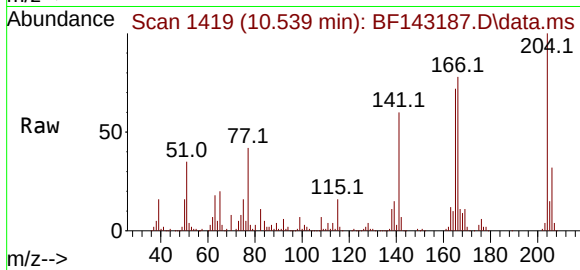




#61
4-Chlorophenyl-phenylether
Concen: 40.079 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

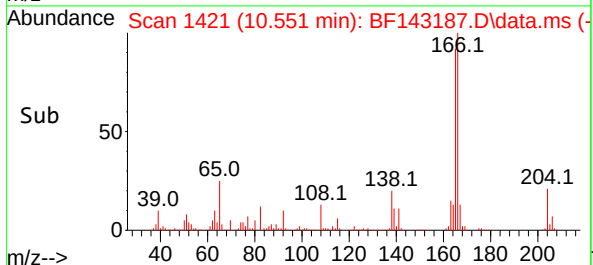
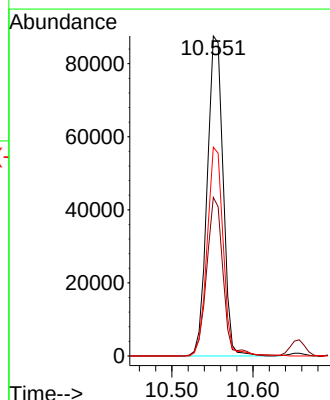
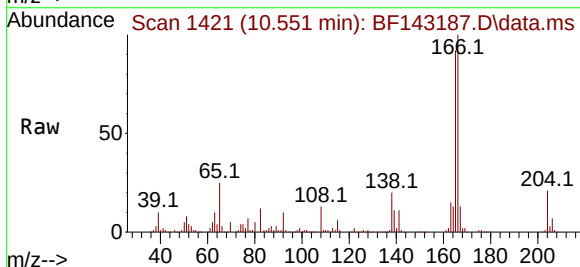
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

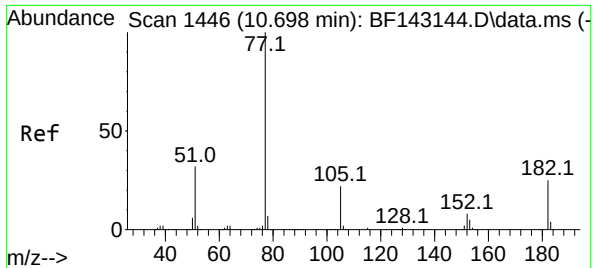
Tgt Ion:204 Resp: 268207
Ion Ratio Lower Upper
204 100
206 32.1 25.8 38.8
141 59.8 47.0 70.4



#62
4-Nitroaniline
Concen: 42.379 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:138 Resp: 118821
Ion Ratio Lower Upper
138 100
92 49.5 29.3 69.3
108 65.2 48.3 88.3

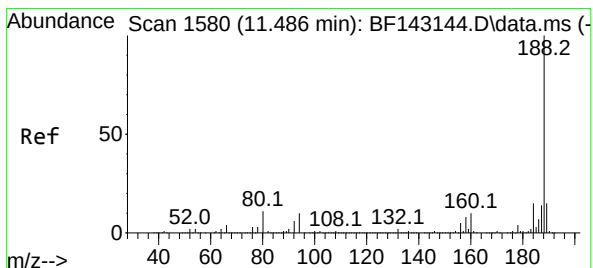
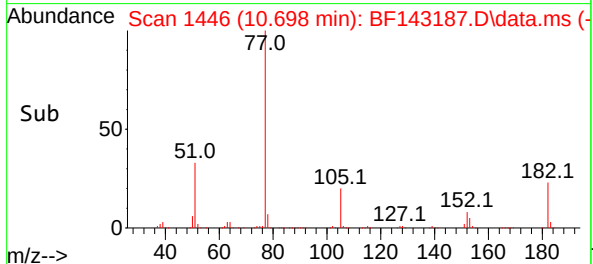
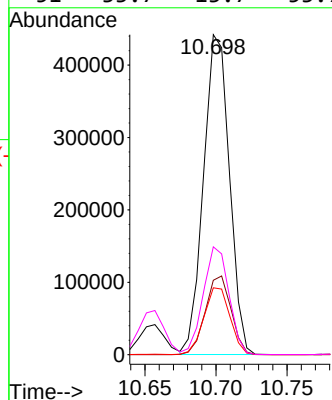
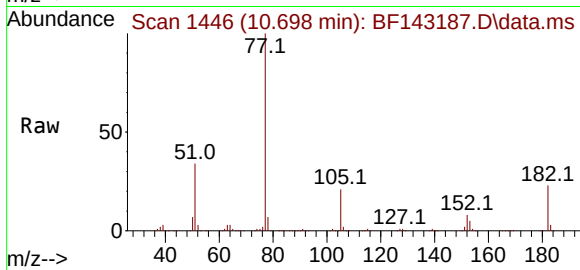




#63
Azobenzene
Concen: 39.680 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

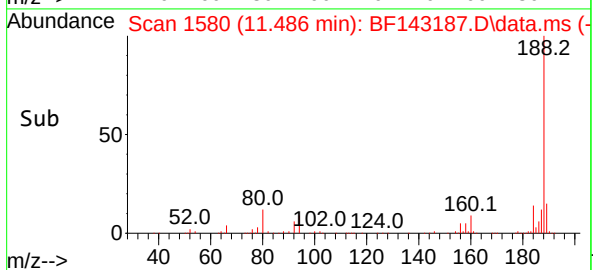
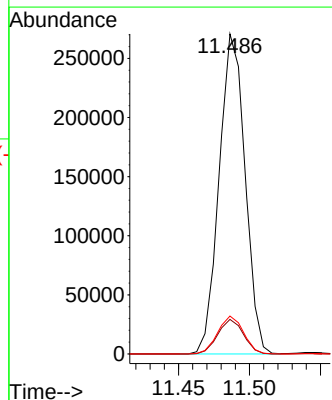
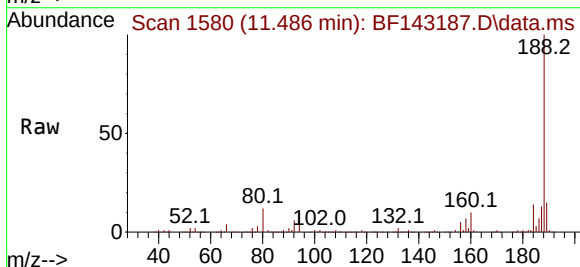
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

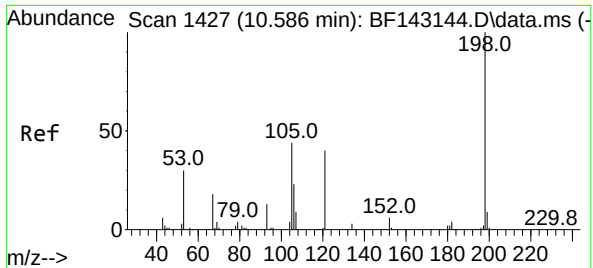
Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.2	4.6	44.6
105	20.9	1.4	41.4
51	33.7	13.7	53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.3	12.5
80	11.8	9.0	13.6

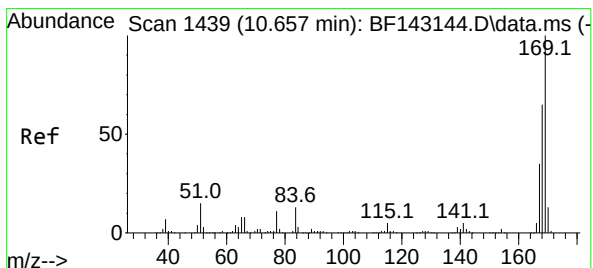
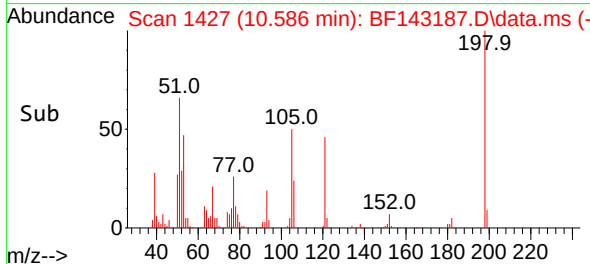
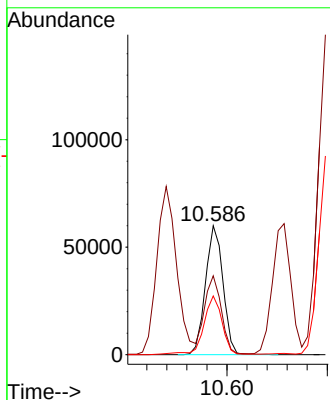
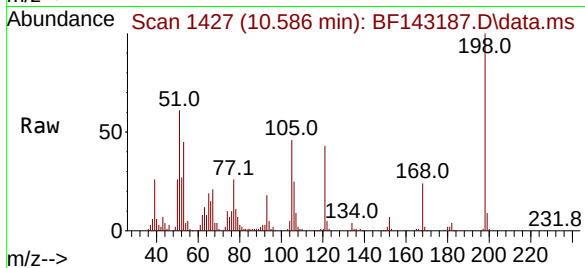




#65
4,6-Dinitro-2-methylphenol
Concen: 41.312 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

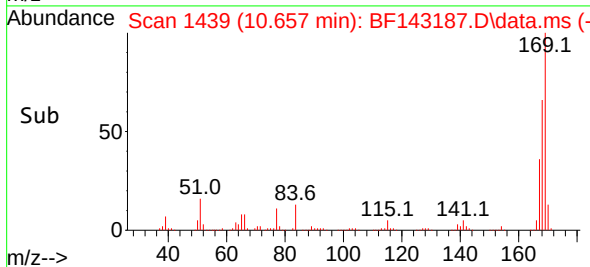
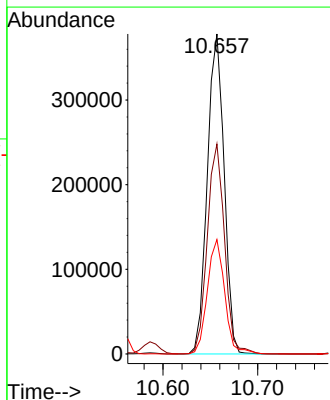
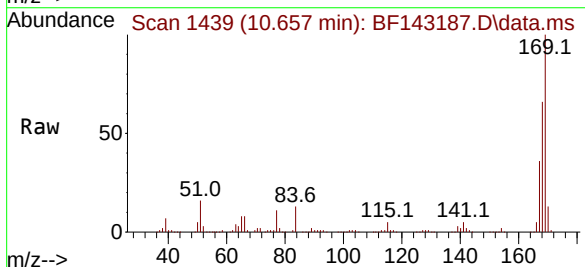
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

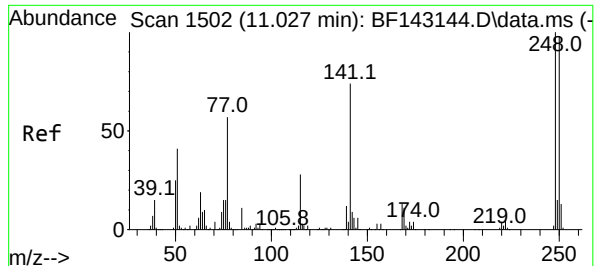
Tgt Ion:198 Resp: 72865
Ion Ratio Lower Upper
198 100
51 61.1 37.2 77.2
105 45.6 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 38.553 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:169 Resp: 466349
Ion Ratio Lower Upper
169 100
168 65.6 52.1 78.1
167 35.7 28.2 42.2

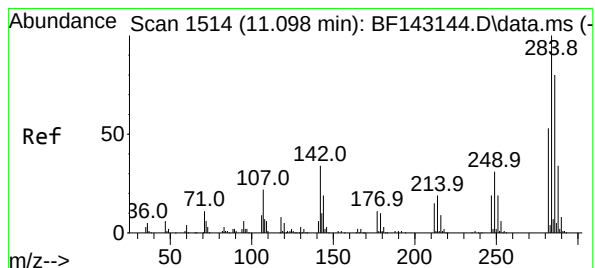
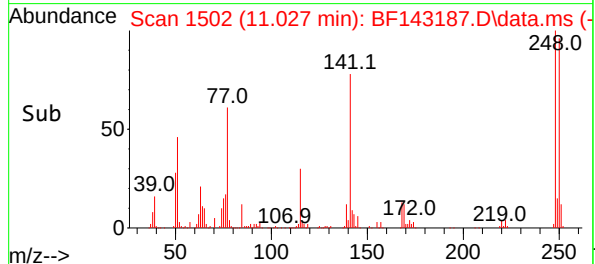
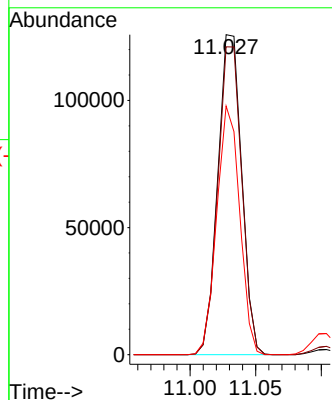
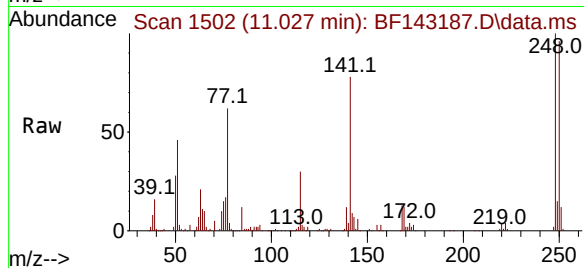




#67
4-Bromophenyl-phenylether
Concen: 39.049 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

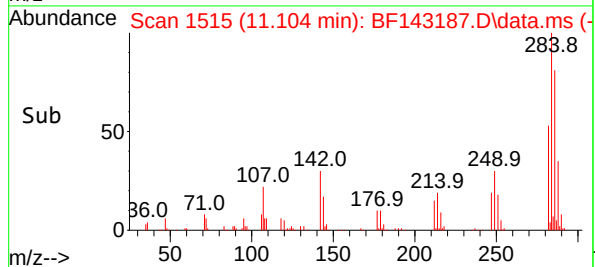
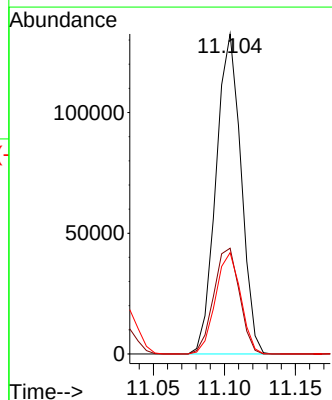
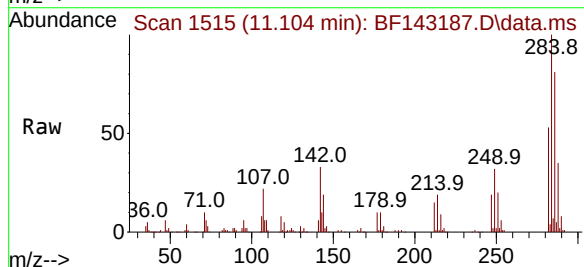
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

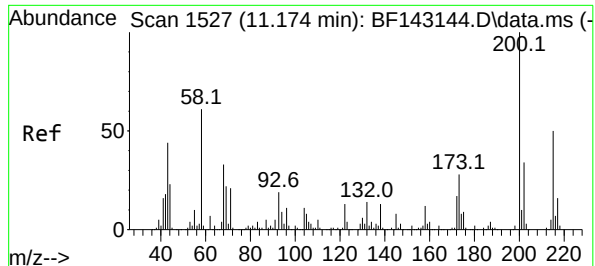
Tgt Ion:248 Resp: 159858
Ion Ratio Lower Upper
248 100
250 96.2 78.3 117.5
141 77.7 59.2 88.8



#68
Hexachlorobenzene
Concen: 37.891 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:284 Resp: 162131
Ion Ratio Lower Upper
284 100
142 33.0 27.0 40.6
249 31.7 25.0 37.6





#69

Atrazine

Concen: 41.112 ng

RT: 11.180 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

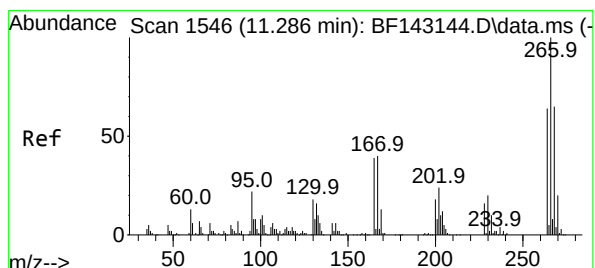
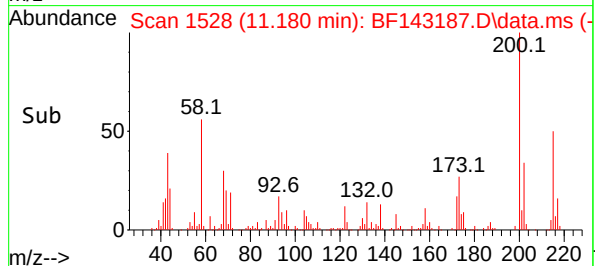
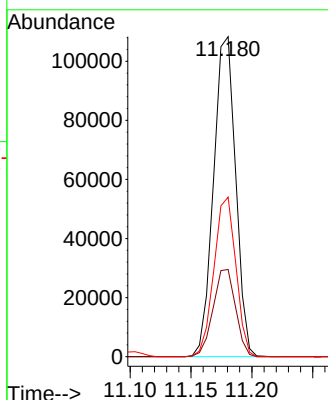
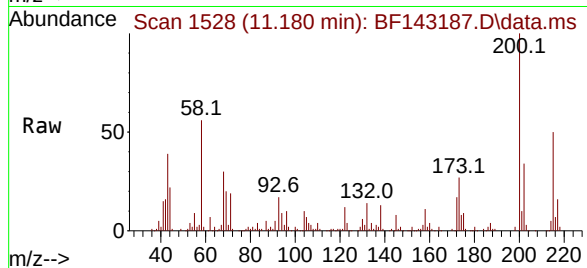
Tgt Ion:200 Resp: 137101

Ion Ratio Lower Upper

200 100

173 27.3 7.9 47.9

215 49.8 30.1 70.1



#70

Pentachlorophenol

Concen: 42.253 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

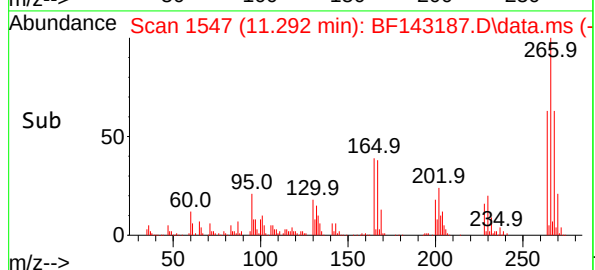
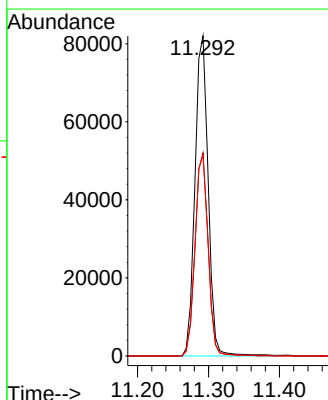
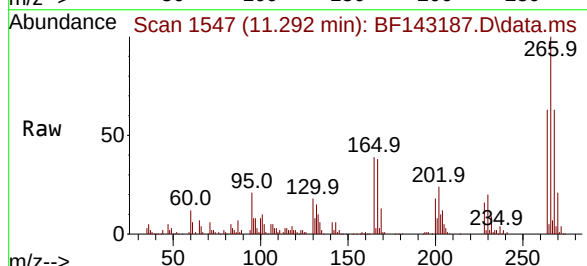
Tgt Ion:266 Resp: 106322

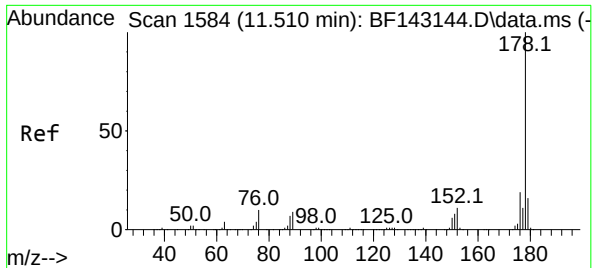
Ion Ratio Lower Upper

266 100

268 63.5 51.9 77.9

264 62.9 51.0 76.6





#71

Phenanthrene

Concen: 39.552 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

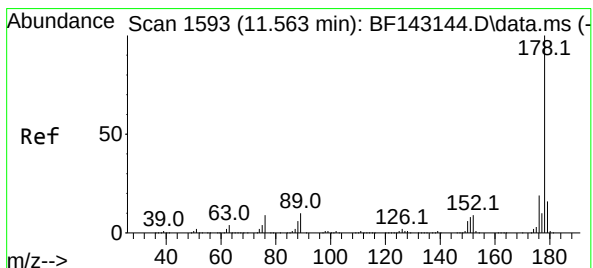
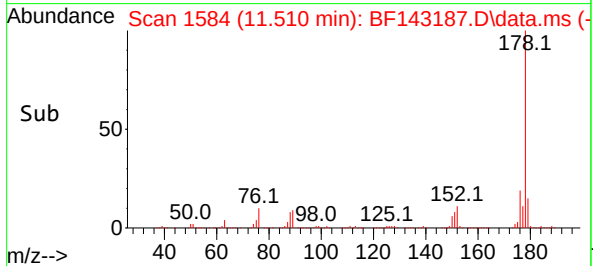
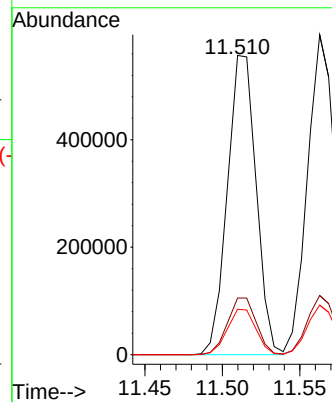
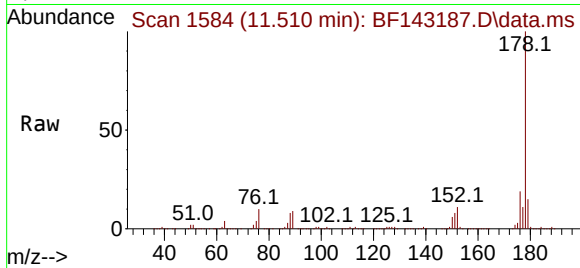
Tgt Ion:178 Resp: 721419

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.2 12.5 18.7



#72

Anthracene

Concen: 39.733 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

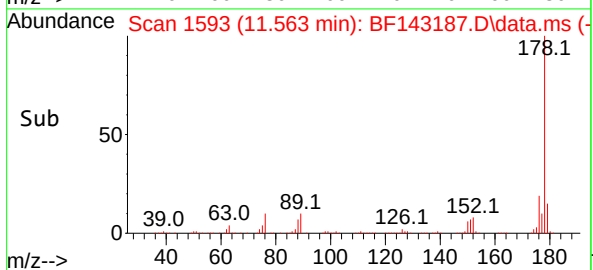
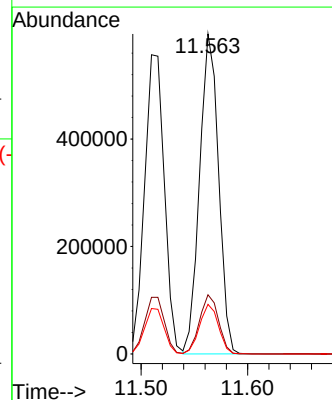
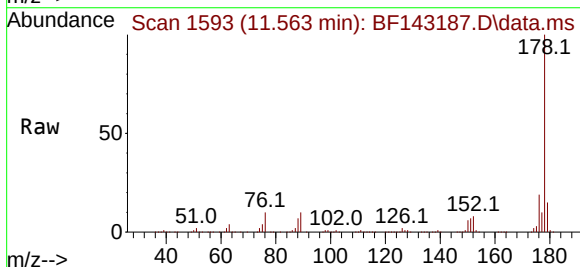
Tgt Ion:178 Resp: 739139

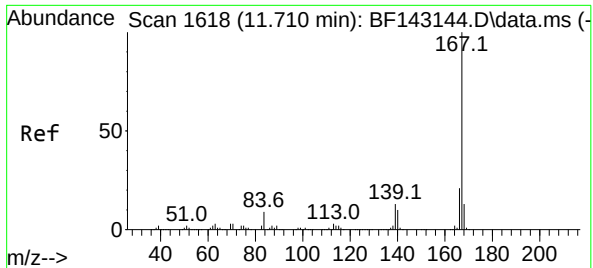
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.5 12.5 18.7

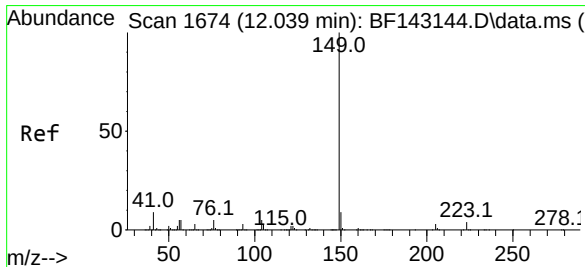
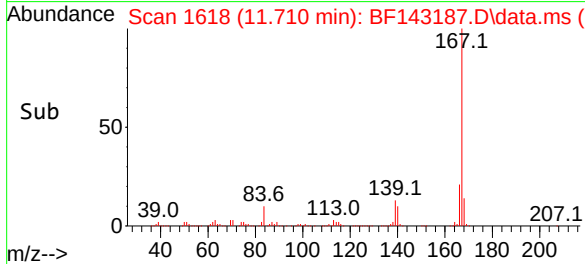
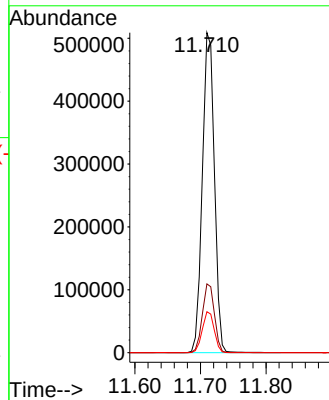
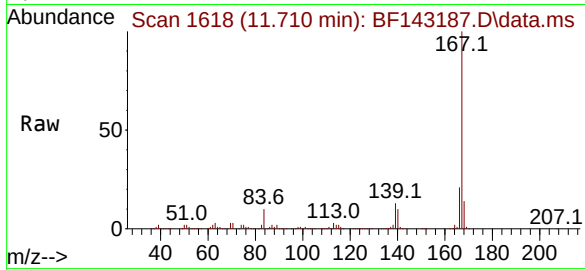




#73
Carbazole
Concen: 40.280 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

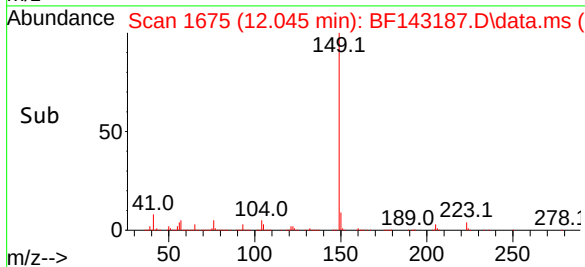
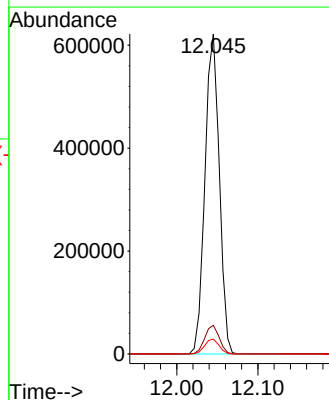
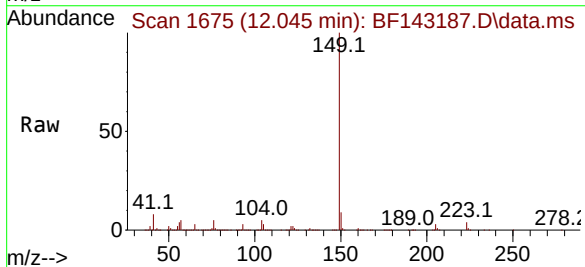
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

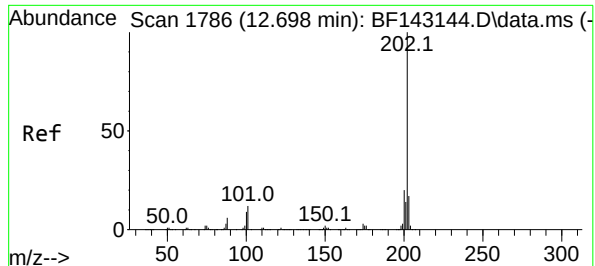
Tgt Ion:167 Resp: 654287
Ion Ratio Lower Upper
167 100
166 21.5 17.0 25.6
139 12.8 10.0 15.0



#74
Di-n-butylphthalate
Concen: 41.427 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:149 Resp: 761405
Ion Ratio Lower Upper
149 100
150 8.9 7.4 11.2
104 4.7 3.8 5.8





#75

Fluoranthene

Concen: 41.844 ng

RT: 12.698 min Scan# 1786

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

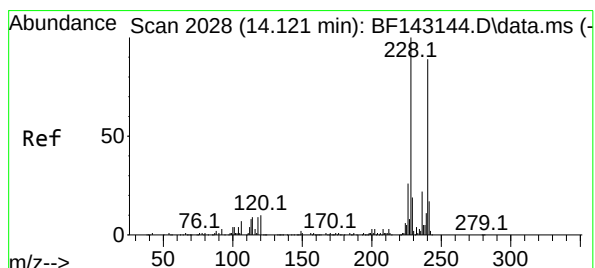
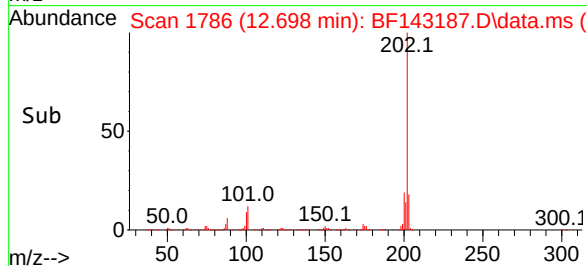
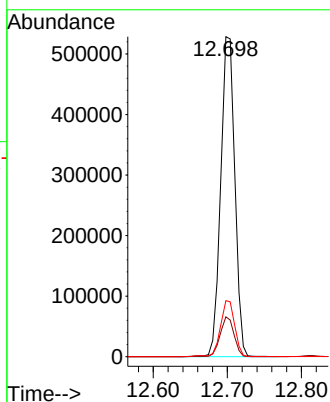
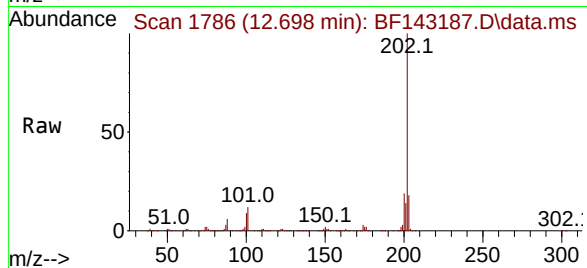
Tgt Ion:202 Resp: 700542

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.7

203 17.5 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

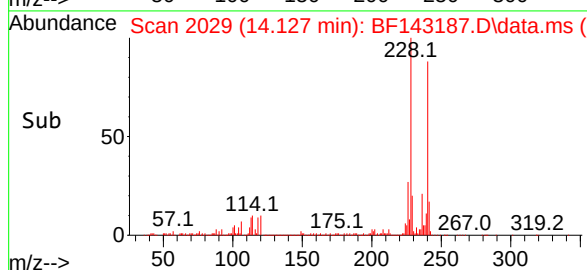
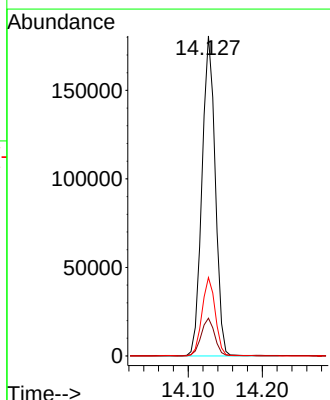
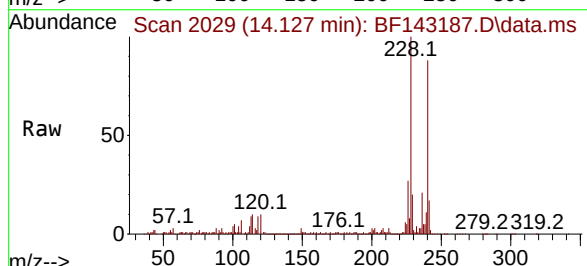
Tgt Ion:240 Resp: 225021

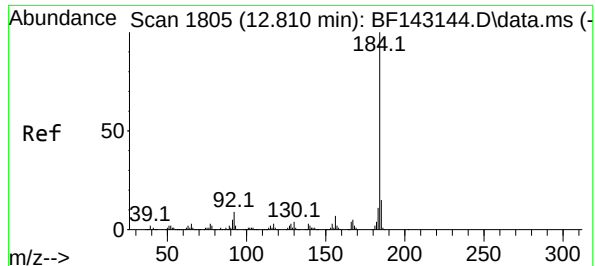
Ion Ratio Lower Upper

240 100

120 11.8 9.4 14.2

236 24.5 20.2 30.4





#77

Benzidine

Concen: 39.813 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

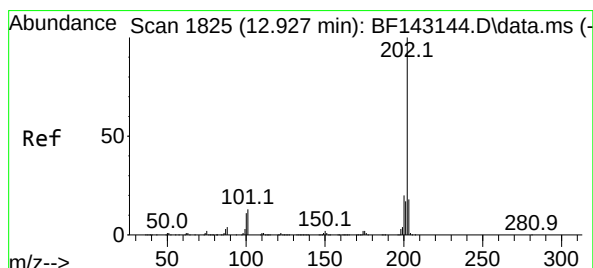
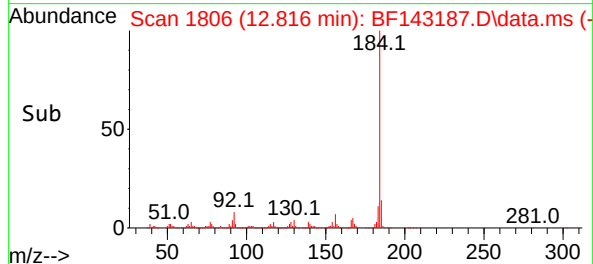
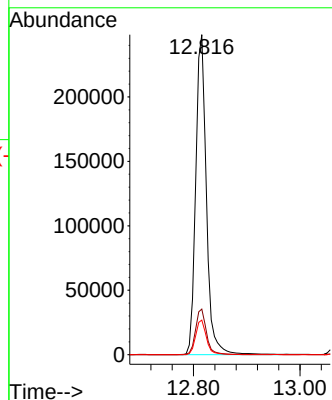
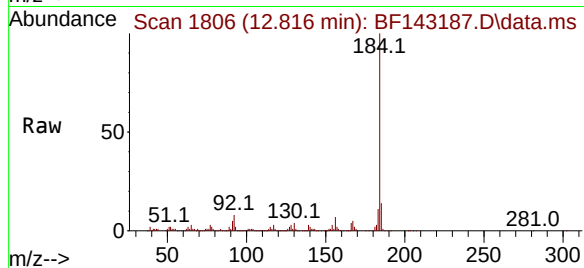
Tgt Ion:184 Resp: 345158

Ion Ratio Lower Upper

184 100

185 14.3 12.2 18.4

183 10.8 9.0 13.4



#78

Pyrene

Concen: 36.176 ng

RT: 12.927 min Scan# 1825

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

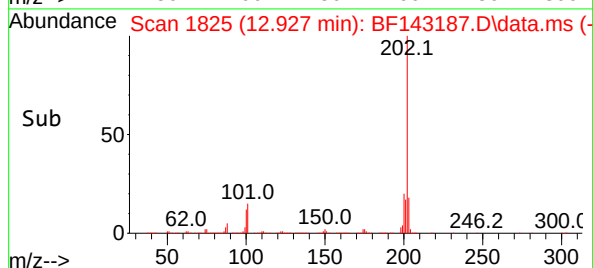
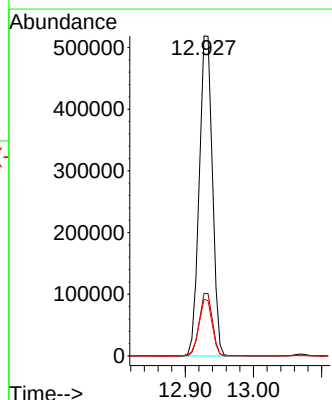
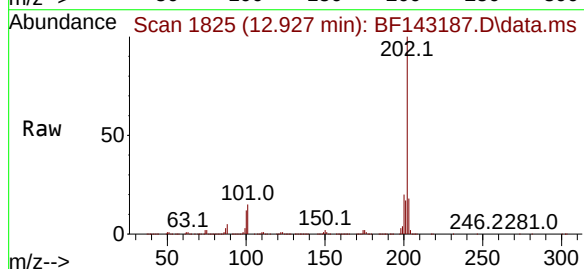
Tgt Ion:202 Resp: 694738

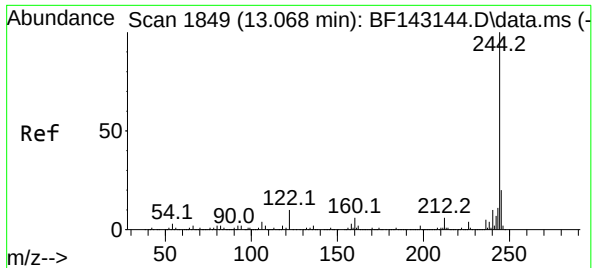
Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 70.493 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

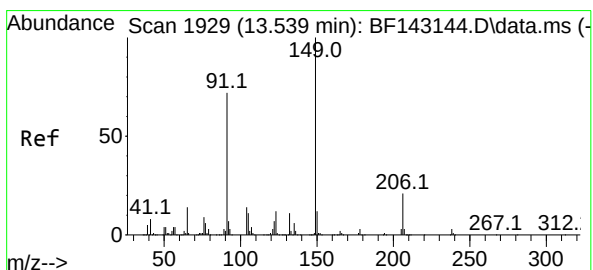
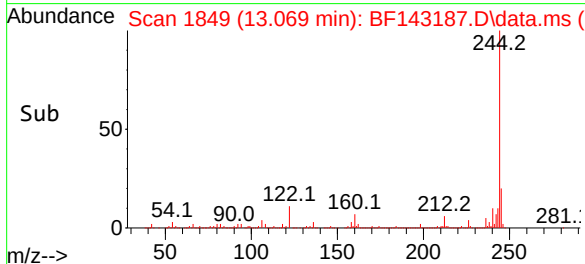
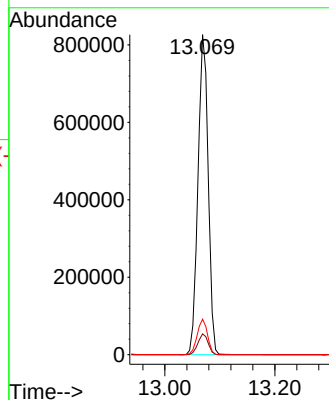
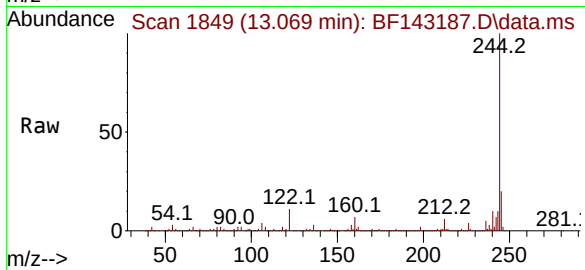
Tgt Ion:244 Resp: 1065941

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.1 8.2 12.2



#80

Butylbenzylphthalate

Concen: 46.491 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

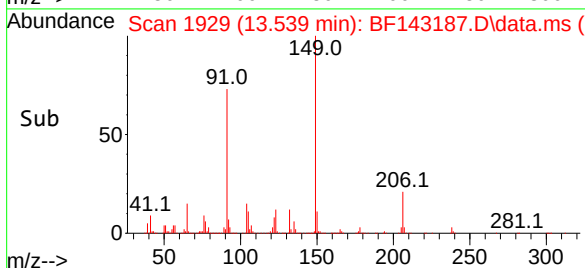
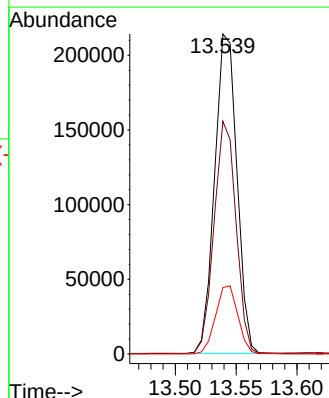
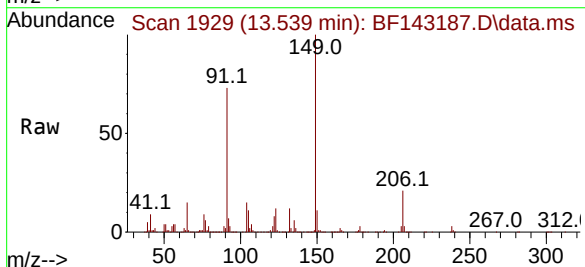
Tgt Ion:149 Resp: 273396

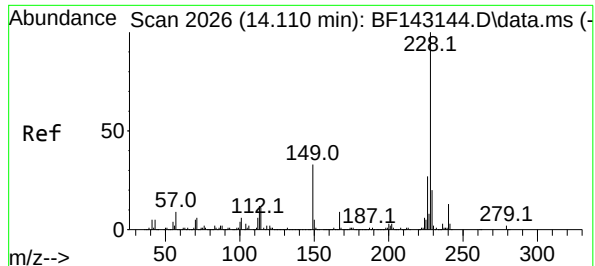
Ion Ratio Lower Upper

149 100

91 72.7 57.9 86.9

206 20.8 17.0 25.4





#81

Benzo(a)anthracene

Concen: 38.346 ng

RT: 14.116 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

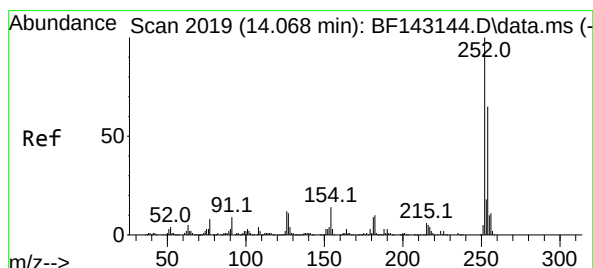
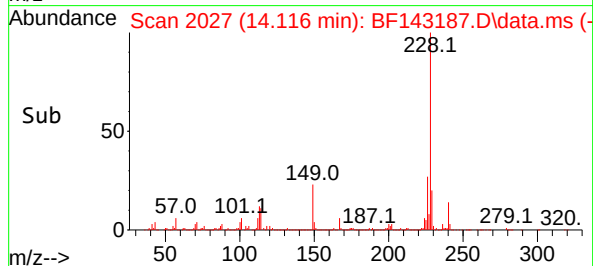
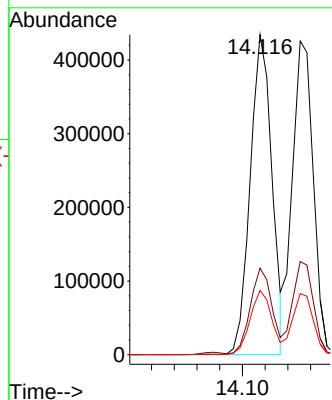
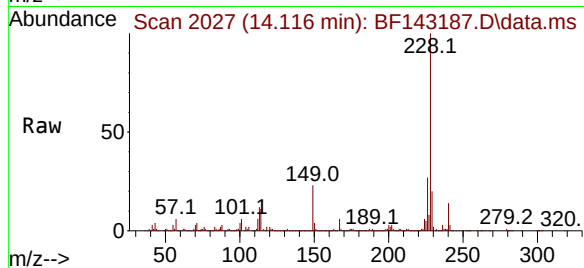
Tgt Ion:228 Resp: 577684

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

229 20.0 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 42.575 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

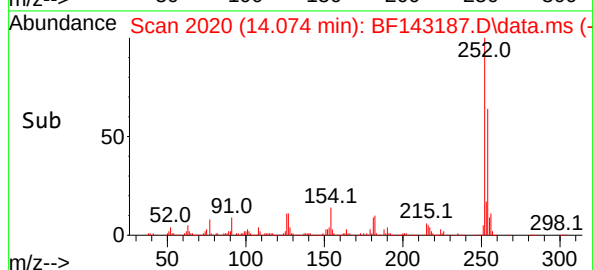
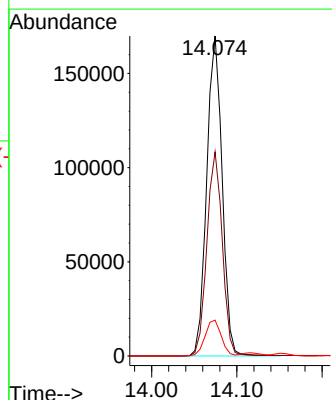
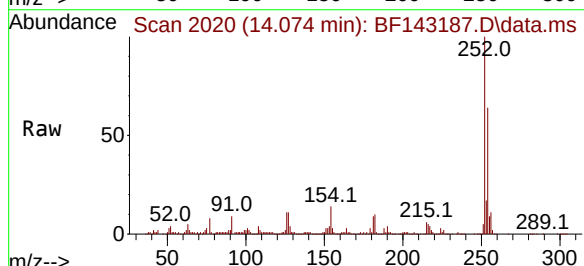
Tgt Ion:252 Resp: 213772

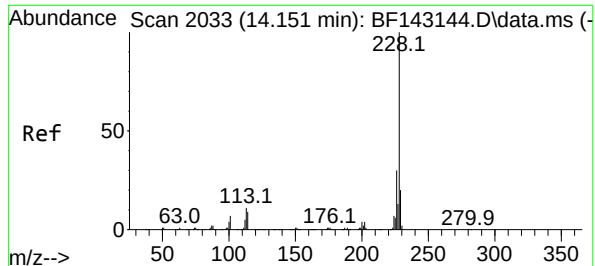
Ion Ratio Lower Upper

252 100

254 63.8 51.7 77.5

126 11.2 9.4 14.0





#83

Chrysene

Concen: 40.193 ng

RT: 14.151 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

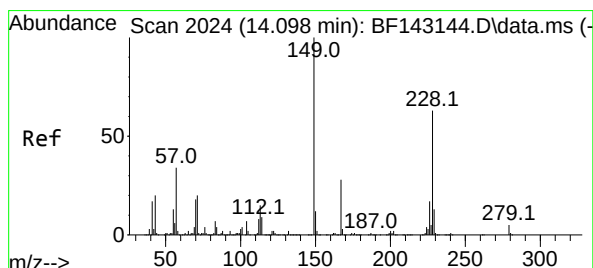
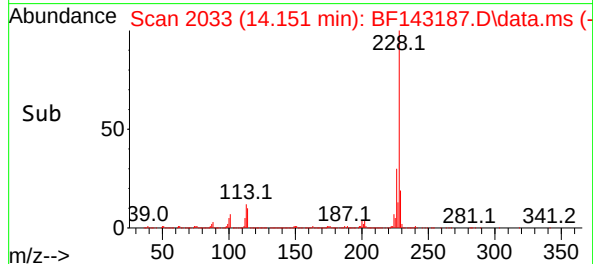
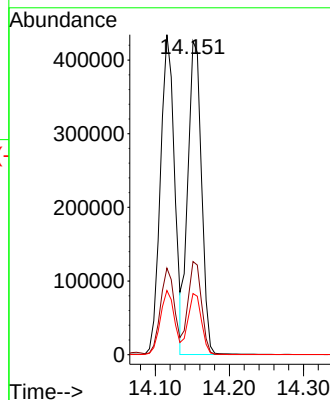
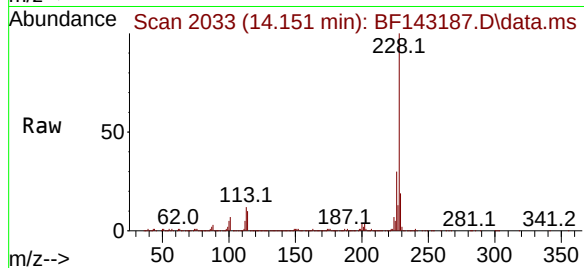
Tgt Ion:228 Resp: 544414

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.258 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

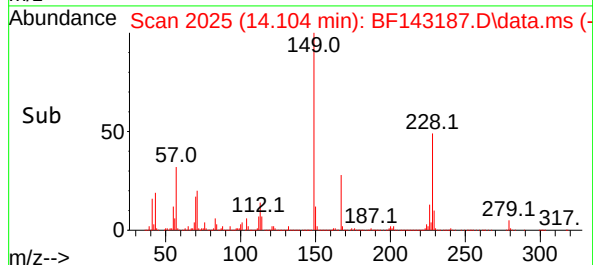
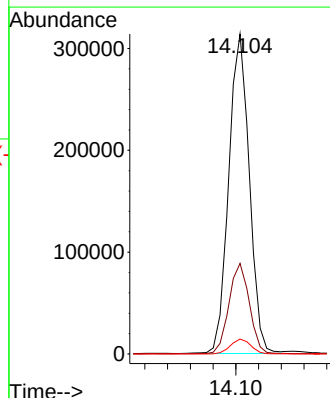
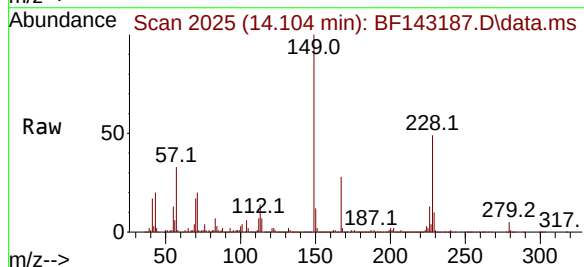
Tgt Ion:149 Resp: 393938

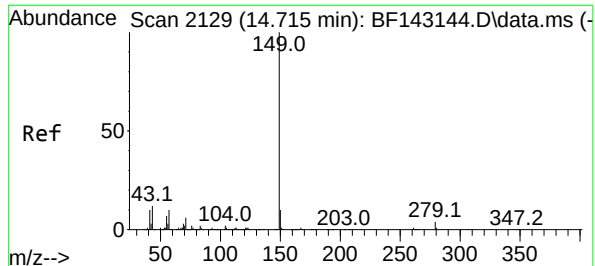
Ion Ratio Lower Upper

149 100

167 28.3 22.3 33.5

279 4.7 3.6 5.4

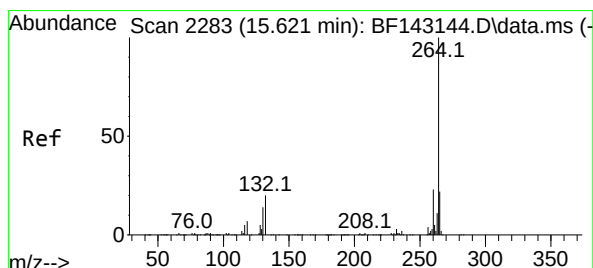
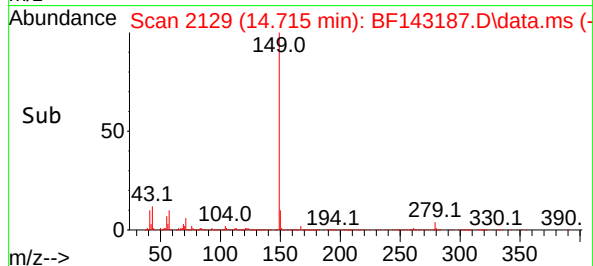
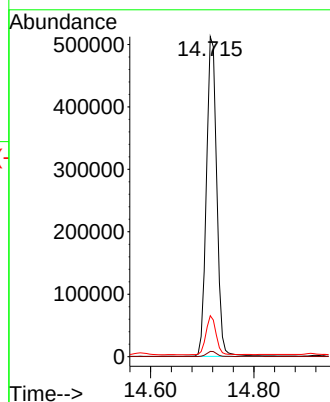
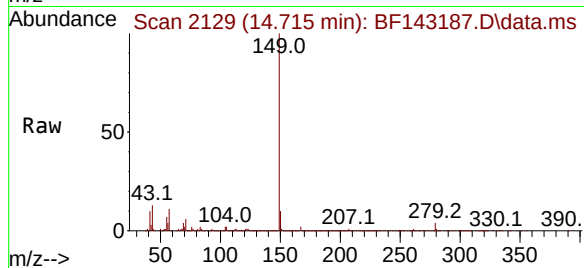




#85
Di-n-octyl phthalate
Concen: 43.945 ng
RT: 14.715 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

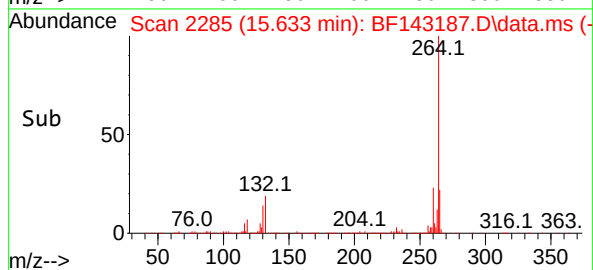
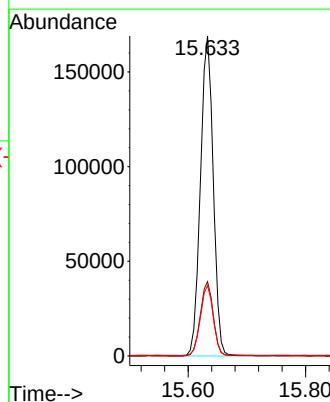
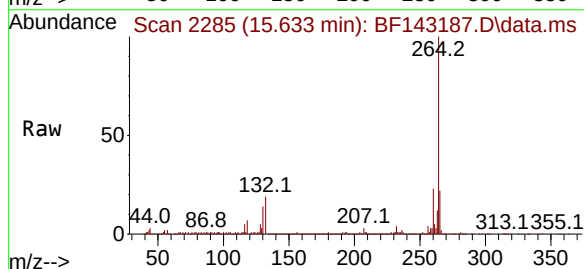
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

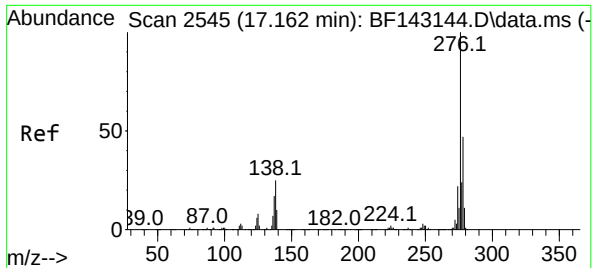
Tgt Ion:149 Resp: 709014
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.9 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:264 Resp: 256485
Ion Ratio Lower Upper
264 100
260 23.3 18.5 27.7
265 22.0 17.4 26.2

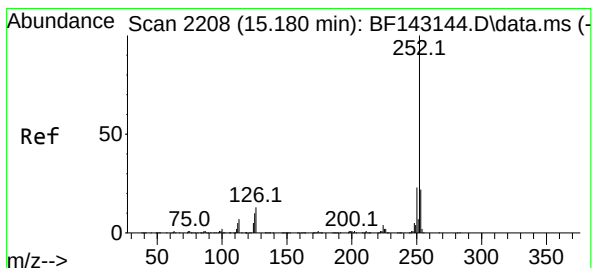
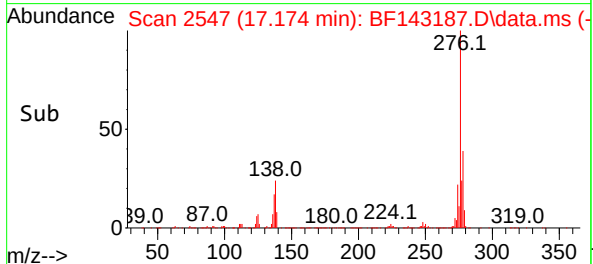
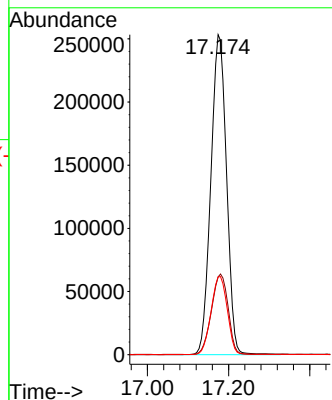
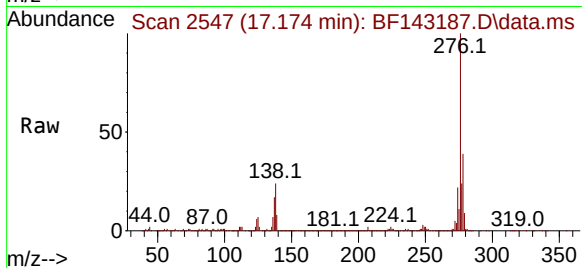




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 37.481 ng
 RT: 17.174 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF143187.D
 Acq: 22 Jul 2025 13:55

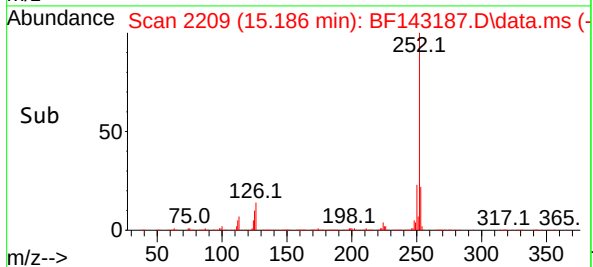
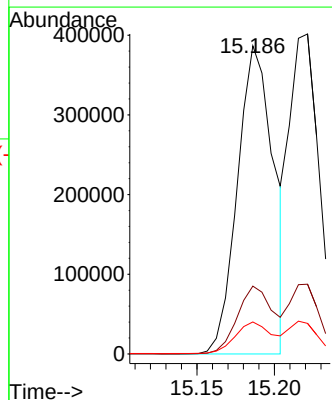
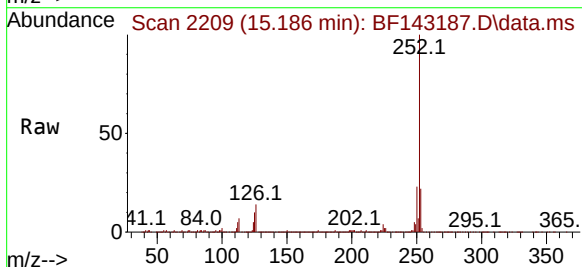
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

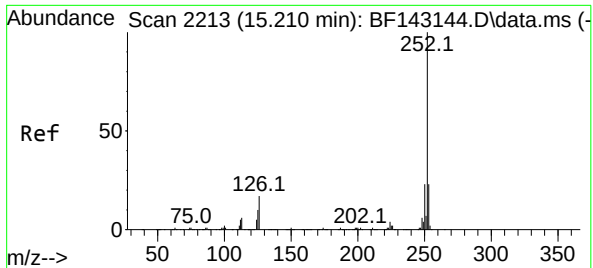
Tgt Ion:276 Resp: 677875
 Ion Ratio Lower Upper
 276 100
 138 26.6 21.8 32.6
 277 25.1 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 39.973 ng
 RT: 15.186 min Scan# 2209
 Delta R.T. 0.006 min
 Lab File: BF143187.D
 Acq: 22 Jul 2025 13:55

Tgt Ion:252 Resp: 626330
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 38.503 ng

RT: 15.221 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

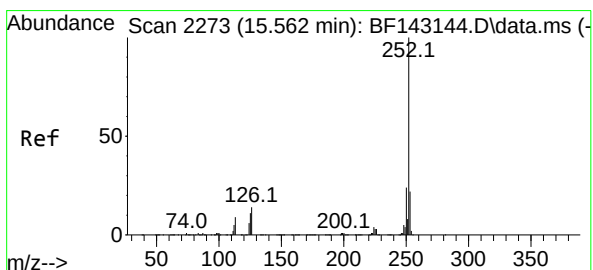
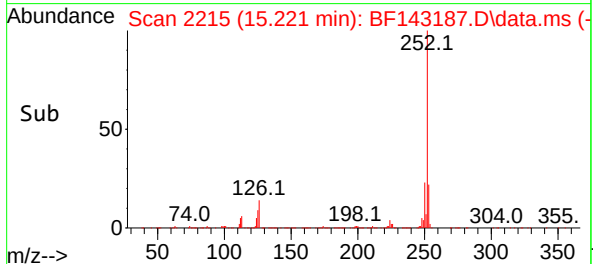
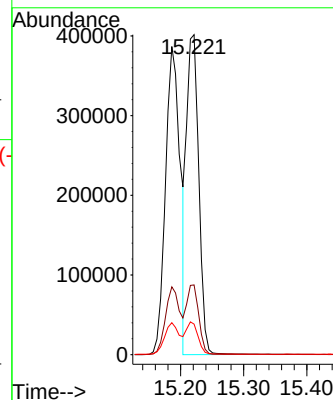
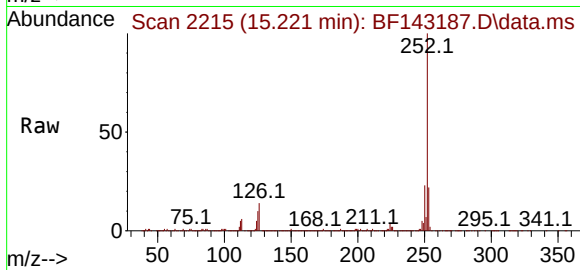
Tgt Ion:252 Resp: 538347

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 9.6 8.1 12.1



#90

Benzo(a)pyrene

Concen: 39.760 ng

RT: 15.568 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

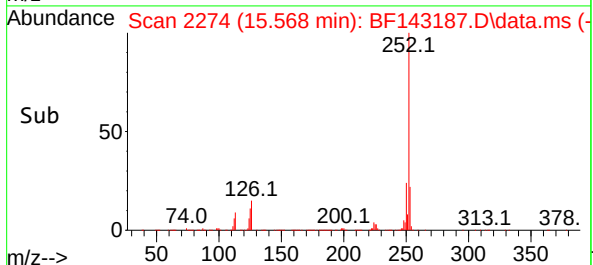
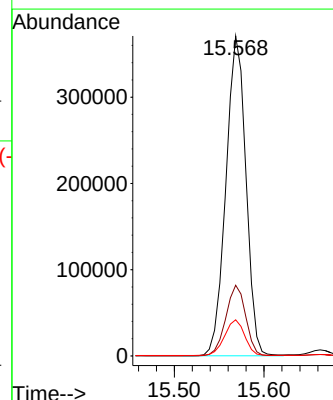
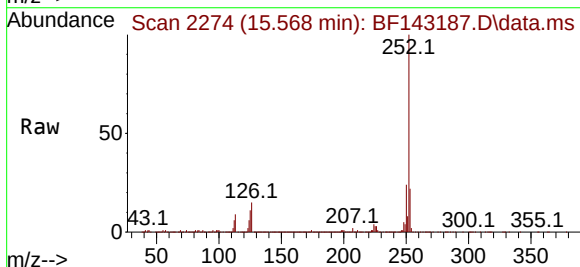
Tgt Ion:252 Resp: 573999

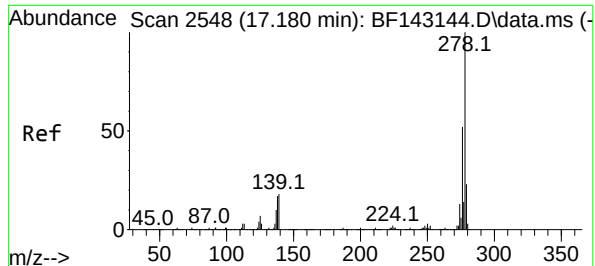
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 11.3 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 37.299 ng

RT: 17.192 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

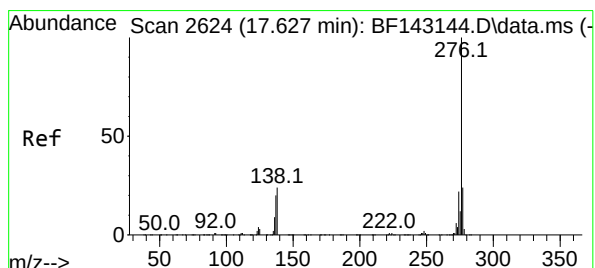
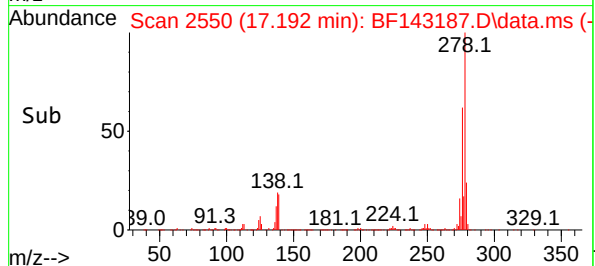
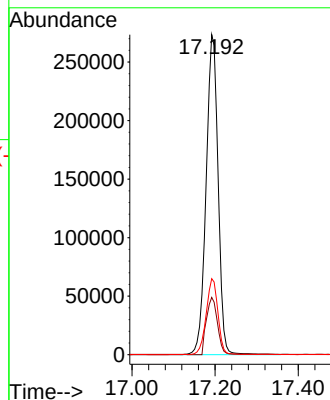
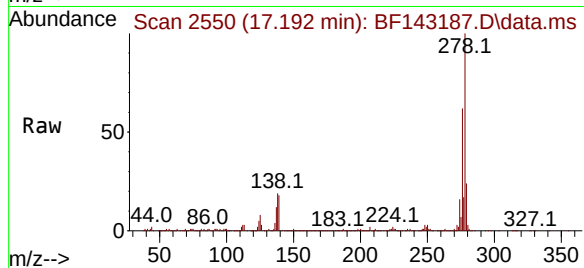
Tgt Ion:278 Resp: 549063

Ion Ratio Lower Upper

278 100

139 17.9 14.1 21.1

279 23.7 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 36.968 ng

RT: 17.645 min Scan# 2627

Delta R.T. 0.018 min

Lab File: BF143187.D

Acq: 22 Jul 2025 13:55

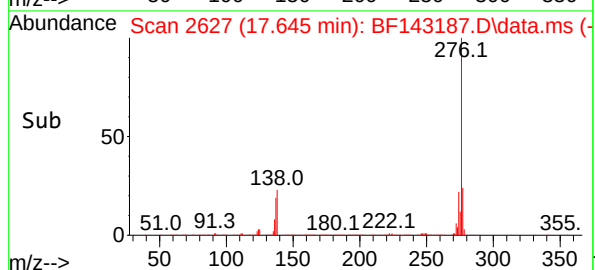
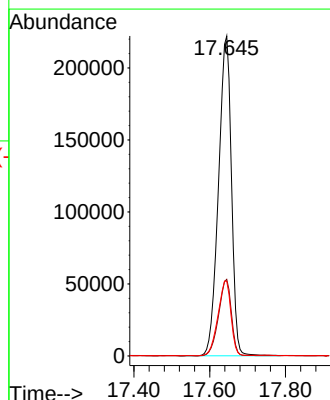
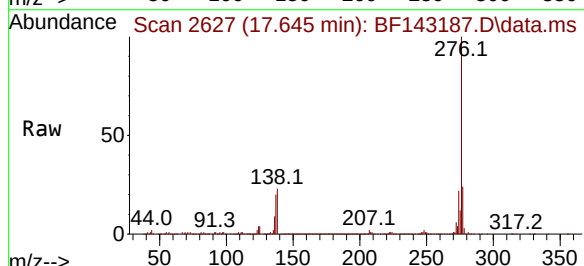
Tgt Ion:276 Resp: 526414

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 23.3 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143187.D
 Acq On : 22 Jul 2025 13:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 22 14:27:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	66	0.00
2	1,4-Dioxane	0.598	0.573	4.2	63	-0.02
3	Pyridine	1.552	1.487	4.2	65	0.00
4	n-Nitrosodimethylamine	0.801	0.773	3.5	63	-0.02
5 S	2-Fluorophenol	1.264	1.228	2.8	66	0.00
6	Aniline	2.217	2.129	4.0	64	0.00
7 S	Phenol-d6	1.591	1.539	3.3	66	0.00
8	2-Chlorophenol	1.325	1.296	2.2	66	0.00
9	Benzaldehyde	1.193	1.113	6.7	51	0.00
10 C	Phenol	1.733	1.787	-3.1	69	0.00
11	bis(2-Chloroethyl)ether	1.327	1.279	3.6	65	0.00
12	1,3-Dichlorobenzene	1.439	1.418	1.5	67	0.00
13 C	1,4-Dichlorobenzene	1.449	1.419	2.1	66	0.00
14	1,2-Dichlorobenzene	1.378	1.357	1.5	67	0.00
15	Benzyl Alcohol	1.215	1.191	2.0	65	0.00
16	2,2'-oxybis(1-Chloropropane	2.461	2.444	0.7	67	0.00
17	2-Methylphenol	1.114	1.095	1.7	66	0.00
18	Hexachloroethane	0.502	0.505	-0.6	68	0.00
19 P	n-Nitroso-di-n-propylamine	1.021	0.950	7.0	64	0.00
20	3+4-Methylphenols	1.351	1.360	-0.7	67	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	66	0.00
22	Acetophenone	0.474	0.455	4.0	66	0.00
23 S	Nitrobenzene-d5	0.401	0.404	-0.7	67	0.00
24	Nitrobenzene	0.374	0.373	0.3	65	0.00
25	Isophorone	0.708	0.669	5.5	64	0.00
26 C	2-Nitrophenol	0.162	0.179	-10.5	69	0.00
27	2,4-Dimethylphenol	0.331	0.320	3.3	65	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.413	2.8	66	0.00
29 C	2,4-Dichlorophenol	0.279	0.275	1.4	66	0.00
30	1,2,4-Trichlorobenzene	0.302	0.296	2.0	66	0.00
31	Naphthalene	0.985	0.970	1.5	67	0.00
32	Benzoic acid	0.169	0.198	-17.2	72	-0.01
33	4-Chloroaniline	0.402	0.390	3.0	66	0.00
34 C	Hexachlorobutadiene	0.184	0.183	0.5	67	0.00
35	Caprolactam	0.084	0.083	1.2	63	0.00
36 C	4-Chloro-3-methylphenol	0.303	0.293	3.3	64	0.00
37	2-Methylnaphthalene	0.599	0.591	1.3	67	0.00
38	1-Methylnaphthalene	0.617	0.608	1.5	67	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	64	0.00
40	1,2,4,5-Tetrachlorobenzene	0.577	0.580	-0.5	67	0.00
41 P	Hexachlorocyclopentadiene	0.376	0.387	-2.9	66	0.00
42 S	2,4,6-Tribromophenol	0.207	0.214	-3.4	65	0.00
43 C	2,4,6-Trichlorophenol	0.400	0.390	2.5	65	0.00
44	2,4,5-Trichlorophenol	0.400	0.416	-4.0	65	0.00
45 S	2-Fluorobiphenyl	1.462	1.449	0.9	68	0.00
46	1,1'-Biphenyl	1.560	1.558	0.1	66	0.00
47	2-Chloronaphthalene	1.155	1.143	1.0	66	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143187.D
 Acq On : 22 Jul 2025 13:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 22 14:27:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	0.362	0.386	-6.6	65	0.00
49	Acenaphthylene	1.935	1.914	1.1	65	0.00
50	Dimethylphthalate	1.304	1.281	1.8	64	0.00
51	2,6-Dinitrotoluene	0.265	0.276	-4.2	63	0.00
52 C	Acenaphthene	1.144	1.157	-1.1	67	0.00
53	3-Nitroaniline	0.310	0.321	-3.5	64	0.00
54 P	2,4-Dinitrophenol	0.098	0.126	-28.6#	77	0.00
55	Dibenzofuran	1.698	1.666	1.9	65	0.00
56 P	4-Nitrophenol	0.232	0.249	-7.3	64	0.00
57	2,4-Dinitrotoluene	0.333	0.361	-8.4	65	0.00
58	Fluorene	1.274	1.255	1.5	66	0.00
59	2,3,4,6-Tetrachlorophenol	0.331	0.336	-1.5	64	0.00
60	Diethylphthalate	1.289	1.262	2.1	63	0.00
61	4-Chlorophenyl-phenylether	0.635	0.636	-0.2	66	0.00
62	4-Nitroaniline	0.266	0.282	-6.0	64	0.00
63	Azobenzene	1.343	1.332	0.8	64	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	63	0.00
65	4,6-Dinitro-2-methylphenol	0.094	0.106	-12.8	69	0.00
66 c	n-Nitrosodiphenylamine	0.704	0.679	3.6	64	0.00
67	4-Bromophenyl-phenylether	0.238	0.233	2.1	65	0.00
68	Hexachlorobenzene	0.249	0.236	5.2	62	0.00
69	Atrazine	0.194	0.200	-3.1	64	0.00
70 C	Pentachlorophenol	0.147	0.155	-5.4	66	0.00
71	Phenanthrene	1.062	1.050	1.1	65	0.00
72	Anthracene	1.083	1.076	0.6	66	0.00
73	Carbazole	0.946	0.952	-0.6	65	0.00
74	Di-n-butylphthalate	1.070	1.108	-3.6	65	0.00
75 C	Fluoranthene	0.975	1.020	-4.6	68	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	76	0.00
77	Benzydine	0.771	0.767	0.5	61	0.00
78	Pyrene	1.707	1.544	9.5	68	0.00
79 S	Terphenyl-d14	1.344	1.184	11.9	69	0.00
80	Butylbenzylphthalate	0.523	0.607	-16.1	85	0.00
81	Benzo(a)anthracene	1.339	1.284	4.1	76	0.00
82	3,3'-Dichlorobenzidine	0.446	0.475	-6.5	84	0.00
83	Chrysene	1.204	1.210	-0.5	76	0.00
84	Bis(2-ethylhexyl)phthalate	0.791	0.875	-10.6	84	0.00
85 c	Di-n-octyl phthalate	1.434	1.575	-9.8	86	0.00
86 I	Perylene-d12	1.000	1.000	0.0	79	0.01
87	Indeno(1,2,3-cd)pyrene	1.410	1.321	6.3	74	0.01
88	Benzo(b)fluoranthene	1.222	1.221	0.1	84	0.00
89	Benzo(k)fluoranthene	1.090	1.049	3.8	73	0.01
90 C	Benzo(a)pyrene	1.126	1.119	0.6	79	0.00
91	Dibenzo(a,h)anthracene	1.148	1.070	6.8	74	0.01
92	Benzo(g,h,i)perylene	1.110	1.026	7.6	73	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143187.D
Acq On : 22 Jul 2025 13:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 14:27:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143187.D
 Acq On : 22 Jul 2025 13:55
 Operator : RC/JU
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Quant Time: Jul 22 14:27:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	66	0.00
2	1,4-Dioxane	40.000	38.305	4.2	63	-0.02
3	Pyridine	40.000	38.307	4.2	65	0.00
4	n-Nitrosodimethylamine	40.000	38.581	3.5	63	-0.02
5 S	2-Fluorophenol	80.000	77.753	2.8	66	0.00
6	Aniline	40.000	38.416	4.0	64	0.00
7 S	Phenol-d6	80.000	77.413	3.2	66	0.00
8	2-Chlorophenol	40.000	39.143	2.1	66	0.00
9	Benzaldehyde	40.000	37.310	6.7	51	0.00
10 C	Phenol	40.000	41.254	-3.1	69	0.00
11	bis(2-Chloroethyl)ether	40.000	38.553	3.6	65	0.00
12	1,3-Dichlorobenzene	40.000	39.411	1.5	67	0.00
13 C	1,4-Dichlorobenzene	40.000	39.163	2.1	66	0.00
14	1,2-Dichlorobenzene	40.000	39.385	1.5	67	0.00
15	Benzyl Alcohol	40.000	39.223	1.9	65	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.713	0.7	67	0.00
17	2-Methylphenol	40.000	39.321	1.7	66	0.00
18	Hexachloroethane	40.000	40.297	-0.7	68	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.224	6.9	64	0.00
20	3+4-Methylphenols	40.000	40.254	-0.6	67	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	66	0.00
22	Acetophenone	40.000	38.442	3.9	66	0.00
23 S	Nitrobenzene-d5	80.000	80.559	-0.7	67	0.00
24	Nitrobenzene	40.000	39.866	0.3	65	0.00
25	Isophorone	40.000	37.763	5.6	64	0.00
26 C	2-Nitrophenol	40.000	44.078	-10.2	69	0.00
27	2,4-Dimethylphenol	40.000	38.679	3.3	65	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.868	2.8	66	0.00
29 C	2,4-Dichlorophenol	40.000	39.425	1.4	66	0.00
30	1,2,4-Trichlorobenzene	40.000	39.329	1.7	66	0.00
31	Naphthalene	40.000	39.398	1.5	67	0.00
32	Benzoic acid	40.000	43.041	-7.6	72	-0.01
33	4-Chloroaniline	40.000	38.830	2.9	66	0.00
34 C	Hexachlorobutadiene	40.000	39.691	0.8	67	0.00
35	Caprolactam	40.000	39.340	1.6	63	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.680	3.3	64	0.00
37	2-Methylnaphthalene	40.000	39.453	1.4	67	0.00
38	1-Methylnaphthalene	40.000	39.373	1.6	67	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	64	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.183	-0.5	67	0.00
41 P	Hexachlorocyclopentadiene	40.000	41.178	-2.9	66	0.00
42 S	2,4,6-Tribromophenol	80.000	82.786	-3.5	65	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.058	2.4	65	0.00
44	2,4,5-Trichlorophenol	40.000	41.595	-4.0	65	0.00
45 S	2-Fluorobiphenyl	80.000	79.290	0.9	68	0.00
46	1,1'-Biphenyl	40.000	39.935	0.2	66	0.00
47	2-Chloronaphthalene	40.000	39.583	1.0	66	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143187.D
 Acq On : 22 Jul 2025 13:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 22 14:27:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 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	42.683	-6.7	65	0.00
49	Acenaphthylene	40.000	39.572	1.1	65	0.00
50	Dimethylphthalate	40.000	39.316	1.7	64	0.00
51	2,6-Dinitrotoluene	40.000	41.575	-3.9	63	0.00
52 C	Acenaphthene	40.000	40.485	-1.2	67	0.00
53	3-Nitroaniline	40.000	41.415	-3.5	64	0.00
54 P	2,4-Dinitrophenol	40.000	45.117	-12.8	77	0.00
55	Dibenzofuran	40.000	39.249	1.9	65	0.00
56 P	4-Nitrophenol	40.000	42.968	-7.4	64	0.00
57	2,4-Dinitrotoluene	40.000	43.407	-8.5	65	0.00
58	Fluorene	40.000	39.388	1.5	66	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.644	-1.6	64	0.00
60	Diethylphthalate	40.000	39.184	2.0	63	0.00
61	4-Chlorophenyl-phenylether	40.000	40.079	-0.2	66	0.00
62	4-Nitroaniline	40.000	42.379	-5.9	64	0.00
63	Azobenzene	40.000	39.680	0.8	64	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	63	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.312	-3.3	69	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.553	3.6	64	0.00
67	4-Bromophenyl-phenylether	40.000	39.049	2.4	65	0.00
68	Hexachlorobenzene	40.000	37.891	5.3	62	0.00
69	Atrazine	40.000	41.112	-2.8	64	0.00
70 C	Pentachlorophenol	40.000	42.253	-5.6	66	0.00
71	Phenanthrene	40.000	39.552	1.1	65	0.00
72	Anthracene	40.000	39.733	0.7	66	0.00
73	Carbazole	40.000	40.280	-0.7	65	0.00
74	Di-n-butylphthalate	40.000	41.427	-3.6	65	0.00
75 C	Fluoranthene	40.000	41.844	-4.6	68	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	76	0.00
77	Benzydine	40.000	39.813	0.5	61	0.00
78	Pyrene	40.000	36.176	9.6	68	0.00
79 S	Terphenyl-d14	80.000	70.493	11.9	69	0.00
80	Butylbenzylphthalate	40.000	46.491	-16.2	85	0.00
81	Benzo(a)anthracene	40.000	38.346	4.1	76	0.00
82	3,3'-Dichlorobenzidine	40.000	42.575	-6.4	84	0.00
83	Chrysene	40.000	40.193	-0.5	76	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	44.258	-10.6	84	0.00
85 c	Di-n-octyl phthalate	40.000	43.945	-9.9	86	0.00
86 I	Perylene-d12	20.000	20.000	0.0	79	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	37.481	6.3	74	0.01
88	Benzo(b)fluoranthene	40.000	39.973	0.1	84	0.00
89	Benzo(k)fluoranthene	40.000	38.503	3.7	73	0.01
90 C	Benzo(a)pyrene	40.000	39.760	0.6	79	0.00
91	Dibenzo(a,h)anthracene	40.000	37.299	6.8	74	0.01
92	Benzo(g,h,i)perylene	40.000	36.968	7.6	73	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143187.D
Acq On : 22 Jul 2025 13:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 14:27:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



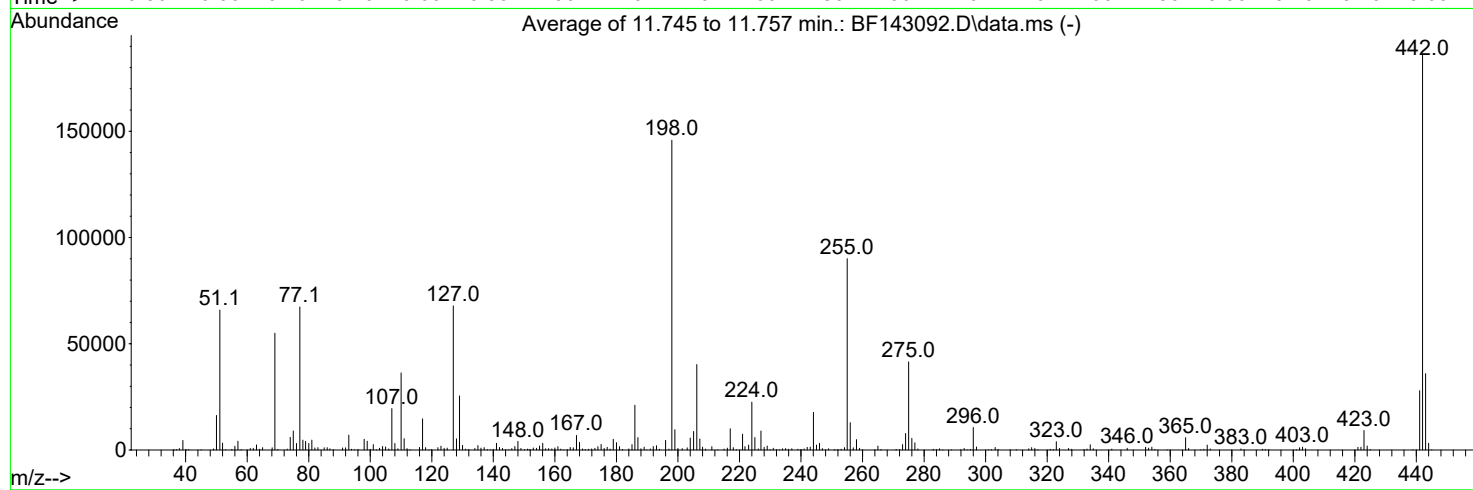
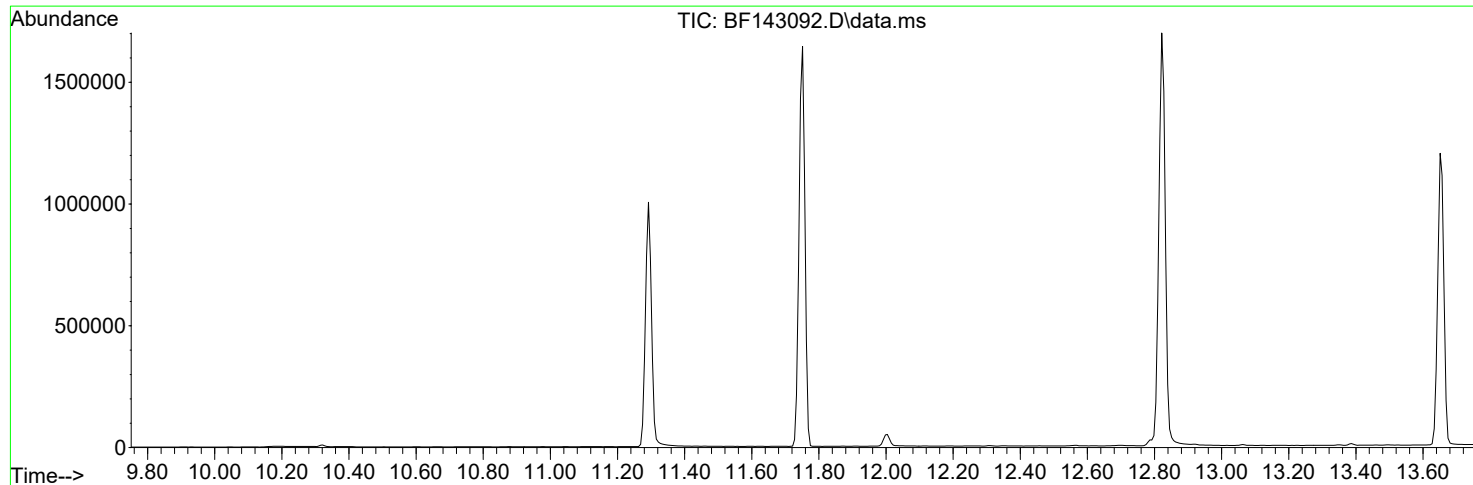
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
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-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025



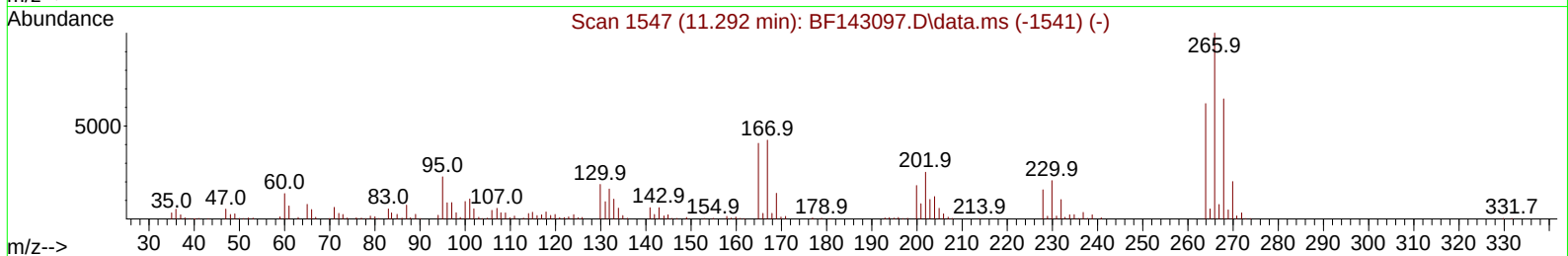
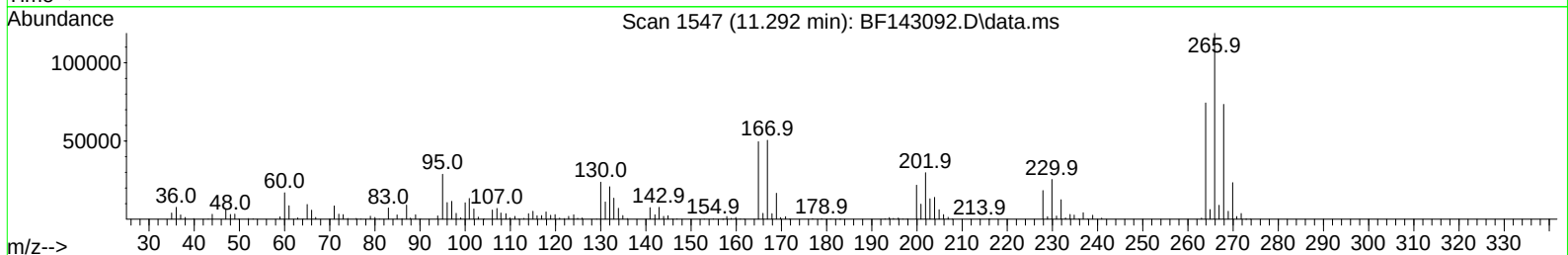
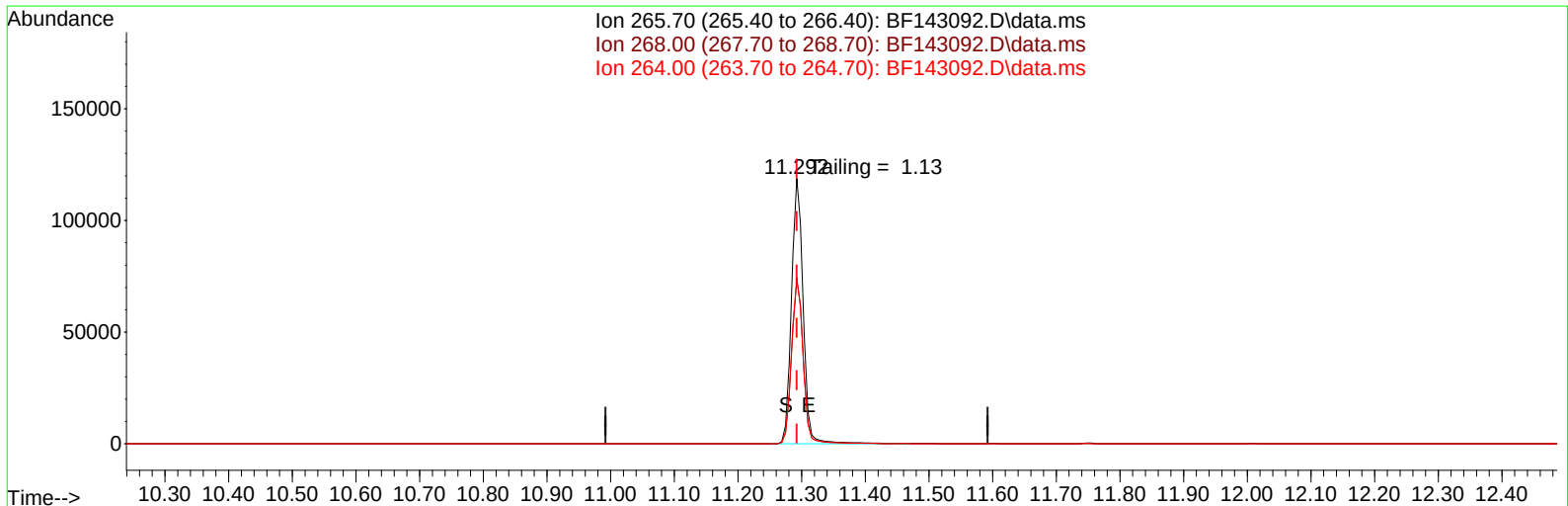
AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	2.0	1083	PASS
69	69	100	100	100.0	55011	PASS
70	69	0.00	2	0.5	283	PASS
197	198	0.00	2	0.3	479	PASS
198	198	100	100	100.0	145821	PASS
199	198	5	9	6.5	9539	PASS
365	198	1	100	4.0	5805	PASS
441	443	0.01	150	77.7	27936	PASS
442	442	100	100	100.0	185813	PASS
443	442	15	24	19.4	35957	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 15 18:02:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



TIC: BF143092.D\data.ms

(70) Pentachlorophenol (C)

11.292min (+ 0.000) 28198.82 ng

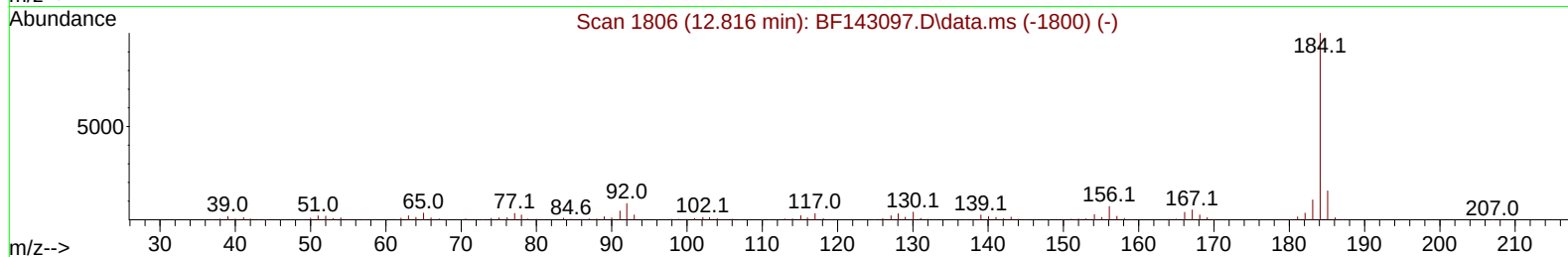
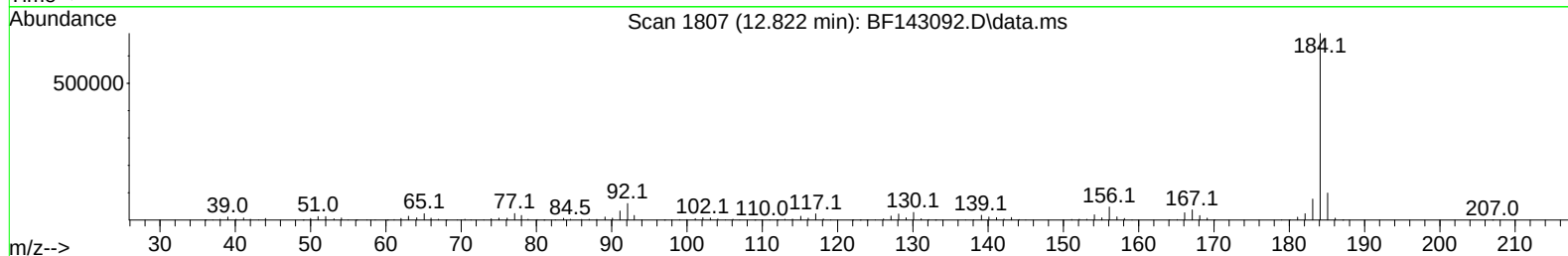
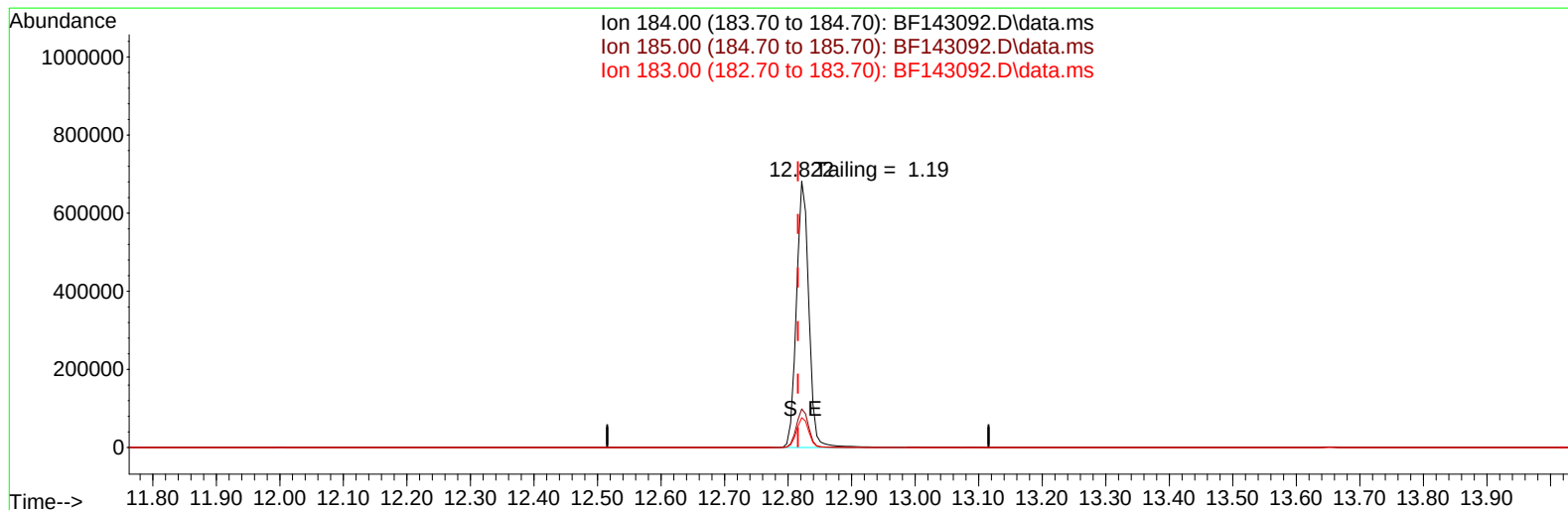
response 151956

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	61.86
264.00	62.10	62.56
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 15 18:02:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



TIC: BF143092.D\data.ms

(77) Benzidine

12.822min (+ 0.006) 0.00 ng

response 925010

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.52
183.00	10.70	11.25
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

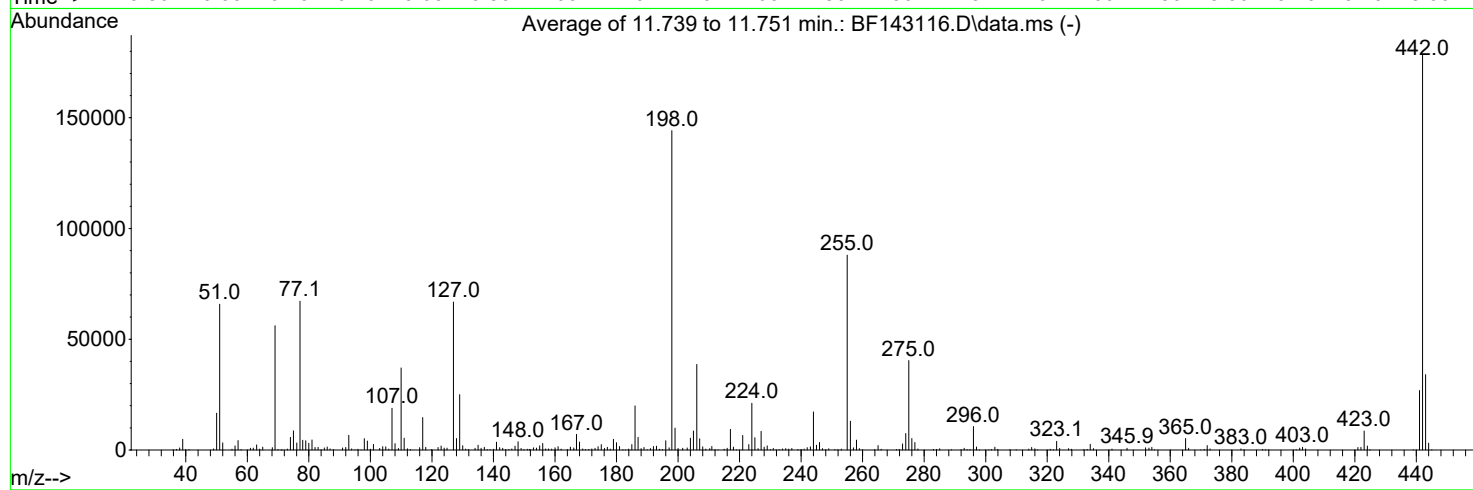
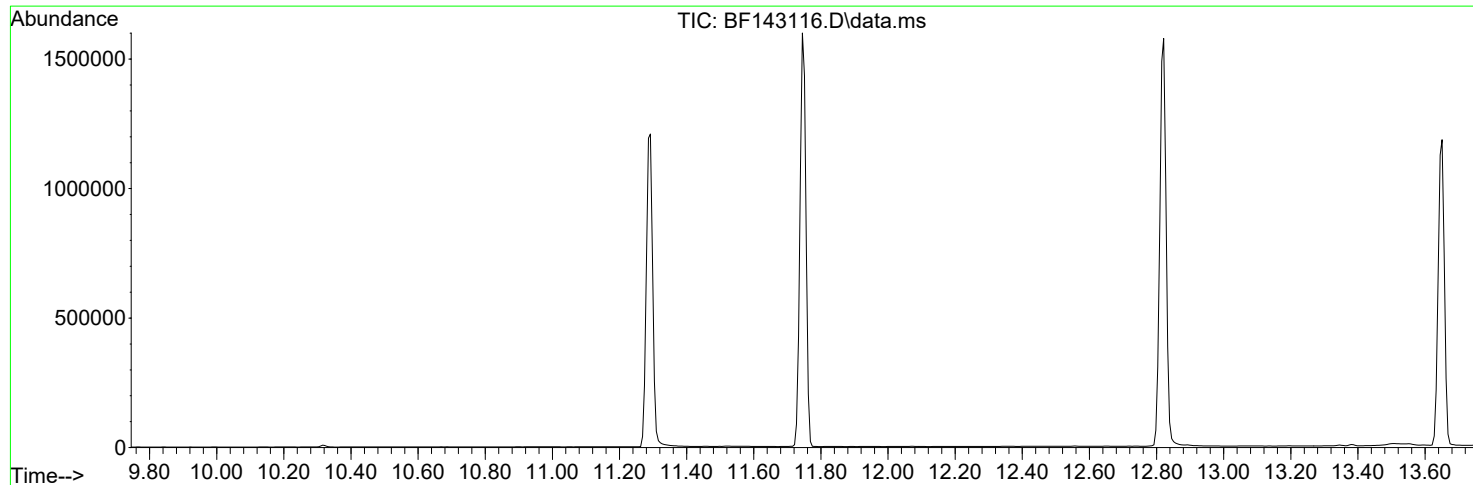
Date	Instrument Name	DFTPP Data File
7/15/2025	BNA_F	<u>BF143092.D</u>
Compound Name	Response	Retention Time
DDT	237029	13.651
DDD	2265	13.386
DDE	0	13.01
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
2265	239294	0.95

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
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-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025



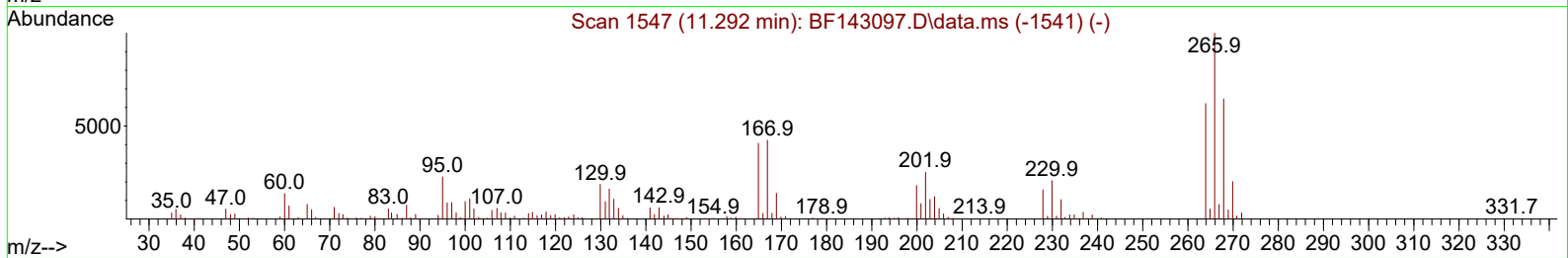
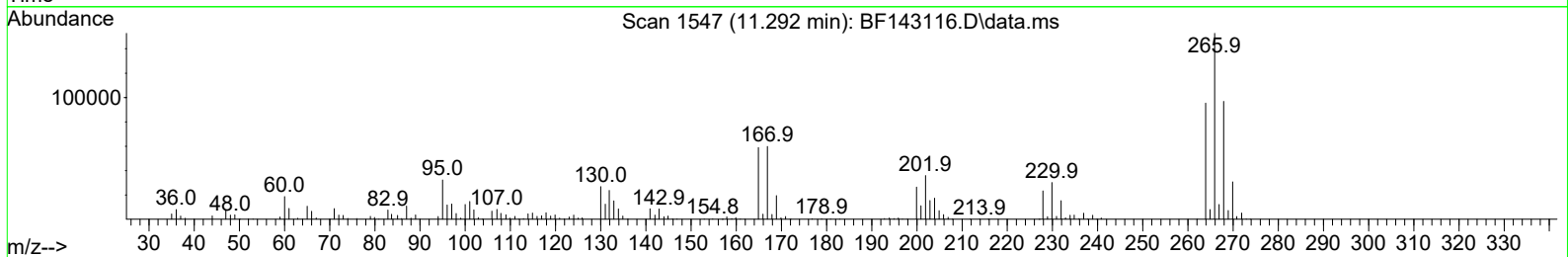
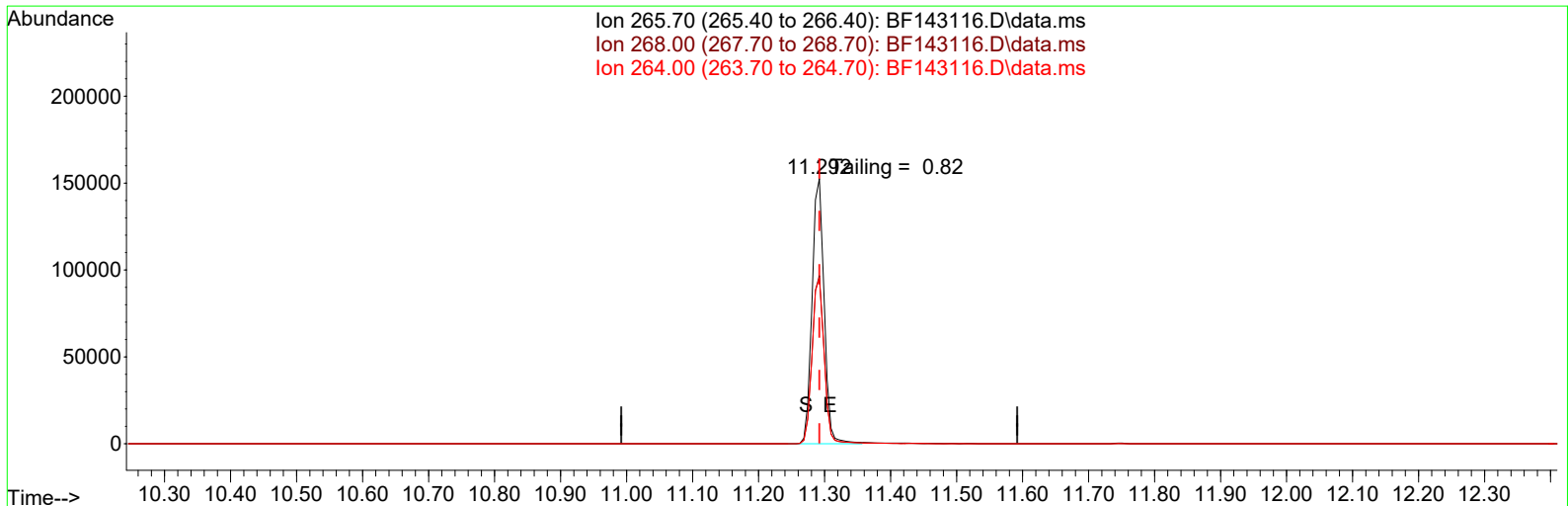
AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1058	PASS
69	69	100	100	100.0	56128	PASS
70	69	0.00	2	0.6	318	PASS
197	198	0.00	2	0.7	1000	PASS
198	198	100	100	100.0	144192	PASS
199	198	5	9	6.8	9864	PASS
365	198	1	100	3.6	5196	PASS
441	443	0.01	150	79.1	26908	PASS
442	442	100	100	100.0	178251	PASS
443	442	15	24	19.1	34024	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 03:11:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



TIC: BF143116.D\data.ms

(70) Pentachlorophenol (C)

11.292min (-0.000) 32920.43 ng

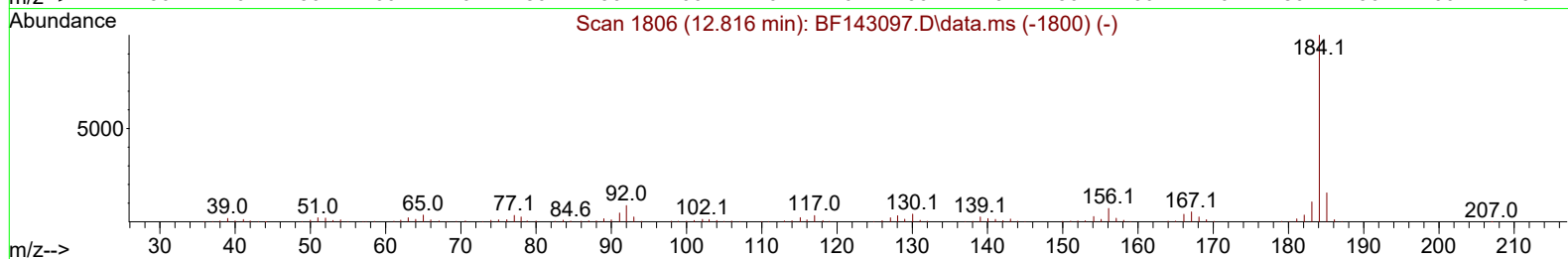
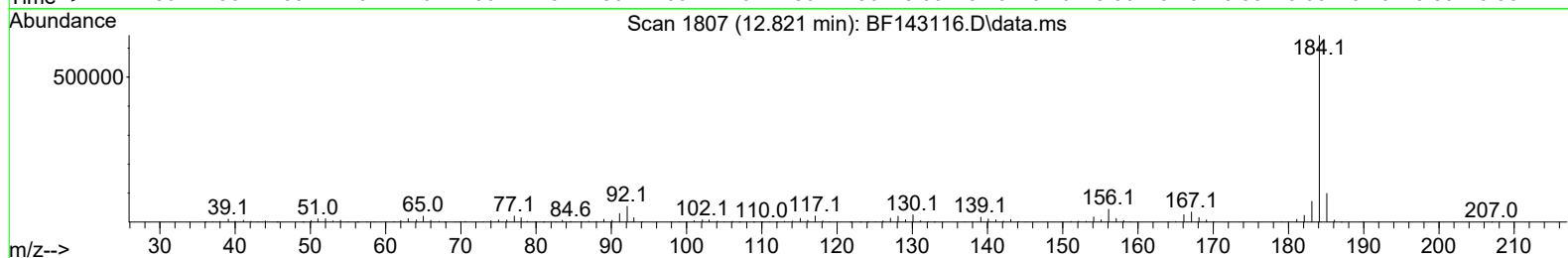
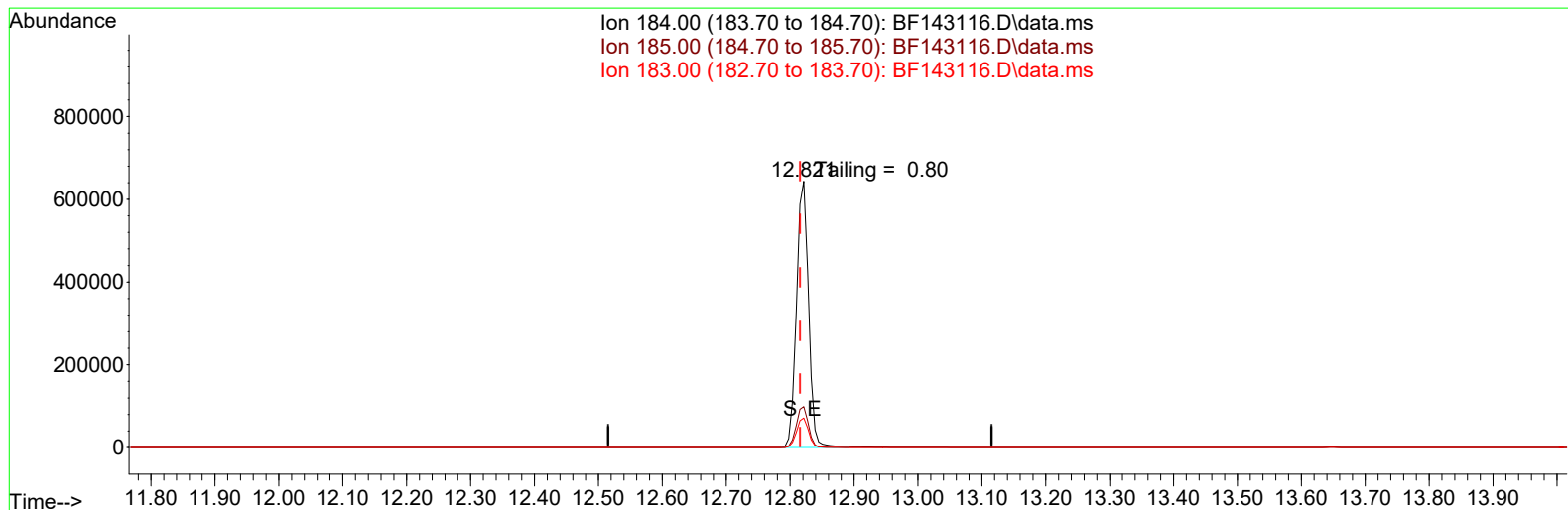
response 195924

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	63.41
264.00	62.10	62.55
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 03:11:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



TIC: BF143116.D\data.ms

(77) Benzidine

12.821min (+ 0.006) 0.00 ng

response 848698

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	15.39
183.00	10.70	11.10
0.00	0.00	0.00

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

DDT Breakdown

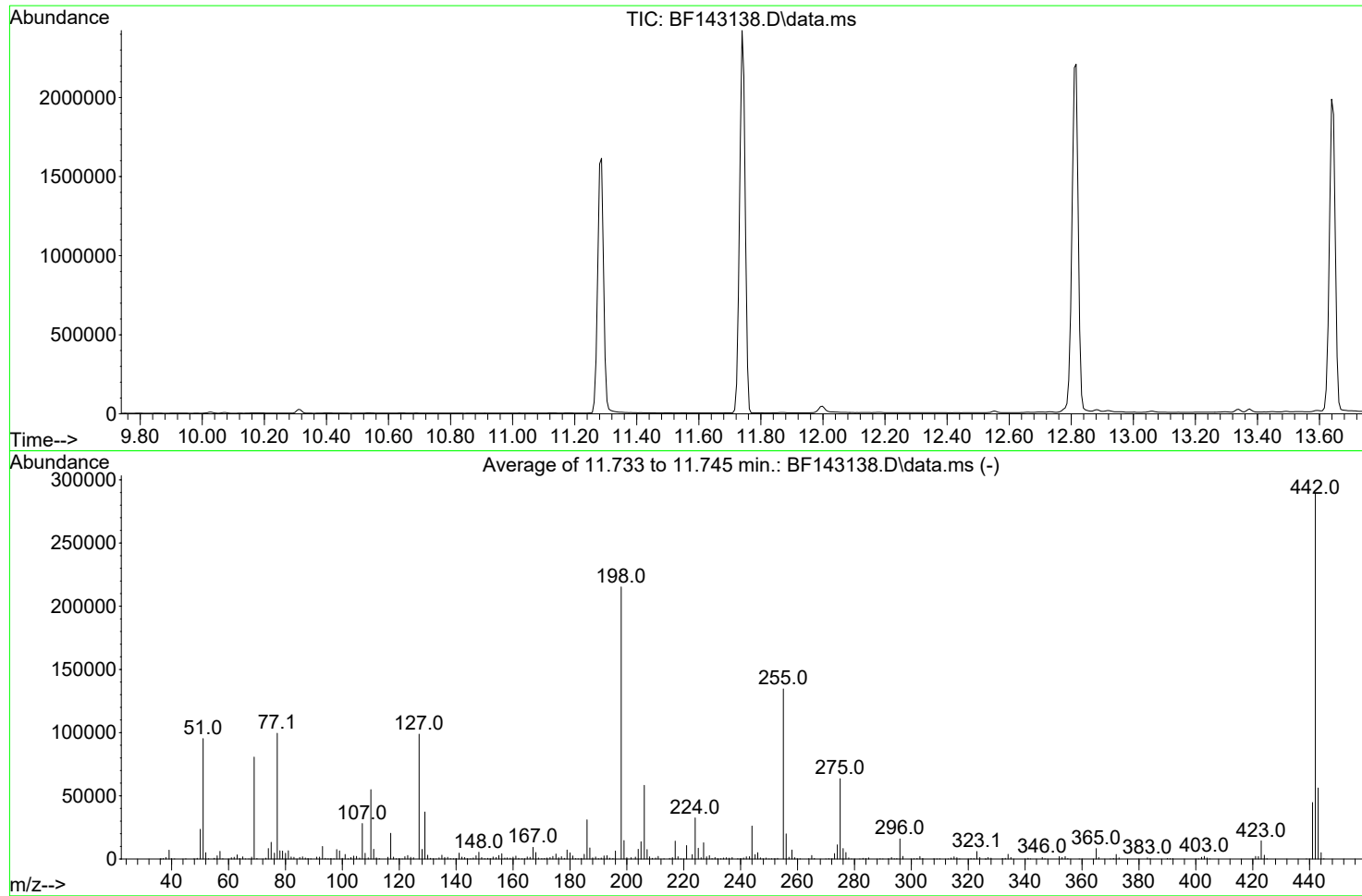
Date	Instrument Name	DFTPP Data File
7/16/2025	BNA_F	<u>BF143116.D</u>
Compound Name	Response	Retention Time
DDT	269374	13.651
DDD	2925	13.38
DDE	0	
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
2925	272299	1.07

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 17 15:14:05 2025



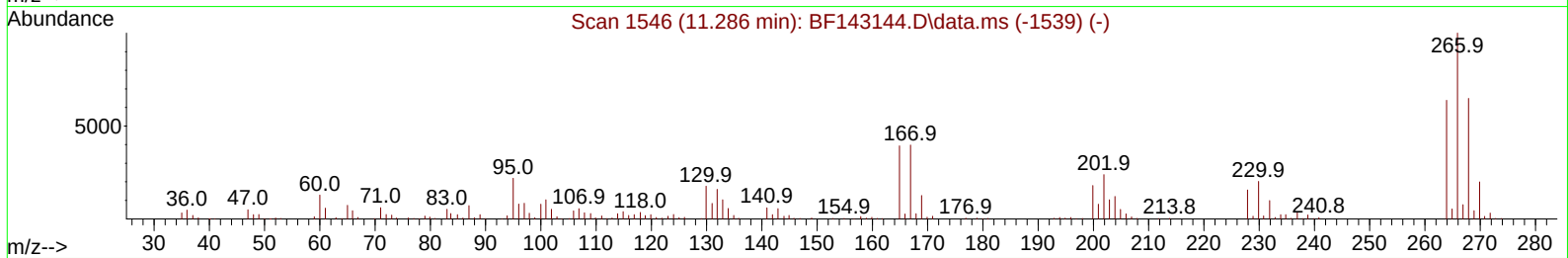
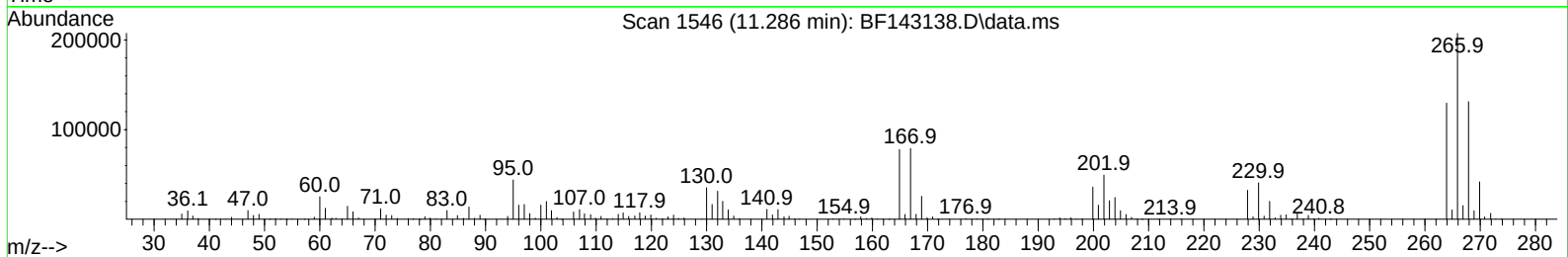
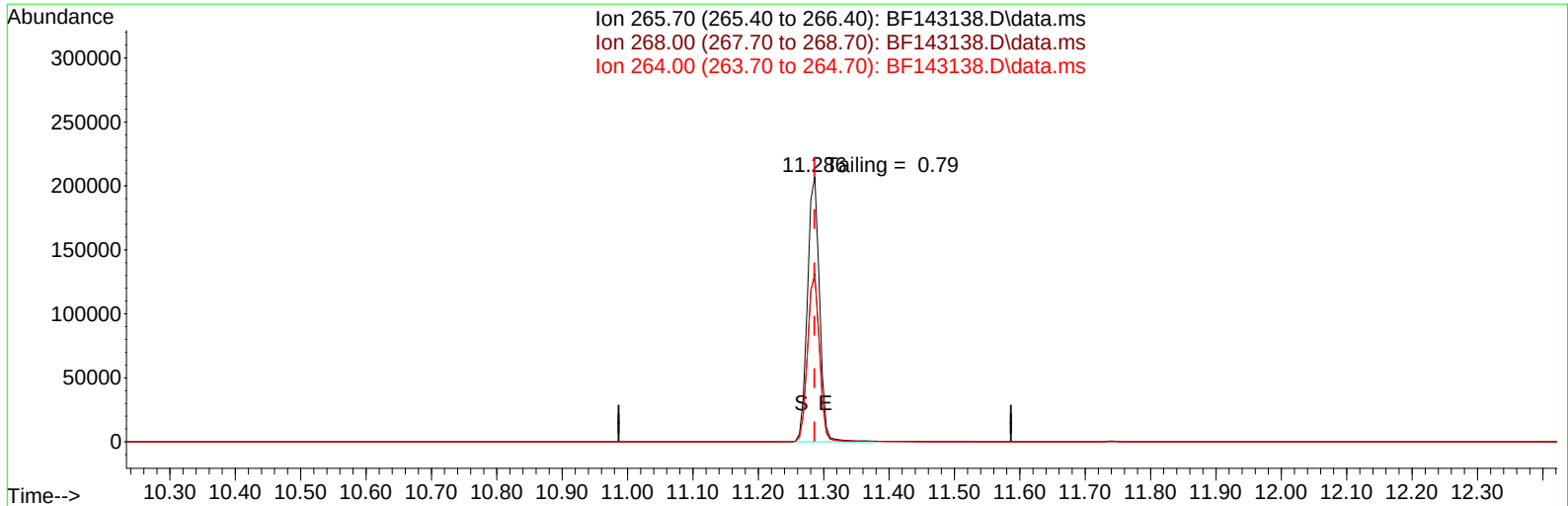
AutoFind: Scans 1622, 1623, 1624; Background Corrected with Scan 1616

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1515	PASS
69	69	100	100	100.0	80680	PASS
70	69	0.00	2	0.5	430	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	215296	PASS
199	198	5	9	6.8	14617	PASS
365	198	1	100	3.8	8287	PASS
441	443	0.01	150	79.6	44723	PASS
442	442	100	100	100.0	288853	PASS
443	442	15	24	19.5	56203	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 16:32:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143138.D\data.ms

(70) Pentachlorophenol (C)

11.286min (+ 0.000) 29509.64 ng

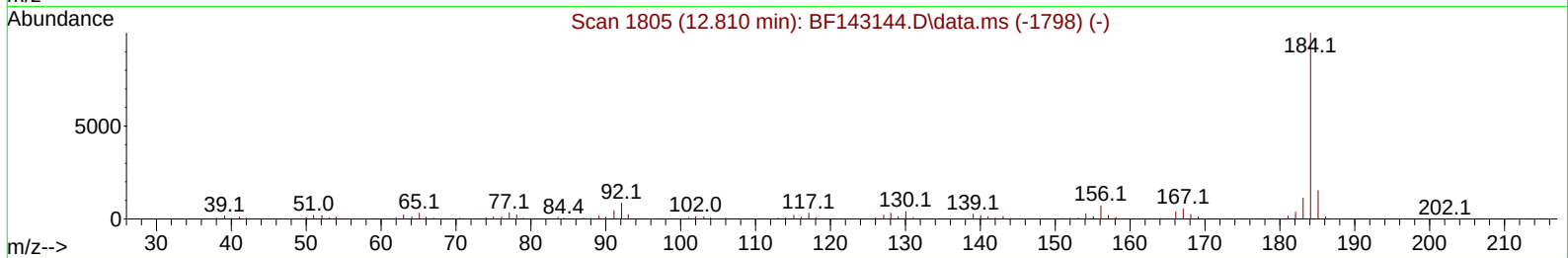
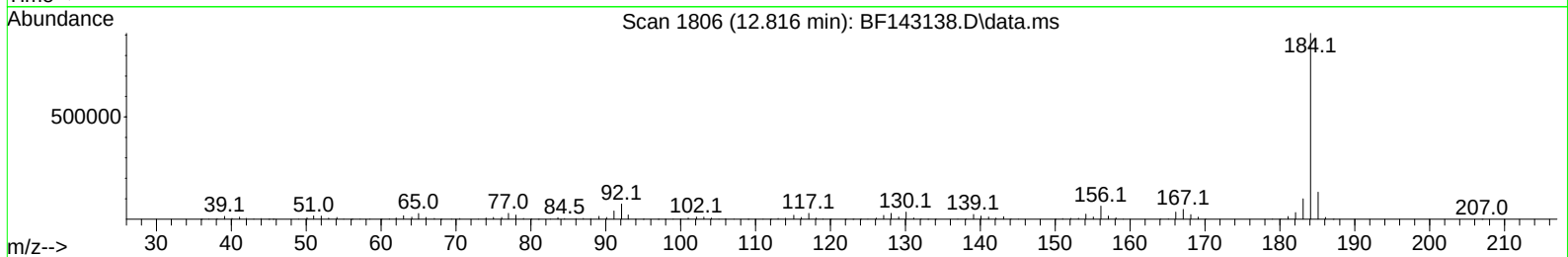
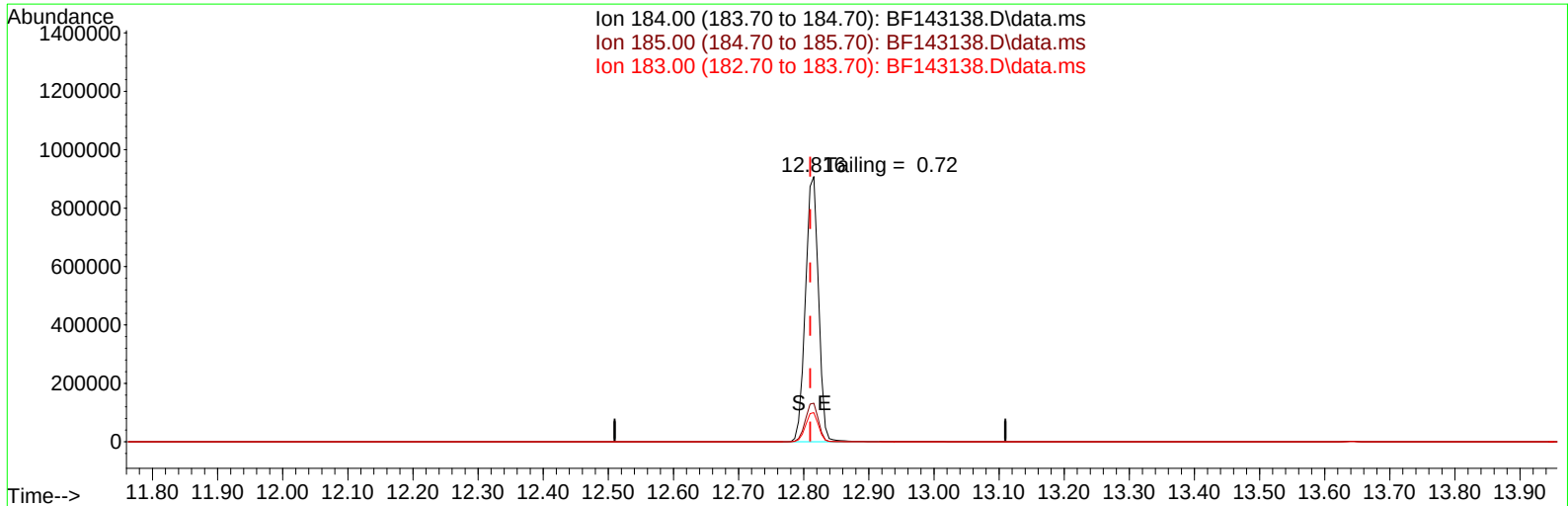
response 268044

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	63.24
264.00	63.80	62.50
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 16:32:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143138.D\data.ms

(77) Benzidine

12.816min (+ 0.006) 0.00 ng

response 1266864

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.30	14.57
183.00	11.20	10.98
0.00	0.00	0.00

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

DDT Breakdown

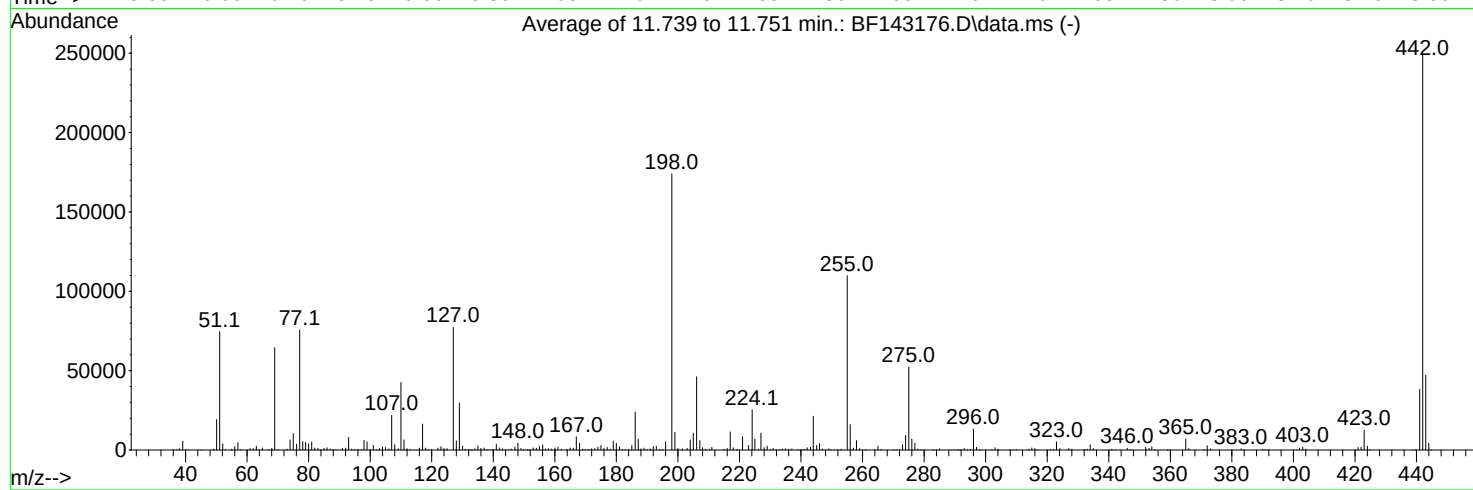
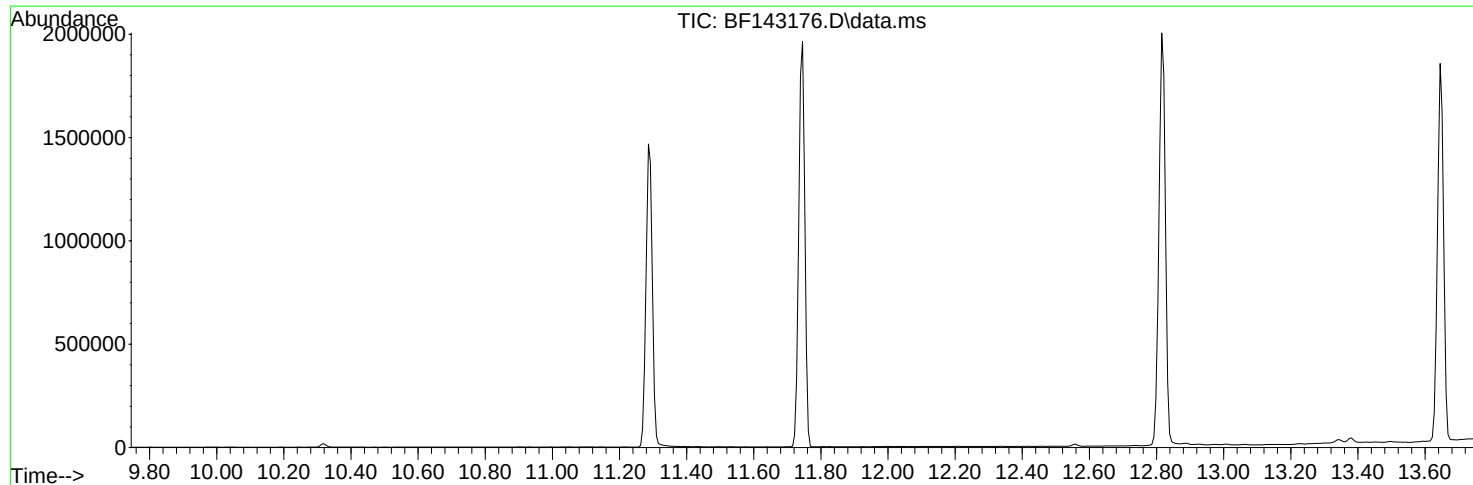
Date	Instrument Name	DFTPP Data File
7/17/2025	BNA_F	<u>BF143138.D</u>
Compound Name	Response	Retention Time
DDT	490244	13.639
DDD	9488	13.339
DDE	328	13.004
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9816	500060	1.96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143176.D
Acq On : 22 Jul 2025 07:48
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\8270E-Tune.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 23 16:55:25 2022



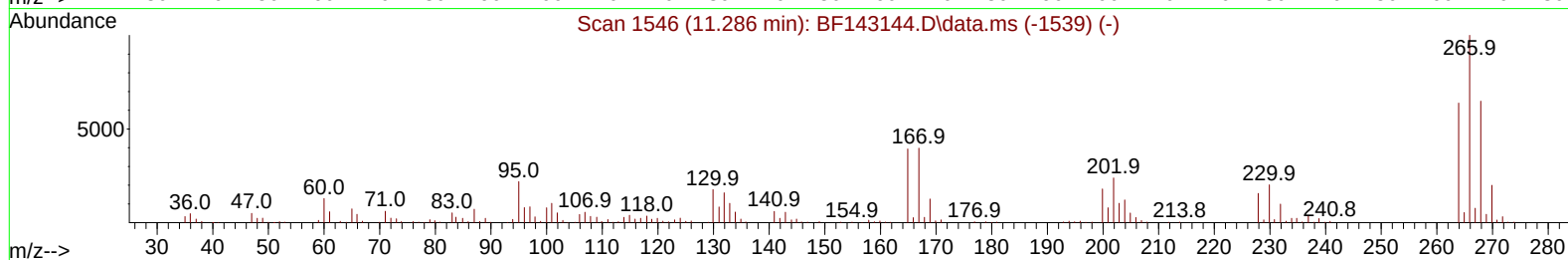
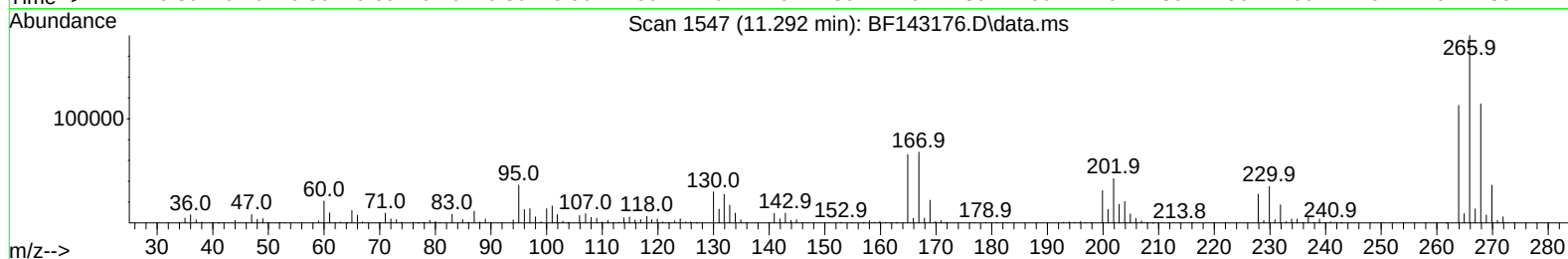
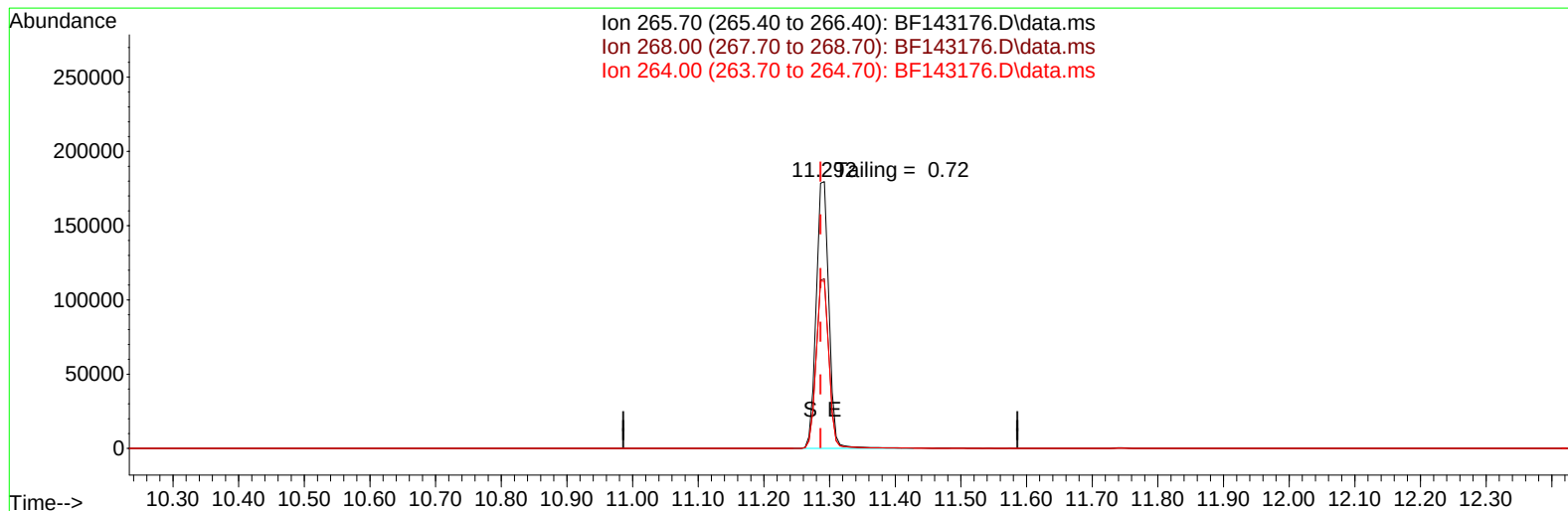
AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1616

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	1012	PASS
69	69	100	100	100.0	64563	PASS
70	69	0.00	2	0.5	329	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	174029	PASS
199	198	5	9	6.4	11198	PASS
365	198	1	100	4.0	6980	PASS
441	443	0.01	150	81.1	38184	PASS
442	442	100	100	100.0	248789	PASS
443	442	15	24	18.9	47107	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143176.D
Acq On : 22 Jul 2025 07:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 22 11:11:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143176.D\data.ms

(70) Pentachlorophenol (C)

11.292min (+ 0.006) 32381.96 ng

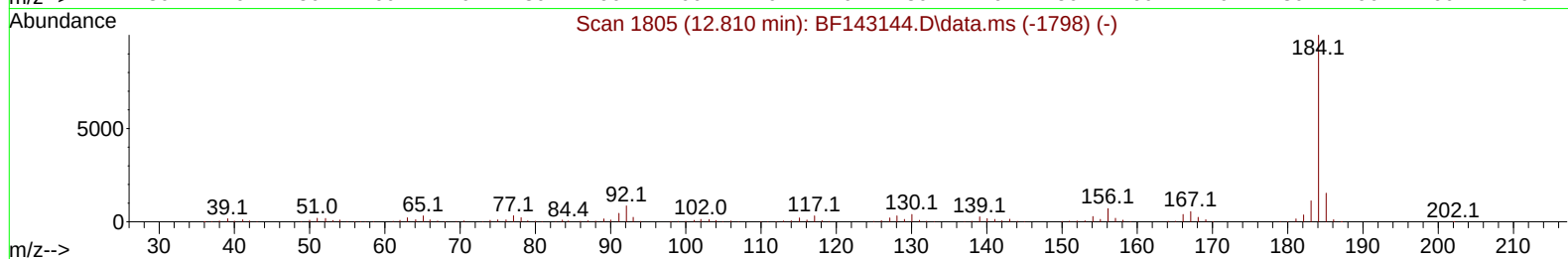
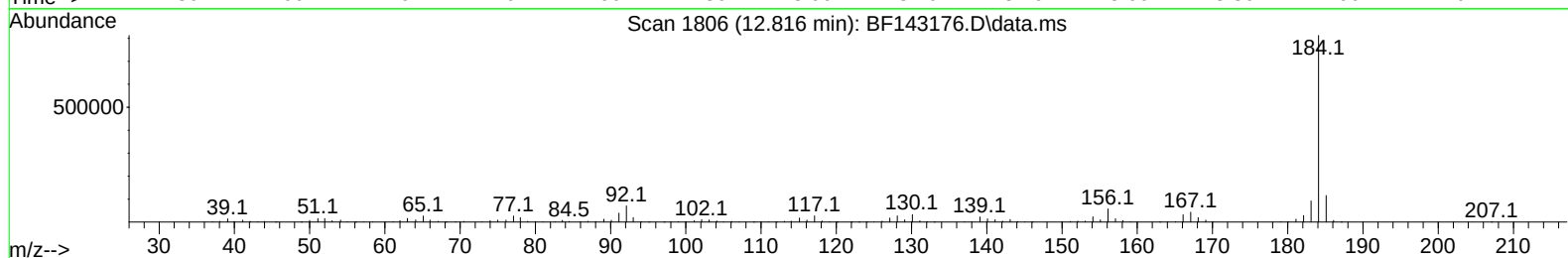
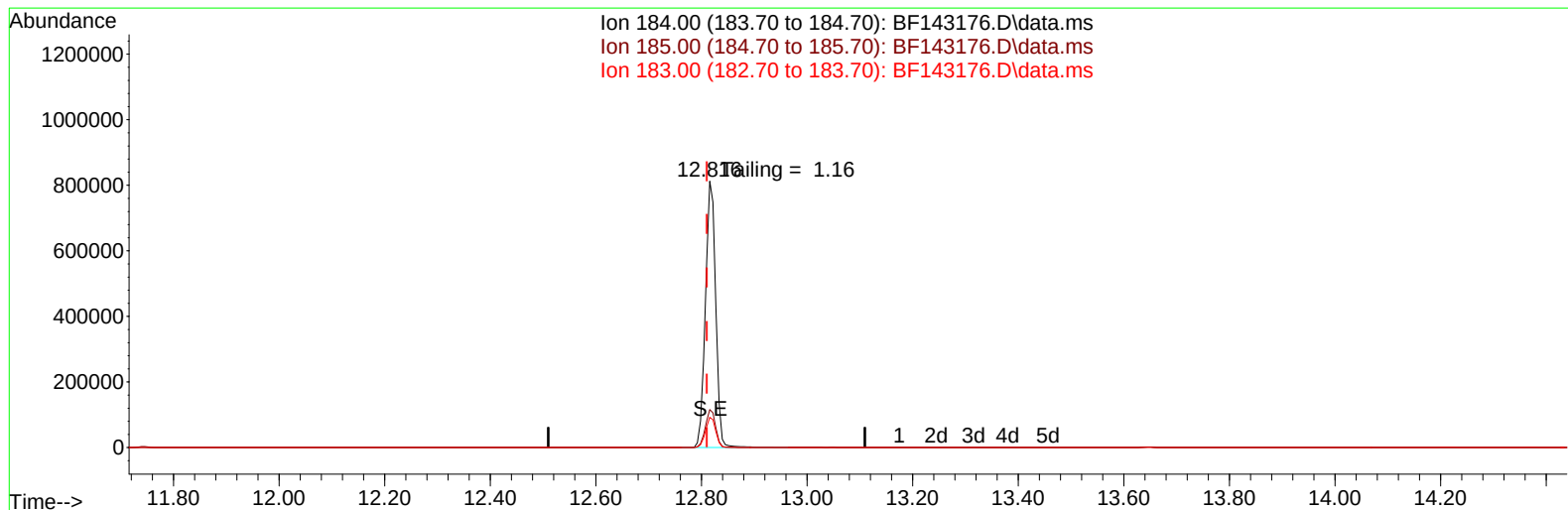
response 241949

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	63.58
264.00	63.80	62.74
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143176.D
Acq On : 22 Jul 2025 07:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 22 11:11:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143176.D\data.ms

(77) Benzidine

12.816min (+ 0.006) 514868.65 ng m

response 1110844

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.30	14.24
183.00	11.20	11.33
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/22/2025	BNA_F	<u>BF143176.D</u>
Compound Name	Response	Retention Time
DDT	445109	13.645
DDD	8683	13.38
DDE	869	13.01
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9552	454661	2.10

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168813BL	SDG No.:	Q2558
Lab Sample ID:	PB168813BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143149.D	1	07/11/25 09:50	07/17/25 15:36	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.13	U	0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	0.13	U	0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	0.13	U	0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	0.13	U	0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	0.13	U	0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	0.13	U	0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	0.13	U	0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	0.13	U	0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	0.13	U	0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.13	U	0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.13	U	0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.13	U	0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	U	0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.13	U	0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	U	0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	78.7		37 - 122		79%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.4		44 - 115		74%	SPK: 100
1718-51-0	Terphenyl-d14	81.9		54 - 127		82%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	147000	6.963				
1146-65-2	Naphthalene-d8	569000	8.239				
15067-26-2	Acenaphthene-d10	303000	9.998				
1517-22-2	Phenanthrene-d10	523000	11.48				
1719-03-5	Chrysene-d12	289000	14.115				
1520-96-3	Perylene-d12	290000	15.621				

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168813BL	SDG No.:	Q2558
Lab Sample ID:	PB168813BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143149.D	1	07/11/25 09:50	07/17/25 15:36	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143149.D
Acq On : 17 Jul 2025 15:36
Operator : RC/JU
Sample : PB168813BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Quant Time: Jul 17 16:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	146767	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	569126	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	303459	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	522570	20.000	ng	0.00
76) Chrysene-d12	14.115	240	289033	20.000	ng	0.00
86) Perylene-d12	15.621	264	289854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	1070103	115.380	ng	0.01
7) Phenol-d6	6.581	99	1359950	116.496	ng	0.00
23) Nitrobenzene-d5	7.516	82	898609	78.705	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	382284	121.944	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1650294	74.375	ng	0.00
79) Terphenyl-d14	13.069	244	1591473	81.938	ng	0.00

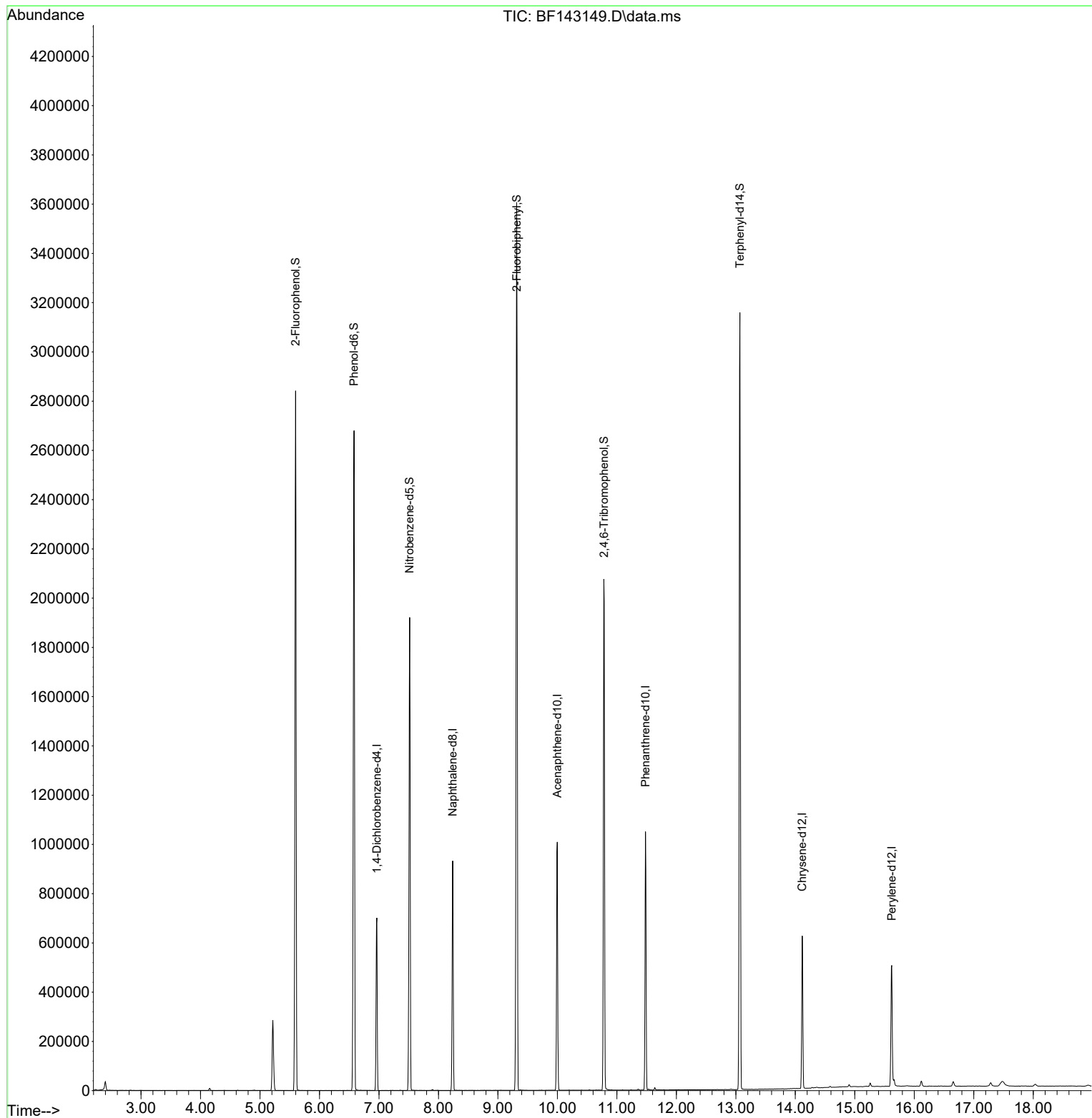
Target Compounds	Qvalue

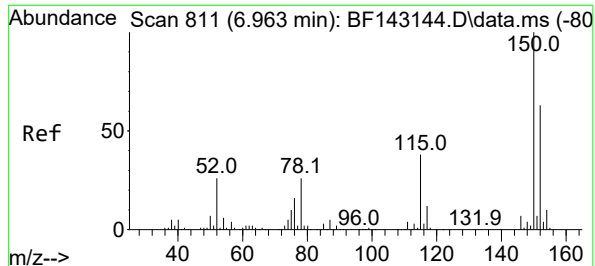
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143149.D
Acq On : 17 Jul 2025 15:36
Operator : RC/JU
Sample : PB168813BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Quant Time: Jul 17 16:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

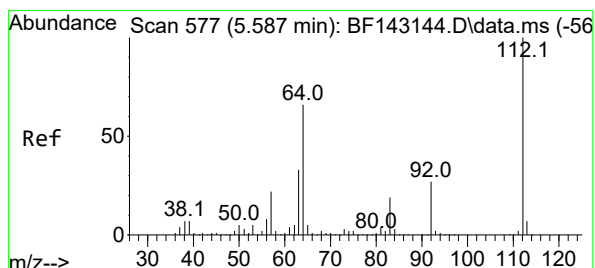
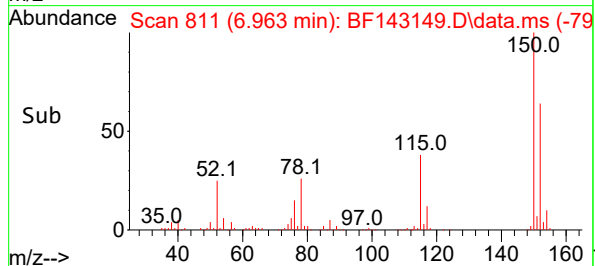
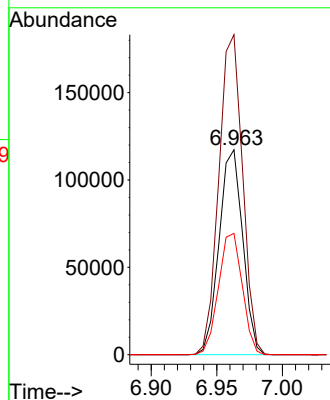
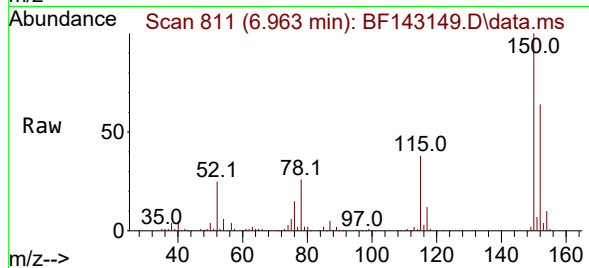




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

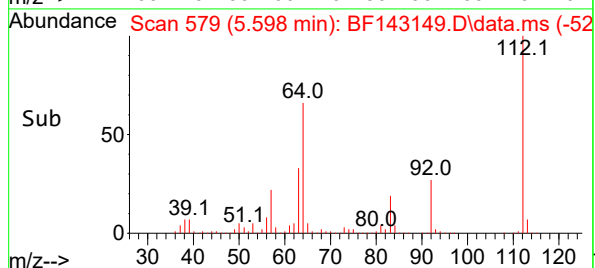
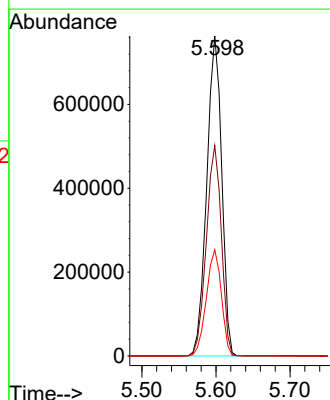
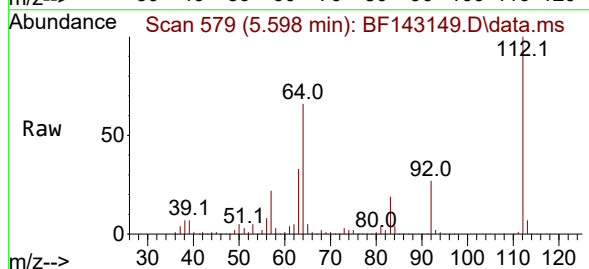
Instrument :
BNA_F
ClientSampleId :
PB168813BL

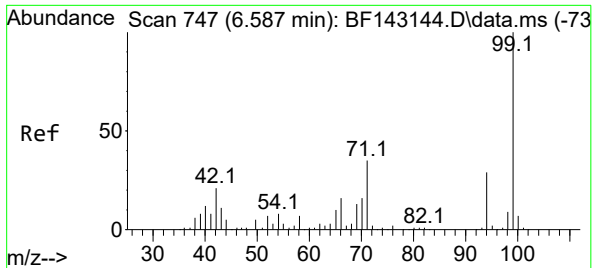
Tgt Ion:152 Resp: 146767
Ion Ratio Lower Upper
152 100
150 156.1 128.2 192.4
115 59.2 47.9 71.9



#5
2-Fluorophenol
Concen: 115.380 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Tgt Ion:112 Resp: 1070103
Ion Ratio Lower Upper
112 100
64 65.8 53.1 79.7
63 33.2 26.6 40.0

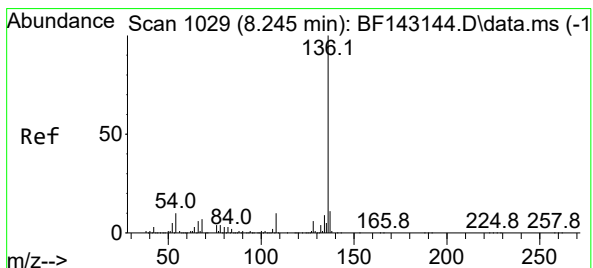
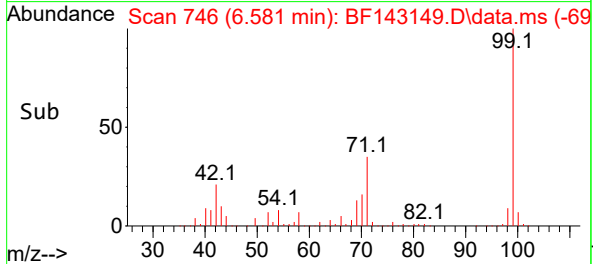
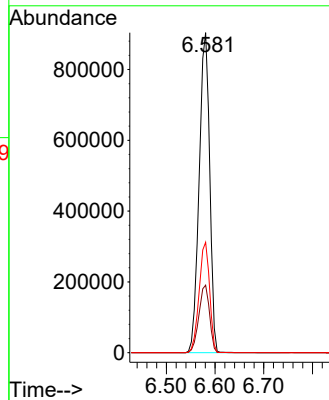
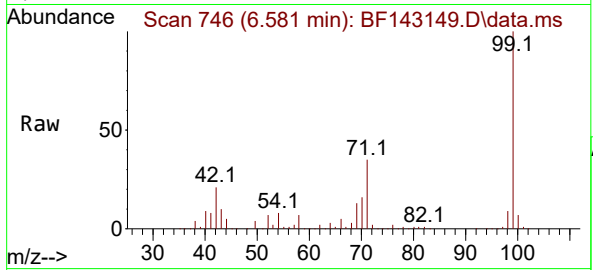




#7
Phenol-d6
Concen: 116.496 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

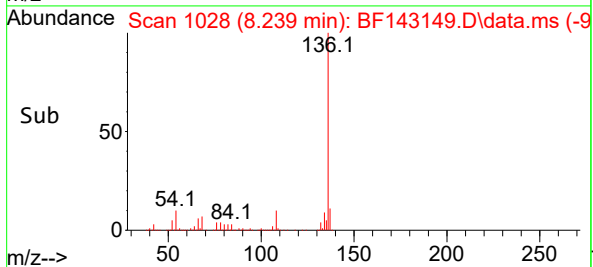
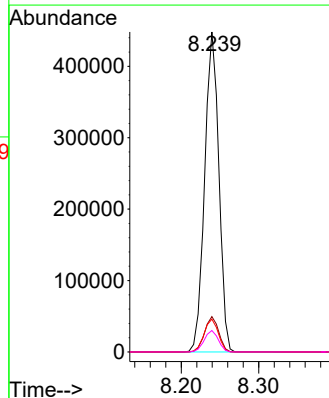
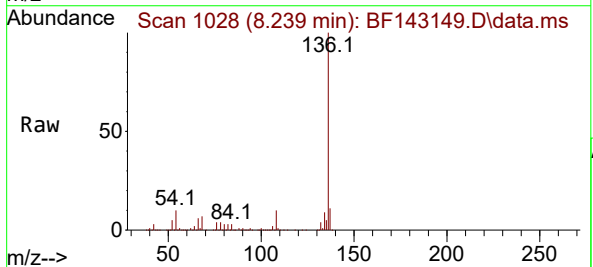
Instrument :
BNA_F
ClientSampleId :
PB168813BL

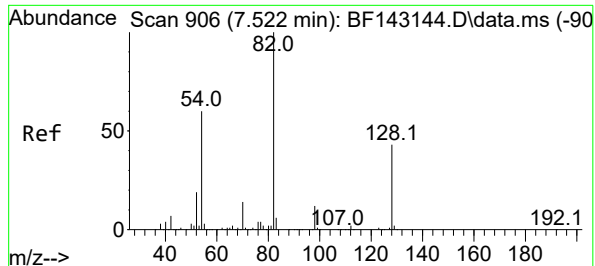
Tgt Ion: 99 Resp: 1359950
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.5 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Tgt Ion: 136 Resp: 569126
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.3 8.2 12.2
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 78.705 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143149.D

Acq: 17 Jul 2025 15:36

Instrument :

BNA_F

ClientSampleId :

PB168813BL

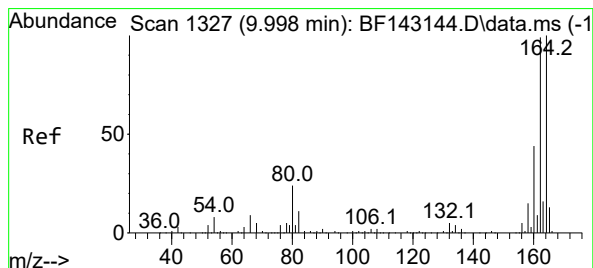
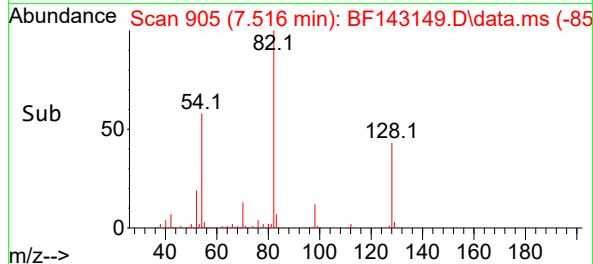
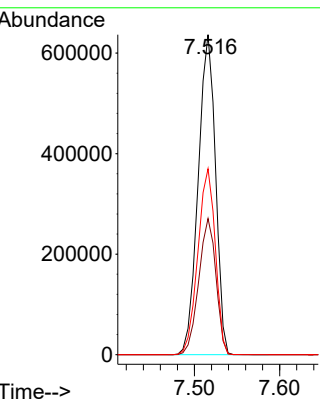
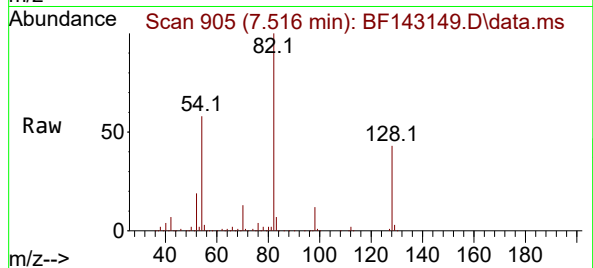
Tgt Ion: 82 Resp: 898609

Ion Ratio Lower Upper

82 100

128 42.6 33.6 50.4

54 58.1 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143149.D

Acq: 17 Jul 2025 15:36

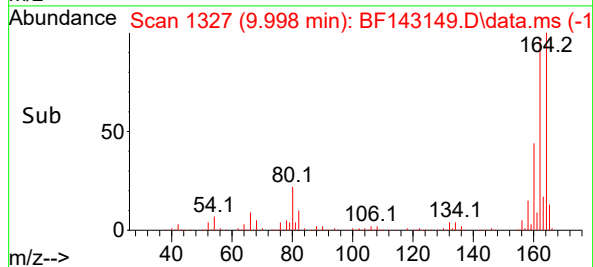
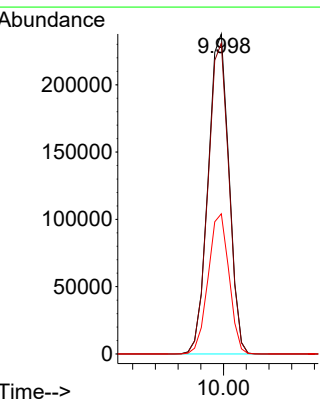
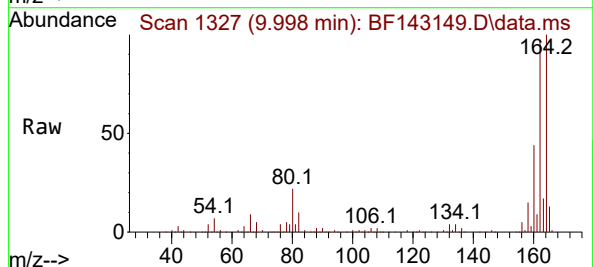
Tgt Ion:164 Resp: 303459

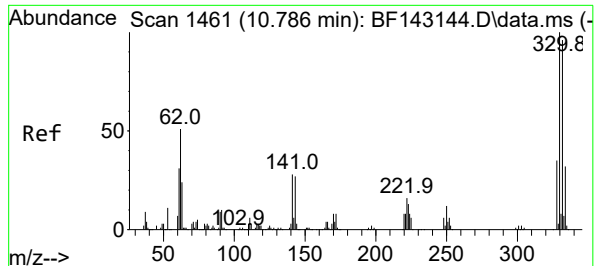
Ion Ratio Lower Upper

164 100

162 97.1 79.0 118.6

160 43.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 121.944 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143149.D

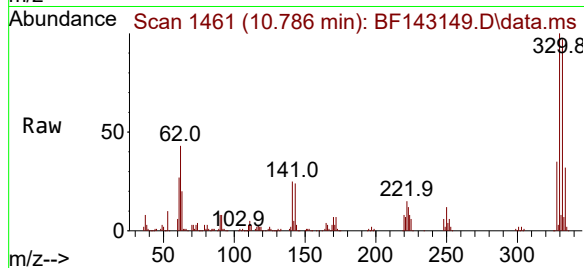
Acq: 17 Jul 2025 15:36

Instrument :

BNA_F

ClientSampleId :

PB168813BL



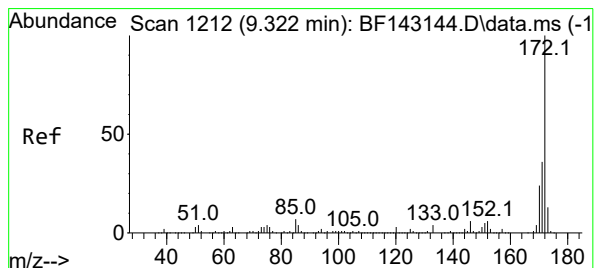
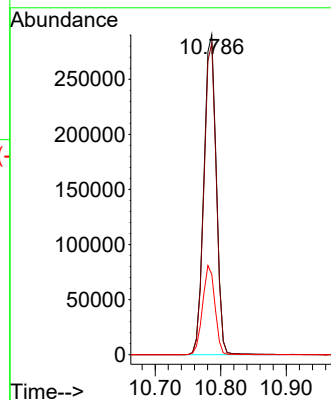
Tgt Ion:330 Resp: 382284

Ion Ratio Lower Upper

330 100

332 97.1 76.7 115.1

141 27.8 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 74.375 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143149.D

Acq: 17 Jul 2025 15:36

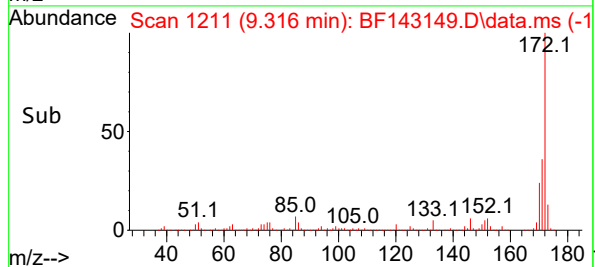
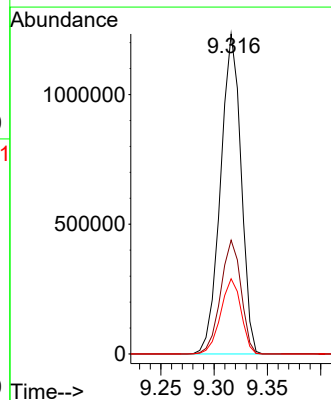
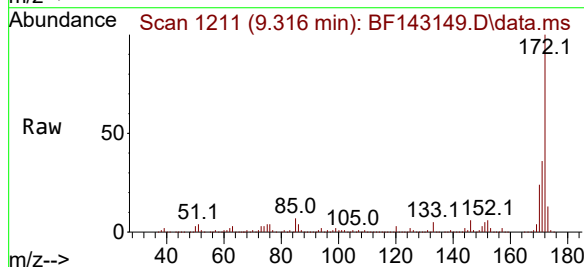
Tgt Ion:172 Resp: 1650294

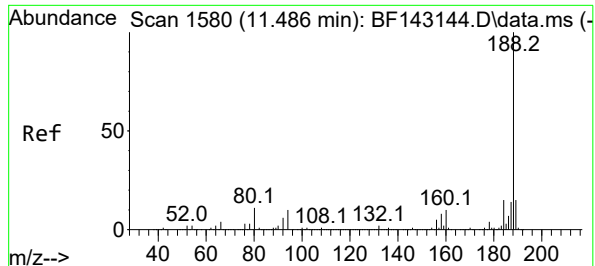
Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.5 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143149.D

Acq: 17 Jul 2025 15:36

Instrument :

BNA_F

ClientSampleId :

PB168813BL

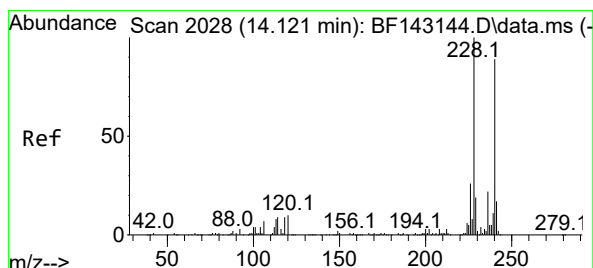
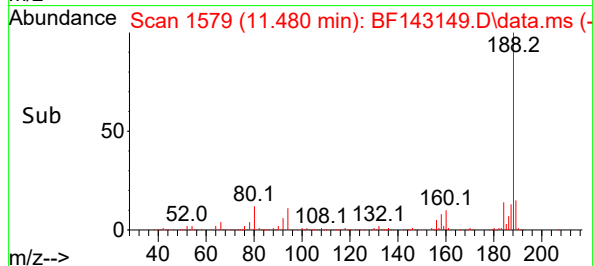
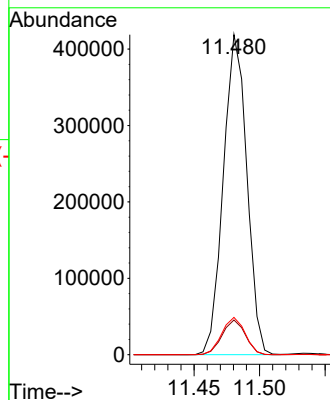
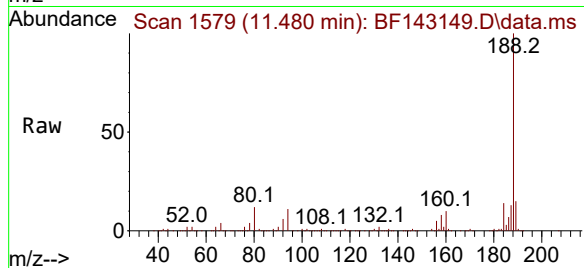
Tgt Ion:188 Resp: 522570

Ion Ratio Lower Upper

188 100

94 10.8 8.3 12.5

80 11.7 9.0 13.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.115 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF143149.D

Acq: 17 Jul 2025 15:36

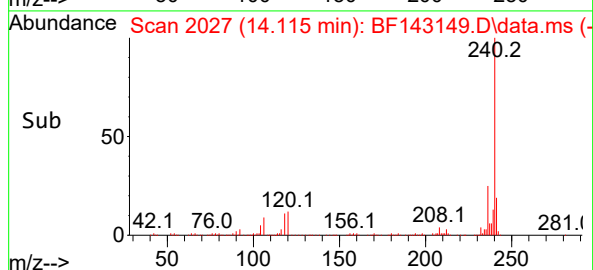
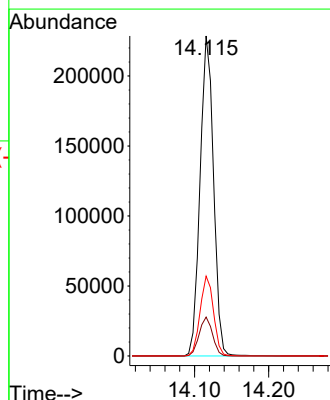
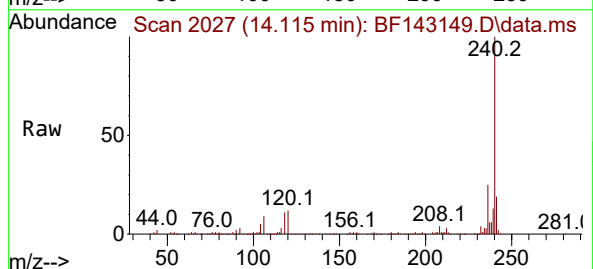
Tgt Ion:240 Resp: 289033

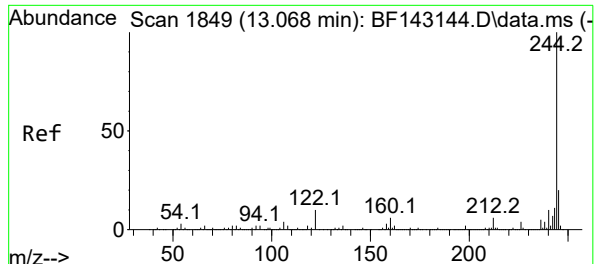
Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

236 25.0 20.2 30.4





#79

Terphenyl-d14

Concen: 81.938 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143149.D

Acq: 17 Jul 2025 15:36

Instrument :

BNA_F

ClientSampleId :

PB168813BL

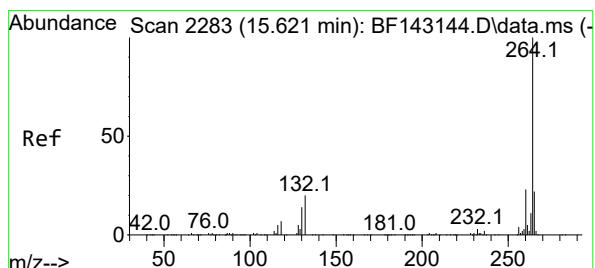
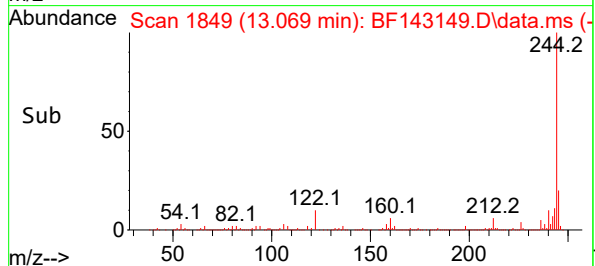
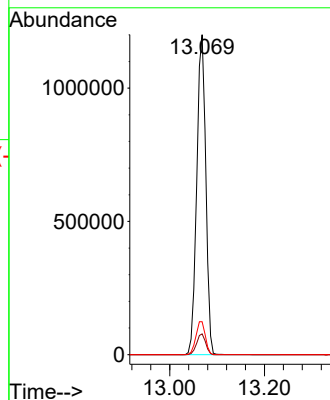
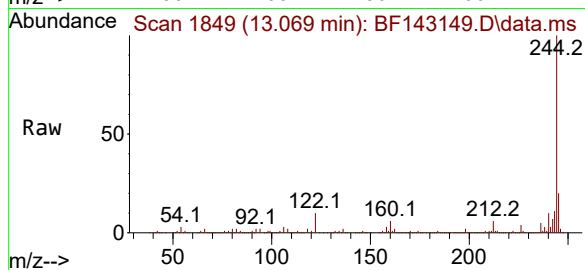
Tgt Ion:244 Resp: 1591473

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 10.3 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF143149.D

Acq: 17 Jul 2025 15:36

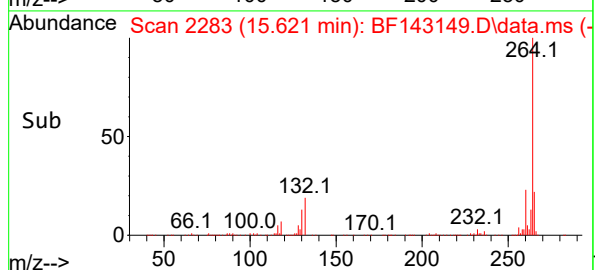
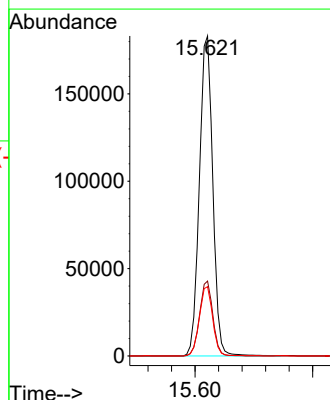
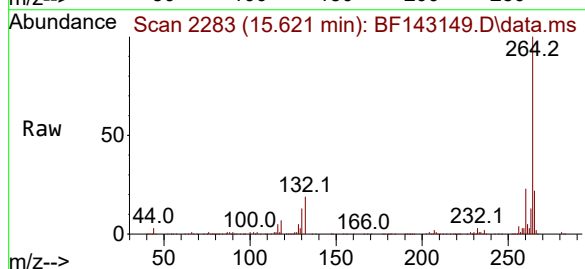
Tgt Ion:264 Resp: 289854

Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 21.6 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143149.D
 Acq On : 17 Jul 2025 15:36
 Operator : RC/JU
 Sample : PB168813BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168813BL

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-BF071725.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143149.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.399	23	35	43	rVB	34960	67762	1.41%	0.231%
2	5.216	507	514	523	rBV	285749	450759	9.37%	1.538%
3	5.598	572	579	584	rBV	2841440	3992891	83.01%	13.621%
4	6.581	738	746	751	rBV	2680115	4037163	83.93%	13.772%
5	6.963	805	811	816	rVB	700795	888720	18.48%	3.032%
6	7.516	898	905	910	rBV	1920789	2719957	56.55%	9.279%
7	8.239	1022	1028	1033	rBV	932061	1180355	24.54%	4.027%
8	9.316	1204	1211	1216	rBV	3605039	4810045	100.00%	16.409%
9	9.998	1321	1327	1332	rBV	1007703	1298417	26.99%	4.429%
10	10.780	1454	1460	1466	rBV	2075395	2781279	57.82%	9.488%
11	11.480	1574	1579	1584	rBV	1048991	1308573	27.21%	4.464%
12	13.069	1843	1849	1854	rBV	3154252	4213005	87.59%	14.372%
13	14.115	2022	2027	2037	rBV	619559	779342	16.20%	2.659%
14	15.621	2276	2283	2288	rBV	491046	785017	16.32%	2.678%

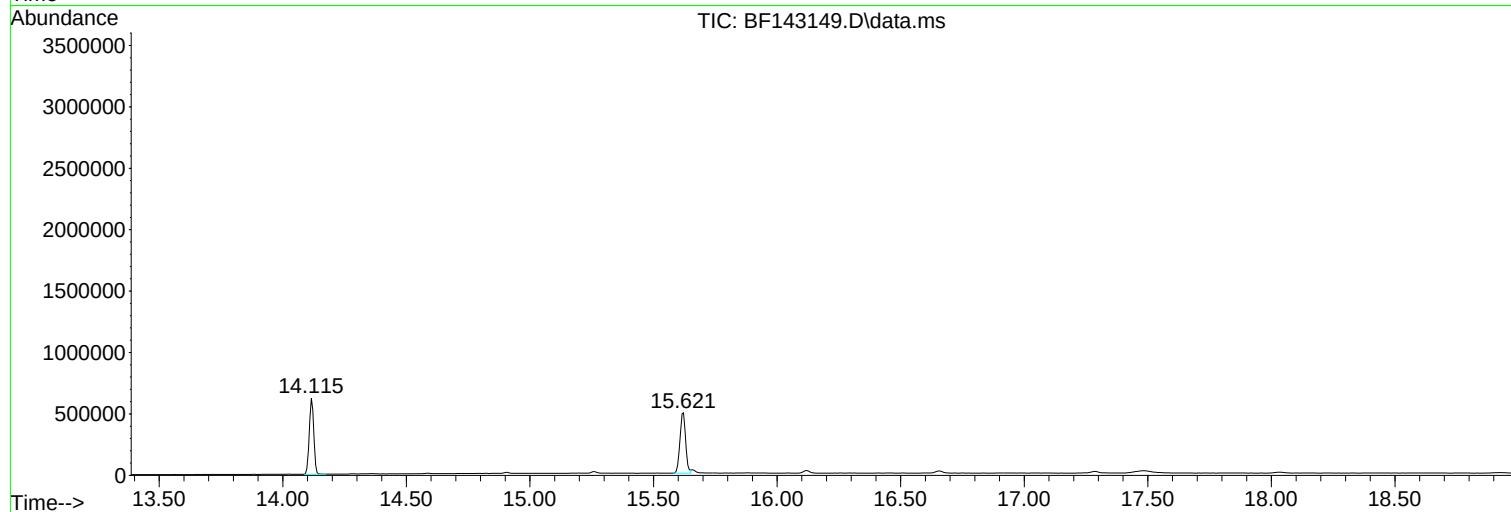
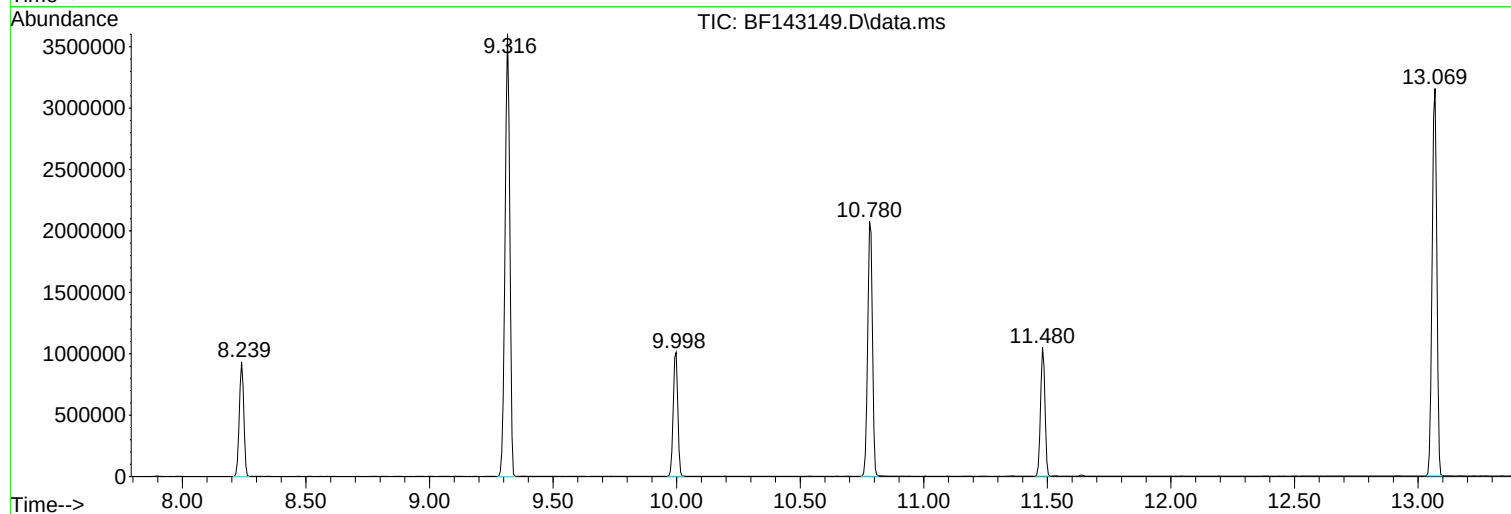
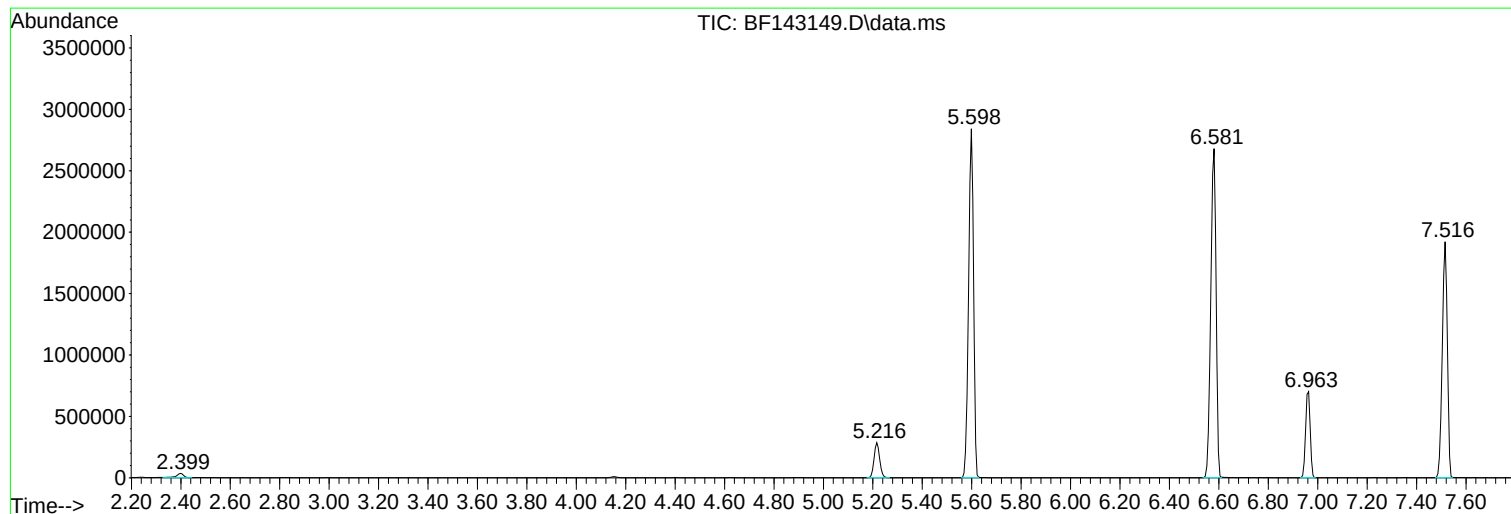
Sum of corrected areas: 29313285

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143149.D
Acq On : 17 Jul 2025 15:36
Operator : RC/JU
Sample : PB168813BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF071725\
Data File : BF143149.D
Acq On : 17 Jul 2025 15:36
Operator : RC/JU
Sample : PB168813BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF071725\
Data File : BF143149.D
Acq On : 17 Jul 2025 15:36
Operator : RC/JU
Sample : PB168813BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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
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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168813BS	SDG No.:	Q2558
Lab Sample ID:	PB168813BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOCMS Group3
		Final Vol:	1000
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143179.D	1	07/11/25 09:50	07/22/25 09:44	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.50		0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	1.50		0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	1.50		0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	1.60		0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	1.50		0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	1.50		0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	1.50		0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	1.60		0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	1.80		0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	1.50		0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.60		0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.50		0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.50		0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.50		0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.50		0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.60		0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	81.7		37 - 122		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		44 - 115		74%	SPK: 100
1718-51-0	Terphenyl-d14	89.3		54 - 127		89%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	149000		6.963			
1146-65-2	Naphthalene-d8	576000		8.245			
15067-26-2	Acenaphthene-d10	308000		10.004			
1517-22-2	Phenanthrene-d10	540000		11.492			
1719-03-5	Chrysene-d12	276000		14.127			
1520-96-3	Perylene-d12	279000		15.633			

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168813BS	SDG No.:	Q2558
Lab Sample ID:	PB168813BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143179.D	1	07/11/25 09:50	07/22/25 09:44	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143179.D
 Acq On : 22 Jul 2025 09:44
 Operator : RC/JU
 Sample : PB168813BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168813BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

Quant Time: Jul 22 11:14:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	148818	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	576425	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	308303	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	540032	20.000	ng	0.00
76) Chrysene-d12	14.127	240	276421	20.000	ng	0.00
86) Perylene-d12	15.633	264	278917	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	1067004	113.460	ng	0.02
7) Phenol-d6	6.593	99	1361825	115.049	ng	0.00
23) Nitrobenzene-d5	7.522	82	944398	81.668	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	419377	131.675	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1670652	74.110	ng	0.00
79) Terphenyl-d14	13.075	244	1659178	89.322	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.934	88	161464	36.285	ng	99
3) Pyridine	3.675	79	446109	38.625	ng	99
4) n-Nitrosodimethylamine	3.622	42	262477	44.016	ng	100
6) Aniline	6.622	93	556846	33.754	ng	96
8) 2-Chlorophenol	6.751	128	439078	44.542	ng	98
9) Benzaldehyde	6.510	77	304356	34.290	ng	98
10) Phenol	6.604	94	576816	44.731	ng	94
11) bis(2-Chloroethyl)ether	6.693	93	430148	43.567	ng	100
12) 1,3-Dichlorobenzene	6.910	146	456124	42.595	ng	99
13) 1,4-Dichlorobenzene	6.981	146	460379	42.691	ng	100
14) 1,2-Dichlorobenzene	7.134	146	447172	43.597	ng	99
15) Benzyl Alcohol	7.098	79	412922	45.687	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	811805	44.324	ng	99
17) 2-Methylphenol	7.210	107	370529	44.705	ng	100
18) Hexachloroethane	7.481	117	165860	44.428	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	331784	43.689	ng	99
20) 3+4-Methylphenols	7.363	107	444798	44.232	ng	# 83
22) Acetophenone	7.369	105	597065	43.751	ng	97
24) Nitrobenzene	7.540	77	487538	45.221	ng	99
25) Isophorone	7.781	82	924505	45.288	ng	99
26) 2-Nitrophenol	7.857	139	233949	50.000	ng	99
27) 2,4-Dimethylphenol	7.893	122	432302	45.326	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	546978	44.689	ng	100
29) 2,4-Dichlorophenol	8.098	162	367314	45.667	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	382623	44.032	ng	100
31) Naphthalene	8.269	128	1254290	44.183	ng	100
32) Benzoic acid	8.010	122	275604	50.943	ng	98
33) 4-Chloroaniline	8.304	127	196806	16.978	ng	99
34) Hexachlorobutadiene	8.387	225	232563	43.811	ng	99
35) Caprolactam	8.681	113	129786m	53.398	ng	
36) 4-Chloro-3-methylphenol	8.787	107	413921	47.346	ng	100
37) 2-Methylnaphthalene	8.957	142	773479	44.775	ng	100
38) 1-Methylnaphthalene	9.057	142	795535	44.722	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	372068	41.800	ng	99
41) Hexachlorocyclopentadiene	9.116	237	507942	87.703	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	273909	44.464	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143179.D
 Acq On : 22 Jul 2025 09:44
 Operator : RC/JU
 Sample : PB168813BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168813BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

Quant Time: Jul 22 11:14:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	284651	46.193	ng	99
46) 1,1'-Biphenyl	9.422	154	1046849	43.521	ng	99
47) 2-Chloronaphthalene	9.451	162	765933	43.035	ng	99
48) 2-Nitroaniline	9.534	65	277706	49.756	ng	97
49) Acenaphthylene	9.869	152	1311787	43.980	ng	100
50) Dimethylphthalate	9.722	163	934025	46.478	ng	99
51) 2,6-Dinitrotoluene	9.781	165	204978	50.140	ng	98
52) Acenaphthene	10.039	154	858201	48.681	ng	97
53) 3-Nitroaniline	9.945	138	157455	32.928	ng	98
54) 2,4-Dinitrophenol	10.051	184	204107	107.647	ng	# 1
55) Dibenzofuran	10.210	168	1154840	44.122	ng	100
56) 4-Nitrophenol	10.104	139	364810	102.167	ng	98
57) 2,4-Dinitrotoluene	10.186	165	273950	53.412	ng	97
58) Fluorene	10.551	166	889443	45.279	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	247005	48.390	ng	99
60) Diethylphthalate	10.422	149	954021	48.030	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	437991	44.778	ng	98
62) 4-Nitroaniline	10.563	138	217627	53.103	ng	100
63) Azobenzene	10.704	77	968287	46.773	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	134879	47.684	ng	98
66) n-Nitrosodiphenylamine	10.663	169	809593	42.574	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	278455	43.267	ng	99
68) Hexachlorobenzene	11.104	284	292998	43.557	ng	98
69) Atrazine	11.181	200	257256	49.071	ng	99
70) Pentachlorophenol	11.292	266	369820	93.487	ng	99
71) Phenanthrene	11.516	178	1261416	43.992	ng	100
72) Anthracene	11.569	178	1274603	43.585	ng	100
73) Carbazole	11.716	167	1167519	45.721	ng	100
74) Di-n-butylphthalate	12.045	149	1413258	48.912	ng	100
75) Fluoranthene	12.704	202	1272502	48.349	ng	100
77) Benzidine	12.816	184	484143	45.460	ng	99
78) Pyrene	12.933	202	1245151	52.781	ng	99
80) Butylbenzylphthalate	13.545	149	419591	58.084	ng	98
81) Benzo(a)anthracene	14.116	228	834348	45.084	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	150923	24.469	ng	100
83) Chrysene	14.157	228	773845	46.508	ng	99
84) Bis(2-ethylhexyl)phtha...	14.104	149	542125	49.581	ng	100
85) Di-n-octyl phthalate	14.721	149	872909	44.043	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	901700	45.847	ng	99
88) Benzo(b)fluoranthene	15.186	252	805003	47.244	ng	99
89) Benzo(k)fluoranthene	15.216	252	670629	44.106	ng	99
90) Benzo(a)pyrene	15.568	252	726542	46.279	ng	100
91) Dibenzo(a,h)anthracene	17.192	278	727463	45.444	ng	99
92) Benzo(g,h,i)perylene	17.645	276	723992	46.754	ng	99

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

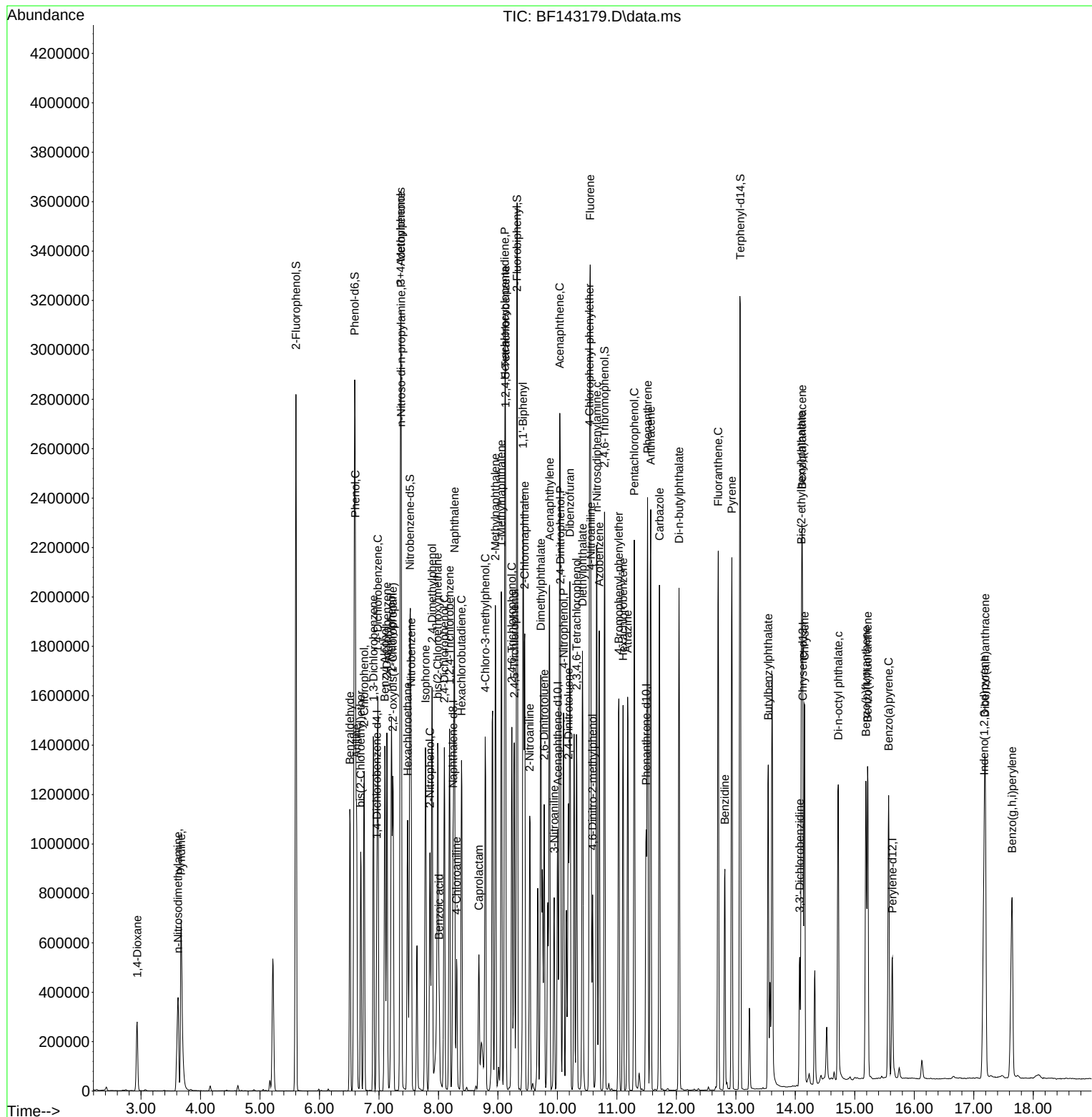
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 Data File : BF143179.D
 Acq On : 22 Jul 2025 09:44
 Operator : RC/JU
 Sample : PB168813BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

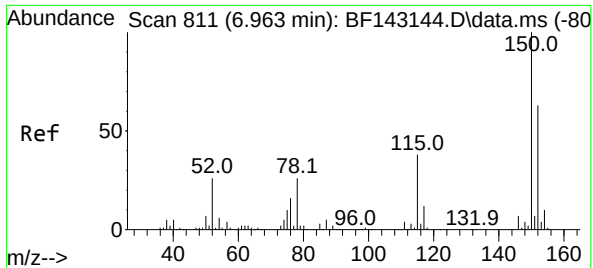
Instrument :
 BNA_F
 ClientSampleId :
 PB168813BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

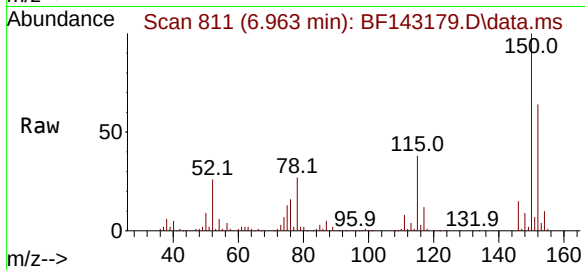
Quant Time: Jul 22 11:14:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

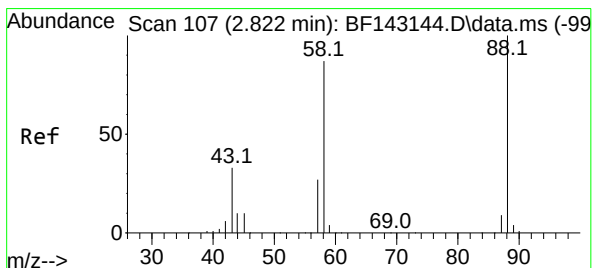
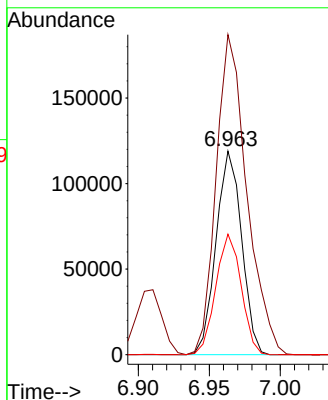
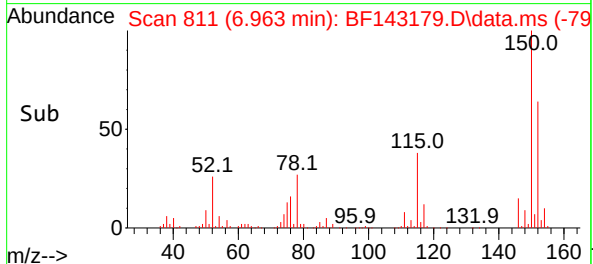
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:152 Resp: 148818
Ion Ratio Lower Upper
152 100
150 157.2 128.2 192.4
115 59.2 47.9 71.9

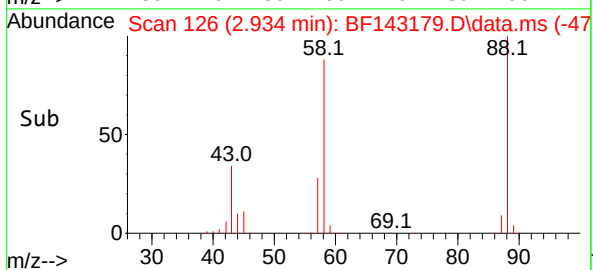
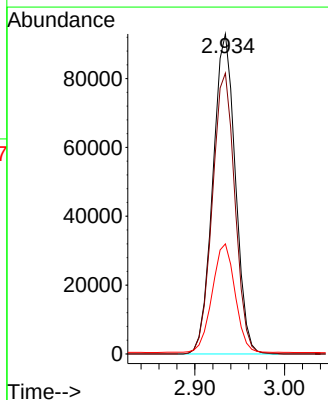
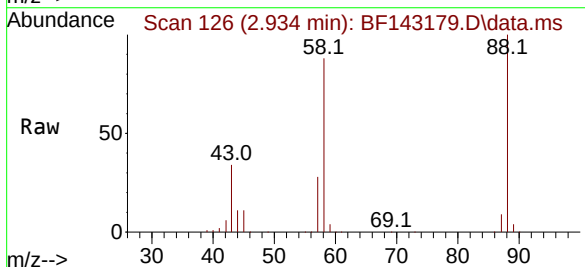
Manual Integrations
APPROVED

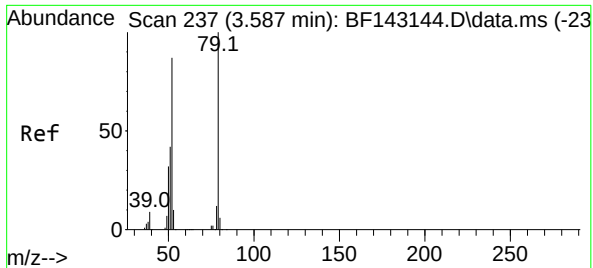
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#2
1,4-Dioxane
Concen: 36.285 ng
RT: 2.934 min Scan# 126
Delta R.T. 0.112 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

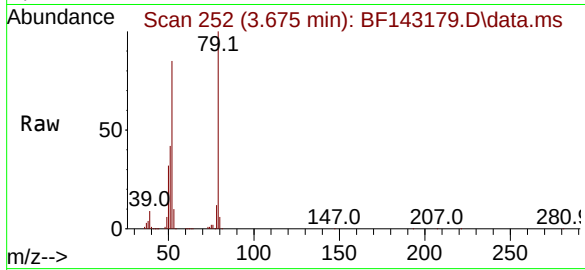
Tgt Ion: 88 Resp: 161464
Ion Ratio Lower Upper
88 100
58 88.2 70.2 105.2
43 35.0 27.1 40.7





#3
Pyridine
Concen: 38.625 ng
RT: 3.675 min Scan# 241
Delta R.T. 0.088 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

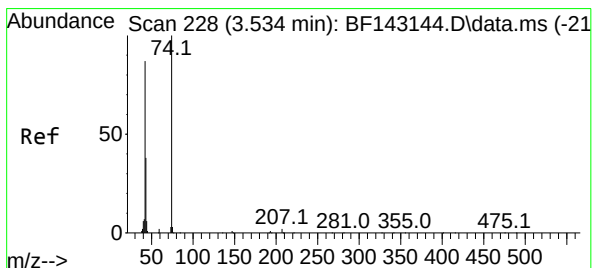
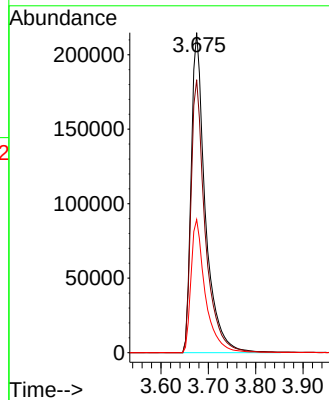
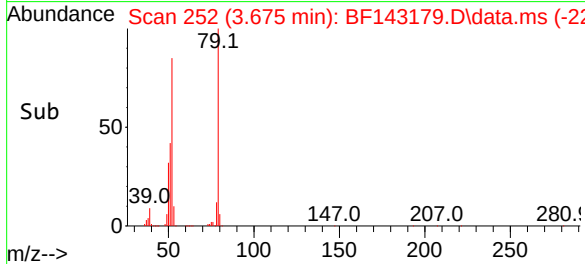
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion: 79 Resp: 446109
Ion Ratio Lower Upper
79 100
52 85.3 69.4 104.2
51 41.6 33.5 50.3

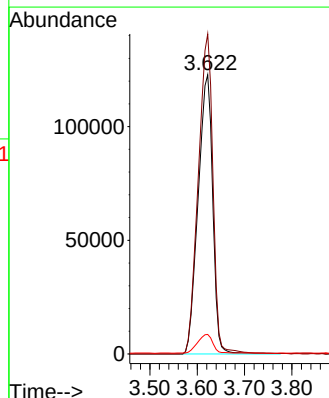
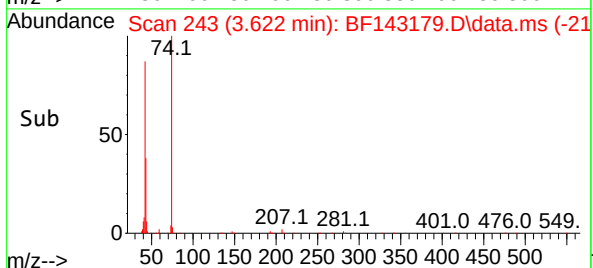
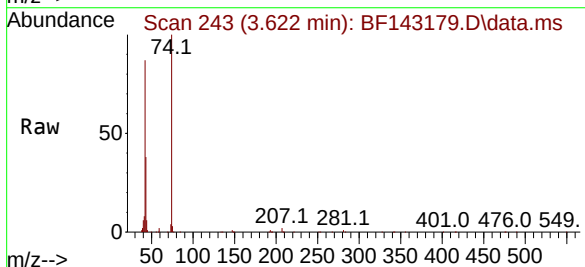
Manual Integrations
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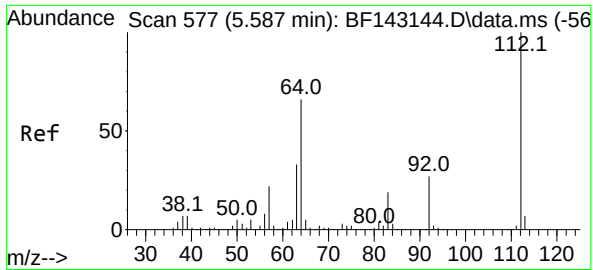
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#4
n-Nitrosodimethylamine
Concen: 44.016 ng
RT: 3.622 min Scan# 243
Delta R.T. 0.088 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 42 Resp: 262477
Ion Ratio Lower Upper
42 100
74 114.6 91.7 137.5
44 7.0 5.6 8.4





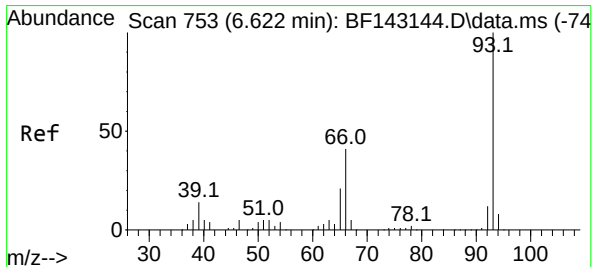
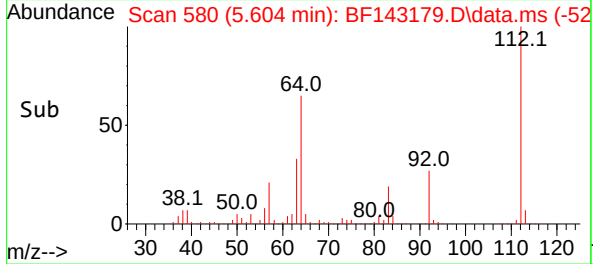
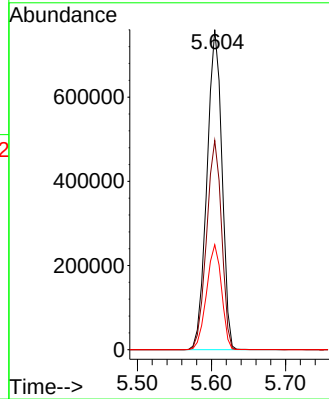
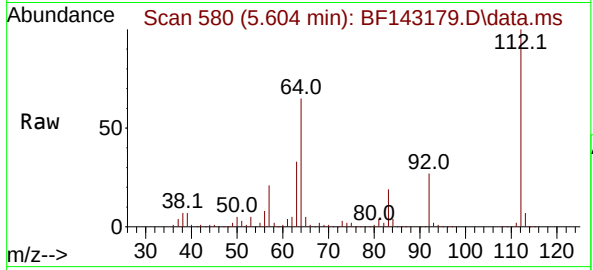
#5
2-Fluorophenol
Concen: 113.460 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:112 Resp: 1067004
Ion Ratio Lower Upper
112 100
64 65.4 53.1 79.7
63 32.8 26.6 40.0

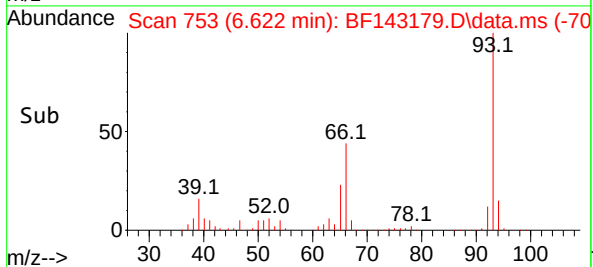
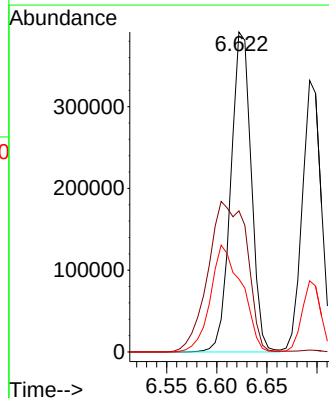
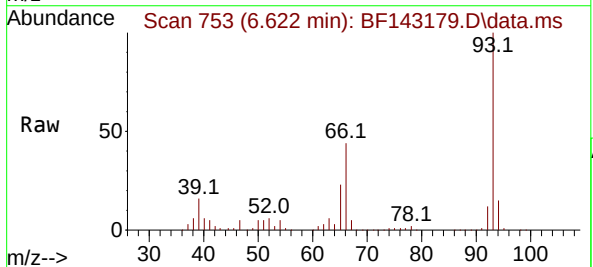
Manual Integrations
APPROVED

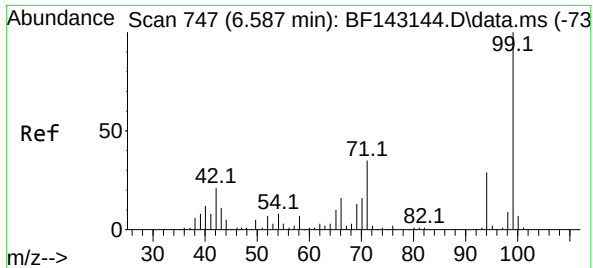
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#6
Aniline
Concen: 33.754 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 93 Resp: 556846
Ion Ratio Lower Upper
93 100
66 44.1 33.2 49.8
65 22.8 16.9 25.3





#7

Phenol-d6

Concen: 115.049 ng

RT: 6.593 min Scan# 747

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion: 99 Resp: 136182

Ion Ratio Lower Upper

99 100

42 21.5 17.0 25.6

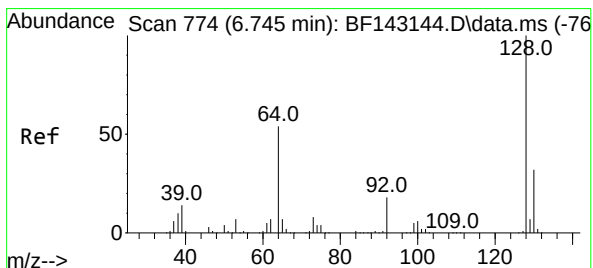
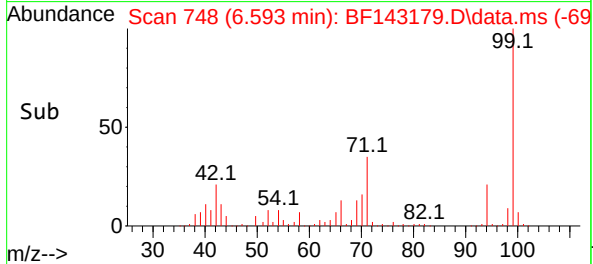
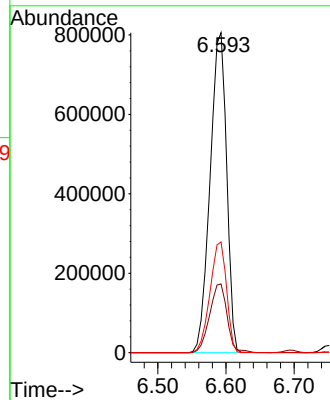
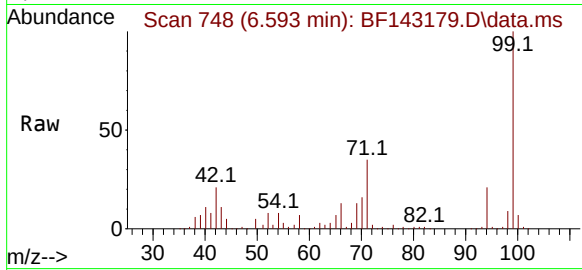
71 34.6 27.7 41.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#8

2-Chlorophenol

Concen: 44.542 ng

RT: 6.751 min Scan# 775

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

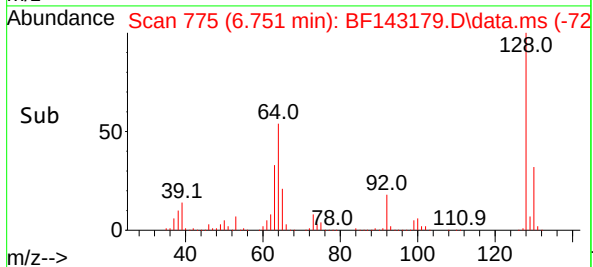
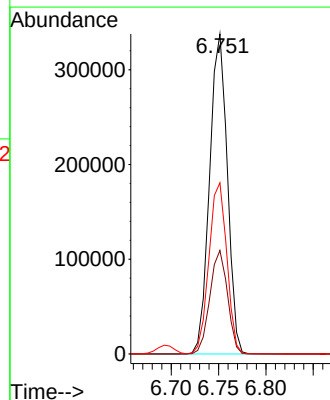
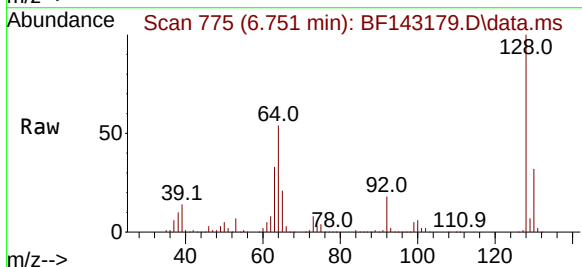
Tgt Ion:128 Resp: 439078

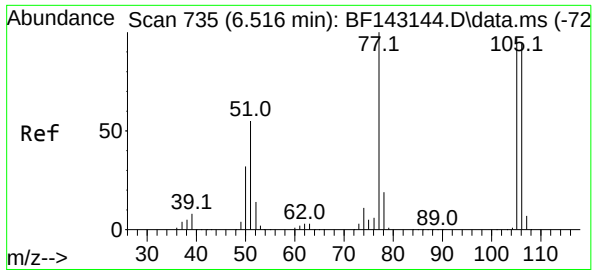
Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

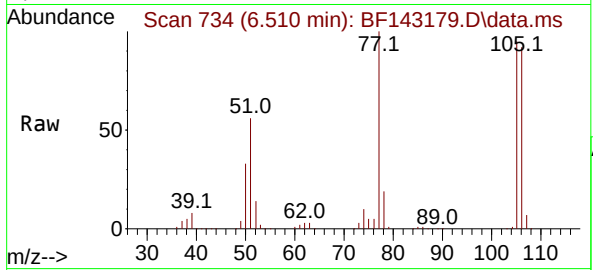
64 53.5 35.9 75.9





#9
Benzaldehyde
Concen: 34.290 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

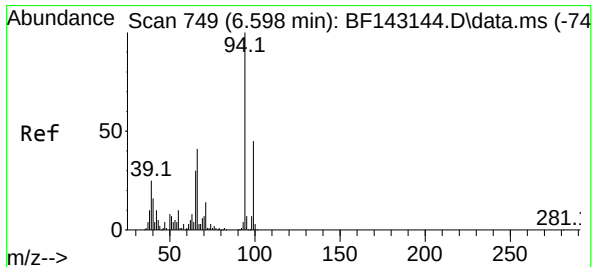
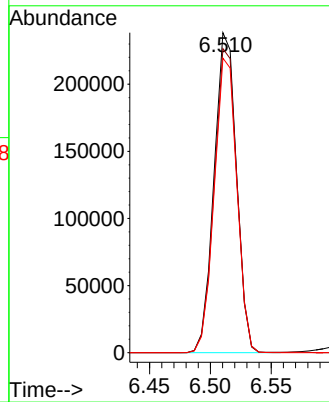
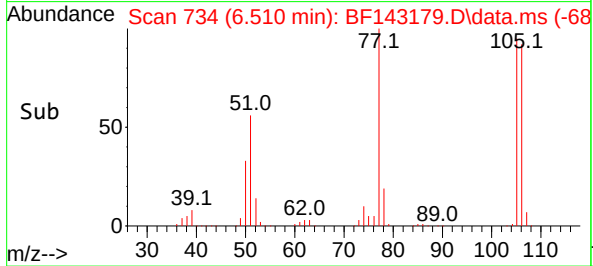
Instrument :
BNA_F
ClientSampleId :
PB168813BS



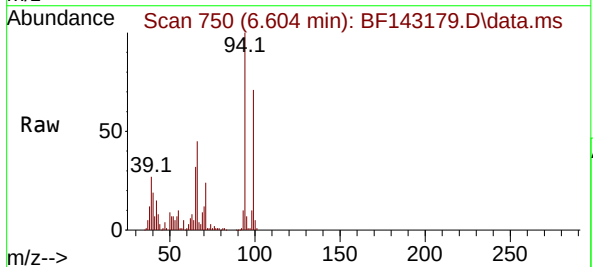
Tgt Ion: 77 Resp: 304350
Ion Ratio Lower Upper
77 100
105 95.0 76.8 116.8
106 92.1 74.4 114.4

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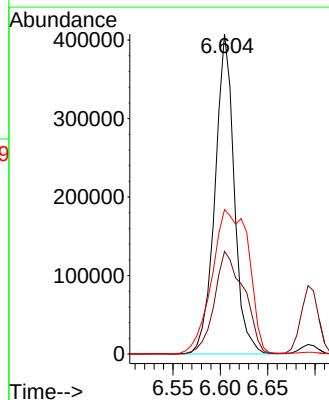
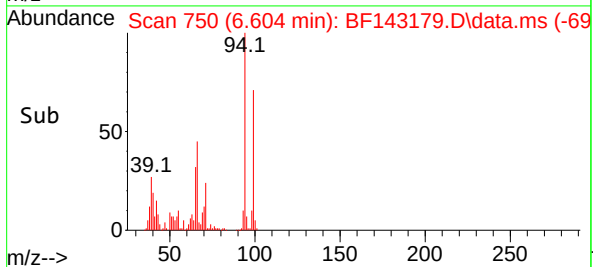
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

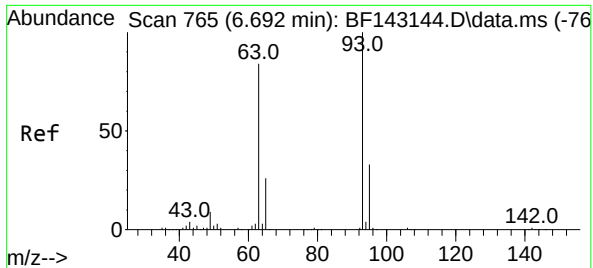


#10
Phenol
Concen: 44.731 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion: 94 Resp: 576816
Ion Ratio Lower Upper
94 100
65 32.0 10.0 50.0
66 45.1 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 43.567 ng

RT: 6.693 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion: 93 Resp: 43014

Ion Ratio Lower Upper

93 100

63 83.4 63.4 103.4

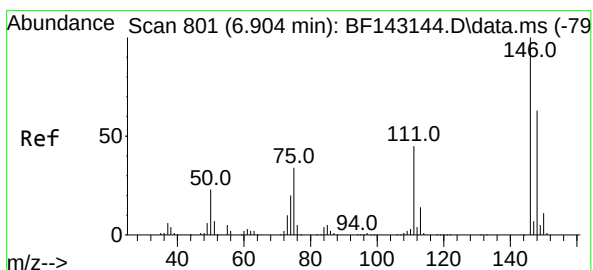
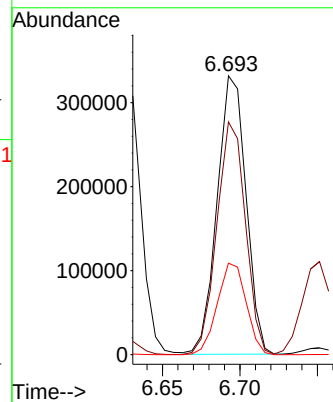
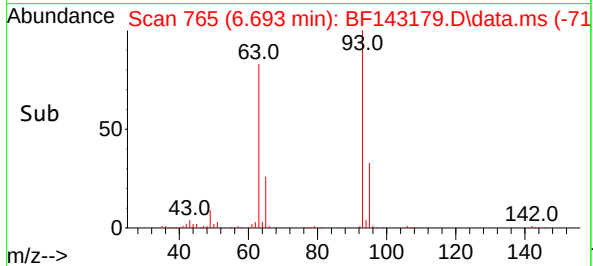
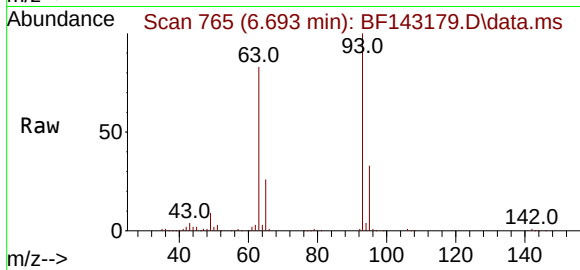
95 32.8 12.4 52.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#12

1,3-Dichlorobenzene

Concen: 42.595 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

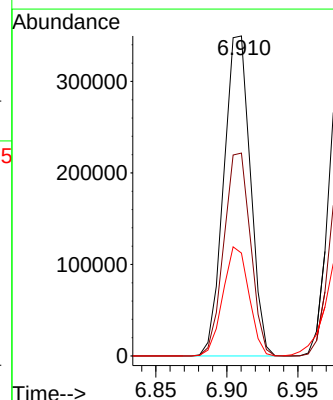
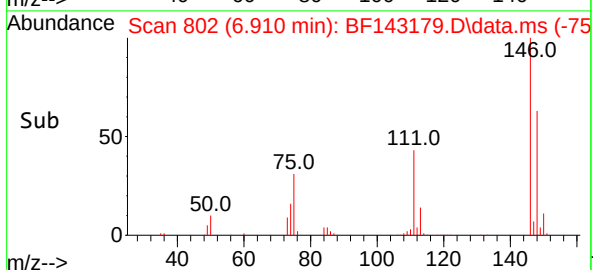
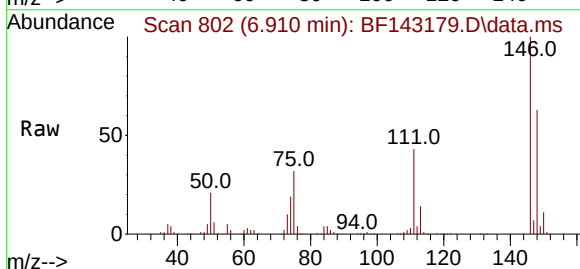
Tgt Ion:146 Resp: 456124

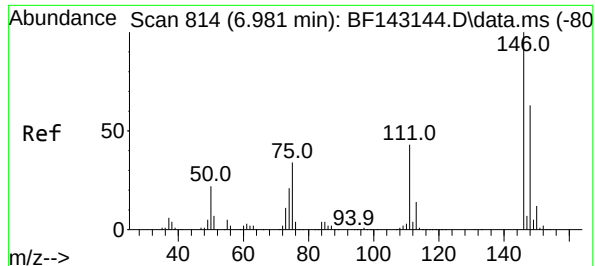
Ion Ratio Lower Upper

146 100

148 63.4 50.6 76.0

75 32.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 42.691 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:146 Resp: 460379

Ion Ratio Lower Upper

146 100

148 62.5 50.3 75.5

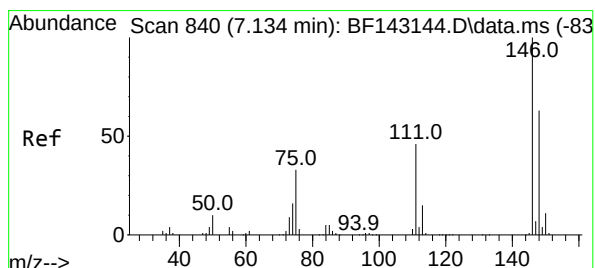
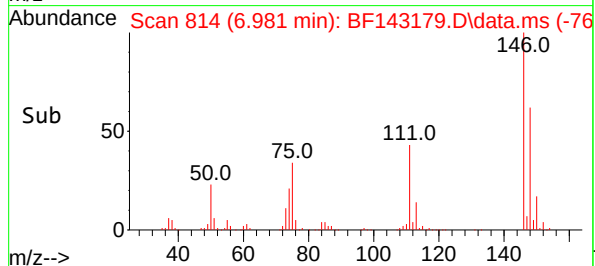
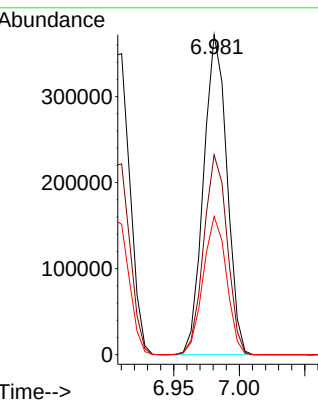
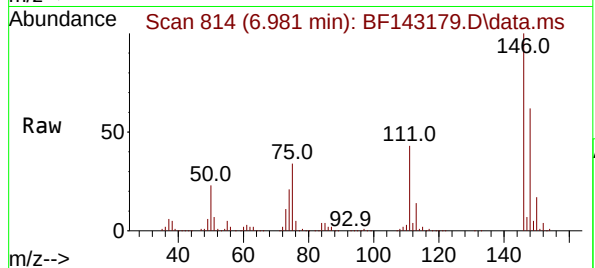
111 43.2 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#14

1,2-Dichlorobenzene

Concen: 43.597 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

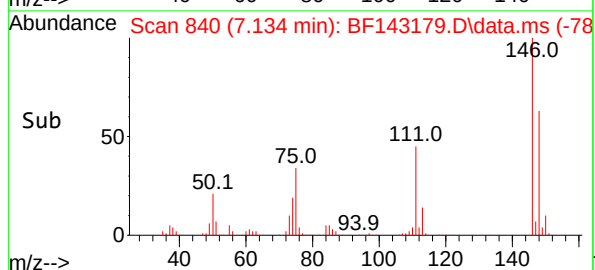
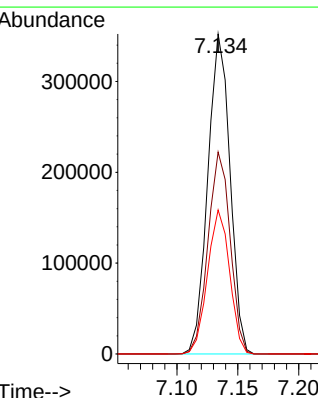
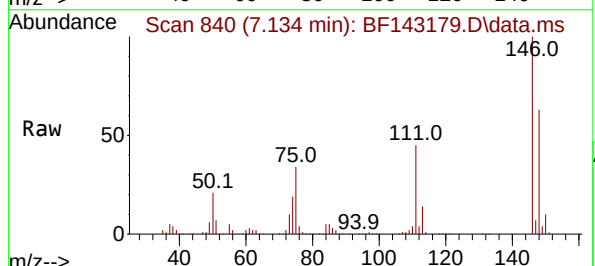
Tgt Ion:146 Resp: 447172

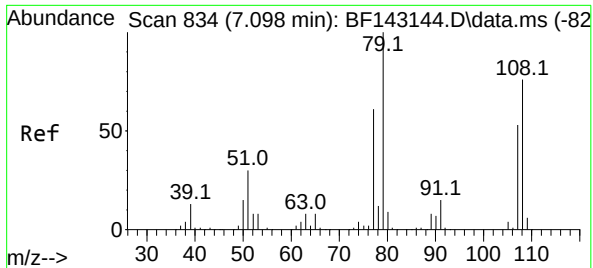
Ion Ratio Lower Upper

146 100

148 63.1 50.7 76.1

111 45.0 36.6 54.8





#15

Benzyl Alcohol

Concen: 45.687 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143179.D

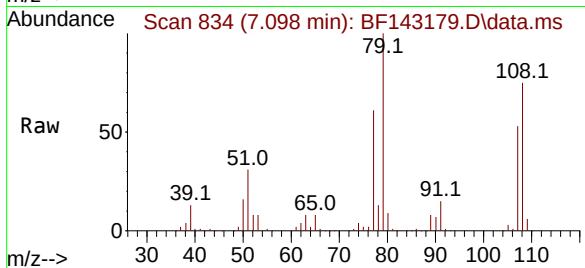
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



Tgt Ion: 79 Resp: 41292

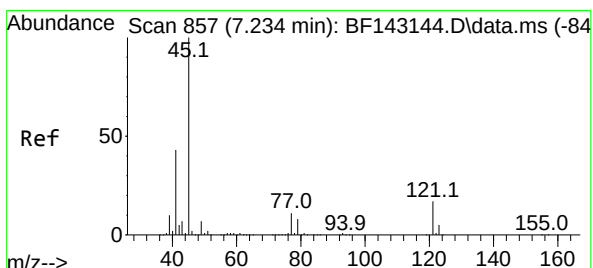
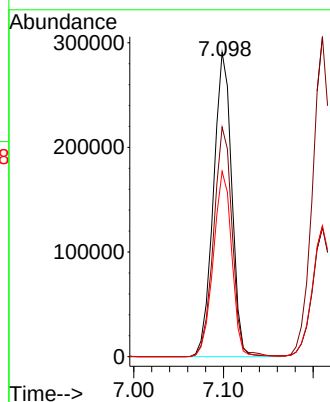
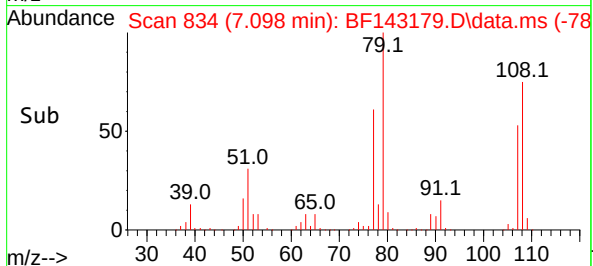
Ion	Ratio	Lower	Upper
79	100		
108	75.5	61.1	91.7
77	60.9	48.9	73.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#16

2,2'-oxybis(1-Chloropropane)

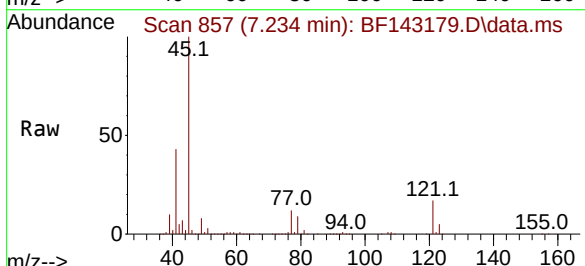
Concen: 44.324 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

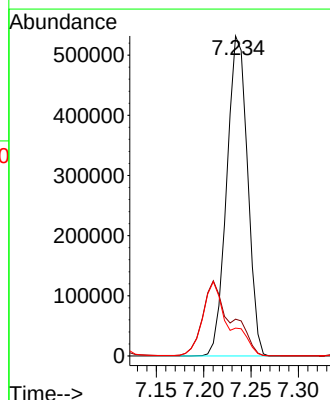
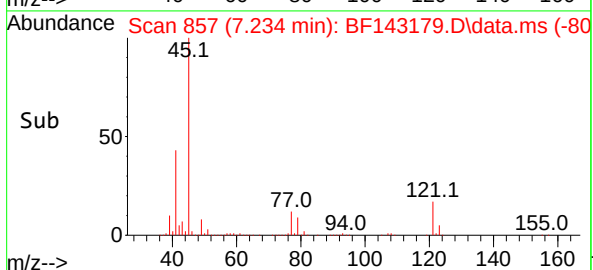
Lab File: BF143179.D

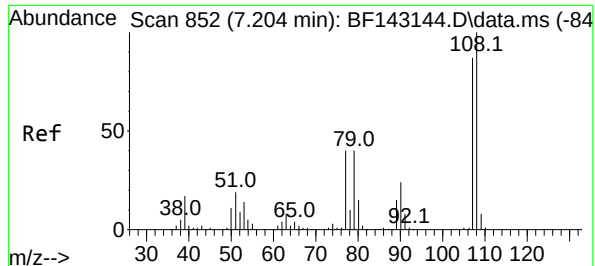
Acq: 22 Jul 2025 09:44



Tgt Ion: 45 Resp: 811805

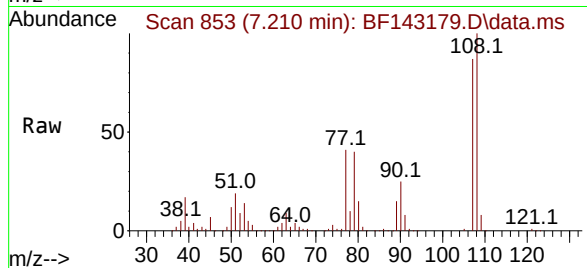
Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.2
79	8.7	0.0	28.5





#17
2-Methylphenol
Concen: 44.705 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

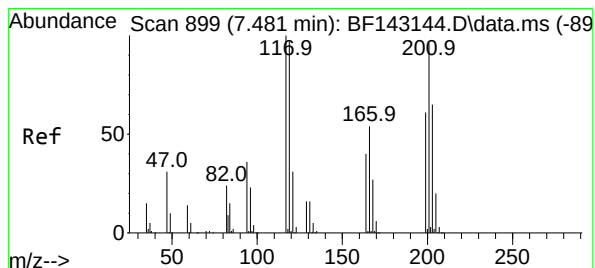
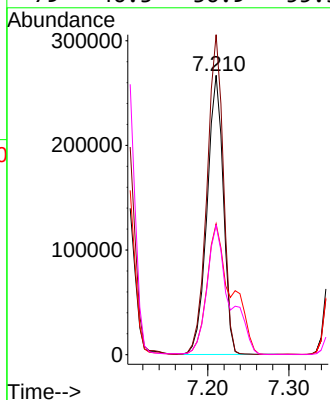
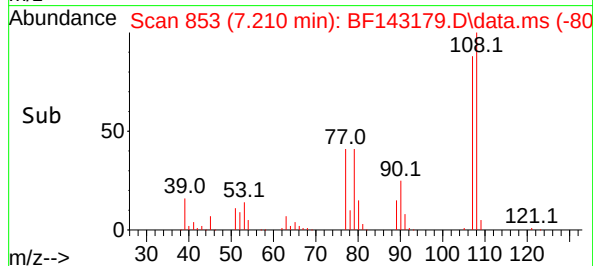
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:107 Resp: 370529
Ion Ratio Lower Upper
107 100
108 114.6 91.8 137.6
77 46.9 37.0 55.6
79 46.3 36.9 55.3

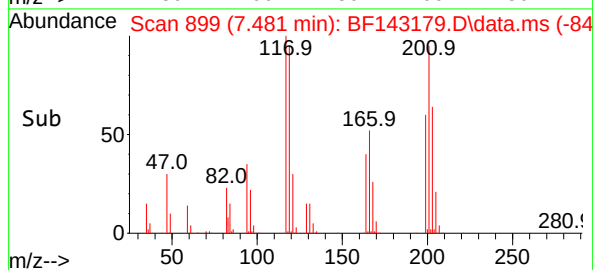
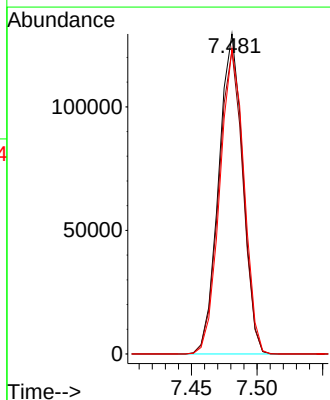
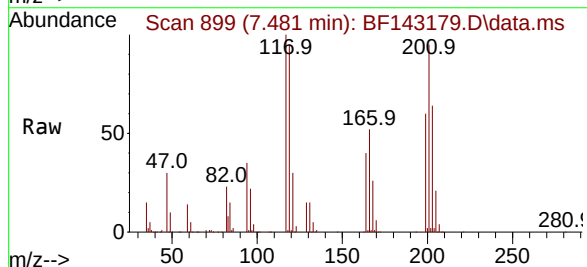
Manual Integrations
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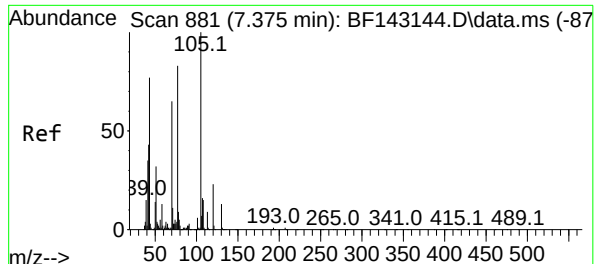
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#18
Hexachloroethane
Concen: 44.428 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:117 Resp: 165860
Ion Ratio Lower Upper
117 100
119 94.8 77.8 116.8
201 95.3 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 43.689 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143179.D

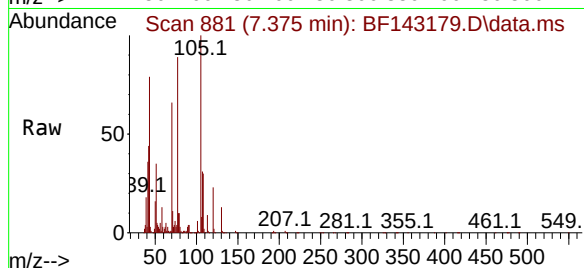
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



Tgt Ion: 70 Resp: 331784

Ion Ratio Lower Upper

70 100

42 66.3 52.5 78.7

101 9.7 7.6 11.4

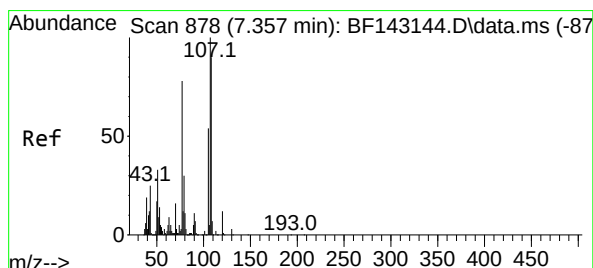
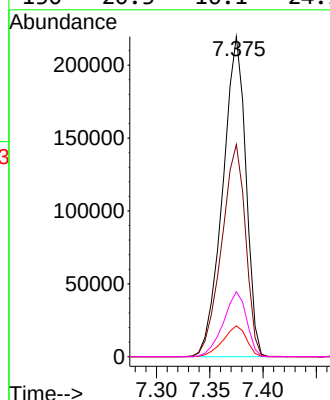
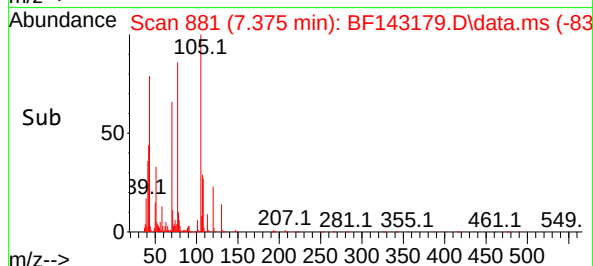
130 20.3 16.1 24.1

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#20

3+4-Methylphenols

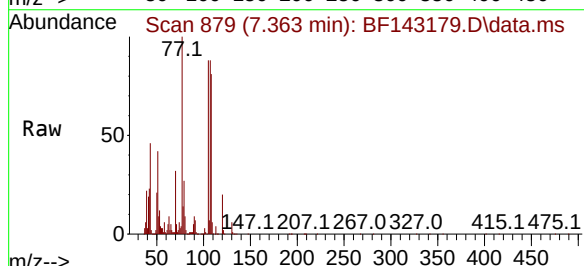
Concen: 44.232 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44



Tgt Ion:107 Resp: 444798

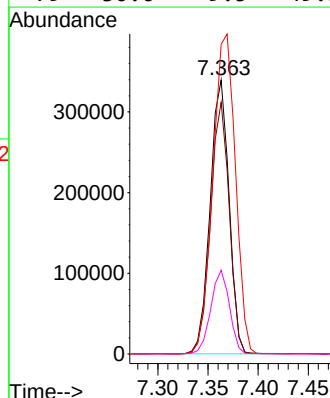
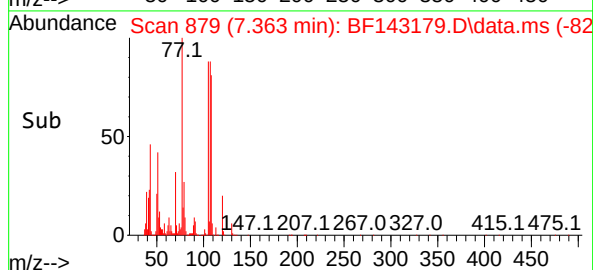
Ion Ratio Lower Upper

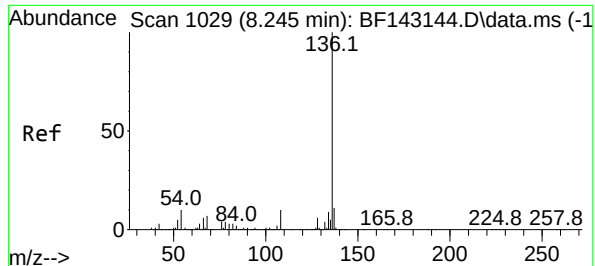
107 100

108 91.8 70.0 110.0

77 113.0 57.8 97.8#

79 30.6 9.5 49.5





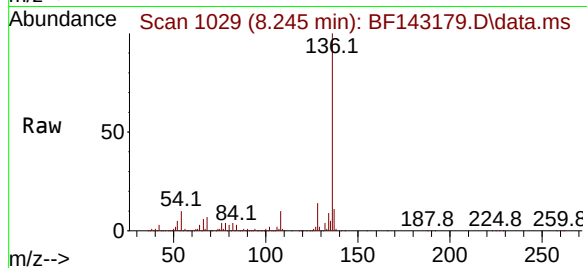
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



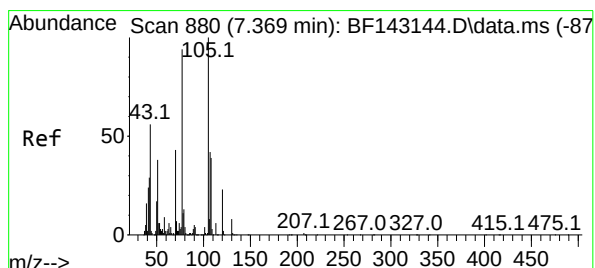
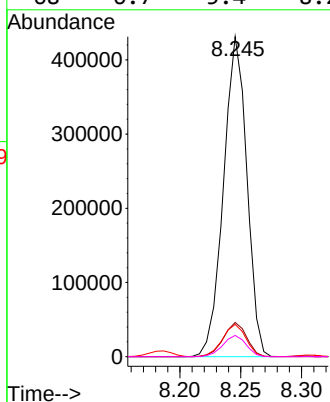
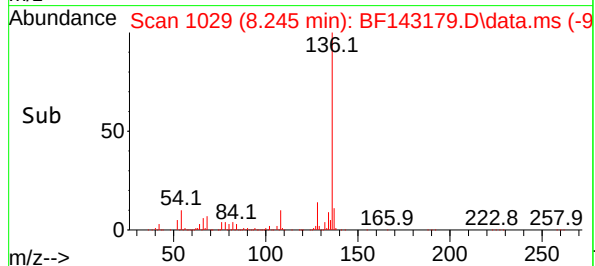
Tgt Ion:136 Resp: 576425
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 10.1 8.2 12.2
68 6.7 5.4 8.2

Manual Integrations

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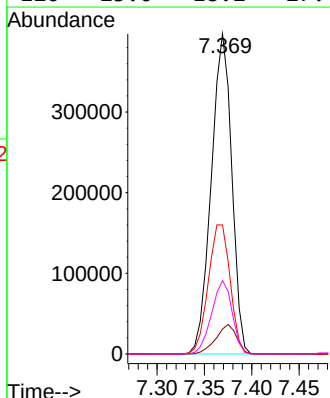
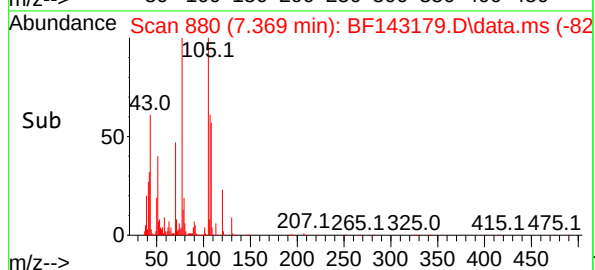
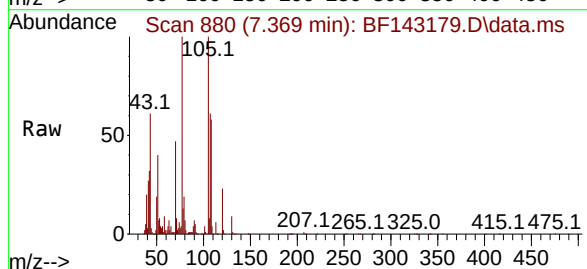
Reviewed By :Rahul Chavli 07/23/2025

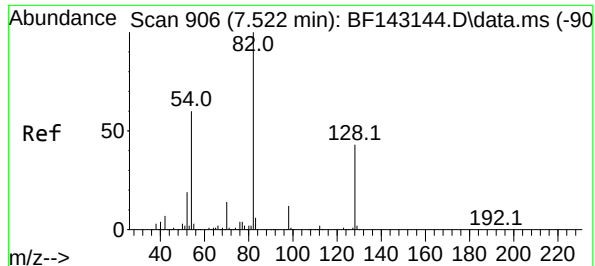
Supervised By :Jagrut Upadhyay 07/23/2025



#22
Acetophenone
Concen: 43.751 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:105 Resp: 597065
Ion Ratio Lower Upper
105 100
71 7.8 5.8 8.6
51 40.3 30.2 45.2
120 23.0 18.2 27.4





#23

Nitrobenzene-d5

Concen: 81.668 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion: 82 Resp: 944398

Ion Ratio Lower Upper

82 100

128 42.4 33.6 50.4

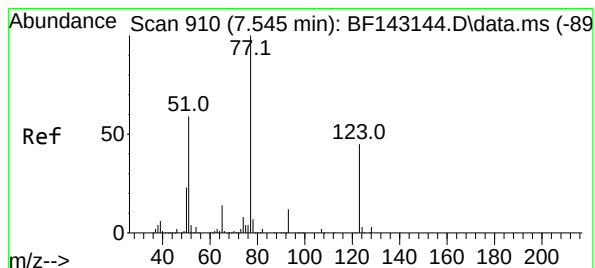
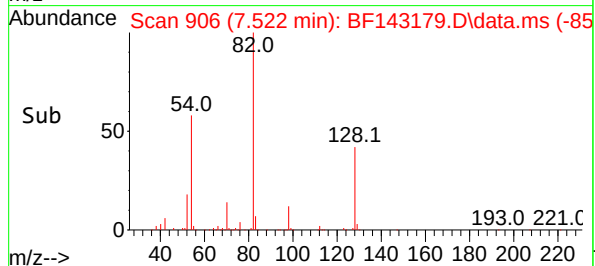
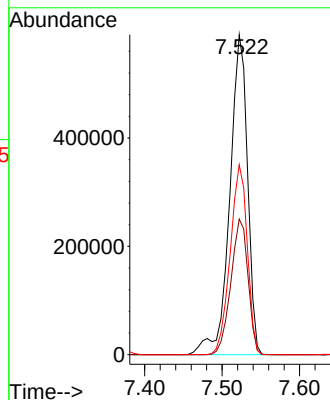
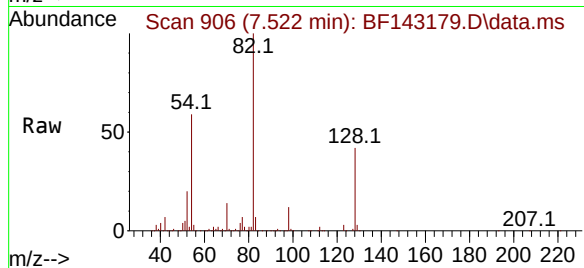
54 59.3 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#24

Nitrobenzene

Concen: 45.221 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

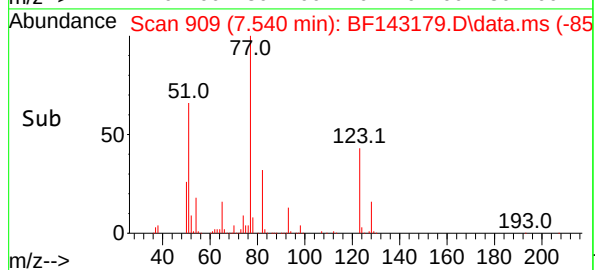
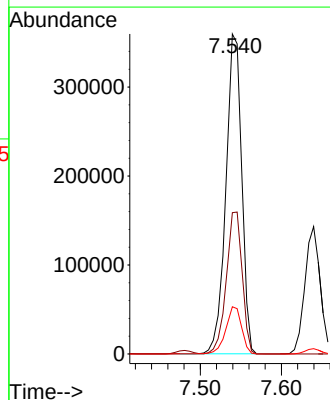
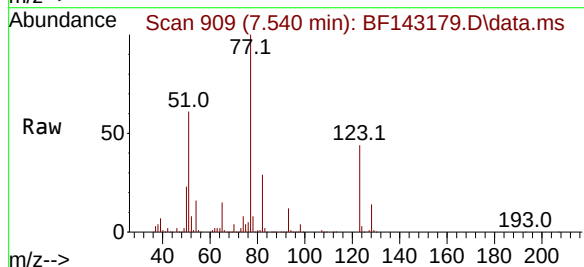
Tgt Ion: 77 Resp: 487538

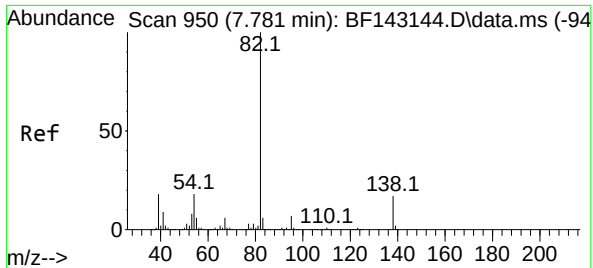
Ion Ratio Lower Upper

77 100

123 44.1 36.1 54.1

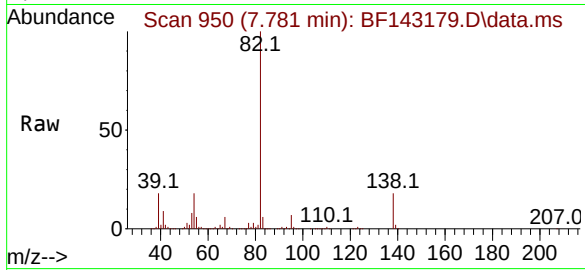
65 14.8 11.4 17.2





#25
Isophorone
Concen: 45.288 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

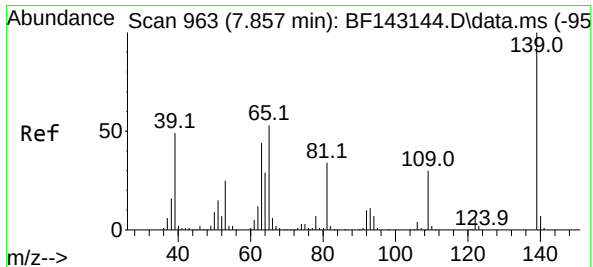
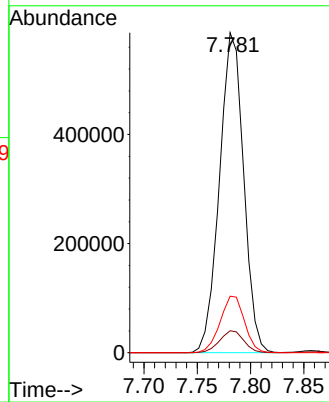
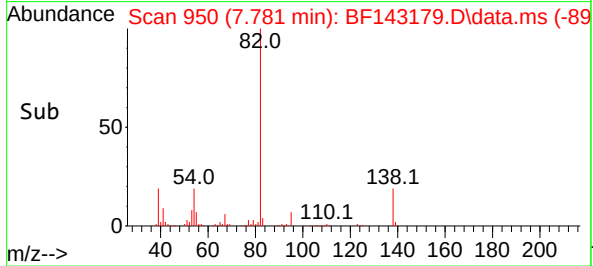
Instrument :
BNA_F
ClientSampleId :
PB168813BS



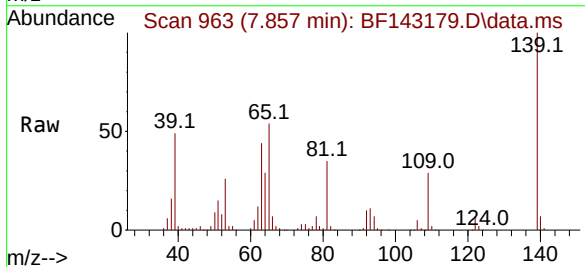
Tgt Ion: 82 Resp: 92450
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.7 13.8 20.8

Manual Integrations
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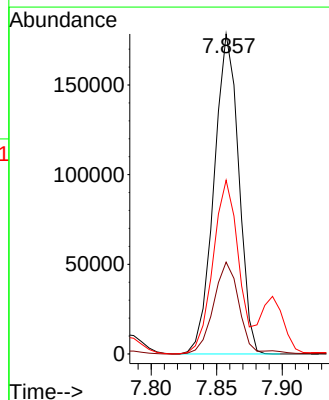
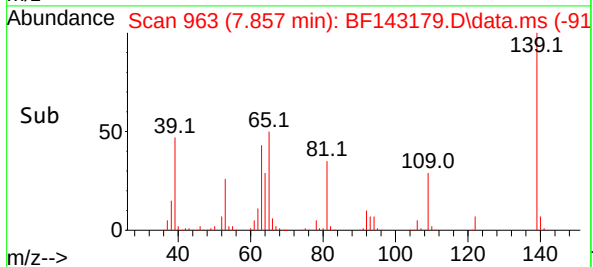
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

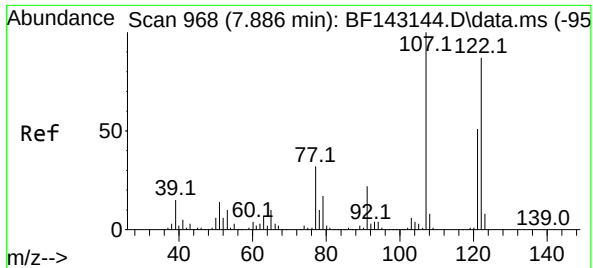


#26
2-Nitrophenol
Concen: 50.000 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion:139 Resp: 233949
Ion Ratio Lower Upper
139 100
109 28.7 23.6 35.4
65 54.3 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 45.326 ng

RT: 7.893 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:122 Resp: 43230

Ion Ratio Lower Upper

122 100

107 113.7 91.8 137.6

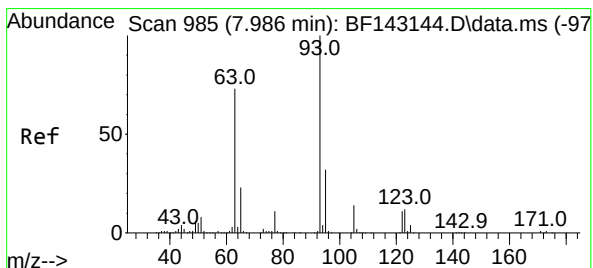
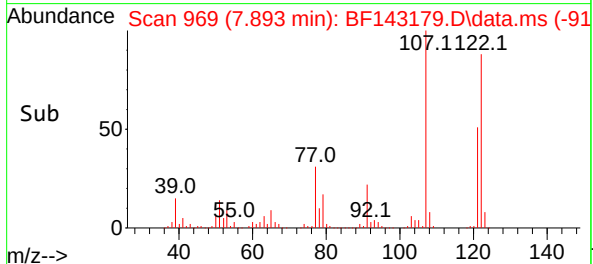
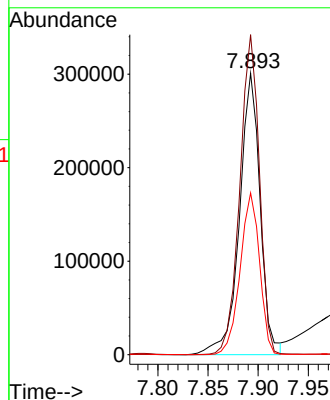
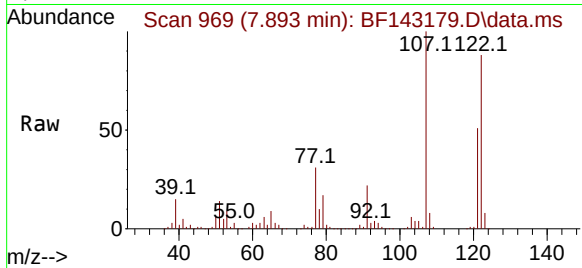
121 57.5 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#28

bis(2-Chloroethoxy)methane

Concen: 44.689 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

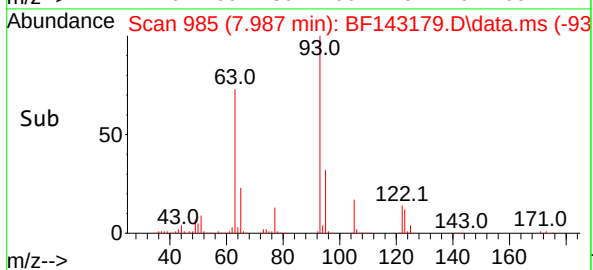
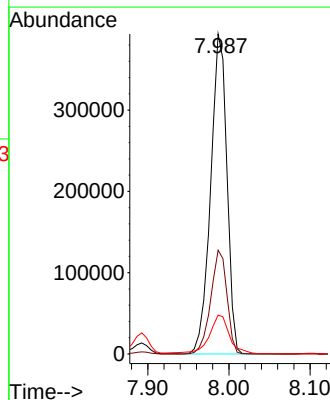
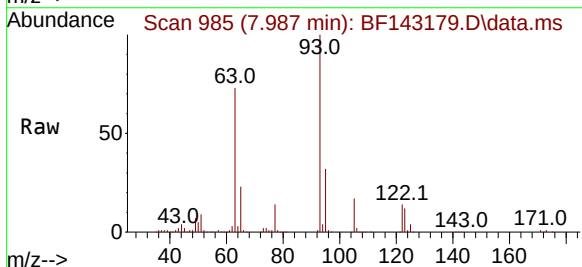
Tgt Ion: 93 Resp: 546978

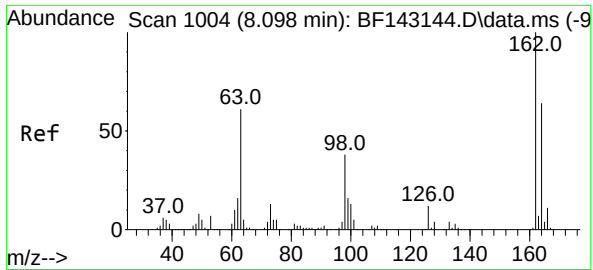
Ion Ratio Lower Upper

93 100

95 32.4 25.8 38.6

123 12.1 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 45.667 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:162 Resp: 367314

Ion Ratio Lower Upper

162 100

164 63.5 44.2 84.2

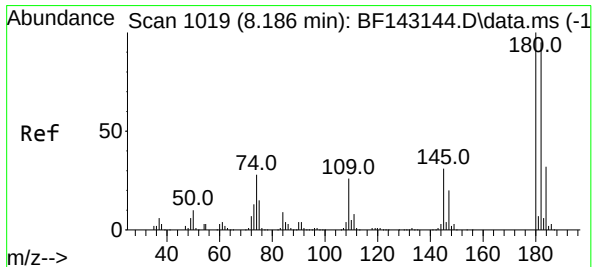
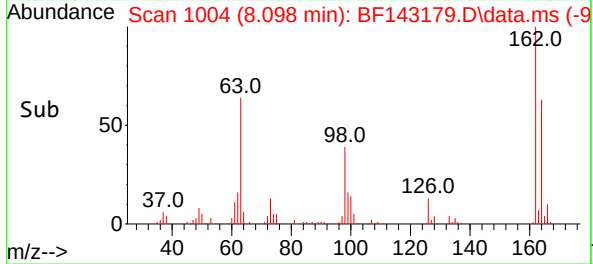
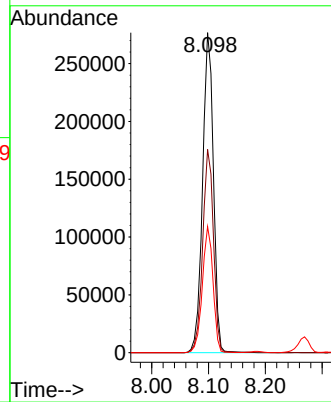
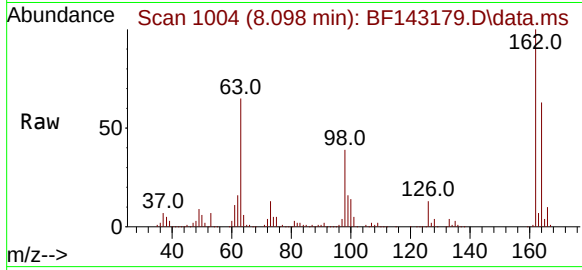
98 39.4 17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#30

1,2,4-Trichlorobenzene

Concen: 44.032 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

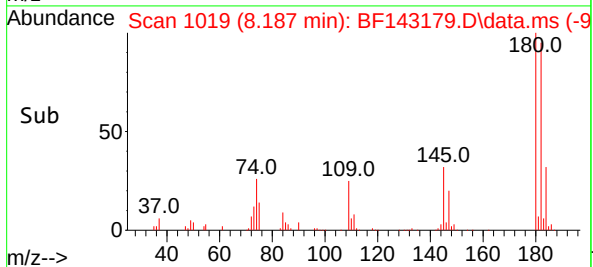
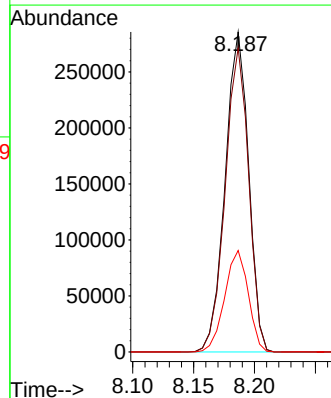
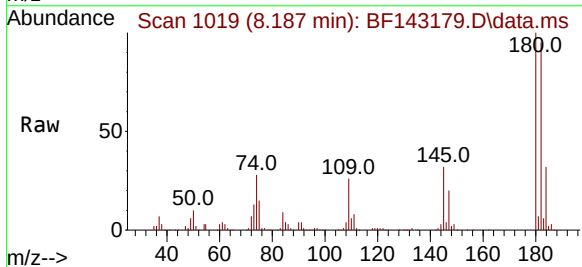
Tgt Ion:180 Resp: 382623

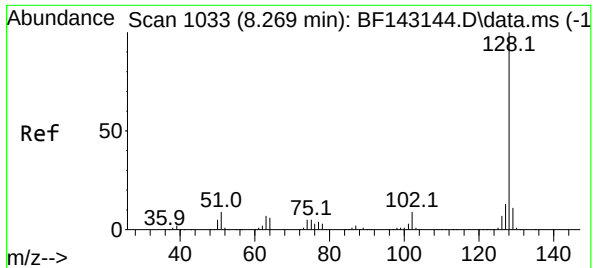
Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.2

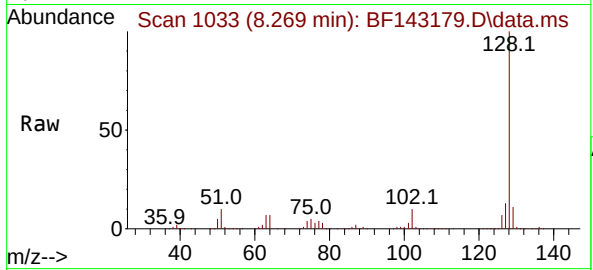
145 31.7 25.0 37.6





#31
Naphthalene
Concen: 44.183 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

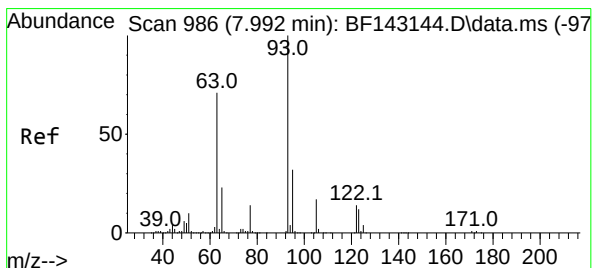
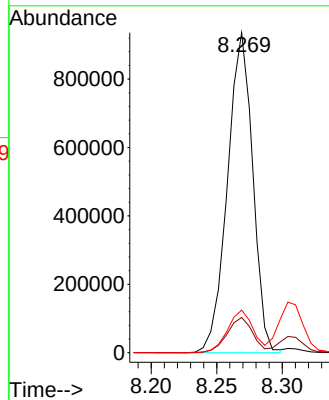
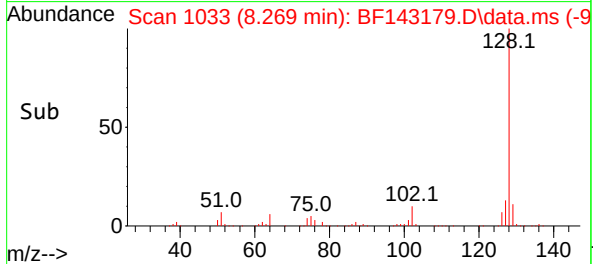
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:128 Resp: 1254290
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.3 10.6 16.0

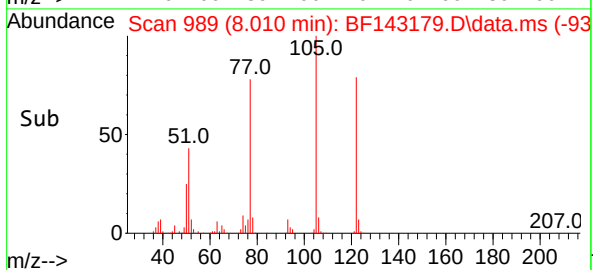
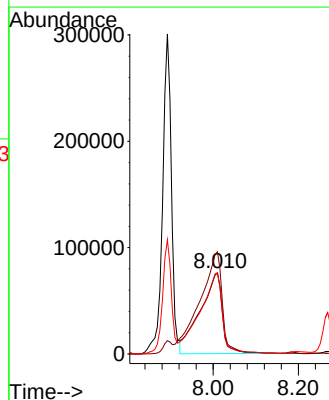
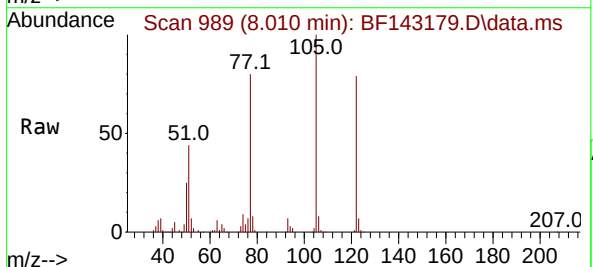
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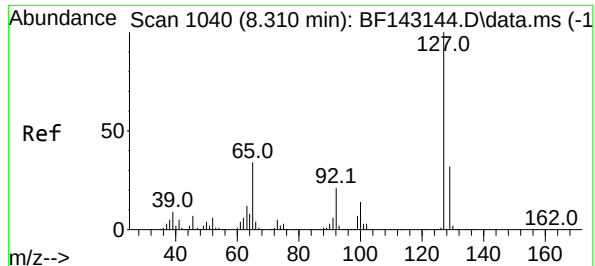
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#32
Benzoic acid
Concen: 50.943 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:122 Resp: 275604
Ion Ratio Lower Upper
122 100
105 126.3 104.8 144.8
77 100.5 77.6 117.6





#33
4-Chloroaniline
Concen: 16.978 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

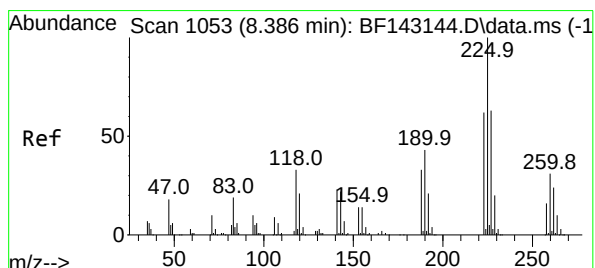
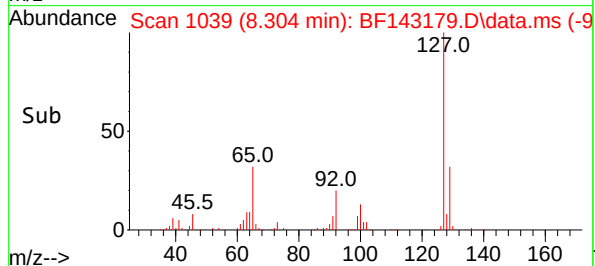
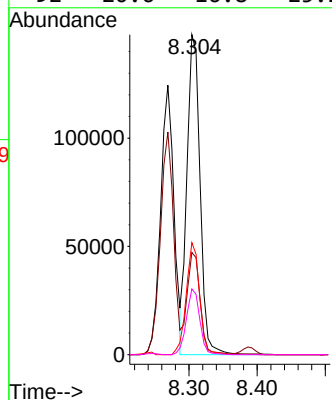
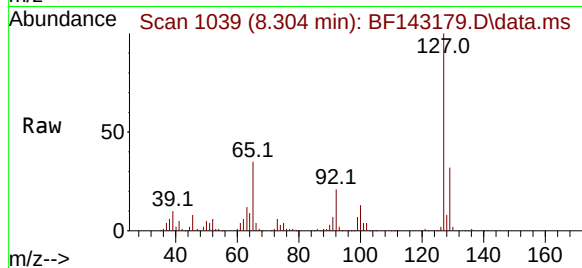
ClientSampleId :

PB168813BS

Tgt Ion:127 Resp: 196800
Ion Ratio Lower Upper
127 100
129 32.0 26.0 39.0
65 35.0 27.4 41.2
92 20.6 16.8 25.2

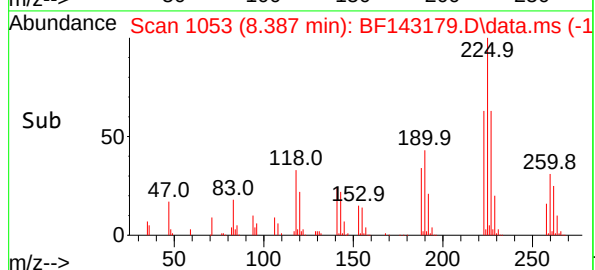
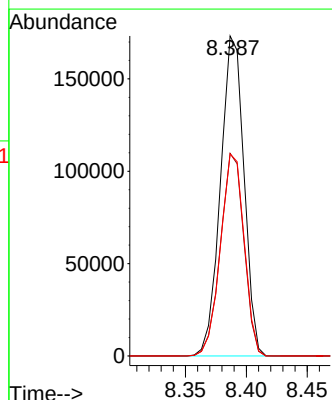
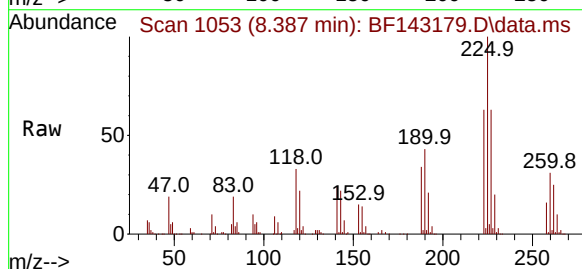
Manual Integrations
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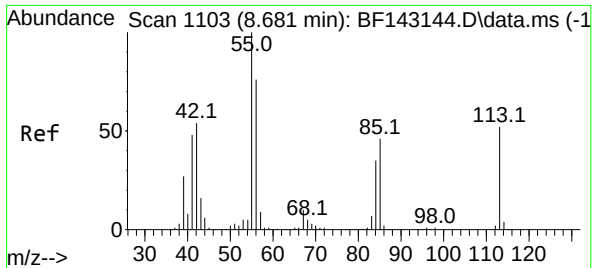
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#34
Hexachlorobutadiene
Concen: 43.811 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:225 Resp: 232563
Ion Ratio Lower Upper
225 100
223 63.3 49.8 74.6
227 63.2 50.2 75.4





#35

Caprolactam

Concen: 53.398 ng m

RT: 8.681 min Scan# 1103

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:113 Resp: 129780

Ion Ratio Lower Upper

113 100

55 195.7 174.0 214.0

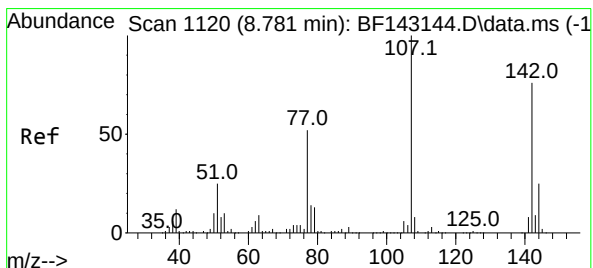
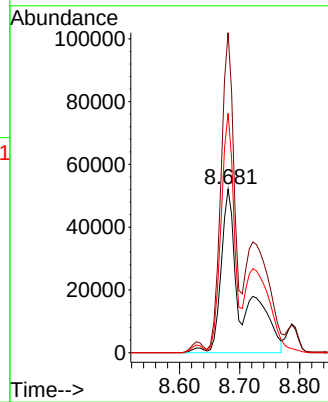
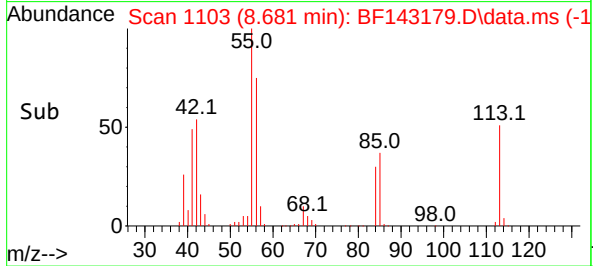
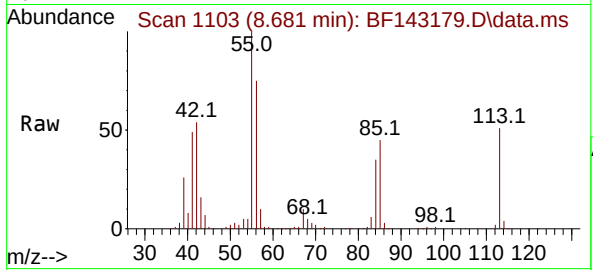
56 146.4 126.6 166.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#36

4-Chloro-3-methylphenol

Concen: 47.346 ng

RT: 8.787 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

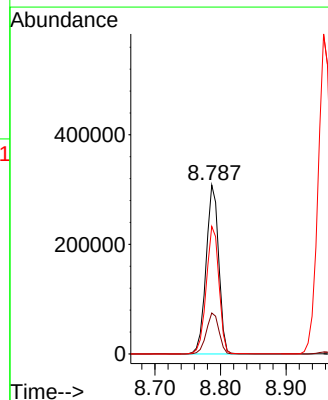
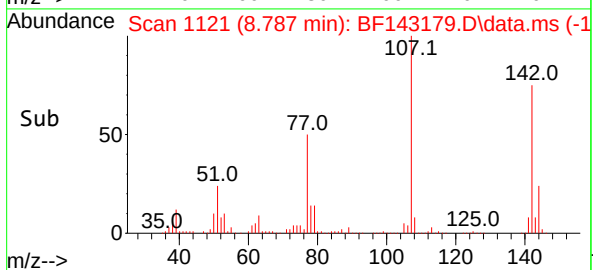
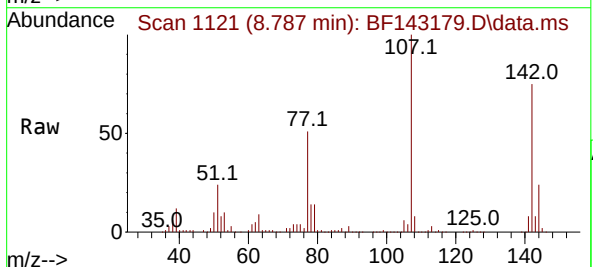
Tgt Ion:107 Resp: 413921

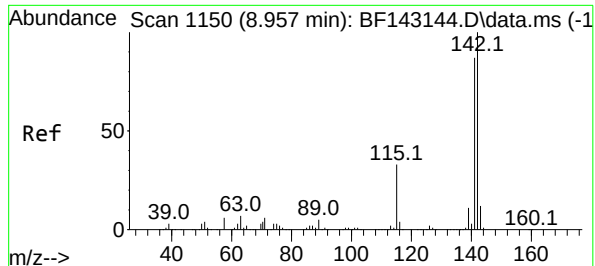
Ion Ratio Lower Upper

107 100

144 24.3 19.8 29.6

142 75.5 60.6 90.8





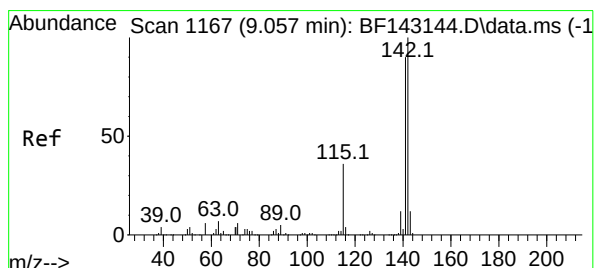
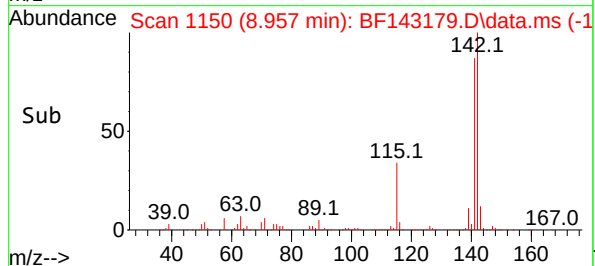
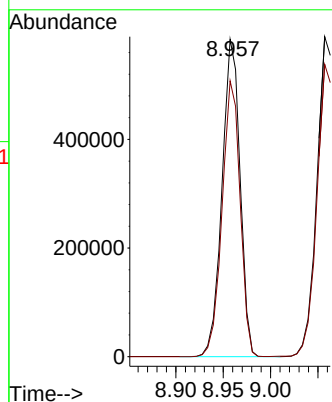
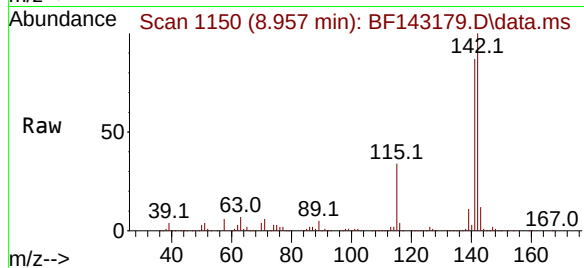
#37
2-Methylnaphthalene
Concen: 44.775 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:142 Resp: 773479
Ion Ratio Lower Upper
142 100
141 87.0 69.9 104.9

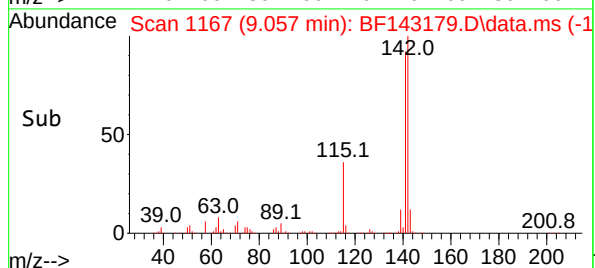
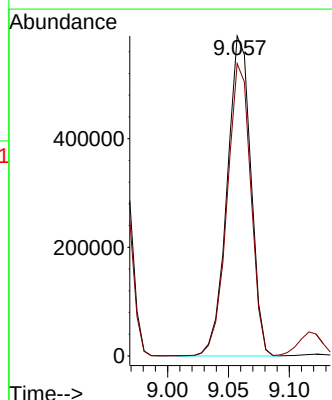
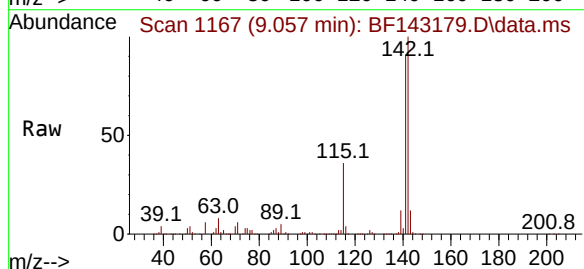
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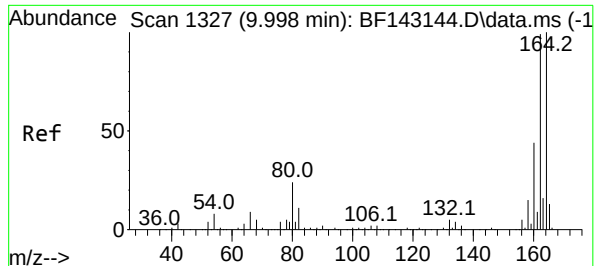
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#38
1-Methylnaphthalene
Concen: 44.722 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:142 Resp: 795535
Ion Ratio Lower Upper
142 100
141 91.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:164 Resp: 30830

Ion Ratio Lower Upper

164 100

162 99.2 79.0 118.6

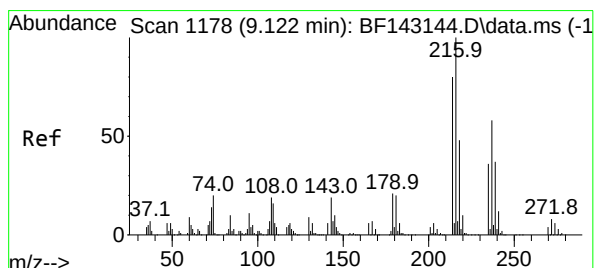
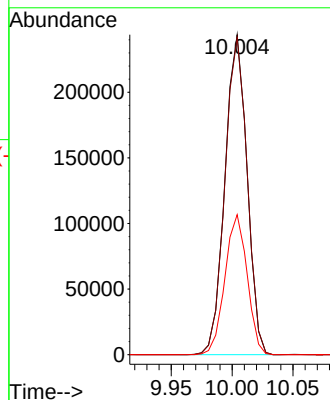
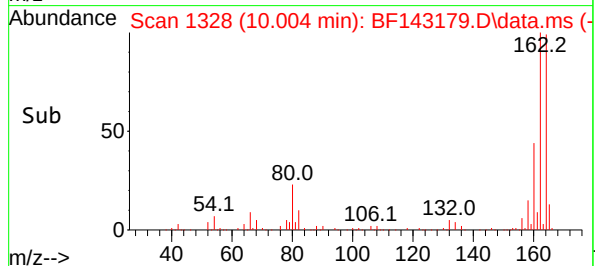
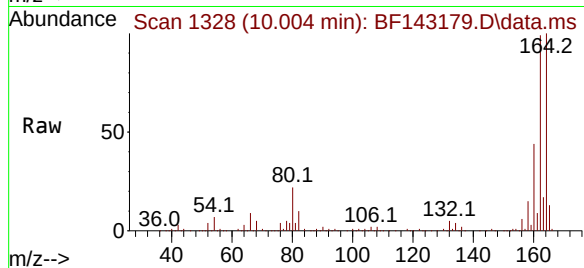
160 43.8 35.1 52.7

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.800 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Tgt Ion:216 Resp: 372068

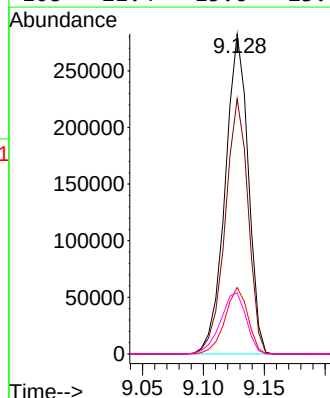
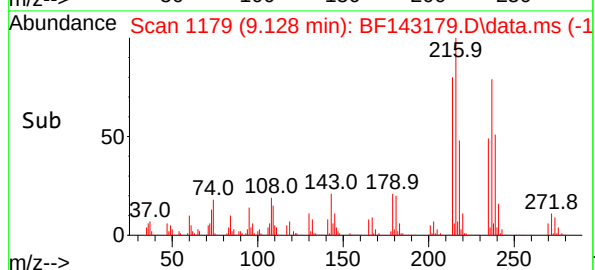
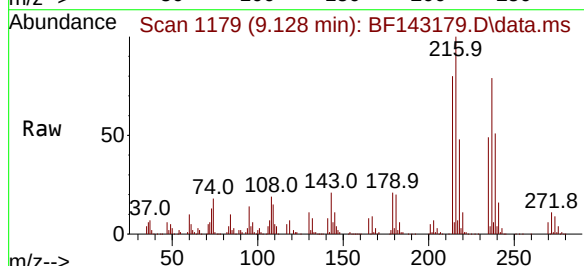
Ion Ratio Lower Upper

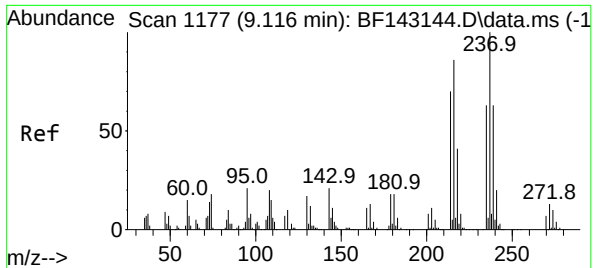
216 100

214 79.1 63.8 95.8

179 20.6 16.4 24.6

108 21.4 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 87.703 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:237 Resp: 50794

Ion Ratio Lower Upper

237 100

235 63.4 43.0 83.0

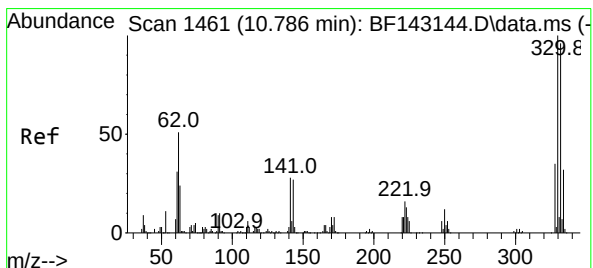
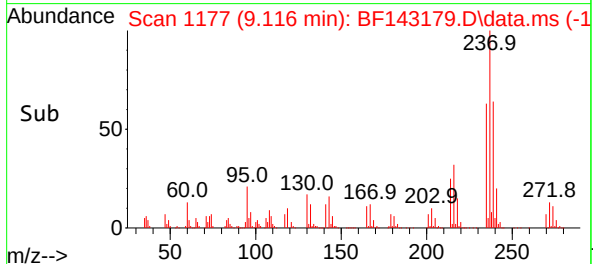
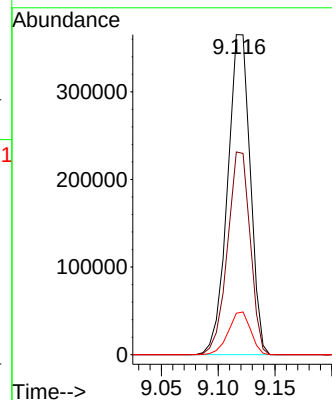
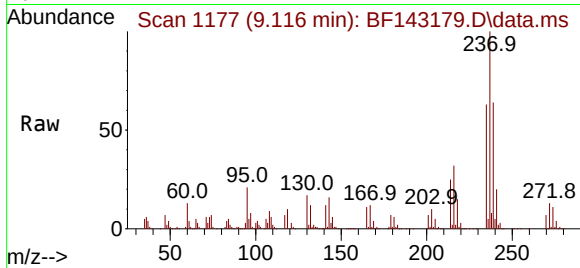
272 13.0 0.0 33.3

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#42

2,4,6-Tribromophenol

Concen: 131.675 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

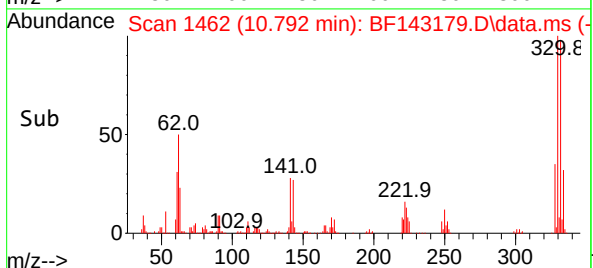
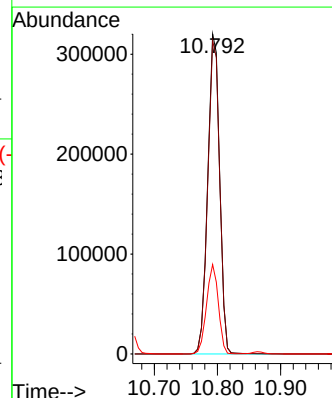
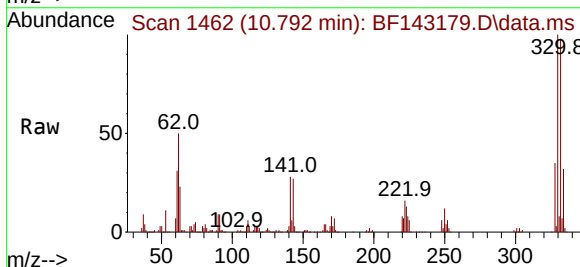
Tgt Ion:330 Resp: 419377

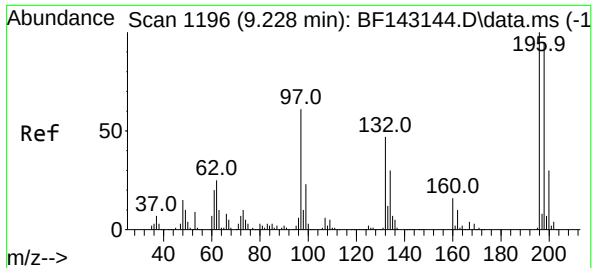
Ion Ratio Lower Upper

330 100

332 98.1 76.7 115.1

141 27.7 23.3 34.9





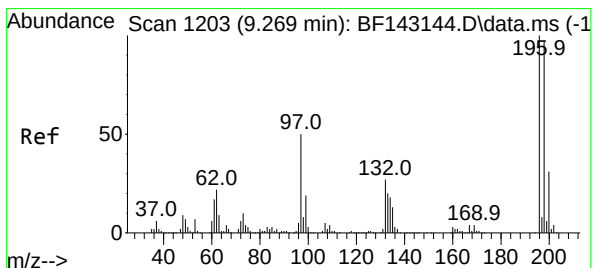
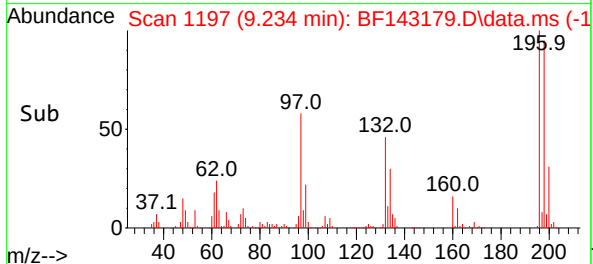
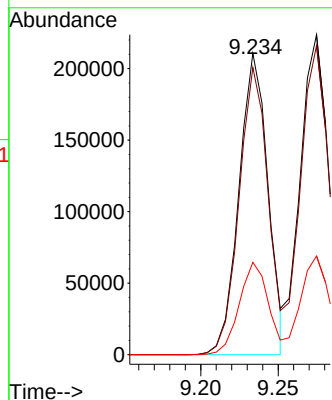
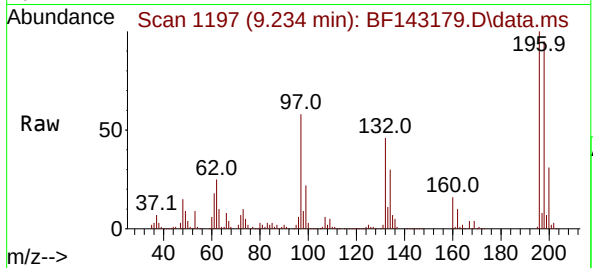
#43
2,4,6-Trichlorophenol
Concen: 44.464 ng
RT: 9.234 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:196 Resp: 273909
Ion Ratio Lower Upper
196 100
198 95.3 76.2 114.2
200 30.7 23.9 35.9

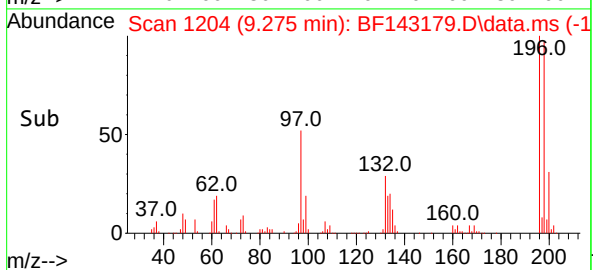
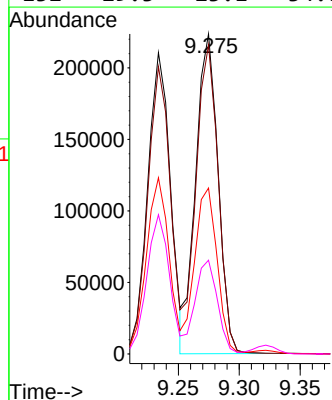
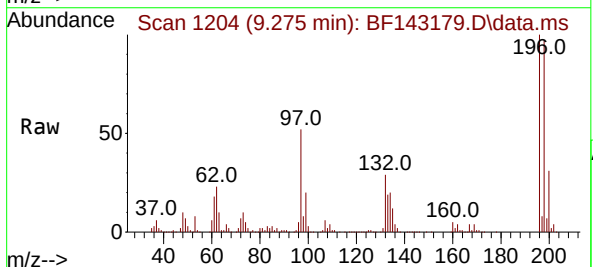
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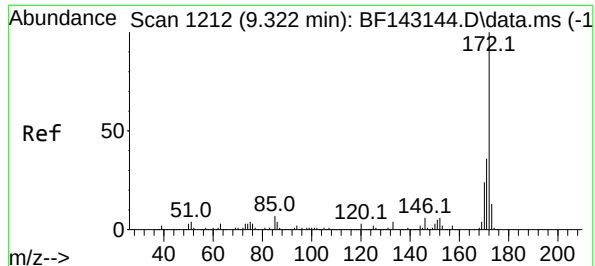
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#44
2,4,5-Trichlorophenol
Concen: 46.193 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:196 Resp: 284651
Ion Ratio Lower Upper
196 100
198 96.6 77.3 115.9
97 51.8 40.3 60.5
132 29.3 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.110 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:172 Resp: 1670652

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

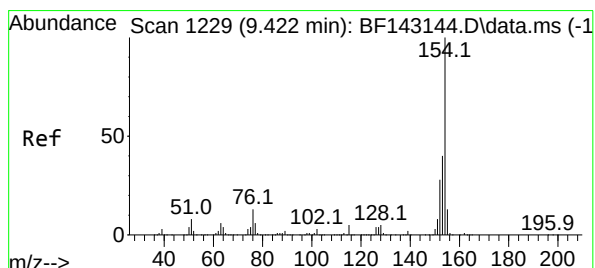
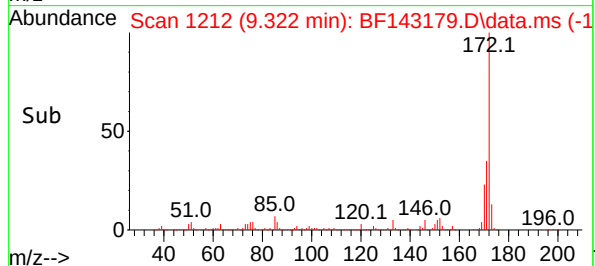
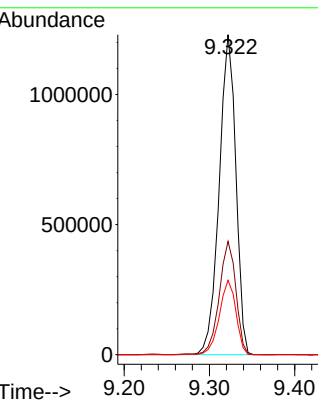
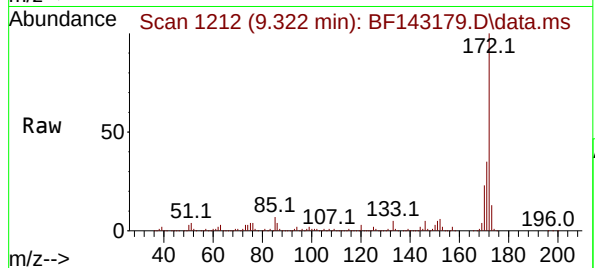
170 23.3 18.8 28.2

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#46

1,1'-Biphenyl

Concen: 43.521 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

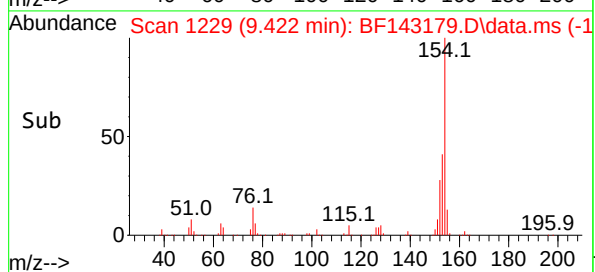
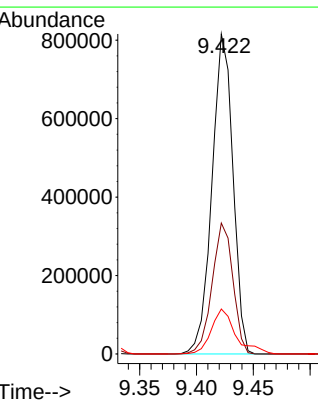
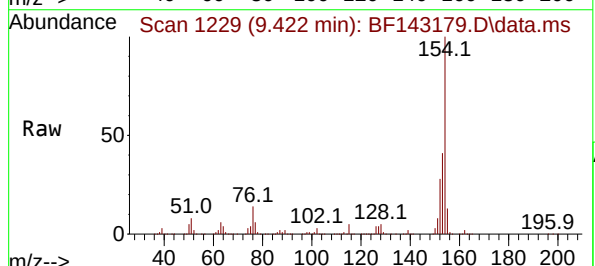
Tgt Ion:154 Resp: 1046849

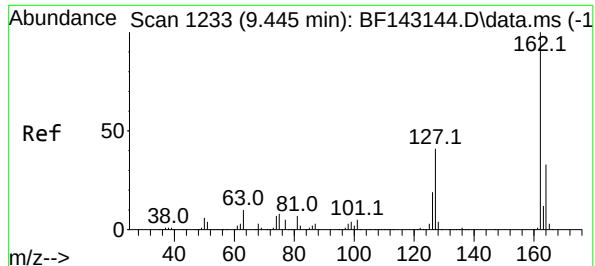
Ion Ratio Lower Upper

154 100

153 40.9 20.3 60.3

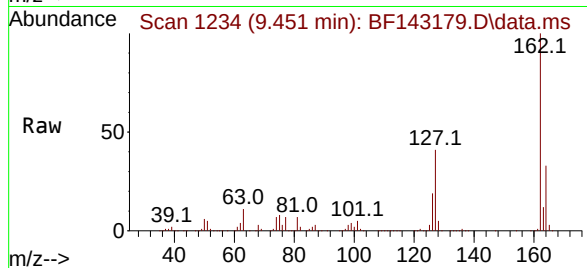
76 14.0 0.0 33.3





#47
2-Chloronaphthalene
Concen: 43.035 ng
RT: 9.451 min Scan# 1234
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

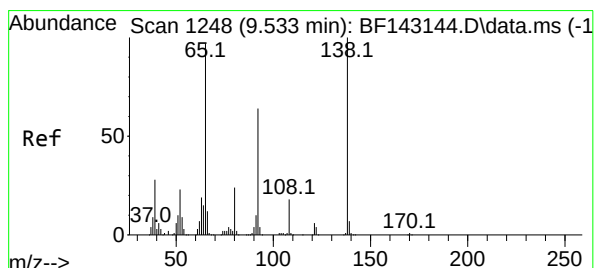
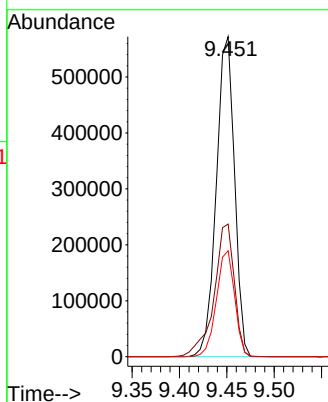
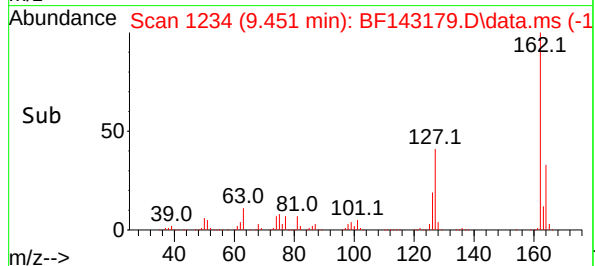
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:162 Resp: 76593
Ion Ratio Lower Upper
162 100
127 41.5 33.4 50.2
164 33.1 26.2 39.2

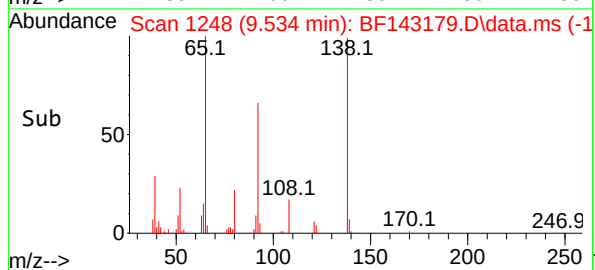
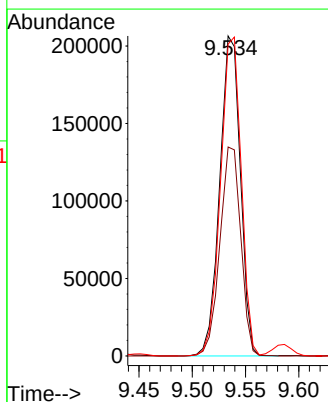
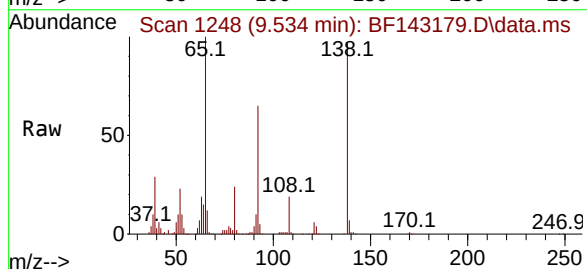
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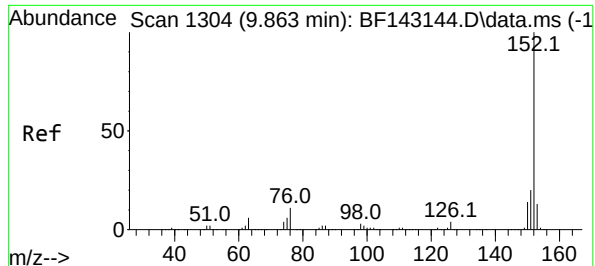
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#48
2-Nitroaniline
Concen: 49.756 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 65 Resp: 277706
Ion Ratio Lower Upper
65 100
92 65.3 52.4 78.6
138 97.4 82.3 123.5





#49

Acenaphthylene

Concen: 43.980 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143179.D

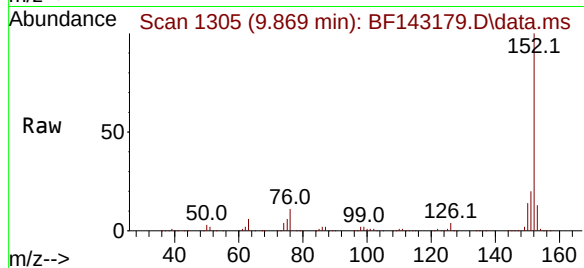
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



Tgt Ion:152 Resp: 131178

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

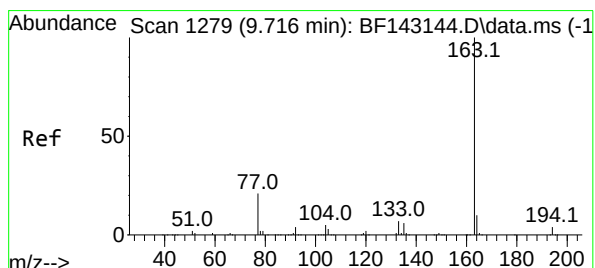
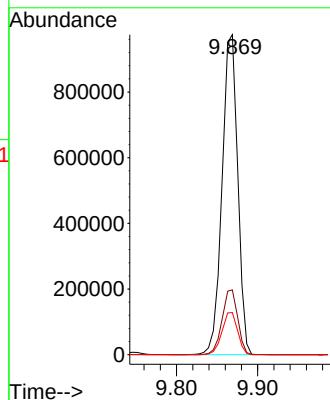
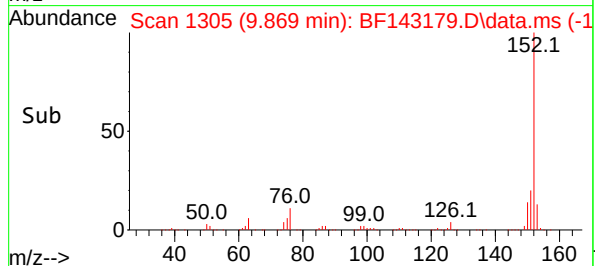
153 13.2 10.6 16.0

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#50

Dimethylphthalate

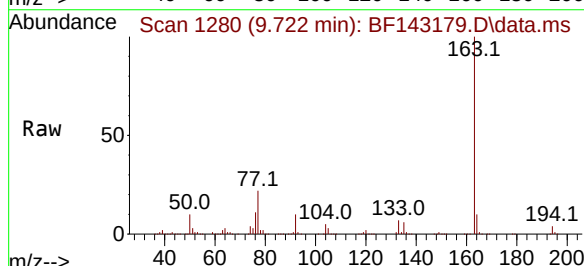
Concen: 46.478 ng

RT: 9.722 min Scan# 1280

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44



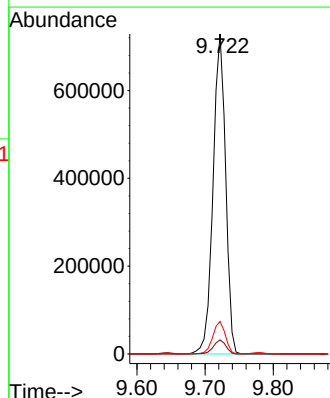
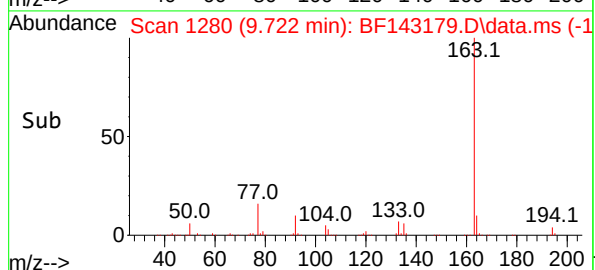
Tgt Ion:163 Resp: 934025

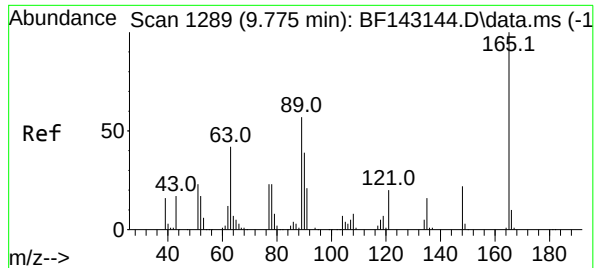
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

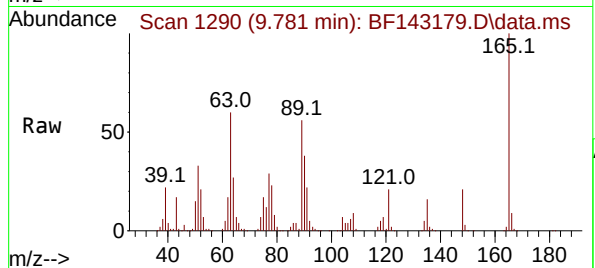
164 10.2 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 50.140 ng
RT: 9.781 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

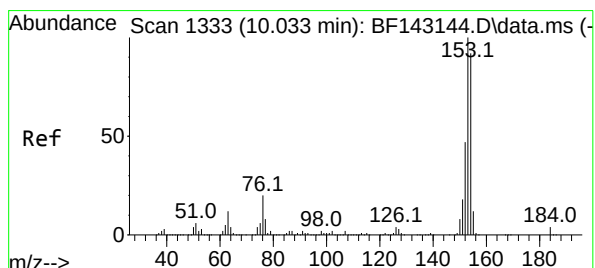
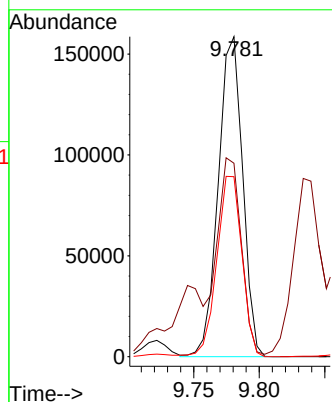
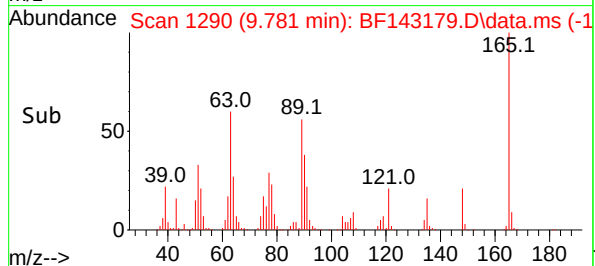
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:165 Resp: 204978
Ion Ratio Lower Upper
165 100
63 60.5 49.4 74.2
89 56.3 46.2 69.2

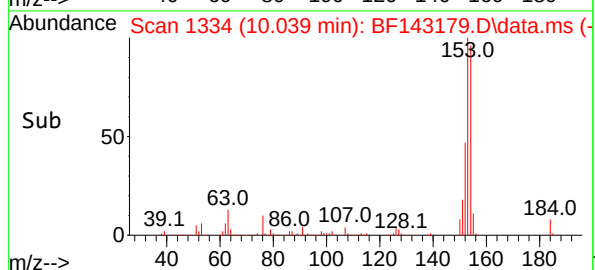
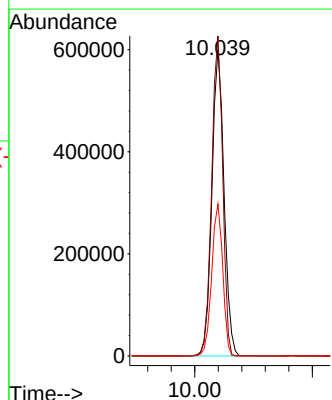
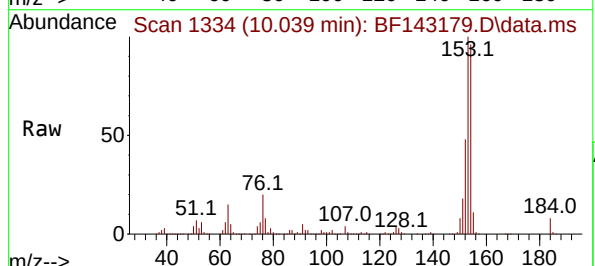
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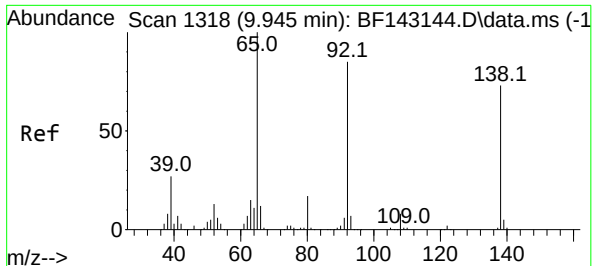
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#52
Acenaphthene
Concen: 48.681 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:154 Resp: 858201
Ion Ratio Lower Upper
154 100
153 104.6 86.6 129.8
152 49.7 40.4 60.6





#53

3-Nitroaniline

Concen: 32.928 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:138 Resp: 15745

Ion Ratio Lower Upper

138 100

108 11.1 9.0 13.6

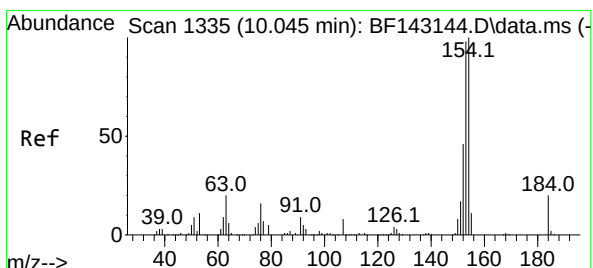
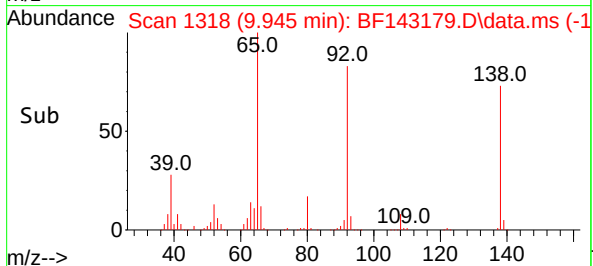
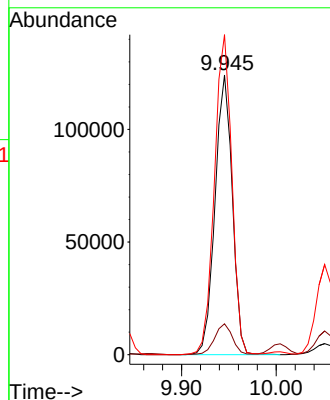
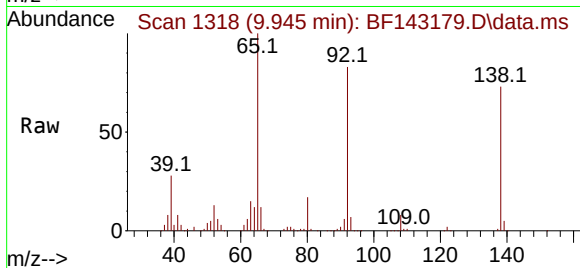
92 114.4 93.0 139.4

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#54

2,4-Dinitrophenol

Concen: 107.647 ng

RT: 10.051 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

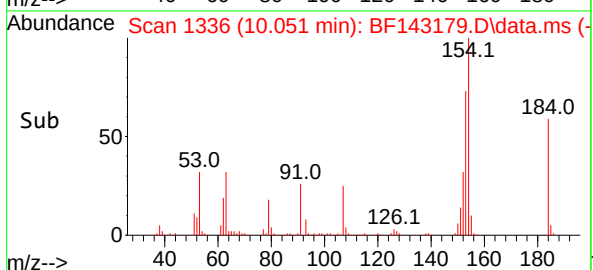
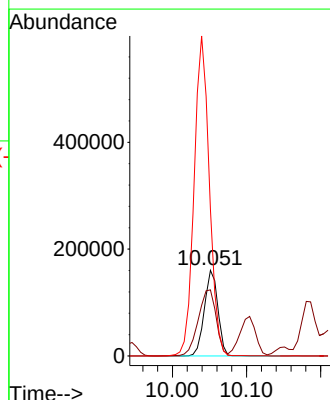
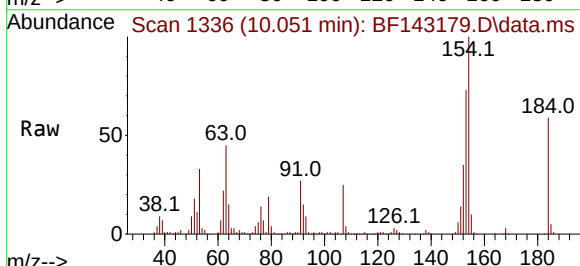
Tgt Ion:184 Resp: 204107

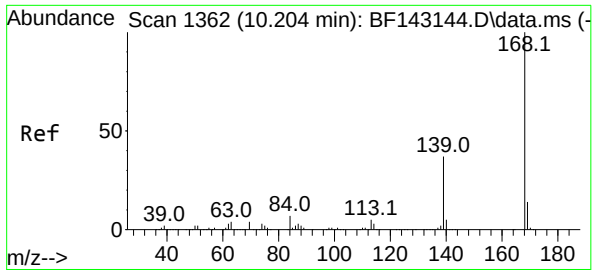
Ion Ratio Lower Upper

184 100

63 77.2 81.8 122.6#

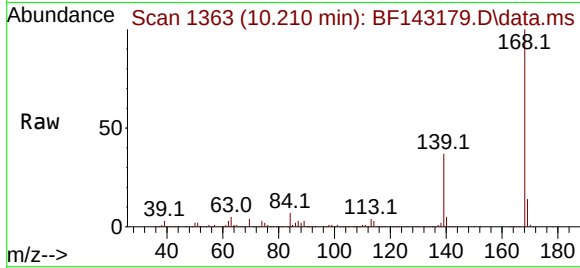
154 170.9 412.2 618.4#





#55
Dibenzenofuran
Concen: 44.122 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

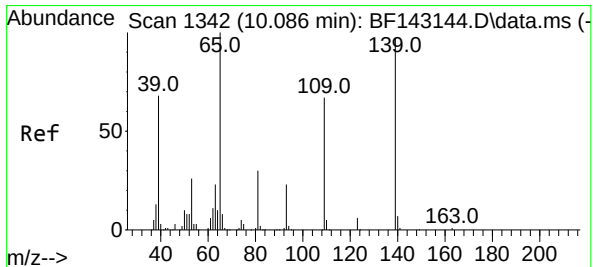
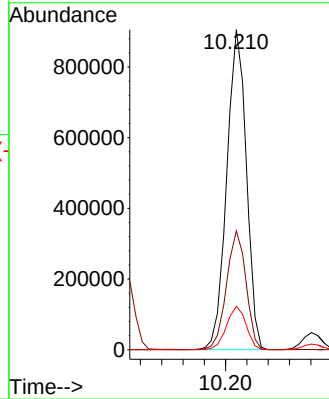
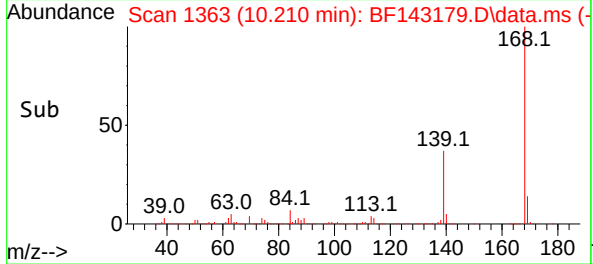
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:168 Resp: 1154840
Ion Ratio Lower Upper
168 100
139 37.1 29.5 44.3
169 13.6 10.9 16.3

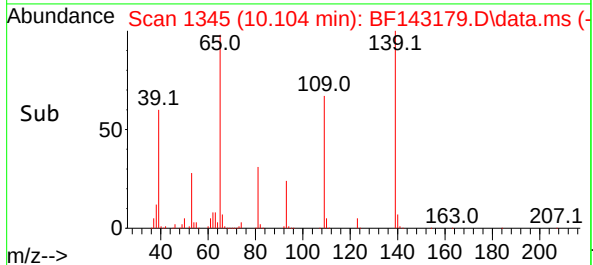
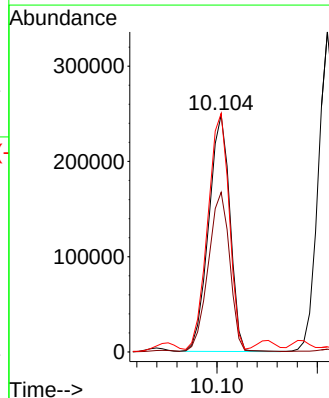
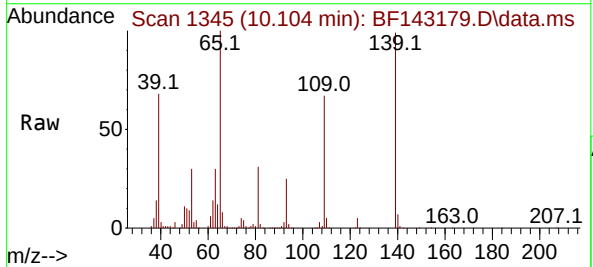
Manual Integrations
APPROVED

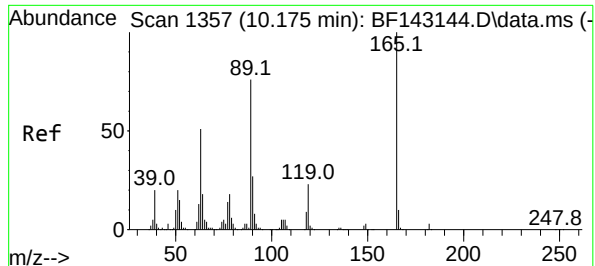
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#56
4-Nitrophenol
Concen: 102.167 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

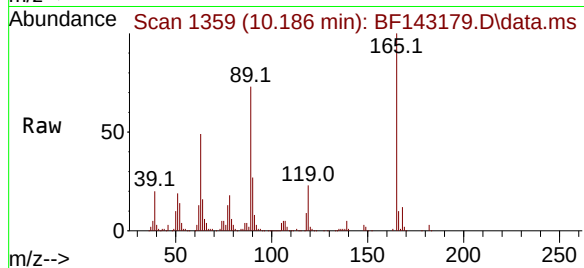
Tgt Ion:139 Resp: 364810
Ion Ratio Lower Upper
139 100
109 67.4 48.5 88.5
65 100.6 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 53.412 ng
RT: 10.186 min Scan# 1359
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

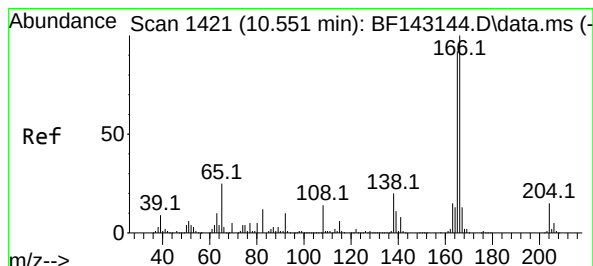
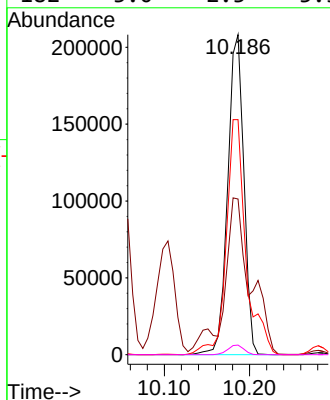
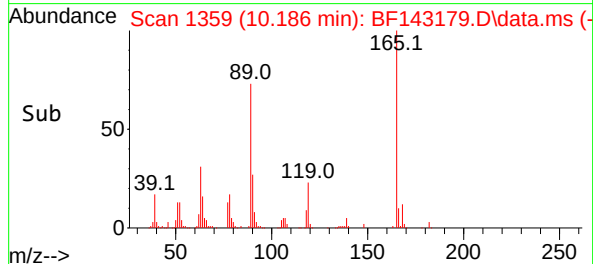
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:165 Resp: 273950
Ion Ratio Lower Upper
165 100
63 48.7 41.0 61.4
89 73.4 61.1 91.7
182 3.0 2.3 3.5

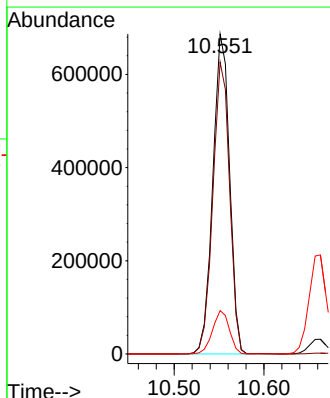
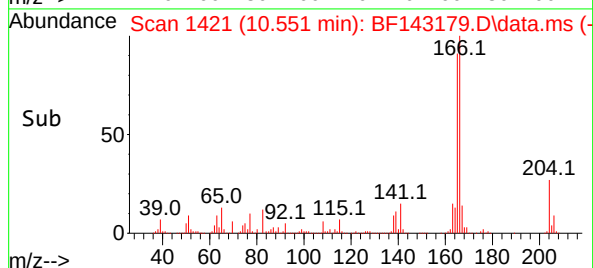
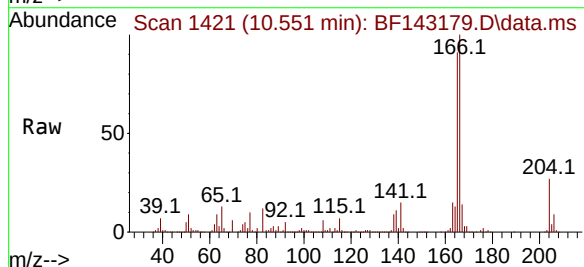
Manual Integrations
APPROVED

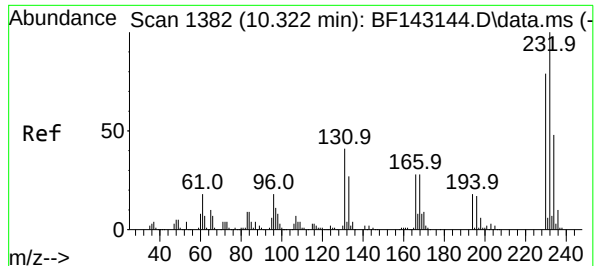
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#58
Fluorene
Concen: 45.279 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

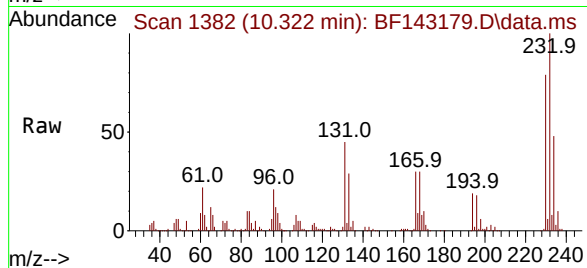
Tgt Ion:166 Resp: 889443
Ion Ratio Lower Upper
166 100
165 91.2 73.7 110.5
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.390 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

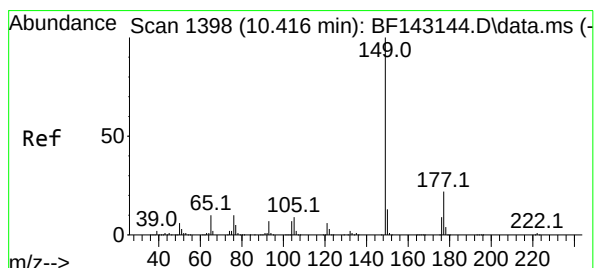
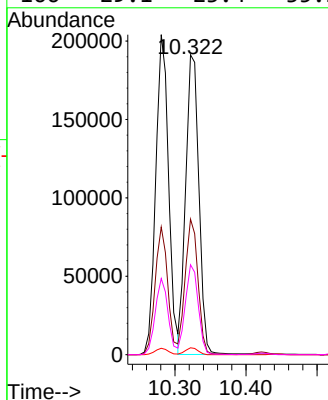
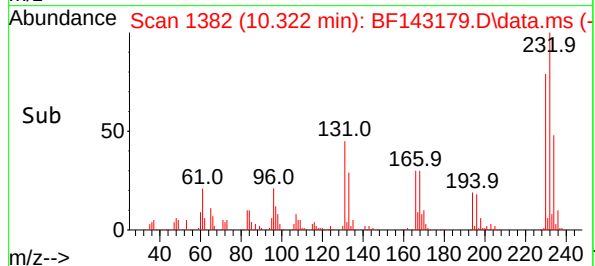
Instrument :
BNA_F
ClientSampleId :
PB168813BS



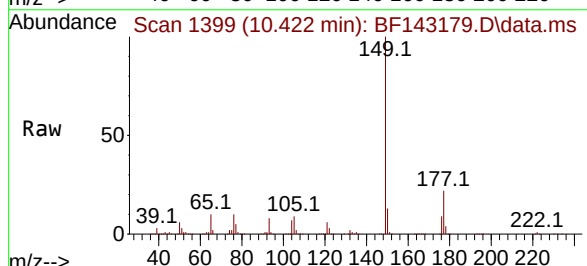
Tgt Ion:232 Resp: 247001
Ion Ratio Lower Upper
232 100
131 43.6 35.3 52.9
130 2.2 1.7 2.5
166 29.1 23.4 35.2

Manual Integrations
APPROVED

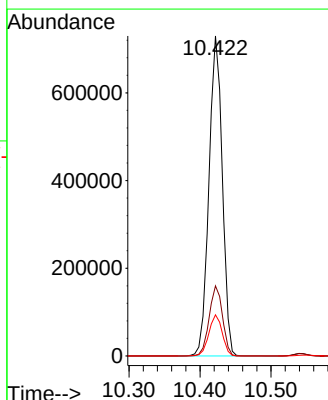
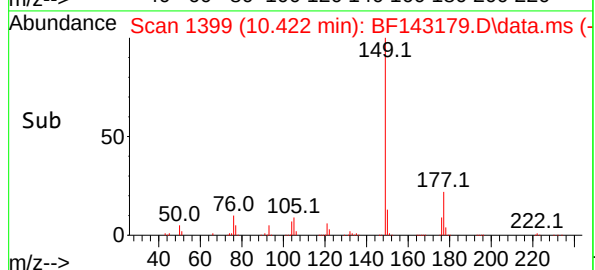
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

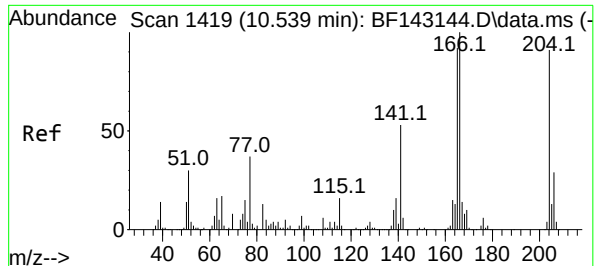


#60
Diethylphthalate
Concen: 48.030 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



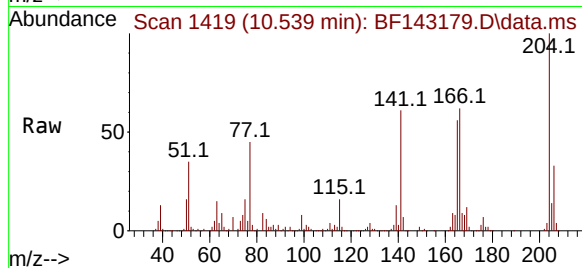
Tgt Ion:149 Resp: 954021
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.9 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 44.778 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

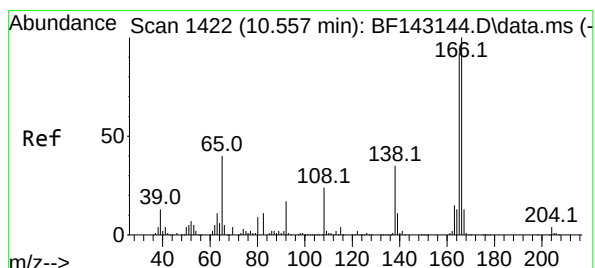
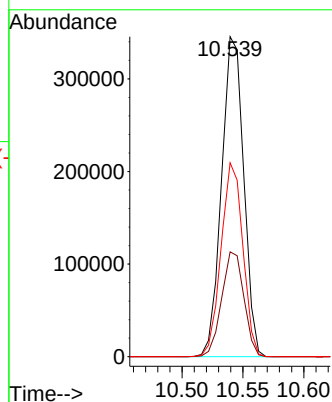
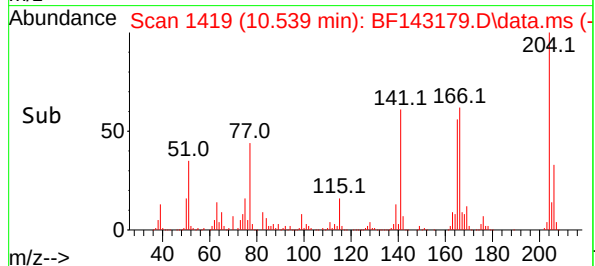
Instrument :
BNA_F
ClientSampleId :
PB168813BS



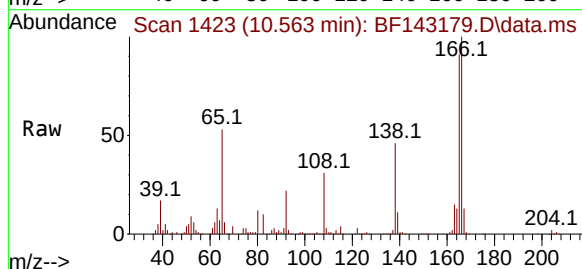
Tgt Ion:204 Resp: 43799
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 60.6 47.0 70.4

Manual Integrations
APPROVED

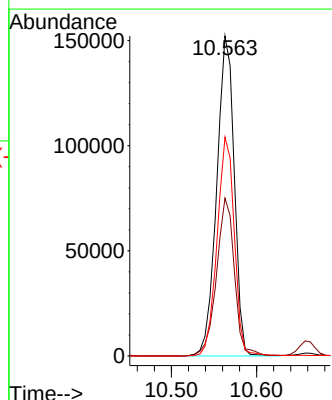
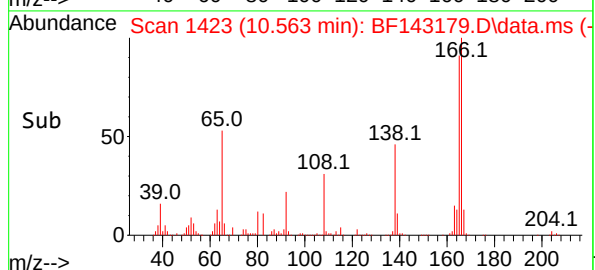
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

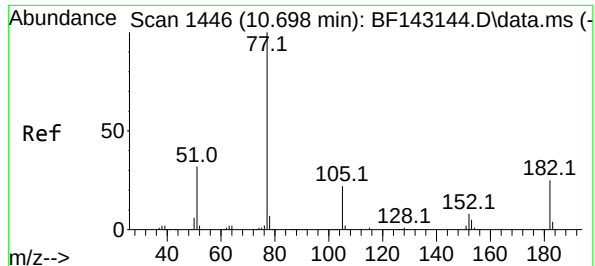


#62
4-Nitroaniline
Concen: 53.103 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



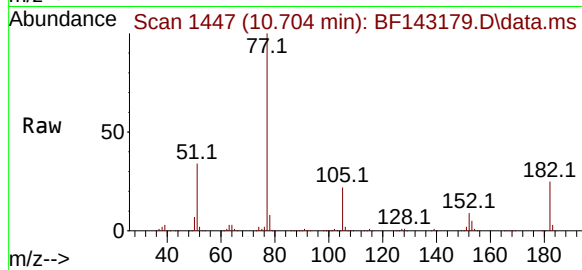
Tgt Ion:138 Resp: 217627
Ion Ratio Lower Upper
138 100
92 49.3 29.3 69.3
108 68.4 48.3 88.3





#63
Azobenzene
Concen: 46.773 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

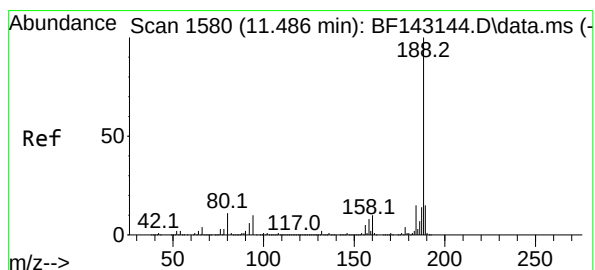
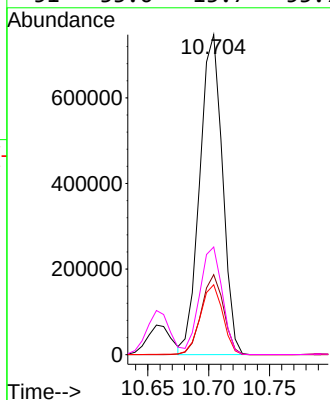
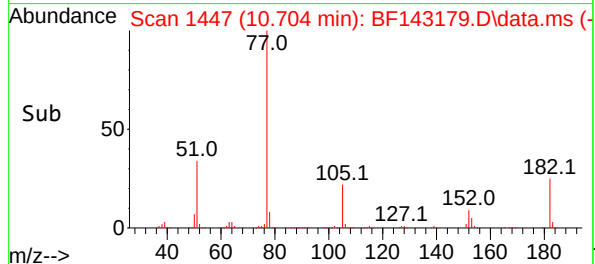
Instrument :
BNA_F
ClientSampleId :
PB168813BS



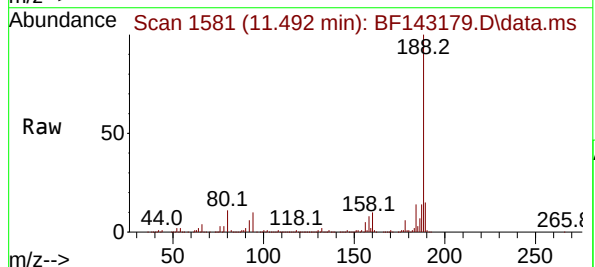
Tgt Ion: 77 Resp: 96828
Ion Ratio Lower Upper
77 100
182 25.0 4.6 44.6
105 21.8 1.4 41.4
51 33.6 13.7 53.7

Manual Integrations
APPROVED

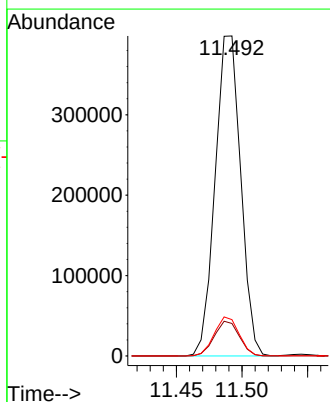
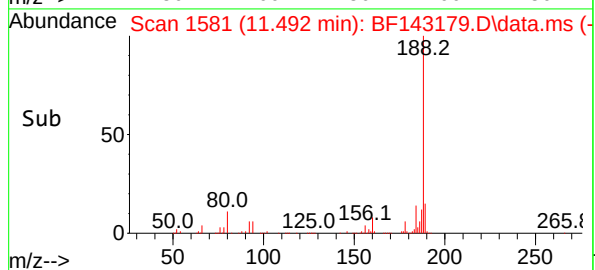
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

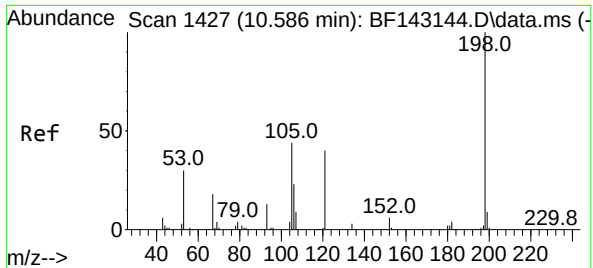


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



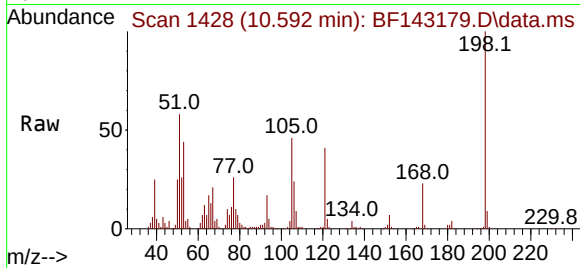
Tgt Ion:188 Resp: 540032
Ion Ratio Lower Upper
188 100
94 10.2 8.3 12.5
80 11.3 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 47.684 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

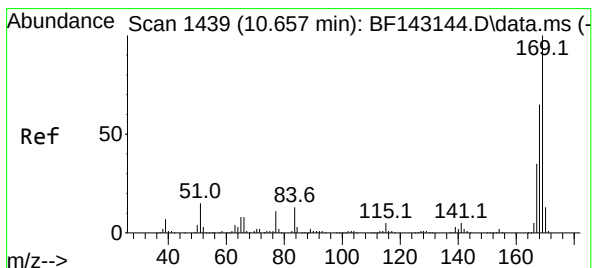
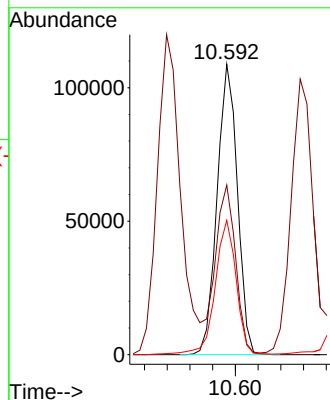
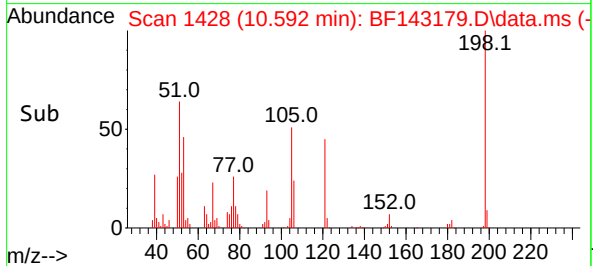
Instrument :
BNA_F
ClientSampleId :
PB168813BS



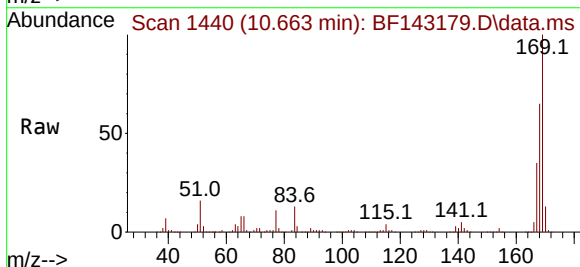
Tgt Ion:198 Resp: 134879
Ion Ratio Lower Upper
198 100
51 58.4 37.2 77.2
105 46.3 24.8 64.8

Manual Integrations
APPROVED

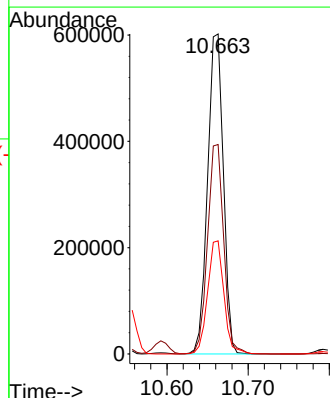
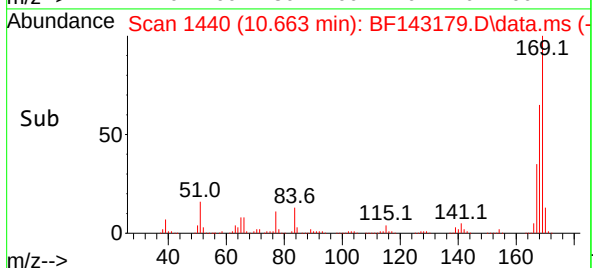
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

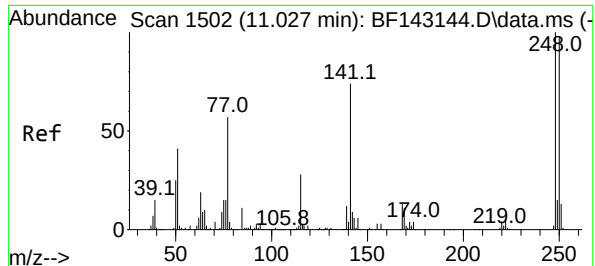


#66
n-Nitrosodiphenylamine
Concen: 42.574 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion:169 Resp: 809593
Ion Ratio Lower Upper
169 100
168 65.4 52.1 78.1
167 35.3 28.2 42.2





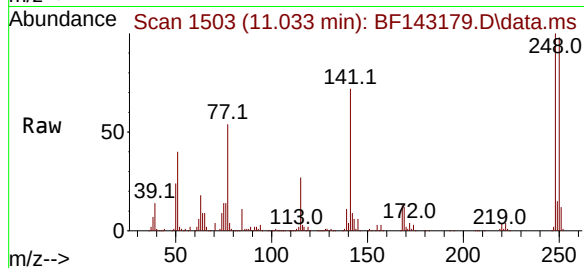
#67
4-Bromophenyl-phenylether
Concen: 43.267 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



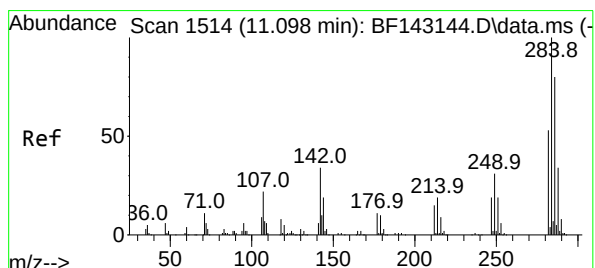
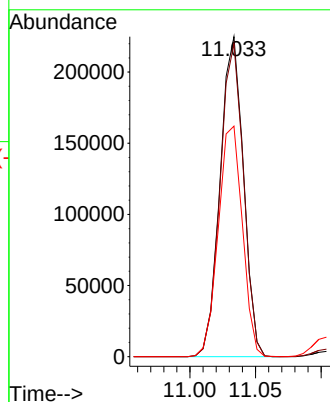
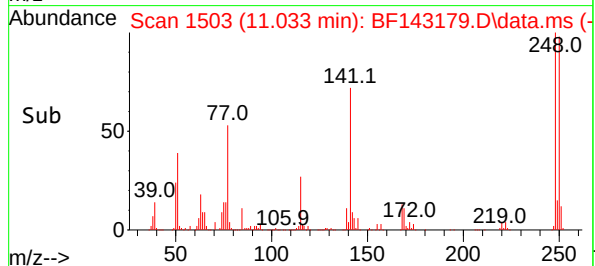
Tgt Ion:248 Resp: 27845
Ion Ratio Lower Upper
248 100
250 97.8 78.3 117.5
141 72.1 59.2 88.8

Manual Integrations

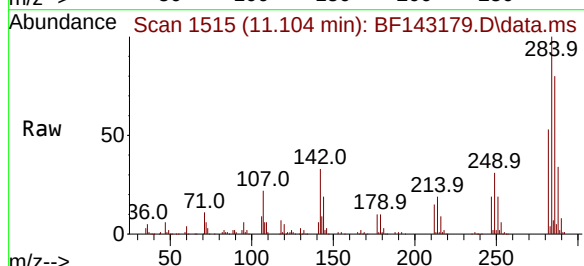
APPROVED

Reviewed By :Rahul Chavli 07/23/2025

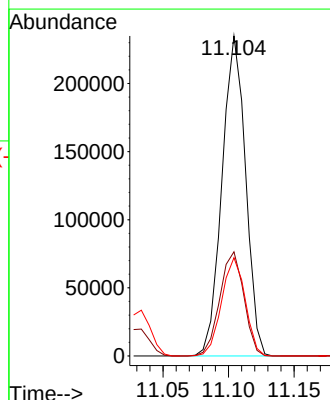
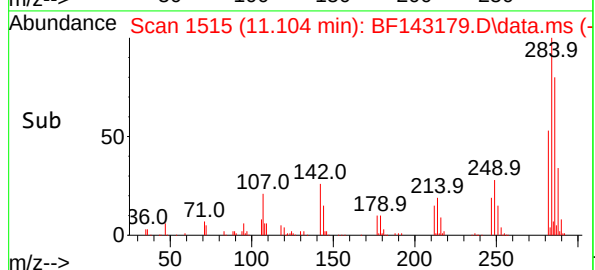
Supervised By :Jagrut Upadhyay 07/23/2025

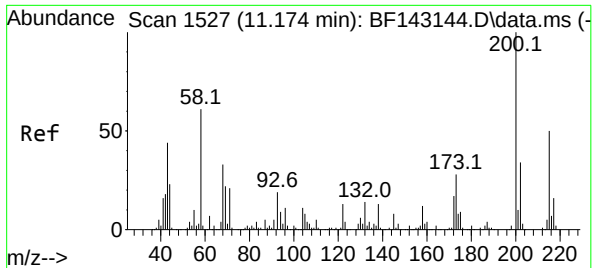


#68
Hexachlorobenzene
Concen: 43.557 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion:284 Resp: 292998
Ion Ratio Lower Upper
284 100
142 32.6 27.0 40.6
249 30.7 25.0 37.6





#69

Atrazine

Concen: 49.071 ng

RT: 11.181 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:200 Resp: 257250

Ion Ratio Lower Upper

200 100

173 28.8 7.9 47.9

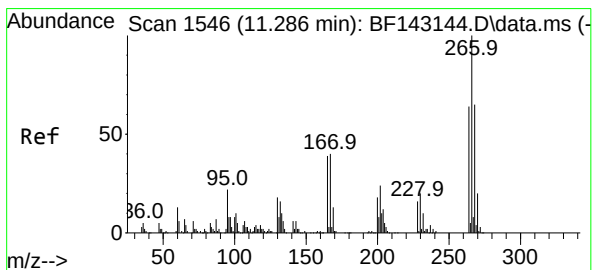
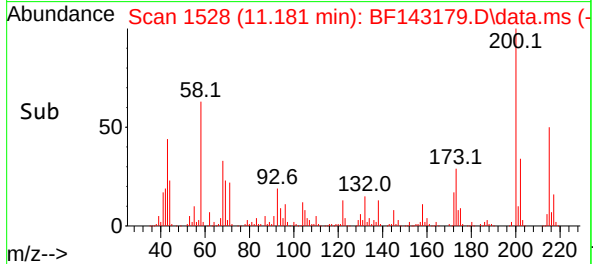
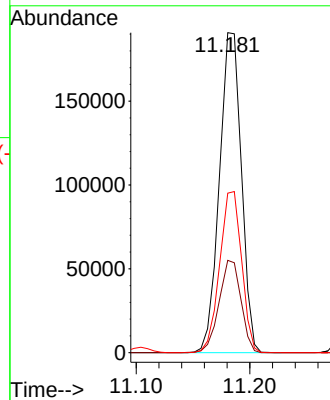
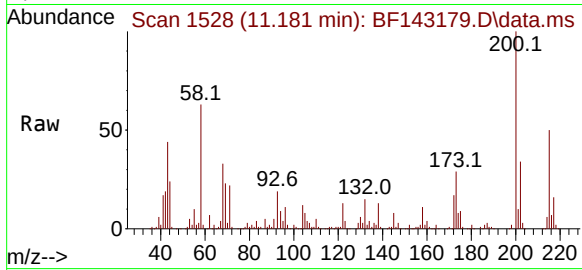
215 49.8 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#70

Pentachlorophenol

Concen: 93.487 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

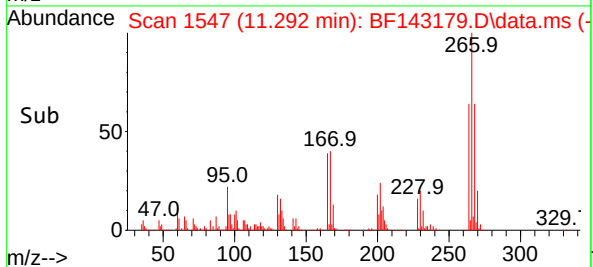
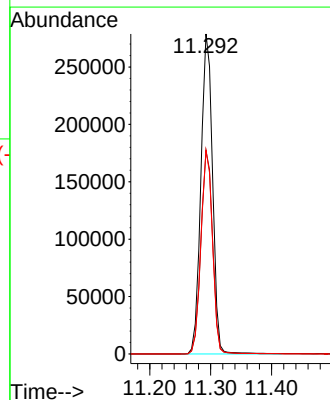
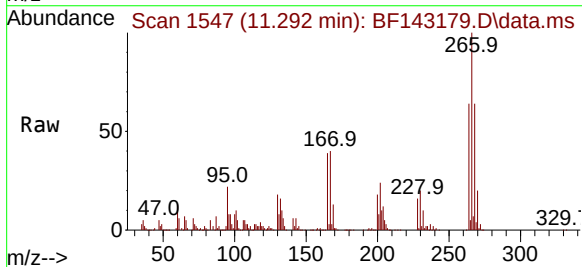
Tgt Ion:266 Resp: 369820

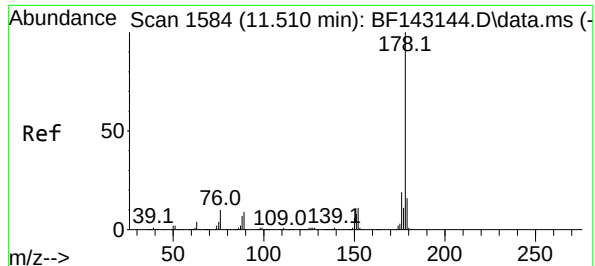
Ion Ratio Lower Upper

266 100

268 63.6 51.9 77.9

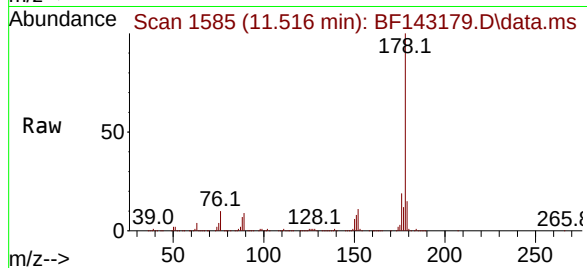
264 63.6 51.0 76.6





#71
Phenanthrene
Concen: 43.992 ng
RT: 11.516 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

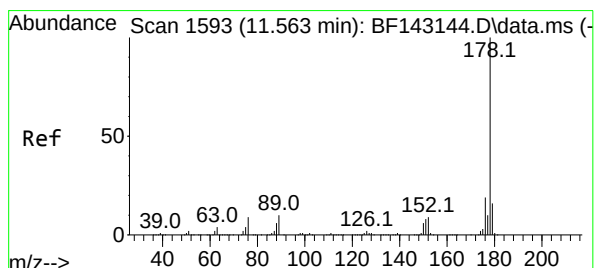
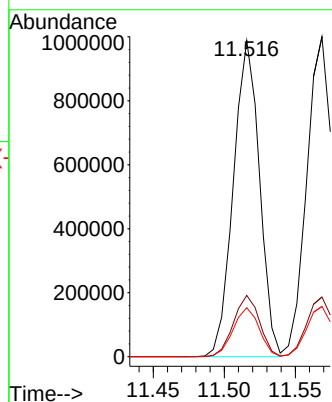
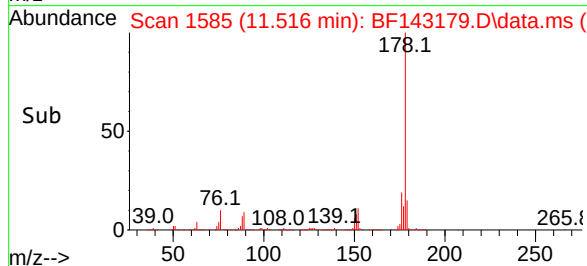
Instrument :
BNA_F
ClientSampleId :
PB168813BS



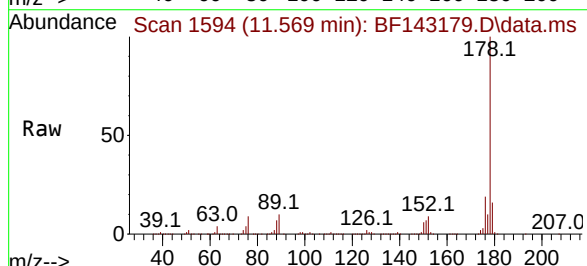
Tgt Ion:178 Resp: 1261410
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.5 12.5 18.7

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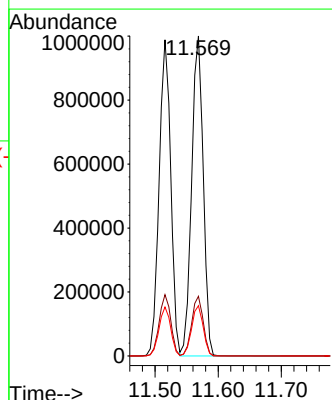
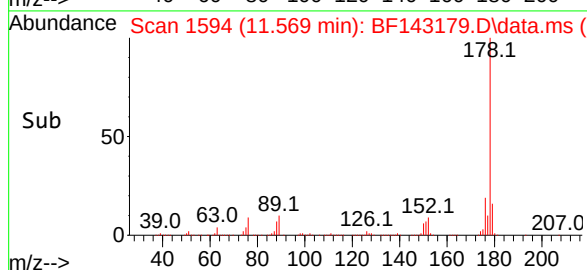
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

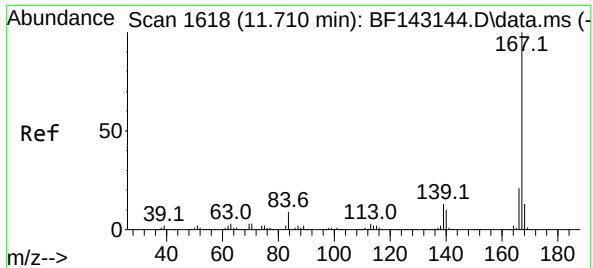


#72
Anthracene
Concen: 43.585 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



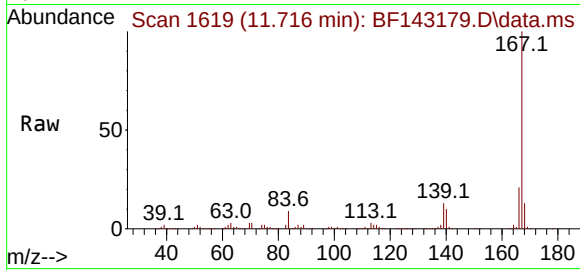
Tgt Ion:178 Resp: 1274603
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.7 12.5 18.7





#73
 Carbazole
 Concen: 45.721 ng
 RT: 11.716 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44

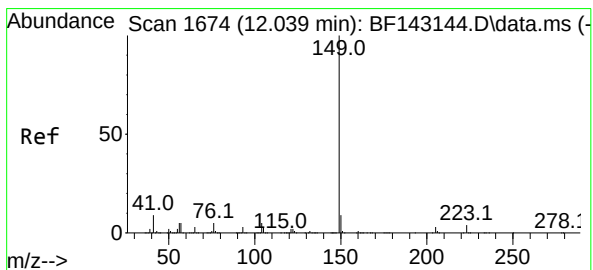
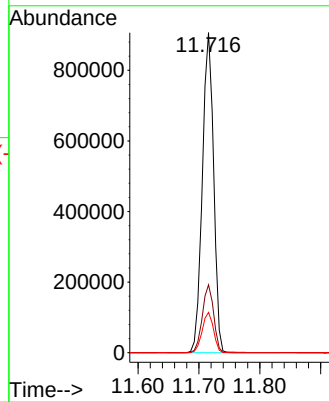
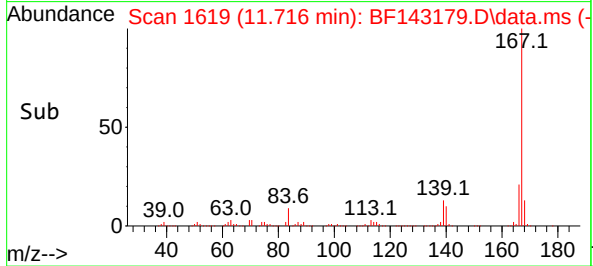
Instrument :
 BNA_F
 ClientSampleId :
 PB168813BS



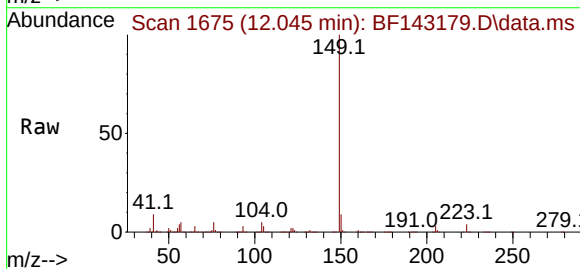
Tgt Ion:167 Resp: 1167519
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.6 10.0 15.0

Manual Integrations
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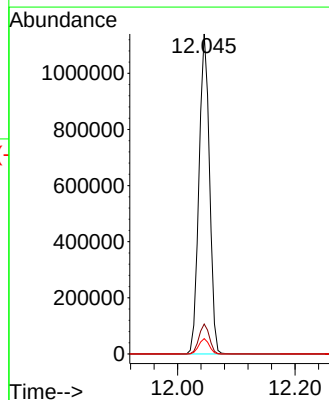
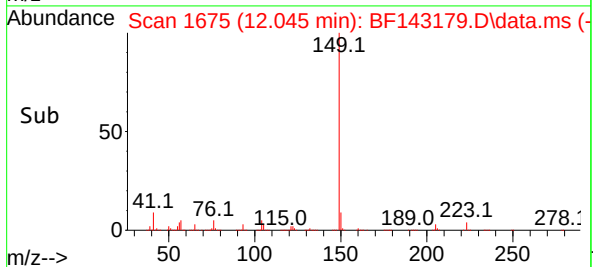
Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

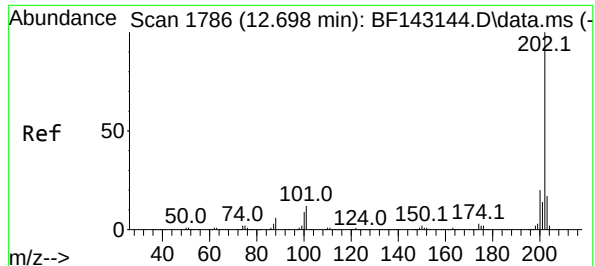


#74
 Di-n-butylphthalate
 Concen: 48.912 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44



Tgt Ion:149 Resp: 1413258
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 4.8 3.8 5.8





#75

Fluoranthene

Concen: 48.349 ng

RT: 12.704 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:202 Resp: 127250

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.7

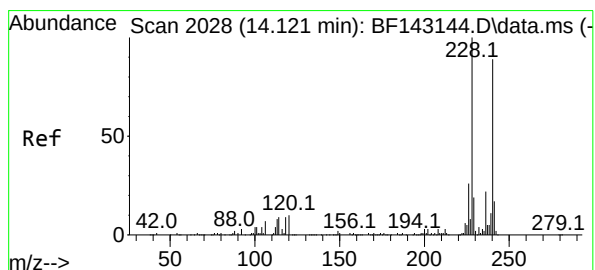
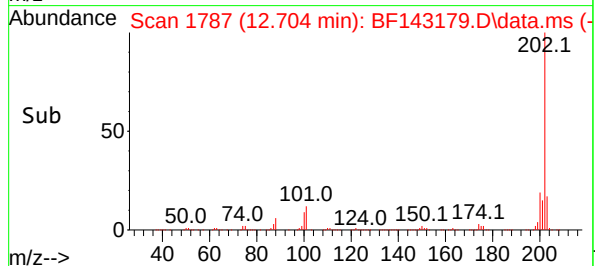
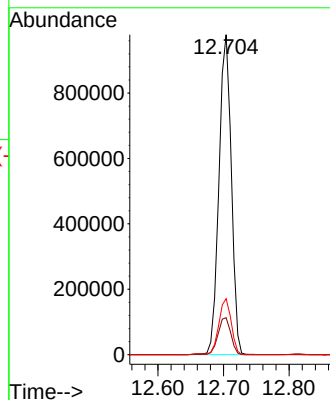
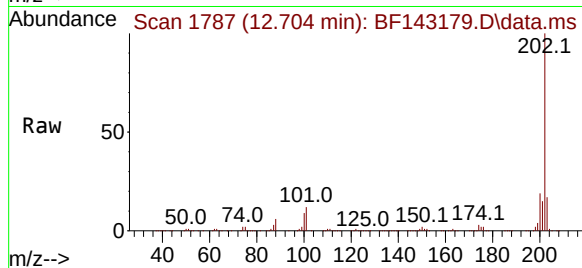
203 17.5 0.0 37.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

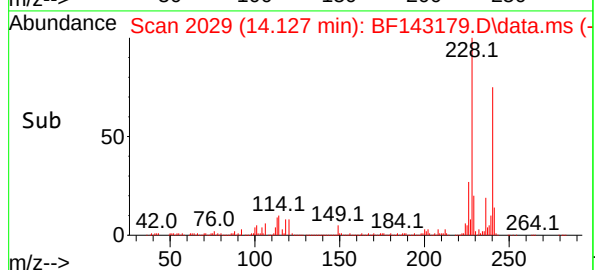
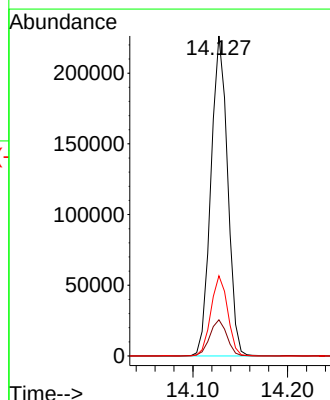
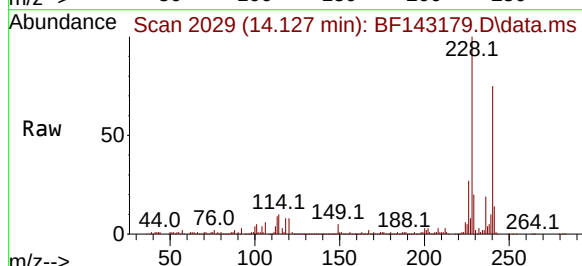
Tgt Ion:240 Resp: 276421

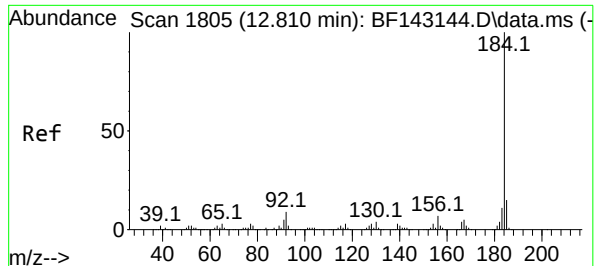
Ion Ratio Lower Upper

240 100

120 11.3 9.4 14.2

236 25.1 20.2 30.4





#77

Benzidine

Concen: 45.460 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:184 Resp: 48414

Ion Ratio Lower Upper

184 100

185 14.6 12.2 18.4

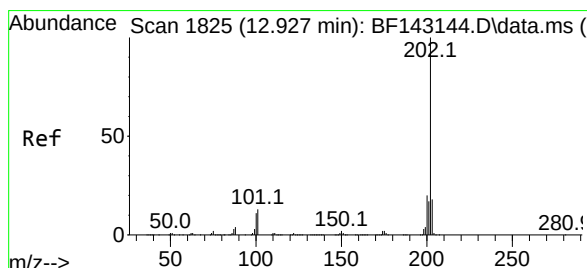
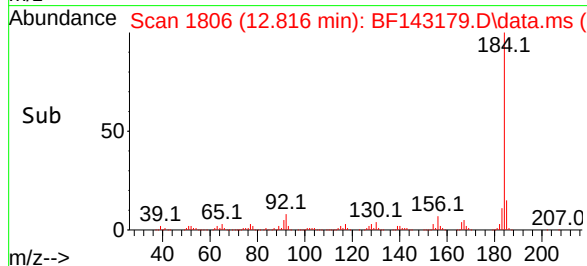
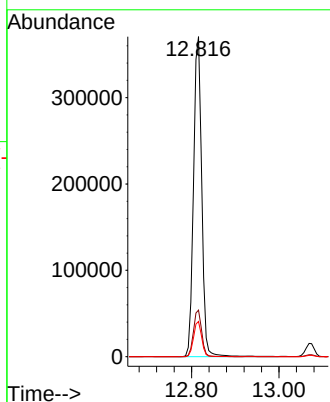
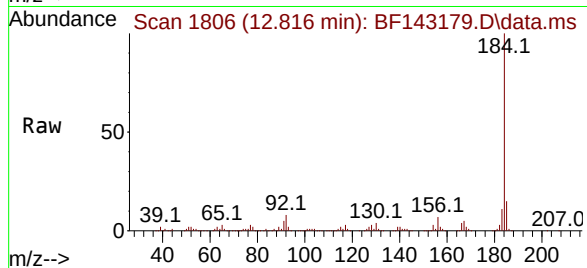
183 11.0 9.0 13.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#78

Pyrene

Concen: 52.781 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

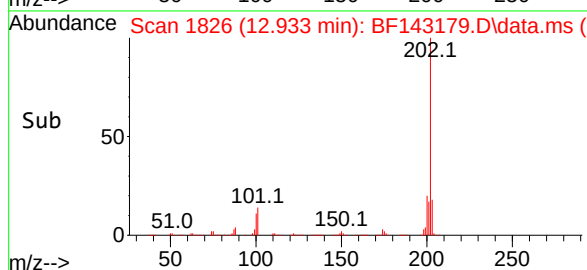
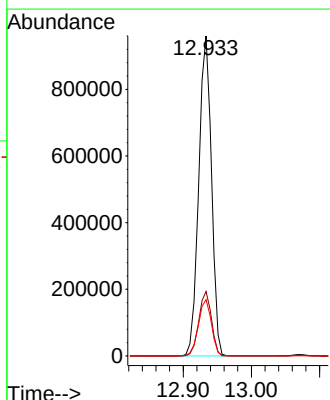
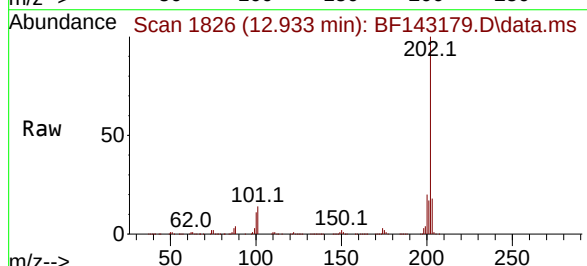
Tgt Ion:202 Resp: 1245151

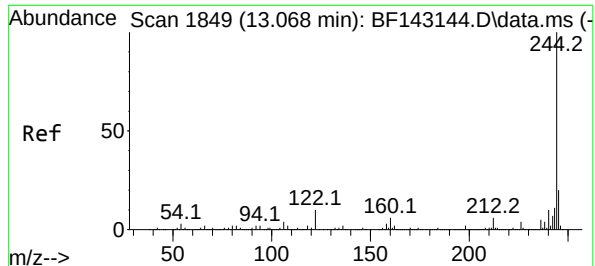
Ion Ratio Lower Upper

202 100

200 20.1 15.7 23.5

203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 89.322 ng

RT: 13.075 min Scan# 1849

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:244 Resp: 1659178

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

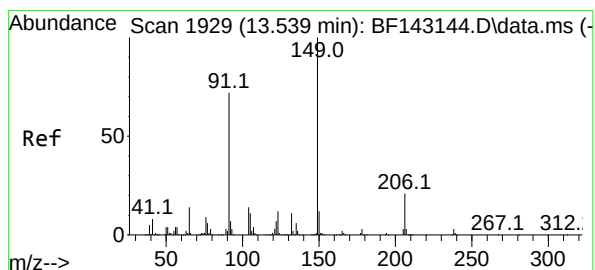
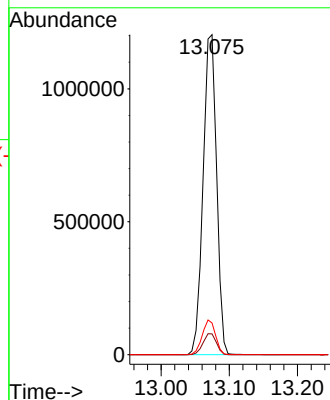
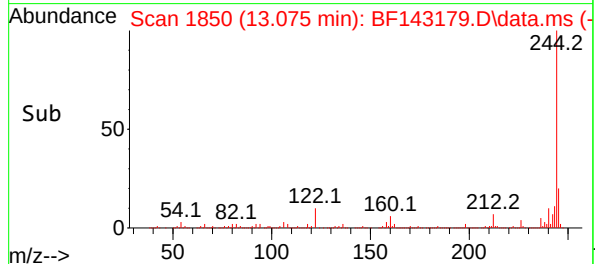
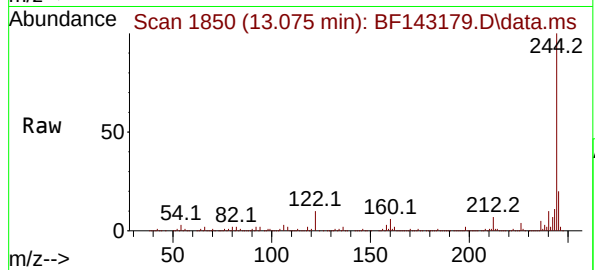
122 9.9 8.2 12.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#80

Butylbenzylphthalate

Concen: 58.084 ng

RT: 13.545 min Scan# 1930

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

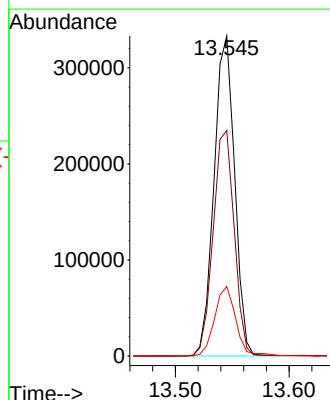
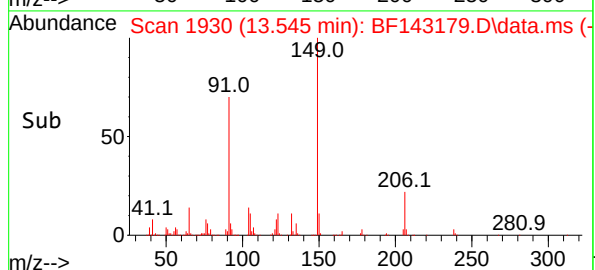
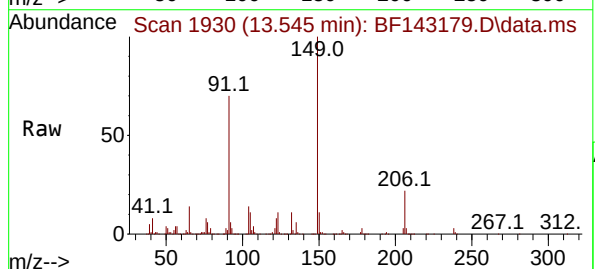
Tgt Ion:149 Resp: 419591

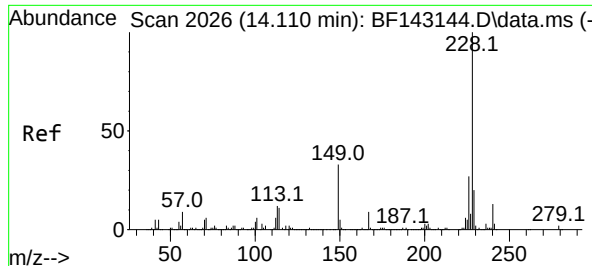
Ion Ratio Lower Upper

149 100

91 70.5 57.9 86.9

206 21.7 17.0 25.4





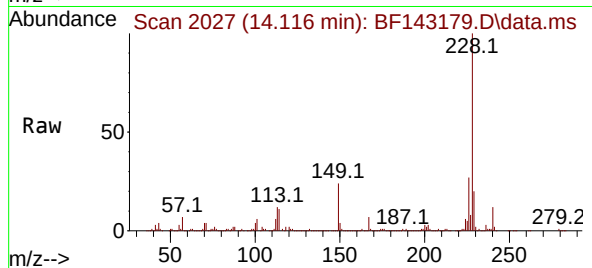
#81
Benzo(a)anthracene
Concen: 45.084 ng
RT: 14.116 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

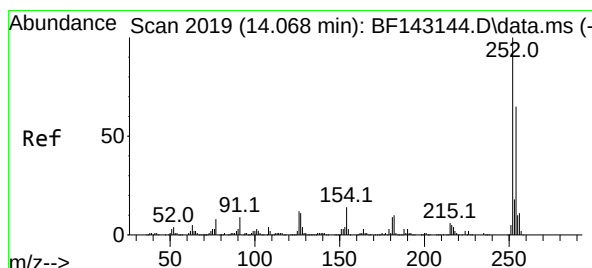
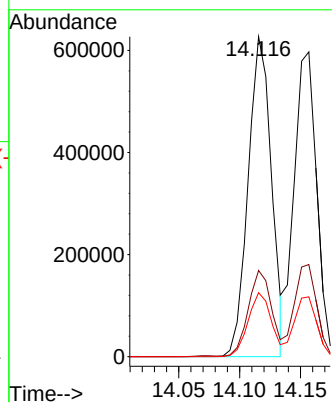
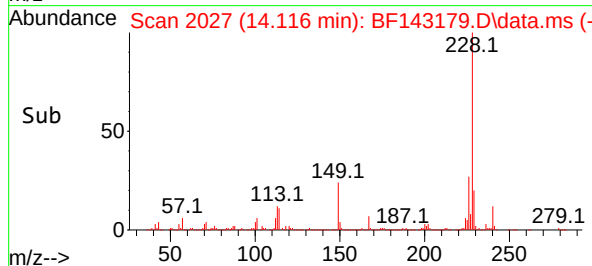


Tgt Ion:228 Resp: 834348
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 20.0 15.8 23.6

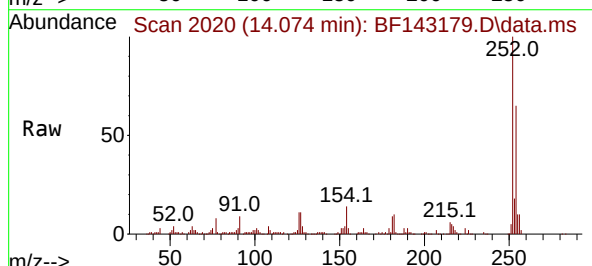
Manual Integrations

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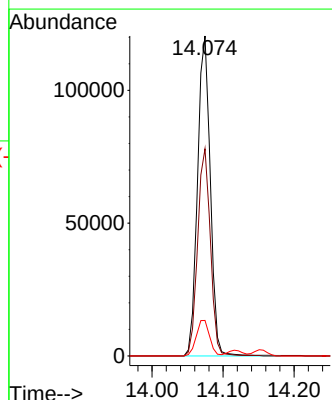
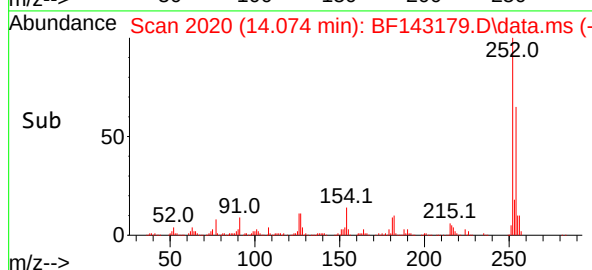
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

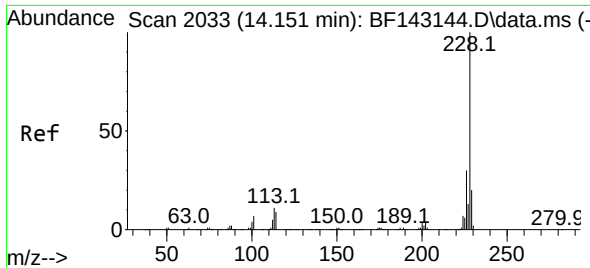


#82
3,3'-Dichlorobenzidine
Concen: 24.469 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



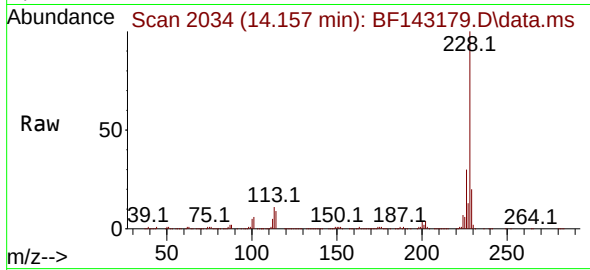
Tgt Ion:252 Resp: 150923
Ion Ratio Lower Upper
252 100
254 64.8 51.7 77.5
126 11.1 9.4 14.0





#83
Chrysene
Concen: 46.508 ng
RT: 14.157 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

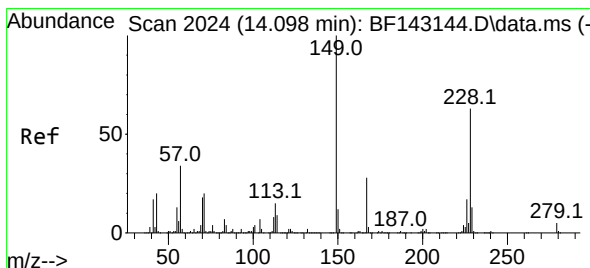
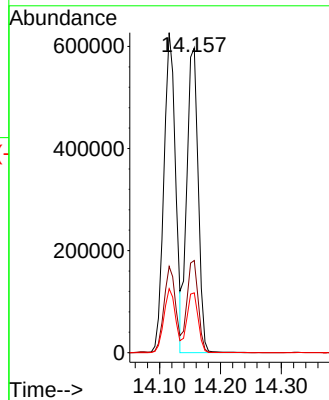
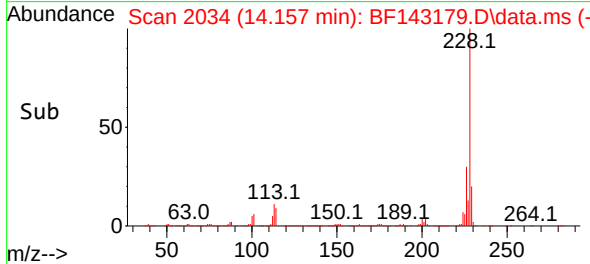
Instrument :
BNA_F
ClientSampleId :
PB168813BS



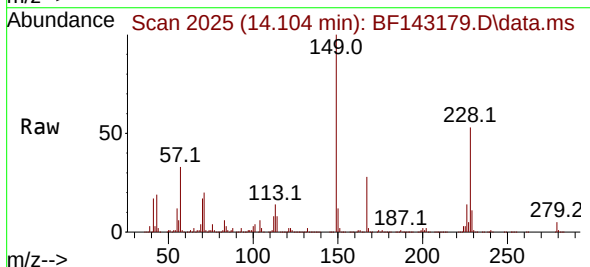
Tgt Ion:228 Resp: 773845
Ion Ratio Lower Upper
228 100
226 30.3 23.8 35.8
229 19.6 15.6 23.4

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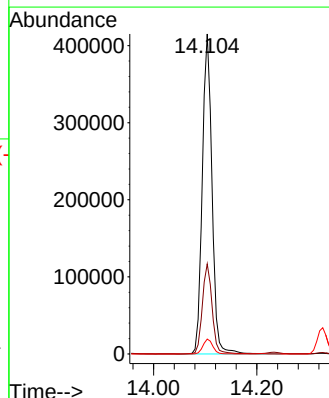
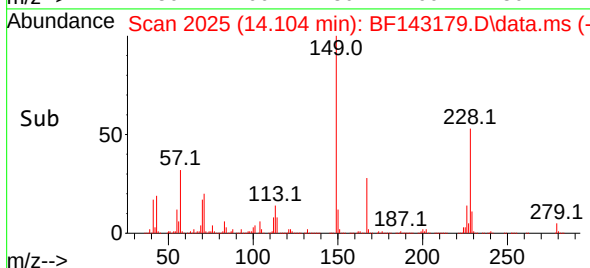
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

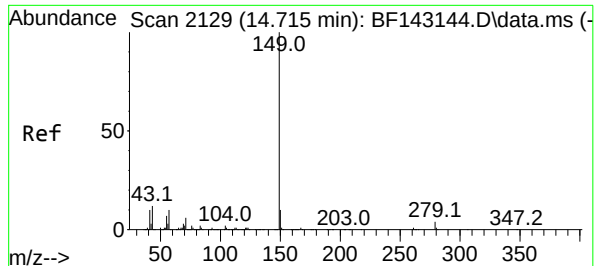


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.581 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



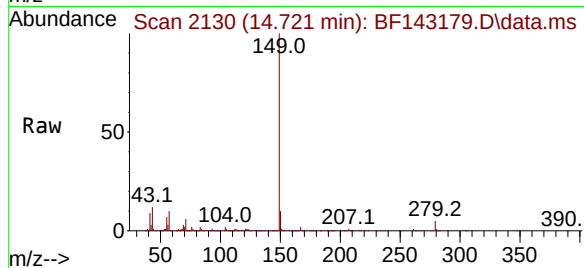
Tgt Ion:149 Resp: 542125
Ion Ratio Lower Upper
149 100
167 28.2 22.3 33.5
279 4.7 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 44.043 ng
RT: 14.721 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

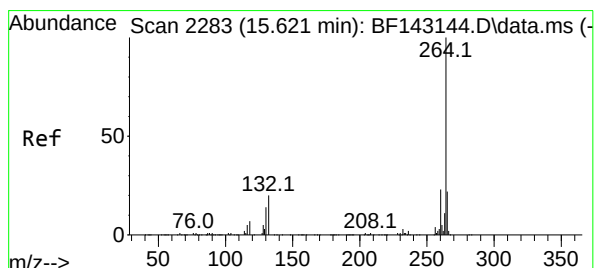
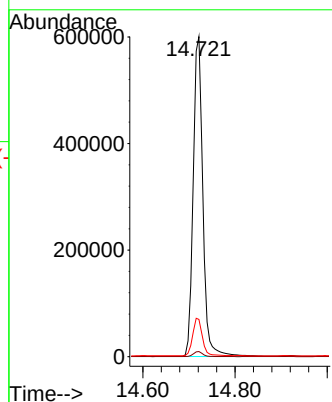
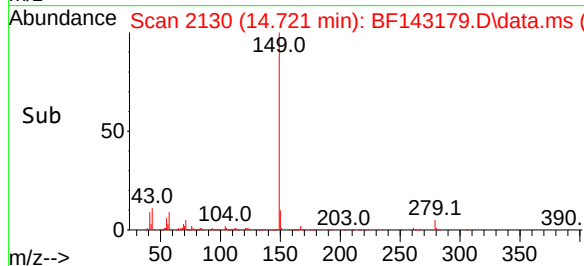
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:149 Resp: 872909
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.6 9.7 14.5

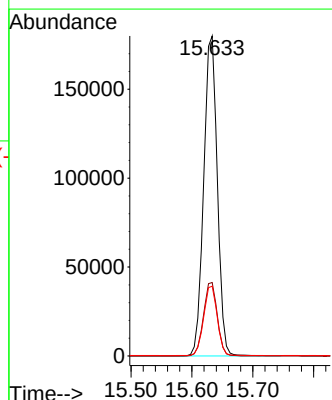
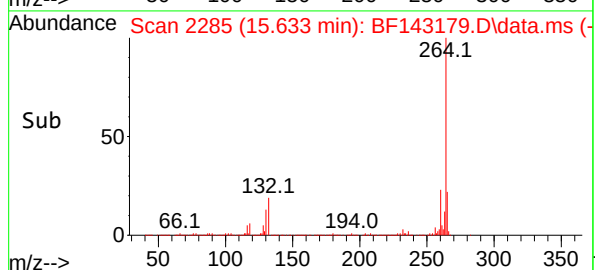
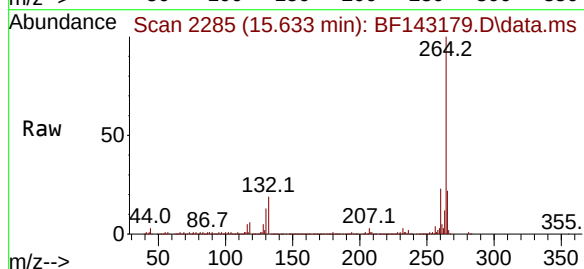
Manual Integrations
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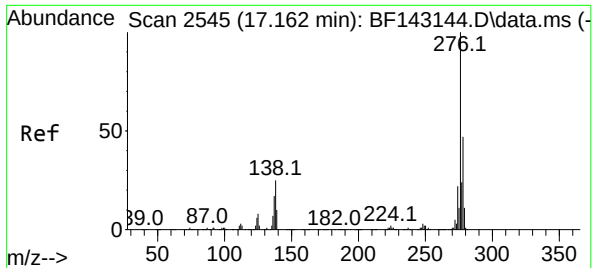
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

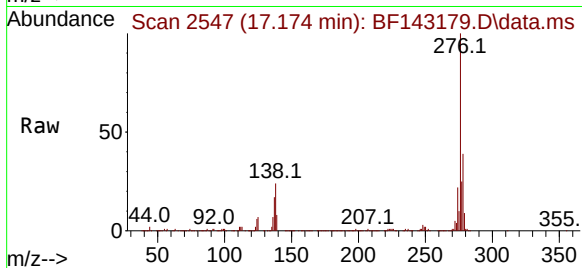
Tgt Ion:264 Resp: 278917
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 21.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 45.847 ng
RT: 17.174 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

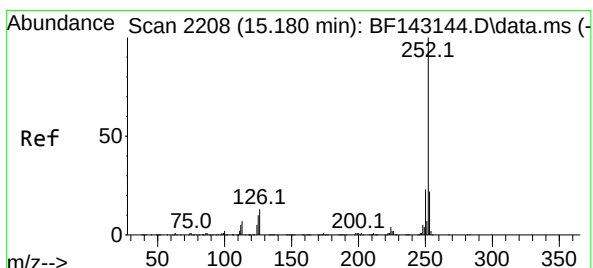
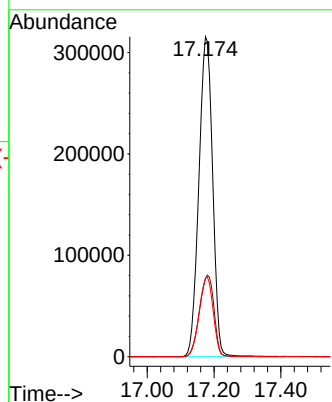
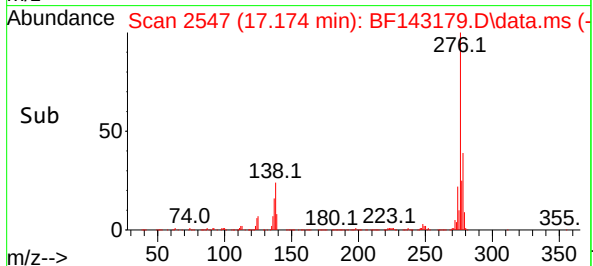
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:276 Resp: 901700
Ion Ratio Lower Upper
276 100
138 26.9 21.8 32.6
277 25.3 20.0 30.0

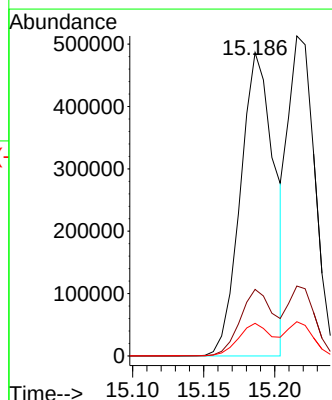
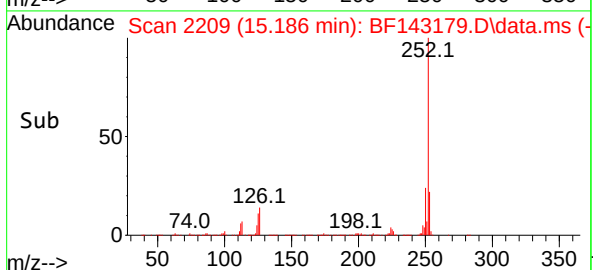
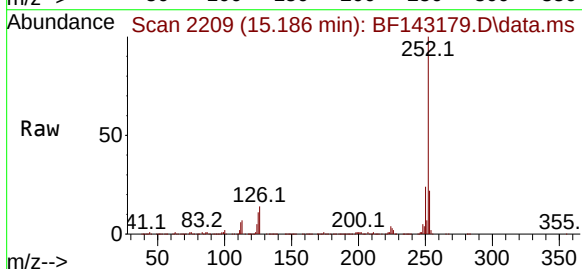
Manual Integrations
APPROVED

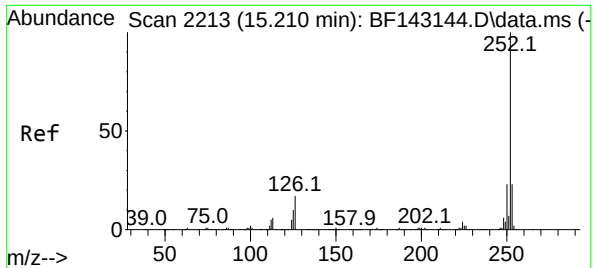
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#88
Benzo(b)fluoranthene
Concen: 47.244 ng
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:252 Resp: 805003
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 10.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 44.106 ng

RT: 15.216 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:252 Resp: 670629

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

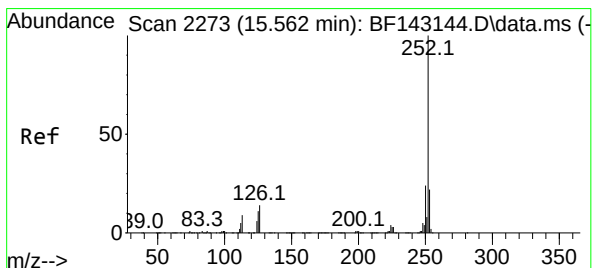
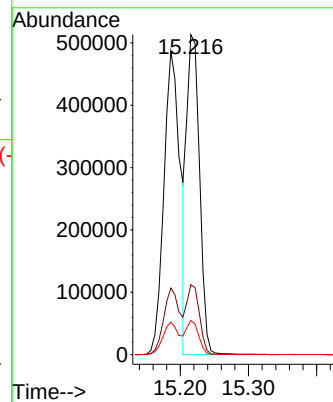
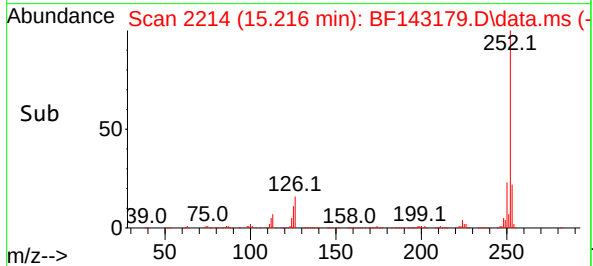
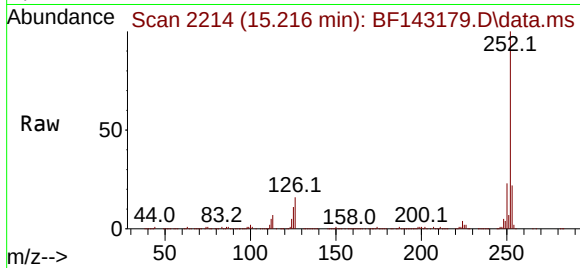
125 10.7 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#90

Benzo(a)pyrene

Concen: 46.279 ng

RT: 15.568 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

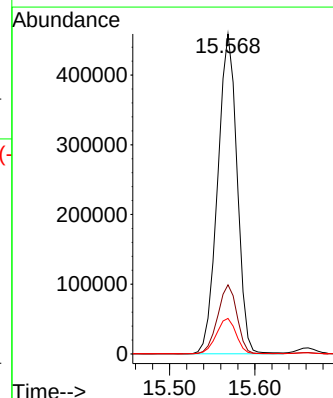
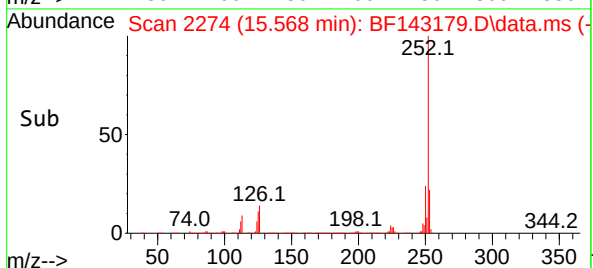
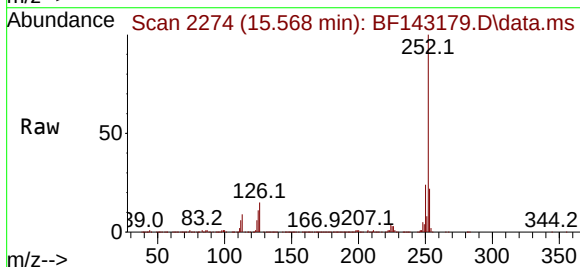
Tgt Ion:252 Resp: 726542

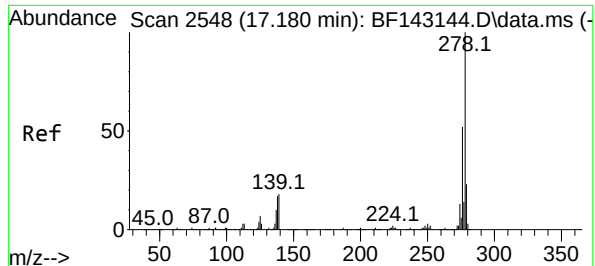
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

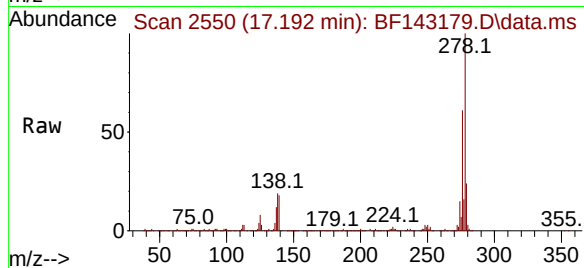
125 11.1 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 45.444 ng
RT: 17.192 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

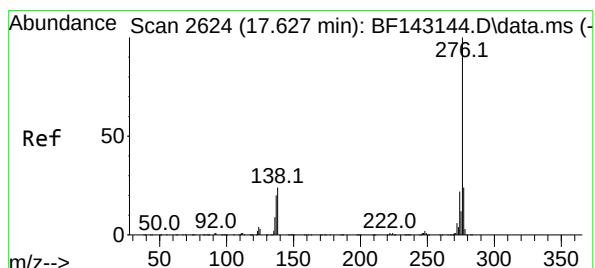
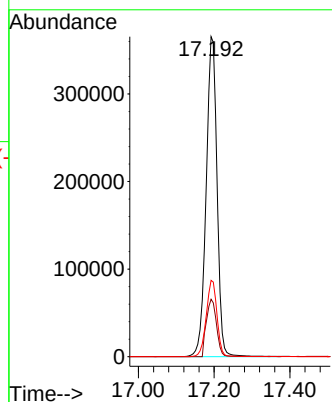
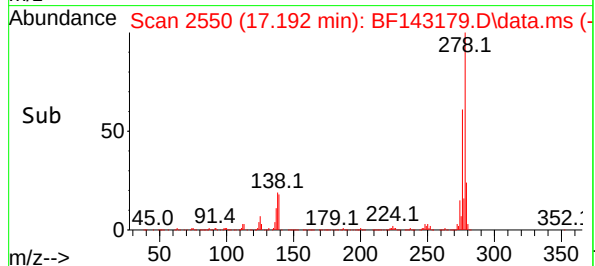
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:278 Resp: 72746
Ion Ratio Lower Upper
278 100
139 18.0 14.1 21.1
279 23.8 18.6 28.0

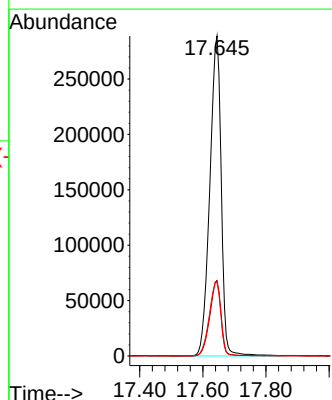
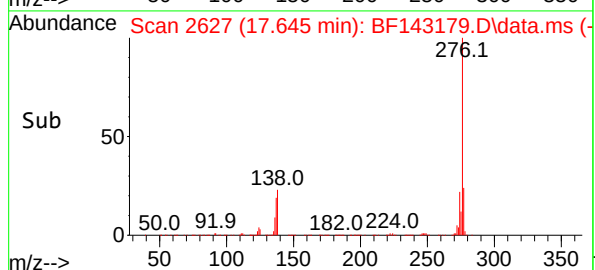
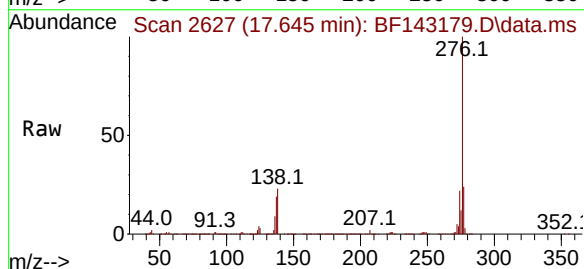
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#92
Benzo(g,h,i)perylene
Concen: 46.754 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:276 Resp: 723992
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 23.0 18.9 28.3



Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	TP-17MS	SDG No.:	Q2558
Lab Sample ID:	Q2571-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOCMS Group3
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143131.D	1	07/11/25 09:50	07/17/25 02:34	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.92		0.016	0.089	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.92		0.018	0.089	0.12	mg/Kg
208-96-8	Acenaphthylene	0.94		0.020	0.089	0.12	mg/Kg
83-32-9	Acenaphthene	0.89		0.015	0.089	0.12	mg/Kg
86-73-7	Fluorene	0.90		0.017	0.089	0.12	mg/Kg
85-01-8	Phenanthrene	0.92		0.014	0.089	0.12	mg/Kg
120-12-7	Anthracene	0.93		0.023	0.089	0.12	mg/Kg
206-44-0	Fluoranthene	0.93		0.021	0.089	0.12	mg/Kg
129-00-0	Pyrene	0.75		0.025	0.089	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	0.97		0.016	0.089	0.12	mg/Kg
218-01-9	Chrysene	0.95		0.014	0.089	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.10		0.013	0.089	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.89		0.015	0.089	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.00		0.020	0.089	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.79		0.020	0.089	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.78		0.019	0.089	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.73		0.018	0.089	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	64.4		37 - 122		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.9		44 - 115		54%	SPK: 100
1718-51-0	Terphenyl-d14	42.0	*	54 - 127		42%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	154000		6.969			
1146-65-2	Naphthalene-d8	580000		8.251			
15067-26-2	Acenaphthene-d10	275000		10.004			
1517-22-2	Phenanthrene-d10	404000		11.486			
1719-03-5	Chrysene-d12	269000		14.133			
1520-96-3	Perylene-d12	324000		15.639			

Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	TP-17MS	SDG No.:	Q2558
Lab Sample ID:	Q2571-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143131.D	1	07/11/25 09:50	07/17/25 02:34	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\BF071625\
 Data File : BF143131.D
 Acq On : 17 Jul 2025 02:34
 Operator : RC/JU
 Sample : Q2571-05MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17MS

Quant Time: Jul 17 03:48:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	153802	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	579798	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	274749	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	404136	20.000	ng	0.00
76) Chrysene-d12	14.133	240	268901	20.000	ng	0.00
86) Perylene-d12	15.639	264	324370	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	800697	82.252	ng	0.01
7) Phenol-d6	6.587	99	1041030	85.076	ng	0.00
23) Nitrobenzene-d5	7.522	82	665365	64.377	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	199903	81.600	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1113827	53.889	ng	0.00
79) Terphenyl-d14	13.069	244	773093	42.027	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.899	88	164158	33.876	ng	100
3) Pyridine	3.652	79	440739	35.918	ng	99
4) n-Nitrosodimethylamine	3.593	42	258611	40.678	ng	99
6) Aniline	6.628	93	403703	23.428	ng	99
8) 2-Chlorophenol	6.751	128	411125	42.035	ng	99
9) Benzaldehyde	6.516	77	302020	32.392	ng	98
10) Phenol	6.604	94	548921	41.438	ng	100
11) bis(2-Chloroethyl)ether	6.698	93	407895	39.775	ng	99
12) 1,3-Dichlorobenzene	6.910	146	437751	39.617	ng	99
13) 1,4-Dichlorobenzene	6.987	146	437809	39.384	ng	99
14) 1,2-Dichlorobenzene	7.140	146	422845	39.888	ng	98
15) Benzyl Alcohol	7.098	79	380836	42.003	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	753677	39.869	ng	99
17) 2-Methylphenol	7.210	107	345099	40.887	ng	99
18) Hexachloroethane	7.487	117	151457	41.852	ng	96
19) n-Nitroso-di-n-propyla...	7.375	70	302780	40.389	ng	100
20) 3+4-Methylphenols	7.363	107	424295	40.991	ng	97
22) Acetophenone	7.369	105	562591	40.253	ng	# 93
24) Nitrobenzene	7.545	77	444251	44.525	ng	98
25) Isophorone	7.781	82	835156	41.806	ng	99
26) 2-Nitrophenol	7.863	139	180511	45.496	ng	99
27) 2,4-Dimethylphenol	7.892	122	382507	41.254	ng	100
28) bis(2-Chloroethoxy)met...	7.992	93	506341	41.798	ng	99
29) 2,4-Dichlorophenol	8.098	162	321458	42.379	ng	100
30) 1,2,4-Trichlorobenzene	8.187	180	350435	40.708	ng	98
31) Naphthalene	8.269	128	1165944	40.495	ng	100
33) 4-Chloroaniline	8.310	127	147433	12.734	ng	98
34) Hexachlorobutadiene	8.392	225	217703	42.286	ng	100
35) Caprolactam	8.663	113	93345	39.408	ng	97
36) 4-Chloro-3-methylphenol	8.786	107	353459	41.831	ng	97
37) 2-Methylnaphthalene	8.963	142	697441	40.605	ng	99
38) 1-Methylnaphthalene	9.063	142	718769	40.346	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	337867	42.197	ng	99
41) Hexachlorocyclopentadiene	9.122	237	308813	69.565	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	208024	41.813	ng	99
44) 2,4,5-Trichlorophenol	9.275	196	224311	42.999	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143131.D
 Acq On : 17 Jul 2025 02:34
 Operator : RC/JU
 Sample : Q2571-05MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17MS

Quant Time: Jul 17 03:48:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

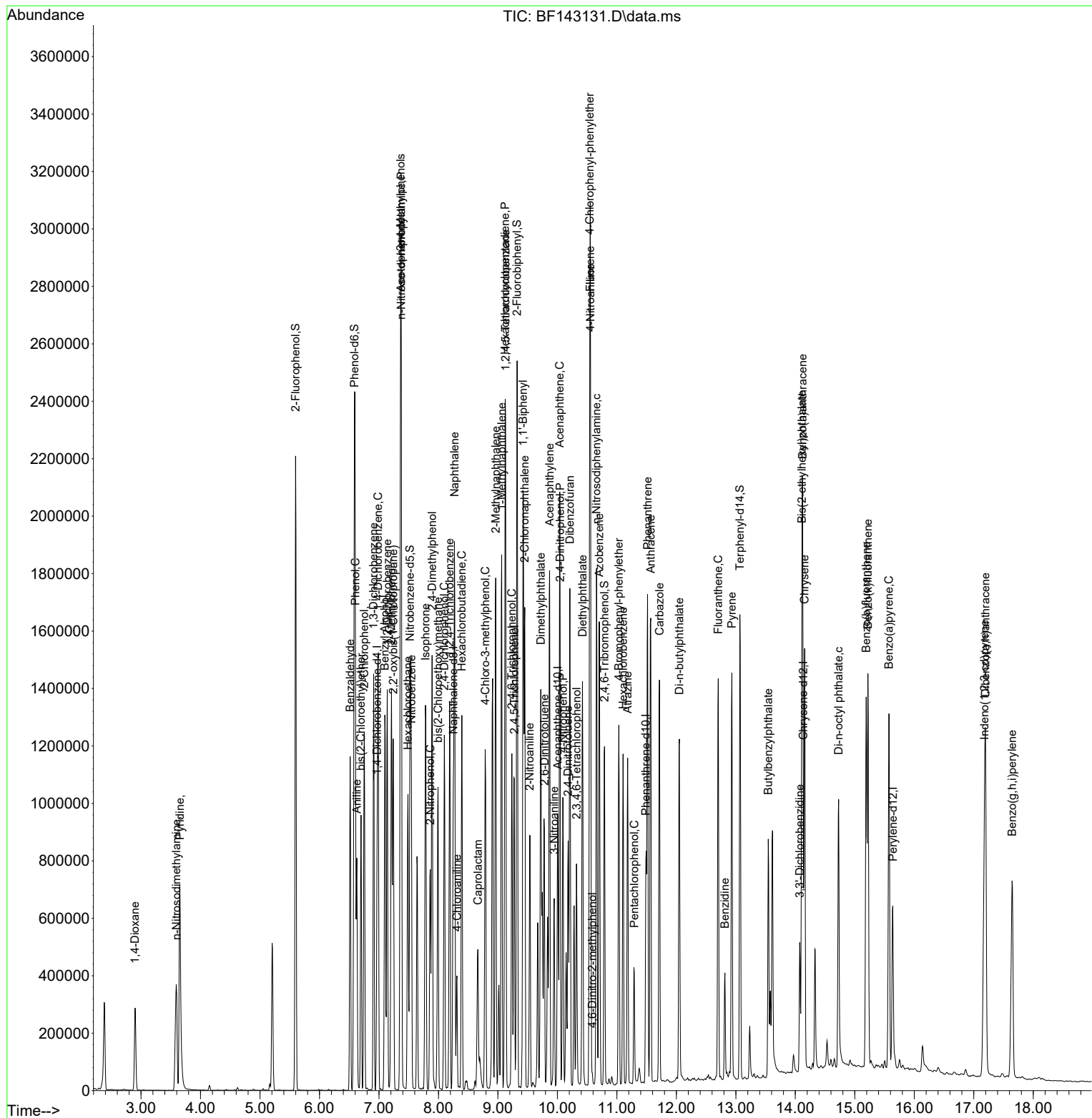
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.422	154	918974	41.942	ng	100
47) 2-Chloronaphthalene	9.451	162	671890	41.742	ng	100
48) 2-Nitroaniline	9.534	65	214232	44.804	ng	99
49) Acenaphthylene	9.869	152	1110952	41.420	ng	100
50) Dimethylphthalate	9.722	163	758469	43.880	ng	99
51) 2,6-Dinitrotoluene	9.781	165	155746	45.740	ng	89
52) Acenaphthene	10.039	154	622567	39.334	ng	98
53) 3-Nitroaniline	9.945	138	128666	34.449	ng	95
54) 2,4-Dinitrophenol	10.045	184	3818	8.800	ng	# 1
55) Dibenzofuran	10.210	168	954263	40.449	ng	100
56) 4-Nitrophenol	10.092	139	205928	69.375	ng	98
57) 2,4-Dinitrotoluene	10.181	165	190989	45.006	ng	98
58) Fluorene	10.551	166	698855	39.512	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	125120	30.182	ng	99
60) Diethylphthalate	10.422	149	726438	43.562	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	346653	40.891	ng	100
62) 4-Nitroaniline	10.557	138	138893	42.763	ng	99
63) Azobenzene	10.704	77	822670	44.607	ng	95
65) 4,6-Dinitro-2-methylph...	10.586	198	5912	9.550	ng	91
66) n-Nitrosodiphenylamine	10.657	169	629474	44.342	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	203399	44.257	ng	99
68) Hexachlorobenzene	11.104	284	207516	42.555	ng	98
69) Atrazine	11.180	200	174175	47.957	ng	99
70) Pentachlorophenol	11.292	266	63118	23.592	ng	99
71) Phenanthrene	11.516	178	883304	40.499	ng	99
72) Anthracene	11.569	178	901465	41.101	ng	100
73) Carbazole	11.716	167	801614	40.796	ng	100
74) Di-n-butylphthalate	12.051	149	888295	49.250	ng	100
75) Fluoranthene	12.704	202	811244	40.906	ng	99
77) Benzidine	12.816	184	199220	21.746	ng	99
78) Pyrene	12.933	202	818482	32.805	ng	100
80) Butylbenzylphthalate	13.545	149	236112	47.168	ng	96
81) Benzo(a)anthracene	14.121	228	767144	42.813	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	127120	24.430	ng	100
83) Chrysene	14.157	228	687824	41.678	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	363289	48.051	ng	99
85) Di-n-octyl phthalate	14.727	149	705195	49.122	ng	97
87) Indeno(1,2,3-cd)pyrene	17.180	276	837824	34.728	ng	99
88) Benzo(b)fluoranthene	15.192	252	883083	47.198	ng	99
89) Benzo(k)fluoranthene	15.221	252	697281	39.064	ng	100
90) Benzo(a)pyrene	15.574	252	780700	44.118	ng	100
91) Dibenzo(a,h)anthracene	17.198	278	676587	34.307	ng	99
92) Benzo(g,h,i)perylene	17.645	276	646206	32.139	ng	99

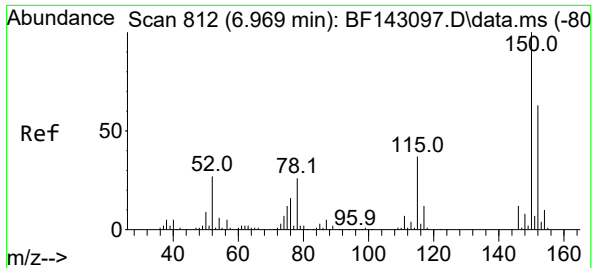
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143131.D
Acq On : 17 Jul 2025 02:34
Operator : RC/JU
Sample : Q2571-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17MS

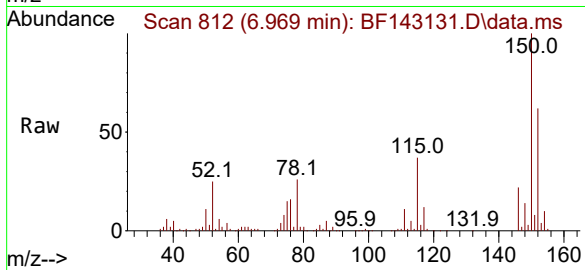
Quant Time: Jul 17 03:48:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



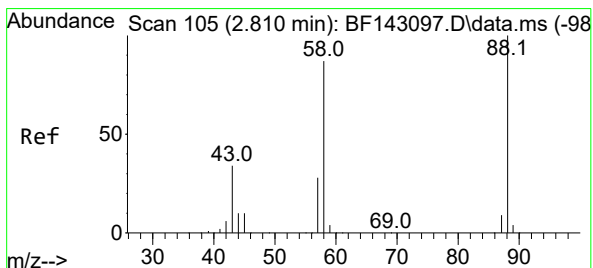
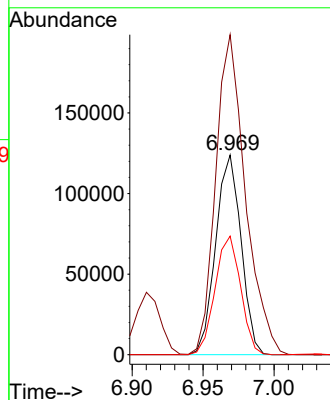
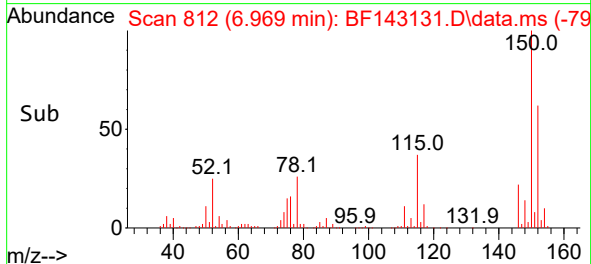


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

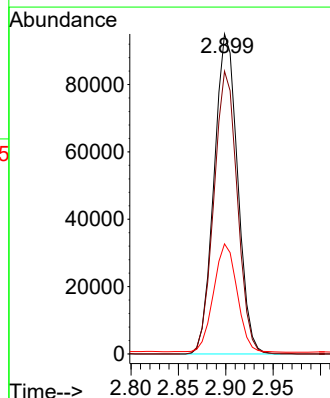
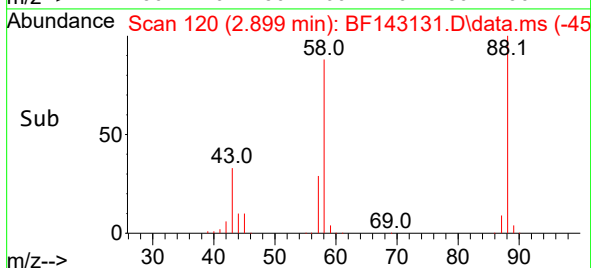
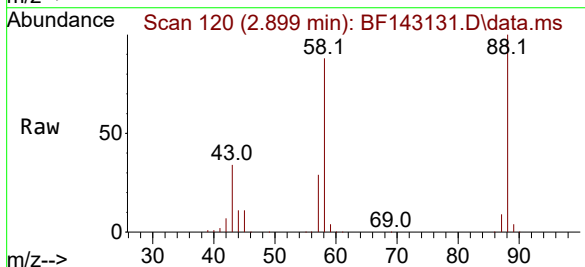


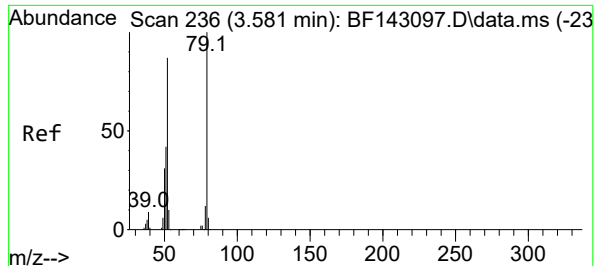
Tgt Ion:152 Resp: 153802
Ion Ratio Lower Upper
152 100
150 160.2 126.5 189.7
115 59.4 47.0 70.6



#2
1,4-Dioxane
Concen: 33.876 ng
RT: 2.899 min Scan# 120
Delta R.T. 0.088 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 88 Resp: 164158
Ion Ratio Lower Upper
88 100
58 88.3 70.5 105.7
43 34.2 27.3 40.9

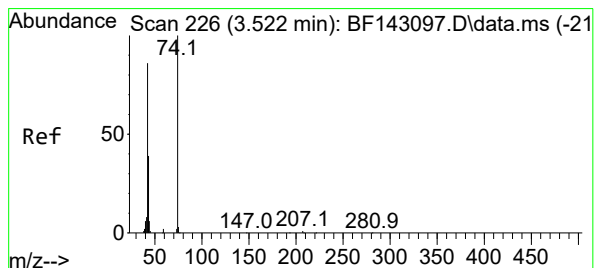
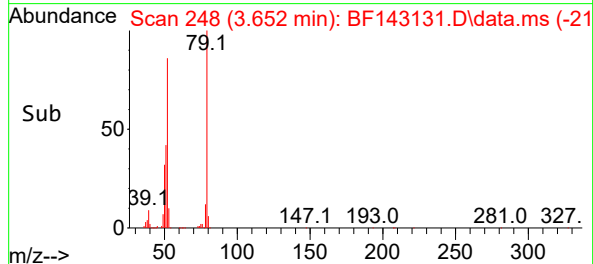
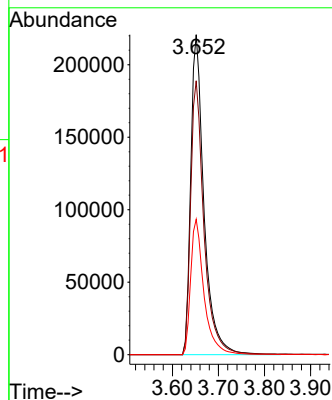
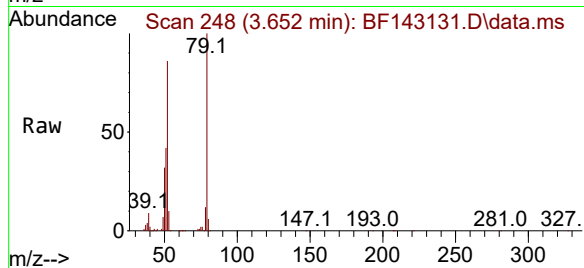




#3
Pyridine
Concen: 35.918 ng
RT: 3.652 min Scan# 24
Delta R.T. 0.071 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

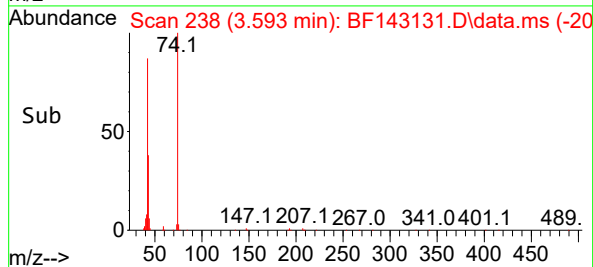
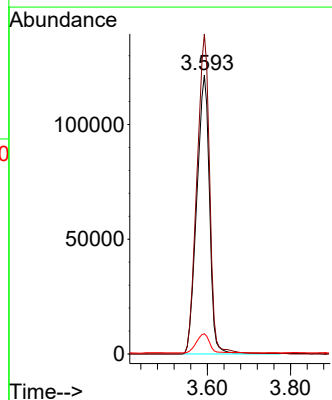
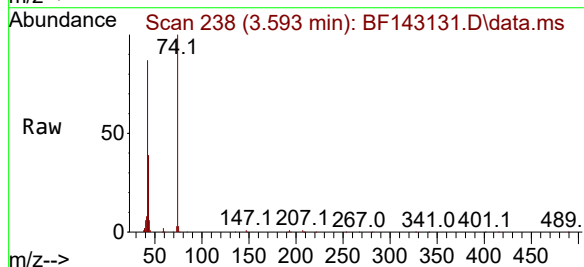
Instrument :
BNA_F
ClientSampleId :
TP-17MS

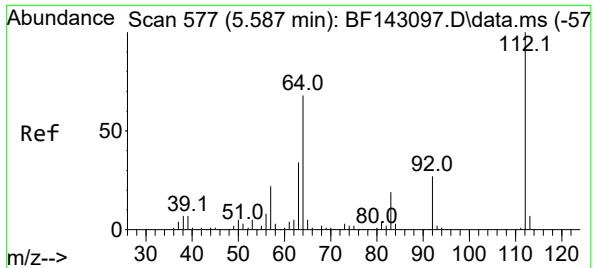
Tgt Ion: 79 Resp: 440739
Ion Ratio Lower Upper
79 100
52 85.6 69.2 103.8
51 42.3 33.3 49.9



#4
n-Nitrosodimethylamine
Concen: 40.678 ng
RT: 3.593 min Scan# 238
Delta R.T. 0.071 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 42 Resp: 258611
Ion Ratio Lower Upper
42 100
74 114.7 92.8 139.2
44 7.2 5.8 8.6

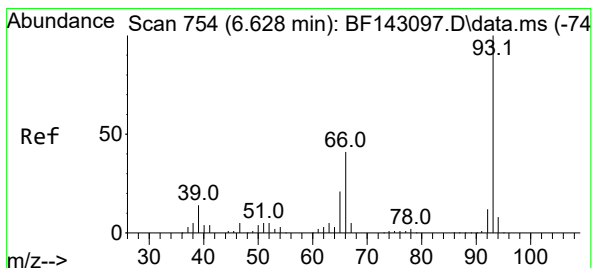
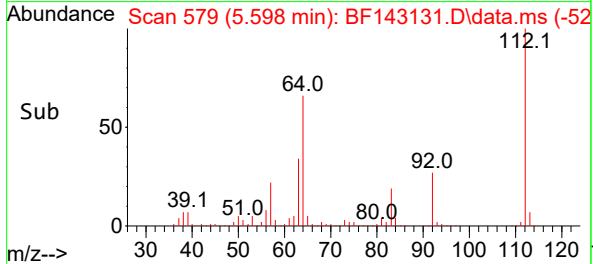
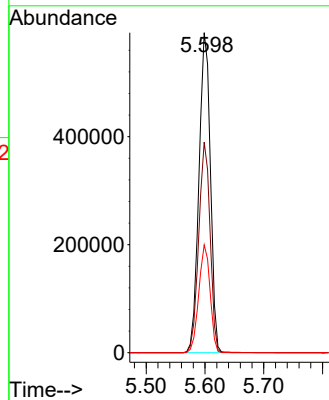
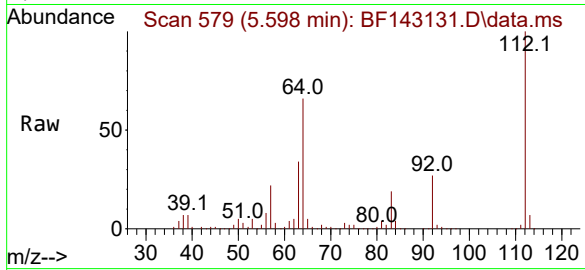




#5
2-Fluorophenol
Concen: 82.252 ng
RT: 5.598 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

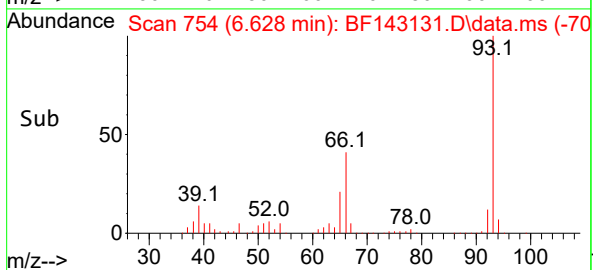
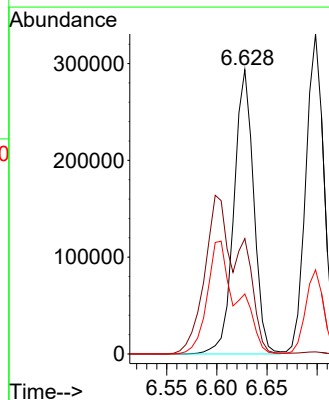
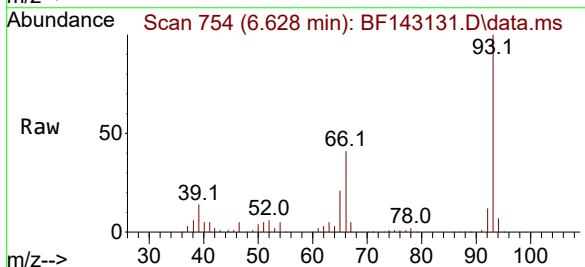
Instrument :
BNA_F
ClientSampleId :
TP-17MS

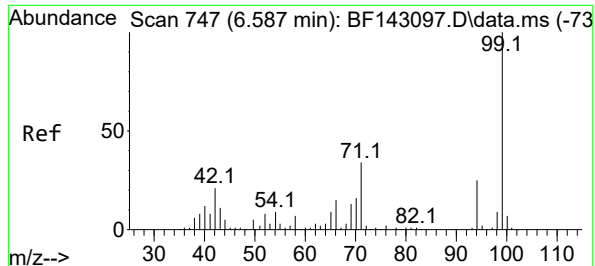
Tgt Ion:112 Resp: 800697
Ion Ratio Lower Upper
112 100
64 65.8 54.6 82.0
63 33.7 27.3 40.9



#6
Aniline
Concen: 23.428 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 93 Resp: 403703
Ion Ratio Lower Upper
93 100
66 40.6 33.1 49.7
65 21.1 16.9 25.3





#7

Phenol-d6

Concen: 85.076 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

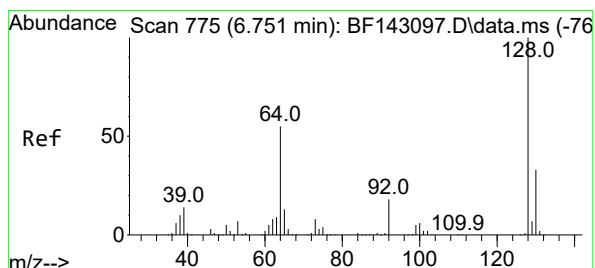
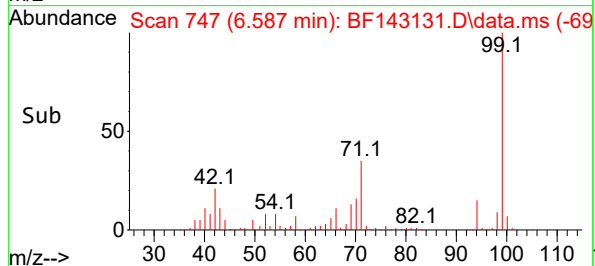
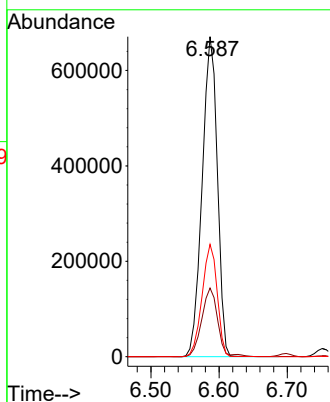
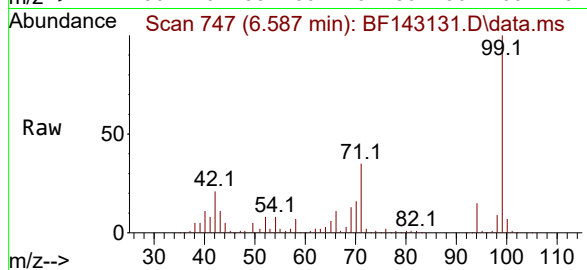
BNA_F

ClientSampleId :

TP-17MS

Tgt Ion: 99 Resp: 1041030

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	35.1	27.4	41.0



#8

2-Chlorophenol

Concen: 42.035 ng

RT: 6.751 min Scan# 775

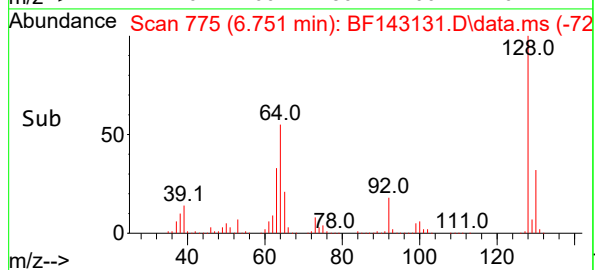
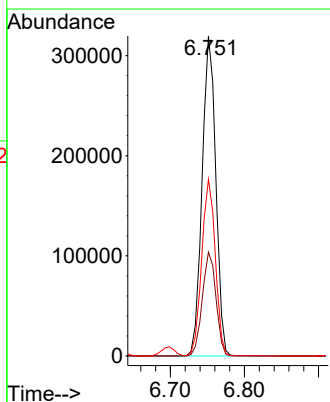
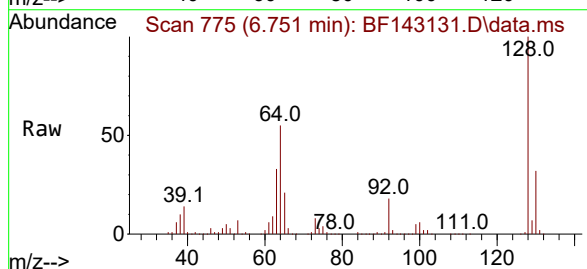
Delta R.T. 0.000 min

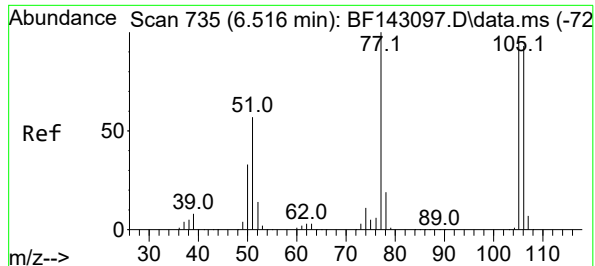
Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Tgt Ion: 128 Resp: 411125

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.8	52.8
64	55.3	36.1	76.1





#9

Benzaldehyde

Concen: 32.392 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

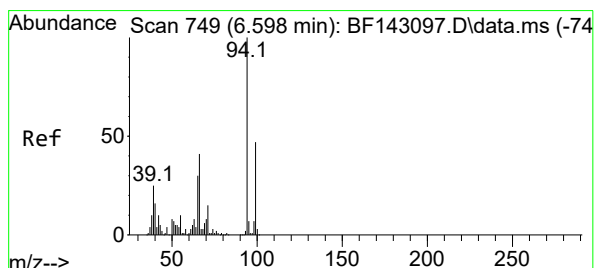
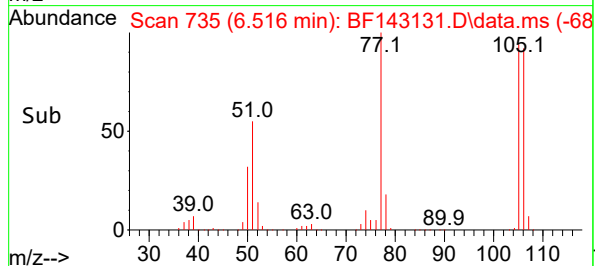
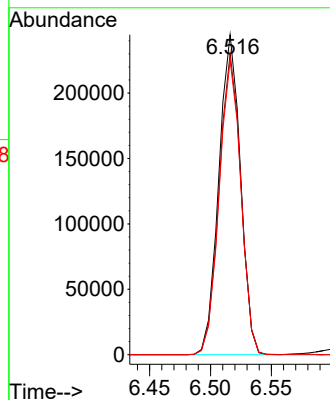
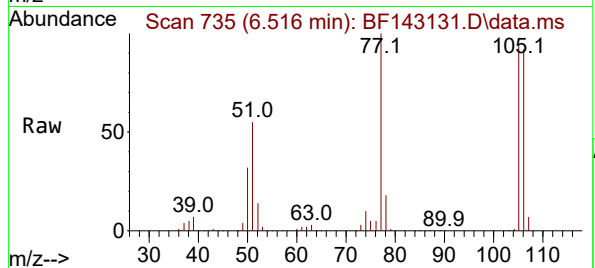
Tgt Ion: 77 Resp: 302020

Ion Ratio Lower Upper

77 100

105 94.1 76.3 116.3

106 92.0 72.8 112.8



#10

Phenol

Concen: 41.438 ng

RT: 6.604 min Scan# 750

Delta R.T. 0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

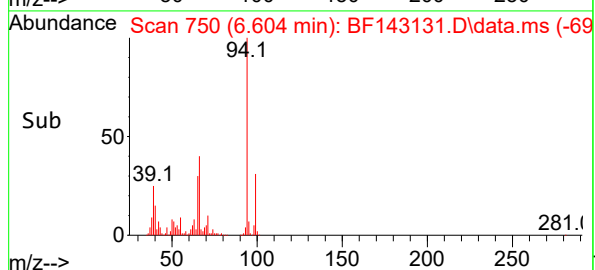
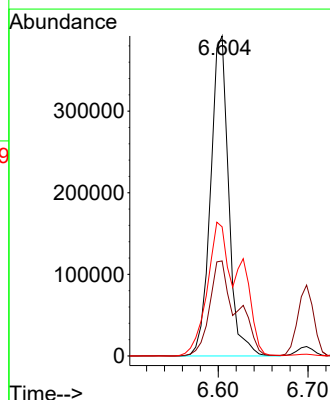
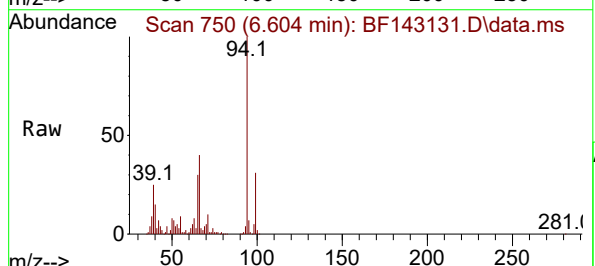
Tgt Ion: 94 Resp: 548921

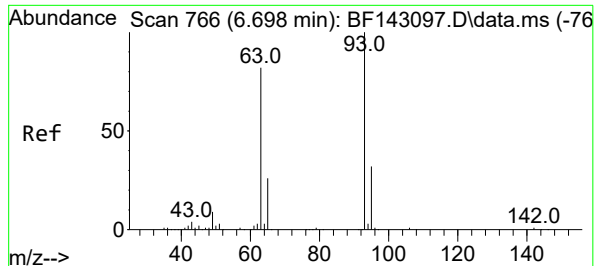
Ion Ratio Lower Upper

94 100

65 29.7 9.8 49.8

66 40.4 20.5 60.5

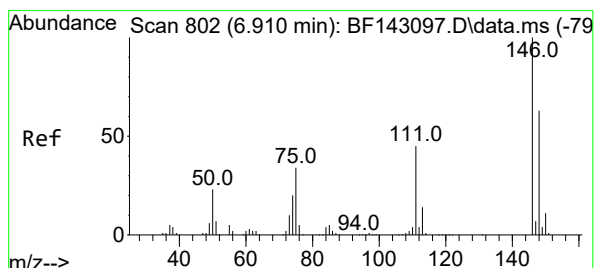
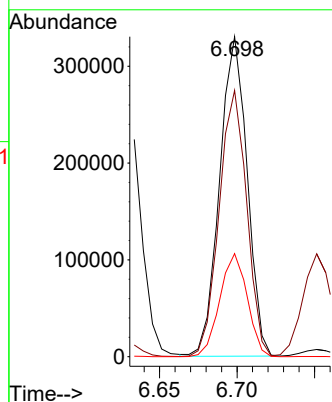
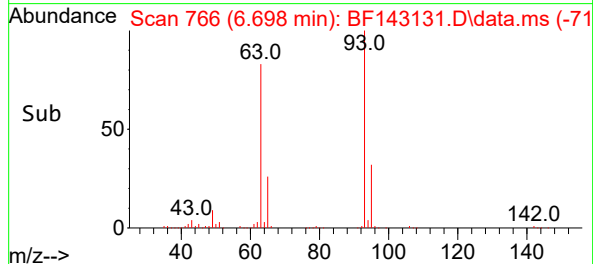
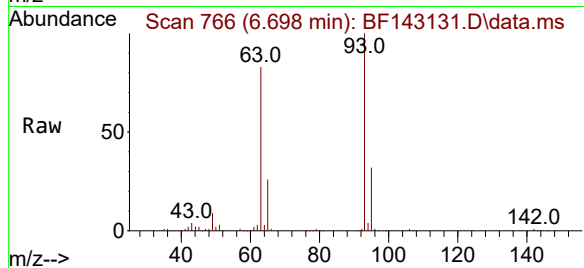




#11
bis(2-Chloroethyl)ether
Concen: 39.775 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

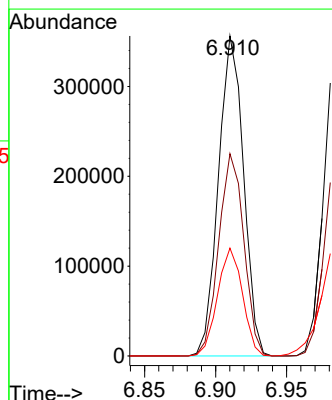
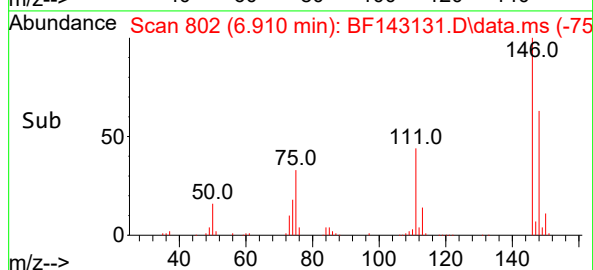
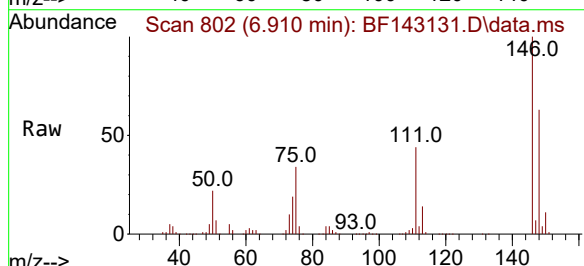
Instrument :
BNA_F
ClientSampleId :
TP-17MS

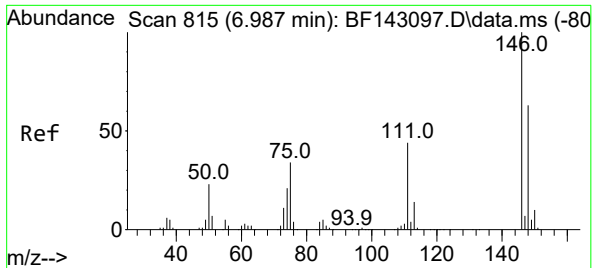
Tgt Ion: 93 Resp: 407895
Ion Ratio Lower Upper
93 100
63 83.2 61.9 101.9
95 32.2 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 39.617 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 146 Resp: 437751
Ion Ratio Lower Upper
146 100
148 63.2 50.1 75.1
75 33.7 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 39.384 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

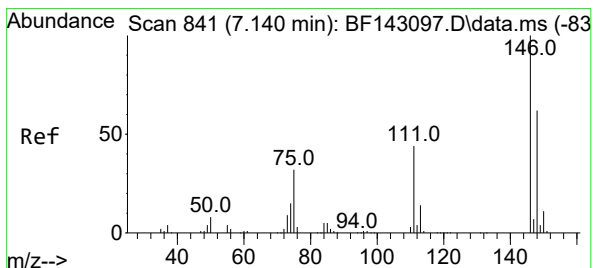
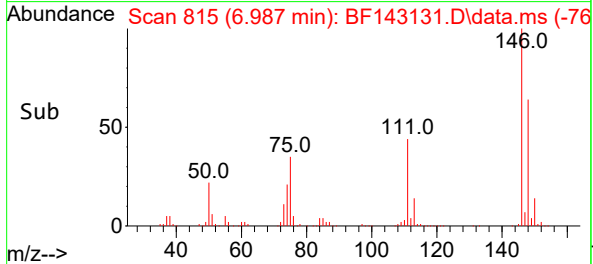
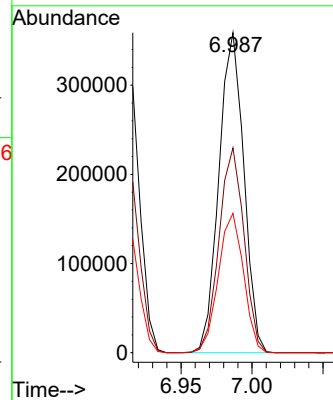
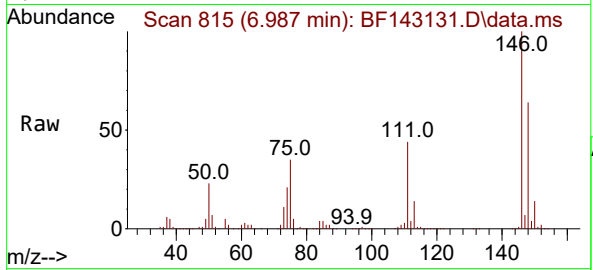
Tgt Ion:146 Resp: 437809

Ion Ratio Lower Upper

146 100

148 64.0 50.6 76.0

111 43.6 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 39.888 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

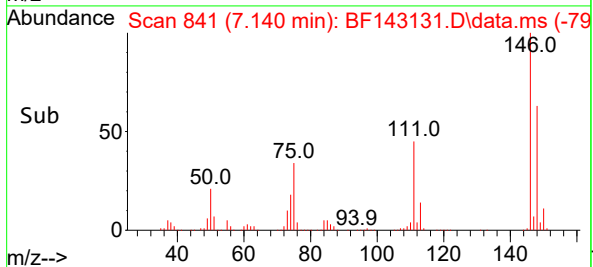
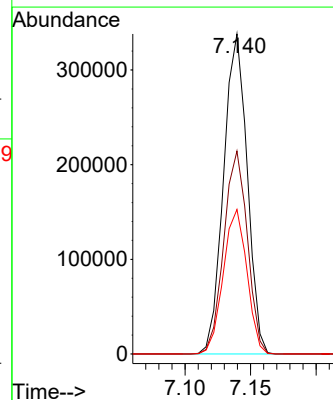
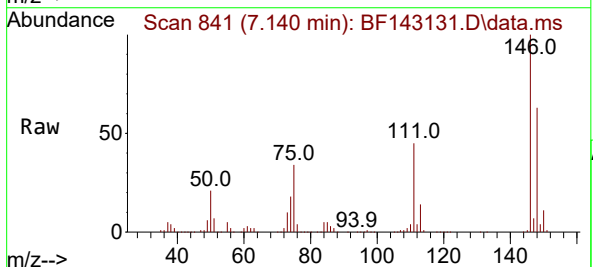
Tgt Ion:146 Resp: 422845

Ion Ratio Lower Upper

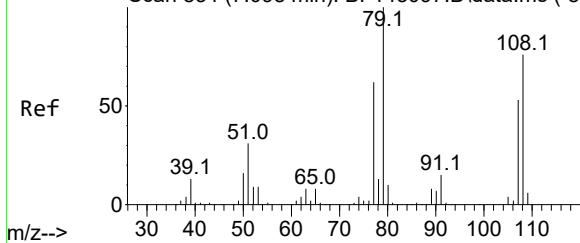
146 100

148 63.4 49.8 74.6

111 45.1 35.4 53.0



Abundance Scan 834 (7.098 min): BF143097.D\data.ms (-82



#15

Benzyl Alcohol

Concen: 42.003 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

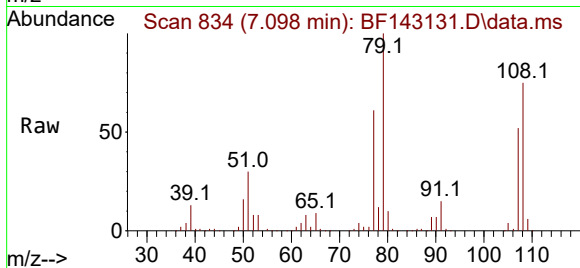
Tgt Ion: 79 Resp: 380836

Ion Ratio Lower Upper

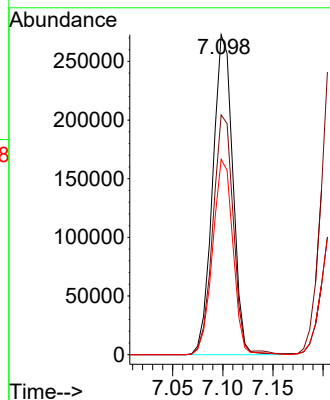
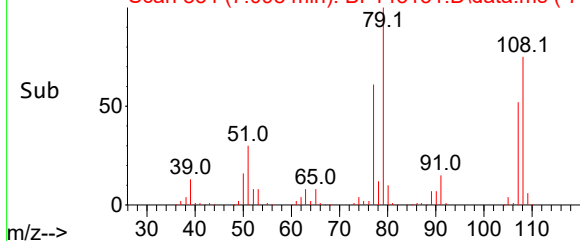
79 100

108 74.9 61.1 91.7

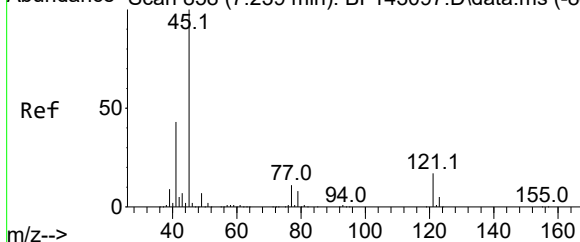
77 61.1 49.9 74.9



Abundance Scan 834 (7.098 min): BF143131.D\data.ms (-78



Abundance Scan 858 (7.239 min): BF143097.D\data.ms (-84



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.869 ng

RT: 7.240 min Scan# 858

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

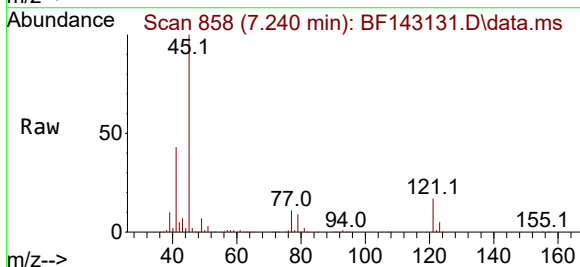
Tgt Ion: 45 Resp: 753677

Ion Ratio Lower Upper

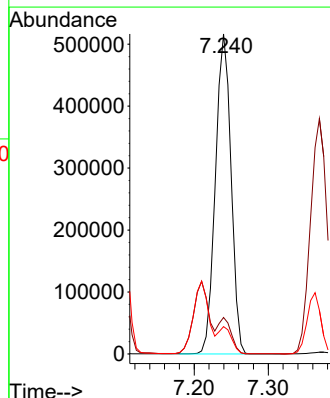
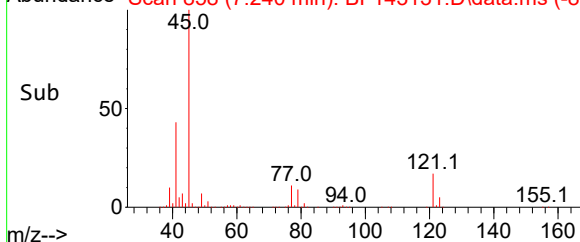
45 100

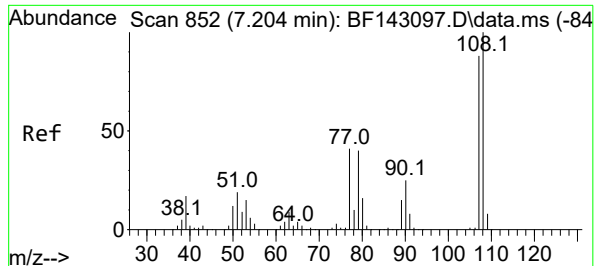
77 11.4 0.0 31.1

79 8.6 0.0 28.4



Abundance Scan 858 (7.240 min): BF143131.D\data.ms (-80

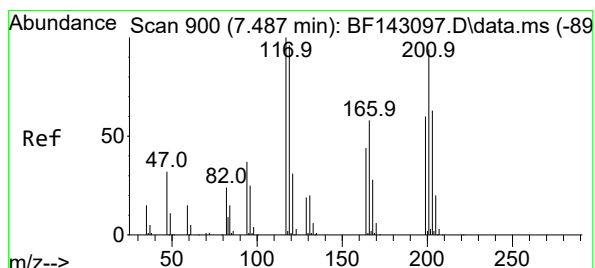
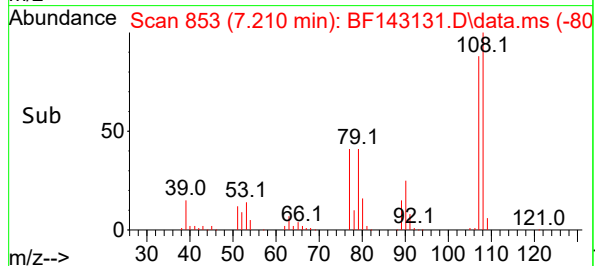
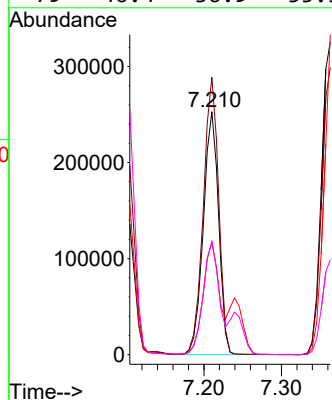
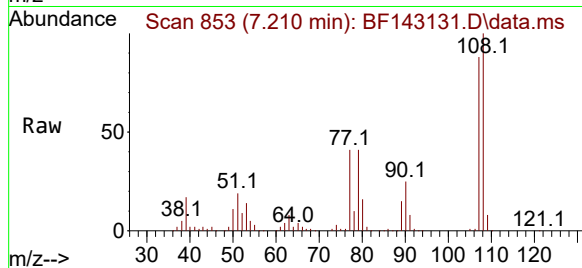




#17
2-Methylphenol
Concen: 40.887 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

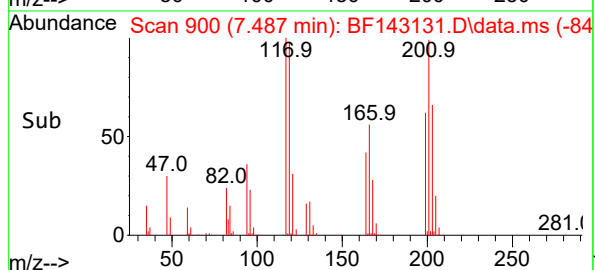
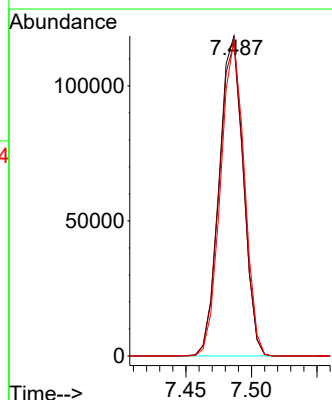
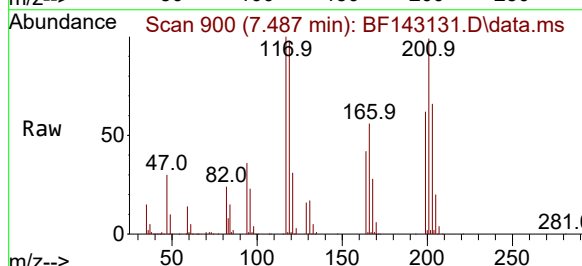
Instrument :
BNA_F
ClientSampleId :
TP-17MS

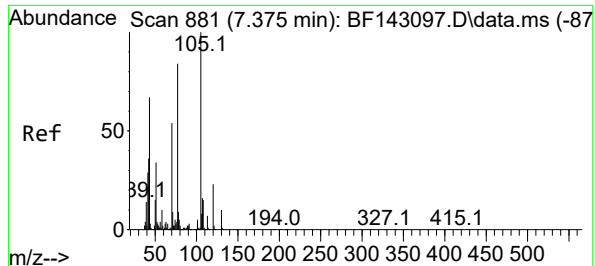
Tgt Ion:107 Resp: 345099
Ion Ratio Lower Upper
107 100
108 114.1 90.9 136.3
77 46.4 37.5 56.3
79 46.4 36.9 55.3



#18
Hexachloroethane
Concen: 41.852 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:117 Resp: 151457
Ion Ratio Lower Upper
117 100
119 97.7 76.7 115.1
201 98.8 75.0 112.4





#19

n-Nitroso-di-n-propylamine

Concen: 40.389 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

Tgt Ion: 70 Resp: 302780

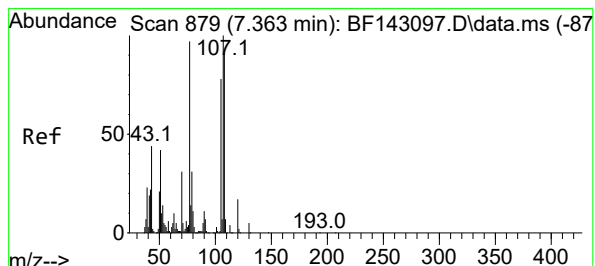
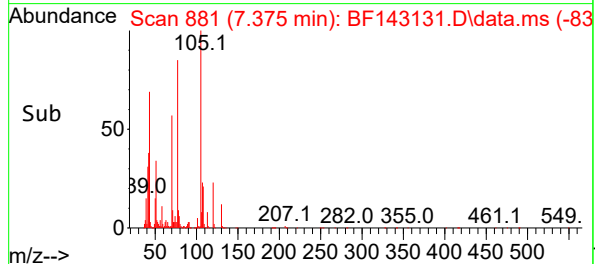
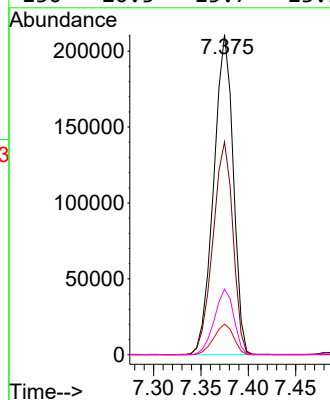
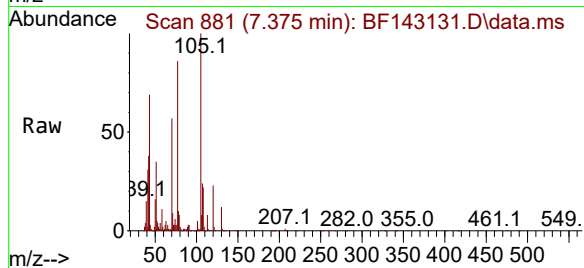
Ion Ratio Lower Upper

70 100

42 66.5 53.2 79.8

101 9.5 7.5 11.3

130 20.5 15.7 23.5



#20

3+4-Methylphenols

Concen: 40.991 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Tgt Ion: 107 Resp: 424295

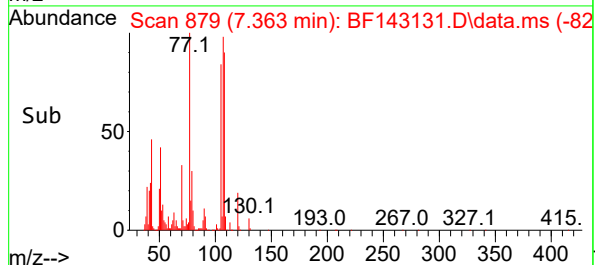
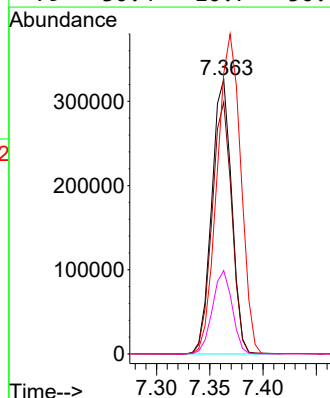
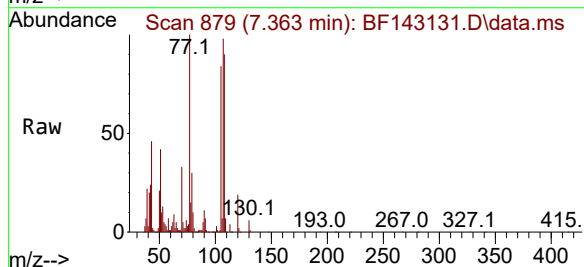
Ion Ratio Lower Upper

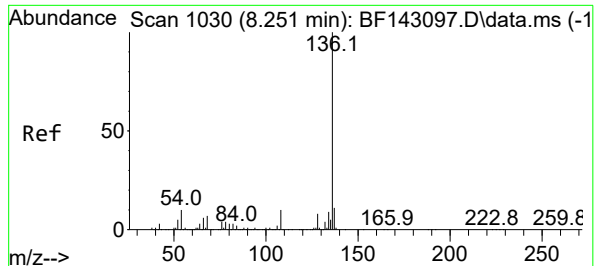
107 100

108 91.8 71.3 111.3

77 102.2 77.2 117.2

79 30.4 10.7 50.7

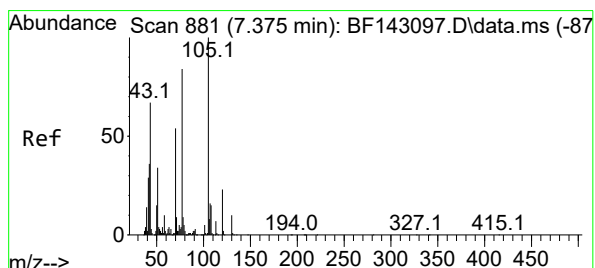
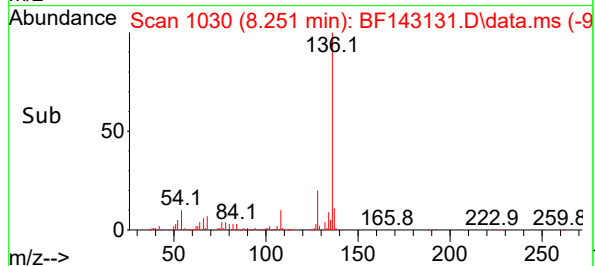
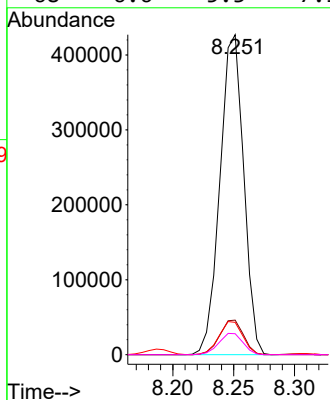
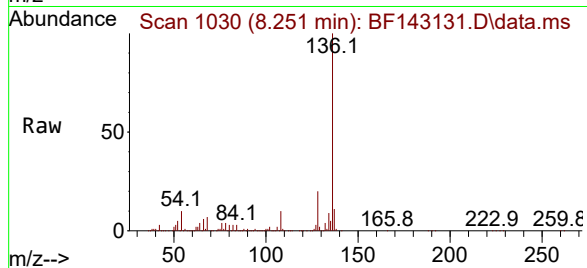




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

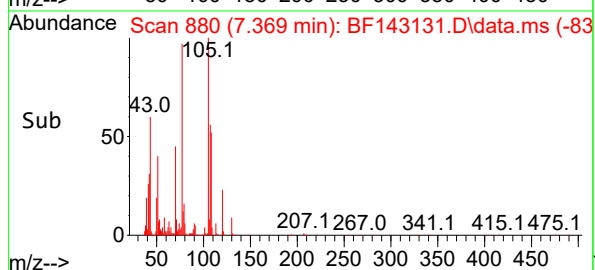
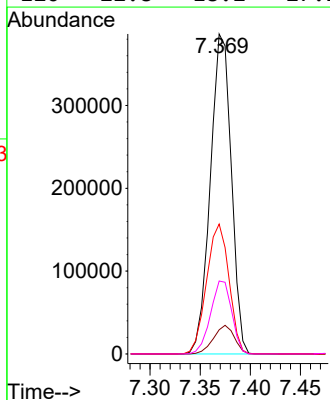
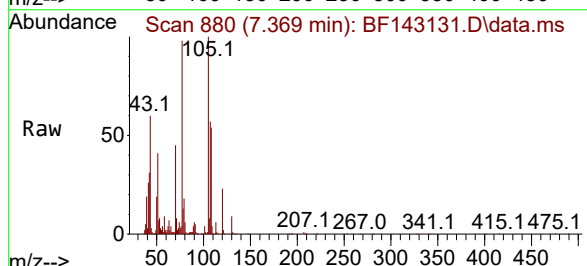
Instrument :
BNA_F
ClientSampleId :
TP-17MS

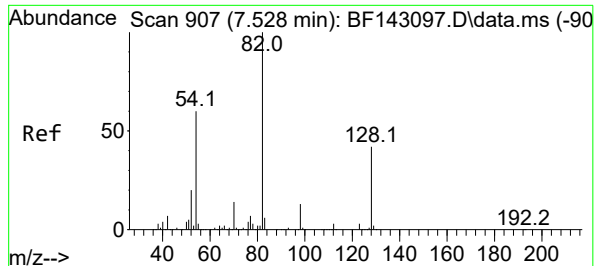
Tgt Ion:	136	Resp:	579798
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	10.1	8.3	12.5
68	6.6	5.3	7.9



#22
Acetophenone
Concen: 40.253 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:	105	Resp:	562591
Ion Ratio	Lower	Upper	
105	100		
71	7.5	7.2	10.8
51	40.6	27.0	40.4
120	22.8	18.2	27.2





#23

Nitrobenzene-d5

Concen: 64.377 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

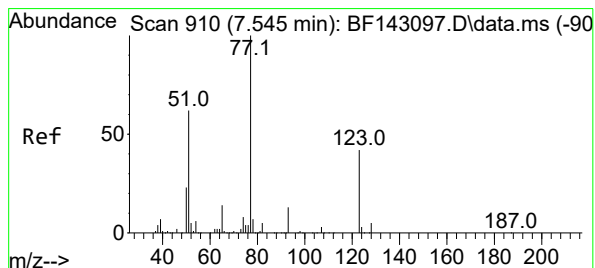
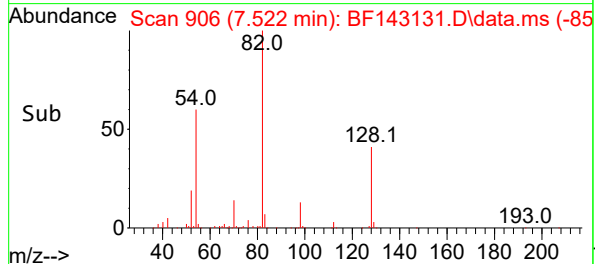
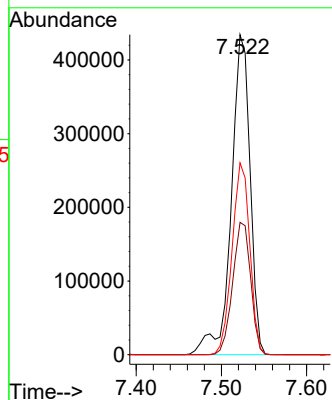
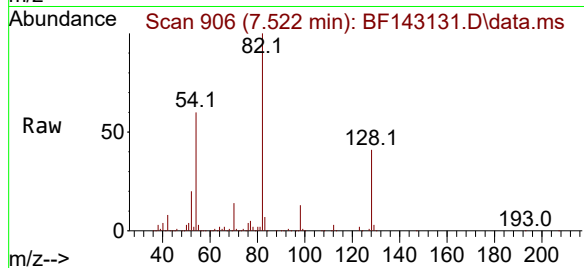
Tgt Ion: 82 Resp: 665365

Ion Ratio Lower Upper

82 100

128 41.3 33.3 49.9

54 59.9 47.4 71.2



#24

Nitrobenzene

Concen: 44.525 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

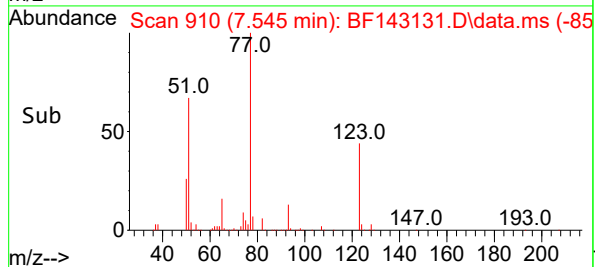
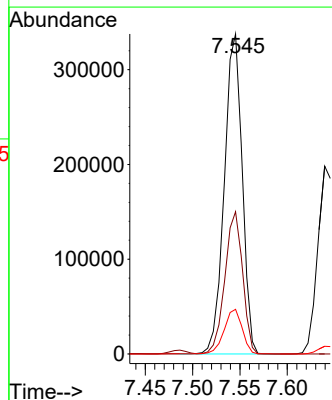
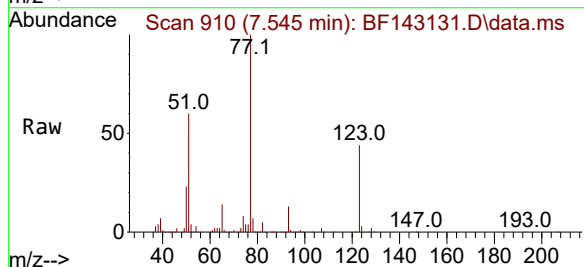
Tgt Ion: 77 Resp: 444251

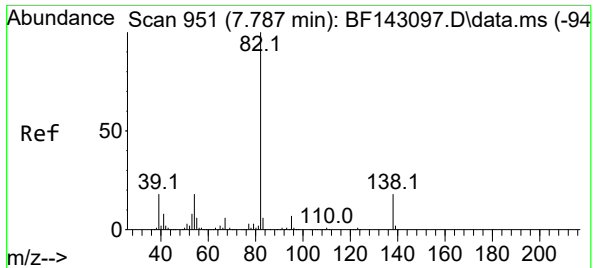
Ion Ratio Lower Upper

77 100

123 44.4 34.5 51.7

65 14.0 11.3 16.9

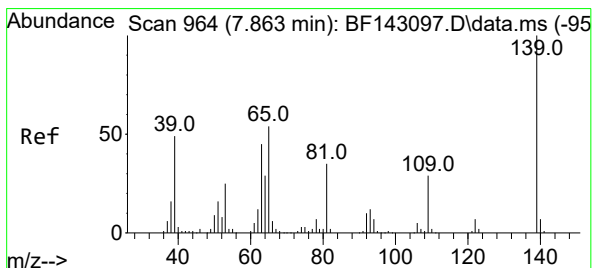
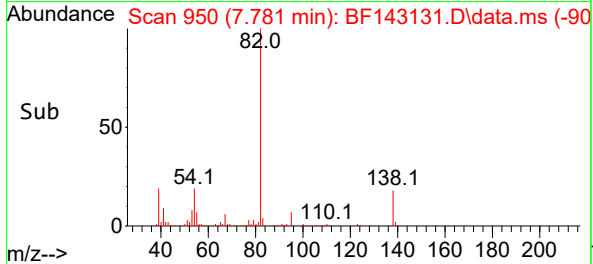
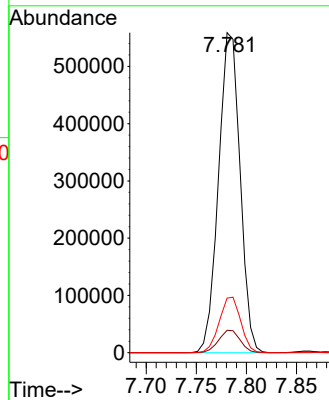
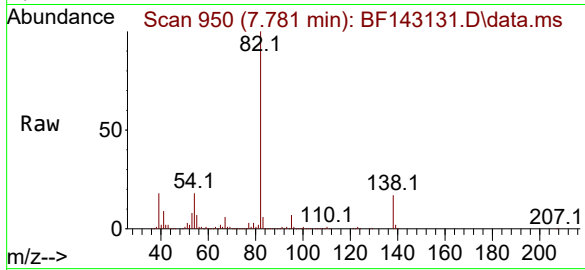




#25
Isophorone
Concen: 41.806 ng
RT: 7.781 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

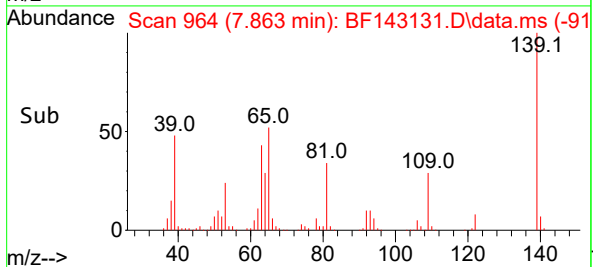
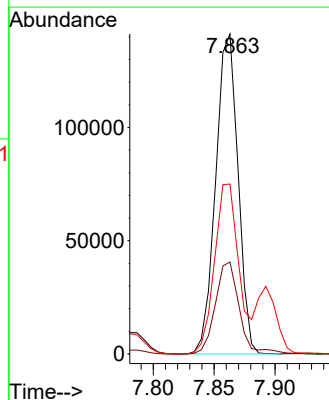
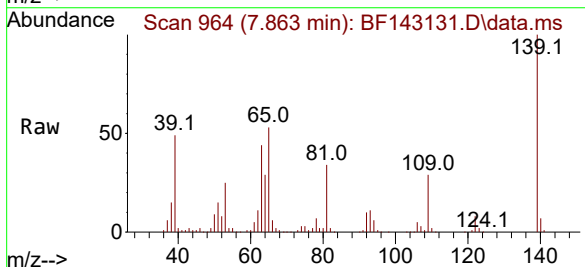
Instrument :
BNA_F
ClientSampleId :
TP-17MS

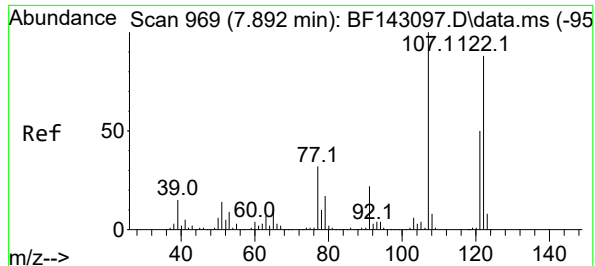
Tgt Ion: 82 Resp: 835156
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 17.1 14.3 21.5



#26
2-Nitrophenol
Concen: 45.496 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:139 Resp: 180511
Ion Ratio Lower Upper
139 100
109 28.8 23.4 35.0
65 53.1 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 41.254 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

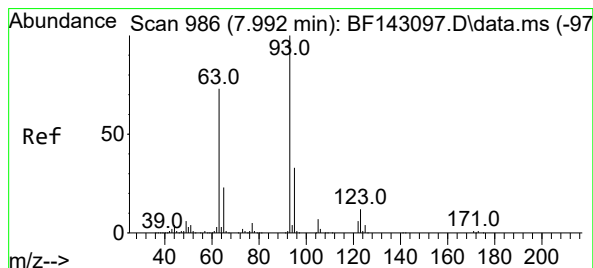
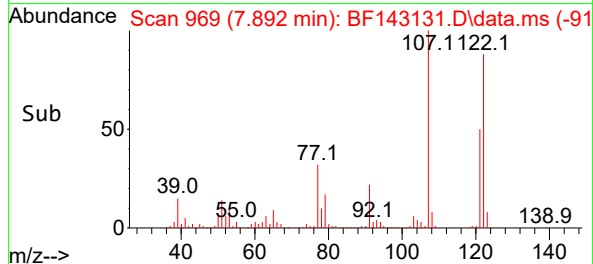
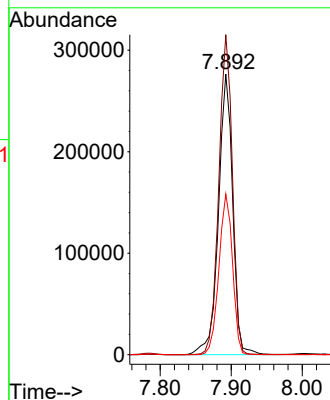
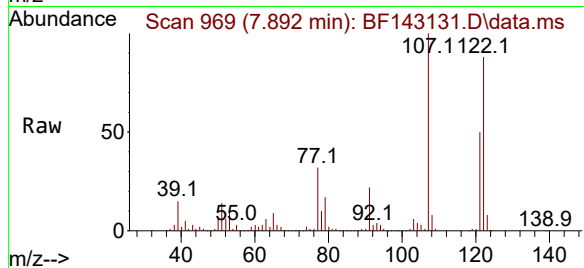
Tgt Ion:122 Resp: 382507

Ion Ratio Lower Upper

122 100

107 114.1 91.3 136.9

121 57.3 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 41.798 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

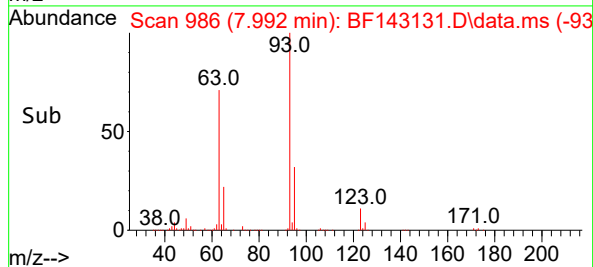
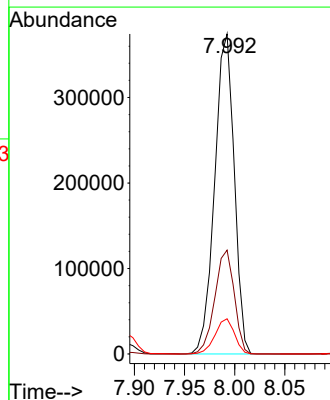
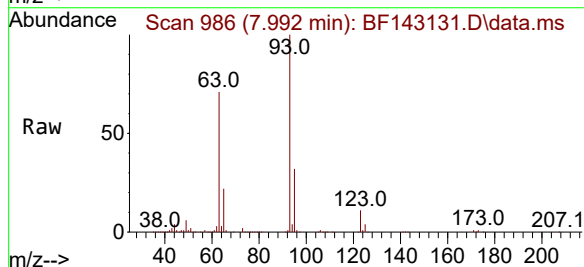
Tgt Ion: 93 Resp: 506341

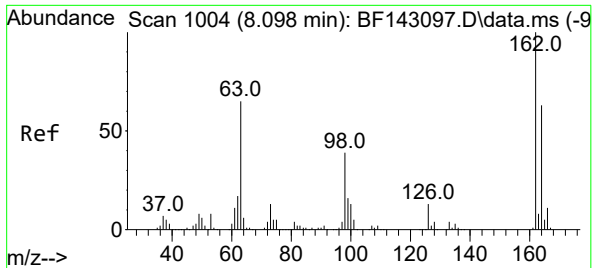
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.4

123 11.0 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 42.379 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

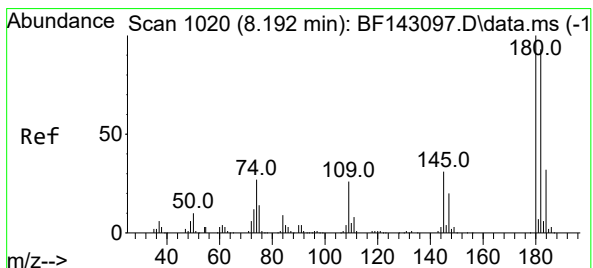
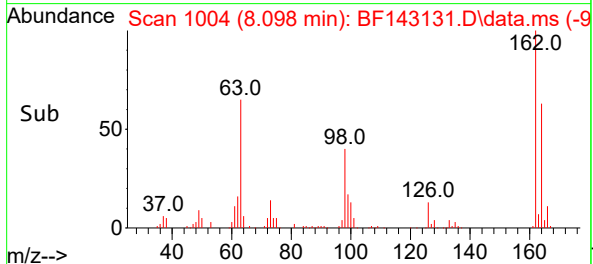
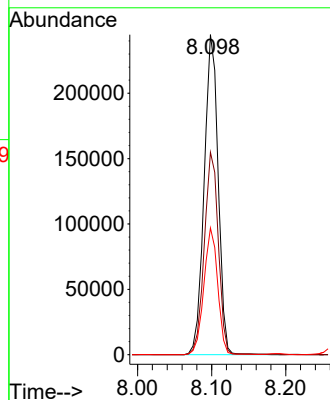
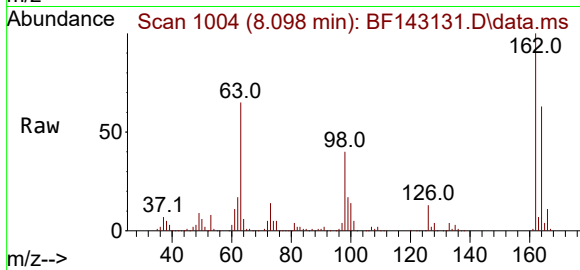
Tgt Ion:162 Resp: 321458

Ion Ratio Lower Upper

162 100

164 63.2 43.1 83.1

98 39.6 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 40.708 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

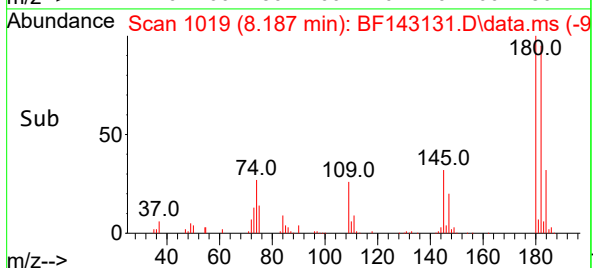
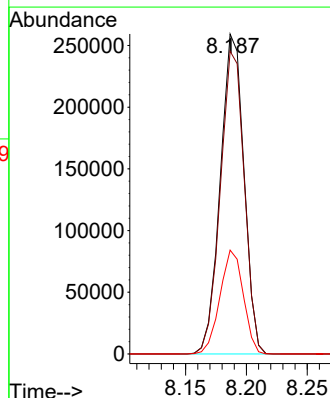
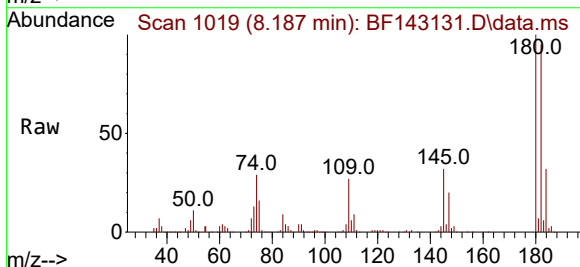
Tgt Ion:180 Resp: 350435

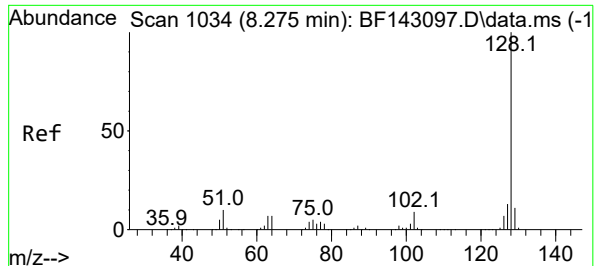
Ion Ratio Lower Upper

180 100

182 94.6 74.7 112.1

145 32.4 24.5 36.7





#31

Naphthalene

Concen: 40.495 ng

RT: 8.269 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

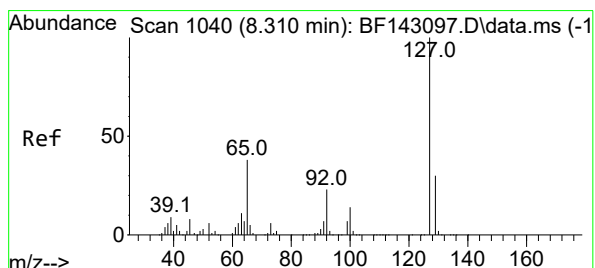
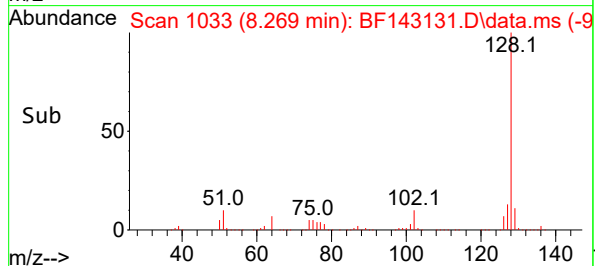
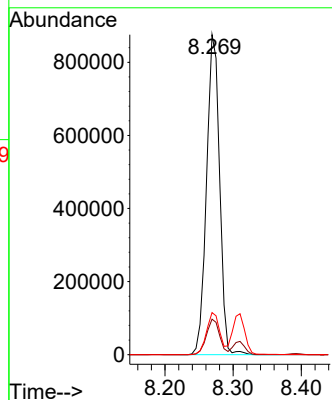
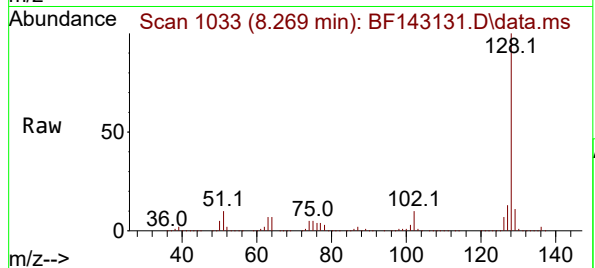
Tgt Ion:128 Resp: 1165944

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.2 10.5 15.7



#33

4-Chloroaniline

Concen: 12.734 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Tgt Ion:127 Resp: 147433

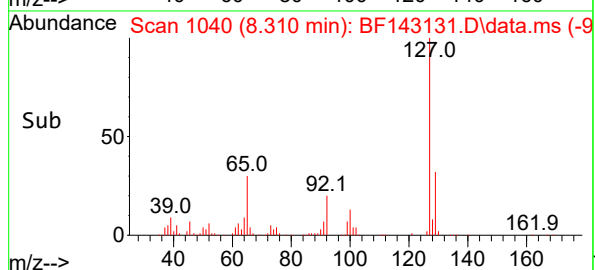
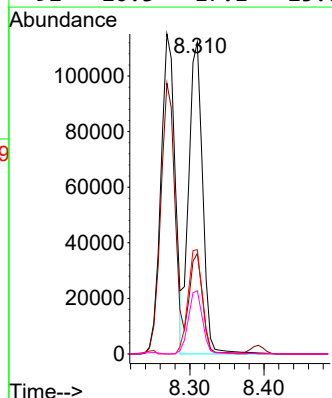
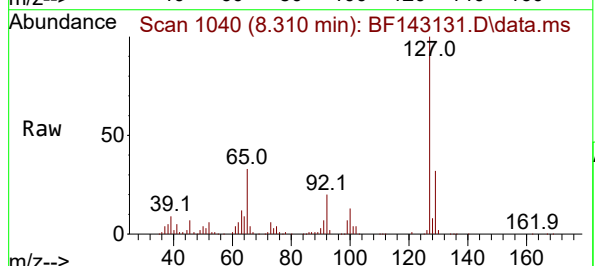
Ion Ratio Lower Upper

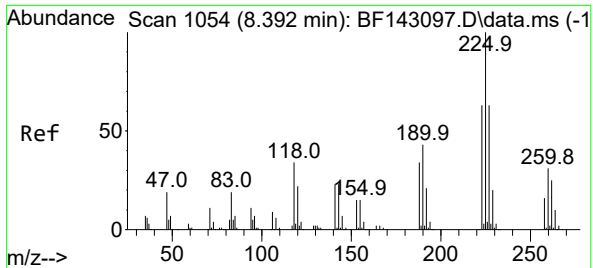
127 100

129 32.2 26.2 39.4

65 33.5 28.6 42.8

92 20.3 17.1 25.7

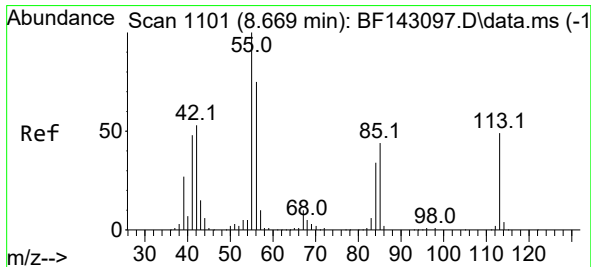
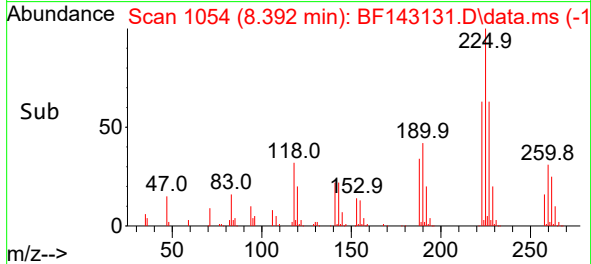
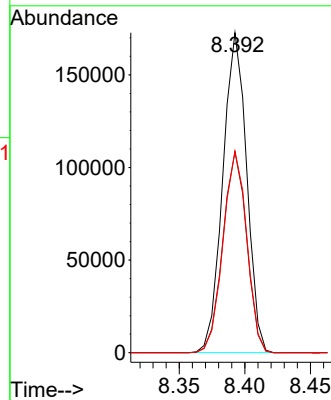
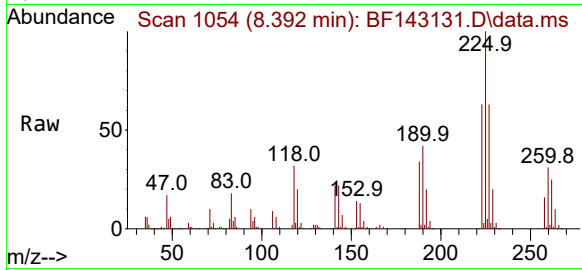




#34
Hexachlorobutadiene
Concen: 42.286 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

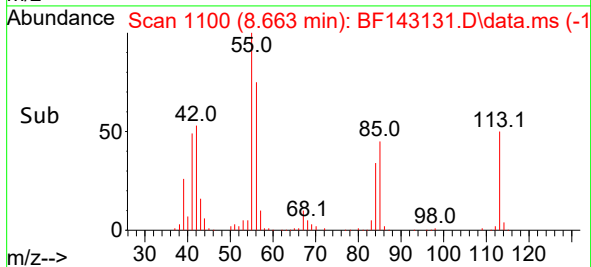
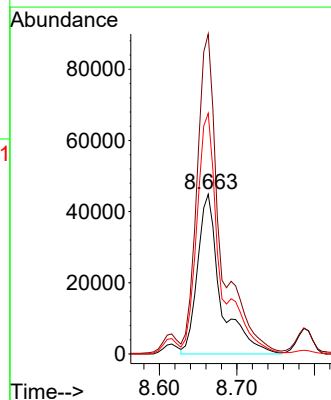
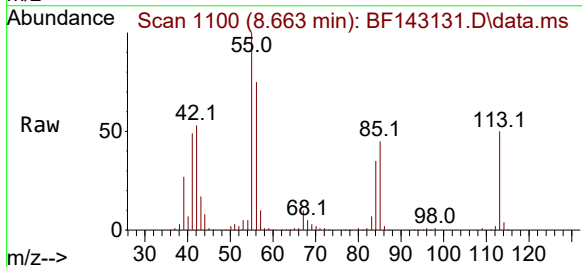
Instrument :
BNA_F
ClientSampleId :
TP-17MS

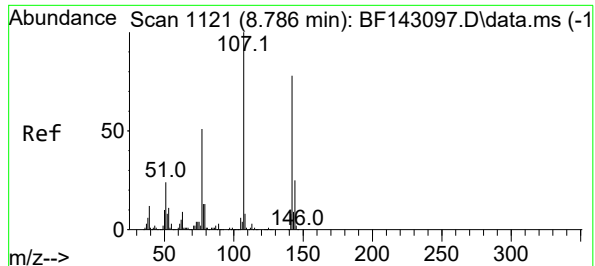
Tgt Ion:225 Resp: 217703
Ion Ratio Lower Upper
225 100
223 62.7 50.3 75.5
227 62.9 50.1 75.1



#35
Caprolactam
Concen: 39.408 ng
RT: 8.663 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:113 Resp: 93345
Ion Ratio Lower Upper
113 100
55 200.4 186.2 226.2
56 150.7 134.1 174.1





#36

4-Chloro-3-methylphenol

Concen: 41.831 ng

RT: 8.786 min Scan# 1121

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

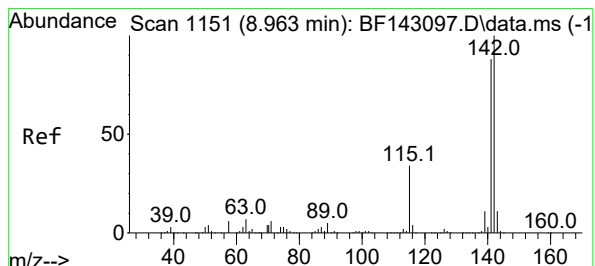
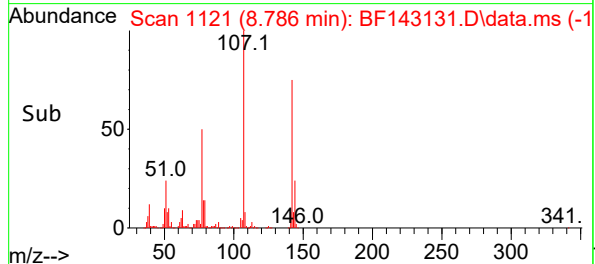
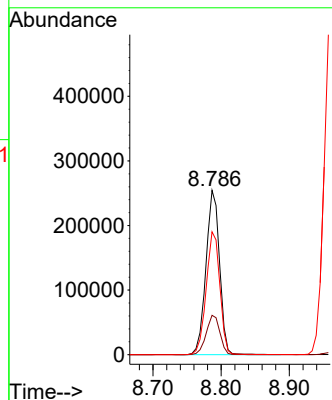
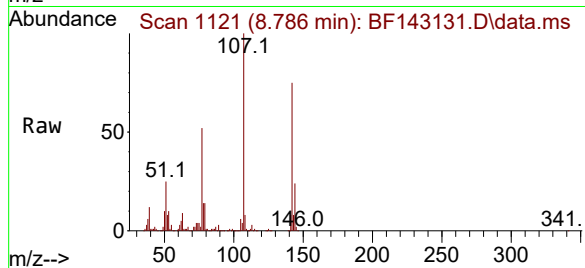
Tgt Ion:107 Resp: 353459

Ion Ratio Lower Upper

107 100

144 23.9 20.2 30.2

142 74.8 62.4 93.6



#37

2-Methylnaphthalene

Concen: 40.605 ng

RT: 8.963 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF143131.D

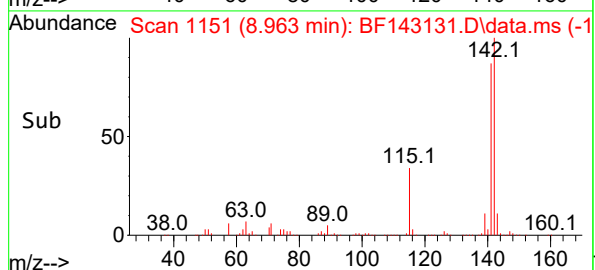
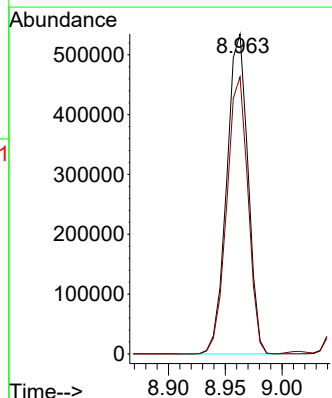
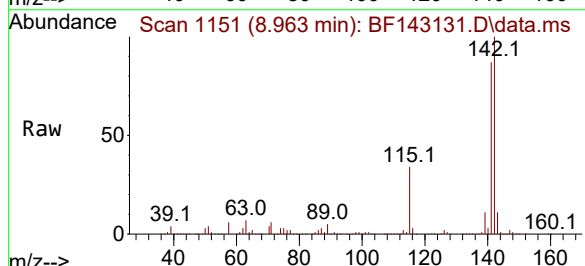
Acq: 17 Jul 2025 02:34

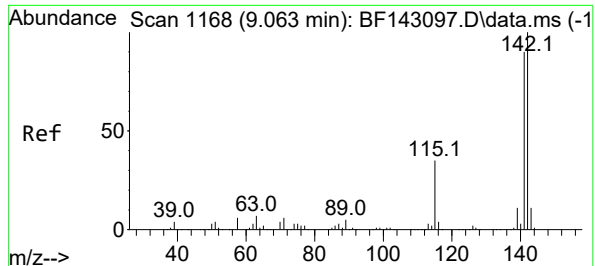
Tgt Ion:142 Resp: 697441

Ion Ratio Lower Upper

142 100

141 86.6 70.2 105.2





#38

1-Methylnaphthalene

Concen: 40.346 ng

RT: 9.063 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

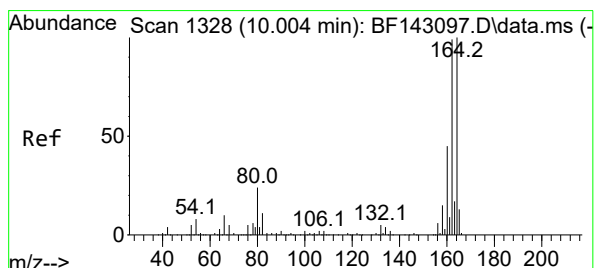
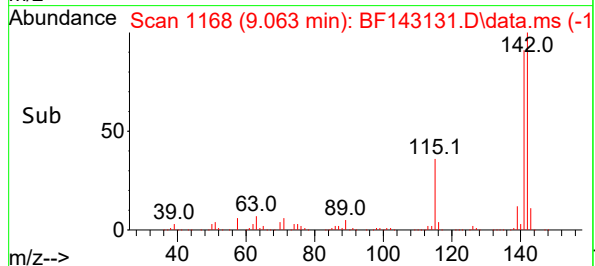
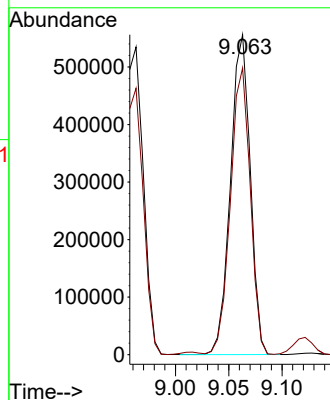
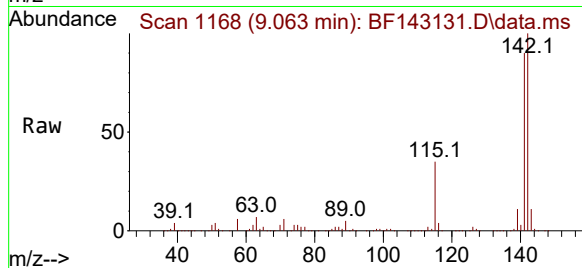
TP-17MS

Tgt Ion:142 Resp: 718769

Ion Ratio Lower Upper

142 100

141 89.6 72.2 108.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

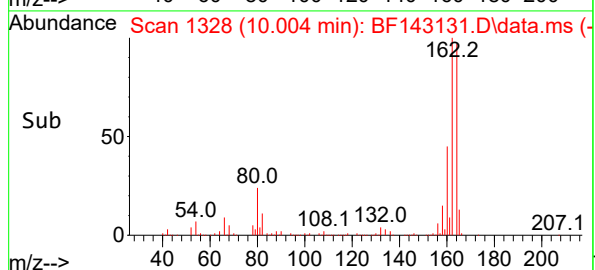
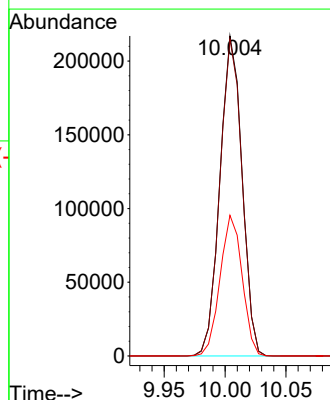
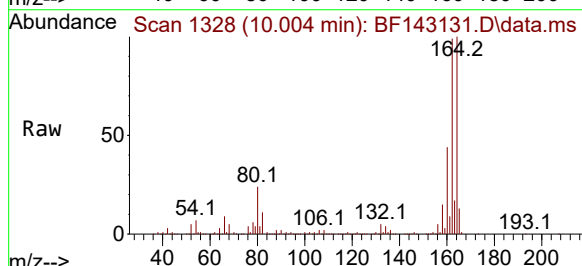
Tgt Ion:164 Resp: 274749

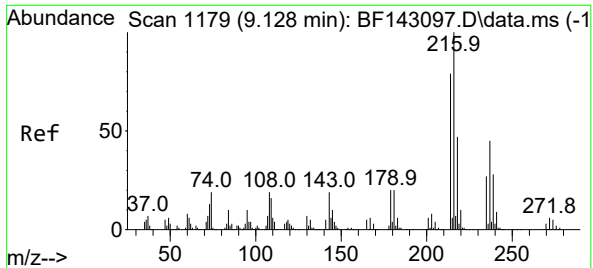
Ion Ratio Lower Upper

164 100

162 99.0 79.0 118.6

160 44.0 35.8 53.6

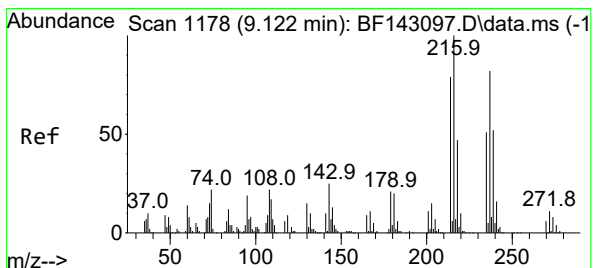
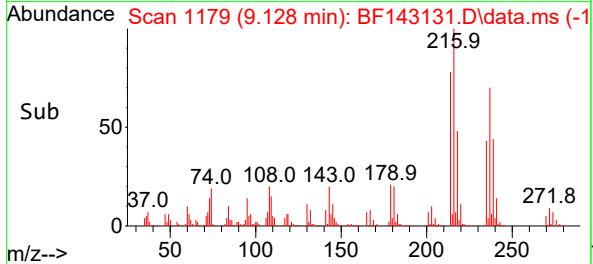
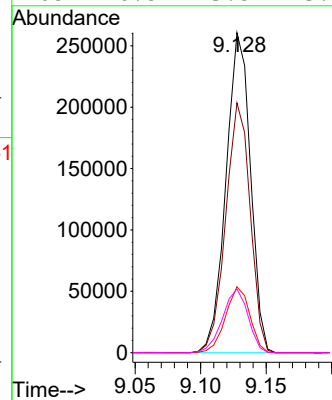
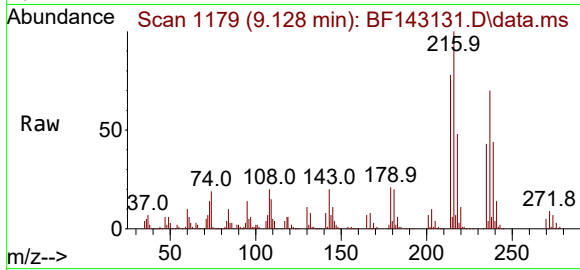




#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.197 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

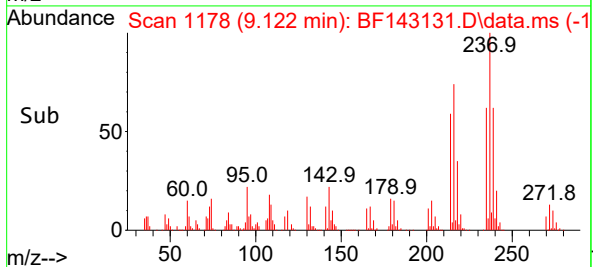
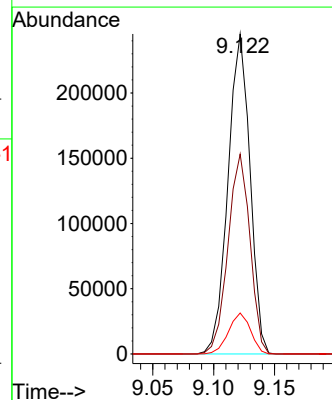
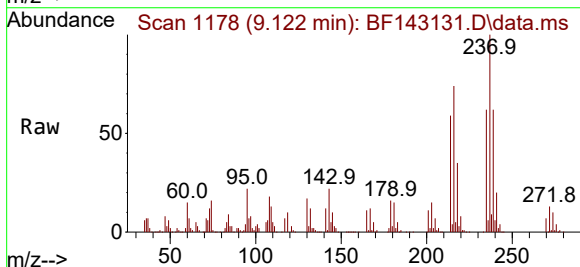
Instrument :
BNA_F
ClientSampleId :
TP-17MS

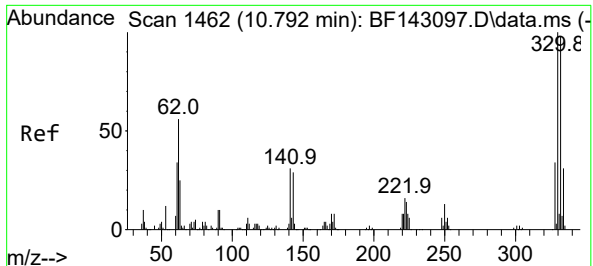
Tgt Ion:216 Resp: 337867
Ion Ratio Lower Upper
216 100
214 77.9 62.6 94.0
179 20.5 16.2 24.2
108 20.8 15.8 23.6



#41
Hexachlorocyclopentadiene
Concen: 69.565 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:237 Resp: 308813
Ion Ratio Lower Upper
237 100
235 62.4 41.6 81.6
272 12.8 0.0 32.9





#42

2,4,6-Tribromophenol

Concen: 81.600 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

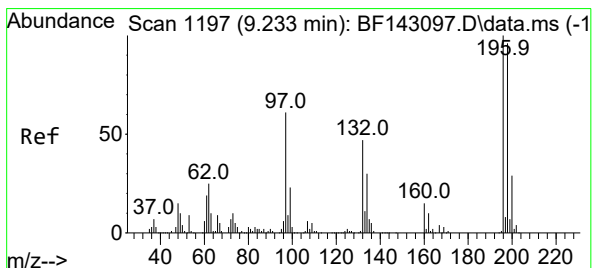
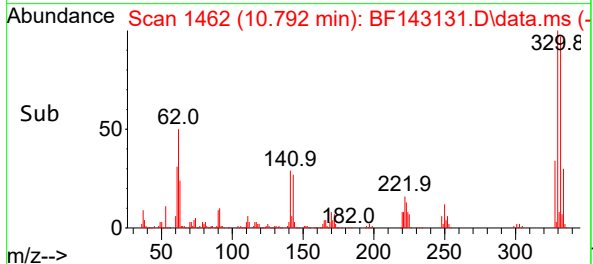
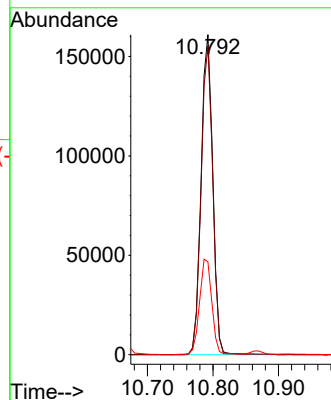
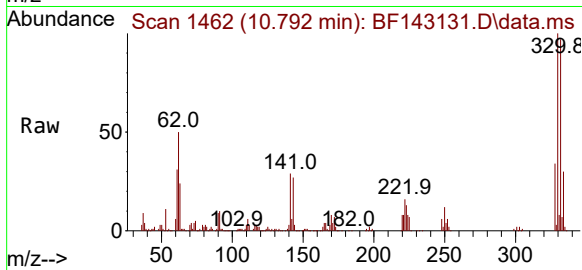
Tgt Ion:330 Resp: 199903

Ion Ratio Lower Upper

330 100

332 96.1 77.9 116.9

141 31.5 25.9 38.9



#43

2,4,6-Trichlorophenol

Concen: 41.813 ng

RT: 9.234 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

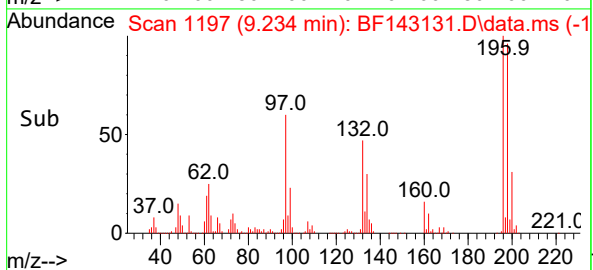
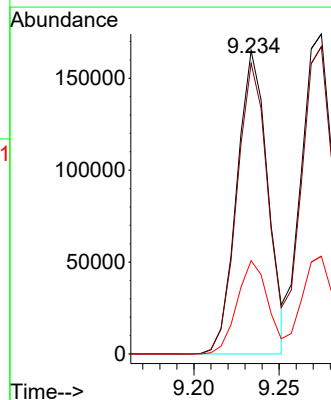
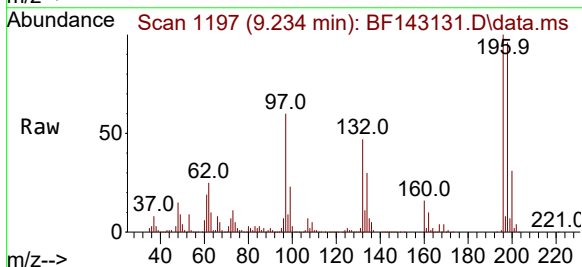
Tgt Ion:196 Resp: 208024

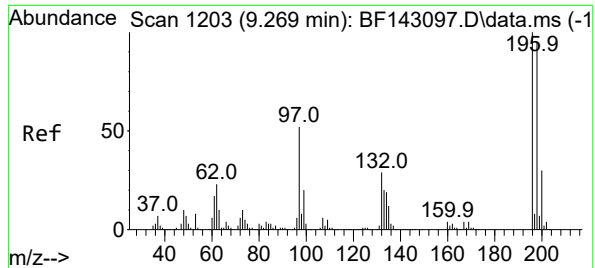
Ion Ratio Lower Upper

196 100

198 95.8 76.9 115.3

200 30.8 23.5 35.3





#44

2,4,5-Trichlorophenol

Concen: 42.999 ng

RT: 9.275 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

Tgt Ion:196 Resp: 224311

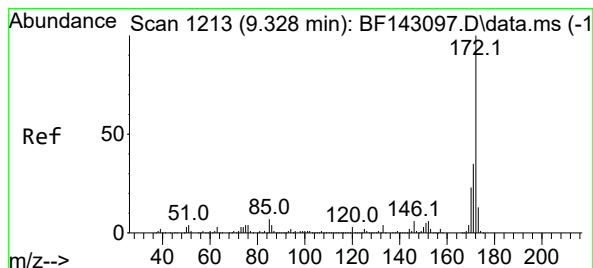
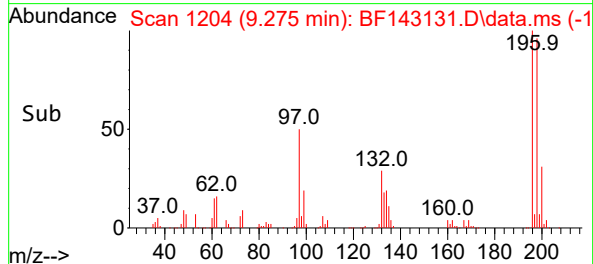
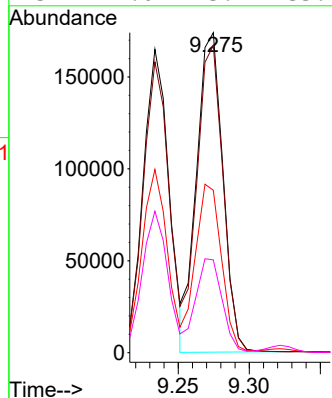
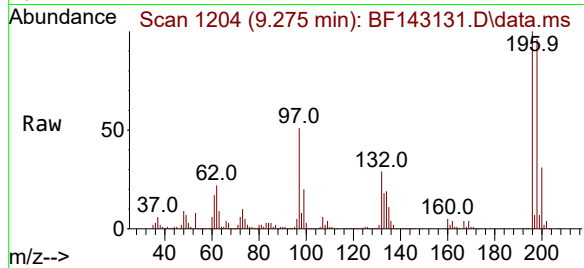
Ion Ratio Lower Upper

196 100

198 96.1 76.4 114.6

97 50.7 42.4 63.6

132 29.0 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 53.889 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

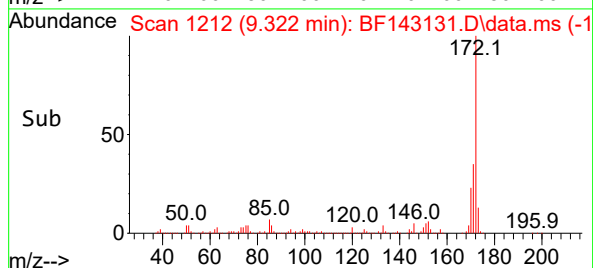
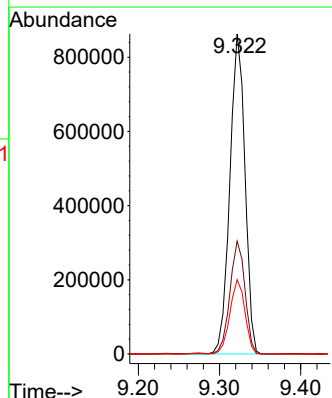
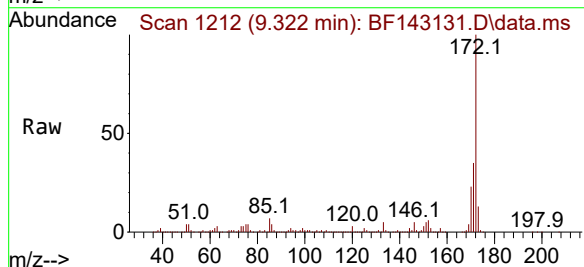
Tgt Ion:172 Resp: 1113827

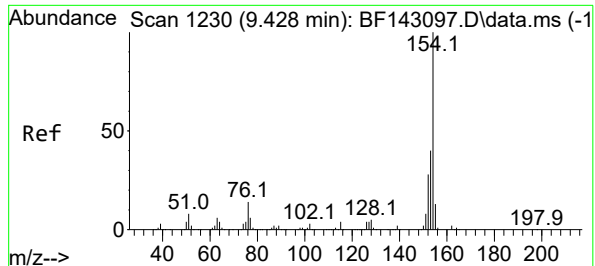
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.2 18.6 28.0





#46

1,1'-Biphenyl

Concen: 41.942 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

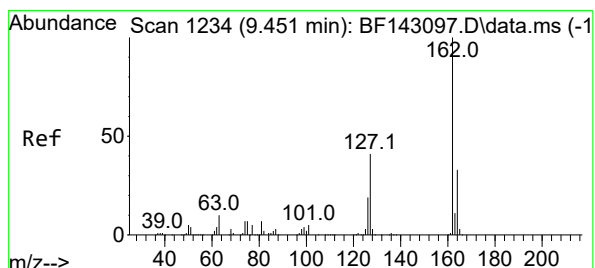
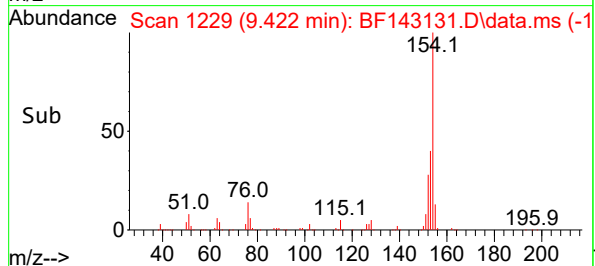
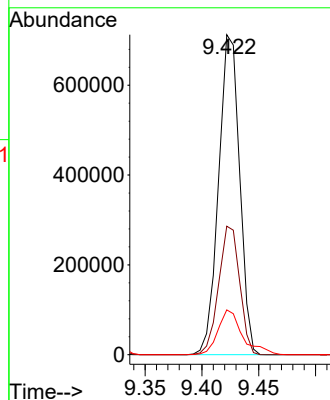
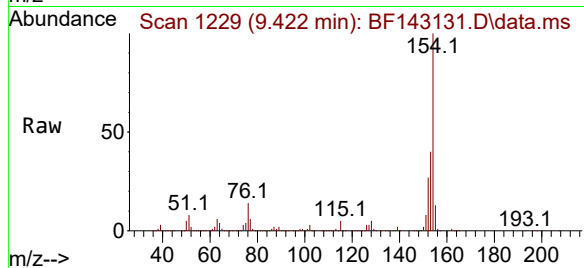
Tgt Ion:154 Resp: 918974

Ion Ratio Lower Upper

154 100

153 40.1 20.1 60.1

76 14.0 0.0 33.7



#47

2-Chloronaphthalene

Concen: 41.742 ng

RT: 9.451 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

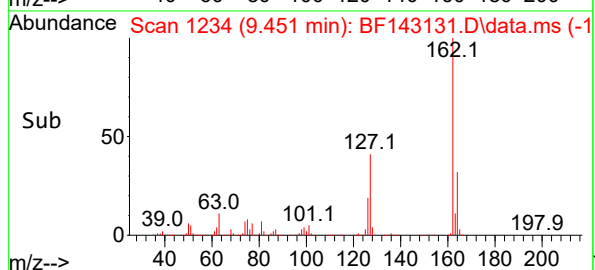
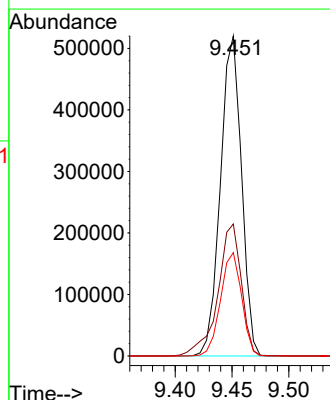
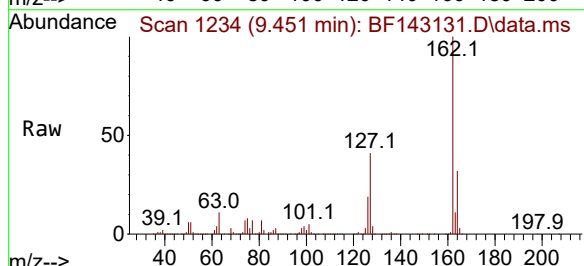
Tgt Ion:162 Resp: 671890

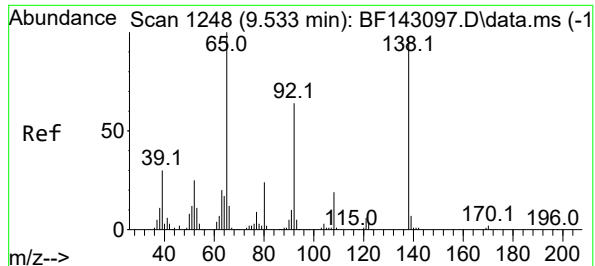
Ion Ratio Lower Upper

162 100

127 41.2 33.0 49.6

164 32.3 26.1 39.1





#48

2-Nitroaniline

Concen: 44.804 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.001 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

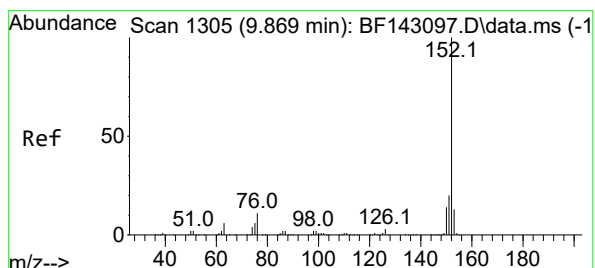
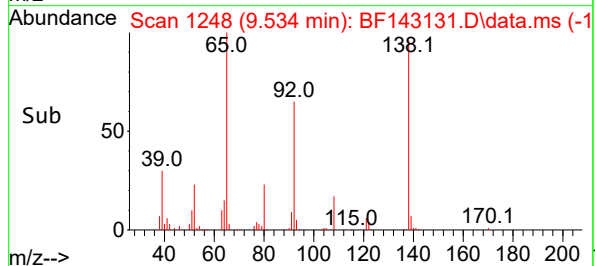
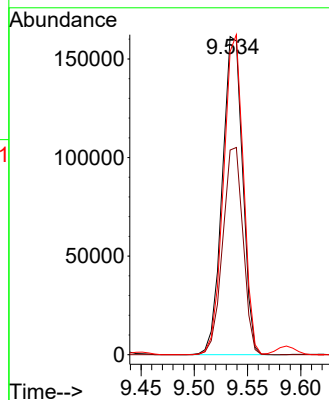
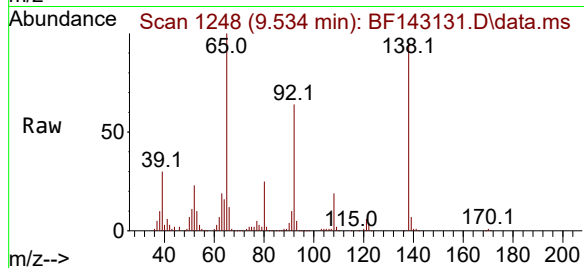
Tgt Ion: 65 Resp: 214232

Ion Ratio Lower Upper

65 100

92 64.3 51.3 76.9

138 95.3 77.8 116.6



#49

Acenaphthylene

Concen: 41.420 ng

RT: 9.869 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

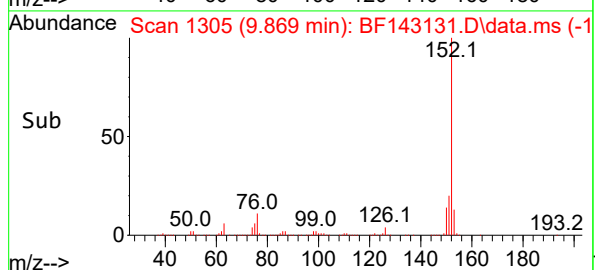
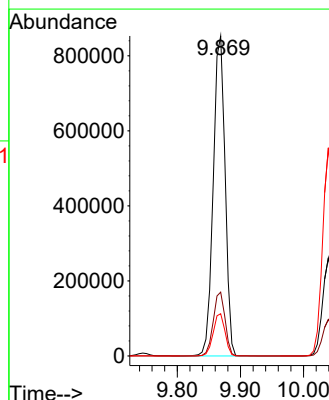
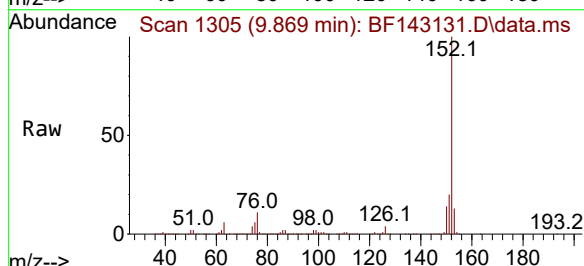
Tgt Ion: 152 Resp: 1110952

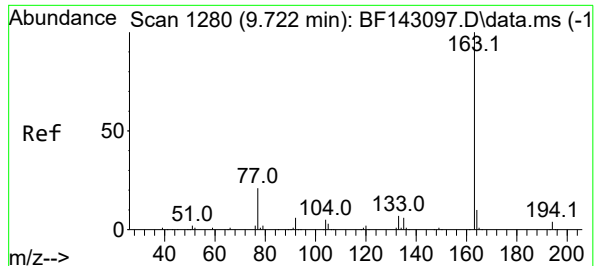
Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 13.2 10.4 15.6





#50

Dimethylphthalate

Concen: 43.880 ng

RT: 9.722 min Scan# 1280

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

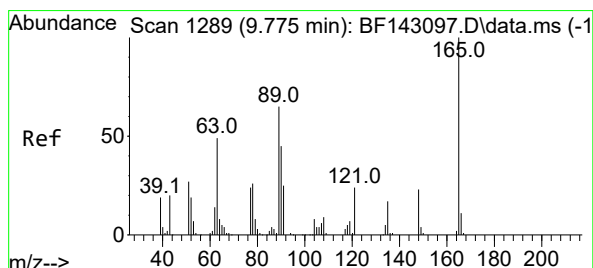
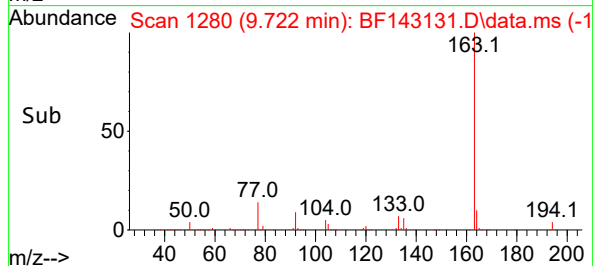
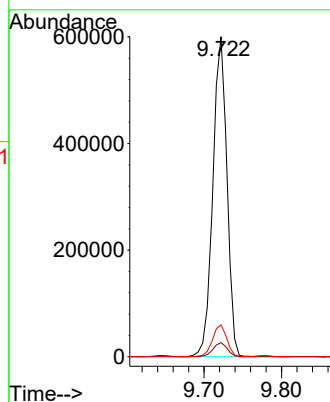
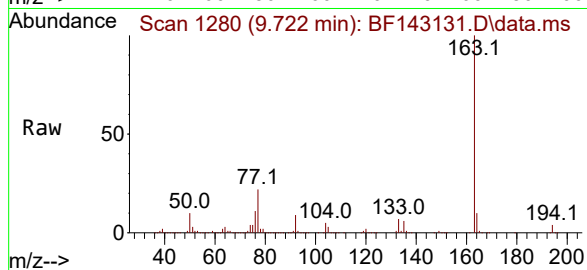
Tgt Ion:163 Resp: 758469

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.0 8.2 12.2



#51

2,6-Dinitrotoluene

Concen: 45.740 ng

RT: 9.781 min Scan# 1290

Delta R.T. 0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

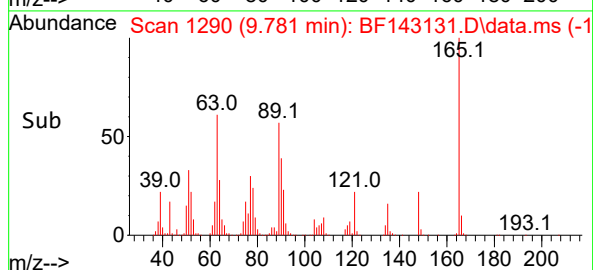
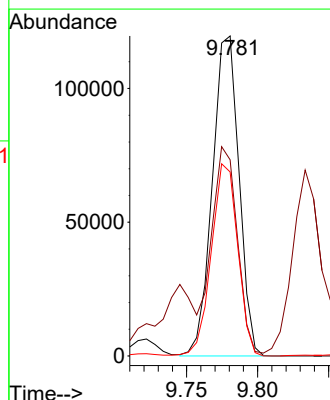
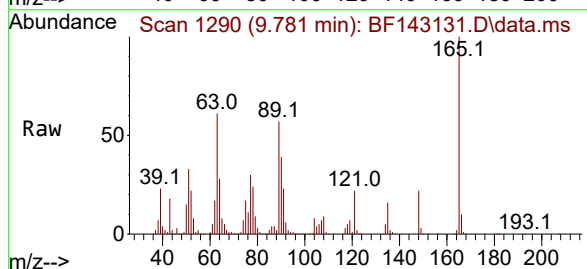
Tgt Ion:165 Resp: 155746

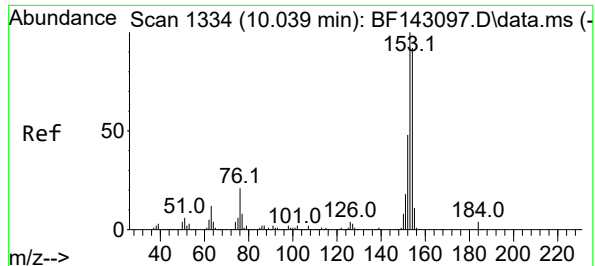
Ion Ratio Lower Upper

165 100

63 61.3 57.4 86.0

89 57.5 51.8 77.8





#52

Acenaphthene

Concen: 39.334 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

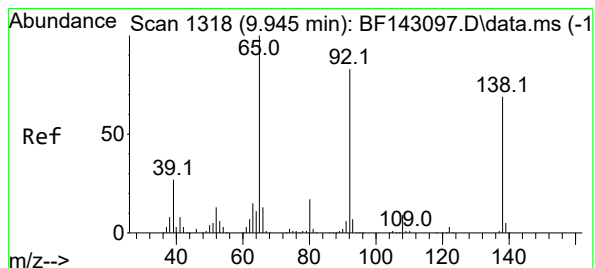
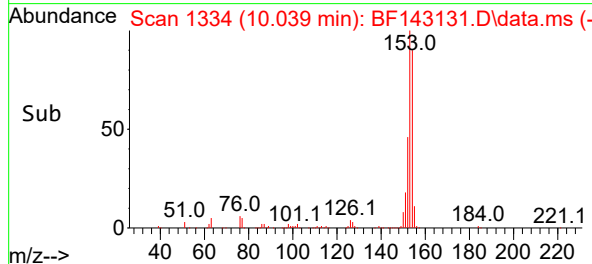
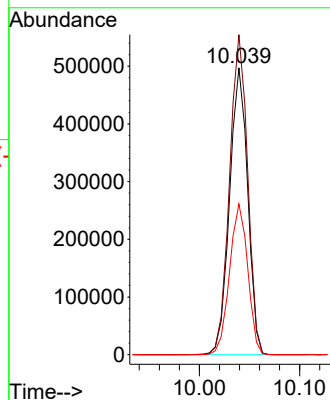
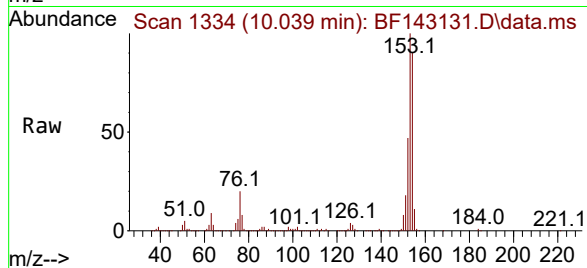
Tgt Ion:154 Resp: 622567

Ion Ratio Lower Upper

154 100

153 111.5 86.7 130.1

152 52.5 41.4 62.2



#53

3-Nitroaniline

Concen: 34.449 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

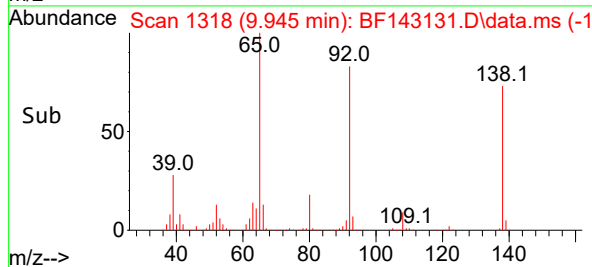
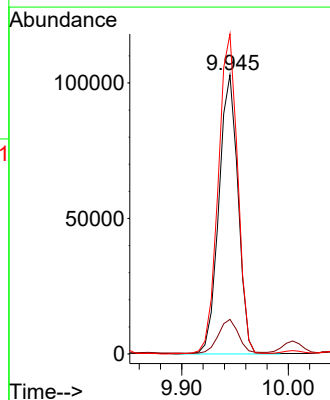
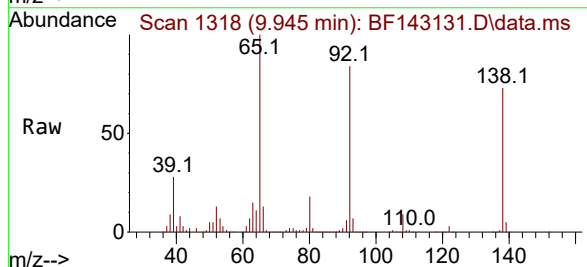
Tgt Ion:138 Resp: 128666

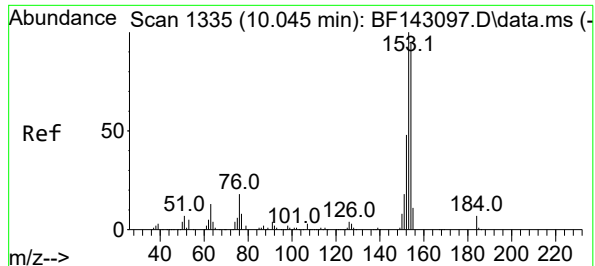
Ion Ratio Lower Upper

138 100

108 12.4 10.1 15.1

92 114.7 96.4 144.6





#54

2,4-Dinitrophenol

Concen: 8.800 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

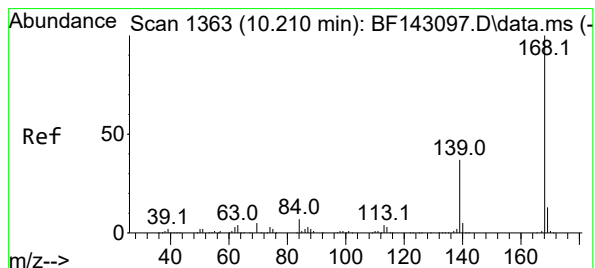
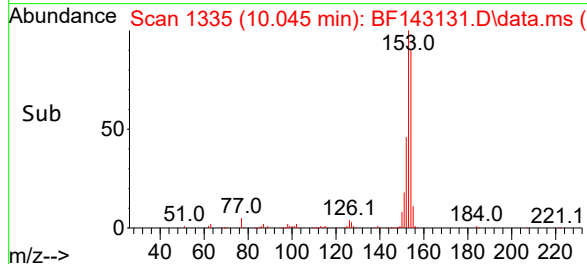
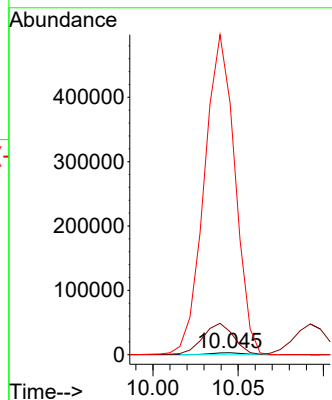
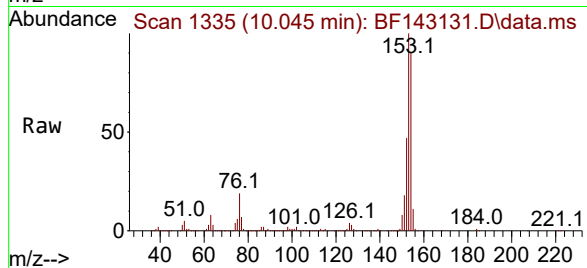
Tgt Ion:184 Resp: 3818

Ion Ratio Lower Upper

184 100

63 1195.6 149.3 223.9#

154 13117.7 1048.0 1572.0#



#55

Dibenzofuran

Concen: 40.449 ng

RT: 10.210 min Scan# 1363

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

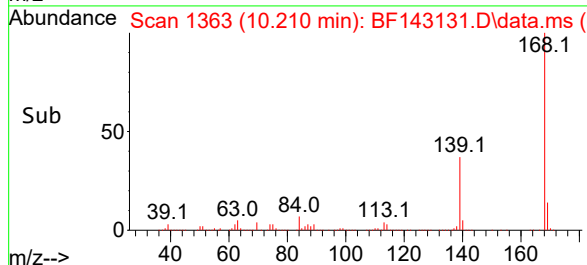
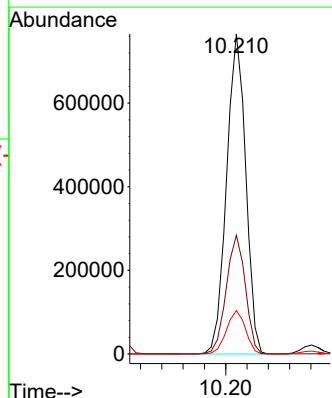
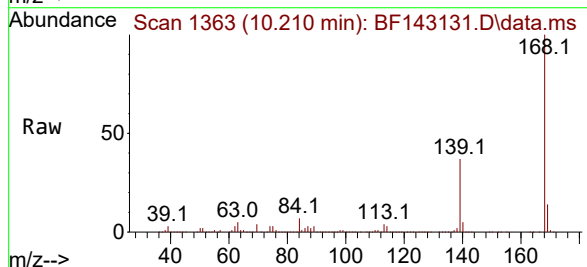
Tgt Ion:168 Resp: 954263

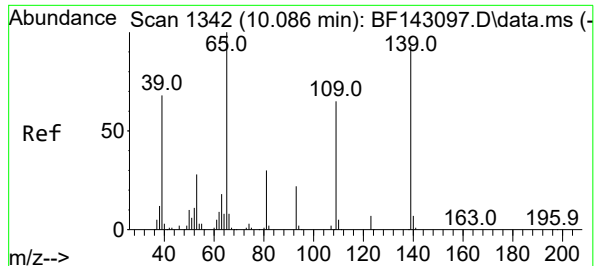
Ion Ratio Lower Upper

168 100

139 37.1 29.8 44.6

169 13.6 10.8 16.2





#56

4-Nitrophenol

Concen: 69.375 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

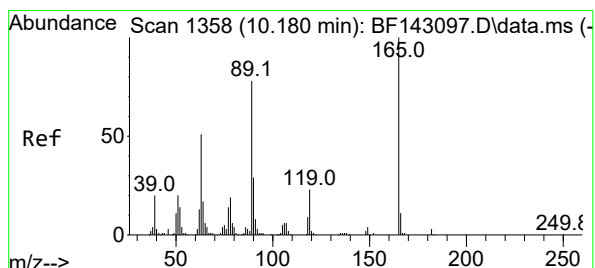
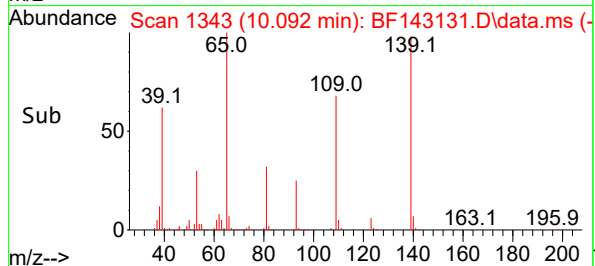
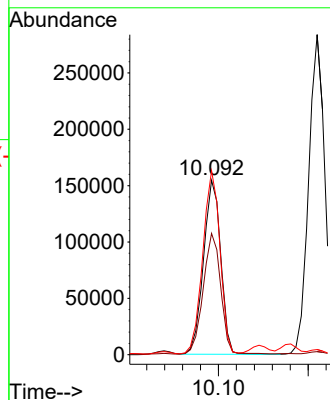
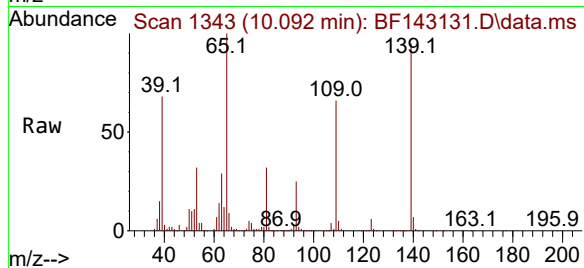
Tgt Ion:139 Resp: 205928

Ion Ratio Lower Upper

139 100

109 69.5 49.4 89.4

65 105.5 88.2 128.2



#57

2,4-Dinitrotoluene

Concen: 45.006 ng

RT: 10.181 min Scan# 1358

Delta R.T. 0.001 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Tgt Ion:165 Resp: 190989

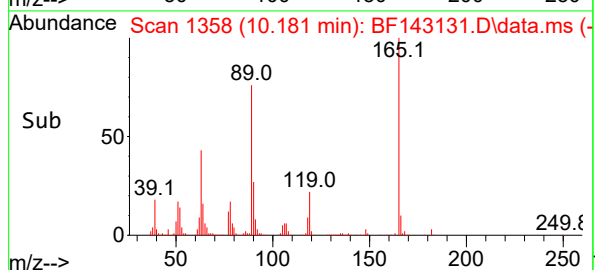
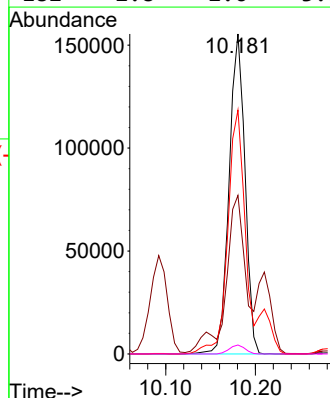
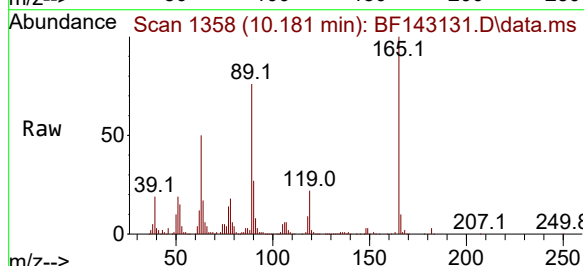
Ion Ratio Lower Upper

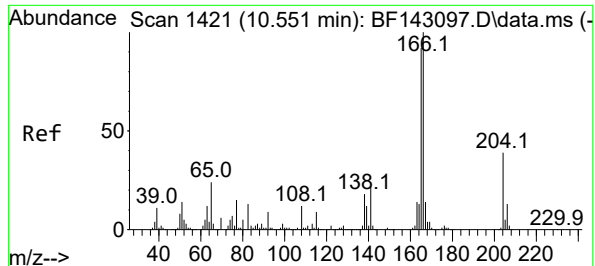
165 100

63 49.6 40.6 61.0

89 76.2 62.3 93.5

182 2.8 2.6 3.8





#58

Fluorene

Concen: 39.512 ng

RT: 10.551 min Scan# 1421

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

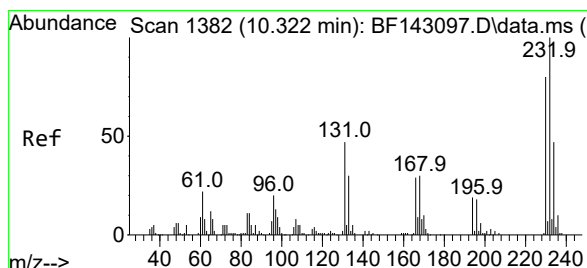
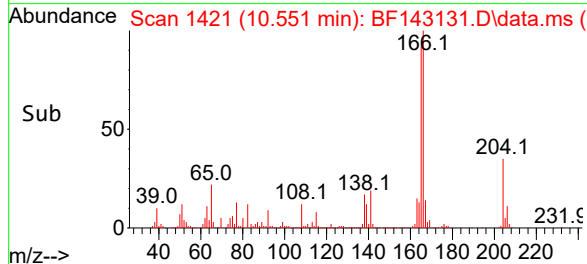
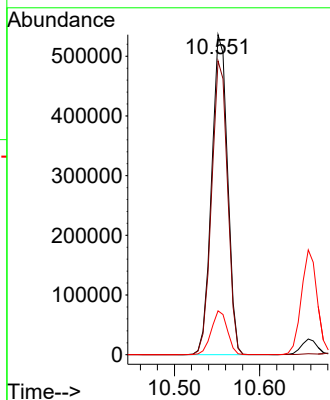
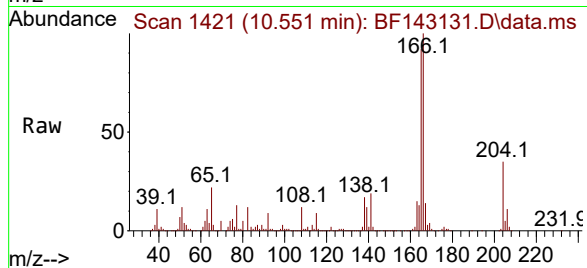
Tgt Ion:166 Resp: 698855

Ion Ratio Lower Upper

166 100

165 91.8 73.7 110.5

167 13.7 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 30.182 ng

RT: 10.322 min Scan# 1382

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Tgt Ion:232 Resp: 125120

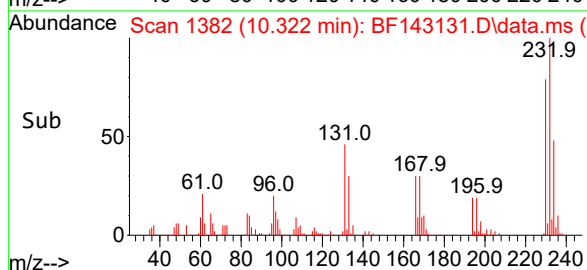
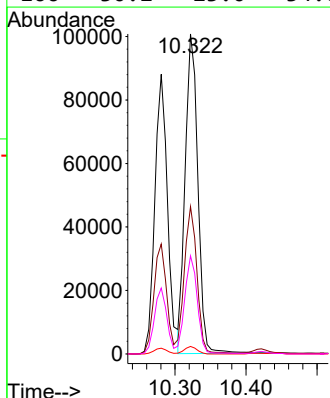
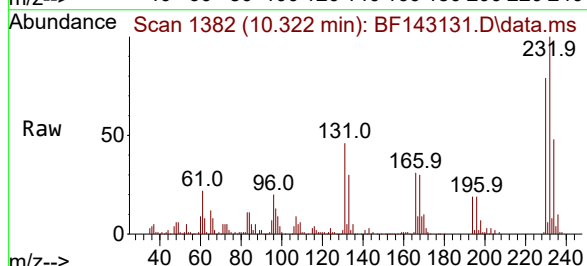
Ion Ratio Lower Upper

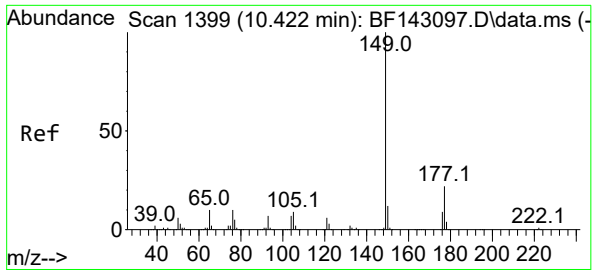
232 100

131 46.1 36.9 55.3

130 2.3 1.8 2.8

166 30.2 23.0 34.6

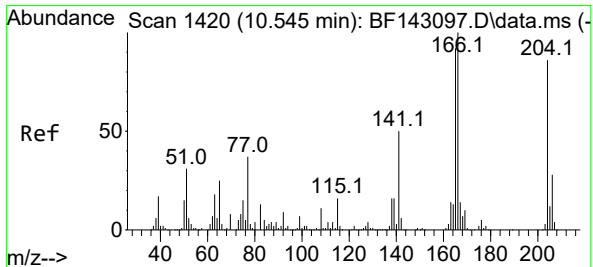
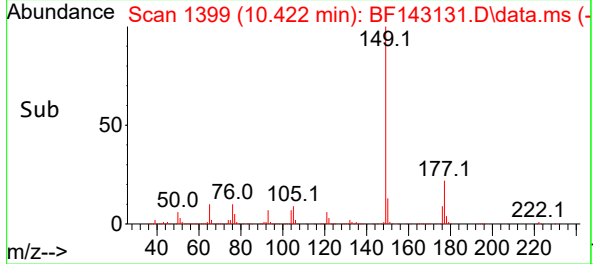
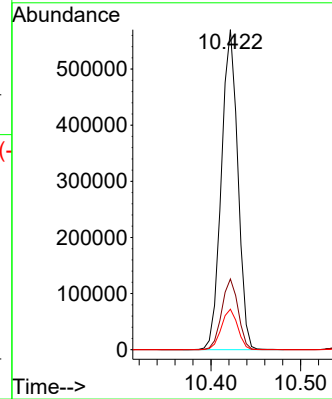
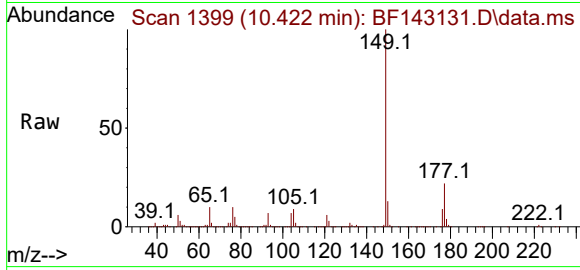




#60
Diethylphthalate
Concen: 43.562 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

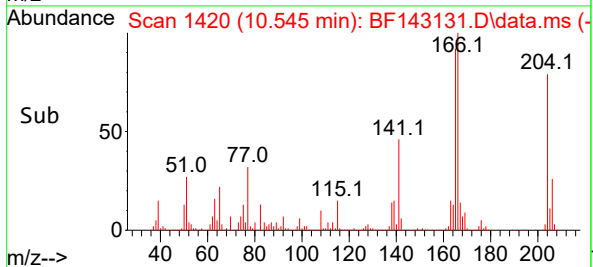
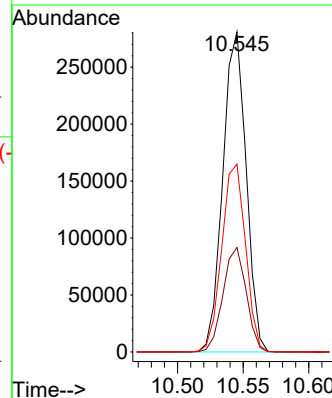
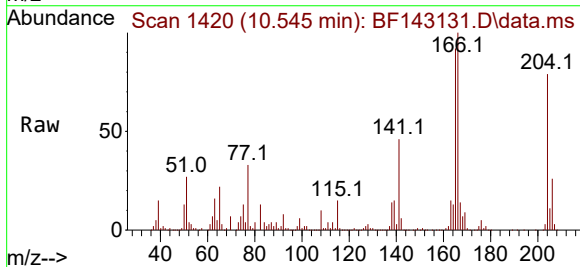
Instrument :
BNA_F
ClientSampleId :
TP-17MS

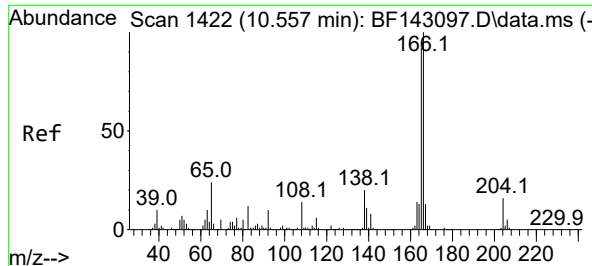
Tgt Ion:149 Resp: 726438
Ion Ratio Lower Upper
149 100
177 22.1 17.3 25.9
150 12.7 9.9 14.9



#61
4-Chlorophenyl-phenylether
Concen: 40.891 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:204 Resp: 346653
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.6
141 58.7 46.8 70.2

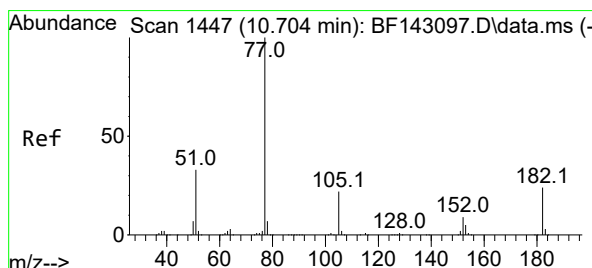
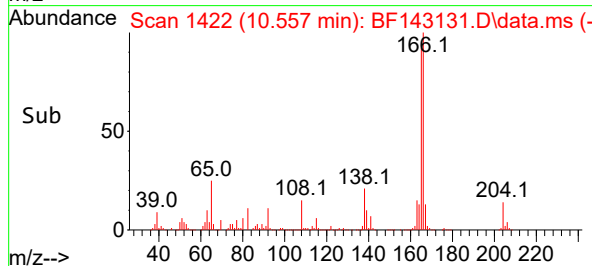
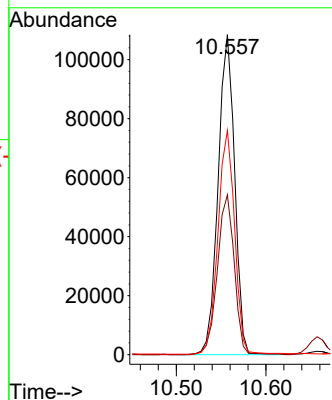
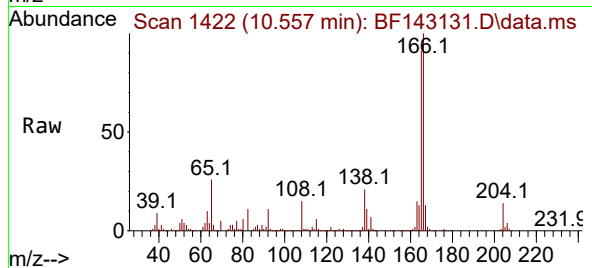




#62
4-Nitroaniline
Concen: 42.763 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

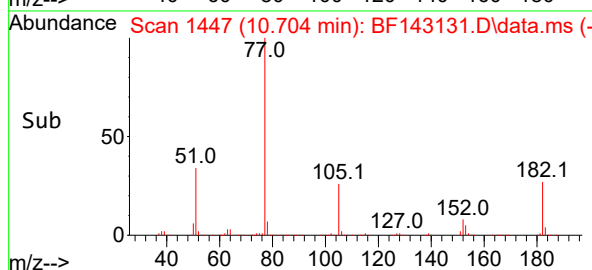
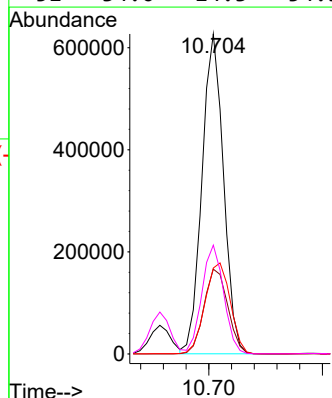
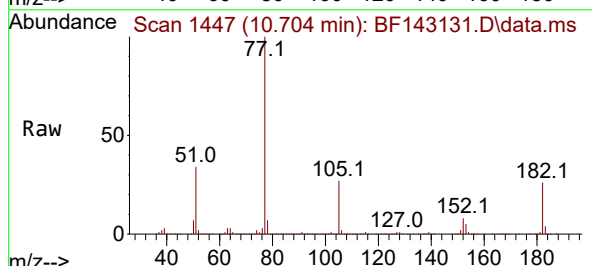
Instrument :
BNA_F
ClientSampleId :
TP-17MS

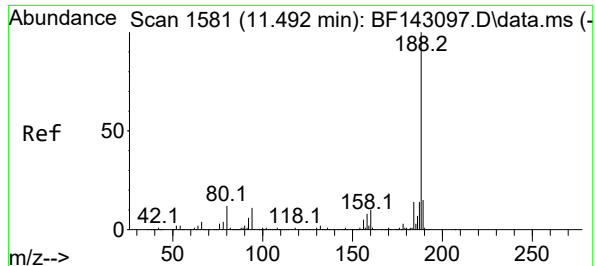
Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.0	30.4	70.4
108	70.1	49.5	89.5



#63
Azobenzene
Concen: 44.607 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.5	4.0	44.0
105	26.8	1.4	41.4
51	34.0	14.3	54.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

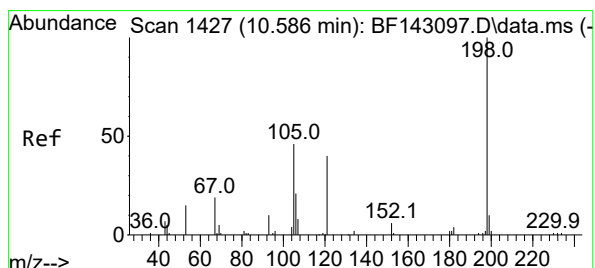
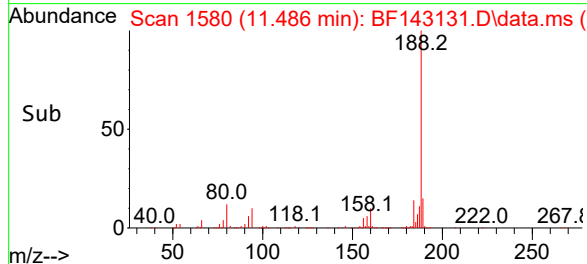
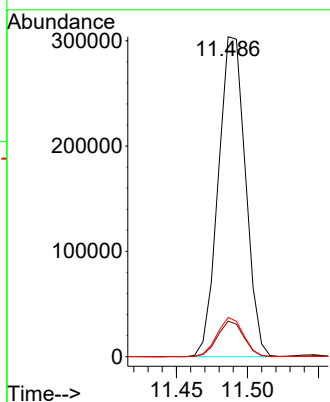
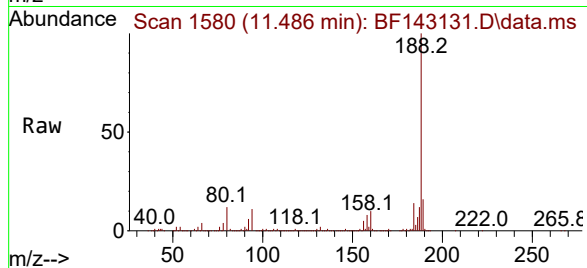
Tgt Ion:188 Resp: 404136

Ion Ratio Lower Upper

188 100

94 11.1 8.6 13.0

80 12.3 9.3 13.9



#65

4,6-Dinitro-2-methylphenol

Concen: 9.550 ng

RT: 10.586 min Scan# 1427

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

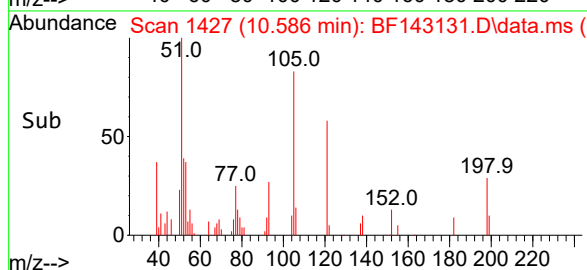
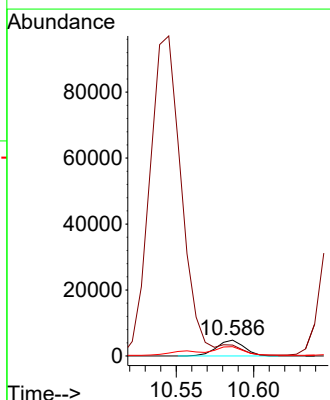
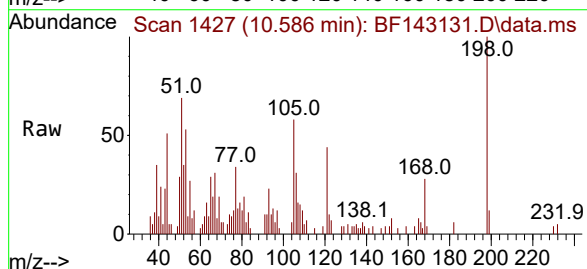
Tgt Ion:198 Resp: 5912

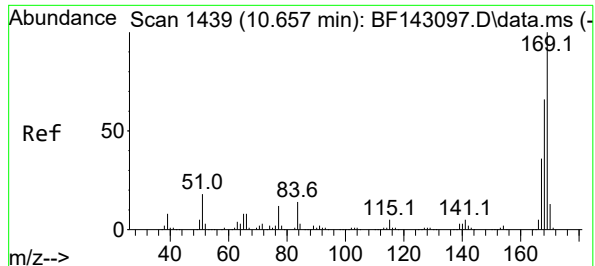
Ion Ratio Lower Upper

198 100

51 68.8 44.6 84.6

105 58.2 29.3 69.3

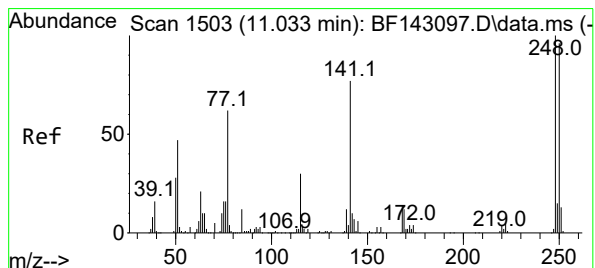
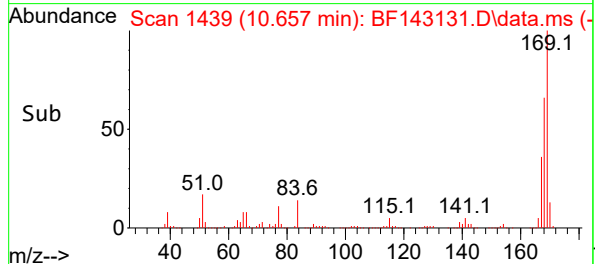
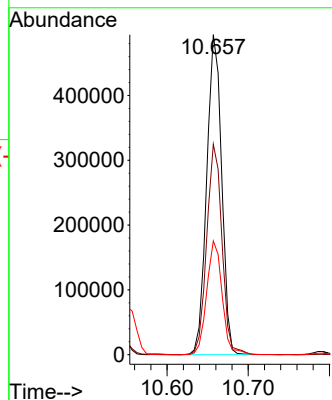
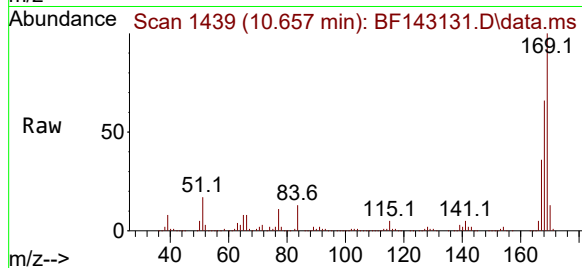




#66
n-Nitrosodiphenylamine
Concen: 44.342 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

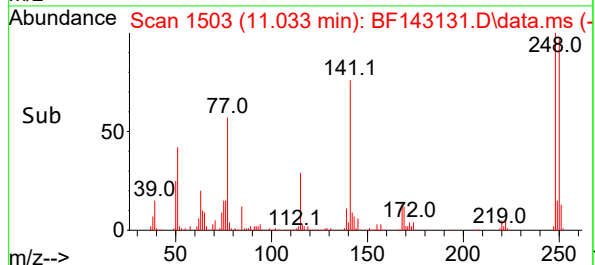
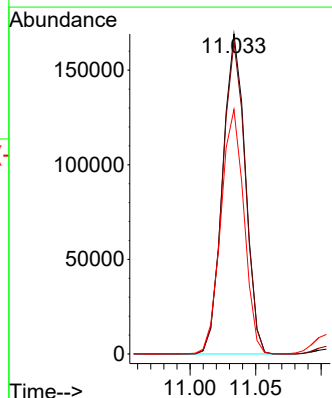
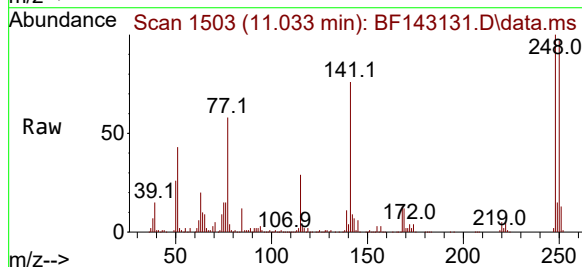
Instrument :
BNA_F
ClientSampleId :
TP-17MS

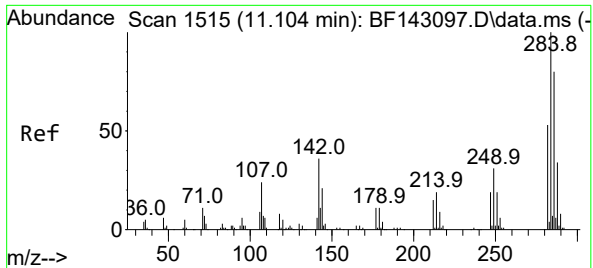
Tgt Ion:169 Resp: 629474
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.6
167 35.6 28.4 42.6



#67
4-Bromophenyl-phenylether
Concen: 44.257 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:248 Resp: 203399
Ion Ratio Lower Upper
248 100
250 97.4 76.7 115.1
141 76.4 61.7 92.5

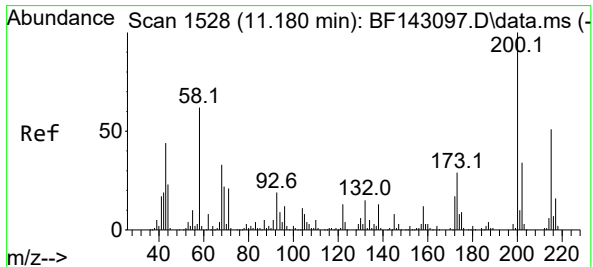
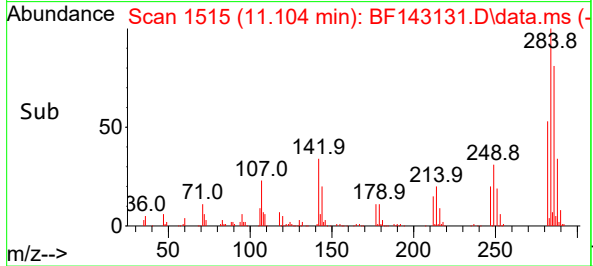
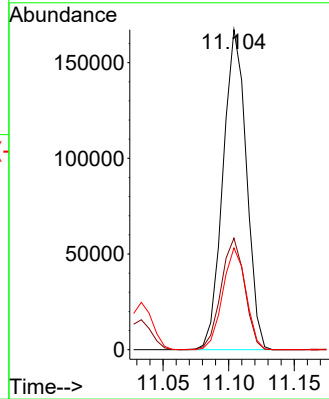
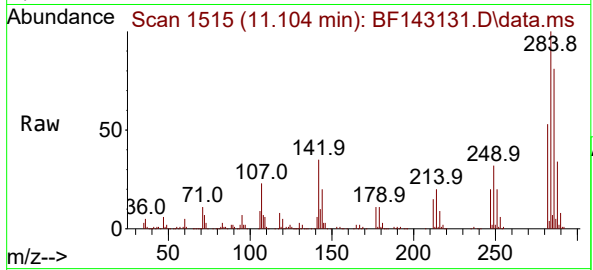




#68
Hexachlorobenzene
Concen: 42.555 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

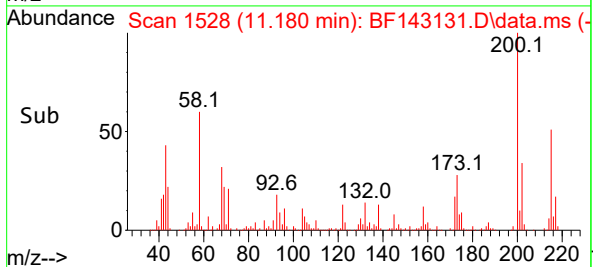
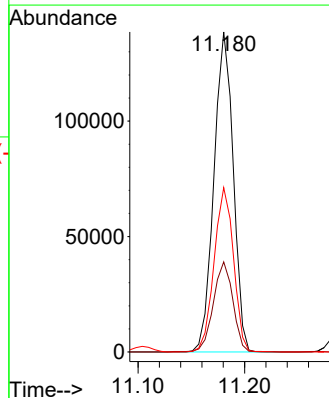
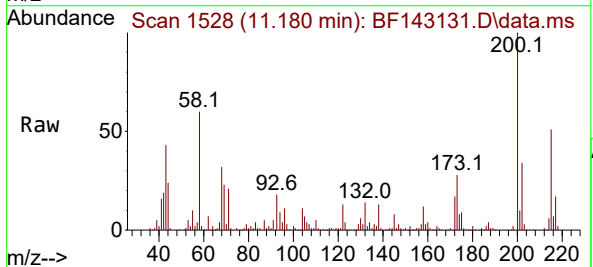
Instrument :
BNA_F
ClientSampleId :
TP-17MS

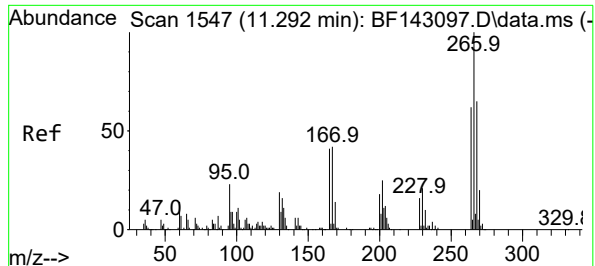
Tgt Ion:284 Resp: 207516
Ion Ratio Lower Upper
284 100
142 34.8 28.9 43.3
249 31.8 24.6 37.0



#69
Atrazine
Concen: 47.957 ng
RT: 11.180 min Scan# 1528
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:200 Resp: 174175
Ion Ratio Lower Upper
200 100
173 28.2 9.1 49.1
215 51.3 31.0 71.0





#70

Pentachlorophenol

Concen: 23.592 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

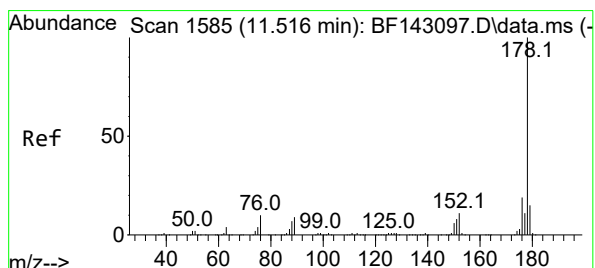
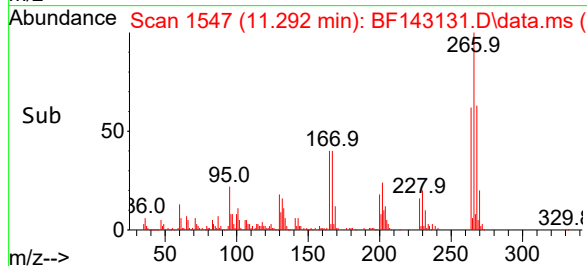
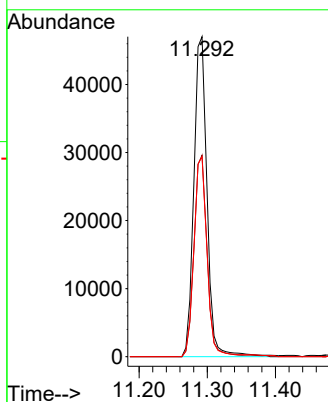
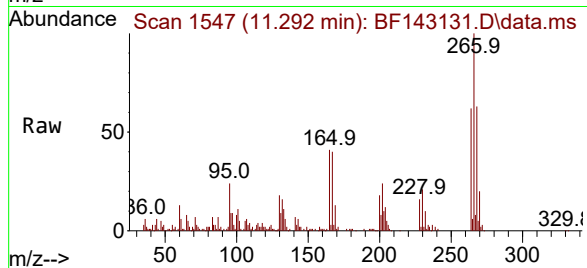
Tgt Ion:266 Resp: 63118

Ion Ratio Lower Upper

266 100

268 62.9 51.8 77.6

264 62.4 49.7 74.5



#71

Phenanthrene

Concen: 40.499 ng

RT: 11.516 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

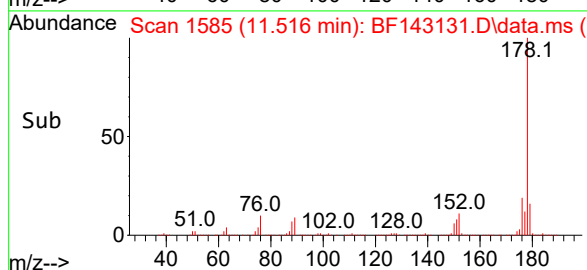
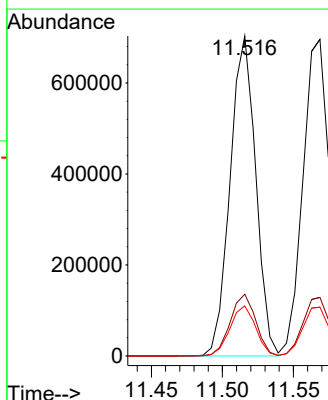
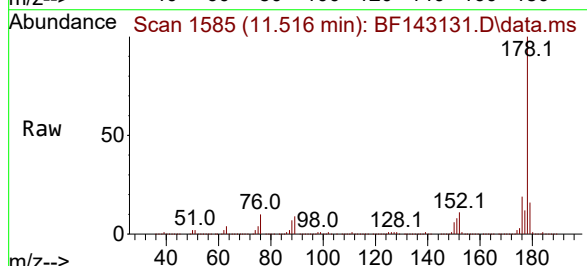
Tgt Ion:178 Resp: 883304

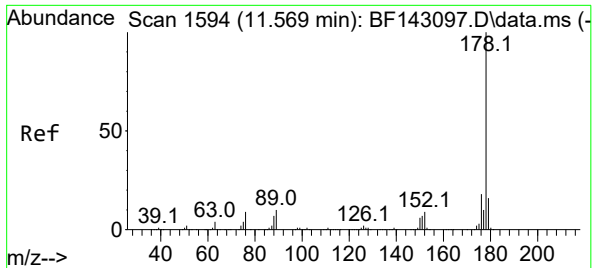
Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 15.7 12.2 18.4

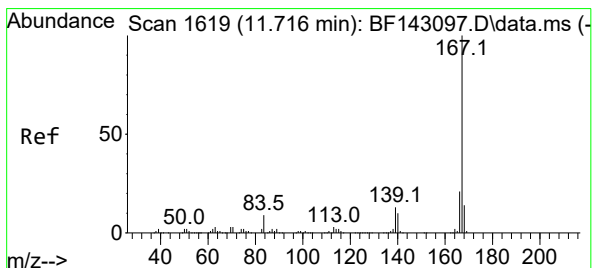
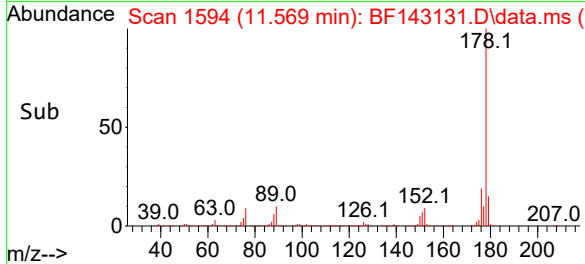
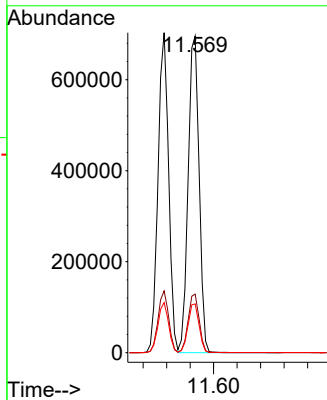
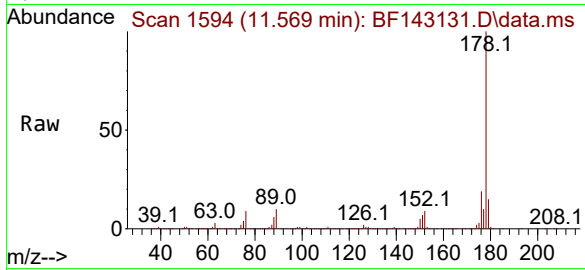




#72
Anthracene
Concen: 41.101 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

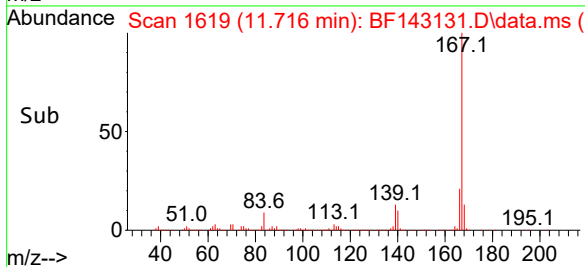
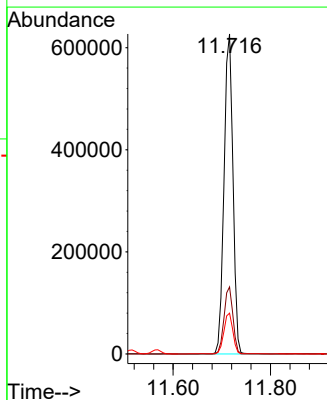
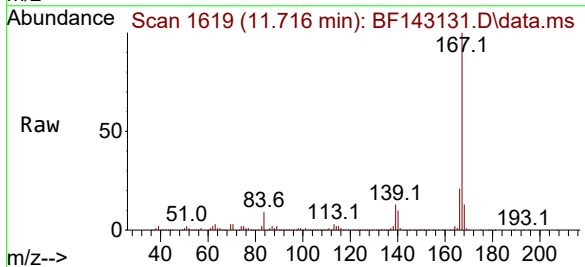
Instrument :
BNA_F
ClientSampleId :
TP-17MS

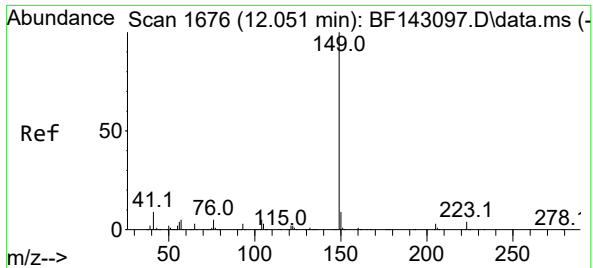
Tgt Ion:178 Resp: 901465
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.4 12.4 18.6



#73
Carbazole
Concen: 40.796 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:167 Resp: 801614
Ion Ratio Lower Upper
167 100
166 20.9 17.0 25.4
139 12.8 10.2 15.4

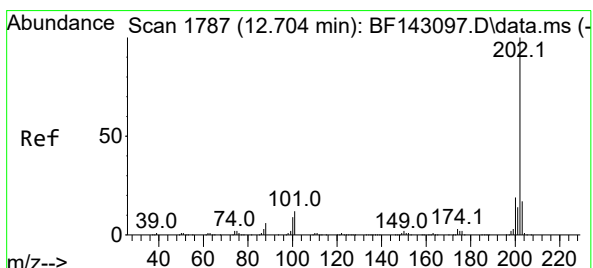
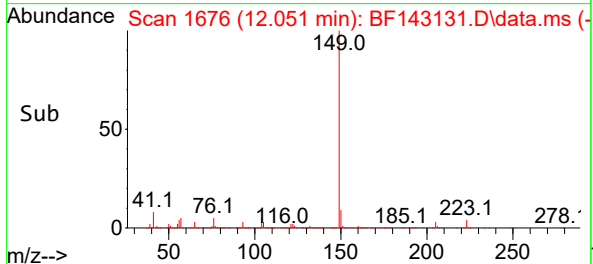
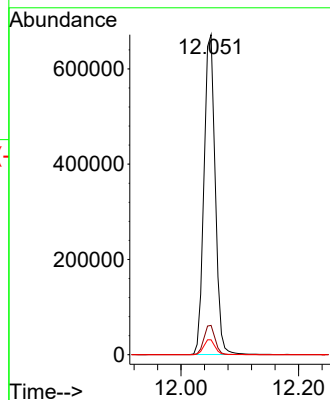
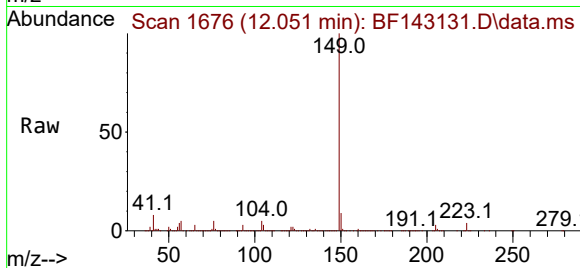




#74
Di-n-butylphthalate
Concen: 49.250 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

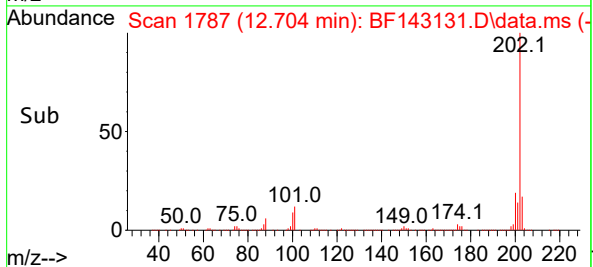
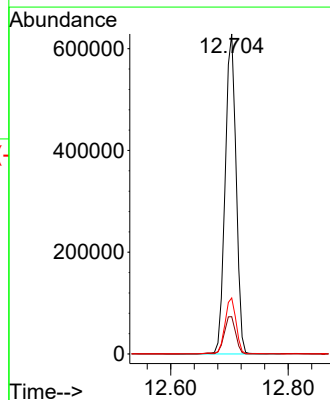
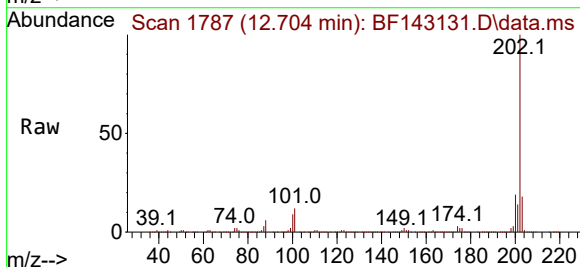
Instrument :
BNA_F
ClientSampleId :
TP-17MS

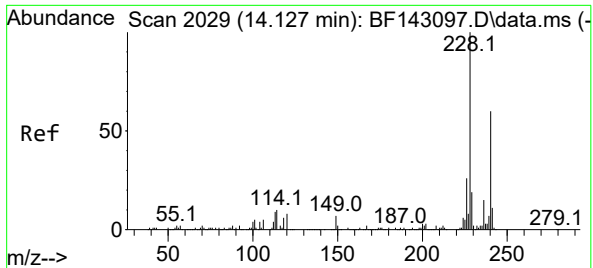
Tgt Ion:149 Resp: 888295
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.7 3.8 5.8



#75
Fluoranthene
Concen: 40.906 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:202 Resp: 811244
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.4
203 17.5 0.0 37.4

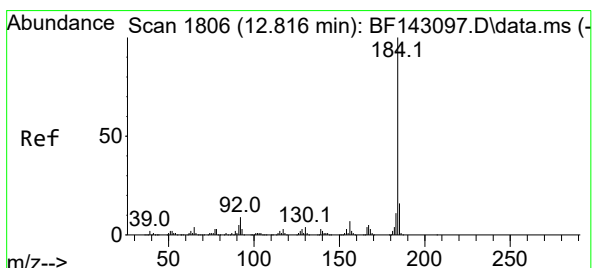
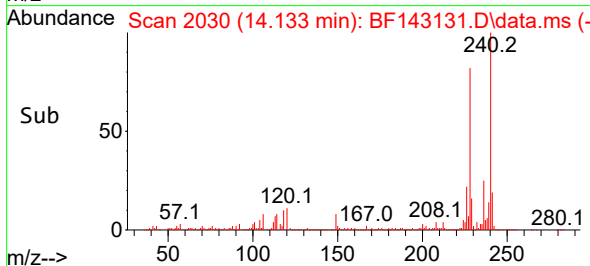
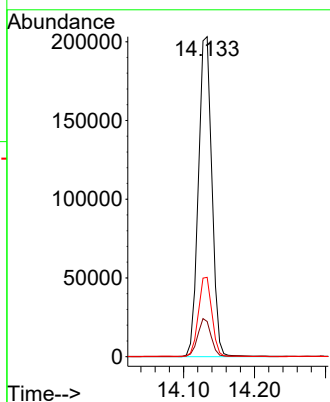
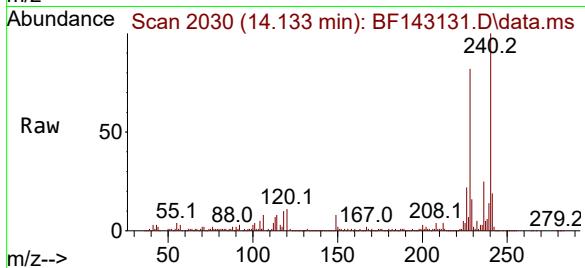




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

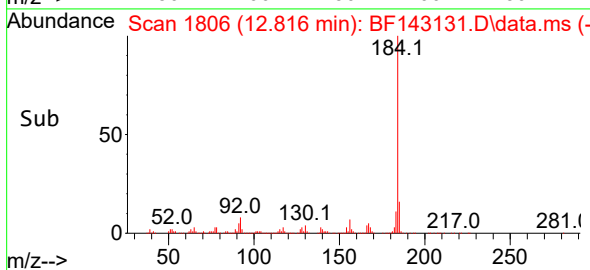
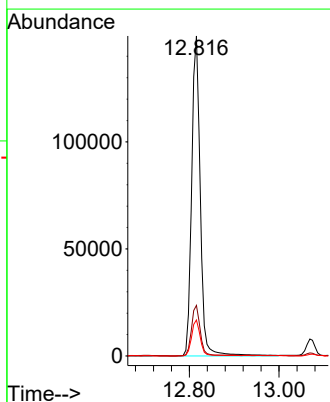
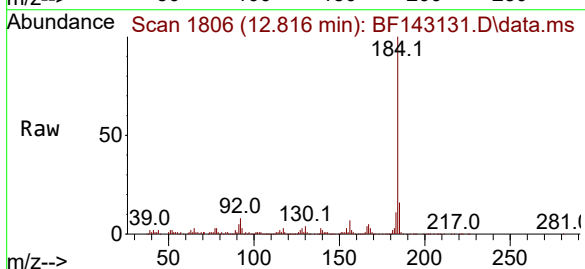
Instrument :
BNA_F
ClientSampleId :
TP-17MS

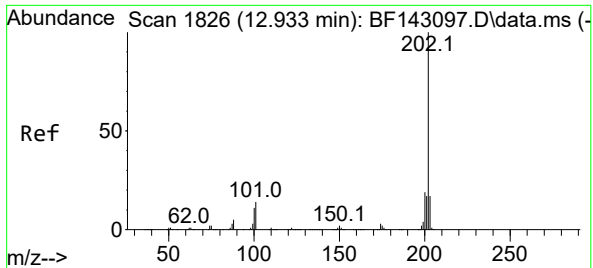
Tgt Ion:240 Resp: 268901
Ion Ratio Lower Upper
240 100
120 11.0 10.0 15.0
236 24.8 20.0 30.0



#77
Benzidine
Concen: 21.746 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:184 Resp: 199220
Ion Ratio Lower Upper
184 100
185 15.8 12.4 18.6
183 11.2 8.6 12.8





#78

Pyrene

Concen: 32.805 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

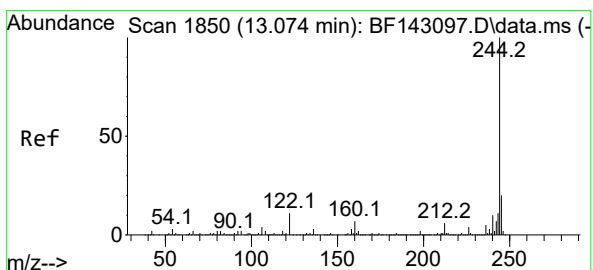
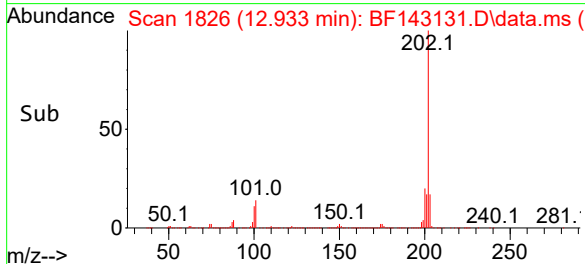
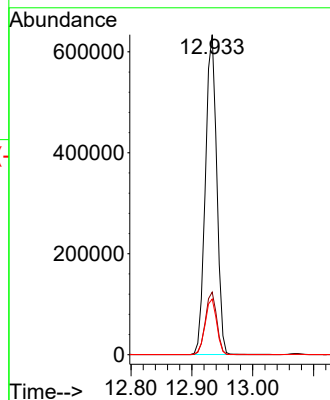
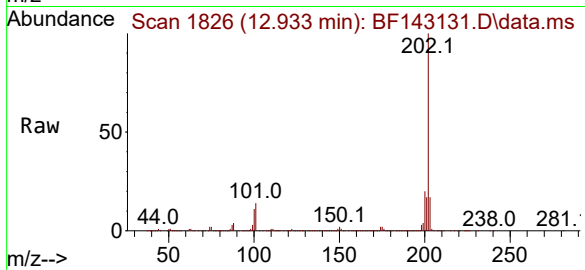
Tgt Ion:202 Resp: 818482

Ion Ratio Lower Upper

202 100

200 19.6 15.5 23.3

203 17.4 14.0 21.0



#79

Terphenyl-d14

Concen: 42.027 ng

RT: 13.069 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

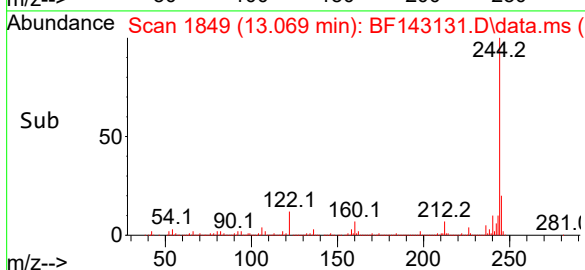
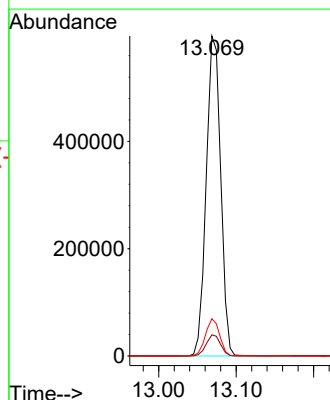
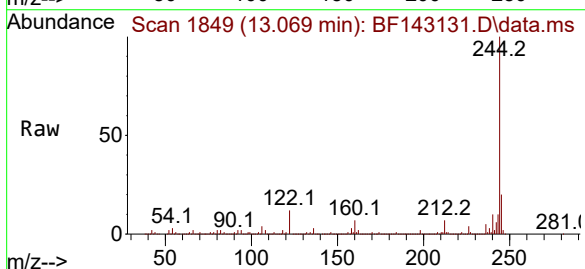
Tgt Ion:244 Resp: 773093

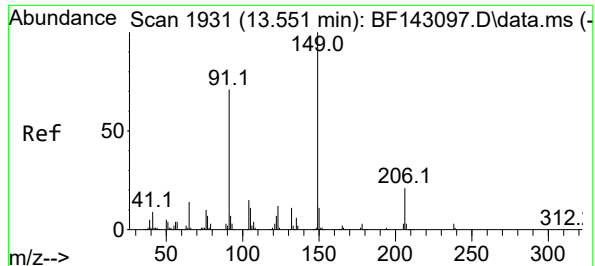
Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 11.6 8.8 13.2





#80

Butylbenzylphthalate

Concen: 47.168 ng

RT: 13.545 min Scan# 1931

Delta R.T. -0.006 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

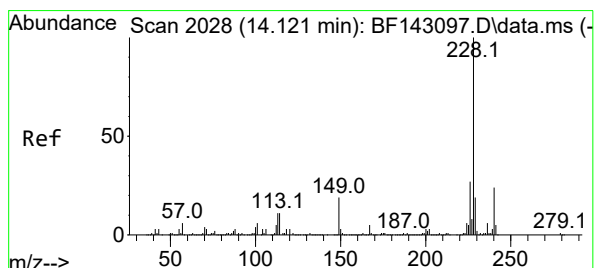
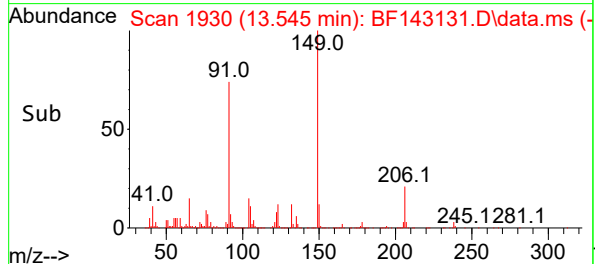
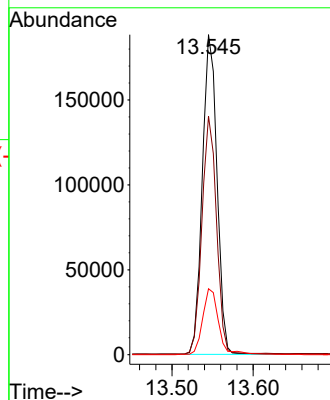
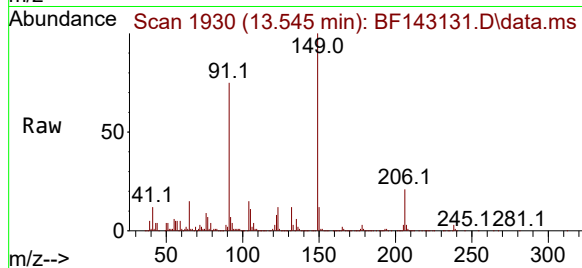
Tgt Ion:149 Resp: 236112

Ion Ratio Lower Upper

149 100

91 74.6 57.0 85.4

206 20.6 17.2 25.8



#81

Benzo(a)anthracene

Concen: 42.813 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

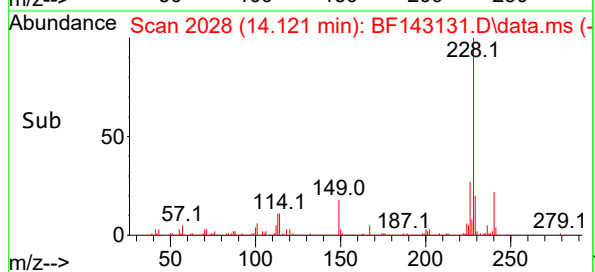
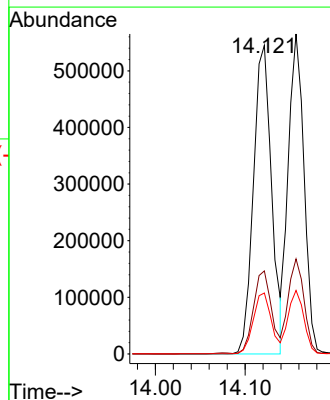
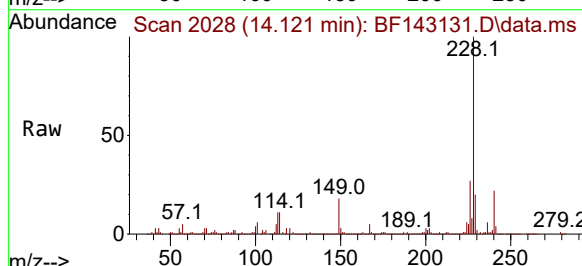
Tgt Ion:228 Resp: 767144

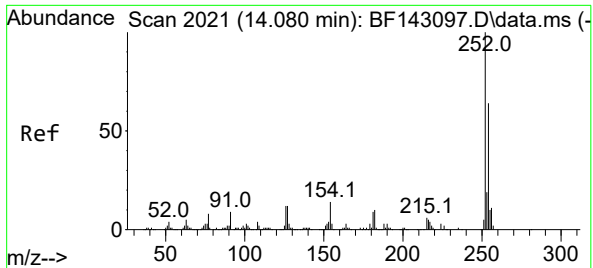
Ion Ratio Lower Upper

228 100

226 26.9 21.3 31.9

229 19.8 15.5 23.3

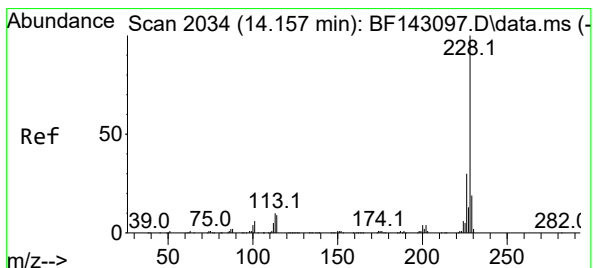
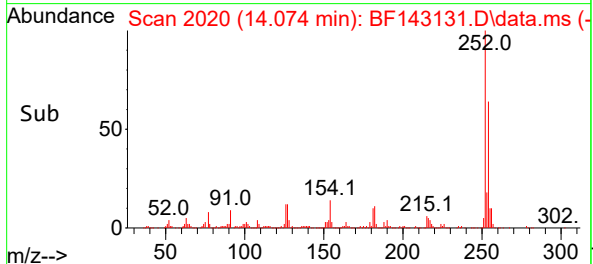
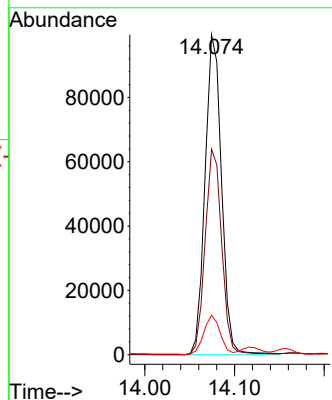
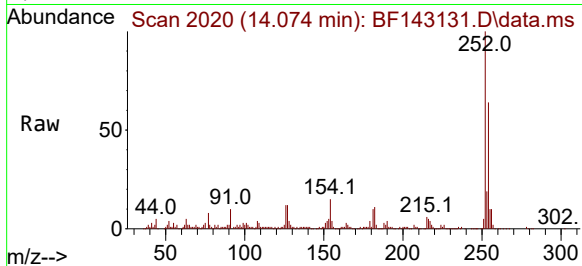




#82
3,3'-Dichlorobenzidine
Concen: 24.430 ng
RT: 14.074 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

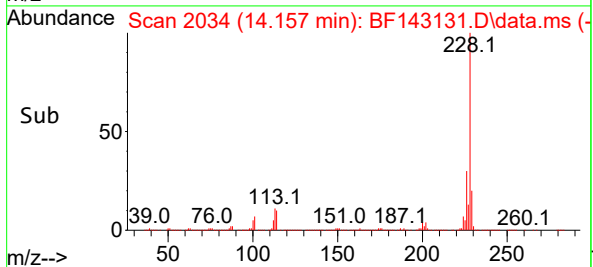
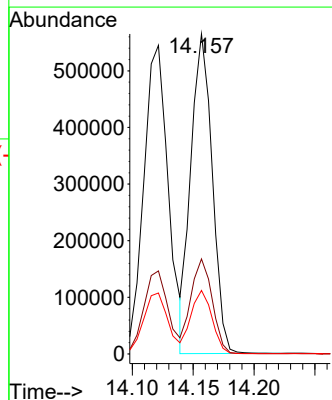
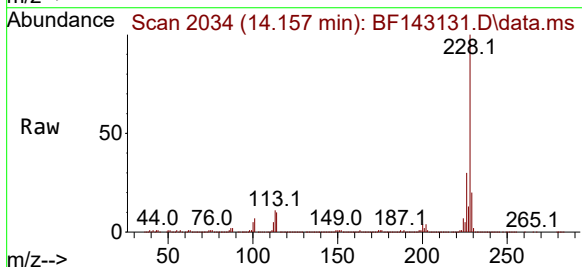
Instrument :
BNA_F
ClientSampleId :
TP-17MS

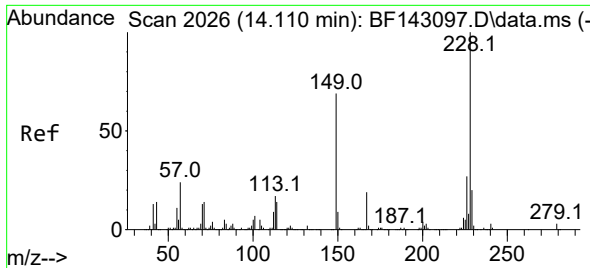
Tgt Ion:252 Resp: 127120
Ion Ratio Lower Upper
252 100
254 64.3 51.5 77.3
126 12.3 9.4 14.0



#83
Chrysene
Concen: 41.678 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:228 Resp: 687824
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.2
229 19.8 15.3 22.9

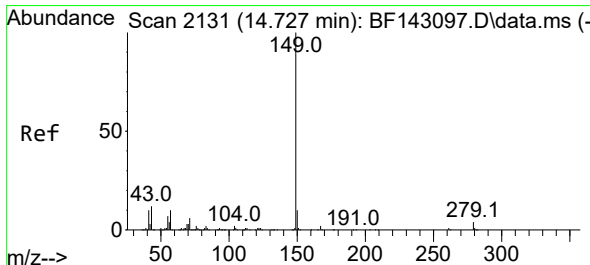
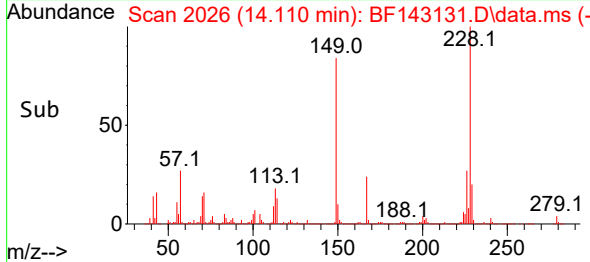
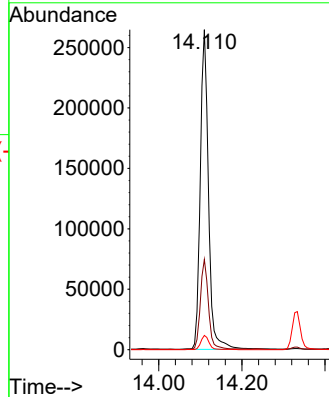
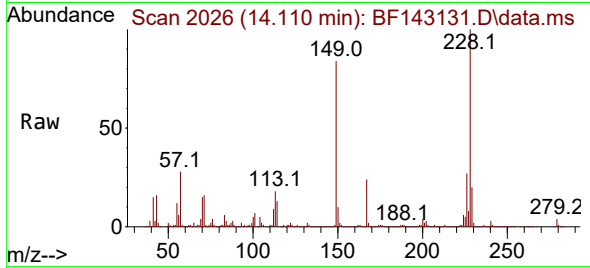




#84
Bis(2-ethylhexyl)phthalate
Concen: 48.051 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

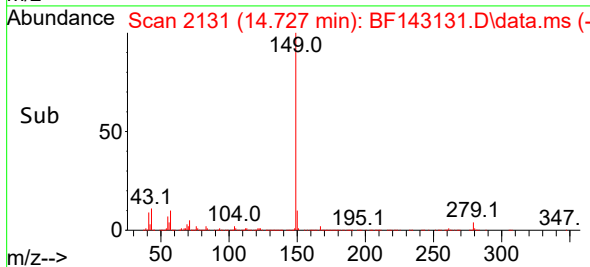
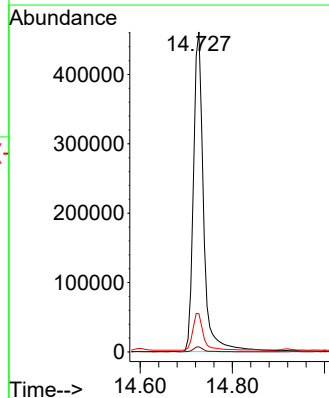
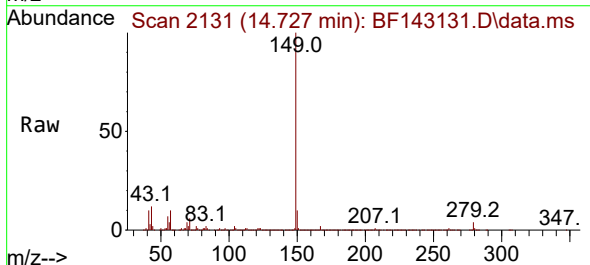
Instrument :
BNA_F
ClientSampleId :
TP-17MS

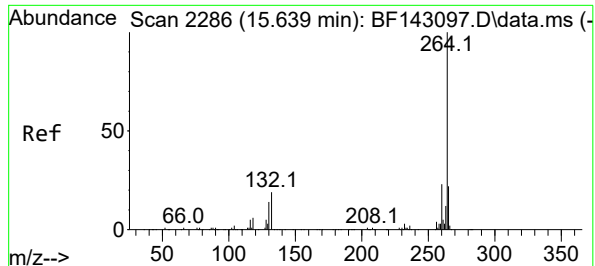
Tgt Ion:149 Resp: 363289
Ion Ratio Lower Upper
149 100
167 28.2 21.9 32.9
279 4.5 3.4 5.0



#85
Di-n-octyl phthalate
Concen: 49.122 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:149 Resp: 705195
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.0 10.6 16.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

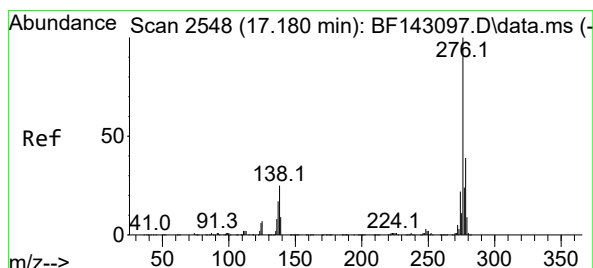
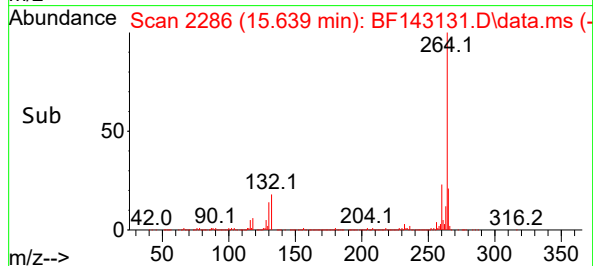
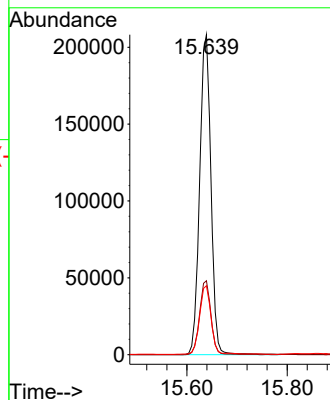
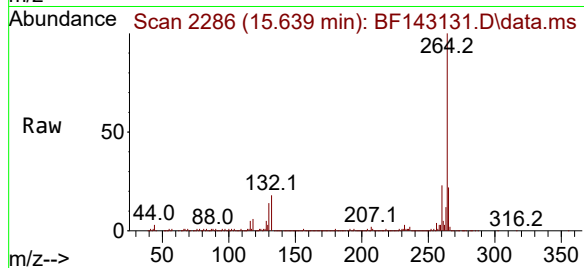
Tgt Ion:264 Resp: 324370

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.5 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 34.728 ng

RT: 17.180 min Scan# 2548

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

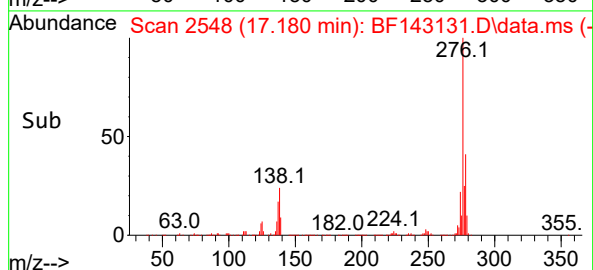
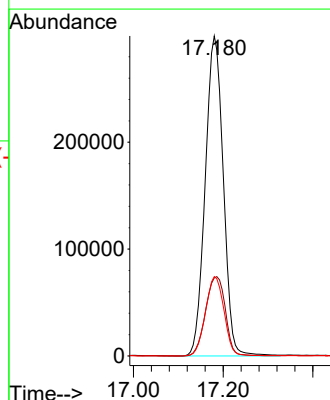
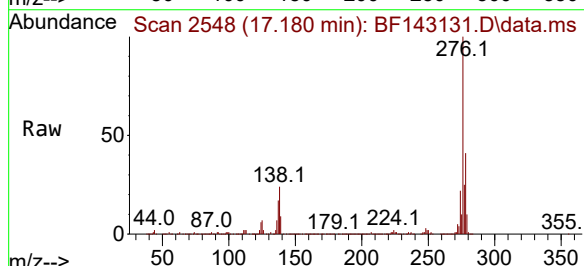
Tgt Ion:276 Resp: 837824

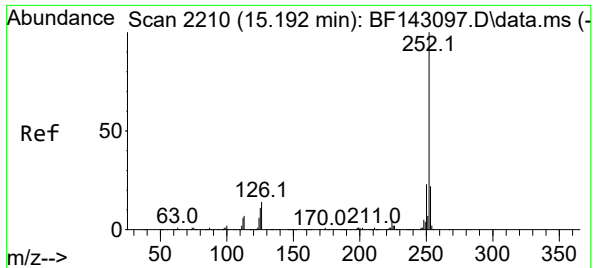
Ion Ratio Lower Upper

276 100

138 27.1 22.6 34.0

277 25.5 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 47.198 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

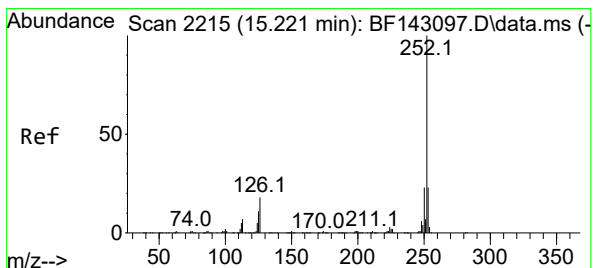
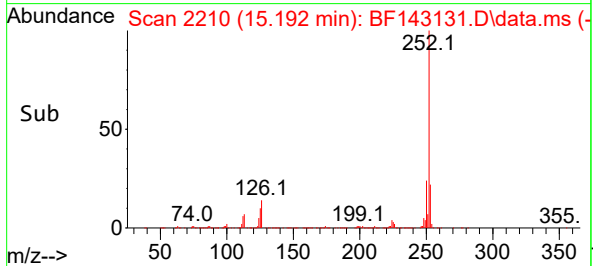
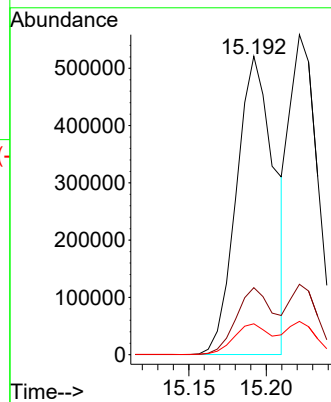
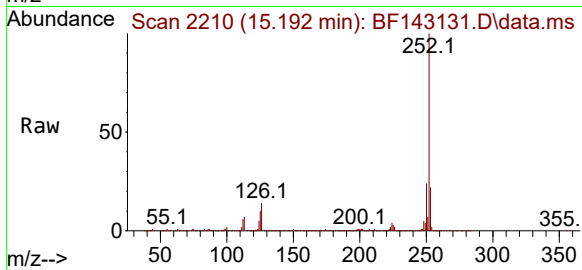
Tgt Ion:252 Resp: 883083

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.3 8.6 13.0



#89

Benzo(k)fluoranthene

Concen: 39.064 ng

RT: 15.221 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

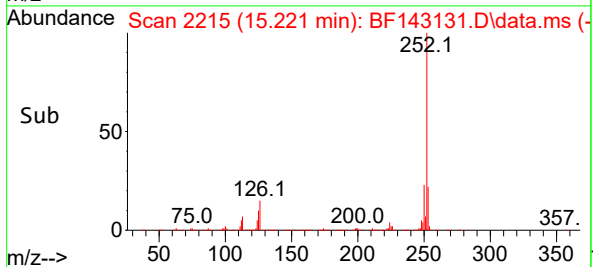
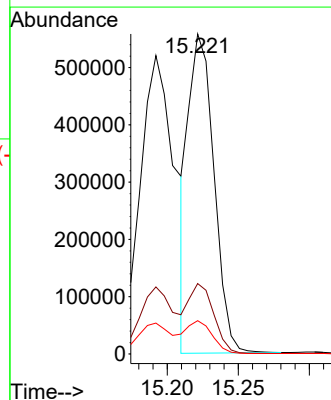
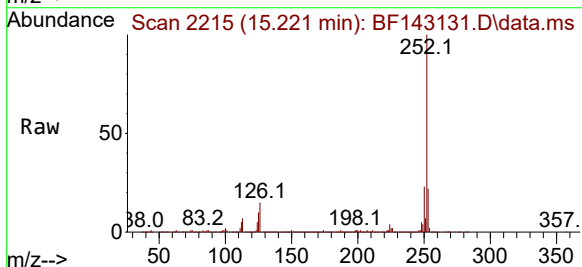
Tgt Ion:252 Resp: 697281

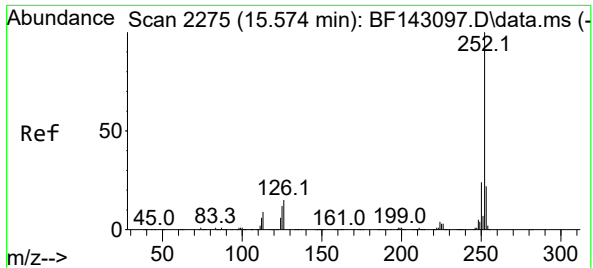
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 10.4 8.5 12.7





#90

Benzo(a)pyrene

Concen: 44.118 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS

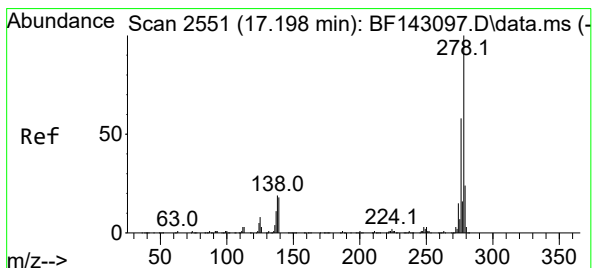
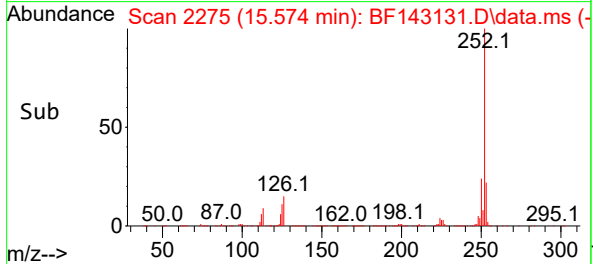
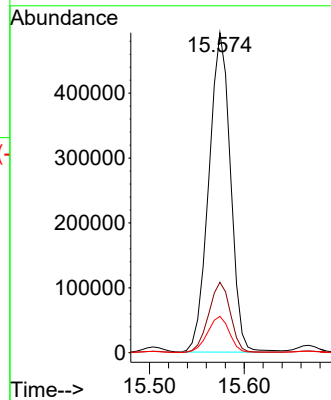
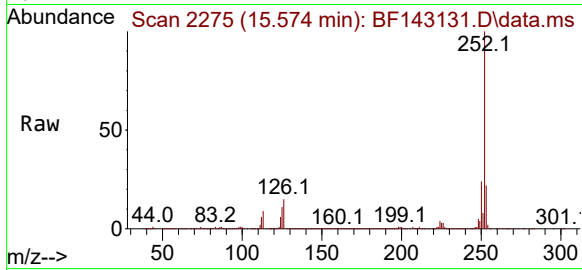
Tgt Ion:252 Resp: 780700

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 11.3 9.4 14.0



#91

Dibenzo(a,h)anthracene

Concen: 34.307 ng

RT: 17.198 min Scan# 2551

Delta R.T. 0.000 min

Lab File: BF143131.D

Acq: 17 Jul 2025 02:34

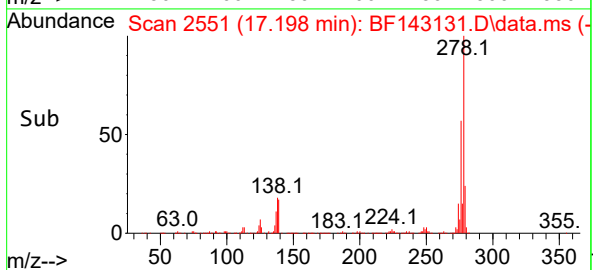
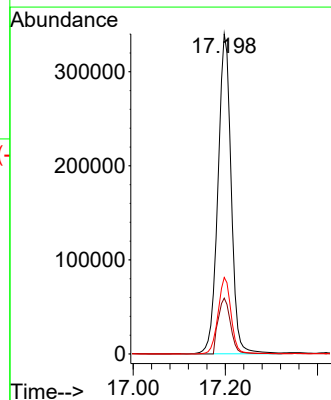
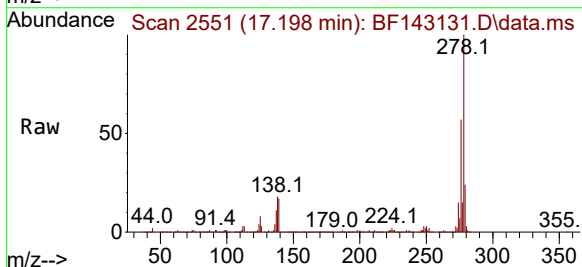
Tgt Ion:278 Resp: 676587

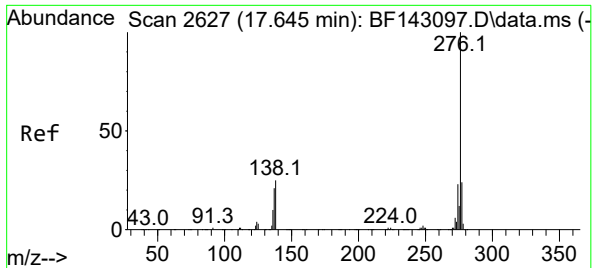
Ion Ratio Lower Upper

278 100

139 17.4 14.6 22.0

279 23.9 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 32.139 ng

RT: 17.645 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143131.D

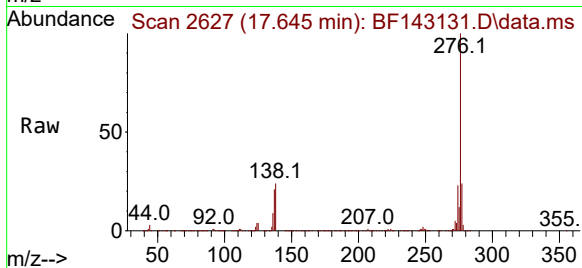
Acq: 17 Jul 2025 02:34

Instrument :

BNA_F

ClientSampleId :

TP-17MS



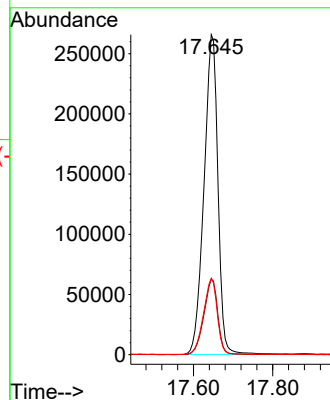
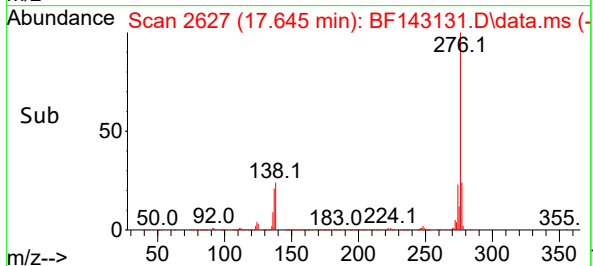
Tgt Ion:276 Resp: 646206

Ion Ratio Lower Upper

276 100

277 23.6 19.2 28.8

138 23.9 19.8 29.6



Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	TP-17MSD	SDG No.:	Q2558
Lab Sample ID:	Q2571-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143132.D	1	07/11/25 09:50	07/17/25 03:03	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.91		0.016	0.089	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.91		0.017	0.089	0.12	mg/Kg
208-96-8	Acenaphthylene	0.93		0.020	0.089	0.12	mg/Kg
83-32-9	Acenaphthene	0.89		0.015	0.089	0.12	mg/Kg
86-73-7	Fluorene	0.89		0.017	0.089	0.12	mg/Kg
85-01-8	Phenanthrene	0.91		0.014	0.089	0.12	mg/Kg
120-12-7	Anthracene	0.91		0.023	0.089	0.12	mg/Kg
206-44-0	Fluoranthene	0.92		0.020	0.089	0.12	mg/Kg
129-00-0	Pyrene	0.74		0.025	0.089	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	0.96		0.016	0.089	0.12	mg/Kg
218-01-9	Chrysene	0.93		0.014	0.089	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.10		0.013	0.089	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.90		0.015	0.089	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.00		0.020	0.089	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.75		0.020	0.089	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.74		0.019	0.089	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.69		0.018	0.089	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	65.4		37 - 122		65%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.6		44 - 115		54%	SPK: 100
1718-51-0	Terphenyl-d14	41.6	*	54 - 127		42%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155000		6.969			
1146-65-2	Naphthalene-d8	574000		8.251			
15067-26-2	Acenaphthene-d10	274000		10.004			
1517-22-2	Phenanthrene-d10	405000		11.492			
1719-03-5	Chrysene-d12	271000		14.133			
1520-96-3	Perylene-d12	316000		15.639			

Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	TP-17MSD	SDG No.:	Q2558
Lab Sample ID:	Q2571-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143132.D	1	07/11/25 09:50	07/17/25 03:03	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143132.D
 Acq On : 17 Jul 2025 03:03
 Operator : RC/JU
 Sample : Q2571-05MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17MSD

Quant Time: Jul 17 03:49:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	154642	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	573690	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	274130	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	404556	20.000	ng	0.00
76) Chrysene-d12	14.133	240	270975	20.000	ng	0.00
86) Perylene-d12	15.639	264	316202	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.599	112	793928	81.113	ng	0.01
7) Phenol-d6	6.587	99	1031700	83.855	ng	0.00
23) Nitrobenzene-d5	7.522	82	669140	65.432	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	198539	81.226	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1106288	53.645	ng	0.00
79) Terphenyl-d14	13.069	244	771722	41.632	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.899	88	162234	33.297	ng	99
3) Pyridine	3.652	79	439142	35.593	ng	98
4) n-Nitrosodimethylamine	3.593	42	251775	39.387	ng	99
6) Aniline	6.628	93	416344	24.031	ng	99
8) 2-Chlorophenol	6.751	128	407920	41.480	ng	99
9) Benzaldehyde	6.516	77	294115	31.373	ng	99
10) Phenol	6.604	94	547911	41.137	ng	100
11) bis(2-Chloroethyl)ether	6.698	93	404904	39.269	ng	99
12) 1,3-Dichlorobenzene	6.910	146	435247	39.176	ng	99
13) 1,4-Dichlorobenzene	6.987	146	437253	39.120	ng	99
14) 1,2-Dichlorobenzene	7.140	146	418979	39.308	ng	98
15) Benzyl Alcohol	7.098	79	381475	41.845	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	736414	38.744	ng	100
17) 2-Methylphenol	7.210	107	341298	40.217	ng	99
18) Hexachloroethane	7.487	117	152901	42.022	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	295976	39.267	ng	99
20) 3+4-Methylphenols	7.363	107	415708	39.943	ng	96
22) Acetophenone	7.369	105	552881	39.979	ng	94
24) Nitrobenzene	7.545	77	446124	45.189	ng	98
25) Isophorone	7.781	82	817872	41.377	ng	99
26) 2-Nitrophenol	7.863	139	180165	45.858	ng	99
27) 2,4-Dimethylphenol	7.893	122	381063	41.536	ng	99
28) bis(2-Chloroethoxy)met...	7.993	93	492251	41.068	ng	99
29) 2,4-Dichlorophenol	8.098	162	317079	42.246	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	348097	40.867	ng	99
31) Naphthalene	8.269	128	1146191	40.233	ng	100
33) 4-Chloroaniline	8.310	127	159239	13.900	ng	97
34) Hexachlorobutadiene	8.392	225	212383	41.692	ng	99
35) Caprolactam	8.663	113	92881	39.630	ng	96
36) 4-Chloro-3-methylphenol	8.787	107	348019	41.626	ng	98
37) 2-Methylnaphthalene	8.963	142	680541	40.043	ng	100
38) 1-Methylnaphthalene	9.063	142	709748	40.264	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	332868	41.667	ng	99
41) Hexachlorocyclopentadiene	9.122	237	285312	64.416	ng	98
43) 2,4,6-Trichlorophenol	9.234	196	200935	40.479	ng	99
44) 2,4,5-Trichlorophenol	9.275	196	221043	42.469	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143132.D
 Acq On : 17 Jul 2025 03:03
 Operator : RC/JU
 Sample : Q2571-05MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17MSD

Quant Time: Jul 17 03:49:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

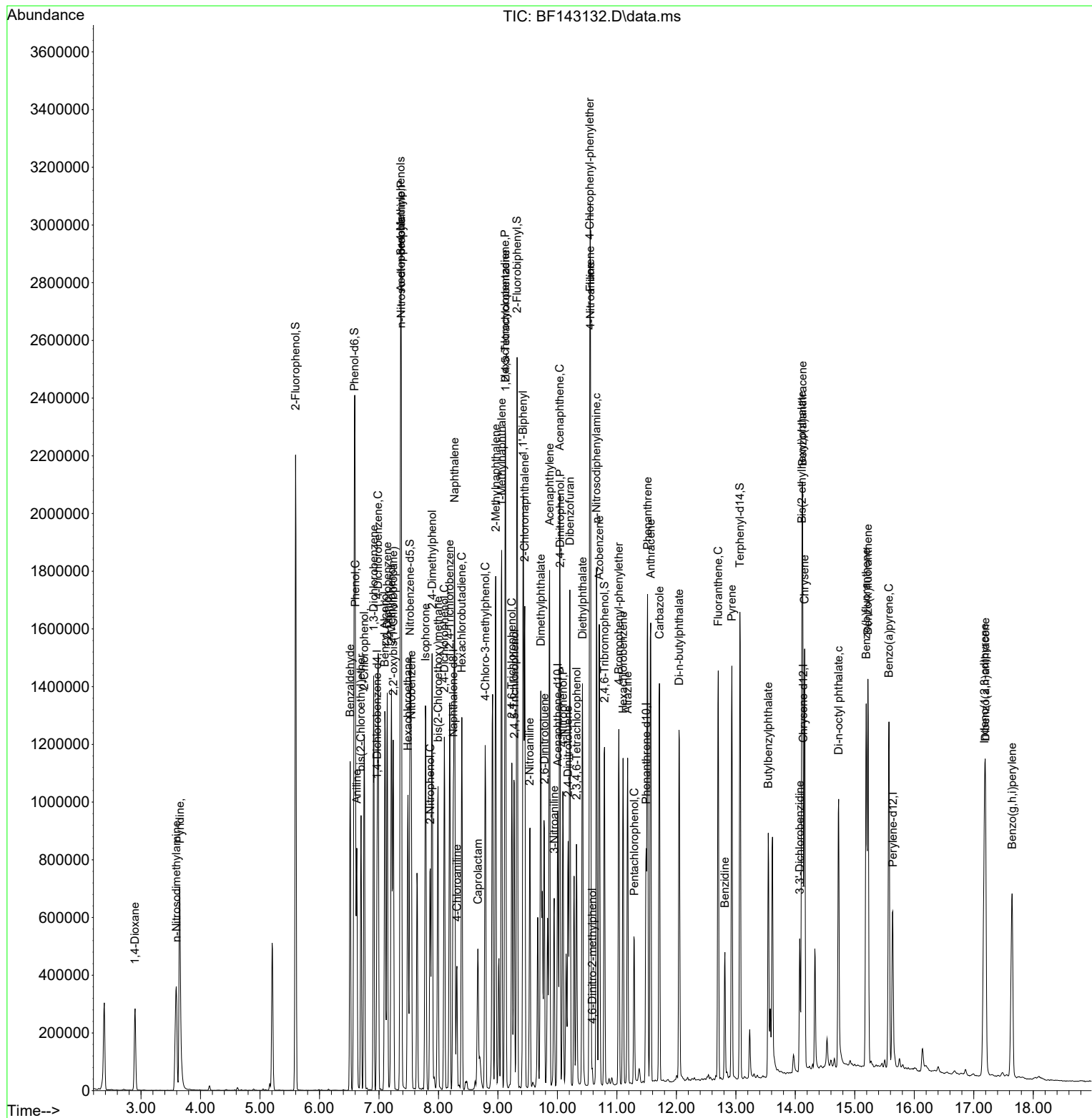
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.422	154	907562	41.515	ng	100
47) 2-Chloronaphthalene	9.451	162	659194	41.046	ng	99
48) 2-Nitroaniline	9.534	65	218325	45.695	ng	100
49) Acenaphthylene	9.869	152	1100552	41.125	ng	100
50) Dimethylphthalate	9.722	163	754861	43.770	ng	100
51) 2,6-Dinitrotoluene	9.781	165	155290	45.711	ng	89
52) Acenaphthene	10.039	154	616683	39.050	ng	99
53) 3-Nitroaniline	9.945	138	128024	34.355	ng	97
54) 2,4-Dinitrophenol	10.045	184	5497	10.510	ng	# 1
55) Dibenzofuran	10.210	168	942444	40.038	ng	100
56) 4-Nitrophenol	10.092	139	210415	71.046	ng	98
57) 2,4-Dinitrotoluene	10.181	165	190519	44.997	ng	98
58) Fluorene	10.551	166	689808	39.088	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	140420	33.949	ng	98
60) Diethylphthalate	10.422	149	722197	43.405	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	345005	40.789	ng	100
62) 4-Nitroaniline	10.557	138	139120	42.929	ng	99
63) Azobenzene	10.704	77	807710	43.895	ng	95
65) 4,6-Dinitro-2-methylph...	10.586	198	8364	11.197	ng	98
66) n-Nitrosodiphenylamine	10.657	169	622784	43.825	ng	99
67) 4-Bromophenyl-phenylether	11.034	248	205085	44.577	ng	98
68) Hexachlorobenzene	11.104	284	207302	42.467	ng	98
69) Atrazine	11.181	200	173844	47.816	ng	99
70) Pentachlorophenol	11.292	266	82071	30.644	ng	100
71) Phenanthrene	11.516	178	871164	39.901	ng	99
72) Anthracene	11.569	178	879525	40.059	ng	100
73) Carbazole	11.716	167	787172	40.020	ng	100
74) Di-n-butylphthalate	12.045	149	896492	49.653	ng	100
75) Fluoranthene	12.704	202	805111	40.555	ng	99
77) Benzidine	12.816	184	233917	25.338	ng	99
78) Pyrene	12.933	202	815947	32.454	ng	100
80) Butylbenzylphthalate	13.545	149	239643	47.482	ng	98
81) Benzo(a)anthracene	14.122	228	760550	42.120	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	129923	24.777	ng	99
83) Chrysene	14.157	228	680317	40.908	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	355208	46.724	ng	99
85) Di-n-octyl phthalate	14.727	149	706471	48.873	ng	97
87) Indeno(1,2,3-cd)pyrene	17.180	276	771881	32.821	ng	99
88) Benzo(b)fluoranthene	15.192	252	865209	47.437	ng	99
89) Benzo(k)fluoranthene	15.221	252	689026	39.598	ng	100
90) Benzo(a)pyrene	15.574	252	763138	44.239	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	629422	32.739	ng	99
92) Benzo(g,h,i)perylene	17.645	276	591750	30.191	ng	99

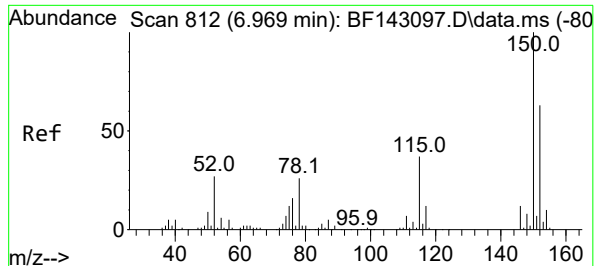
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF143132.D  
Acq On    : 17 Jul 2025  03:03  
Operator  : RC/JU  
Sample    : Q2571-05MSD  
Misc      :  
ALS Vial  : 17    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Quant Time: Jul 17 03:49:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

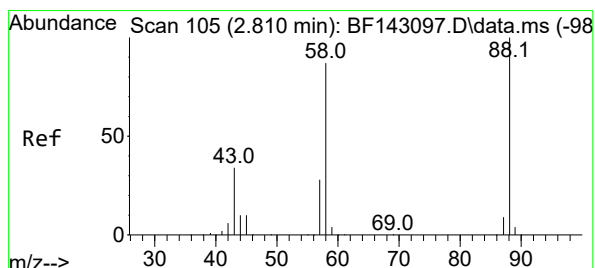
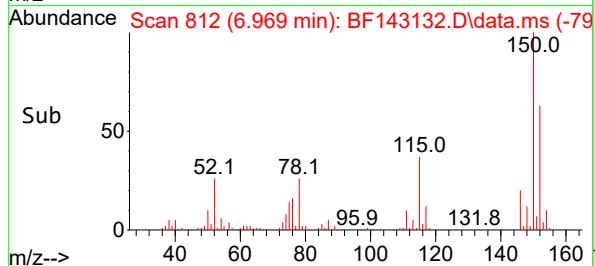
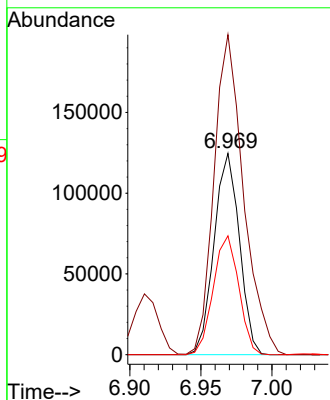
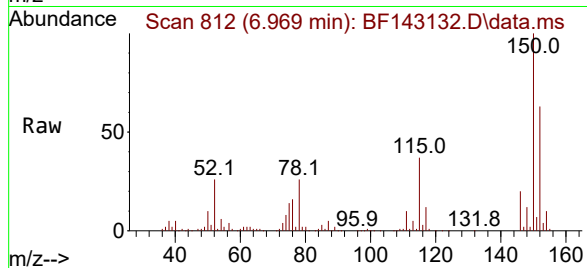




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

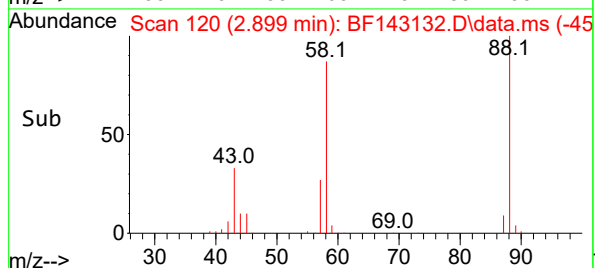
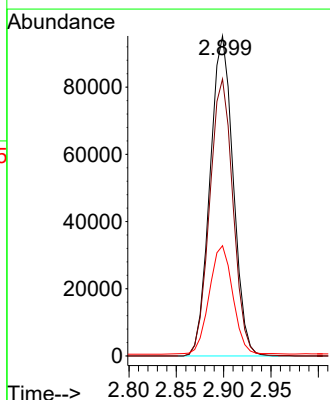
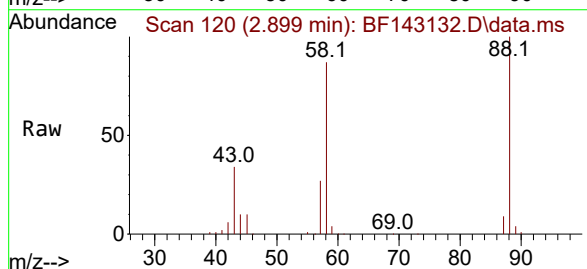
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

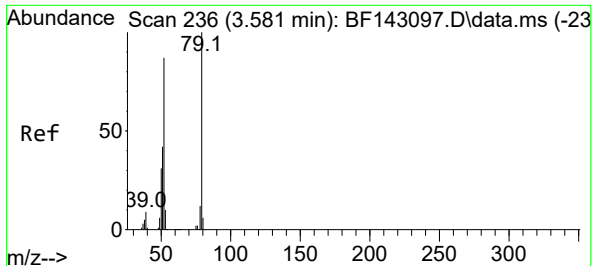
Tgt Ion:152 Resp: 154642
Ion Ratio Lower Upper
152 100
150 159.0 126.5 189.7
115 59.0 47.0 70.6



#2
1,4-Dioxane
Concen: 33.297 ng
RT: 2.899 min Scan# 120
Delta R.T. 0.088 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

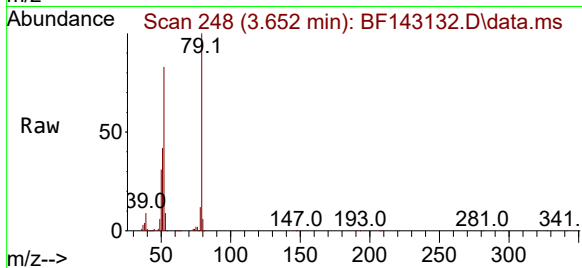
Tgt Ion: 88 Resp: 162234
Ion Ratio Lower Upper
88 100
58 87.0 70.5 105.7
43 34.6 27.3 40.9



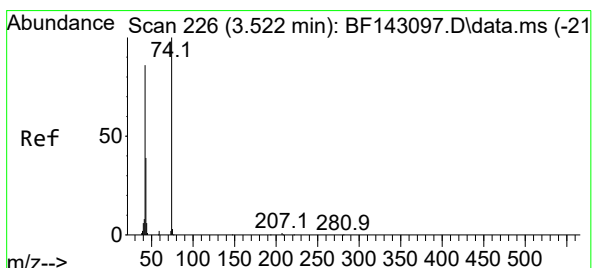
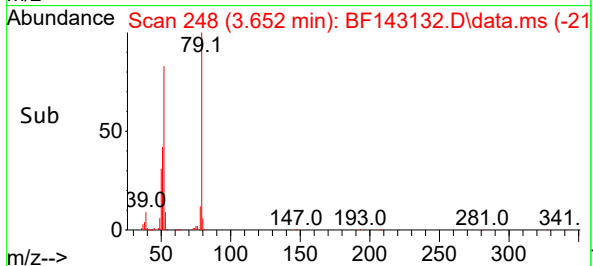
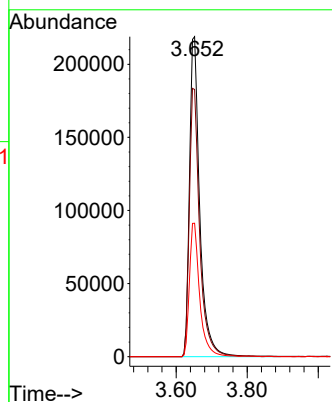


#3
Pyridine
Concen: 35.593 ng
RT: 3.652 min Scan# 24
Delta R.T. 0.071 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

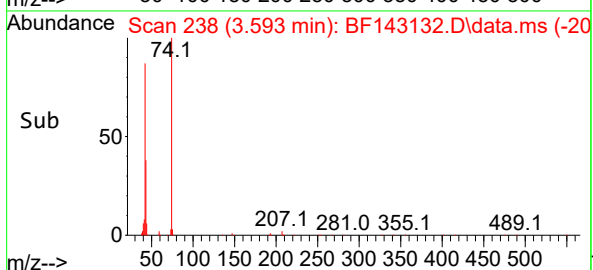
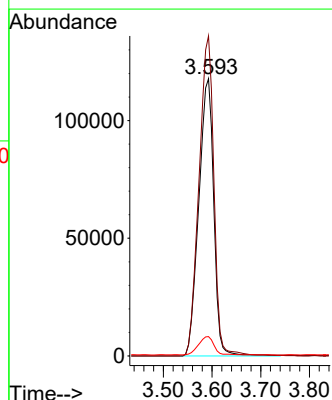
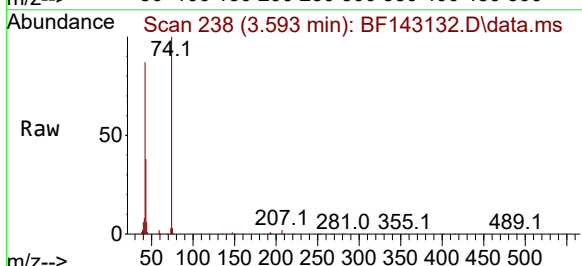


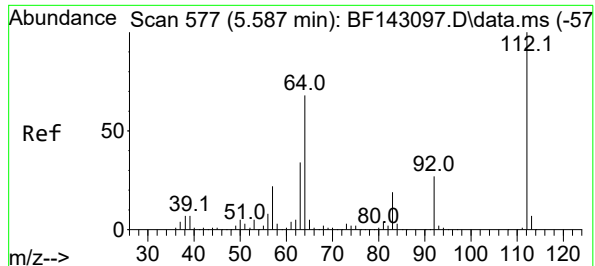
Tgt Ion: 79 Resp: 439142
Ion Ratio Lower Upper
79 100
52 83.5 69.2 103.8
51 41.7 33.3 49.9



#4
n-Nitrosodimethylamine
Concen: 39.387 ng
RT: 3.593 min Scan# 238
Delta R.T. 0.071 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 42 Resp: 251775
Ion Ratio Lower Upper
42 100
74 115.4 92.8 139.2
44 7.0 5.8 8.6

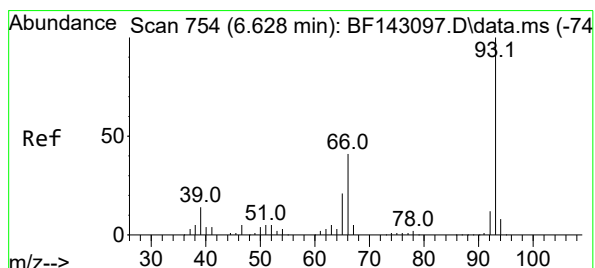
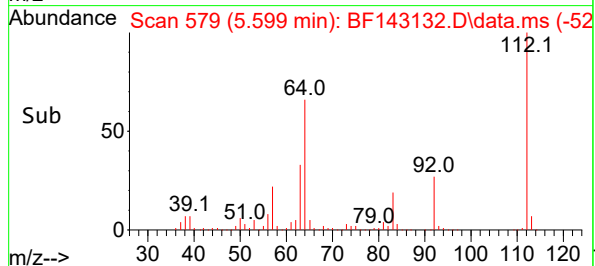
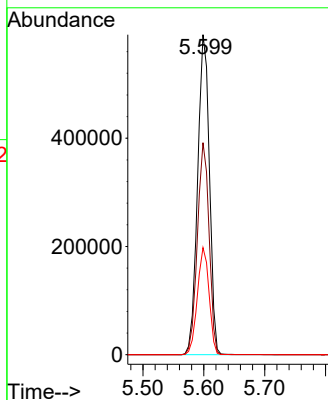
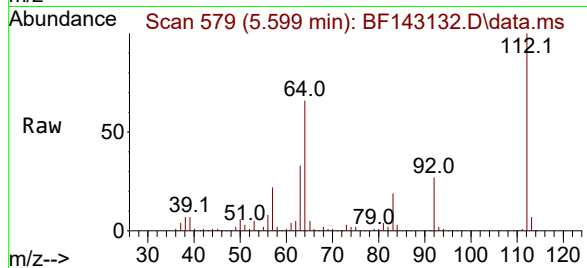




#5
2-Fluorophenol
Concen: 81.113 ng
RT: 5.599 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

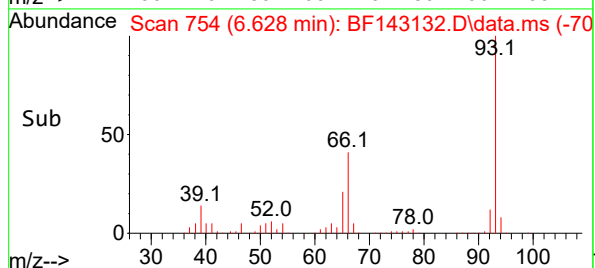
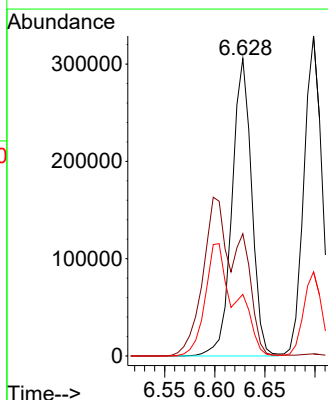
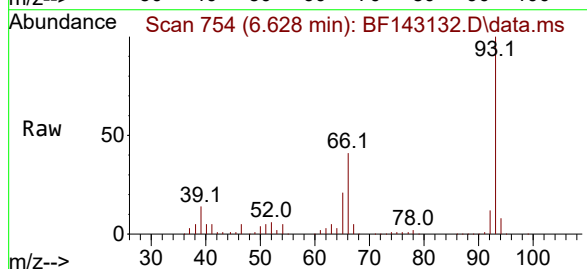
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

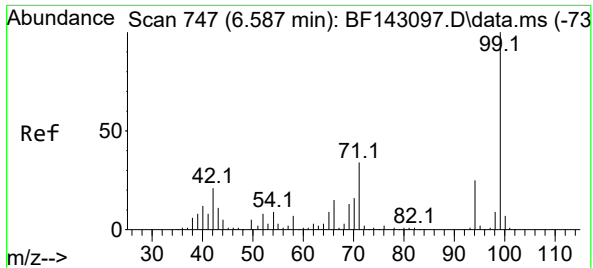
Tgt Ion:112 Resp: 793928
Ion Ratio Lower Upper
112 100
64 66.2 54.6 82.0
63 33.5 27.3 40.9



#6
Aniline
Concen: 24.031 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 93 Resp: 416344
Ion Ratio Lower Upper
93 100
66 41.1 33.1 49.7
65 20.7 16.9 25.3

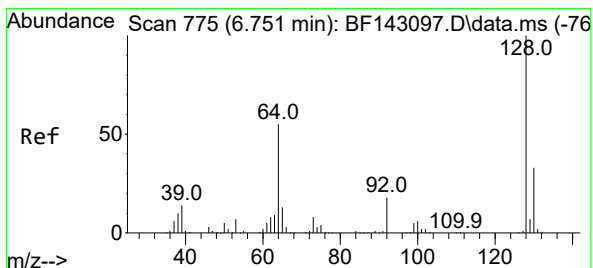
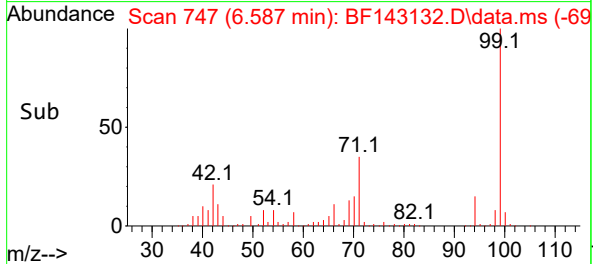
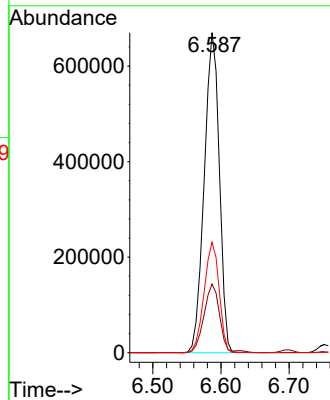
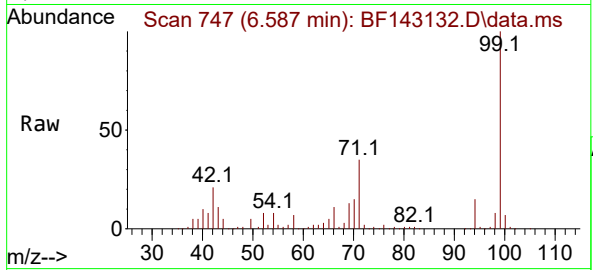




#7
Phenol-d6
Concen: 83.855 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

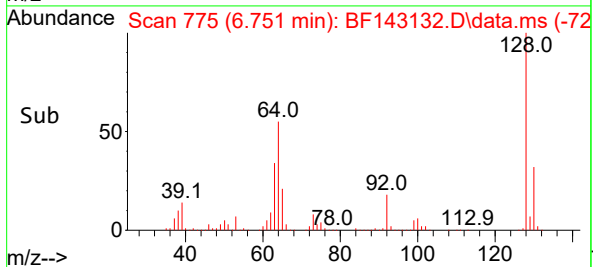
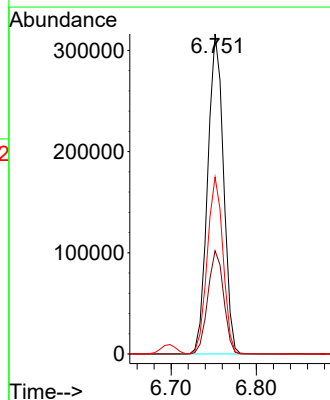
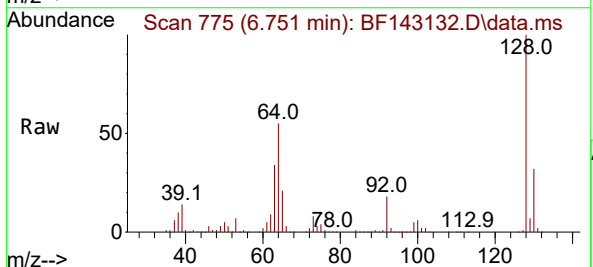
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

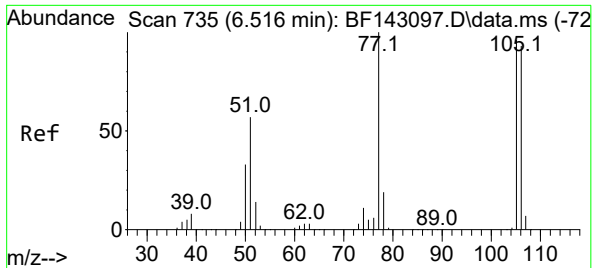
Tgt Ion: 99 Resp: 1031700
Ion Ratio Lower Upper
99 100
42 21.5 17.2 25.8
71 34.5 27.4 41.0



#8
2-Chlorophenol
Concen: 41.480 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 128 Resp: 407920
Ion Ratio Lower Upper
128 100
130 32.2 12.8 52.8
64 55.3 36.1 76.1

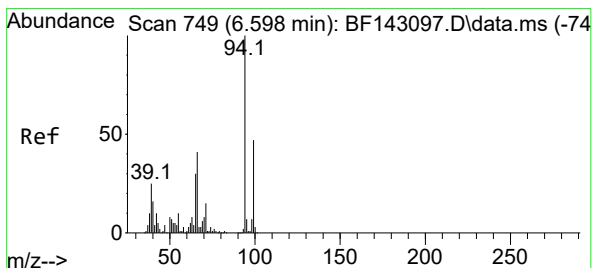
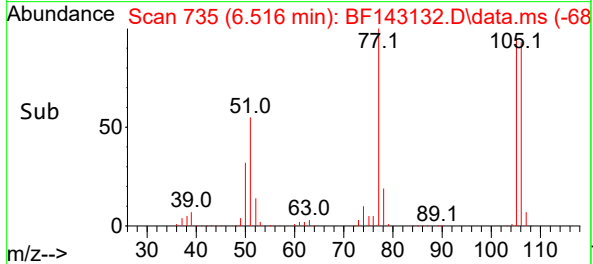
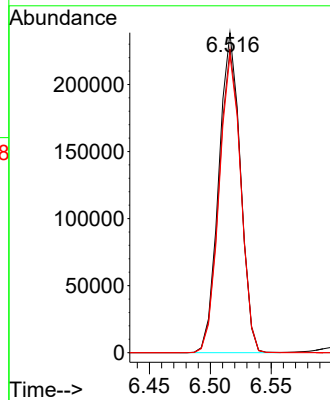
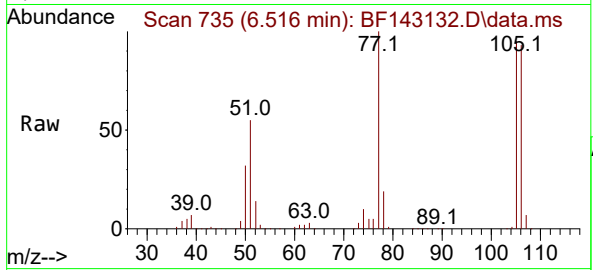




#9
Benzaldehyde
Concen: 31.373 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

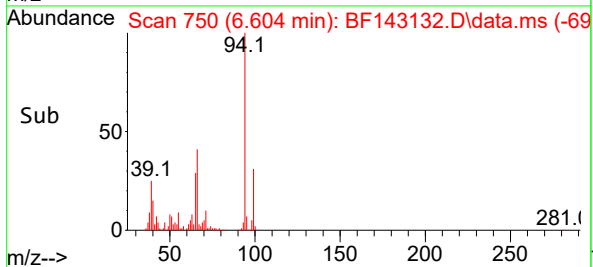
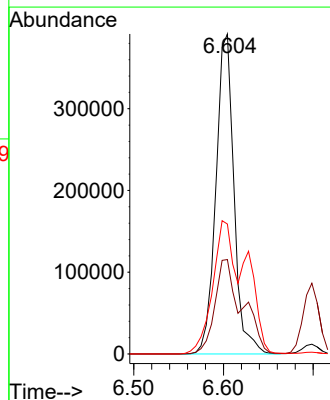
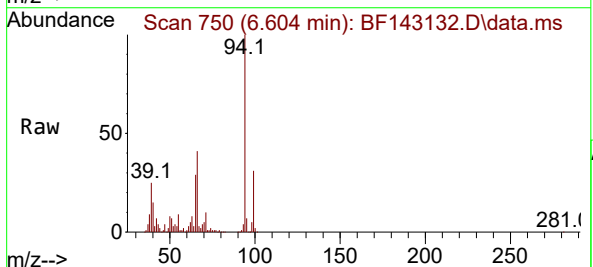
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

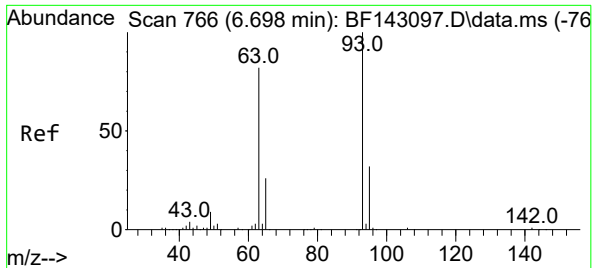
Tgt Ion: 77 Resp: 294115
Ion Ratio Lower Upper
77 100
105 94.8 76.3 116.3
106 92.9 72.8 112.8



#10
Phenol
Concen: 41.137 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 94 Resp: 547911
Ion Ratio Lower Upper
94 100
65 29.5 9.8 49.8
66 40.6 20.5 60.5

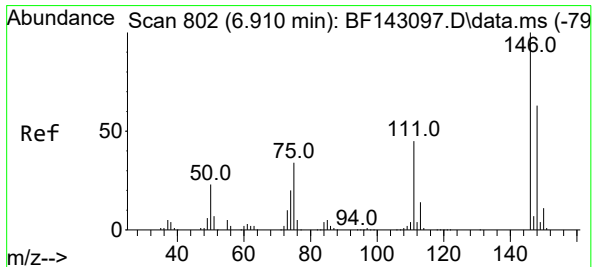
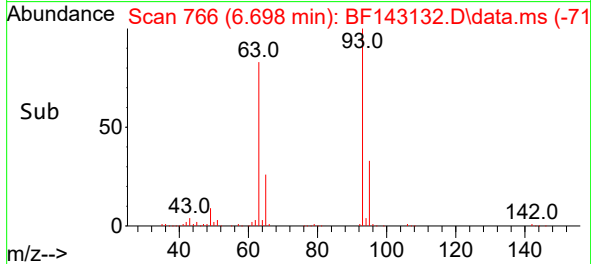
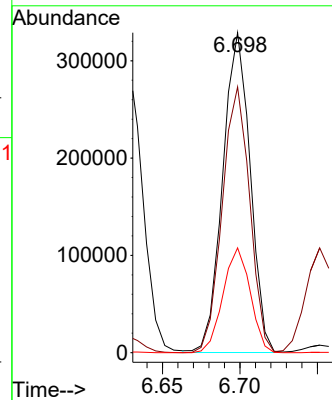
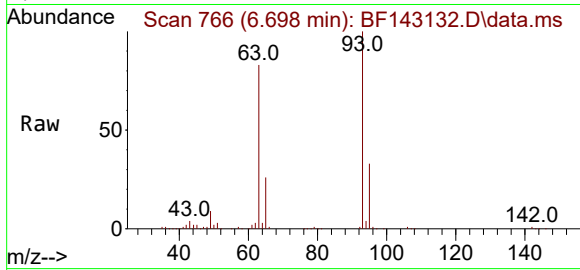




#11
bis(2-Chloroethyl)ether
Concen: 39.269 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

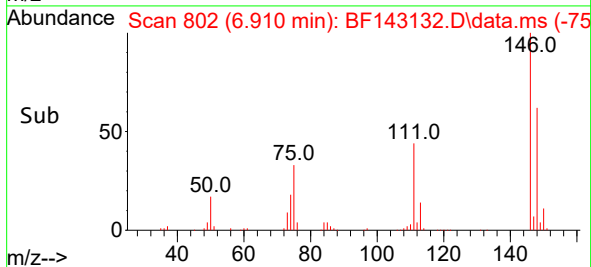
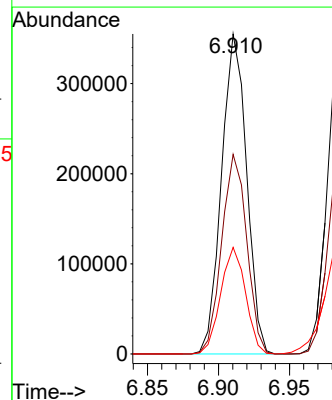
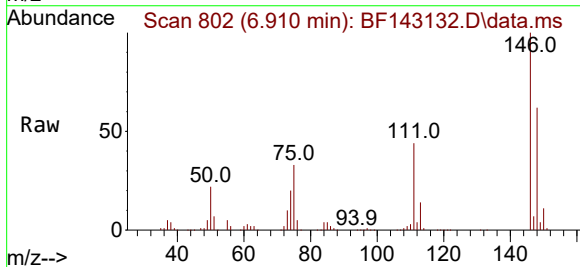
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

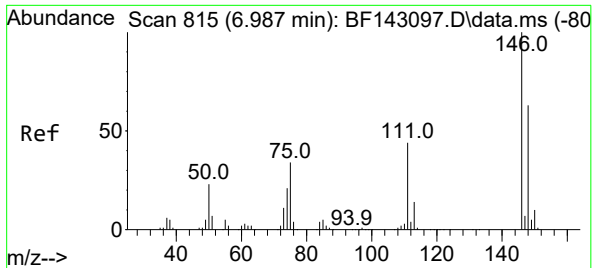
Tgt Ion: 93 Resp: 404904
Ion Ratio Lower Upper
93 100
63 83.1 61.9 101.9
95 32.7 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 39.176 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 146 Resp: 435247
Ion Ratio Lower Upper
146 100
148 62.3 50.1 75.1
75 33.3 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 39.120 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

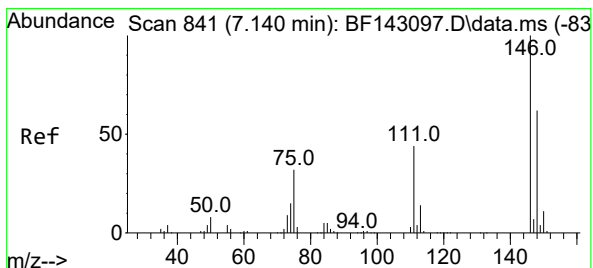
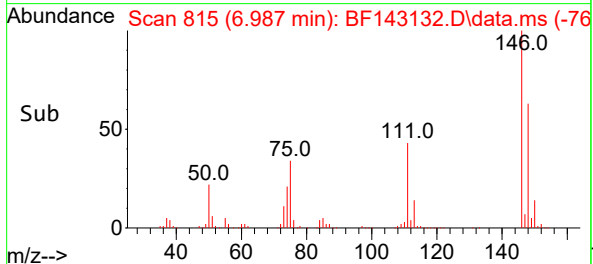
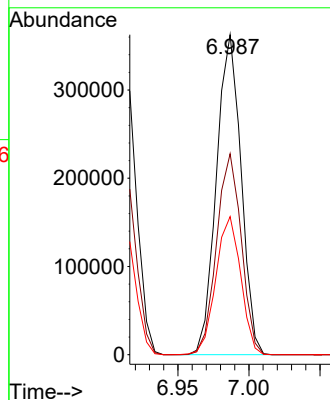
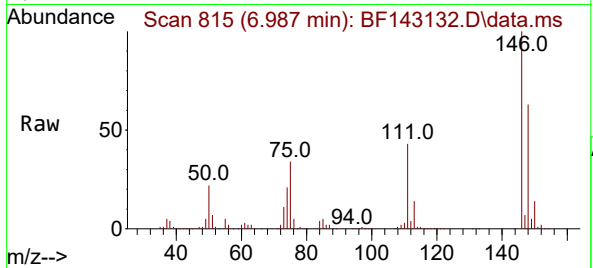
Tgt Ion:146 Resp: 437253

Ion Ratio Lower Upper

146 100

148 62.8 50.6 76.0

111 43.2 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 39.308 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

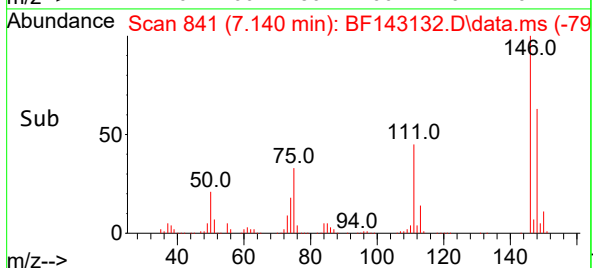
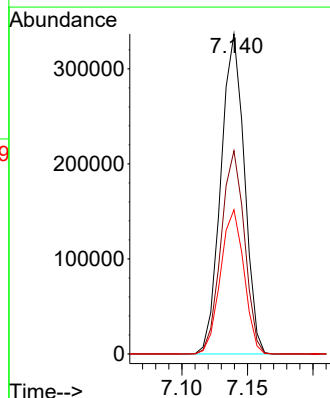
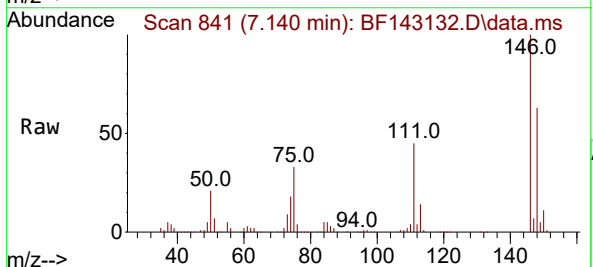
Tgt Ion:146 Resp: 418979

Ion Ratio Lower Upper

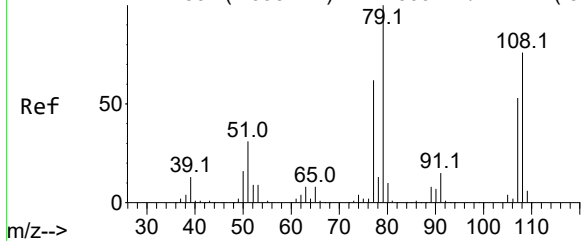
146 100

148 63.5 49.8 74.6

111 45.0 35.4 53.0



Abundance Scan 834 (7.098 min): BF143097.D\data.ms (-82



#15

Benzyl Alcohol

Concen: 41.845 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

Tgt Ion: 79 Resp: 381475

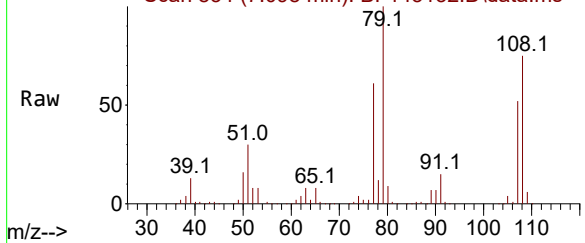
Ion Ratio Lower Upper

79 100

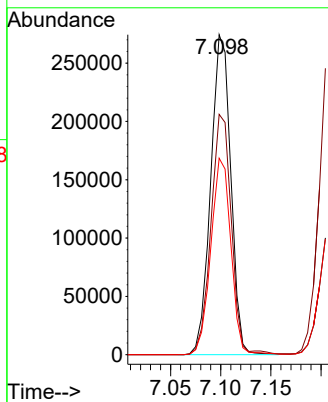
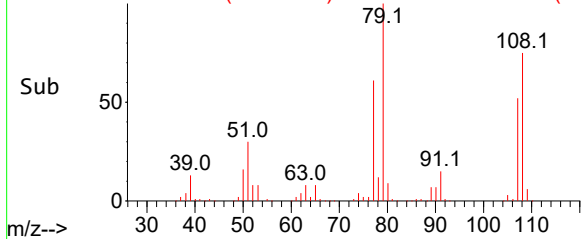
108 75.1 61.1 91.7

77 61.4 49.9 74.9

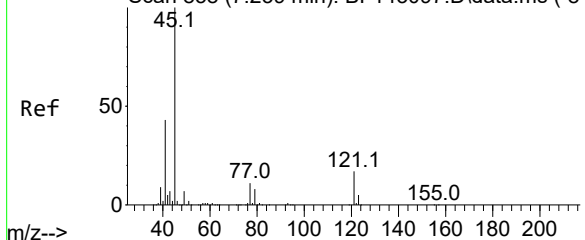
Abundance Scan 834 (7.098 min): BF143132.D\data.ms



Abundance Scan 834 (7.098 min): BF143132.D\data.ms (-78



Abundance Scan 858 (7.239 min): BF143097.D\data.ms (-84



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.744 ng

RT: 7.240 min Scan# 858

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Tgt Ion: 45 Resp: 736414

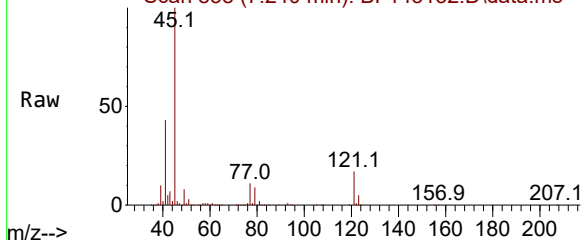
Ion Ratio Lower Upper

45 100

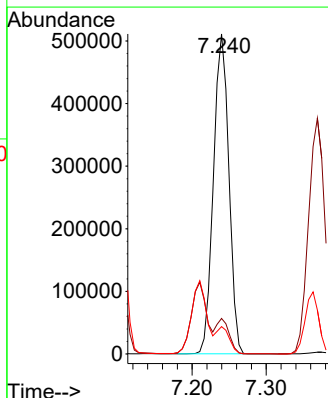
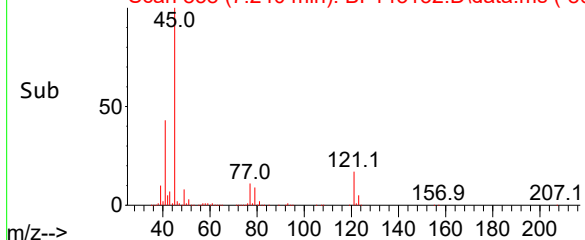
77 11.1 0.0 31.1

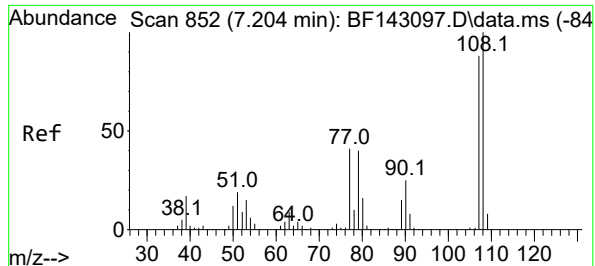
79 8.6 0.0 28.4

Abundance Scan 858 (7.240 min): BF143132.D\data.ms



Abundance Scan 858 (7.240 min): BF143132.D\data.ms (-80

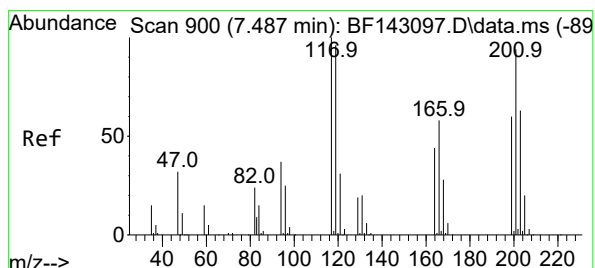
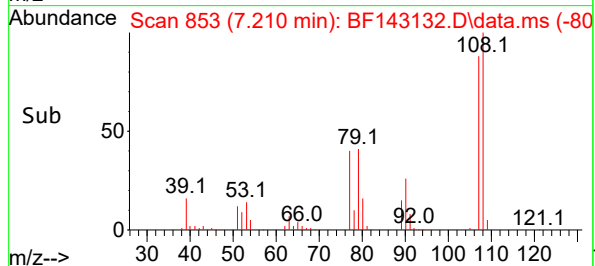
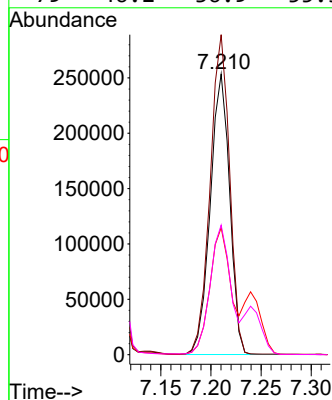
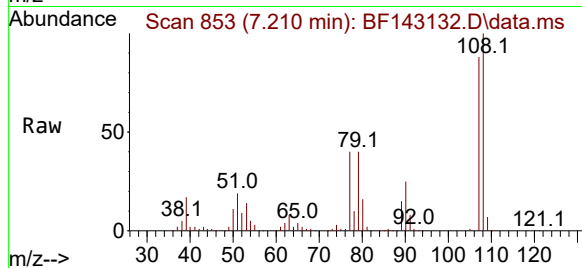




#17
2-Methylphenol
Concen: 40.217 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

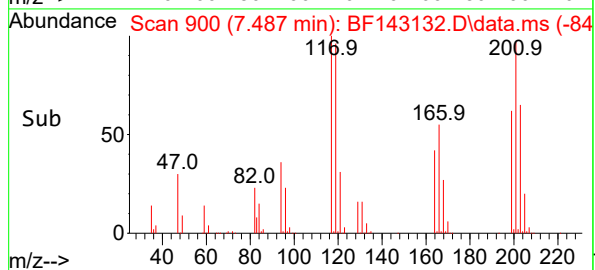
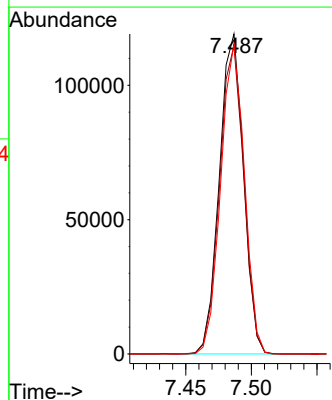
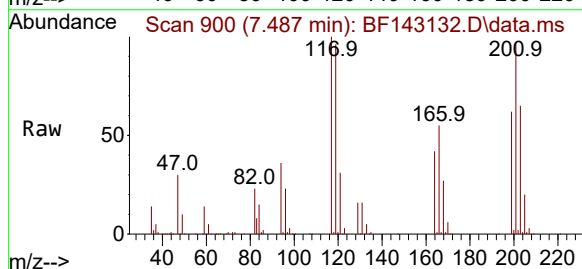
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

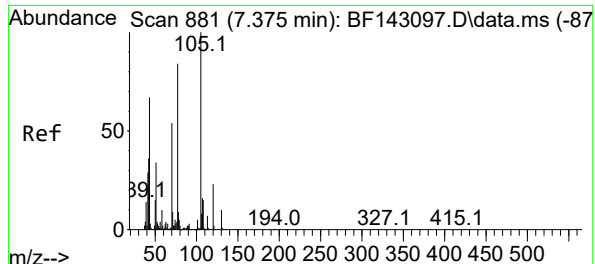
Tgt Ion:107 Resp: 341298
Ion Ratio Lower Upper
107 100
108 114.0 90.9 136.3
77 45.2 37.5 56.3
79 46.2 36.9 55.3



#18
Hexachloroethane
Concen: 42.022 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:117 Resp: 152901
Ion Ratio Lower Upper
117 100
119 96.4 76.7 115.1
201 96.9 75.0 112.4





#19

n-Nitroso-di-n-propylamine

Concen: 39.267 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

Tgt Ion: 70 Resp: 295976

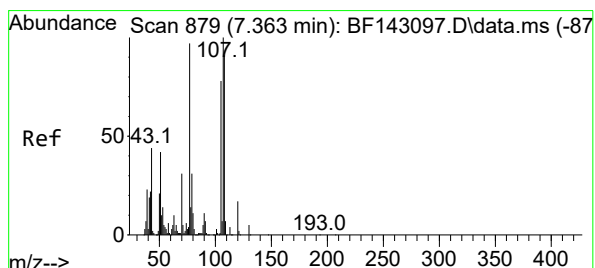
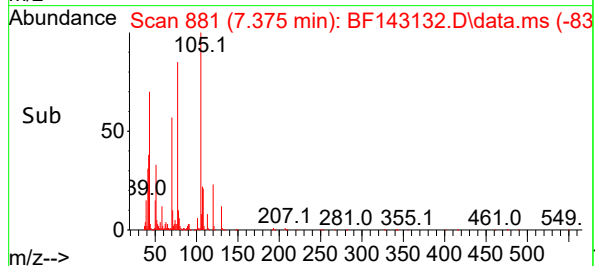
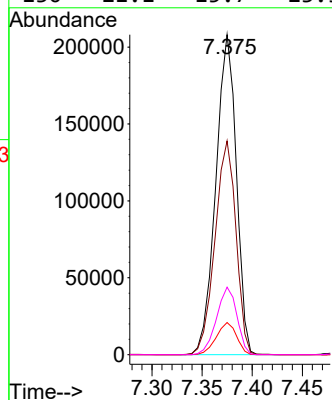
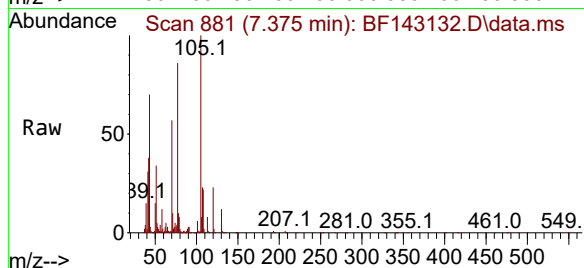
Ion Ratio Lower Upper

70 100

42 66.8 53.2 79.8

101 10.0 7.5 11.3

130 21.1 15.7 23.5



#20

3+4-Methylphenols

Concen: 39.943 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Tgt Ion: 107 Resp: 415708

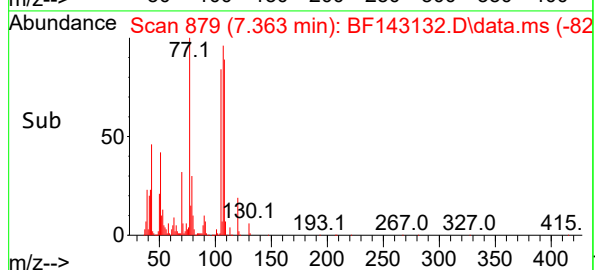
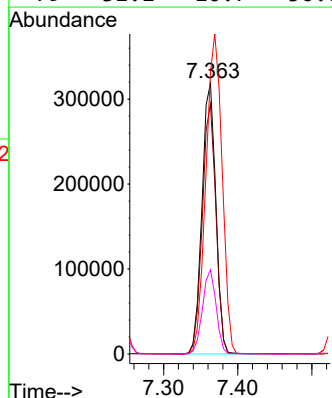
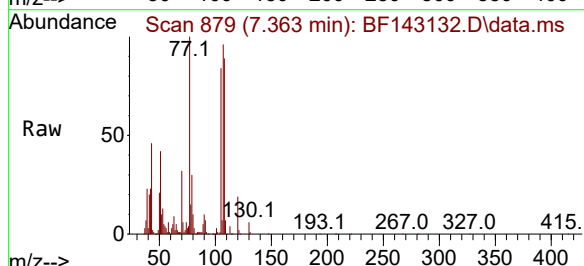
Ion Ratio Lower Upper

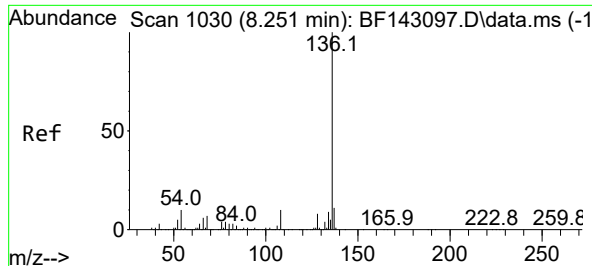
107 100

108 92.3 71.3 111.3

77 103.9 77.2 117.2

79 31.1 10.7 50.7

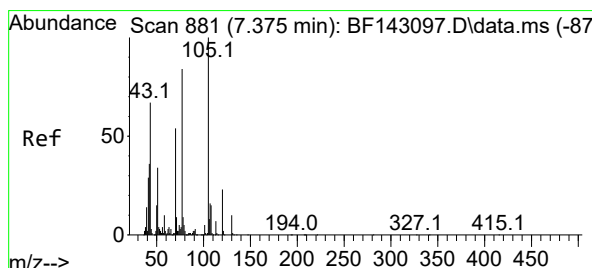
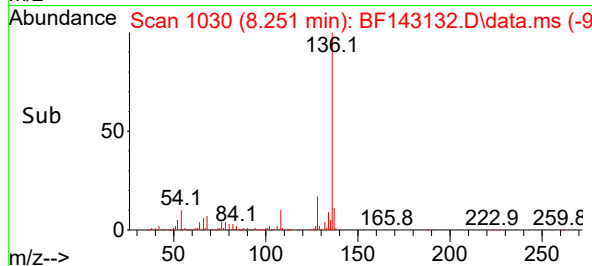
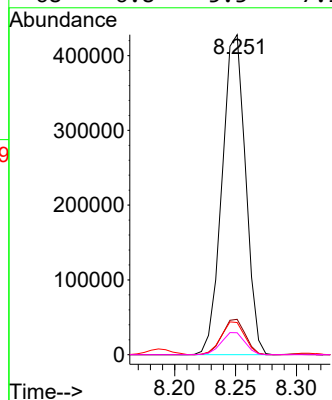
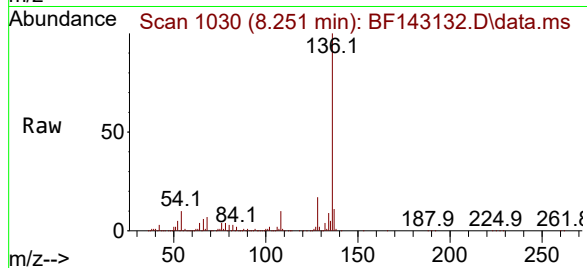




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

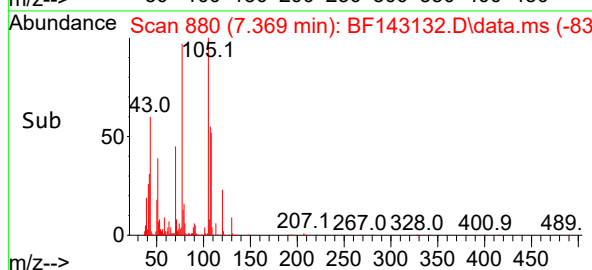
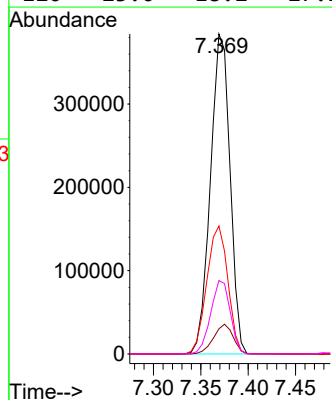
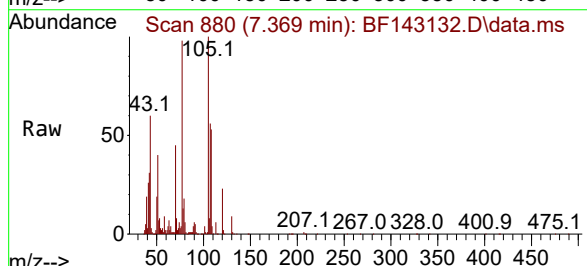
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

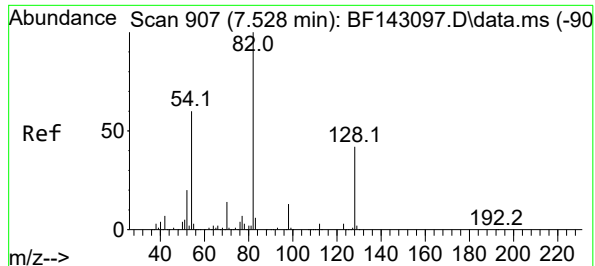
Tgt Ion:	136	Resp:	573690
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	10.1	8.3	12.5
68	6.8	5.3	7.9



#22
Acetophenone
Concen: 39.979 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:	105	Resp:	552881
Ion Ratio	Lower	Upper	
105	100		
71	7.8	7.2	10.8
51	40.0	27.0	40.4
120	23.0	18.2	27.2





#23

Nitrobenzene-d5

Concen: 65.432 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

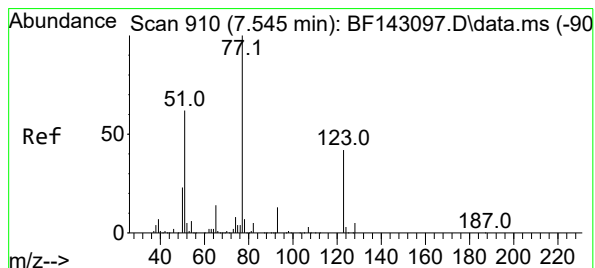
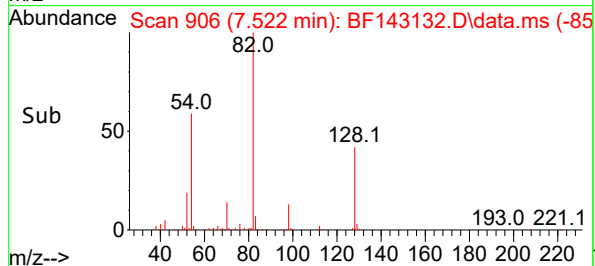
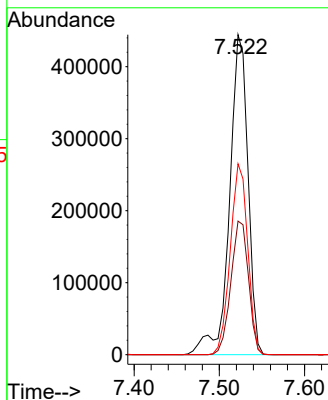
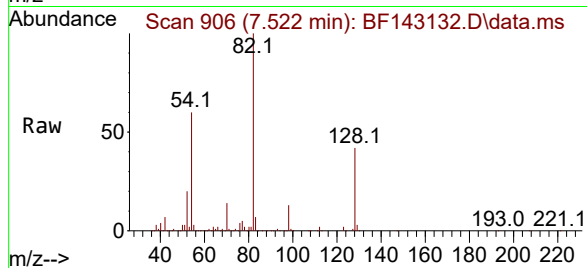
Tgt Ion: 82 Resp: 669140

Ion Ratio Lower Upper

82 100

128 41.8 33.3 49.9

54 59.6 47.4 71.2



#24

Nitrobenzene

Concen: 45.189 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

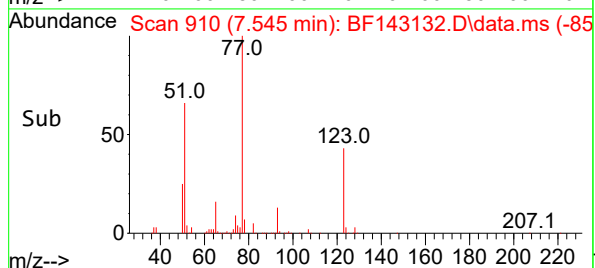
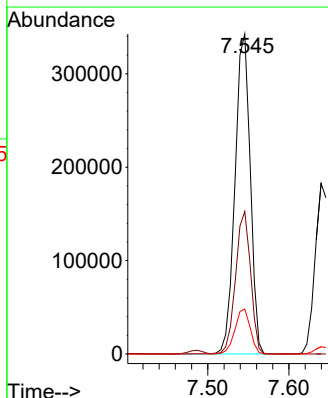
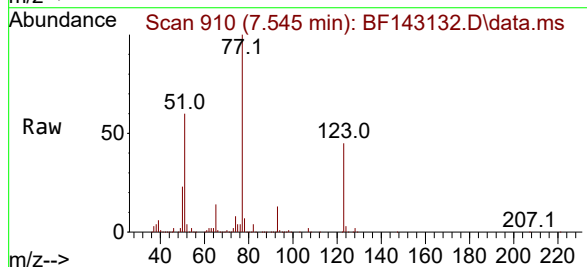
Tgt Ion: 77 Resp: 446124

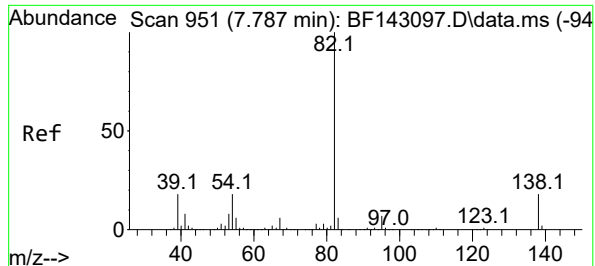
Ion Ratio Lower Upper

77 100

123 44.5 34.5 51.7

65 14.1 11.3 16.9





#25

Isophorone

Concen: 41.377 ng

RT: 7.781 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

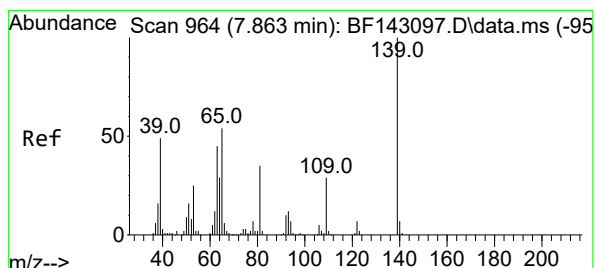
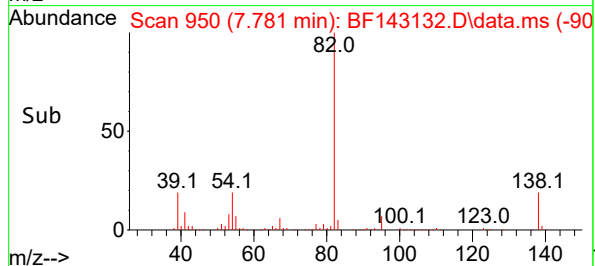
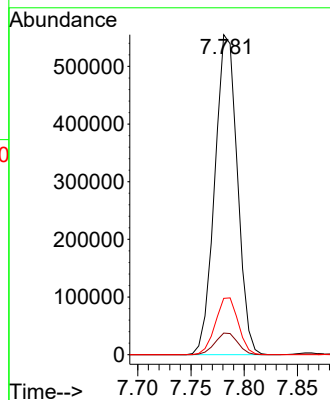
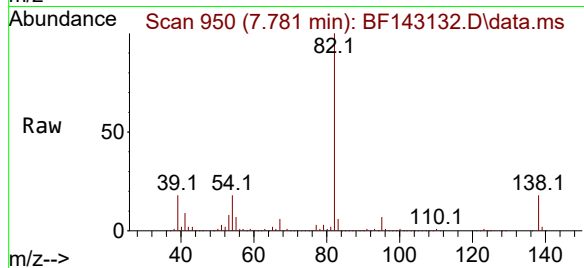
Tgt Ion: 82 Resp: 817872

Ion Ratio Lower Upper

82 100

95 6.7 5.6 8.4

138 17.6 14.3 21.5



#26

2-Nitrophenol

Concen: 45.858 ng

RT: 7.863 min Scan# 964

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

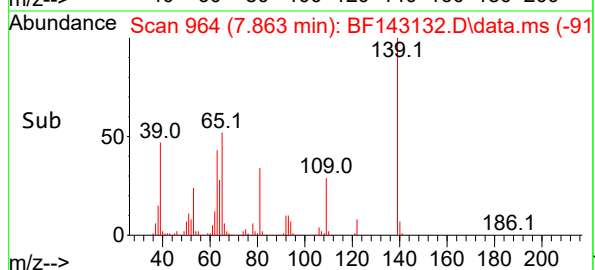
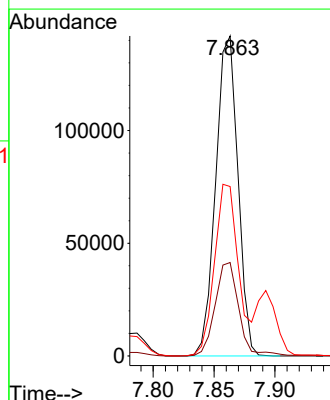
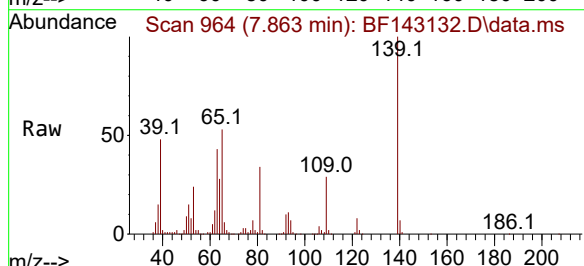
Tgt Ion:139 Resp: 180165

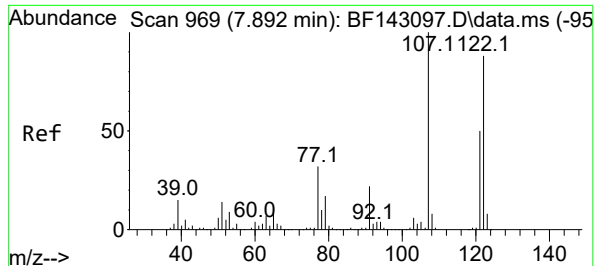
Ion Ratio Lower Upper

139 100

109 29.2 23.4 35.0

65 52.9 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 41.536 ng

RT: 7.893 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

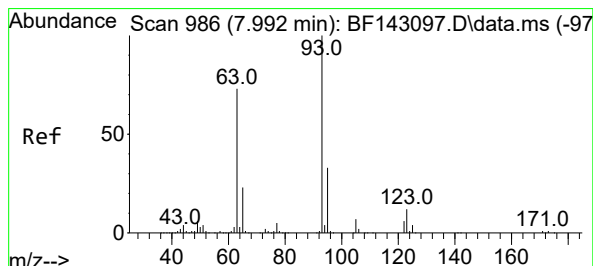
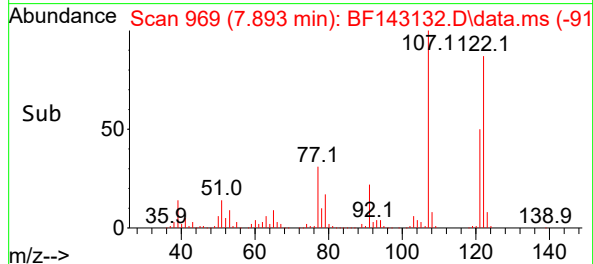
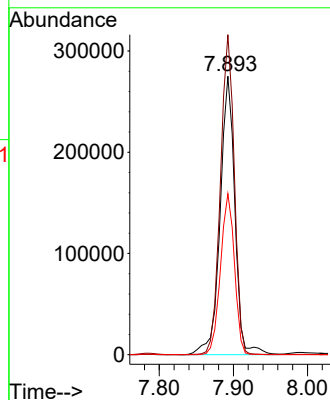
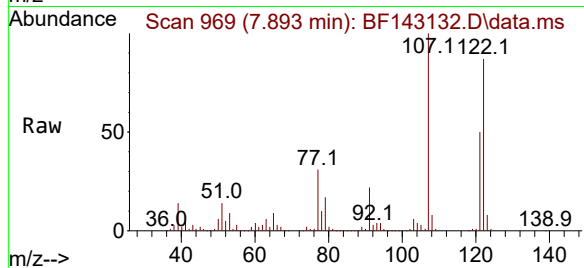
Tgt Ion:122 Resp: 381063

Ion Ratio Lower Upper

122 100

107 114.9 91.3 136.9

121 57.8 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 41.068 ng

RT: 7.993 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

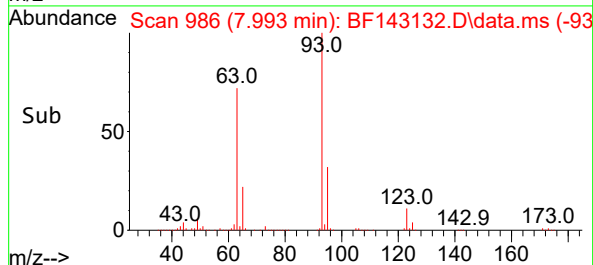
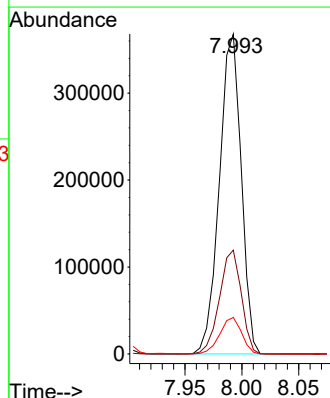
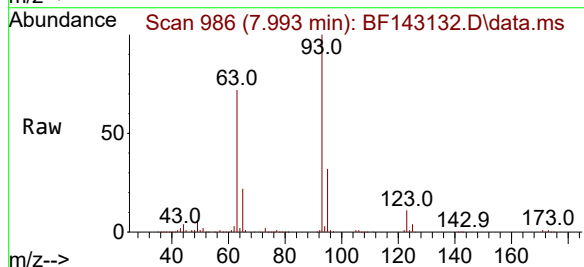
Tgt Ion: 93 Resp: 492251

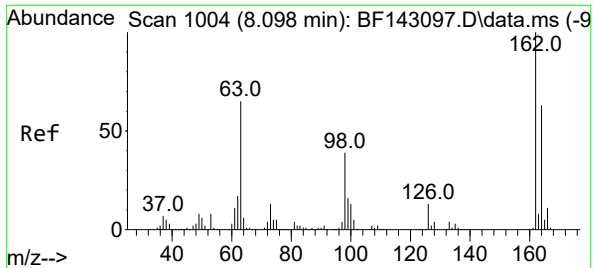
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.4

123 11.4 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 42.246 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

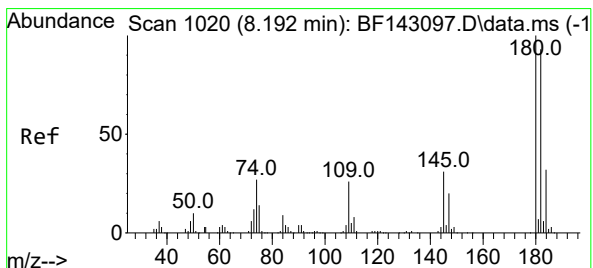
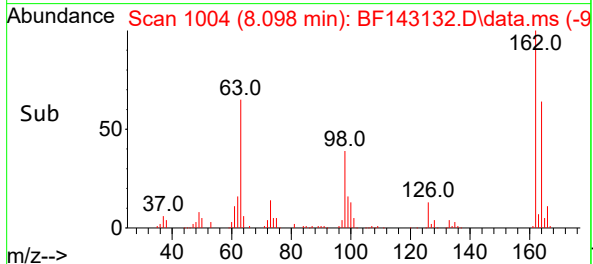
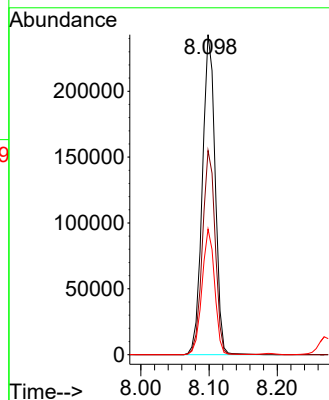
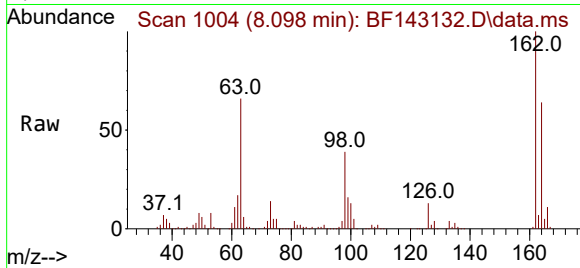
Tgt Ion:162 Resp: 317079

Ion Ratio Lower Upper

162 100

164 63.8 43.1 83.1

98 39.2 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 40.867 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

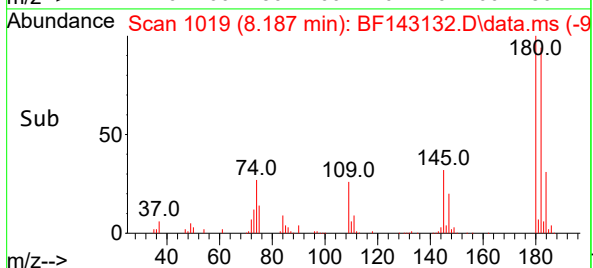
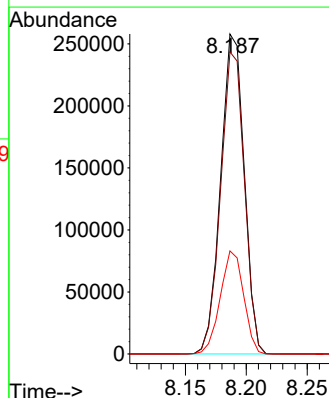
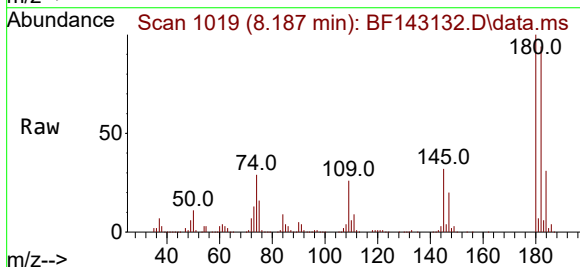
Tgt Ion:180 Resp: 348097

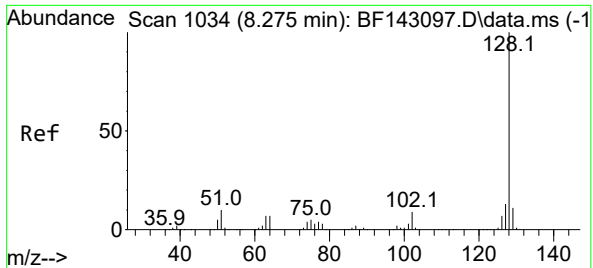
Ion Ratio Lower Upper

180 100

182 94.4 74.7 112.1

145 32.2 24.5 36.7





#31

Naphthalene

Concen: 40.233 ng

RT: 8.269 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

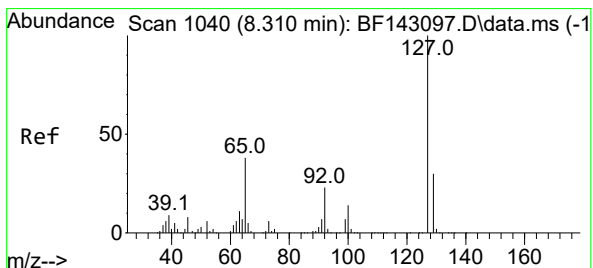
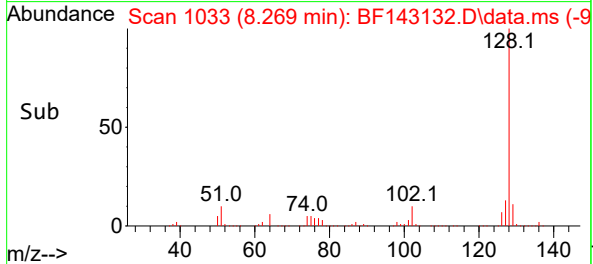
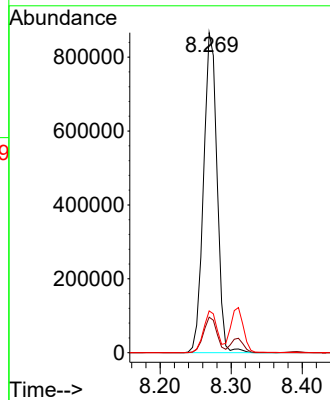
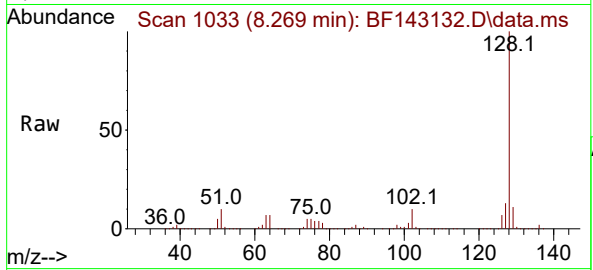
Tgt Ion:128 Resp: 1146191

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.1 10.5 15.7



#33

4-Chloroaniline

Concen: 13.900 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Tgt Ion:127 Resp: 159239

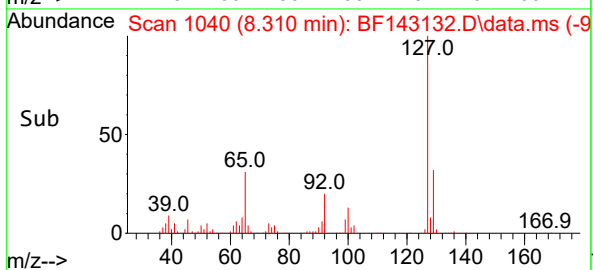
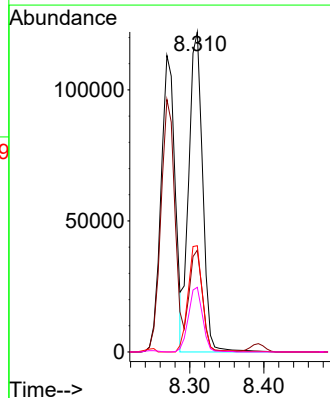
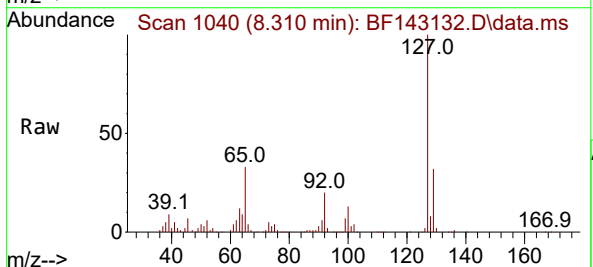
Ion Ratio Lower Upper

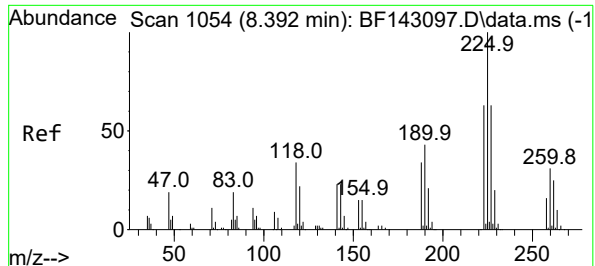
127 100

129 31.8 26.2 39.4

65 33.2 28.6 42.8

92 20.2 17.1 25.7





#34

Hexachlorobutadiene

Concen: 41.692 ng

RT: 8.392 min Scan# 1054

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

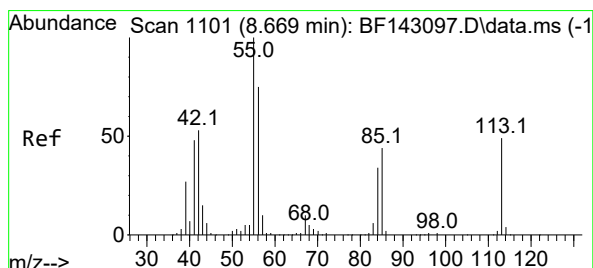
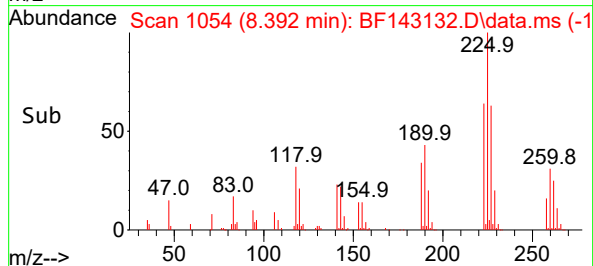
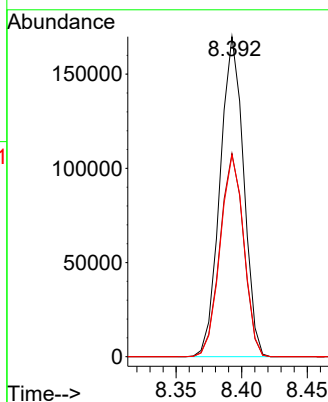
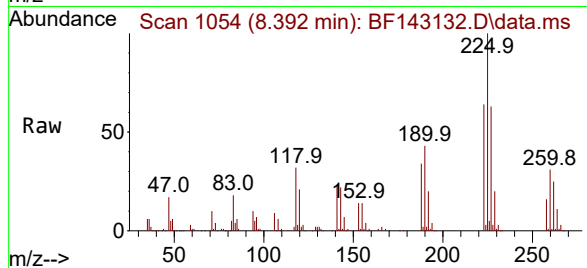
Tgt Ion:225 Resp: 212383

Ion Ratio Lower Upper

225 100

223 63.5 50.3 75.5

227 63.0 50.1 75.1



#35

Caprolactam

Concen: 39.630 ng

RT: 8.663 min Scan# 1100

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

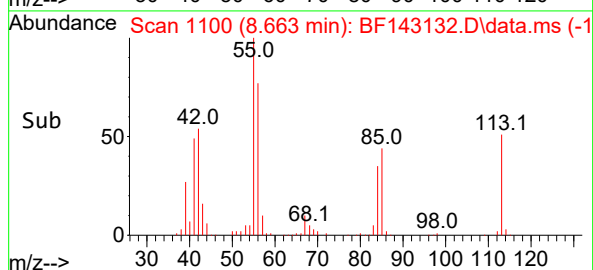
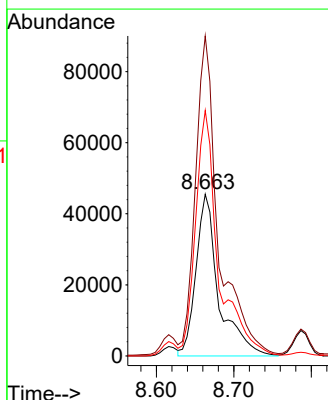
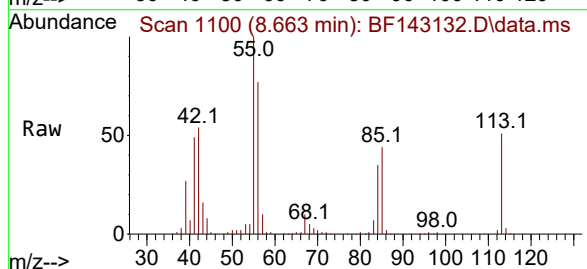
Tgt Ion:113 Resp: 92881

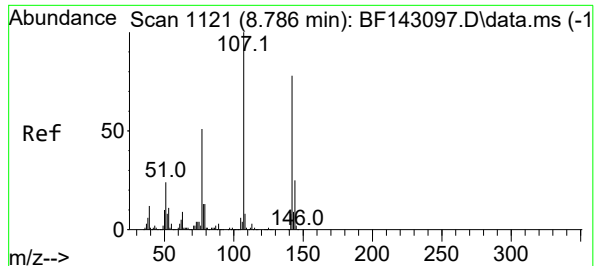
Ion Ratio Lower Upper

113 100

55 197.8 186.2 226.2

56 151.8 134.1 174.1





#36

4-Chloro-3-methylphenol

Concen: 41.626 ng

RT: 8.787 min Scan# 1121

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

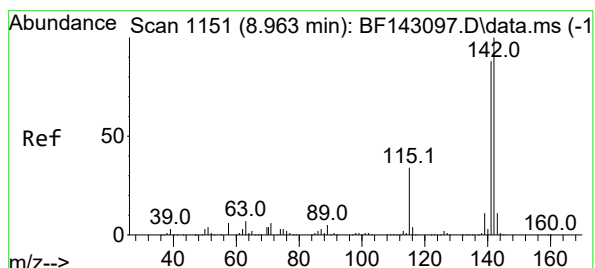
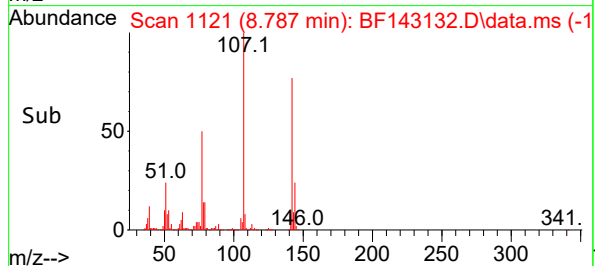
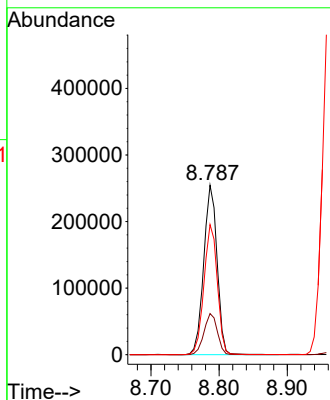
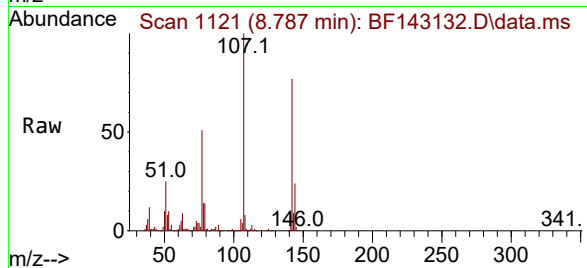
BNA_F

ClientSampleId :

TP-17MSD

Tgt Ion:107 Resp: 348019

Ion	Ratio	Lower	Upper
107	100		
144	24.3	20.2	30.2
142	76.7	62.4	93.6



#37

2-Methylnaphthalene

Concen: 40.043 ng

RT: 8.963 min Scan# 1151

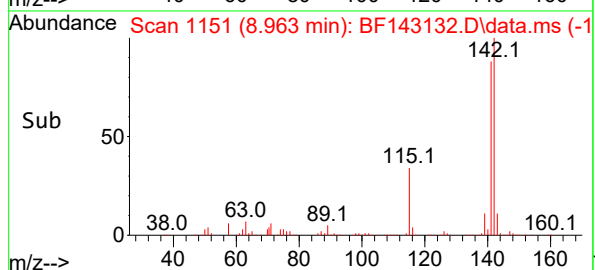
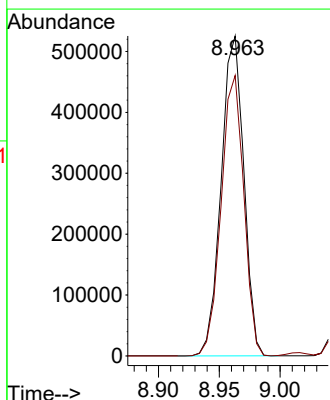
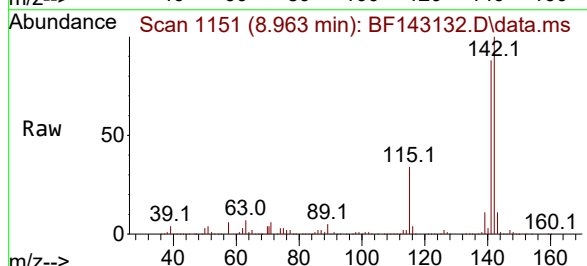
Delta R.T. 0.000 min

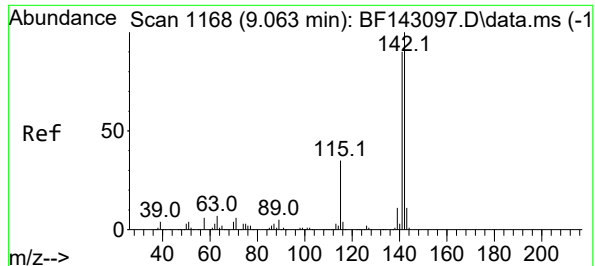
Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Tgt Ion:142 Resp: 680541

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.2	105.2





#38

1-Methylnaphthalene

Concen: 40.264 ng

RT: 9.063 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

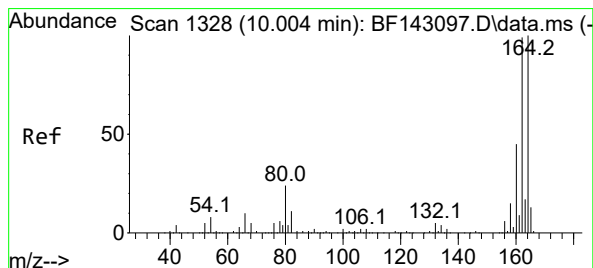
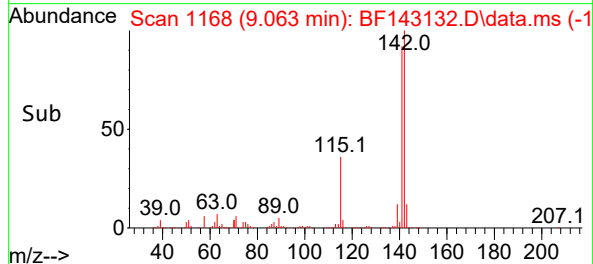
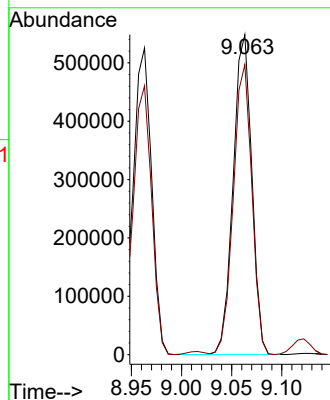
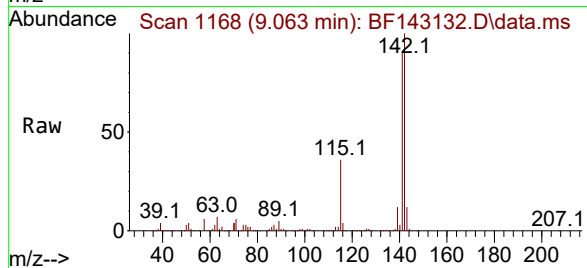
TP-17MSD

Tgt Ion:142 Resp: 709748

Ion Ratio Lower Upper

142 100

141 90.7 72.2 108.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

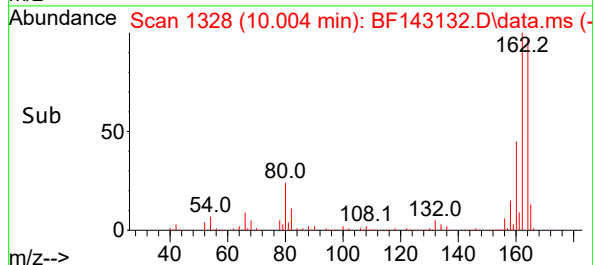
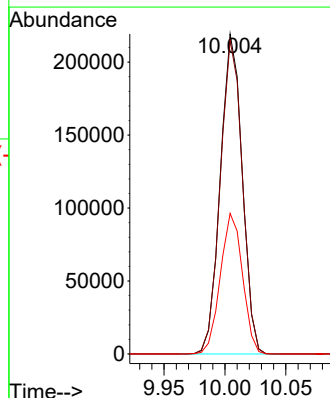
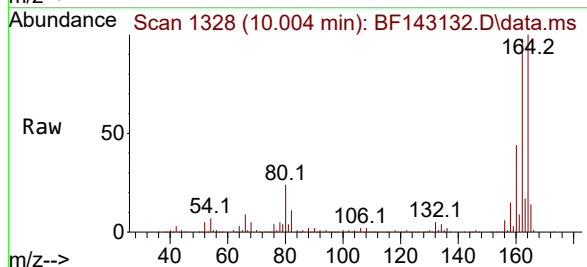
Tgt Ion:164 Resp: 274130

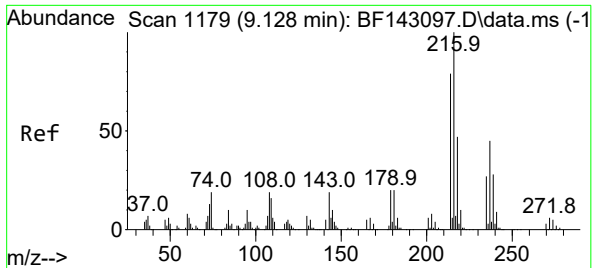
Ion Ratio Lower Upper

164 100

162 98.0 79.0 118.6

160 43.9 35.8 53.6





#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.667 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

Tgt Ion:216 Resp: 332868

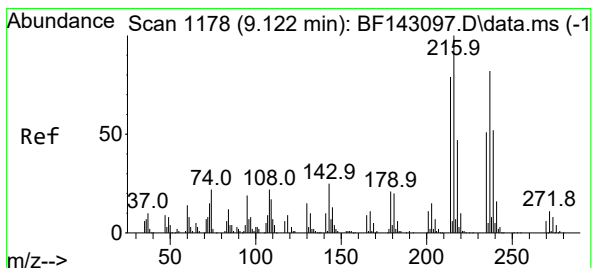
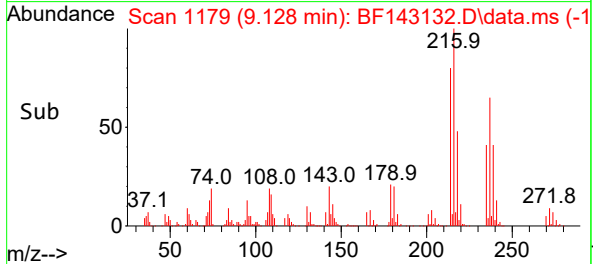
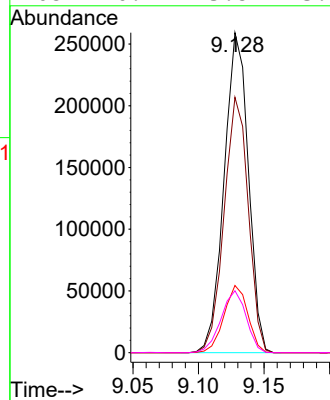
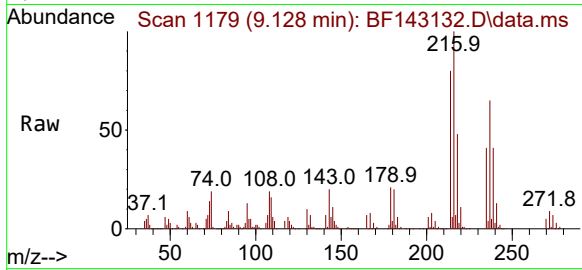
Ion Ratio Lower Upper

216 100

214 79.4 62.6 94.0

179 20.7 16.2 24.2

108 20.2 15.8 23.6



#41

Hexachlorocyclopentadiene

Concen: 64.416 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

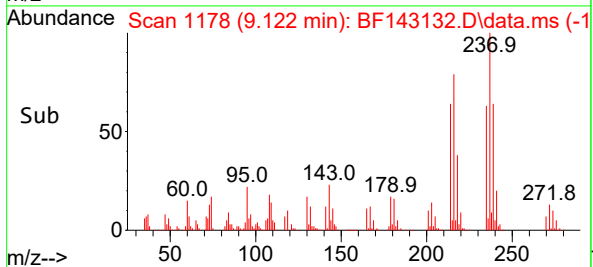
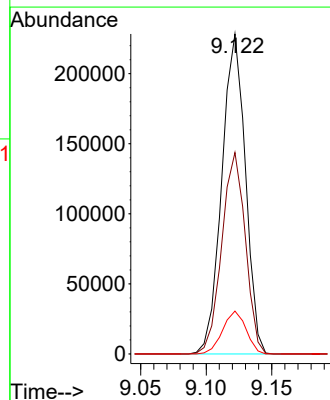
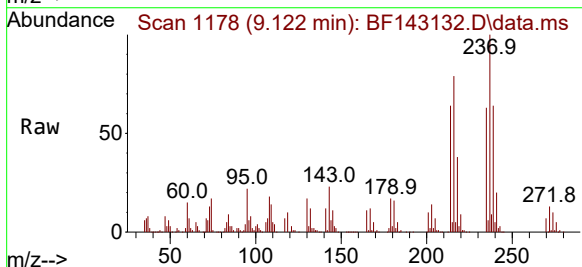
Tgt Ion:237 Resp: 285312

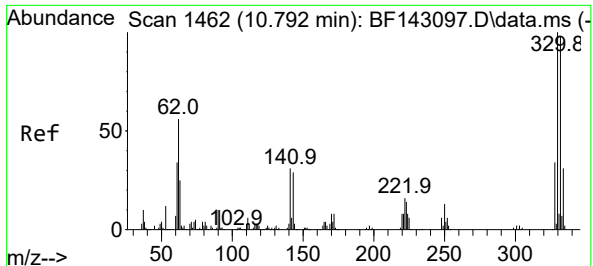
Ion Ratio Lower Upper

237 100

235 62.9 41.6 81.6

272 13.4 0.0 32.9





#42

2,4,6-Tribromophenol

Concen: 81.226 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

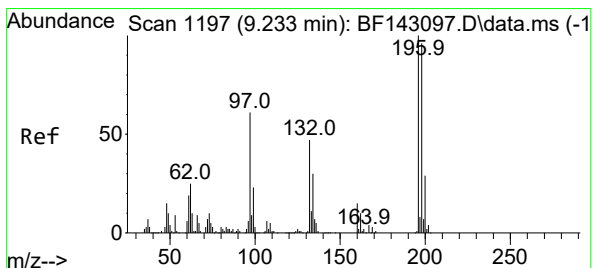
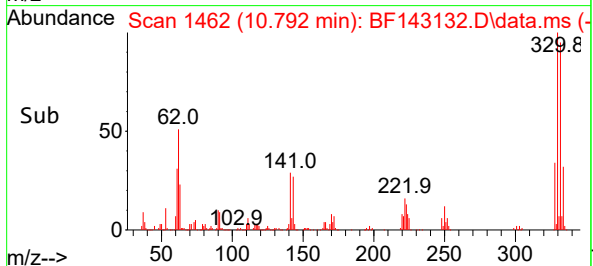
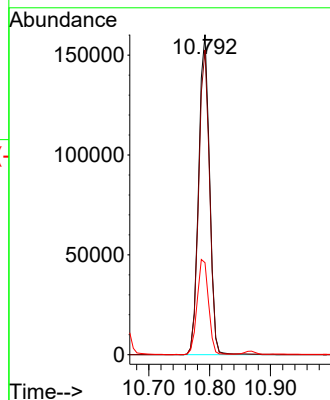
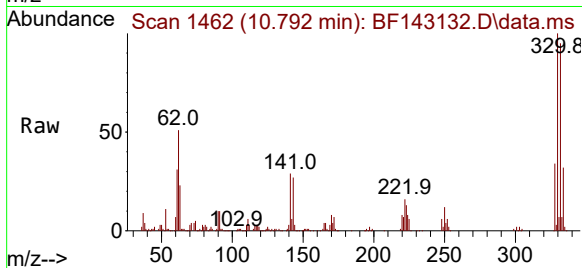
Tgt Ion:330 Resp: 198539

Ion Ratio Lower Upper

330 100

332 95.1 77.9 116.9

141 31.1 25.9 38.9



#43

2,4,6-Trichlorophenol

Concen: 40.479 ng

RT: 9.234 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

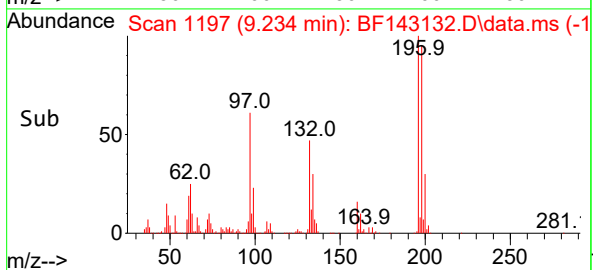
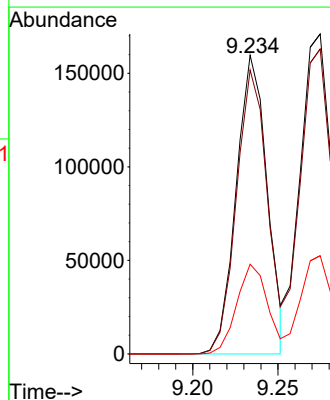
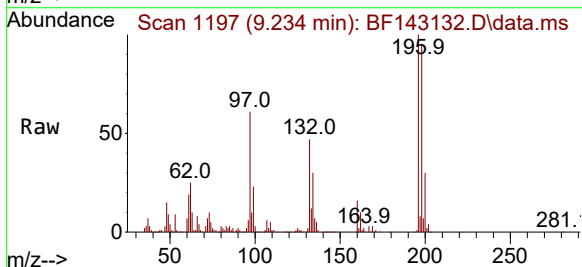
Tgt Ion:196 Resp: 200935

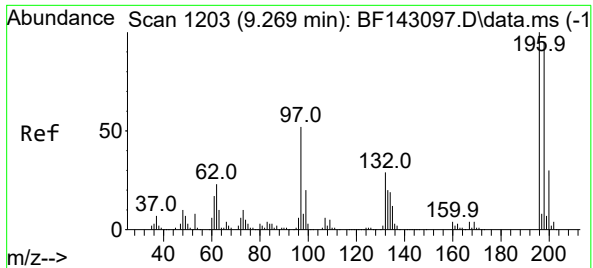
Ion Ratio Lower Upper

196 100

198 95.1 76.9 115.3

200 30.1 23.5 35.3





#44

2,4,5-Trichlorophenol

Concen: 42.469 ng

RT: 9.275 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143132.D

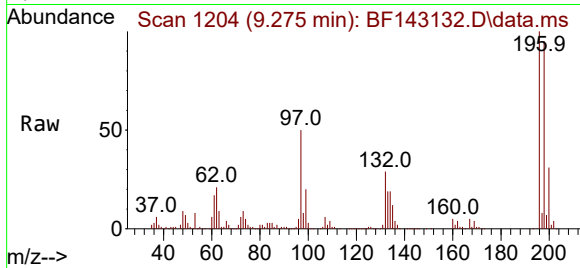
Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD



Tgt Ion:196 Resp: 221043

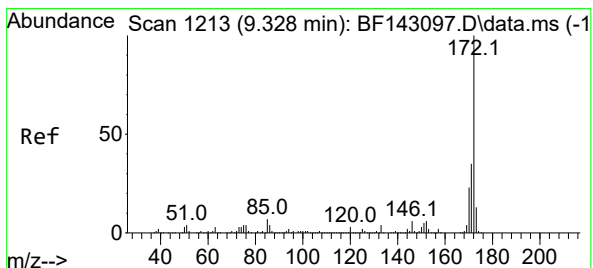
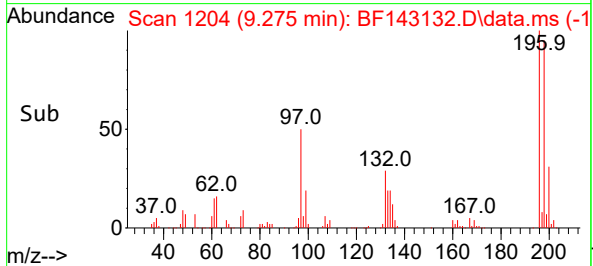
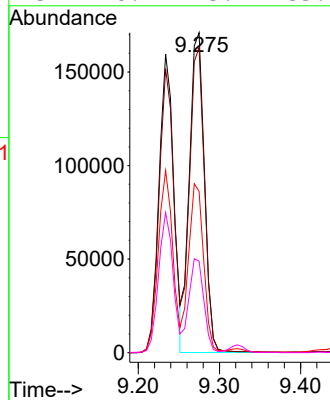
Ion Ratio Lower Upper

196 100

198 95.3 76.4 114.6

97 50.4 42.4 63.6

132 28.7 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 53.645 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

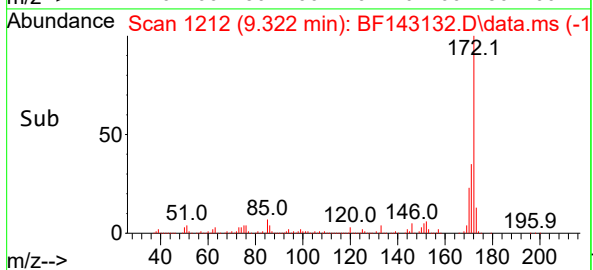
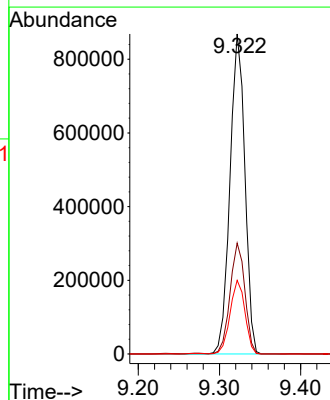
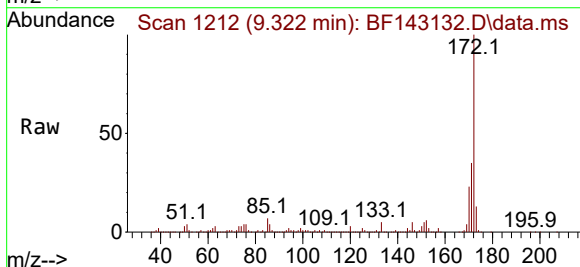
Tgt Ion:172 Resp: 1106288

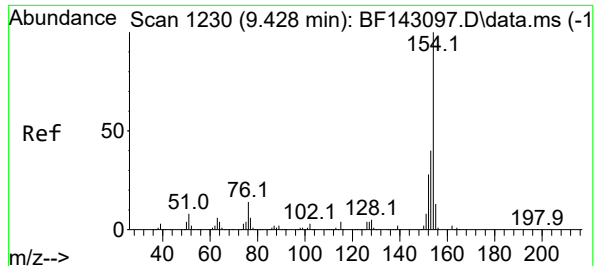
Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.4

170 23.0 18.6 28.0





#46

1,1'-Biphenyl

Concen: 41.515 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

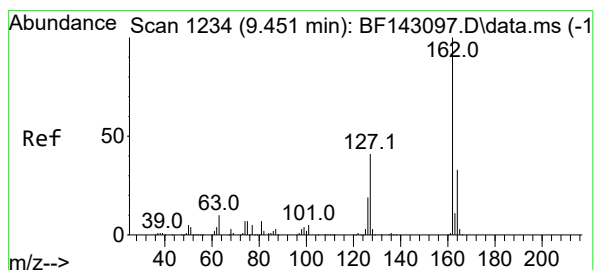
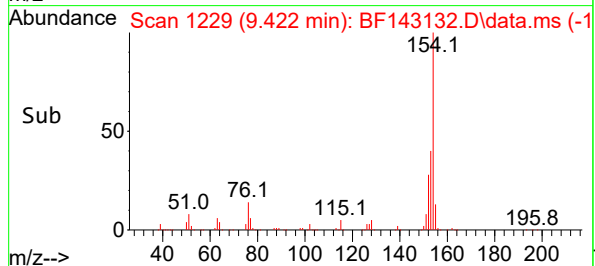
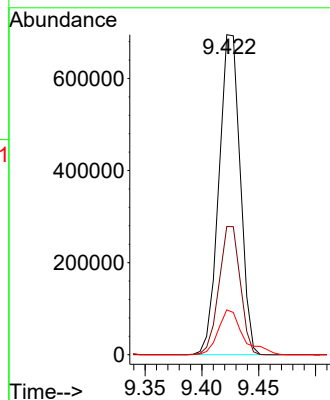
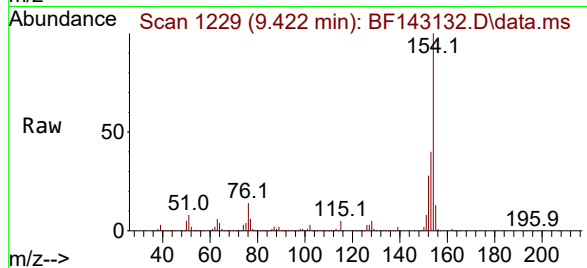
Tgt Ion:154 Resp: 907562

Ion Ratio Lower Upper

154 100

153 40.0 20.1 60.1

76 14.0 0.0 33.7



#47

2-Chloronaphthalene

Concen: 41.046 ng

RT: 9.451 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

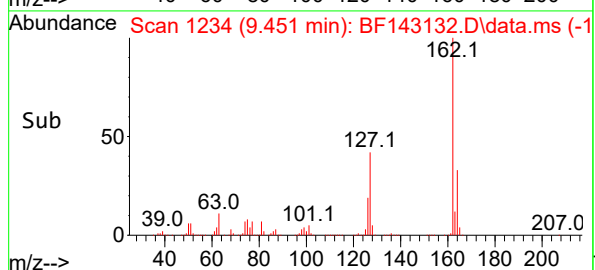
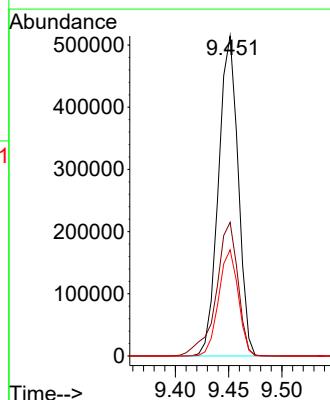
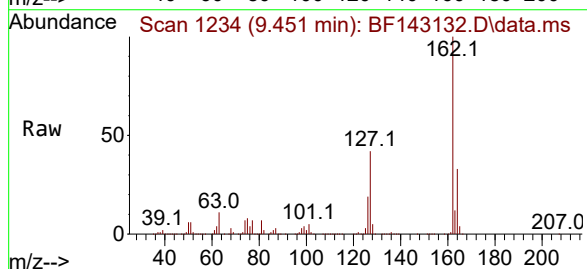
Tgt Ion:162 Resp: 659194

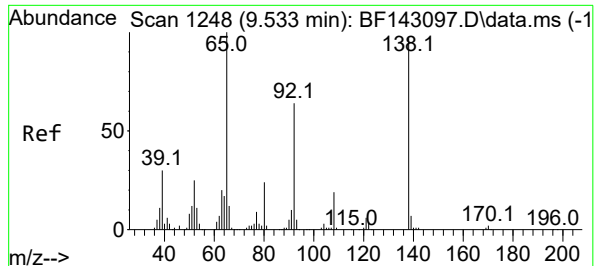
Ion Ratio Lower Upper

162 100

127 41.8 33.0 49.6

164 33.2 26.1 39.1





#48

2-Nitroaniline

Concen: 45.695 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.001 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

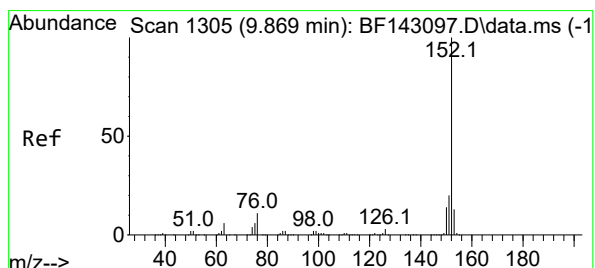
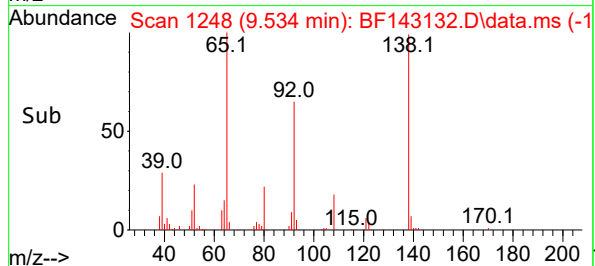
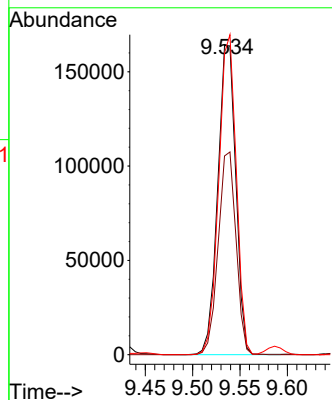
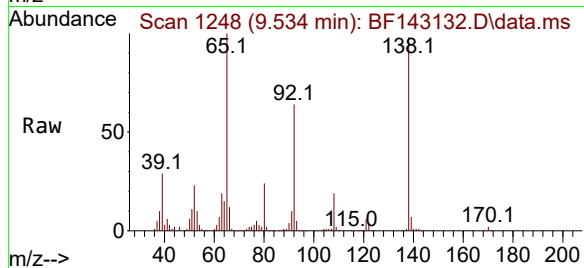
Tgt Ion: 65 Resp: 218325

Ion Ratio Lower Upper

65 100

92 64.3 51.3 76.9

138 97.5 77.8 116.6



#49

Acenaphthylene

Concen: 41.125 ng

RT: 9.869 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

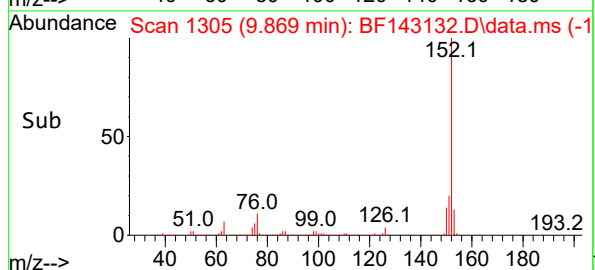
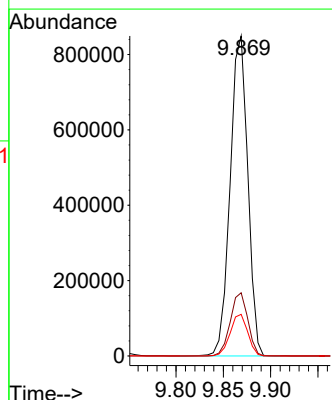
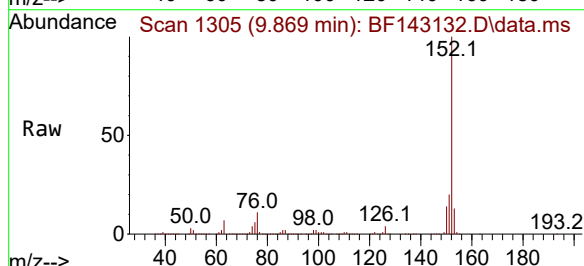
Tgt Ion: 152 Resp: 1100552

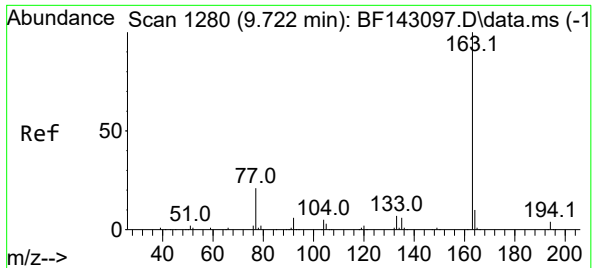
Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

153 13.0 10.4 15.6





#50

Dimethylphthalate

Concen: 43.770 ng

RT: 9.722 min Scan# 1280

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

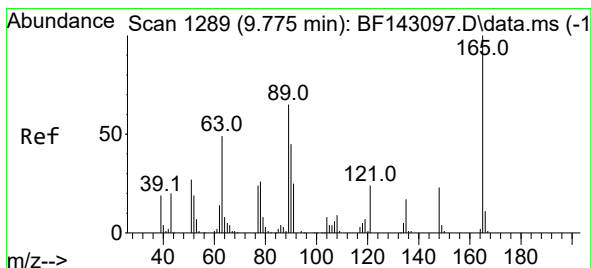
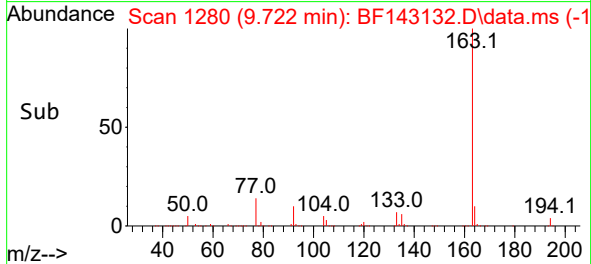
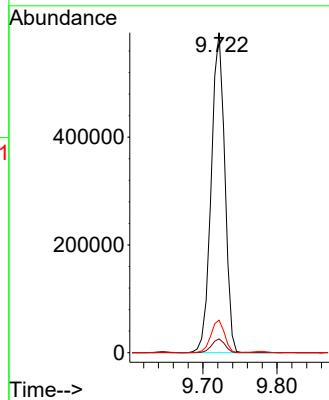
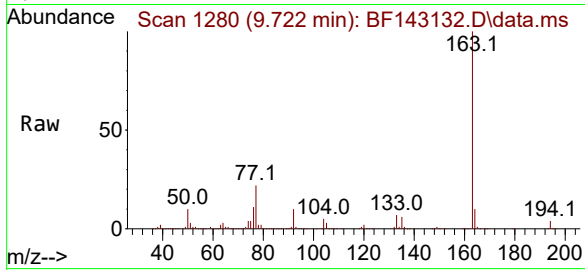
Tgt Ion:163 Resp: 754861

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.1 8.2 12.2



#51

2,6-Dinitrotoluene

Concen: 45.711 ng

RT: 9.781 min Scan# 1290

Delta R.T. 0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

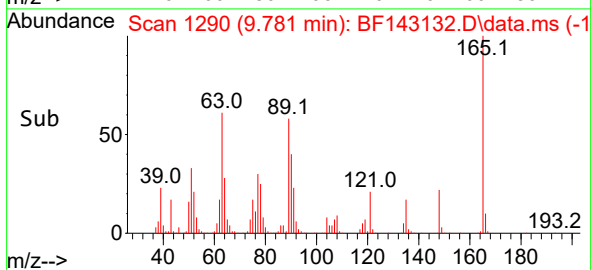
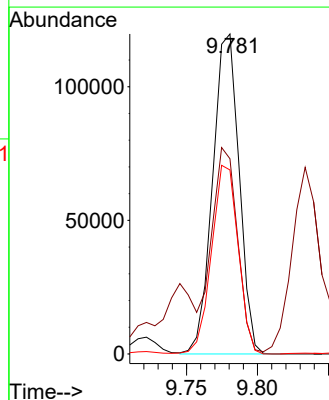
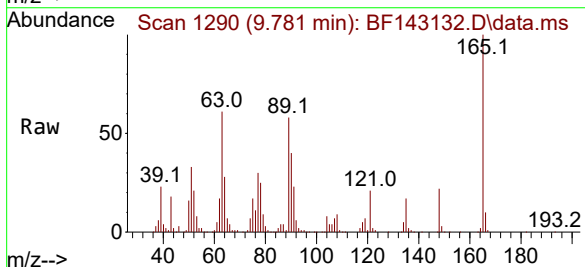
Tgt Ion:165 Resp: 155290

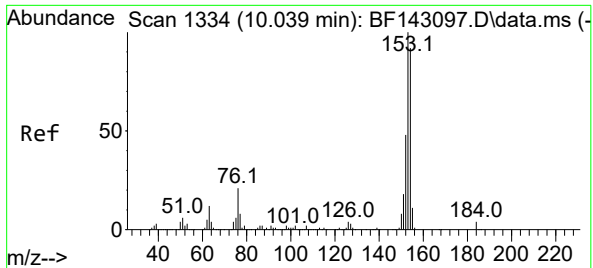
Ion Ratio Lower Upper

165 100

63 61.0 57.4 86.0

89 57.5 51.8 77.8

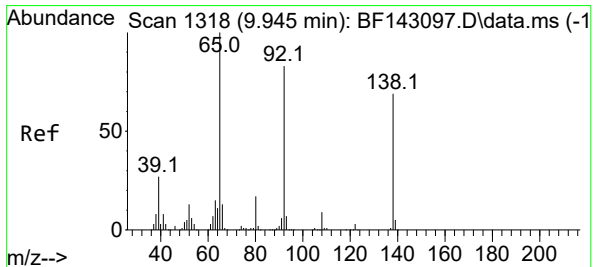
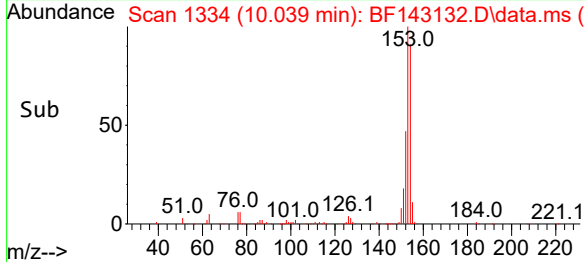
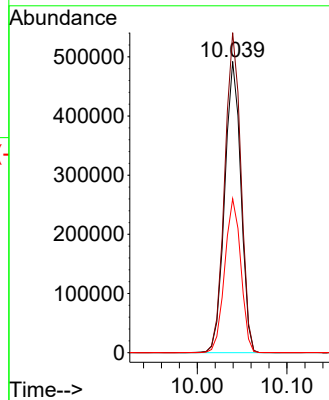
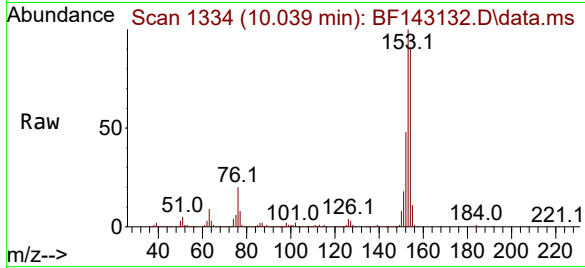




#52
Acenaphthene
Concen: 39.050 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

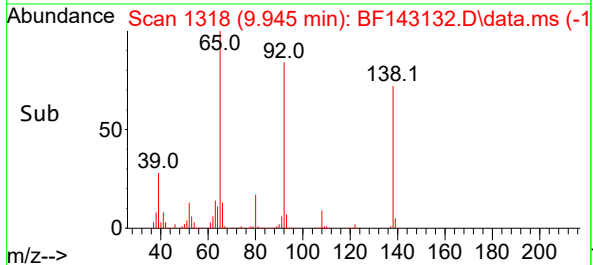
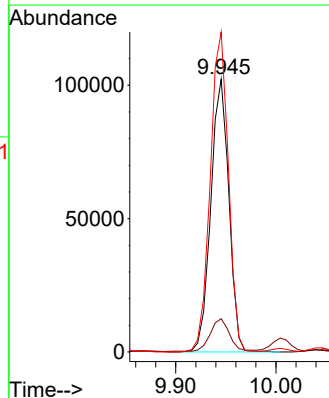
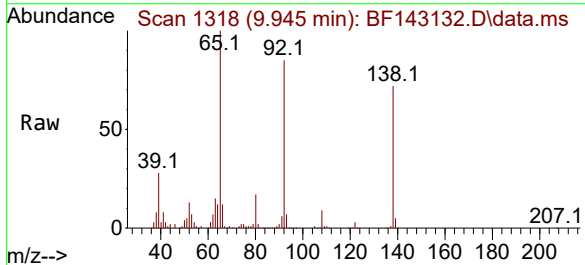
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

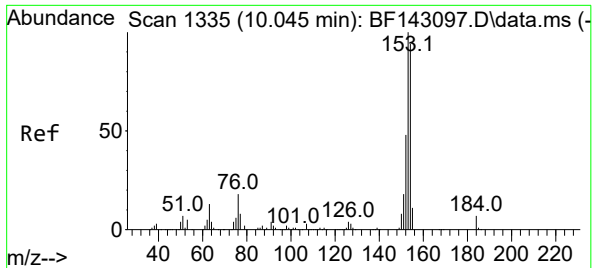
Tgt Ion:154 Resp: 616683
Ion Ratio Lower Upper
154 100
153 109.9 86.7 130.1
152 52.9 41.4 62.2



#53
3-Nitroaniline
Concen: 34.355 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:138 Resp: 128024
Ion Ratio Lower Upper
138 100
108 12.2 10.1 15.1
92 117.3 96.4 144.6

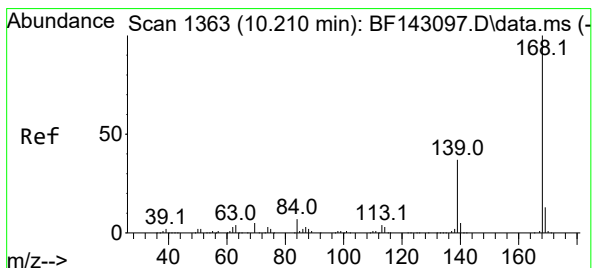
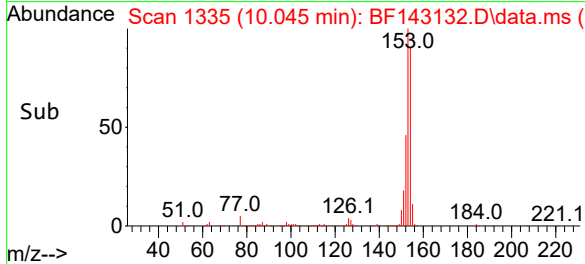
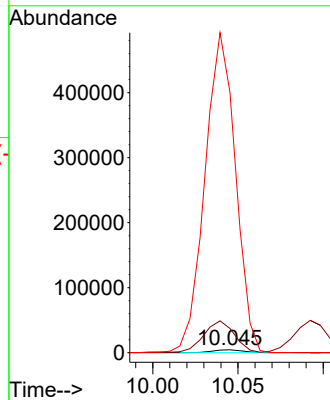
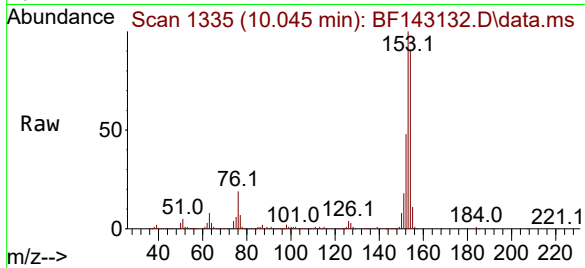




#54
2,4-Dinitrophenol
Concen: 10.510 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

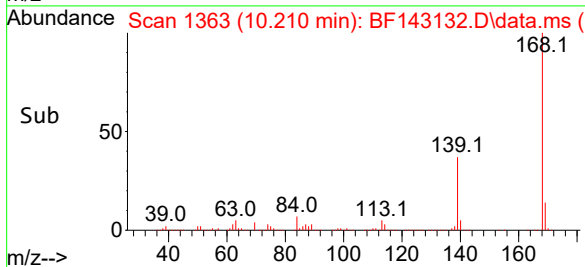
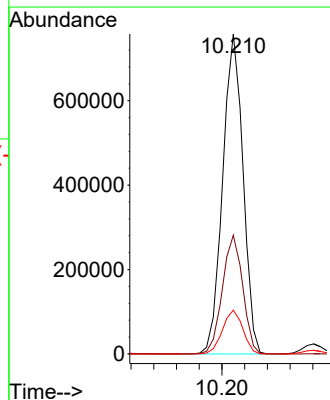
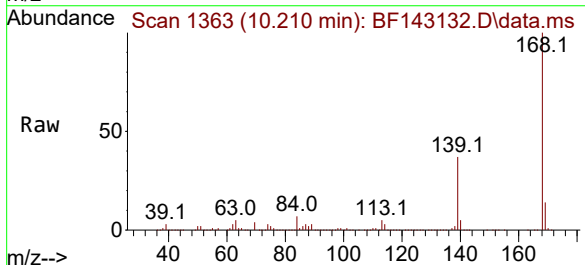
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

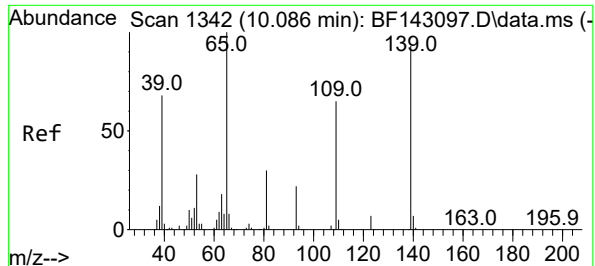
Tgt Ion:184 Resp: 5497
Ion Ratio Lower Upper
184 100
63 840.0 149.3 223.9#
154 9019.7 1048.0 1572.0#



#55
Dibenzofuran
Concen: 40.038 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:168 Resp: 942444
Ion Ratio Lower Upper
168 100
139 37.1 29.8 44.6
169 13.7 10.8 16.2





#56

4-Nitrophenol

Concen: 71.046 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

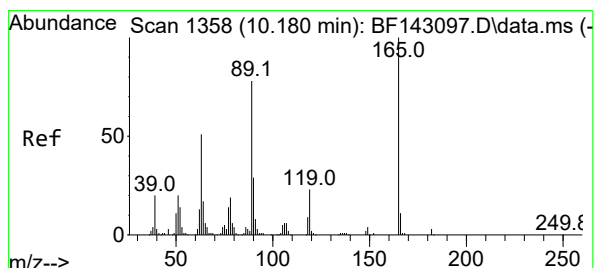
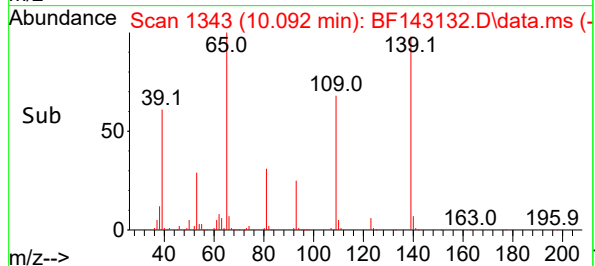
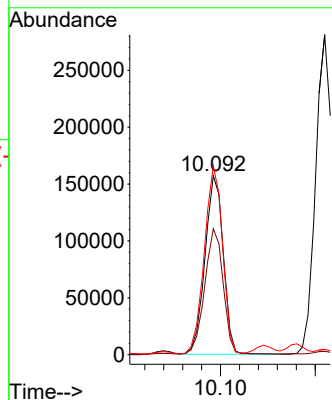
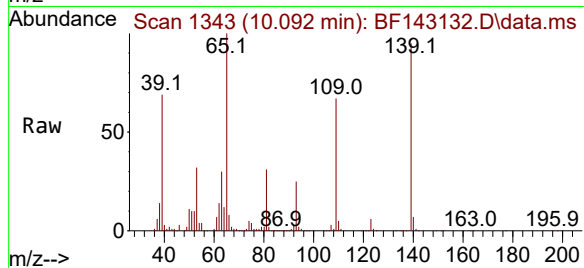
Tgt Ion:139 Resp: 210415

Ion Ratio Lower Upper

139 100

109 70.3 49.4 89.4

65 105.5 88.2 128.2



#57

2,4-Dinitrotoluene

Concen: 44.997 ng

RT: 10.181 min Scan# 1358

Delta R.T. 0.001 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Tgt Ion:165 Resp: 190519

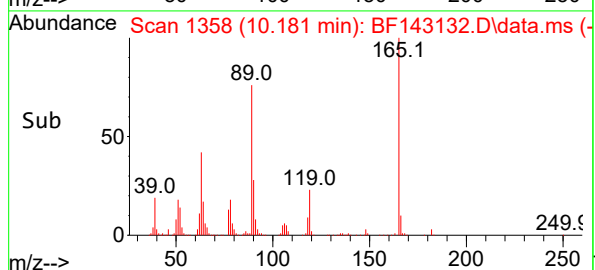
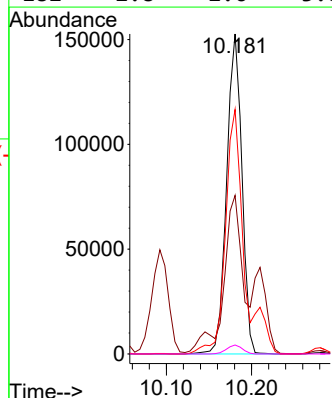
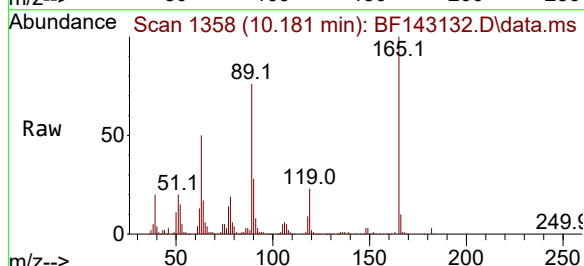
Ion Ratio Lower Upper

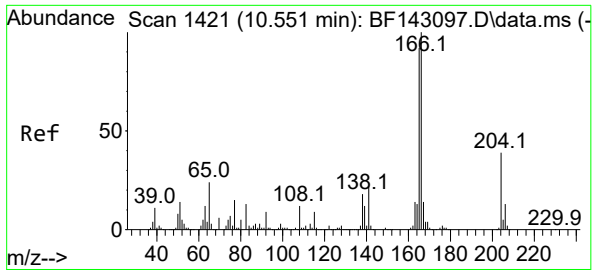
165 100

63 49.5 40.6 61.0

89 76.4 62.3 93.5

182 2.8 2.6 3.8

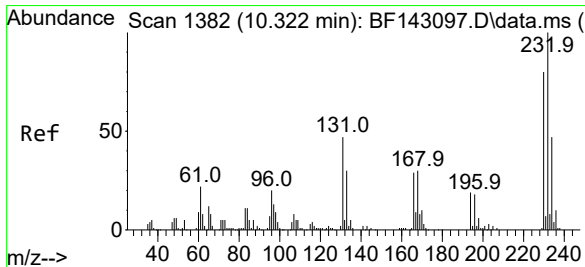
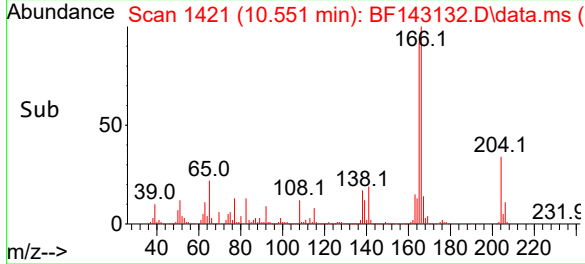
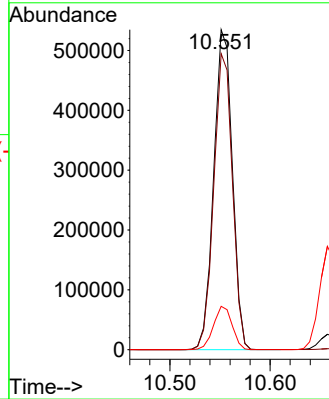
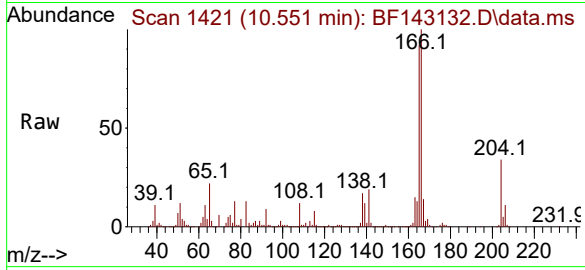




#58
Fluorene
Concen: 39.088 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

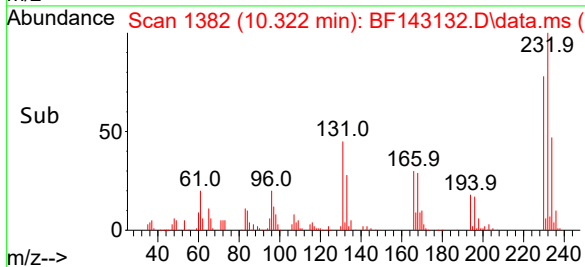
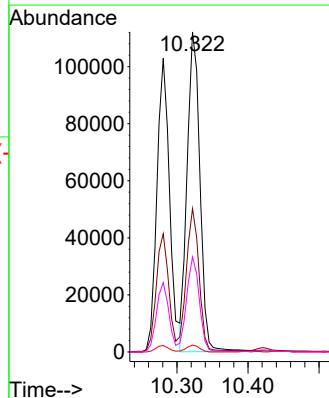
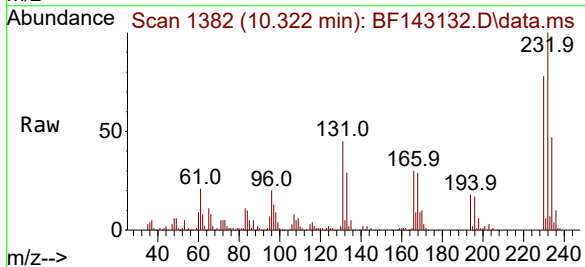
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

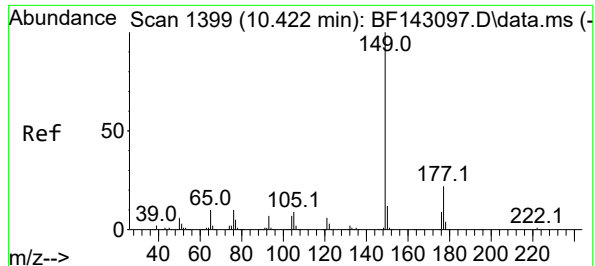
Tgt Ion:166 Resp: 689808
Ion Ratio Lower Upper
166 100
165 92.5 73.7 110.5
167 13.6 10.9 16.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 33.949 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:232 Resp: 140420
Ion Ratio Lower Upper
232 100
131 44.7 36.9 55.3
130 2.2 1.8 2.8
166 29.5 23.0 34.6





#60

Diethylphthalate

Concen: 43.405 ng

RT: 10.422 min Scan# 1399

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

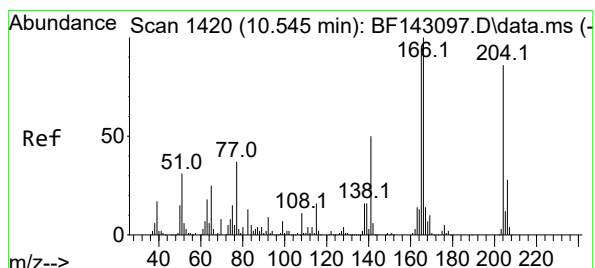
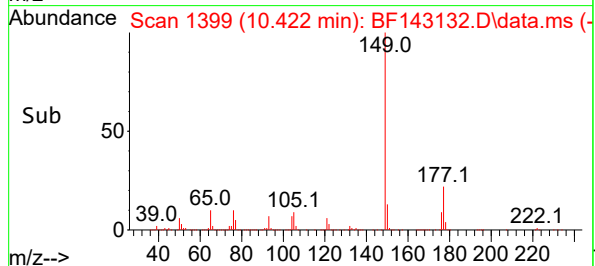
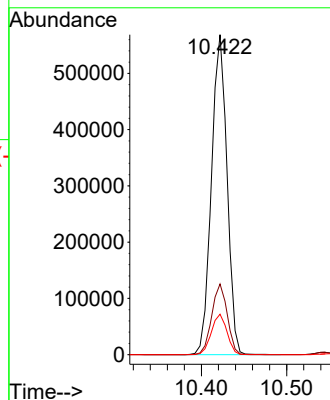
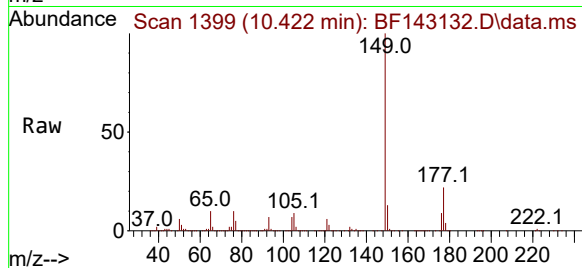
Tgt Ion:149 Resp: 722197

Ion Ratio Lower Upper

149 100

177 22.1 17.3 25.9

150 12.7 9.9 14.9



#61

4-Chlorophenyl-phenylether

Concen: 40.789 ng

RT: 10.545 min Scan# 1420

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

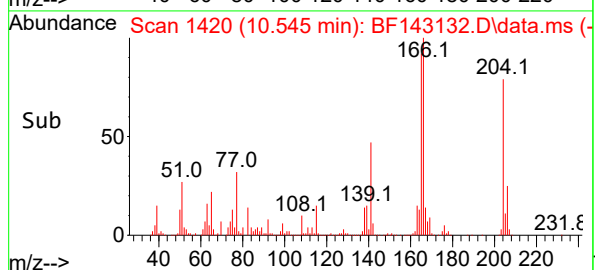
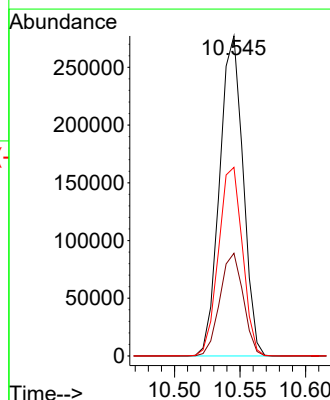
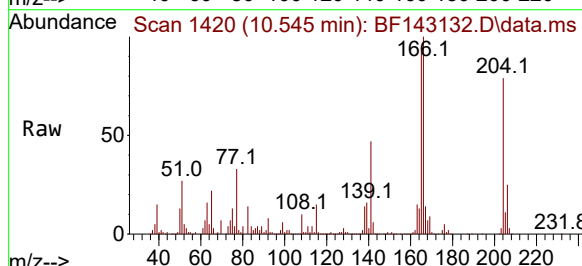
Tgt Ion:204 Resp: 345005

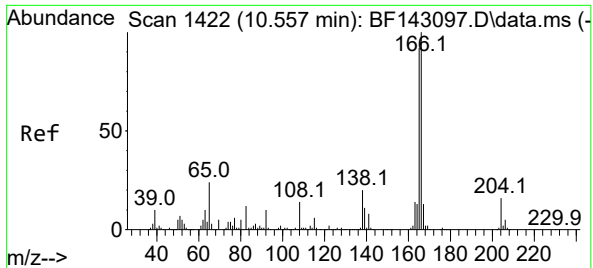
Ion Ratio Lower Upper

204 100

206 32.1 25.8 38.6

141 59.0 46.8 70.2

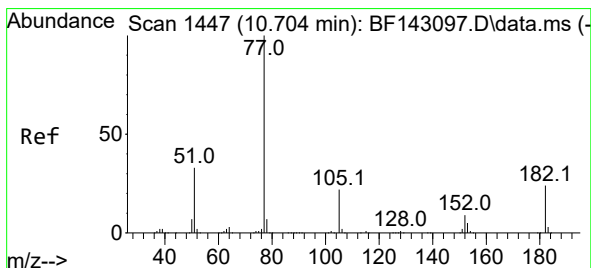
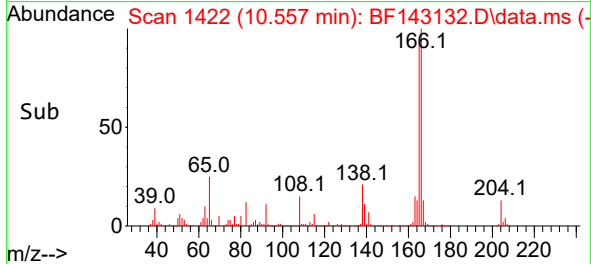
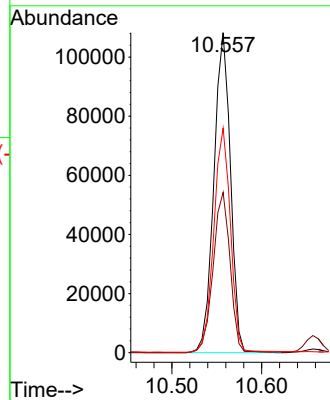
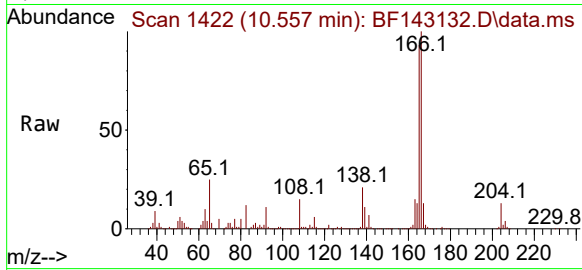




#62
4-Nitroaniline
Concen: 42.929 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

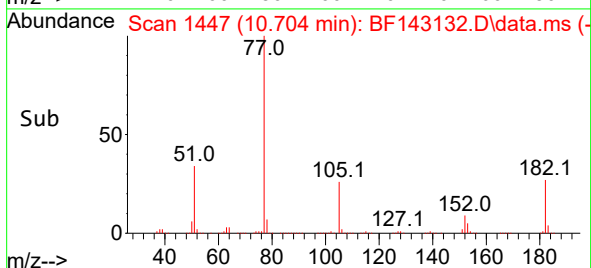
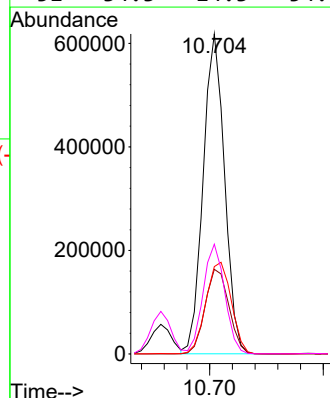
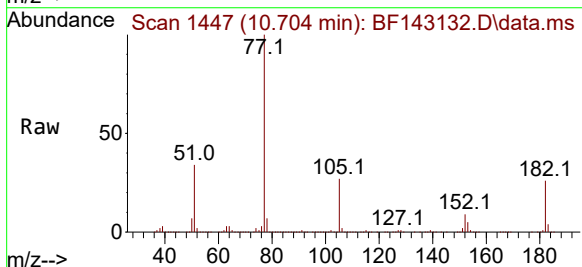
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

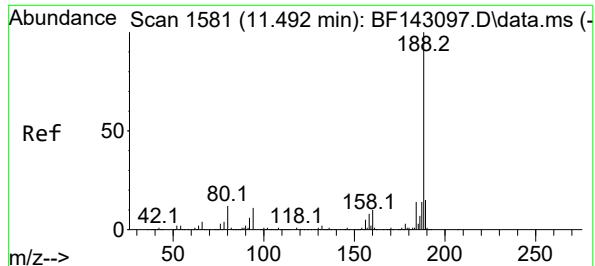
Tgt Ion:138 Resp: 139120
Ion Ratio Lower Upper
138 100
92 50.1 30.4 70.4
108 70.2 49.5 89.5



#63
Azobenzene
Concen: 43.895 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 77 Resp: 807710
Ion Ratio Lower Upper
77 100
182 26.5 4.0 44.0
105 27.3 1.4 41.4
51 34.3 14.3 54.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

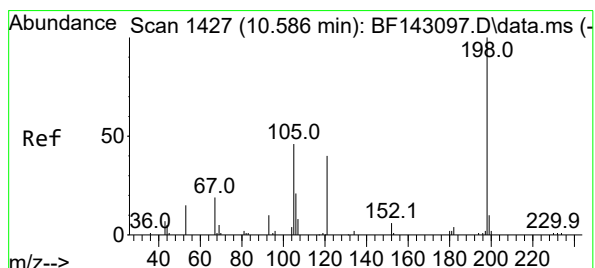
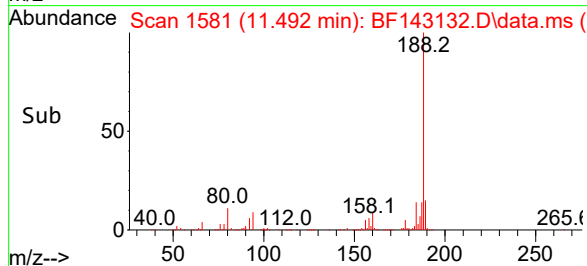
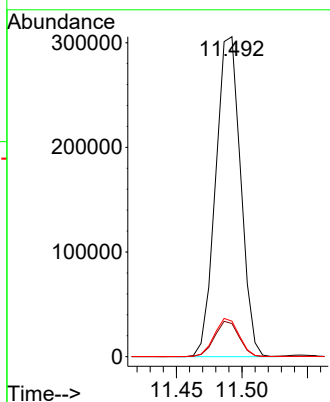
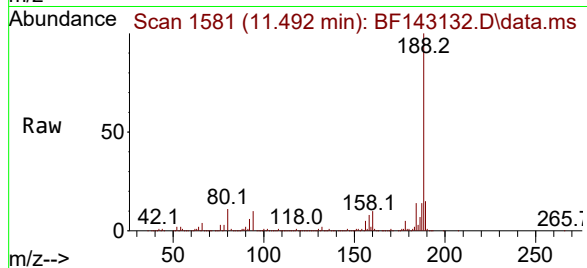
Tgt Ion:188 Resp: 404556

Ion Ratio Lower Upper

188 100

94 10.3 8.6 13.0

80 11.1 9.3 13.9



#65

4,6-Dinitro-2-methylphenol

Concen: 11.197 ng

RT: 10.586 min Scan# 1427

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

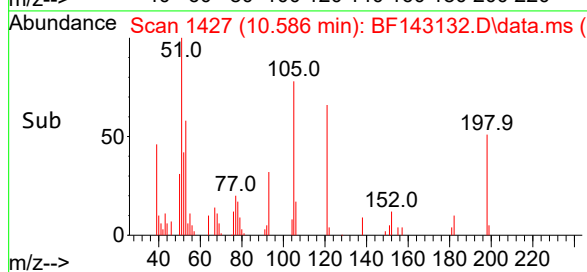
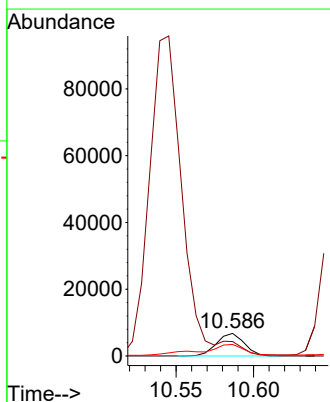
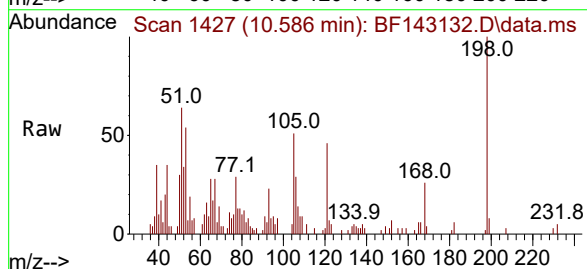
Tgt Ion:198 Resp: 8364

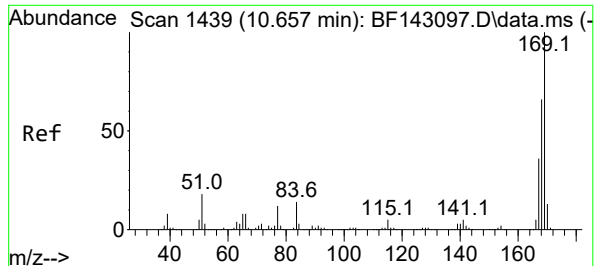
Ion Ratio Lower Upper

198 100

51 63.8 44.6 84.6

105 51.2 29.3 69.3

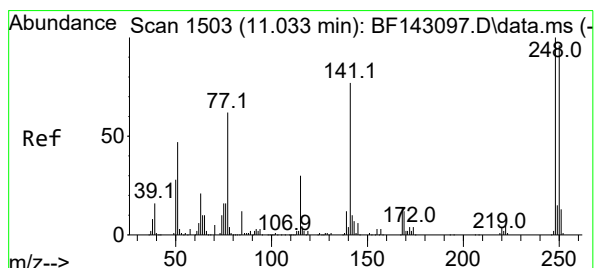
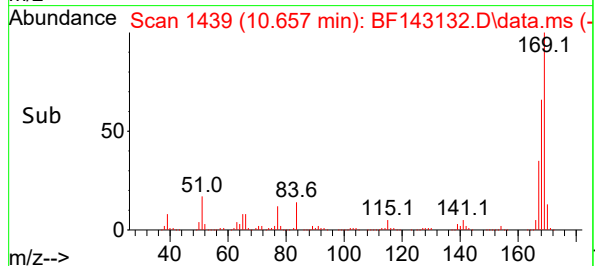
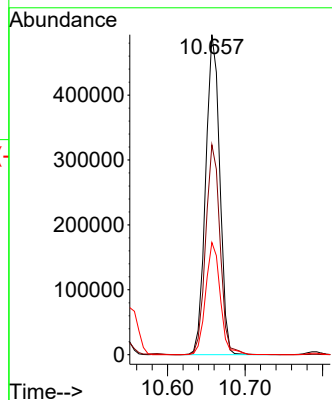
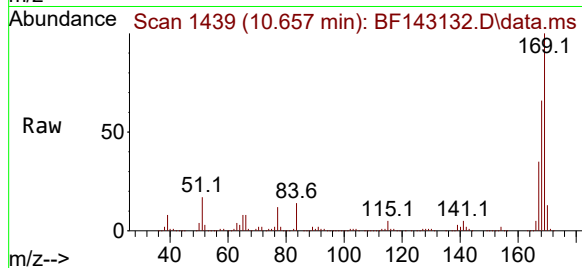




#66
n-Nitrosodiphenylamine
Concen: 43.825 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

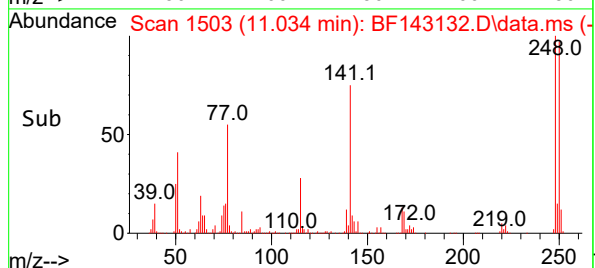
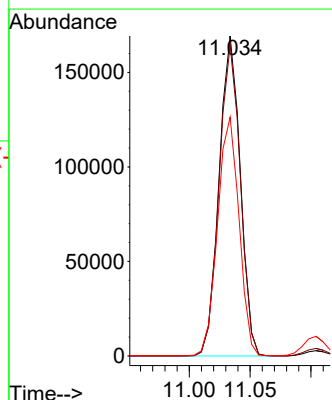
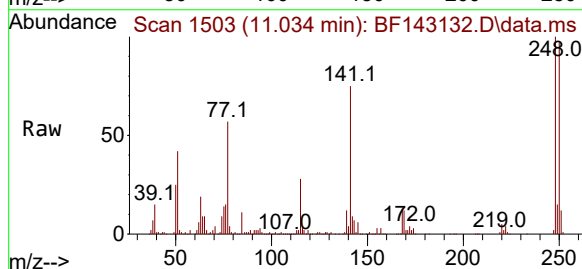
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

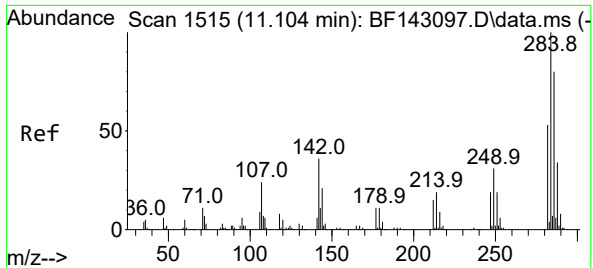
Tgt Ion:169 Resp: 622784
Ion Ratio Lower Upper
169 100
168 65.6 53.0 79.6
167 35.1 28.4 42.6



#67
4-Bromophenyl-phenylether
Concen: 44.577 ng
RT: 11.034 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:248 Resp: 205085
Ion Ratio Lower Upper
248 100
250 97.1 76.7 115.1
141 74.7 61.7 92.5

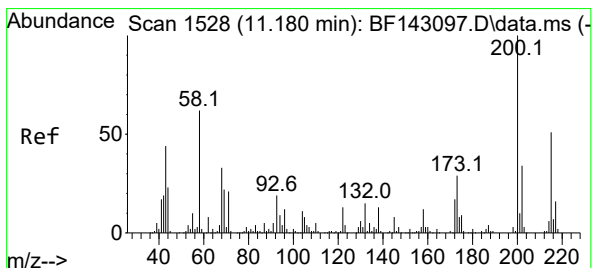
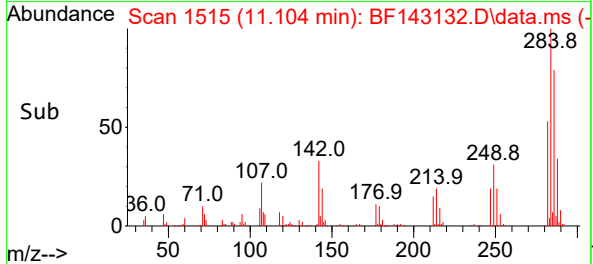
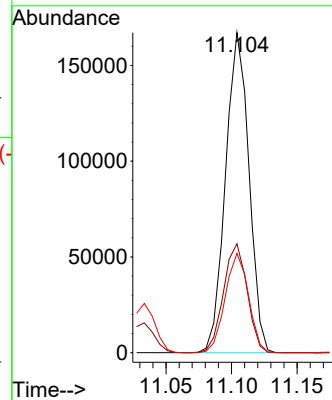
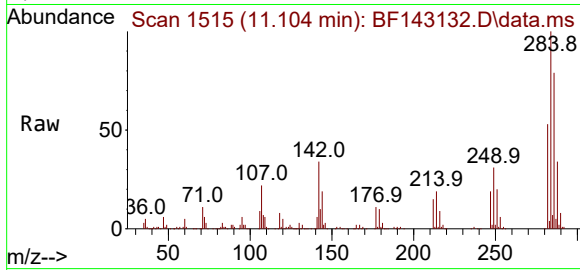




#68
Hexachlorobenzene
Concen: 42.467 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

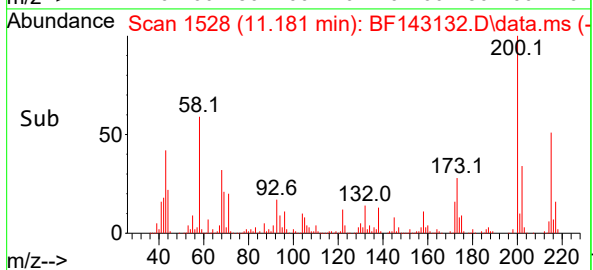
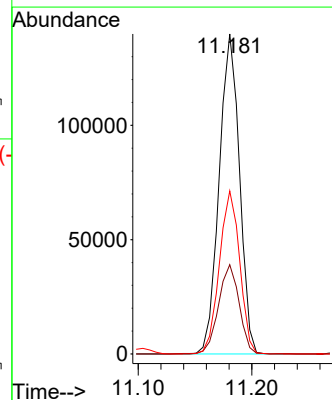
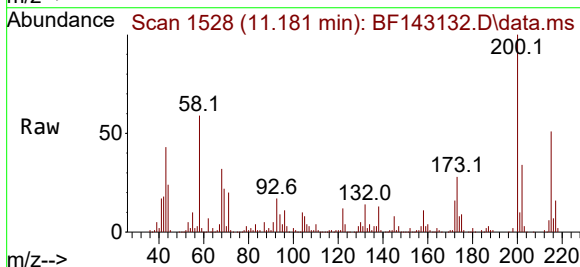
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

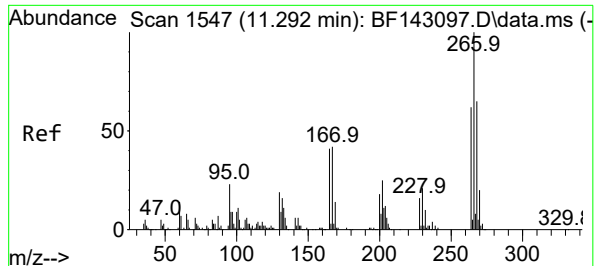
Tgt Ion:284 Resp: 207302
Ion Ratio Lower Upper
284 100
142 34.1 28.9 43.3
249 31.0 24.6 37.0



#69
Atrazine
Concen: 47.816 ng
RT: 11.181 min Scan# 1528
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:200 Resp: 173844
Ion Ratio Lower Upper
200 100
173 27.9 9.1 49.1
215 50.9 31.0 71.0





#70

Pentachlorophenol

Concen: 30.644 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

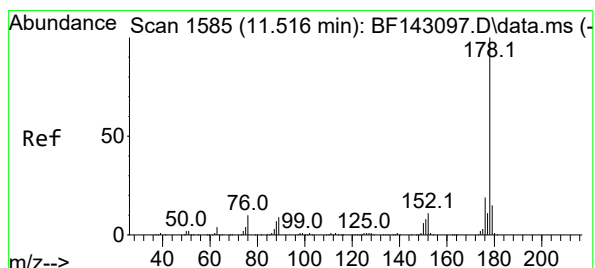
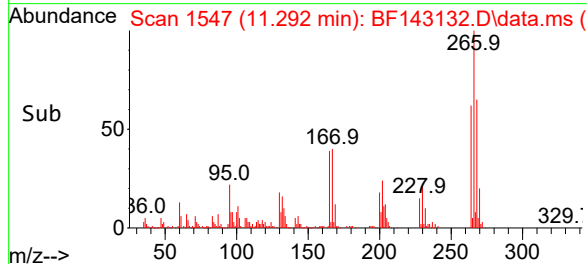
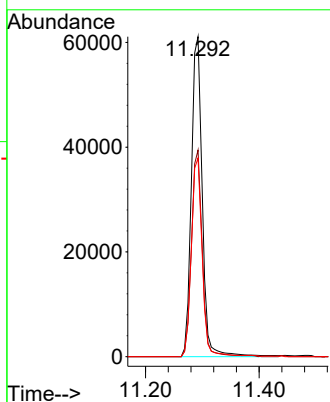
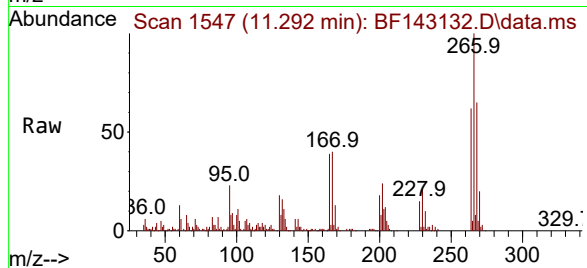
Tgt Ion:266 Resp: 82071

Ion Ratio Lower Upper

266 100

268 64.6 51.8 77.6

264 62.0 49.7 74.5



#71

Phenanthrene

Concen: 39.901 ng

RT: 11.516 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

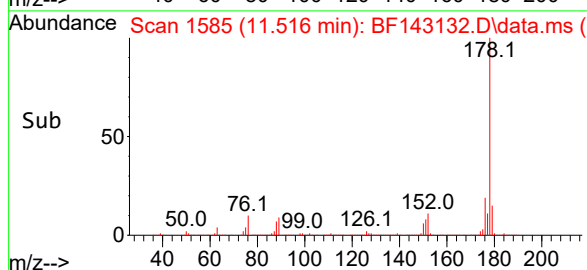
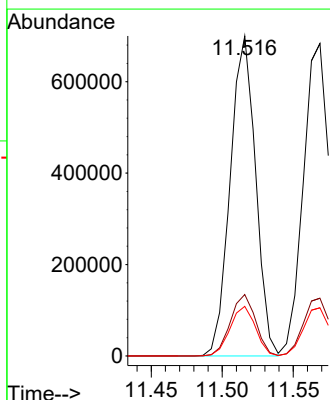
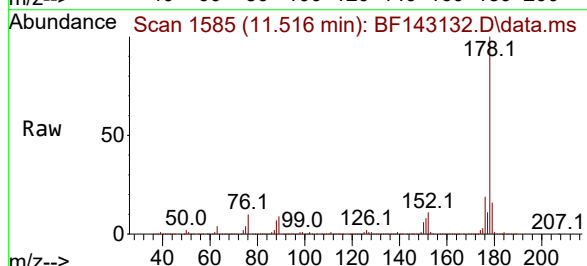
Tgt Ion:178 Resp: 871164

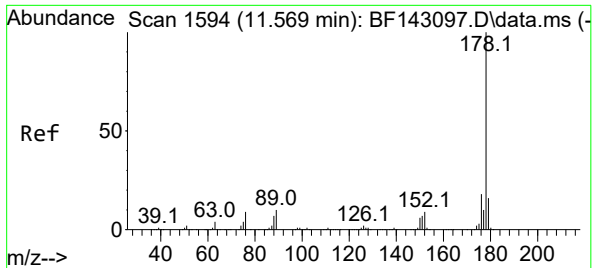
Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 15.5 12.2 18.4

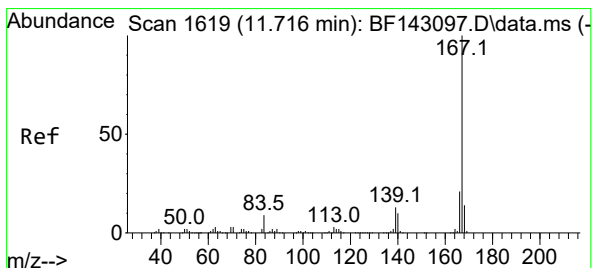
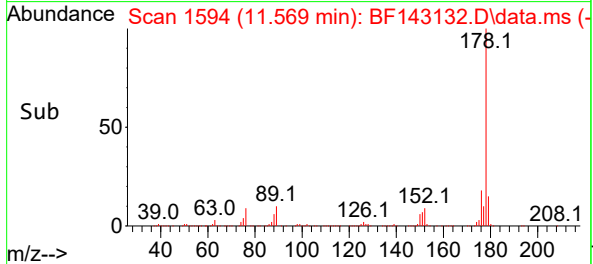
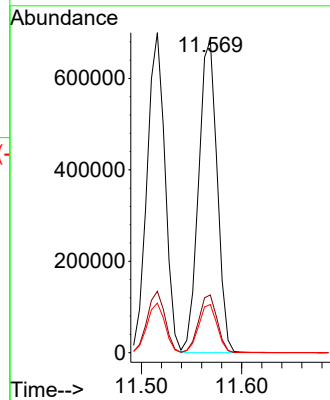
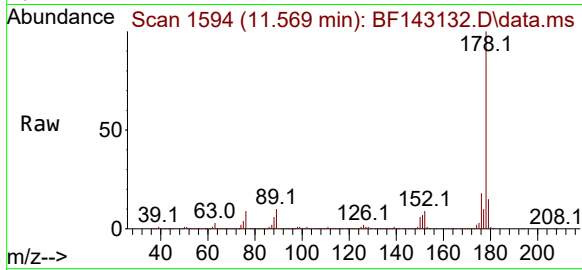




#72
Anthracene
Concen: 40.059 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

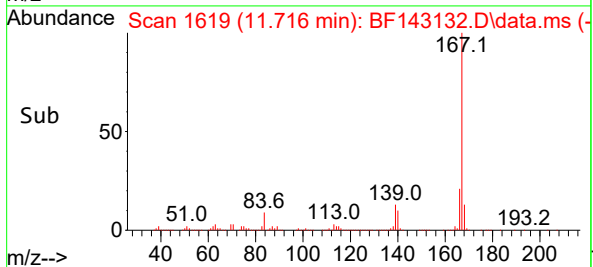
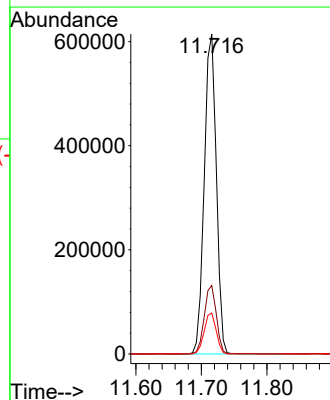
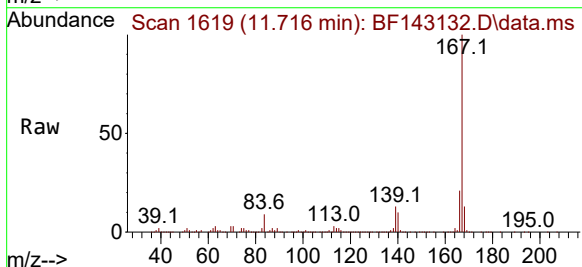
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

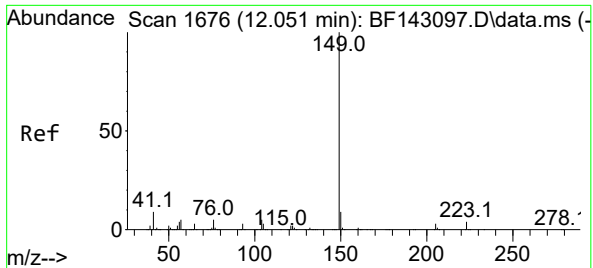
Tgt Ion:178 Resp: 879525
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.4 12.4 18.6



#73
Carbazole
Concen: 40.020 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:167 Resp: 787172
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.4
139 12.8 10.2 15.4

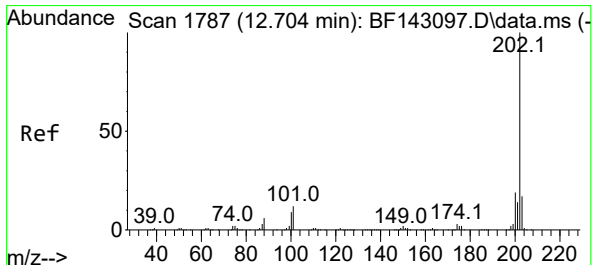
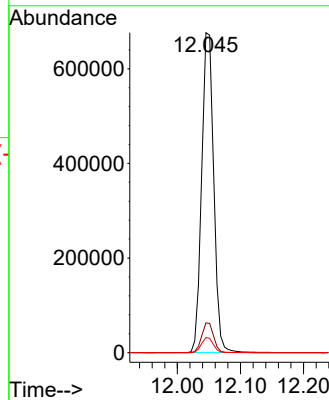
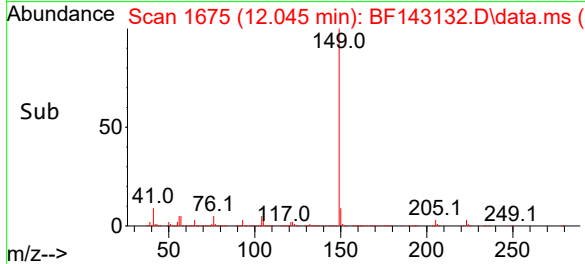
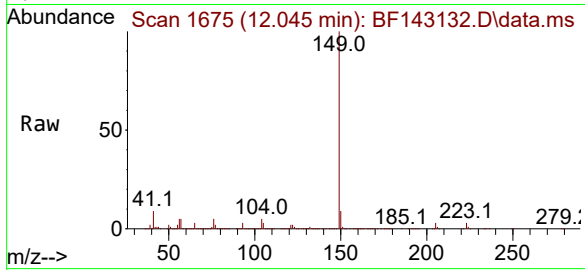




#74
Di-n-butylphthalate
Concen: 49.653 ng
RT: 12.045 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

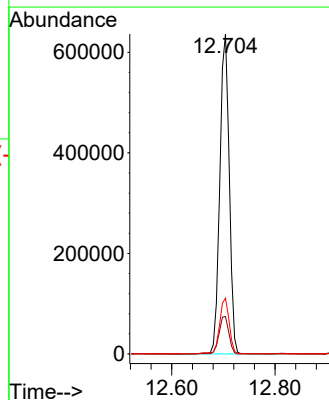
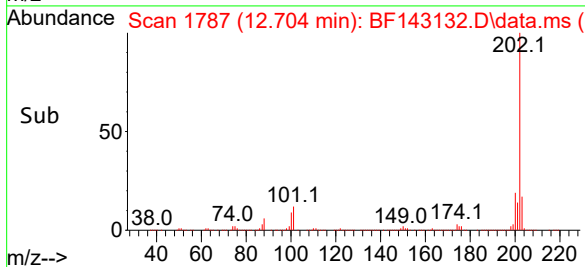
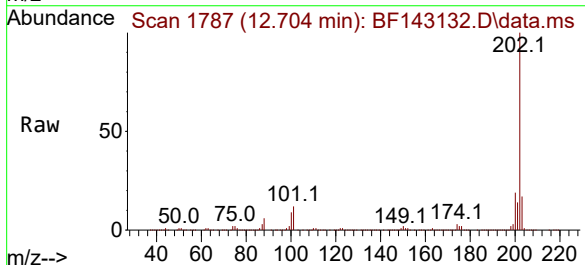
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

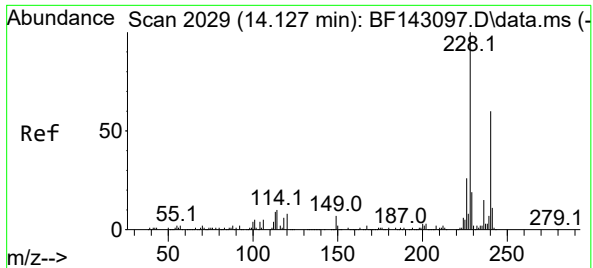
Tgt Ion:149 Resp: 896492
Ion Ratio Lower Upper
149 100
150 9.3 7.3 10.9
104 4.8 3.8 5.8



#75
Fluoranthene
Concen: 40.555 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:202 Resp: 805111
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.4
203 17.4 0.0 37.4

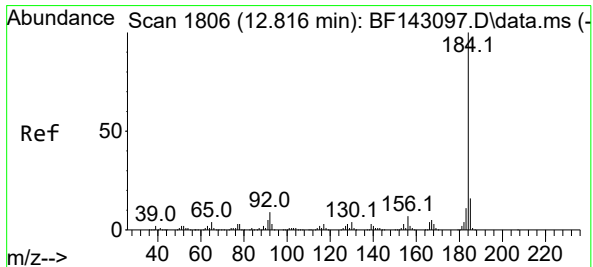
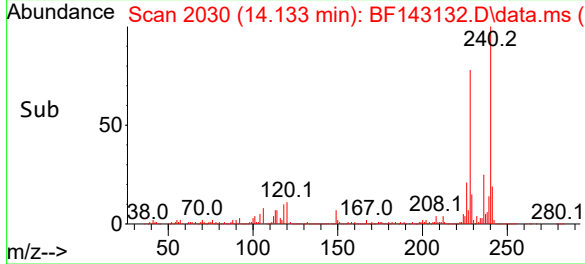
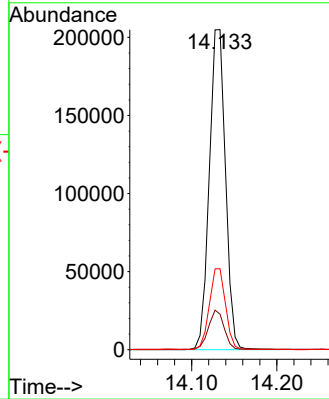
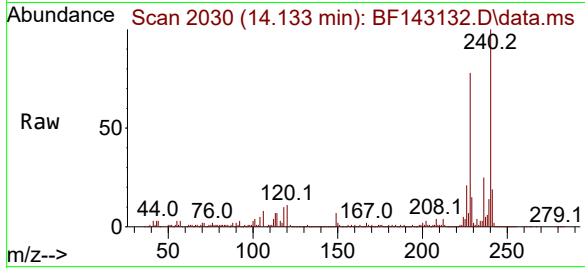




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

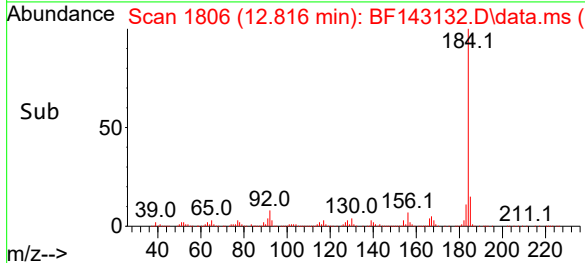
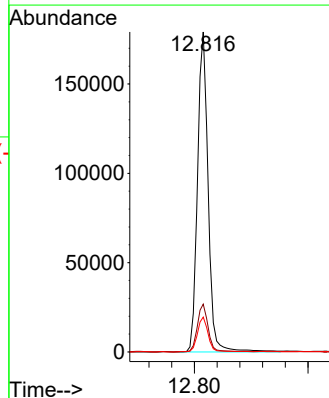
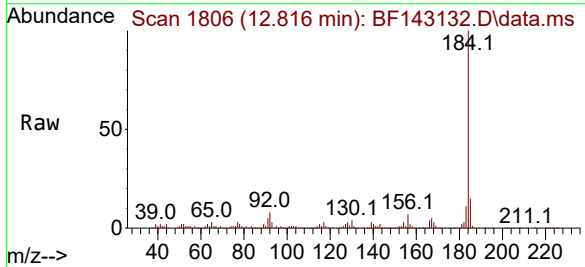
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

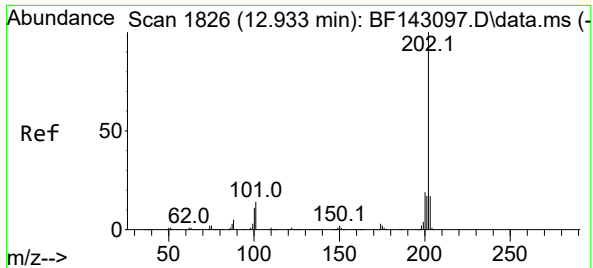
Tgt Ion:240 Resp: 270975
Ion Ratio Lower Upper
240 100
120 11.1 10.0 15.0
236 25.3 20.0 30.0



#77
Benzidine
Concen: 25.338 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:184 Resp: 233917
Ion Ratio Lower Upper
184 100
185 15.0 12.4 18.6
183 10.9 8.6 12.8





#78

Pyrene

Concen: 32.454 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

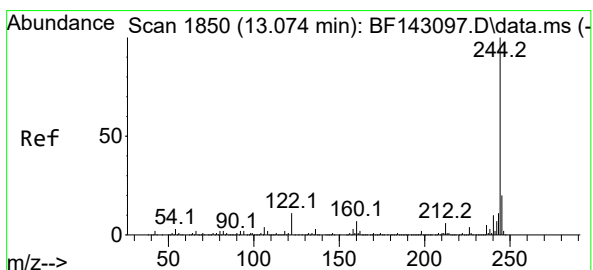
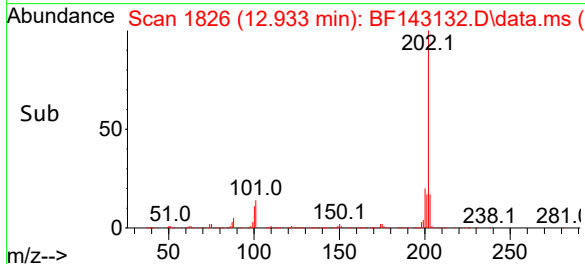
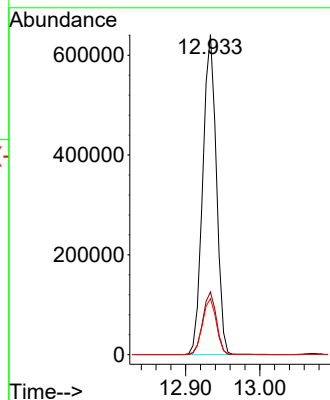
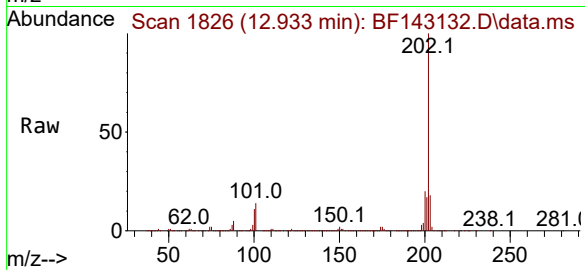
BNA_F

ClientSampleId :

TP-17MSD

Tgt Ion:202 Resp: 815947

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.5	23.3
203	17.5	14.0	21.0



#79

Terphenyl-d14

Concen: 41.632 ng

RT: 13.069 min Scan# 1849

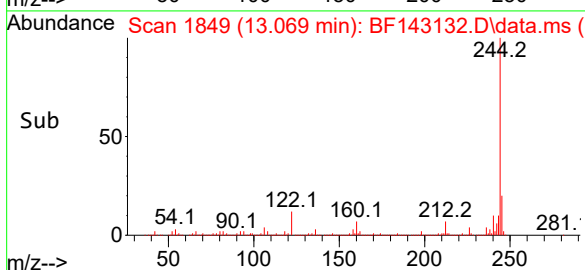
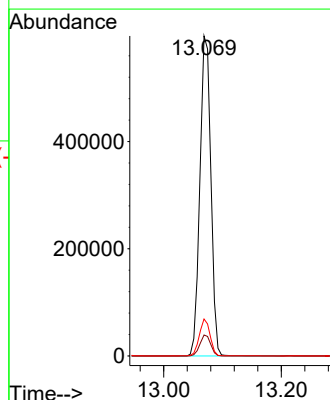
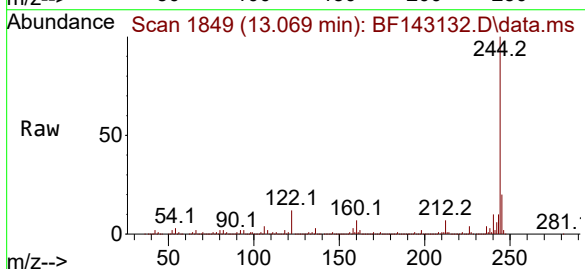
Delta R.T. -0.006 min

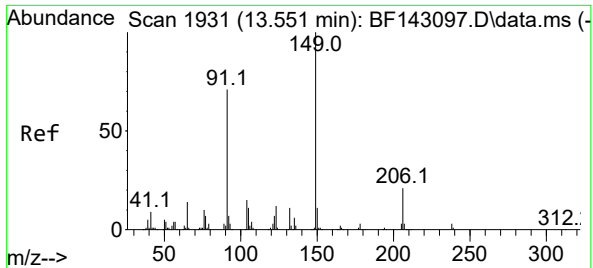
Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Tgt Ion:244 Resp: 771722

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	11.5	8.8	13.2

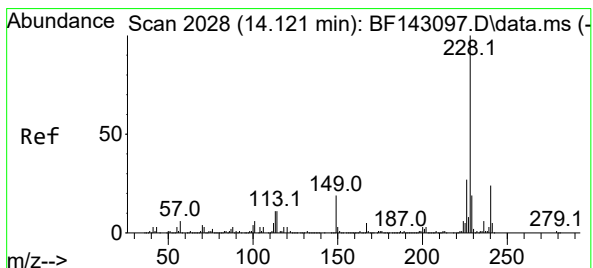
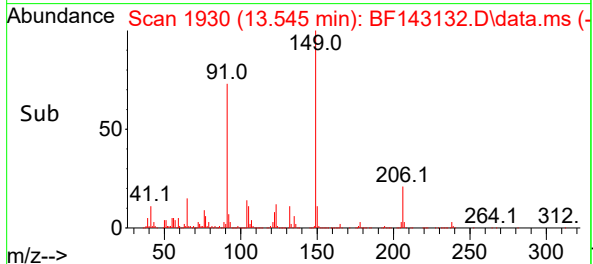
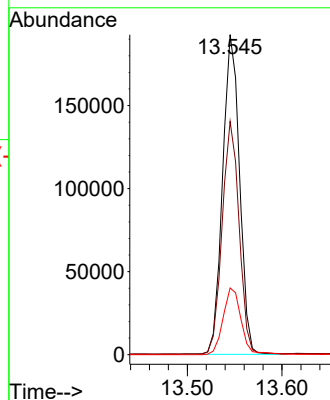
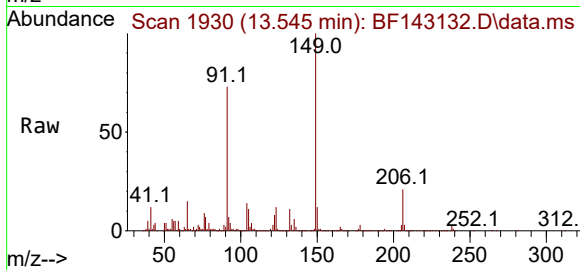




#80
Butylbenzylphthalate
Concen: 47.482 ng
RT: 13.545 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

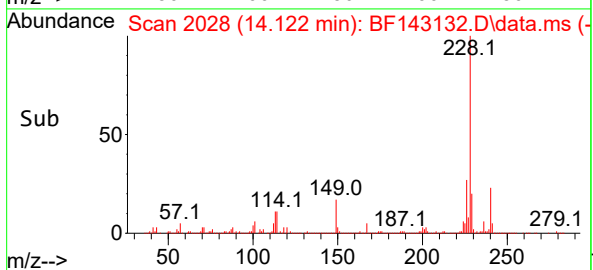
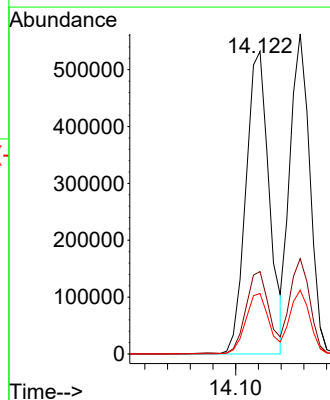
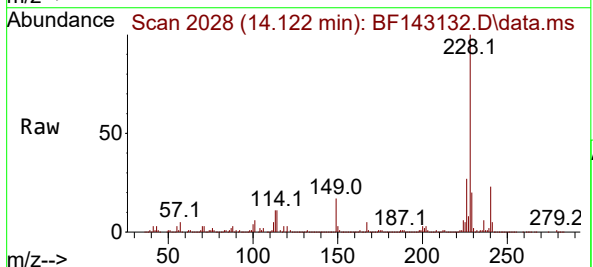
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

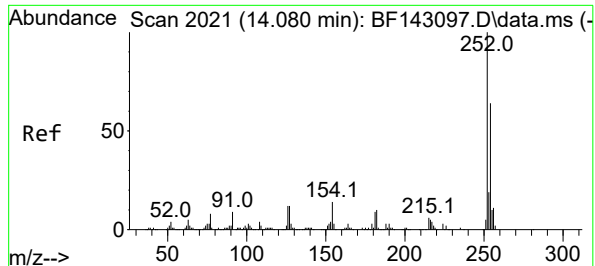
Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.9	57.0	85.4
206	20.8	17.2	25.8



#81
Benzo(a)anthracene
Concen: 42.120 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.3	31.9
229	20.0	15.5	23.3





#82

3,3'-Dichlorobenzidine

Concen: 24.777 ng

RT: 14.074 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

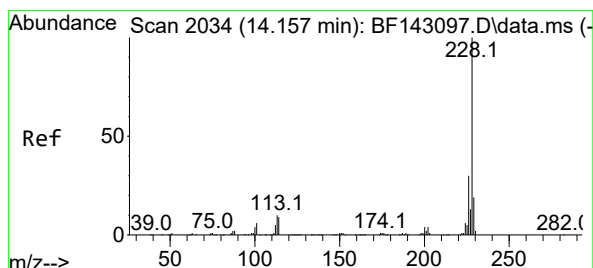
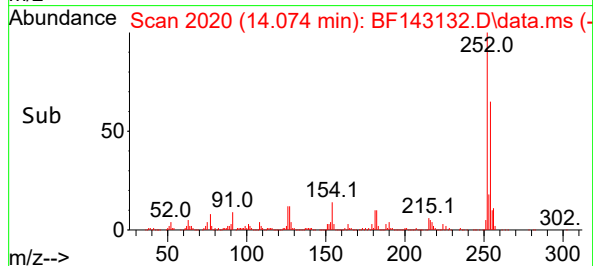
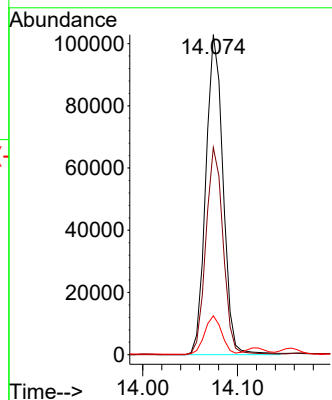
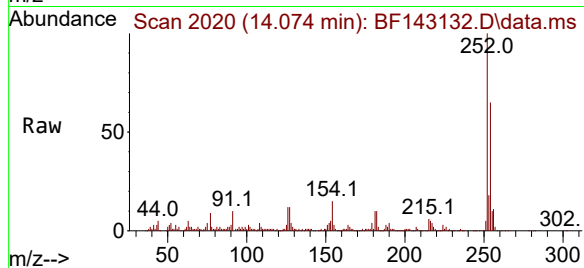
Tgt Ion:252 Resp: 129923

Ion Ratio Lower Upper

252 100

254 64.8 51.5 77.3

126 12.1 9.4 14.0



#83

Chrysene

Concen: 40.908 ng

RT: 14.157 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

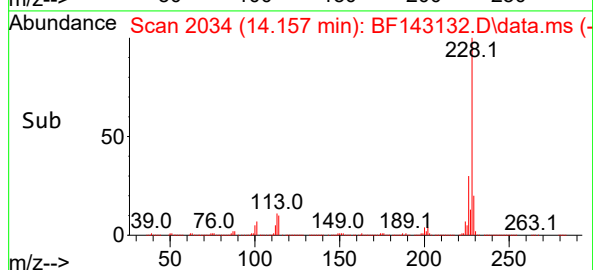
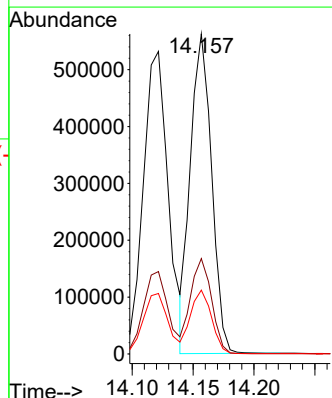
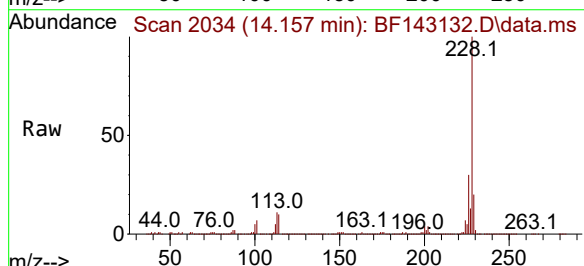
Tgt Ion:228 Resp: 680317

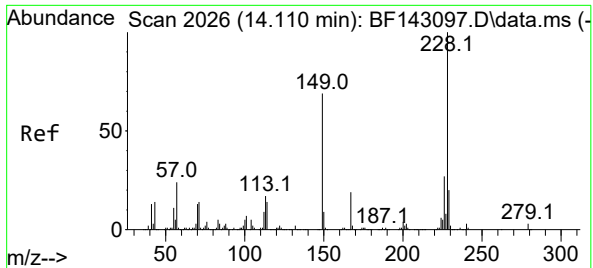
Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

229 20.0 15.3 22.9

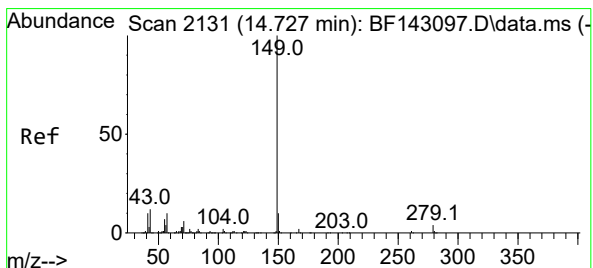
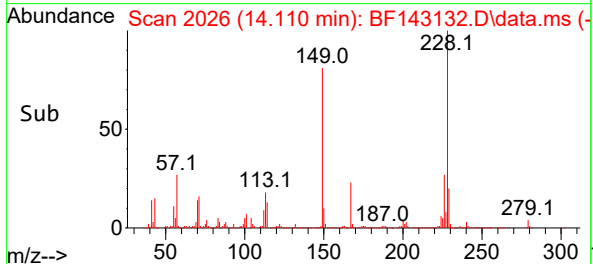
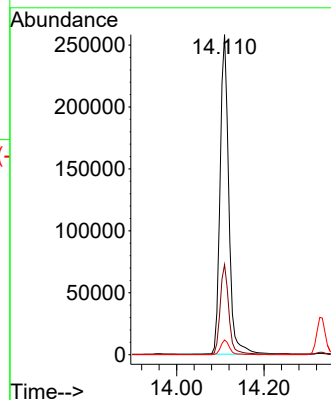
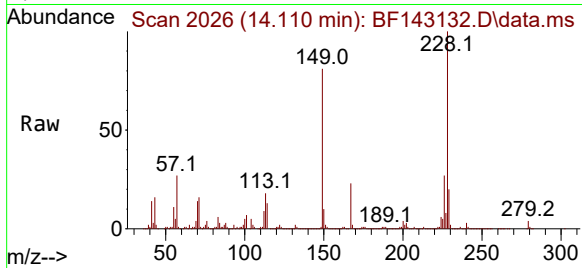




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 46.724 ng
 RT: 14.110 min Scan# 2026
 Delta R.T. -0.000 min
 Lab File: BF143132.D
 Acq: 17 Jul 2025 03:03

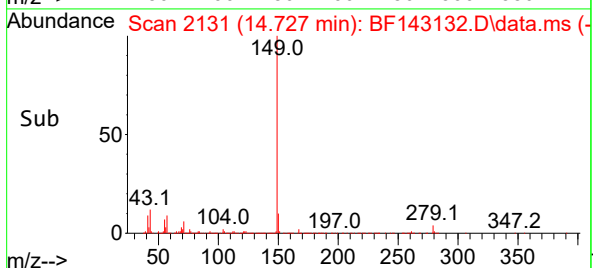
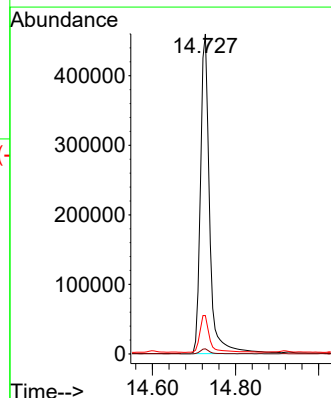
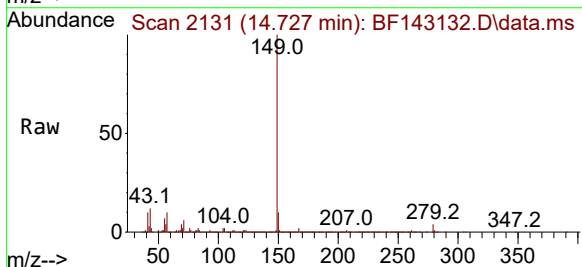
Instrument :
 BNA_F
 ClientSampleId :
 TP-17MSD

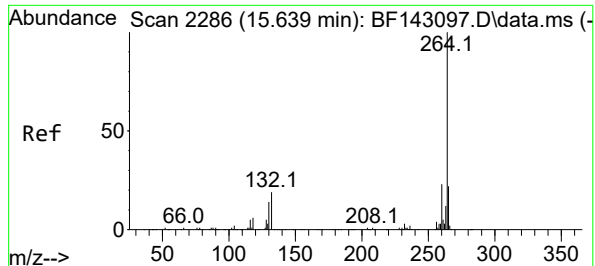
Tgt Ion:149 Resp: 355208
 Ion Ratio Lower Upper
 149 100
 167 28.1 21.9 32.9
 279 4.6 3.4 5.0



#85
 Di-n-octyl phthalate
 Concen: 48.873 ng
 RT: 14.727 min Scan# 2131
 Delta R.T. 0.000 min
 Lab File: BF143132.D
 Acq: 17 Jul 2025 03:03

Tgt Ion:149 Resp: 706471
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 12.1 10.6 16.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

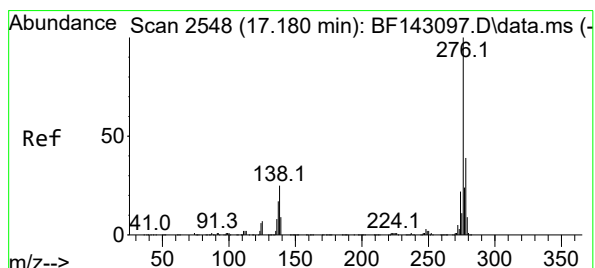
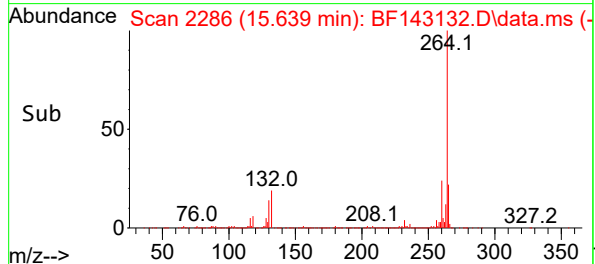
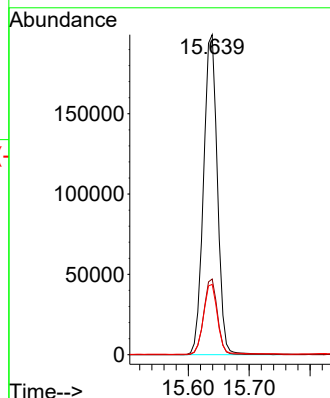
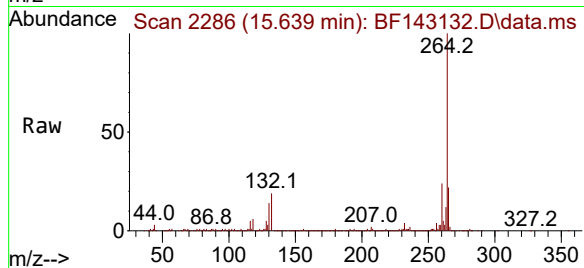
Tgt Ion:264 Resp: 316202

Ion Ratio Lower Upper

264 100

260 23.7 18.5 27.7

265 22.0 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 32.821 ng

RT: 17.180 min Scan# 2548

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

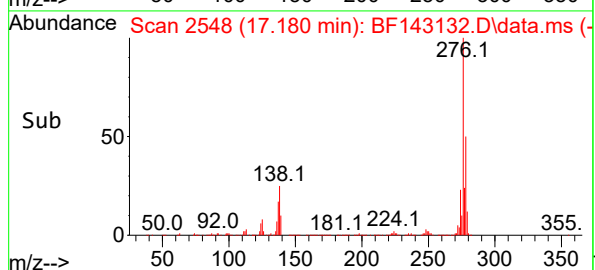
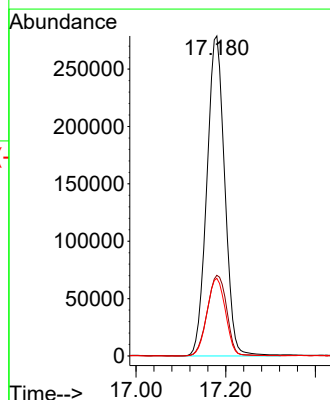
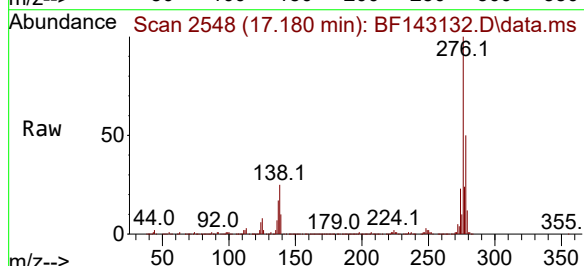
Tgt Ion:276 Resp: 771881

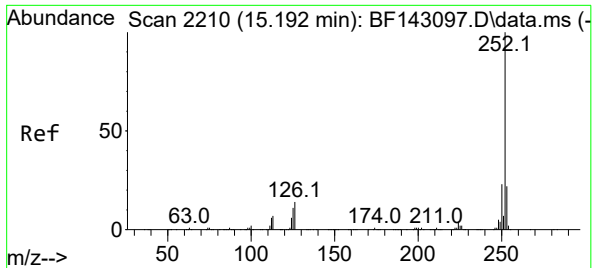
Ion Ratio Lower Upper

276 100

138 27.3 22.6 34.0

277 25.4 20.2 30.2

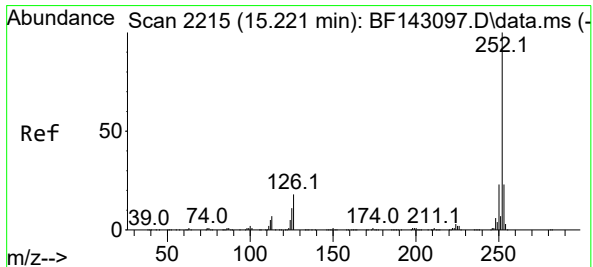
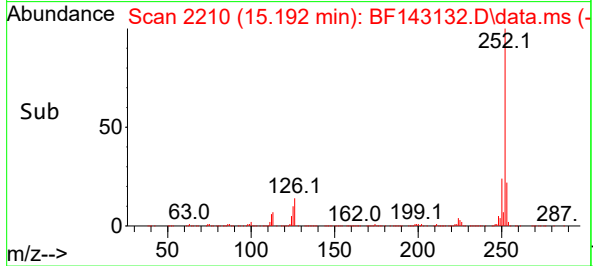
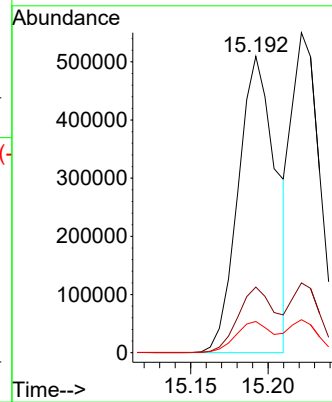
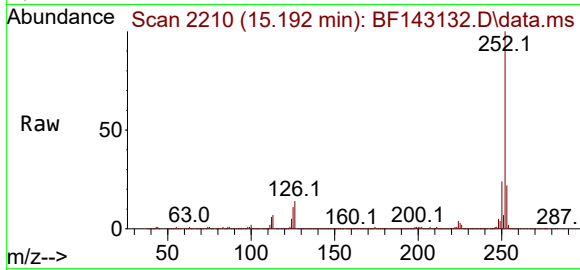




#88
Benzo(b)fluoranthene
Concen: 47.437 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

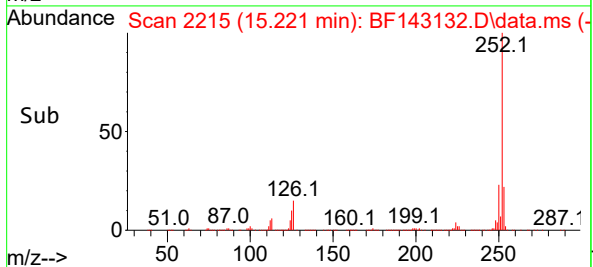
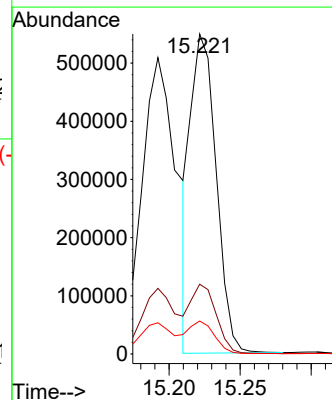
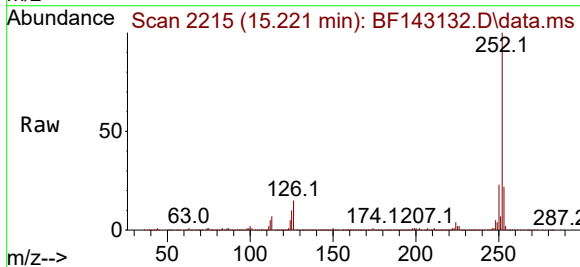
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

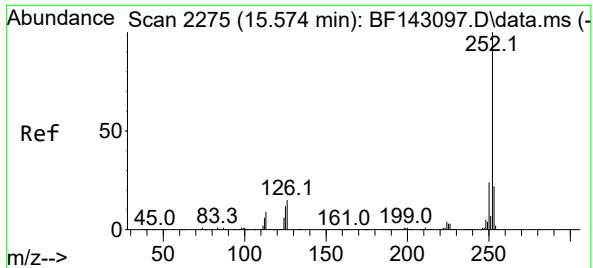
Tgt Ion:252 Resp: 865209
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.5 8.6 13.0



#89
Benzo(k)fluoranthene
Concen: 39.598 ng
RT: 15.221 min Scan# 2215
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:252 Resp: 689026
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 10.3 8.5 12.7

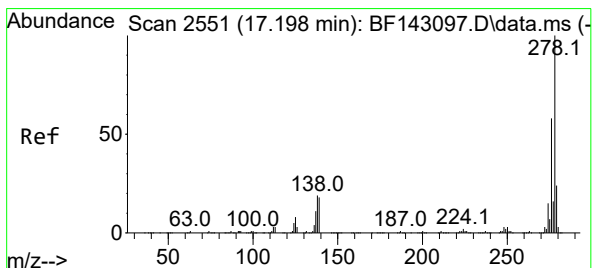
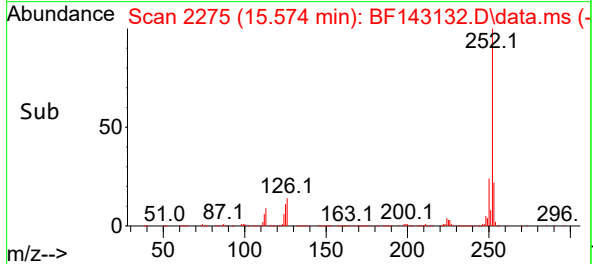
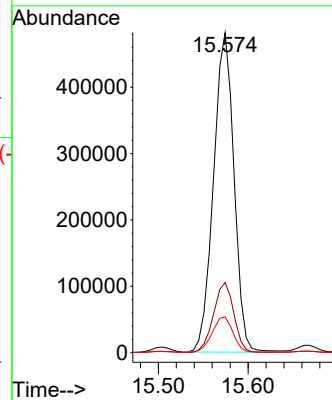
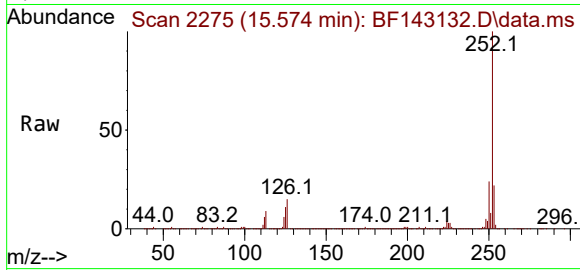




#90
Benzo(a)pyrene
Concen: 44.239 ng
RT: 15.574 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

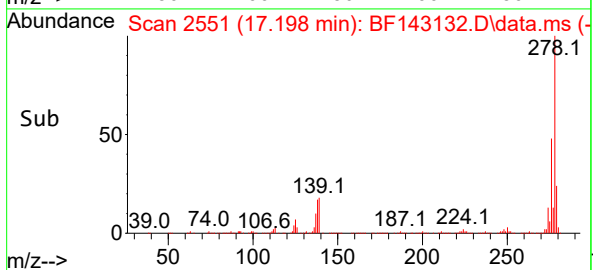
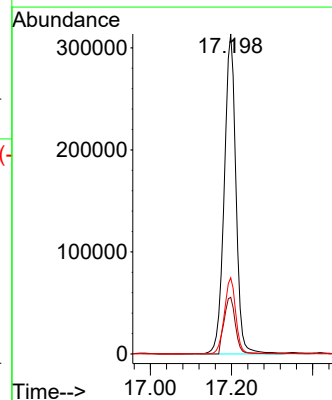
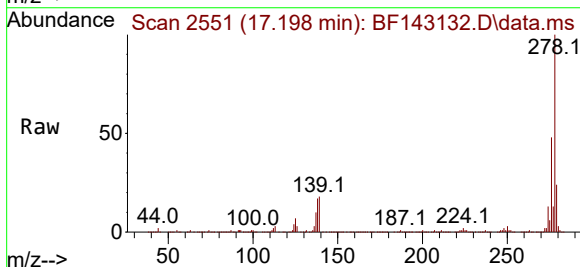
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

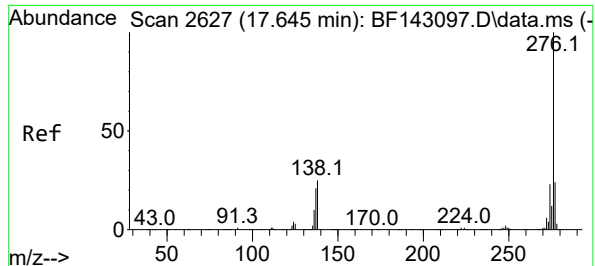
Tgt Ion:252 Resp: 763138
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 11.2 9.4 14.0



#91
Dibenzo(a,h)anthracene
Concen: 32.739 ng
RT: 17.198 min Scan# 2551
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:278 Resp: 629422
Ion Ratio Lower Upper
278 100
139 17.7 14.6 22.0
279 23.8 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 30.191 ng

RT: 17.645 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143132.D

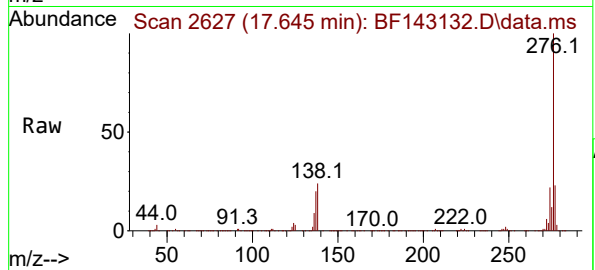
Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD



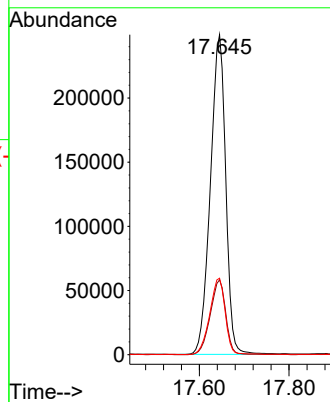
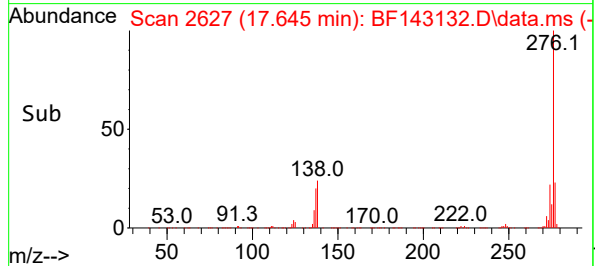
Tgt Ion:276 Resp: 591750

Ion Ratio Lower Upper

276 100

277 23.4 19.2 28.8

138 23.9 19.8 29.6



Manual Integration Report

Sequence:	BF071525	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDIC005	BF143094.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:26 AM	Jagrut	7/16/2025 1:40:56 PM	Peak Integrated by Software
SSTDIC010	BF143095.D	Benzoic acid	Rahul	7/16/2025 11:43:28 AM	Jagrut	7/16/2025 1:40:58 PM	Peak Integrated by Software
SSTDIC010	BF143095.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:28 AM	Jagrut	7/16/2025 1:40:58 PM	Peak Integrated by Software
SSTDIC020	BF143096.D	Benzoic acid	Rahul	7/16/2025 11:43:30 AM	Jagrut	7/16/2025 1:41:01 PM	Peak Integrated by Software
SSTDIC020	BF143096.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:30 AM	Jagrut	7/16/2025 1:41:01 PM	Peak Integrated by Software
SSTDIC020	BF143096.D	Phenol	Rahul	7/16/2025 11:43:30 AM	Jagrut	7/16/2025 1:41:01 PM	Peak Integrated by Software
SSTDICCC040	BF143097.D	Benzoic acid	Rahul	7/16/2025 11:43:33 AM	Jagrut	7/16/2025 1:41:03 PM	Peak Integrated by Software
SSTDICCC040	BF143097.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:33 AM	Jagrut	7/16/2025 1:41:03 PM	Peak Integrated by Software
SSTDICCC040	BF143097.D	Phenol	Rahul	7/16/2025 11:43:33 AM	Jagrut	7/16/2025 1:41:03 PM	Peak Integrated by Software
SSTDIC050	BF143098.D	Phenol	Rahul	7/16/2025 11:43:36 AM	Jagrut	7/16/2025 1:41:06 PM	Peak Integrated by Software
SSTDIC060	BF143099.D	Benzoic acid	Rahul	7/16/2025 11:43:39 AM	Jagrut	7/16/2025 1:41:09 PM	Peak Integrated by Software
SSTDIC060	BF143099.D	Phenol	Rahul	7/16/2025 11:43:39 AM	Jagrut	7/16/2025 1:41:09 PM	Peak Integrated by Software
SSTDIC080	BF143100.D	Phenol	Rahul	7/16/2025 11:43:42 AM	Jagrut	7/16/2025 1:41:12 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF071525

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BF143101.D	Benzoic acid	Rahul	7/16/2025 11:43:45 AM	Jagrut	7/16/2025 1:41:15 PM	Peak Integrated by Software
SSTDICV040	BF143101.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:45 AM	Jagrut	7/16/2025 1:41:15 PM	Peak Integrated by Software
SSTDICV040	BF143101.D	Phenol	Rahul	7/16/2025 11:43:45 AM	Jagrut	7/16/2025 1:41:15 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	bf071625	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143115.D	Benzoic acid	Rahul	7/17/2025 10:01:35 AM	Jagrut	7/17/2025 11:19:12 AM	Peak Integrated by Software
Q2558-01	BF143134.D	Benzo(b)fluoranthene	Rahul	7/17/2025 10:01:50 AM	Jagrut	7/17/2025 11:19:27 AM	Peak Integrated by Software
Q2558-03	BF143136.D	Benzo(b)fluoranthene	Rahul	7/17/2025 10:02:14 AM	Jagrut	7/17/2025 11:19:31 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF071725

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143141.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:25 AM	Jagrut	7/18/2025 1:30:07 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Benzoic acid	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Phenol	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Benzoic acid	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Phenol	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Benzoic acid	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Phenol	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Benzoic acid	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Phenol	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC060	BF143146.D	Phenol	Rahul	7/18/2025 10:30:38 AM	Jagrut	7/18/2025 1:30:19 PM	Peak Integrated by Software
SSTDICC080	BF143147.D	Benzoic acid	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF071725

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF143147.D	Phenol	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software
SSTDICV040	BF143148.D	Phenol	Rahul	7/18/2025 10:30:44 AM	Jagrut	7/18/2025 1:30:24 PM	Peak Integrated by Software
SSTDCCC040	BF143157.D	Phenol	Rahul	7/18/2025 10:31:02 AM	Jagrut	7/18/2025 1:30:41 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	bf072225	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168813BS	BF143179.D	Caprolactam	Rahul	7/23/2025 8:21:48 AM	Jagrut	7/23/2025 12:30:48 PM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF071525

Review By	Rahul	Review On	7/16/2025 11:47:09 AM		
Supervise By	Jagrut	Supervise On	7/16/2025 1:41:28 PM		
SubDirectory	BF071525	HP Acquire Method	BNA_F	HP Processing Method	Bf071525
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S12674,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143092.D	15 Jul 2025 12:35	RC/JU	Ok
2	SSTDICC2.5	BF143093.D	15 Jul 2025 13:04	RC/JU	Ok
3	SSTDICC005	BF143094.D	15 Jul 2025 13:35	RC/JU	Ok,M
4	SSTDICC010	BF143095.D	15 Jul 2025 14:05	RC/JU	Ok,M
5	SSTDICC020	BF143096.D	15 Jul 2025 14:36	RC/JU	Ok,M
6	SSTDICCC040	BF143097.D	15 Jul 2025 15:05	RC/JU	Ok,M
7	SSTDICC050	BF143098.D	15 Jul 2025 15:35	RC/JU	Ok,M
8	SSTDICC060	BF143099.D	15 Jul 2025 16:05	RC/JU	Ok,M
9	SSTDICC080	BF143100.D	15 Jul 2025 16:35	RC/JU	Ok,M
10	SSTDICV040	BF143101.D	15 Jul 2025 17:27	RC/JU	Ok,M
11	PB168737BL	BF143102.D	15 Jul 2025 17:57	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM
SubDirectory	BF071625	HP Acquire Method	BNA_F
		HP Processing Method	Bf071525
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12674,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143103.D	16 Jul 2025 09:06	RC/JU	Ok
2	SSTDCCC040	BF143104.D	16 Jul 2025 10:04	RC/JU	Ok
3	PB168787BL	BF143105.D	16 Jul 2025 10:34	RC/JU	Ok
4	Q2126-02	BF143106.D	16 Jul 2025 11:03	RC/JU	Ok
5	Q2126-02	BF143107.D	16 Jul 2025 11:37	RC/JU	Ok
6	Q2126-08	BF143108.D	16 Jul 2025 12:07	RC/JU	Ok
7	Q2126-08	BF143109.D	16 Jul 2025 12:36	RC/JU	Ok
8	Q2126-01	BF143110.D	16 Jul 2025 13:05	RC/JU	Ok
9	Q2126-01	BF143111.D	16 Jul 2025 13:35	RC/JU	Ok
10	Q2126-07	BF143112.D	16 Jul 2025 14:05	RC/JU	Ok
11	Q2126-07	BF143113.D	16 Jul 2025 14:35	RC/JU	Ok
12	PB168802BL	BF143114.D	16 Jul 2025 15:13	RC/JU	Ok
13	SSTDCCC040	BF143115.D	16 Jul 2025 15:45	RC/JU	Ok,M
14	DFTPP	BF143116.D	16 Jul 2025 19:09	RC/JU	Ok
15	SSTDCCC040	BF143117.D	16 Jul 2025 19:39	RC/JU	Ok
16	PB168854BL	BF143118.D	16 Jul 2025 20:09	RC/JU	Ok
17	PB168854BS	BF143119.D	16 Jul 2025 20:39	RC/JU	Ok,M
18	PB168847TB	BF143120.D	16 Jul 2025 21:09	RC/JU	Ok
19	Q2592-02	BF143121.D	16 Jul 2025 21:39	RC/JU	Ok
20	Q2592-02MS	BF143122.D	16 Jul 2025 22:09	RC/JU	Ok,M
21	Q2592-02MSD	BF143123.D	16 Jul 2025 22:38	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM
SubDirectory	BF071625	HP Acquire Method	BNA_F
		HP Processing Method	Bf071525
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12674,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2600-02	BF143124.D	16 Jul 2025 23:08	RC/JU	Ok
23	Q2600-06	BF143125.D	16 Jul 2025 23:37	RC/JU	Ok
24	Q2600-10	BF143126.D	17 Jul 2025 00:07	RC/JU	Ok,M
25	Q2614-06	BF143127.D	17 Jul 2025 00:37	RC/JU	Ok
26	Q2605-03	BF143128.D	17 Jul 2025 01:05	RC/JU	Ok
27	Q2605-04	BF143129.D	17 Jul 2025 01:35	RC/JU	Ok
28	Q2571-05	BF143130.D	17 Jul 2025 02:04	RC/JU	Ok
29	Q2571-05MS	BF143131.D	17 Jul 2025 02:34	RC/JU	Ok
30	Q2571-05MSD	BF143132.D	17 Jul 2025 03:03	RC/JU	Ok
31	Q2555-01	BF143133.D	17 Jul 2025 03:32	RC/JU	Ok,M
32	Q2558-01	BF143134.D	17 Jul 2025 04:02	RC/JU	Ok,M
33	Q2555-03	BF143135.D	17 Jul 2025 04:31	RC/JU	Ok,M
34	Q2558-03	BF143136.D	17 Jul 2025 05:00	RC/JU	Ok,M
35	SSTDCCC040	BF143137.D	17 Jul 2025 05:30	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM
SubDirectory	BF071725	HP Acquire Method	BNA_F
		HP Processing Method	bf071725
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12674,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143138.D	17 Jul 2025 09:58	RC/JU	Ok
2	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	RC/JU	Not Ok
3	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04	RC/JU	Ok
4	SSTDICC005	BF143141.D	17 Jul 2025 11:34	RC/JU	Ok,M
5	SSTDICC010	BF143142.D	17 Jul 2025 12:04	RC/JU	Ok,M
6	SSTDICC020	BF143143.D	17 Jul 2025 12:34	RC/JU	Ok,M
7	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	RC/JU	Ok,M
8	SSTDICC050	BF143145.D	17 Jul 2025 13:33	RC/JU	Ok,M
9	SSTDICC060	BF143146.D	17 Jul 2025 14:04	RC/JU	Ok,M
10	SSTDICC080	BF143147.D	17 Jul 2025 14:34	RC/JU	Ok,M
11	SSTDICV040	BF143148.D	17 Jul 2025 15:06	RC/JU	Ok,M
12	PB168813BL	BF143149.D	17 Jul 2025 15:36	RC/JU	Ok
13	Q2126-03	BF143150.D	17 Jul 2025 16:06	RC/JU	Ok,M
14	Q2126-03	BF143151.D	17 Jul 2025 16:36	RC/JU	Ok,M
15	Q2126-09	BF143152.D	17 Jul 2025 17:07	RC/JU	Ok,M
16	Q2126-09	BF143153.D	17 Jul 2025 17:37	RC/JU	Ok,M
17	PB168816BL	BF143154.D	17 Jul 2025 18:07	RC/JU	Ok
18	PB167904BL	BF143155.D	17 Jul 2025 18:37	RC/JU	Ok
19	PB167904BS	BF143156.D	17 Jul 2025 19:07	RC/JU	Ok,M
20	SSTDCCC040	BF143157.D	17 Jul 2025 19:37	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM
SubDirectory	BF072225	HP Acquire Method	BNA_F
		HP Processing Method	bf071725
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13168,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143176.D	22 Jul 2025 07:48	RC/JU	Ok
2	SSTDCCC040	BF143177.D	22 Jul 2025 08:46	RC/JU	Ok
3	PB168929BL	BF143178.D	22 Jul 2025 09:15	RC/JU	Ok
4	PB168813BS	BF143179.D	22 Jul 2025 09:44	RC/JU	Ok,M
5	Q2635-01MS	BF143180.D	22 Jul 2025 10:26	RC/JU	Ok,M
6	Q2635-01MSD	BF143181.D	22 Jul 2025 10:55	RC/JU	Ok,M
7	Q2638-01	BF143182.D	22 Jul 2025 11:25	RC/JU	Ok,M
8	Q2638-03	BF143183.D	22 Jul 2025 11:54	RC/JU	Ok,M
9	Q2638-05	BF143184.D	22 Jul 2025 12:23	RC/JU	Ok,M
10	Q2638-07	BF143185.D	22 Jul 2025 12:52	RC/JU	ReRun
11	Q2638-09	BF143186.D	22 Jul 2025 13:21	RC/JU	Ok,M
12	SSTDCCC040	BF143187.D	22 Jul 2025 13:55	RC/JU	Ok
13	DFTPP	BF143188.D	22 Jul 2025 14:54	RC/JU	Ok
14	SSTDCCC040	BF143189.D	22 Jul 2025 15:23	RC/JU	Ok
15	PB168954BL	BF143190.D	22 Jul 2025 15:52	RC/JU	Ok
16	Q2641-02	BF143191.D	22 Jul 2025 16:26	RC/JU	Ok
17	Q2649-04	BF143192.D	22 Jul 2025 16:55	RC/JU	Ok,M
18	Q2649-08	BF143193.D	22 Jul 2025 17:25	RC/JU	Ok
19	Q2649-12	BF143194.D	22 Jul 2025 17:54	RC/JU	Ok
20	Q2649-16	BF143195.D	22 Jul 2025 18:23	RC/JU	Ok
21	Q2649-20	BF143196.D	22 Jul 2025 18:53	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM
SubDirectory	BF072225	HP Acquire Method	BNA_F
		HP Processing Method	bf071725
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13168,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2649-24	BF143197.D	22 Jul 2025 19:22	RC/JU	Ok
23	Q2646-03	BF143198.D	22 Jul 2025 19:51	RC/JU	Ok
24	Q2646-03MS	BF143199.D	22 Jul 2025 20:20	RC/JU	Ok,M
25	Q2646-03MSD	BF143200.D	22 Jul 2025 20:49	RC/JU	Ok,M
26	Q2649-21	BF143201.D	22 Jul 2025 21:18	RC/JU	Ok
27	Q2649-13	BF143202.D	22 Jul 2025 21:48	RC/JU	Ok
28	Q2658-02	BF143203.D	22 Jul 2025 22:17	RC/JU	Ok
29	Q2658-01	BF143204.D	22 Jul 2025 22:46	RC/JU	Ok,M
30	Q2660-01	BF143205.D	22 Jul 2025 23:15	RC/JU	Ok
31	Q2649-17	BF143206.D	22 Jul 2025 23:43	RC/JU	Ok,M
32	Q2649-01	BF143207.D	23 Jul 2025 00:12	RC/JU	Ok,M
33	Q2660-03	BF143208.D	23 Jul 2025 00:41	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF071525

Review By	Rahul	Review On	7/16/2025 11:47:09 AM
Supervise By	Jagrut	Supervise On	7/16/2025 1:41:28 PM
SubDirectory	BF071525	HP Acquire Method	BNA_F
		HP Processing Method	Bf071525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143092.D	15 Jul 2025 12:35		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143093.D	15 Jul 2025 13:04		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143094.D	15 Jul 2025 13:35		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF143095.D	15 Jul 2025 14:05		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143096.D	15 Jul 2025 14:36	Compound#26,32,48,51,57,80,84,85 Kept on LR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF143097.D	15 Jul 2025 15:05	Compound#54,65 Kept on QR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF143098.D	15 Jul 2025 15:35		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF143099.D	15 Jul 2025 16:05		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF143100.D	15 Jul 2025 16:35		RC/JU	Ok,M
10	SSTDICV040	ICVBF071525	BF143101.D	15 Jul 2025 17:27		RC/JU	Ok,M
11	PB168737BL	PB168737BL	BF143102.D	15 Jul 2025 17:57		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM
SubDirectory	BF071625	HP Acquire Method	BNA_F
		HP Processing Method	Bf071525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143103.D	16 Jul 2025 09:06		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143104.D	16 Jul 2025 10:04		RC/JU	Ok
3	PB168787BL	PB168787BL	BF143105.D	16 Jul 2025 10:34		RC/JU	Ok
4	Q2126-02	LOQ-SOIL-02-QT2-202	BF143106.D	16 Jul 2025 11:03	LOQ-SOIL-5 PPM	RC/JU	Ok
5	Q2126-02	LOQ-SOIL-02-QT2-202	BF143107.D	16 Jul 2025 11:37	LOQ-SOIL-10 PPM	RC/JU	Ok
6	Q2126-08	LOQ-WATER-02-QT2-2	BF143108.D	16 Jul 2025 12:07	LOQ-WATER-5 PPM	RC/JU	Ok
7	Q2126-08	LOQ-WATER-02-QT2-2	BF143109.D	16 Jul 2025 12:36	LOQ-WATER-10 PPM	RC/JU	Ok
8	Q2126-01	LOD-MDL-SOIL-03-QT	BF143110.D	16 Jul 2025 13:05	LOD-MDL-SOIL-4 PPM	RC/JU	Ok
9	Q2126-01	LOD-MDL-SOIL-03-QT	BF143111.D	16 Jul 2025 13:35	LOD-MDL-SOIL-8 PPM	RC/JU	Ok
10	Q2126-07	LOD-MDL-WATER-01-0	BF143112.D	16 Jul 2025 14:05	LOD-MDL-WATER-4 PPM	RC/JU	Ok
11	Q2126-07	LOD-MDL-WATER-01-0	BF143113.D	16 Jul 2025 14:35	LOD-MDL-WATER-8 PPM	RC/JU	Ok
12	PB168802BL	PB168802BL	BF143114.D	16 Jul 2025 15:13		RC/JU	Ok
13	SSTDCCC040	SSTDCCC040EC	BF143115.D	16 Jul 2025 15:45		RC/JU	Ok,M
14	DFTPP	DFTPP	BF143116.D	16 Jul 2025 19:09		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF143117.D	16 Jul 2025 19:39		RC/JU	Ok
16	PB168854BL	PB168854BL	BF143118.D	16 Jul 2025 20:09		RC/JU	Ok
17	PB168854BS	PB168854BS	BF143119.D	16 Jul 2025 20:39		RC/JU	Ok,M
18	PB168847TB	PB168847TB	BF143120.D	16 Jul 2025 21:09		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM		
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM		
SubDirectory	BF071625	HP Acquire Method	BNA_F	HP Processing Method	Bf071525
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S12674,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2592-02	WC-SOIL-20250711	BF143121.D	16 Jul 2025 21:39		RC/JU	Ok
20	Q2592-02MS	WC-SOIL-20250711MS	BF143122.D	16 Jul 2025 22:09		RC/JU	Ok,M
21	Q2592-02MSD	WC-SOIL-20250711MS	BF143123.D	16 Jul 2025 22:38		RC/JU	Ok,M
22	Q2600-02	TRENCH	BF143124.D	16 Jul 2025 23:08		RC/JU	Ok
23	Q2600-06	STOCK-PILE	BF143125.D	16 Jul 2025 23:37		RC/JU	Ok
24	Q2600-10	END-OF-TRENCH	BF143126.D	17 Jul 2025 00:07		RC/JU	Ok,M
25	Q2614-06	HR-MCN-COMP-01	BF143127.D	17 Jul 2025 00:37		RC/JU	Ok
26	Q2605-03	VB15061	BF143128.D	17 Jul 2025 01:05		RC/JU	Ok
27	Q2605-04	V897	BF143129.D	17 Jul 2025 01:35		RC/JU	Ok
28	Q2571-05	TP-17	BF143130.D	17 Jul 2025 02:04		RC/JU	Ok
29	Q2571-05MS	TP-17MS	BF143131.D	17 Jul 2025 02:34		RC/JU	Ok
30	Q2571-05MSD	TP-17MSD	BF143132.D	17 Jul 2025 03:03		RC/JU	Ok
31	Q2555-01	OU4-TS-29-070925	BF143133.D	17 Jul 2025 03:32		RC/JU	Ok,M
32	Q2558-01	OU4-TS-Denali-070925	BF143134.D	17 Jul 2025 04:02		RC/JU	Ok,M
33	Q2555-03	OU4-TS-30-070925	BF143135.D	17 Jul 2025 04:31		RC/JU	Ok,M
34	Q2558-03	OU4-TS-Grillo-OG-070925	BF143136.D	17 Jul 2025 05:00		RC/JU	Ok,M
35	SSTDCCC040	SSTDCCC040EC	BF143137.D	17 Jul 2025 05:30		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM
SubDirectory	BF071725	HP Acquire Method	BNA_F
		HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143138.D	17 Jul 2025 09:58		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF143141.D	17 Jul 2025 11:34		RC/JU	Ok,M
5	SSTDICC010	SSTDICC010	BF143142.D	17 Jul 2025 12:04		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF143143.D	17 Jul 2025 12:34		RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	Compound #32,54,65 Kept on LR	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF143145.D	17 Jul 2025 13:33		RC/JU	Ok,M
9	SSTDICC060	SSTDICC060	BF143146.D	17 Jul 2025 14:04		RC/JU	Ok,M
10	SSTDICC080	SSTDICC080	BF143147.D	17 Jul 2025 14:34	Compound#77 removed from 80 ppm	RC/JU	Ok,M
11	SSTDICV040	ICVBF071725	BF143148.D	17 Jul 2025 15:06		RC/JU	Ok,M
12	PB168813BL	PB168813BL	BF143149.D	17 Jul 2025 15:36		RC/JU	Ok
13	Q2126-03	MDL-SOIL-03-QT2-202	BF143150.D	17 Jul 2025 16:06	MDL-SOIL 4 ppm	RC/JU	Ok,M
14	Q2126-03	MDL-SOIL-03-QT2-202	BF143151.D	17 Jul 2025 16:36	MDL-SOIL 8 ppm	RC/JU	Ok,M
15	Q2126-09	MDL-WATER-03-QT2-2	BF143152.D	17 Jul 2025 17:07	MDL-WATER 4 ppm	RC/JU	Ok,M
16	Q2126-09	MDL-WATER-03-QT2-2	BF143153.D	17 Jul 2025 17:37	MDL-WATER 8 ppm	RC/JU	Ok,M
17	PB168816BL	PB168816BL	BF143154.D	17 Jul 2025 18:07		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM		
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM		
SubDirectory	BF071725	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB167904BL	PB167904BL	BF143155.D	17 Jul 2025 18:37		RC/JU	Ok
19	PB167904BS	PB167904BS	BF143156.D	17 Jul 2025 19:07		RC/JU	Ok,M
20	SSTDCCC040	SSTDCCC040EC	BF143157.D	17 Jul 2025 19:37		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM
SubDirectory	BF072225	HP Acquire Method	BNA_F
		HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143176.D	22 Jul 2025 07:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143177.D	22 Jul 2025 08:46		RC/JU	Ok
3	PB168929BL	PB168929BL	BF143178.D	22 Jul 2025 09:15		RC/JU	Ok
4	PB168813BS	PB168813BS	BF143179.D	22 Jul 2025 09:44		RC/JU	Ok,M
5	Q2635-01MS	RT2286MS	BF143180.D	22 Jul 2025 10:26		RC/JU	Ok,M
6	Q2635-01MSD	RT2286MSD	BF143181.D	22 Jul 2025 10:55		RC/JU	Ok,M
7	Q2638-01	OU4-TS-31-071725	BF143182.D	22 Jul 2025 11:25		RC/JU	Ok,M
8	Q2638-03	OU4-TS-32-071725	BF143183.D	22 Jul 2025 11:54		RC/JU	Ok,M
9	Q2638-05	OU4-TS-33-071725	BF143184.D	22 Jul 2025 12:23		RC/JU	Ok,M
10	Q2638-07	OU4-TS-34-071725	BF143185.D	22 Jul 2025 12:52	Surrogate Fail	RC/JU	ReRun
11	Q2638-09	OU4-TS-35-071725	BF143186.D	22 Jul 2025 13:21		RC/JU	Ok,M
12	SSTDCCC040	SSTDCCC040EC	BF143187.D	22 Jul 2025 13:55		RC/JU	Ok
13	DFTPP	DFTPP	BF143188.D	22 Jul 2025 14:54		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF143189.D	22 Jul 2025 15:23		RC/JU	Ok
15	PB168954BL	PB168954BL	BF143190.D	22 Jul 2025 15:52		RC/JU	Ok
16	Q2641-02	P001-CONCRETE001	BF143191.D	22 Jul 2025 16:26		RC/JU	Ok
17	Q2649-04	WC-1	BF143192.D	22 Jul 2025 16:55		RC/JU	Ok,M
18	Q2649-08	WC-2	BF143193.D	22 Jul 2025 17:25		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM		
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM		
SubDirectory	BF072225	HP Acquire Method	BNA_F	HP Processing Method	bf071725
STD. NAME		STD REF.#			
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S13168,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2649-12	WC-3	BF143194.D	22 Jul 2025 17:54		RC/JU	Ok
20	Q2649-16	WC-4	BF143195.D	22 Jul 2025 18:23		RC/JU	Ok
21	Q2649-20	WC-5	BF143196.D	22 Jul 2025 18:53		RC/JU	Ok
22	Q2649-24	WC-6	BF143197.D	22 Jul 2025 19:22		RC/JU	Ok
23	Q2646-03	FRAC TANK	BF143198.D	22 Jul 2025 19:51	Internal standard fail.	RC/JU	Ok
24	Q2646-03MS	FRAC TANKMS	BF143199.D	22 Jul 2025 20:20		RC/JU	Ok,M
25	Q2646-03MSD	FRAC TANKMSD	BF143200.D	22 Jul 2025 20:49		RC/JU	Ok,M
26	Q2649-21	WC-6	BF143201.D	22 Jul 2025 21:18		RC/JU	Ok
27	Q2649-13	WC-4	BF143202.D	22 Jul 2025 21:48		RC/JU	Ok
28	Q2658-02	PAD-072125-2	BF143203.D	22 Jul 2025 22:17		RC/JU	Ok
29	Q2658-01	PAD-072125-1	BF143204.D	22 Jul 2025 22:46	Internal standard fail.	RC/JU	Ok,M
30	Q2660-01	MOO-25-0205	BF143205.D	22 Jul 2025 23:15	Internal standard fail.	RC/JU	Ok
31	Q2649-17	WC-5	BF143206.D	22 Jul 2025 23:43		RC/JU	Ok,M
32	Q2649-01	WC-1	BF143207.D	23 Jul 2025 00:12		RC/JU	Ok,M
33	Q2660-03	MOO-25-0218	BF143208.D	23 Jul 2025 00:41	Internal standard fail	RC/JU	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136427

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
Q2550-02	VNJ-203	1	1.13	10.33	11.46	10.67	92.4	
Q2550-03	VNJ-203-E2	2	1.16	10.18	11.34	10.36	90.4	
Q2555-01	OU4-TS-29-070925	3	1.18	10.34	11.52	8.84	74.1	
Q2555-03	OU4-TS-30-070925	4	1.14	10.85	11.99	9.45	76.6	
Q2556-01	RT3997	5	1.16	10.62	11.78	10.4	87.0	
Q2557-01	OILY SPILL DEBRIS	6	1.00	1.00	2.00	2.00	100.0	debris
Q2558-01	OU4-TS-Denali-070925	7	1.15	10.60	11.75	9.59	79.6	
Q2558-03	OU4-TS-Grillo-OG-070925	8	1.19	10.63	11.82	9.56	78.7	
Q2559-01	500-3B CONCRETE CHIP	9	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2559-02	500-3B CONCRETE CHIP-EPH	10	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2560-01	LP-7102025	11	1.14	9.97	11.11	9.53	84.2	
Q2560-02	LP-7102025-EPH-2	12	1.19	10.36	11.55	10.07	85.7	
Q2560-03	LP-7102025-VOC	13	1.13	10.68	11.81	10.11	84.1	
Q2561-03	AUD-25-0115-0116	14	1.14	10.21	11.35	11.07	97.3	
Q2561-04	AUD-25-0067	15	1.17	10.34	11.51	10.88	93.9	
Q2561-05	AUD-25-0117	16	1.15	10.84	11.99	11.85	98.7	
Q2564-01	ARS20-0030	17	1.18	10.66	11.84	11.32	95.1	
Q2564-02	ARS20-0030-E2	18	1.19	10.47	11.66	11.00	93.7	
Q2564-03	ARS20-0013	19	1.13	10.70	11.83	10.87	91.0	
Q2564-04	ARS20-0013-E2	20	1.15	10.81	11.96	10.82	89.5	
Q2564-05	ARS20-0039	21	1.14	10.39	11.53	10.2	87.2	
Q2564-06	ARS20-0039-E2	22	1.13	10.64	11.77	11.09	93.6	
Q2565-02	MOO-25-0194-0195	23	1.14	10.11	11.25	9.82	85.9	
Q2565-03	MOO-25-0191	24	1.00	1.00	2.00	2.00	100.0	debris
Q2565-04	MOO-25-0196	25	1.19	10.56	11.75	9.2	75.9	
Q2565-05	MOO-25-0180	26	1.13	10.69	11.82	11.4	96.1	
Q2571-01	TP-18	27	1.15	10.82	11.97	11.71	97.6	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136427

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
Q2571-02	TP-18 EPH	28	1.14	10.85	11.99	11.44	94.9	
Q2571-03	TP-18 VOC	29	1.18	10.59	11.77	10.45	87.5	
Q2571-05	TP-17	30	1.15	10.88	12.03	10.72	88.0	
Q2571-06	TP-17-EPH	31	1.15	11.16	12.31	11.1	89.2	
Q2571-07	TP-17-VOC	32	1.14	10.85	11.99	10.9	90.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

20236427

WorkList Name : %1-071025 WorkList ID : 190631 Department : Wet-Chemistry Date : 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2550-02	VNU-203	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2550-03	VNU-203-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2555-01	OU4-TS-29-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2555-03	OU4-TS-30-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2556-01	RT3997	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/10/2025	Chemtech -SO
Q2557-01	OILY SPILL DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2558-01	OU4-TS-Denali-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2559-01	500-3B CONCRETE CHIP	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2559-02	500-3B CONCRETE CHIP-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2560-01	LP-7102025	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2560-02	LP-7102025-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2560-03	LP-7102025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-03	AUD-25-0115-0116	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-04	AUD-25-0067	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-05	AUD-25-0117	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2564-01	ARS20-0030	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-02	ARS20-0030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-03	ARS20-0013	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-04	ARS20-0013-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-05	ARS20-0039	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 15:10 Date/Time 07/10/25 17:20
 Raw Sample Received by: [Signature] Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature] Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136427

WorkList Name : %1-071025 WorkList ID : 190631 Department : Wet-Chemistry Date : 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2564-06	ARS20-0039-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2565-02	MOO-25-0194-0195	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-03	MOO-25-0191	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-04	MOO-25-0196	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-05	MOO-25-0180	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2571-01	TP-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-02	TP-18 EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-03	TP-18 VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-05	TP-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-06	TP-17-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-07	TP-17-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 15:10
 Raw Sample Received by: SP WOC
 Raw Sample Relinquished by: SP WOC

Date/Time 07/10/25 17:20
 Raw Sample Received by: SP WOC
 Raw Sample Relinquished by: SP WOC

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix: Solid

Weight By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 07/11/2025

Extraction Start Time: 09:50

Extraction End Date: 07/11/2025

Extraction End Time: 13:15

Concentration By: EH

Supervisor By: RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
MDL	1.0ML	N/A 4 ppm	SP6816
MDL	1.0ML	N/A 8 ppm	SP6818
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2624
Sand	N/A	E3951
Methylene Chloride	N/A	E3943
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, Q2565-03,04,05 used Limited volume as samples are Oily Debris & small particles.

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
7/11/25	RJ (Ext-Lab)	Rc/svoc
13:20	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 07/11/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168813BL	SBLK813	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB168813BS	SLCS813	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q2126-03	MDL-SOIL-03-QT2-2025 4 PPM	SVOC-Chemtec h Full -25	30.02	N/A	ritesh	Evelyn	1			3
Q2555-01	OU4-TS-29-070925	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		4
Q2555-03	OU4-TS-30-070925	SVOCMS Group3	30.08	N/A	ritesh	Evelyn	1	E		5
Q2558-01	OU4-TS-DENALI-070925	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		6
Q2558-03	OU4-TS-GRILLO-OG-0709 25	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	E		U1-1
Q2559-01	500-3B CONCRETE CHIP	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E	Concrete	2
Q2560-01	LP-7102025	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		3
Q2564-01	ARS20-0030	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		4
Q2564-03	ARS20-0013	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		5
Q2564-05	ARS20-0039	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	E		6
Q2565-02	MOO-25-0194-0195	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		U2-1
Q2565-03	MOO-25-0191	SVOC-TCL BNA -20	5.06	N/A	ritesh	Evelyn	1	E	Oily Debris	2
Q2565-04	MOO-25-0196	SVOC-TCL BNA -20	5.02	N/A	ritesh	Evelyn	1	E	Oily Debris + Small Particle	3
Q2565-05	MOO-25-0180	SVOC-TCL BNA -20	10.01	N/A	ritesh	Evelyn	1	E	Small Particle	4
Q2571-01	TP-18	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		5
Q2571-05	TP-17	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		6
Q2571-05MS	TP-17MS	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		U3-1
Q2571-05MS D	TP-17MSD	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		2
Q2126-03	MDL-SOIL- 8 PPM	1	30.04	1	1	1	1			3

108812
9-50

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2565 WorkList ID : 190663 Department : Extraction Date : 07-11-2025 08:42:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2126-03	MDL-SOIL-03-QT2-2025	Solid	SVOC-Chemtech Full -25	Cool 4 deg C	ALLI03	QA 01	05/23/2025	8270E
Q2555-01	OU4-TS-29-070925	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/09/2025	8270E
Q2555-03	OU4-TS-30-070925	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/09/2025	8270E
Q2558-01	OU4-TS-Denali-070925	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/09/2025	8270E
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/09/2025	8270E
Q2559-01	500-3B CONCRETE CHIP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O31	07/10/2025	8270E
Q2560-01	LP-7102025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03		07/10/2025	8270E
Q2564-01	ARS20-0030	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O22	07/10/2025	8270E
Q2564-03	ARS20-0013	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O22	07/10/2025	8270E
Q2564-05	ARS20-0039	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O22	07/10/2025	8270E
Q2565-02	MOO-25-0194-0195	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O11	07/10/2025	8270E
Q2565-03	MOO-25-0191	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O11	07/10/2025	8270E
Q2565-04	MOO-25-0196	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O11	07/10/2025	8270E
Q2565-05	MOO-25-0180	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O11	07/10/2025	8270E
Q2571-01	TP-18	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O22	07/10/2025	8270E
Q2571-05	TP-17	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03		07/10/2025	8270E

Date/Time 07/11/25 9:45
Raw Sample Received by: RJC(Ext 106)
Raw Sample Relinquished by: CJR

Date/Time 07/11/25 10:15
Raw Sample Received by: CJR
Raw Sample Relinquished by: RJC(Ext 106)

Prep Standard - Chemical Standard Summary

Order ID : Q2558

Test : SVOCMS Group3

Prepbatch ID : PB168813,

Sequence ID/Qc Batch ID: BF071625,BF071625,BF071725,BF071725,BF072225,

Standard ID :

EP2612,EP2624,SP6757,SP6769,SP6770,SP6815,SP6816,SP6818,SP6832,SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840,SP6849,SP6852,

Chemical ID :

10ul/1000ul

sample,E3551,E3904,E3926,E3930,E3932,E3939,E3942,E3943,E3946,E3951,S10105,S11484,S11496,S11651,S11788,S11801,S11802,S11805,S11806,S11807,S12115,S12195,S12196,S12197,S12198,S12216,S12217,S12218,S12219,S12220,S12272,S12277,S12278,S12486,S12498,S12499,S12500,S12501,S12502,S12503,S12504,S12505,S12506,S12507,S12534,S12545,S12546,S12547,S12548,S12549,S12550,S12551,S12552,S12577,S12658,S12670,S12674,S12974,S12983,S12987,S12988,S12989,S12990,S12991,S12992,S13057,S13078,S13088,S13089,S13148,S13158,S13159,S13168,S13206,S13208,S13209,S13210,S13211,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2612	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel
05/09/2025								

FROM 8000.00000ml of E3930 + 8000.00000ml of E3932 = Final Quantity: 16000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2624	06/26/2025	12/04/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2	None	Riteshkumar Patel
(EX-SC-2)								

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay
								04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
18	Second Source Calibration Stock Standard, 100 PPM,	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani
	(8270/625/CLP)							04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 +
0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani
								04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1366	LOQ & LOD 20 PPM	SP6815	06/12/2025	09/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/08/2025

FROM 0.20000ml of S11806 + 0.40000ml of S12498 + 0.40000ml of S12545 + 0.40000ml of S12983 + 18.60000ml of E3939 = Final Quantity: 20.000 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2082	LOQ & LOD 4 PPM	SP6816	06/12/2025	09/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 16.00000ml of E3939 + 4.00000ml of SP6815 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2081	LOQ & LOD 8 PPM	SP6818	06/12/2025	09/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 4.80000ml of E3939 + 3.20000ml of SP6815 = Final Quantity: 8.000 ml

[illegible]

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4179	80 ng BNA ICC	SP6833	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025
<u>FROM</u>	0.01000ml of S12670 + 0.20000ml of E3942 + 0.80000ml of SP6832 = Final Quantity: 1.010 ml							

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4180	60 ng BNA ICC	SP6834	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.40000ml of E3942 + 0.60000ml of SP6832 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4181	50 ng BNA ICC	SP6835	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6832 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4182	40 ng BNA ICC	SP6836	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.60000ml of E3942 + 0.40000ml of SP6832 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4183	20 ng BNA ICC	SP6837	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.80000ml of E3942 + 0.20000ml of SP6832 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4184	10 ng BNA ICC	SP6838	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.90000ml of E3942 + 0.10000ml of SP6832 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4185	5 ng BNA ICC	SP6839	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.95000ml of E3942 + 0.05000ml of SP6832 = Final Quantity: 1.010 ml

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4186	2.5 ng BNA ICC	SP6840	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli
								07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6839 = Final Quantity: 1.010 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
171	8270/625 Spike Solution, 50/100 PPM	SP6849	07/01/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay
								07/01/2025

FROM 0.10000ml of S12507 + 0.10000ml of S13159 + 0.30000ml of S13158 + 0.40000ml of S11484 + 0.40000ml of S11651 + 0.40000ml of S11806 + 0.40000ml of S11807 + 0.40000ml of S13148 + 0.40000ml of S13206 + 0.60000ml of S13089 + 0.80000ml of S12499 + 0.90000ml of S12552 + 1.20000ml of S12504 + 1.20000ml of S12506 + 1.20000ml of S12546 + 1.30000ml of S11802 + 1.30000ml of S12501 + 1.30000ml of S12503 + 1.30000ml of S12505 + 1.30000ml of S12545 + 1.30000ml of S12547 + 1.30000ml of S12549 + 1.30000ml of S12550 + 1.30000ml of S12551 + 1.30000ml of S12988 + 1.30000ml of S12989 + 1.30000ml of S12990 + 1.30000ml of S12992 + 1.40000ml of S11805 + 1.40000ml of S12500 + 1.40000ml of S12502 + 1.40000ml of S12548 + 1.40000ml of S12987 + 1.40000ml of S12991 + 1.40000ml of S13088 + 1.50000ml of S11801 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

[illegible]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 / RUPESH	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	11/22/2025	05/22/2025 / RUPESH	02/28/2025 / RUPESH	E3939

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3942

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3943

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	07/01/2025 / RUPESH	06/19/2025 / RUPESH	E3946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	12/19/2025	06/19/2025 / Jagrut	12/09/2021 / Christian	S10105

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/01/2026	07/01/2025 / Rahul	11/09/2023 / Yogesh	S11651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11805

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml, methanol, 5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml, methanol, 5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml, methanol, 5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12198

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12217

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12218

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12219

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	12/03/2025	06/03/2025 / Jagrut	05/24/2024 / Rahul	S12272

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	11/05/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	12/19/2025	06/19/2025 / Jagrut	05/24/2024 / Rahul	S12278

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12498

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12499

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12500

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12501

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12502

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12503

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12504

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12505

[CS 4978-1]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12506

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

[CS 4978-1]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12545

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12546

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12547

[CS 4978-2]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12548

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12549

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12550

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12551

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at \$85 per ampul if requested - contact ARM with Request]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH ₂ Cl ₂ , 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0212266	12/16/2025	06/16/2025 / anahy	09/20/2024 / anahy	S12670

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0212266	01/15/2026	07/15/2025 / Rahul	09/20/2024 / anahy	S12674

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12983

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12987

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12988

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12989

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12990

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12991

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12992

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	531243	12/19/2025	06/19/2025 / Jagrut	01/16/2025 / anahy	S13057

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13088

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13089

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	12/03/2025	06/03/2025 / Jagrut	11/13/2023 / Rahul	S13148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	12/04/2025	06/04/2025 / Jagrut	06/04/2025 / Rahul	S13158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	01/01/2026	07/01/2025 / Rahul	06/04/2025 / Rahul	S13159

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0224359	01/22/2026	07/22/2025 / Rahul	06/02/2025 / anahy	S13168

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	01/01/2026	07/01/2025 / Rahul	06/11/2025 / anahy	S13206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70434 / Acetophenone, Single compound solution, 1000 PPM	121622	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91126 / Benzoic acid 2000 ug/mL	060625	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90495 / 1,1-Biphenyl 2000 ug/mL	042325	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13210

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	34571 / 1,2,4,5-Tetrachlorobenzene 5000 ug/mL	092324	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13211



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.: Lot No.: **Storage:** **Solvent:** **Exp. Date:** **Description:**
Z-112090 440246 $\leq -10^{\circ}\text{C}$ Methylene Chloride 2/16/2026 CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL
-04

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d ₄	93951-73-6	99.3	248.12.7P	7487 $\pm$ 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 $\pm$ 17.26
phenol-d ₆	13127-88-3	99.9	949.120.8P	7481 $\pm$ 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 $\pm$ 17.17

Received on

02/25/21

by
CG

S9236
to

S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certified By: _____

Erica Castiglione
Chemist



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 ppm
Titration Acid (μ eq/g)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	<0.01%

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

 **avantor™**



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date: 2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μ eq/g)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3939

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date: 2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3942

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™



Material No.: 9266-A4

Batch No.: 25A2862010

Manufactured Date: 2024-12-18

Expiration Date: 2026-03-19

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μ eq/g)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 ppm	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<0.01 %

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3942

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RS 6/19/25

E3946

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700



Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO ₂
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard
Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

51148h
↓
511493
Y.P.
08/10/28

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%


Tom Suckal - Mix Technician

Date Mixed: 02-Aug-2023

Balance: 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d ₄	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 } Y.P.
↓
511498 } 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard
Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649
↓
511658 } Y.P.
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023

Balance: B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

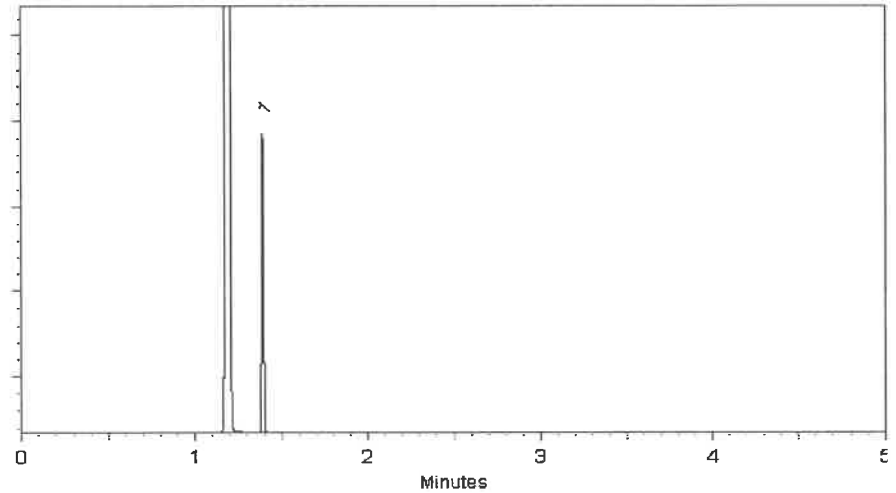
FID

Split Vent:

100 mL/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

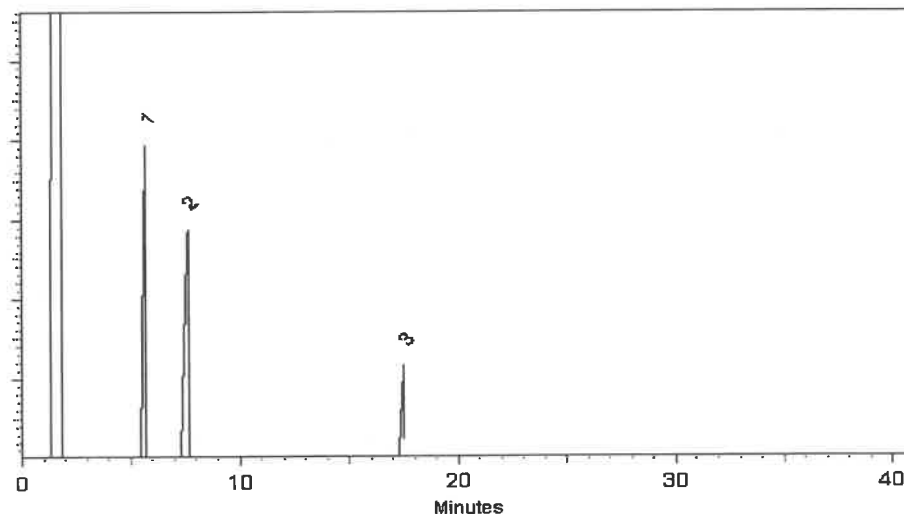
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

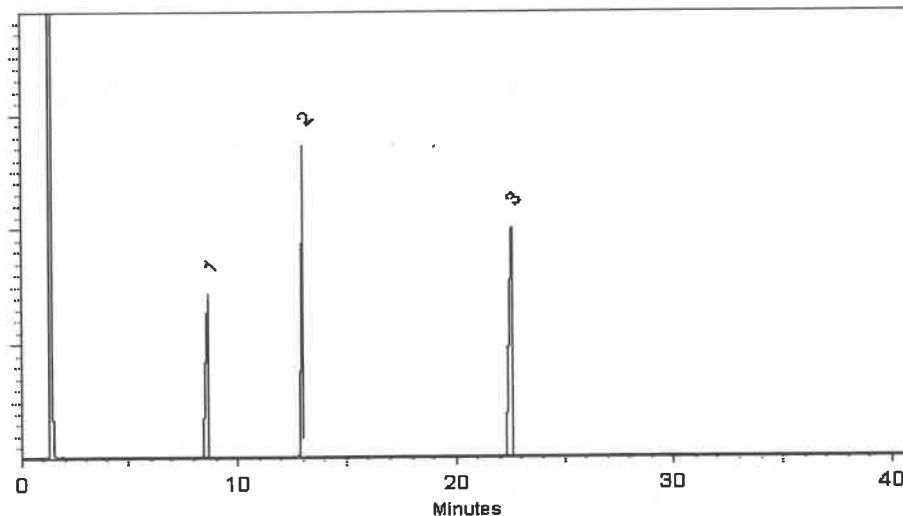
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 4

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

*Not a certified value

512270 } RC/
↓
512274 } 05/24/24

Kerry Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.

Certificate of Analysis

Page 2 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Kerry Kane

Certified By:

Kerry Kane
Chemist

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Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Page 3 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Kerry Kane

Certified By:

Kerry Kane
Chemist

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Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Page 4 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value



Certified By: _____

Kerry Kane
Chemist

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Santa Rosa, CA 95403

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(707)545-7901 Fax

Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received: _____

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Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

512275 } RC/
↓
512279 } 05/24/24

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

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Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

512275 } RC/
↓
512279 } 05/24/24

*Not a certified value

Certified By: _____

S. Hunter

Scott Hunter
Chemist

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Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

Balance: 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24


Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955
Description : GC/MS Tuning Mixture
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2027 **Storage:** 10°C or colder
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 } RC
↓
S12579 } 8/2/24

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

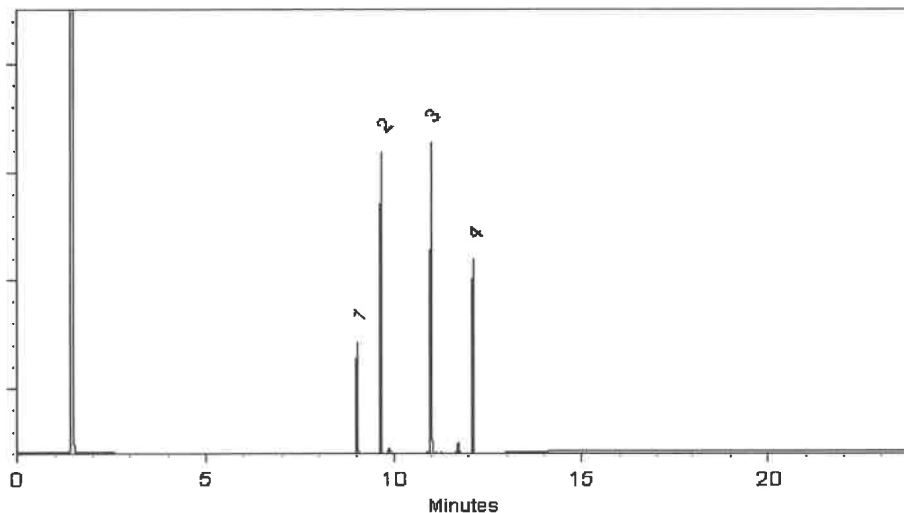
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl

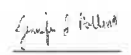


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645
↓
S12674 } AC
10/1/24



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
↓
S12992 } AC
12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCKK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCKK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard
Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

513158 } RC/
↓
513167 } 6/4/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025

Balance: C322230531

REVIEWED
By: [Signature] Murphy at 11:21 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13168
↓
S13197 } AC
6/9/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555868 **Lot No.:** A0226493

Description : Custom Benzidine Standard
Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

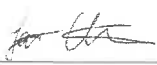
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

S13198
↓
S13207 } AC
6/11/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%


Laith Clemente - Operations Technician I

Date Mixed: 09-Jun-2025

Balance: 1122030677



Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **70434**
Lot Number: **121622**
Description: **Acetophenone**

Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

Expiration Date: **121627**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0** **5E-05** Balance Uncertainty

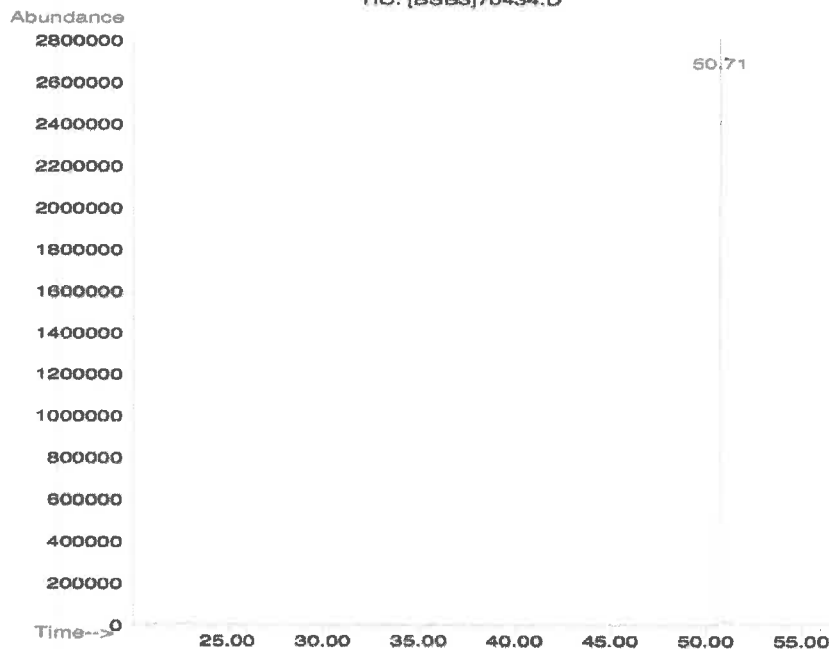
0.001 Flask Uncertainty

		121622
Formulated By:	Benson Chan	DATE
		121622
Reviewed By:	Pedro L. Rentas	DATE

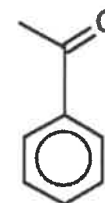
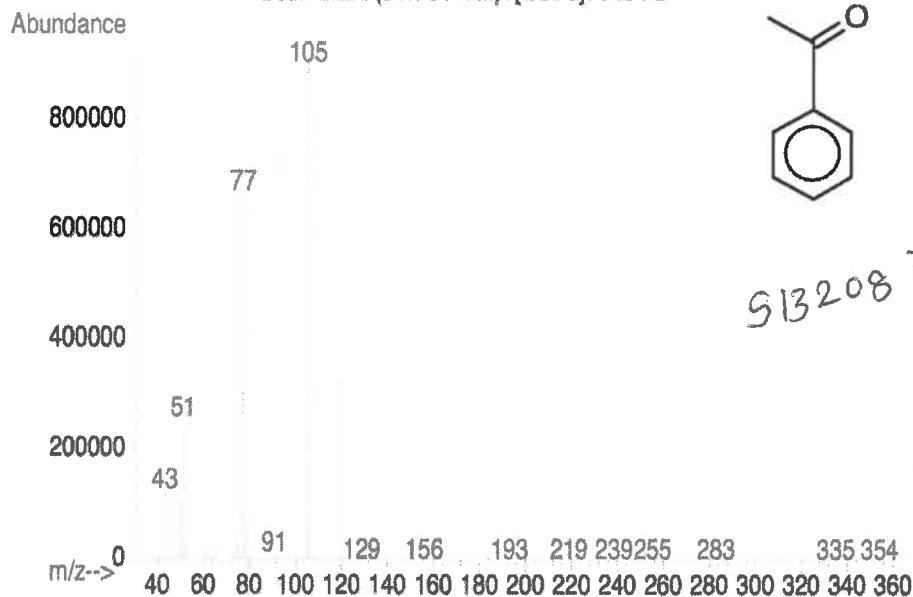
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acetophenone	434	04511JX	1000	99	0.2	0.05055	0.05075	1004.0	4.5	98-86-2	N/A	ori-rat 815mg/kg

Method: GC6MSD-1. Detector: MSD. Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Candice Warren. Solvent delay = 25 minutes.

TIC: [BSB3]70434.D



Scan 2222 (50.704 min): [BSB3]70434.D



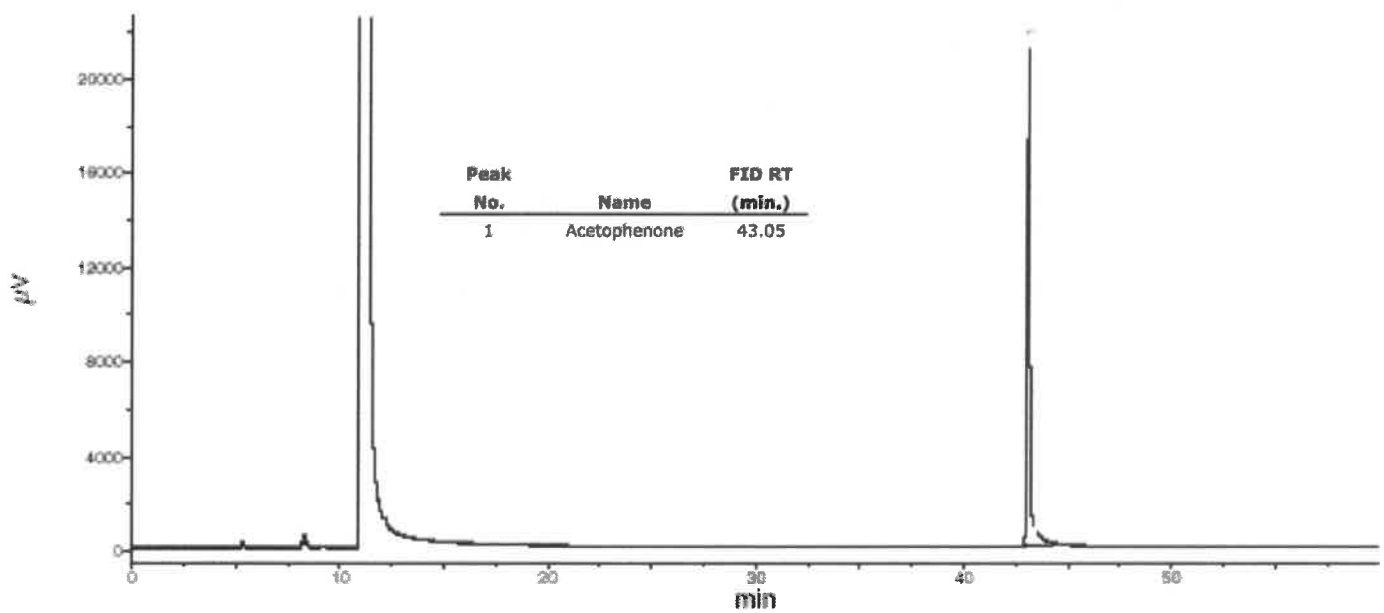
5132083 Rel
6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Comments

GC13-M1 Analysis by Melissa Stonier
Column ID SPB-Vocool 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: **91126**
Lot Number: **060625**
Description: **Benzoic acid**

Solvent(s):
Methylene chloride
Lot#
23343

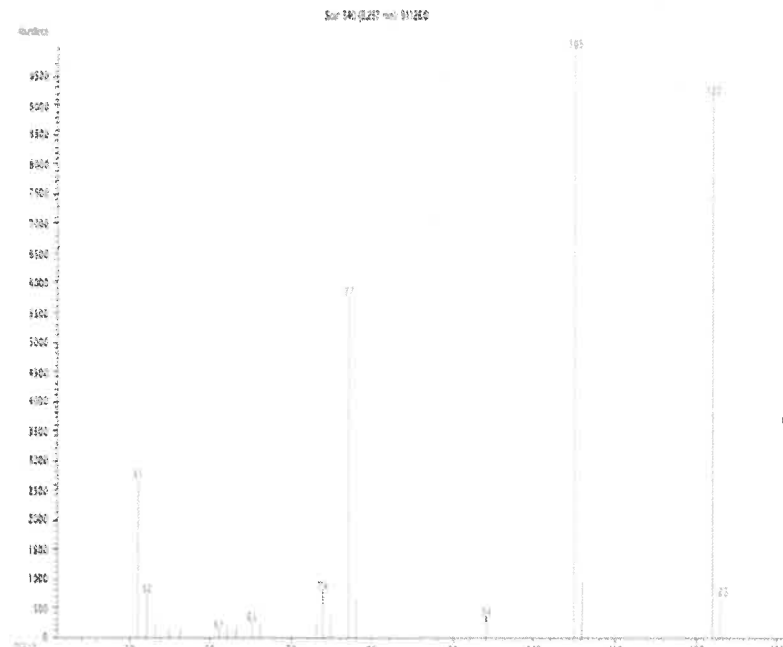
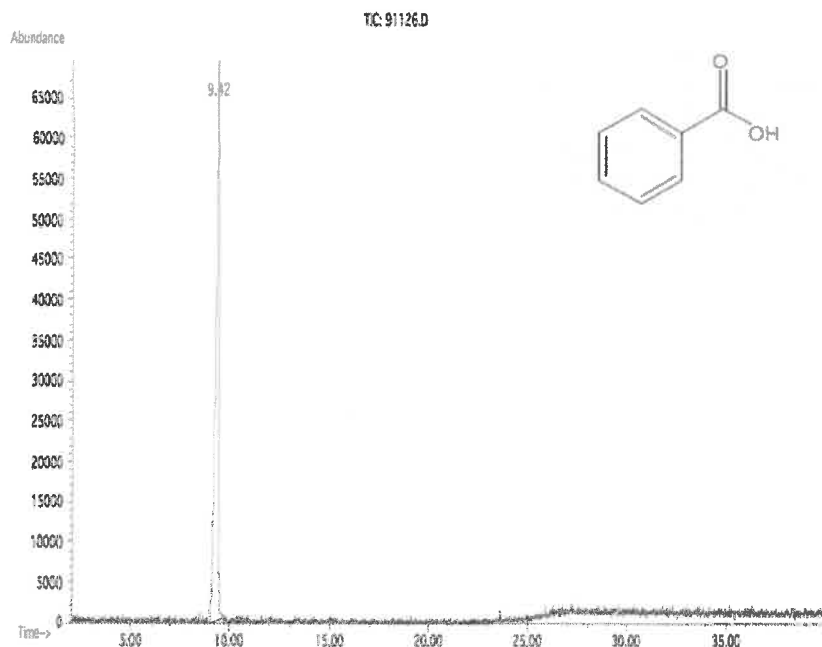
Expiration Date: **060630**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **2000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **100.0**
5E-05 Balance Uncertainty
0.031 Flask Uncertainty

<i>Anthony Mahoney</i>		060625
Formulated By:	Anthony Mahoney	DATE
<i>Pedro L. Rentas</i>		060625
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Benzoic acid	34	11930AW	2000.0	99	0.2	0.20211	0.20227	2001.6	8.2	65-85-0	N/A	ori-rat 1700mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C. Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier.



513209 } RC
6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 - Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
 - Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 - All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 - Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
- Rev 1.0, 2/25/2025



CERTIFIED WEIGHT REPORT

Part Number: **34571**
Lot Number: **092324**
Description: **1,2,4,5-Tetrachlorobenzene**

Solvent(s):
Methanol
Lot#: **EI863-US**

Expiration Date: **092334**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **5000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **25.0**
5E-05 Balance Uncertainty
0.004 Flask Uncertainty

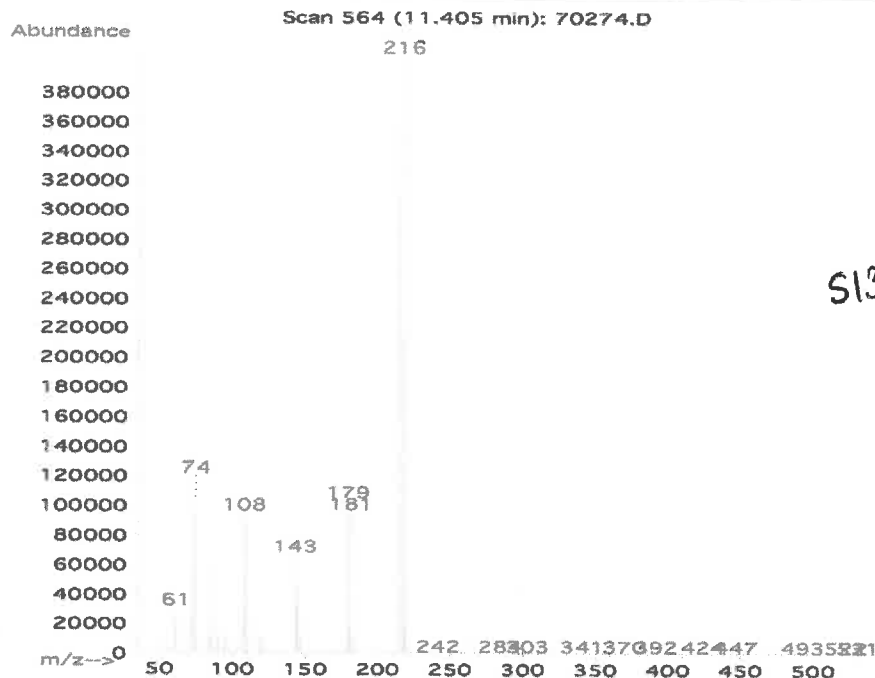
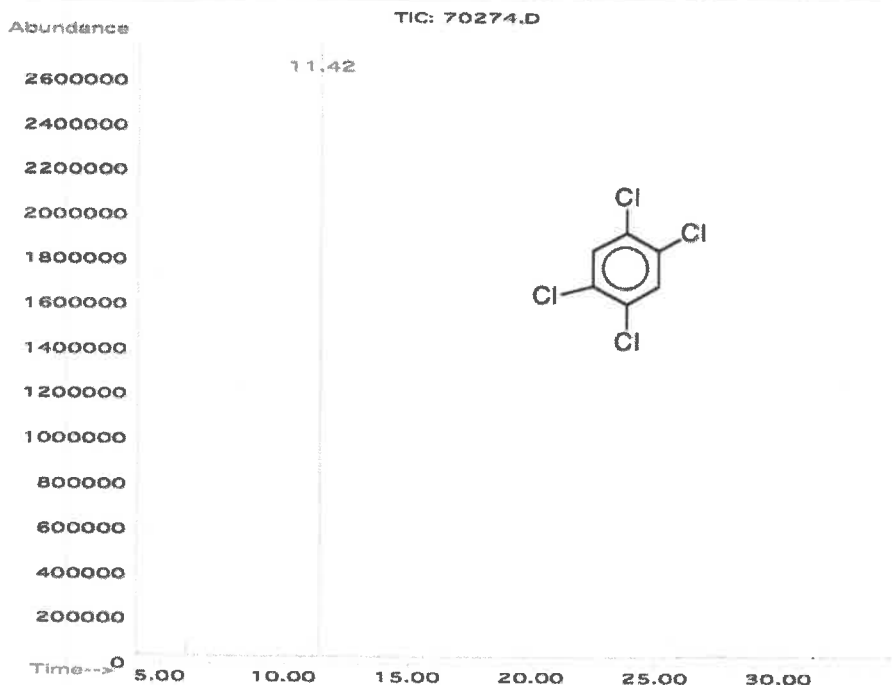
CAUTION: Sonicate Before Use

Lawrence Barry
Formulated By: **Lawrence Barry** DATE **092324**
Pedro L. Rentas
Reviewed By: **Pedro L. Rentas** DATE **092324**

Expanded
SDS Information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. 1,2,4,5-Tetrachlorobenzene	274	10408AS	5000	98	0.20	0.12761	0.12765	5001.4	20.8	95-94-3	N/A	orl-rat 1500mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

5132113 RC
6/19/25.

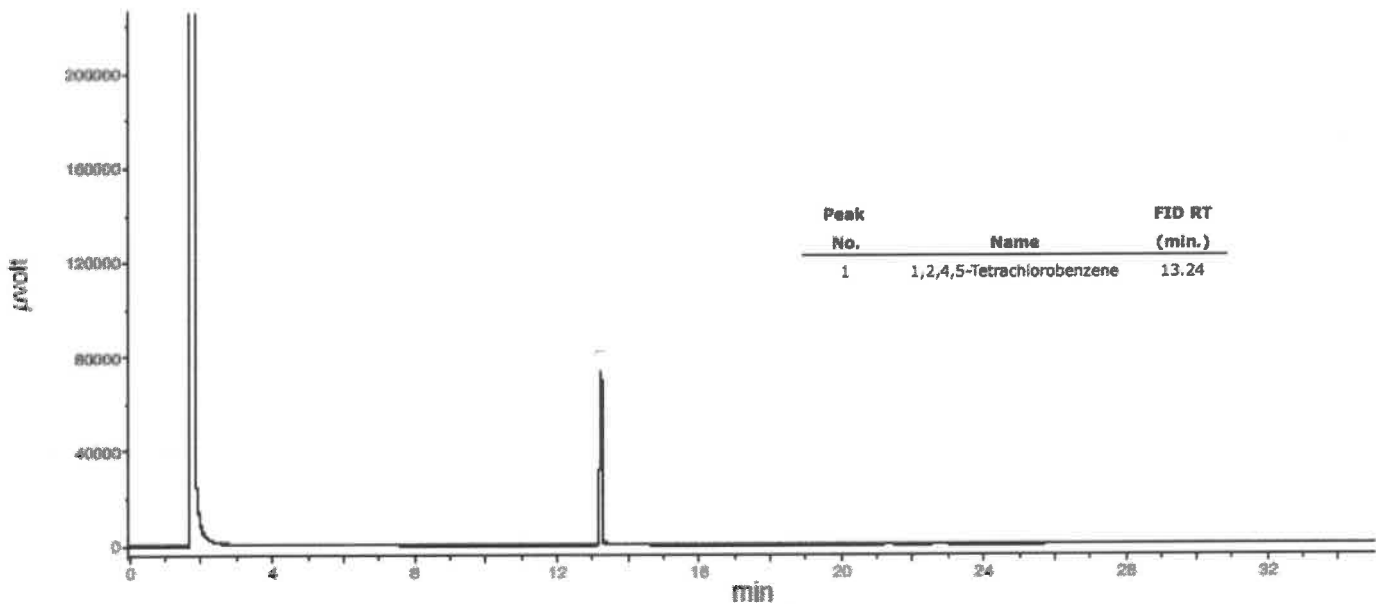


Run 31, "P34571 L092324 [5000µg/mL in MeOH]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Fri, Jan 3, 2025 at 11:24:40 AM.
Sampled: Sequence "010225-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness
Flow rates: Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDAQ Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 7





110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702
Description : Custom Hexachlorocyclopentadiene Standard
Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : September 30, 2026 **Storage:** 10°C or colder
Ship: Ambient

513148 } RC
↓
513157 } 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%


Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023

Balance: B707717271

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



SHIPPING DOCUMENTS

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2558	NOBI03	Order Date : 7/10/2025 11:16:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 7/10/2025 10:00:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2558-01	OU4-TS-Denali-070925	Solid	07/09/2025	11:15					
					VOCMS Group3		8260D		10 Bus. Days 5
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	07/09/2025	11:30					
					VOCMS Group3		8260D		10 Bus. Days 5

Relinquished By : al

Date / Time : 7/10/25 1305

Received By : Sam

Date / Time : 07/10/25

Storage Area : VOA Refridgerator Room

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143094.D
 Acq On : 15 Jul 2025 13:35
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jul 15 17:37:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	119528	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	456442	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	230973	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	382578	20.000	ng	0.00
76) Chrysene-d12	14.127	240	212909	20.000	ng	0.00
86) Perylene-d12	15.633	264	174154	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	79738	10.540	ng	0.00
7) Phenol-d6	6.575	99	100706	10.590	ng	-0.01
23) Nitrobenzene-d5	7.516	82	67837	8.337	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	15703	7.625	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	205273	11.814	ng	0.00
79) Terphenyl-d14	13.069	244	166389	11.424	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	19027	5.052	ng	95
3) Pyridine	3.587	79	48004	5.034	ng	97
4) n-Nitrosodimethylamine	3.504	42	24487	4.956	ng	# 93
6) Aniline	6.622	93	69613	5.198	ng	99
8) 2-Chlorophenol	6.745	128	37026	4.871	ng	98
9) Benzaldehyde	6.510	77	35982	4.966	ng	99
10) Phenol	6.587	94	52784	5.127	ng	98
11) bis(2-Chloroethyl)ether	6.692	93	42574	5.342	ng	98
12) 1,3-Dichlorobenzene	6.910	146	46218	5.382	ng	98
13) 1,4-Dichlorobenzene	6.987	146	46918	5.431	ng	99
14) 1,2-Dichlorobenzene	7.140	146	43854	5.323	ng	97
15) Benzyl Alcohol	7.092	79	33475	4.751	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	81065	5.518	ng	99
17) 2-Methylphenol	7.198	107	33834	5.158	ng	98
18) Hexachloroethane	7.487	117	13889	4.938	ng	99
19) n-Nitroso-di-n-propyla...	7.363	70	30747	5.277	ng	99
20) 3+4-Methylphenols	7.351	107	42205	5.247	ng	# 87
22) Acetophenone	7.363	105	61393	5.580	ng	95
24) Nitrobenzene	7.534	77	32206	4.100	ng	99
25) Isophorone	7.775	82	80494	5.118	ng	99
26) 2-Nitrophenol	7.857	139	7204	6.037	ng	96
27) 2,4-Dimethylphenol	7.887	122	37098	5.082	ng	98
28) bis(2-Chloroethoxy)met...	7.987	93	50637	5.310	ng	98
29) 2,4-Dichlorophenol	8.092	162	27047	4.529	ng	96
30) 1,2,4-Trichlorobenzene	8.187	180	36023	5.315	ng	99
31) Naphthalene	8.269	128	125461	5.535	ng	100
32) Benzoic acid	7.887	122	37098	15.334	ng	# 13
33) 4-Chloroaniline	8.310	127	47947	5.260	ng	98
34) Hexachlorobutadiene	8.392	225	21105	5.207	ng	98
35) Caprolactam	8.628	113	6811	3.653	ng	96
36) 4-Chloro-3-methylphenol	8.775	107	32542	4.892	ng	96
37) 2-Methylnaphthalene	8.957	142	73511	5.436	ng	99
38) 1-Methylnaphthalene	9.057	142	77390	5.518	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	35579	5.286	ng	97
41) Hexachlorocyclopentadiene	9.122	237	13356	3.579	ng	98
43) 2,4,6-Trichlorophenol	9.228	196	17295	4.135	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143094.D
 Acq On : 15 Jul 2025 13:35
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

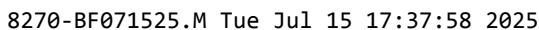
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 BNA_F
 ClientSampleId :
 SSTDICC005

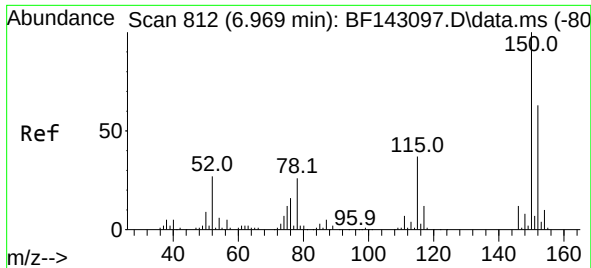
Quant Time: Jul 15 17:37:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	19416	4.427	ng	99
46) 1,1'-Biphenyl	9.422	154	101056	5.486	ng	99
47) 2-Chloronaphthalene	9.445	162	73385	5.423	ng	99
48) 2-Nitroaniline	9.528	65	10398	5.579	ng	91
49) Acenaphthylene	9.863	152	118965	5.276	ng	99
50) Dimethylphthalate	9.710	163	75659	5.207	ng	99
51) 2,6-Dinitrotoluene	9.769	165	7659	5.308	ng	93
52) Acenaphthene	10.033	154	73531	5.526	ng	99
53) 3-Nitroaniline	9.933	138	10382	3.307	ng	# 90
54) 2,4-Dinitrophenol	10.039	184	1579	6.786	ng	# 1
55) Dibenzofuran	10.204	168	109432	5.518	ng	99
56) 4-Nitrophenol	10.081	139	7451	2.986	ng	89
57) 2,4-Dinitrotoluene	10.169	165	8515	5.606	ng	87
58) Fluorene	10.551	166	85318	5.738	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	14610	4.192	ng	# 98
60) Diethylphthalate	10.416	149	70533	5.031	ng	98
61) 4-Chlorophenyl-phenyle...	10.539	204	38452	5.395	ng	96
62) 4-Nitroaniline	10.539	138	9779	3.581	ng	83
63) Azobenzene	10.698	77	82291	5.308	ng	99
65) 4,6-Dinitro-2-methylph...	10.575	198	2390	7.224	ng	84
66) n-Nitrosodiphenylamine	10.651	169	70293	5.231	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	22127	5.086	ng	95
68) Hexachlorobenzene	11.098	284	23819	5.160	ng	97
69) Atrazine	11.175	200	15103	4.393	ng	99
70) Pentachlorophenol	11.286	266	7881	3.112	ng	97
71) Phenanthrene	11.510	178	113784	5.511	ng	99
72) Anthracene	11.563	178	110778	5.335	ng	100
73) Carbazole	11.710	167	99235	5.335	ng	100
74) Di-n-butylphthalate	12.051	149	71352	4.179	ng	99
75) Fluoranthene	12.704	202	99884	5.320	ng	100
77) Benzidine	12.816	184	28673	3.953	ng	98
78) Pyrene	12.927	202	107389	5.436	ng	99
80) Butylbenzylphthalate	13.545	149	9546	5.646	ng	92
81) Benzo(a)anthracene	14.116	228	68990	4.863	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	13706	3.327	ng	# 97
83) Chrysene	14.151	228	68451	5.239	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	14537	5.667	ng	100
85) Di-n-octyl phthalate	14.727	149	19796	8.196	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.162	276	58565	4.521	ng	98
88) Benzo(b)fluoranthene	15.186	252	46276	4.607	ng	98
89) Benzo(k)fluoranthene	15.215	252	51177	5.340	ng	99
90) Benzo(a)pyrene	15.568	252	43046	4.531	ng	97
91) Dibenzo(a,h)anthracene	17.186	278	48506	4.581	ng	97
92) Benzo(g,h,i)perylene	17.627	276	49989	4.631	ng	98

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

Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

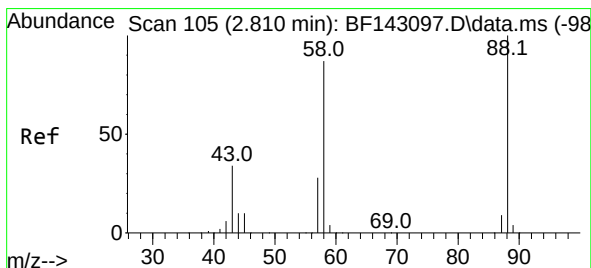
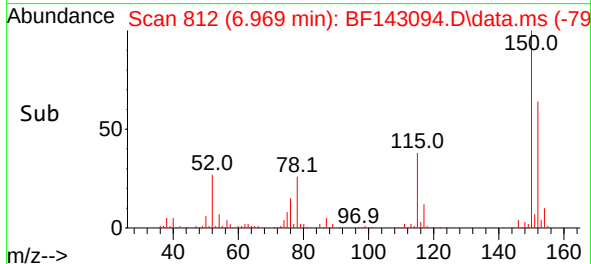
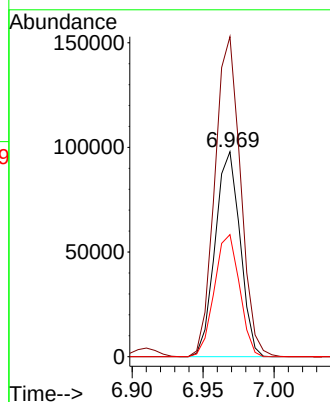
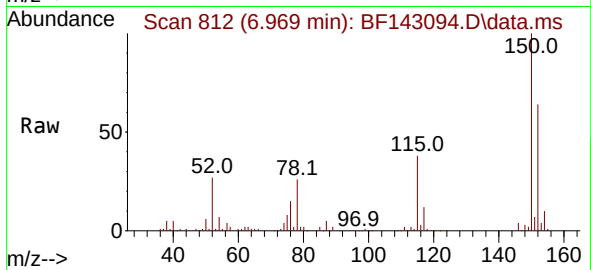




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

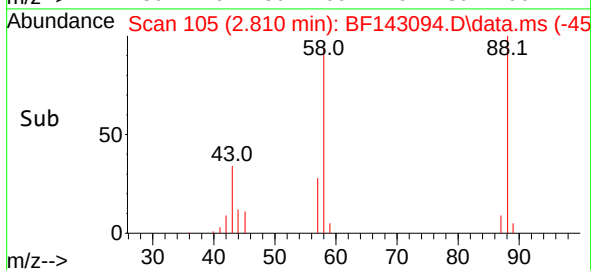
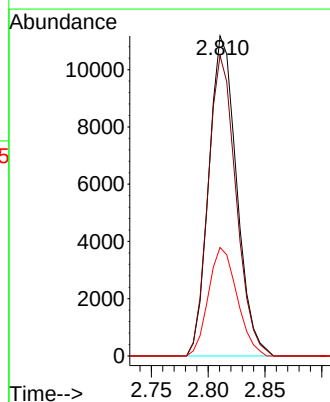
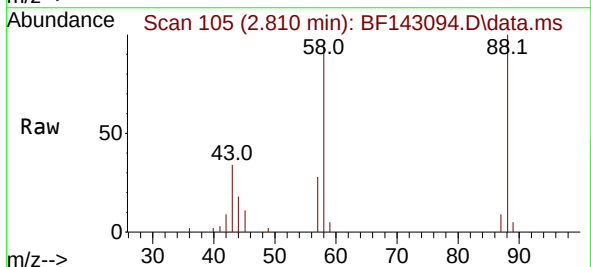
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

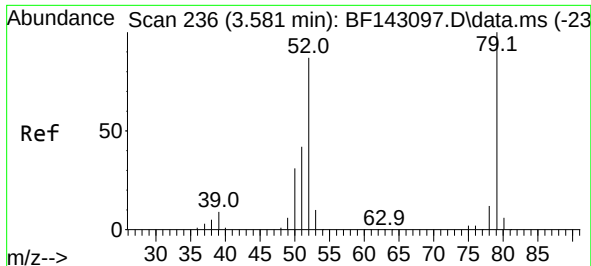
Tgt Ion:152 Resp: 119528
Ion Ratio Lower Upper
152 100
150 156.2 126.5 189.7
115 59.5 47.0 70.6



#2
1,4-Dioxane
Concen: 5.052 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 88 Resp: 19027
Ion Ratio Lower Upper
88 100
58 94.1 70.5 105.7
43 34.9 27.3 40.9





#3

Pyridine

Concen: 5.034 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

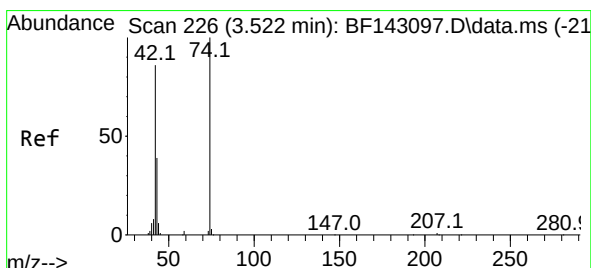
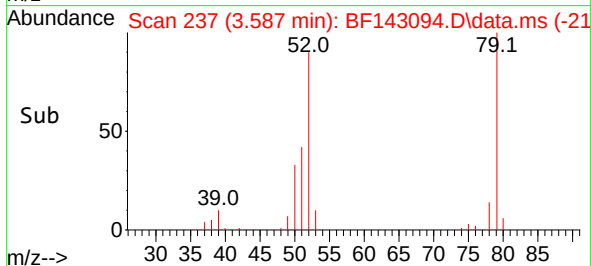
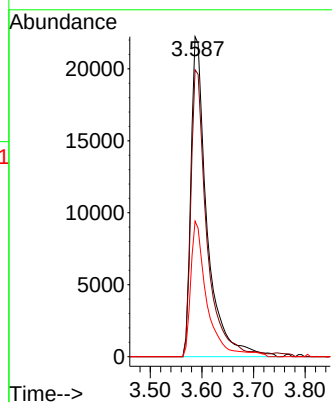
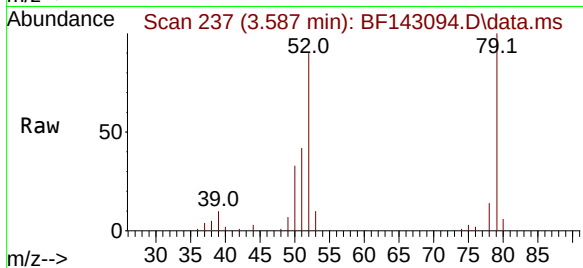
Tgt Ion: 79 Resp: 48004

Ion Ratio Lower Upper

79 100

52 89.6 69.2 103.8

51 42.3 33.3 49.9



#4

n-Nitrosodimethylamine

Concen: 4.956 ng

RT: 3.504 min Scan# 223

Delta R.T. -0.018 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

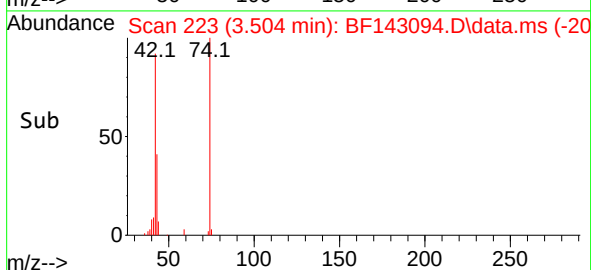
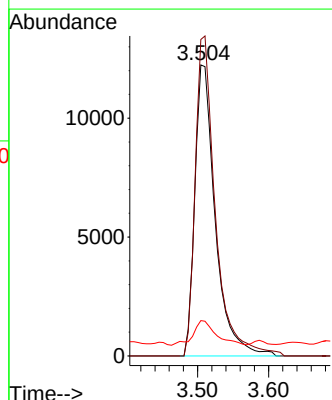
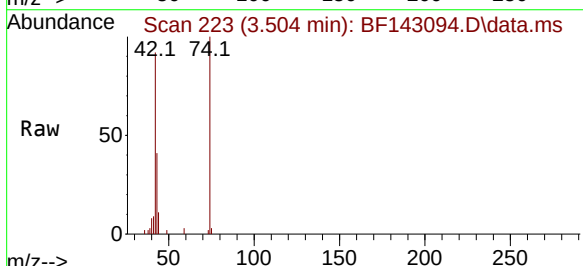
Tgt Ion: 42 Resp: 24487

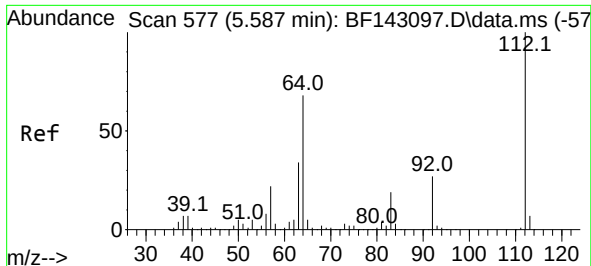
Ion Ratio Lower Upper

42 100

74 108.8 92.8 139.2

44 12.1 5.8 8.6#

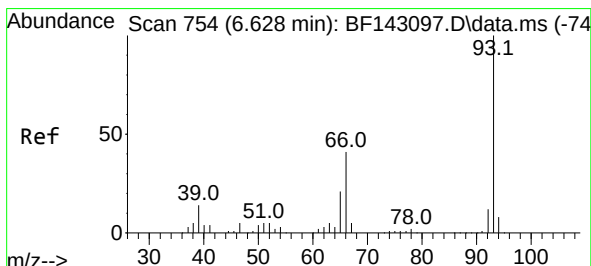
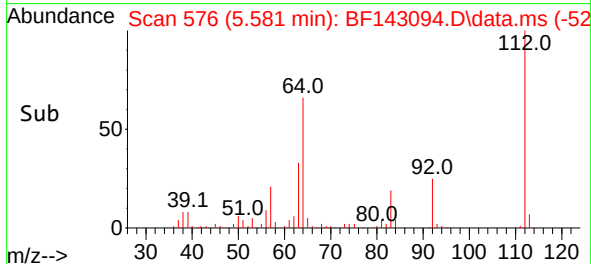
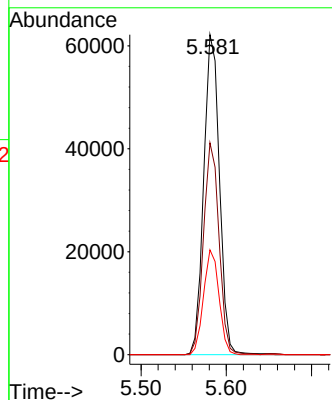
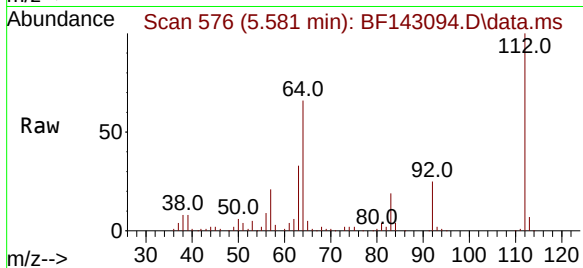




#5
2-Fluorophenol
Concen: 10.540 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

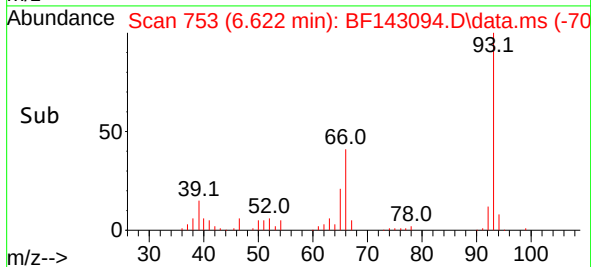
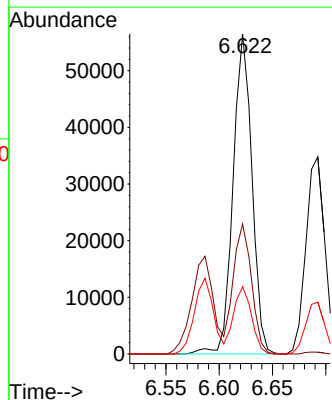
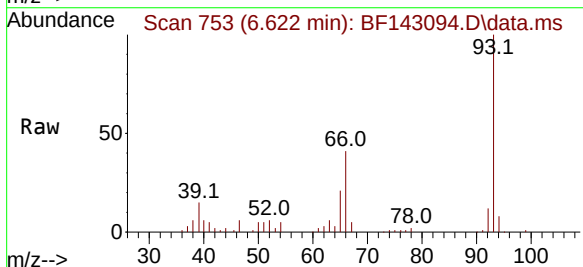
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

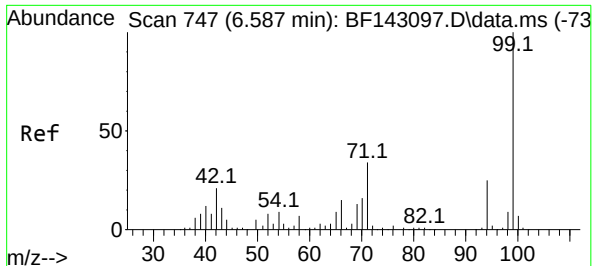
Tgt Ion:112 Resp: 79738
Ion Ratio Lower Upper
112 100
64 66.2 54.6 82.0
63 32.8 27.3 40.9



#6
Aniline
Concen: 5.198 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 93 Resp: 69613
Ion Ratio Lower Upper
93 100
66 40.6 33.1 49.7
65 21.0 16.9 25.3

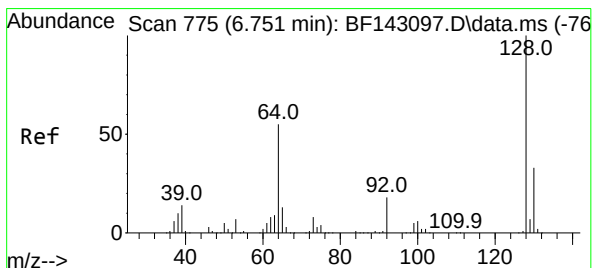
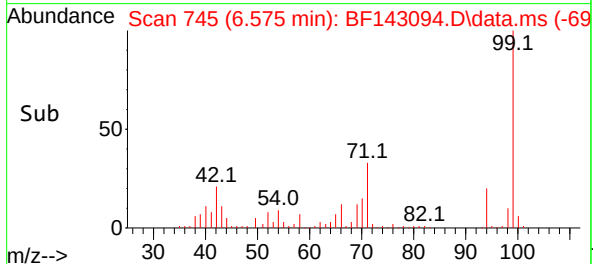
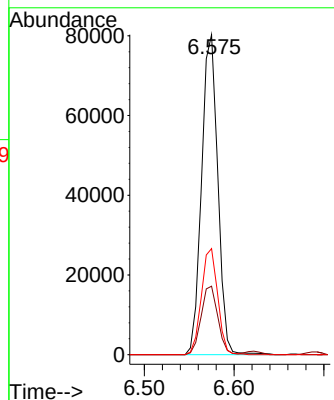
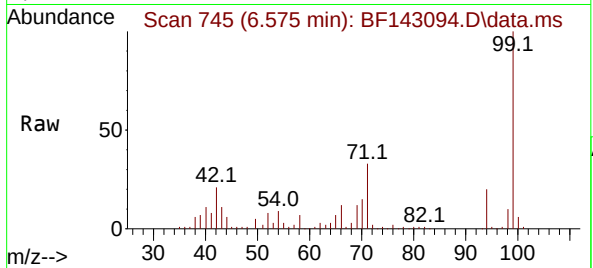




#7
Phenol-d6
Concen: 10.590 ng
RT: 6.575 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

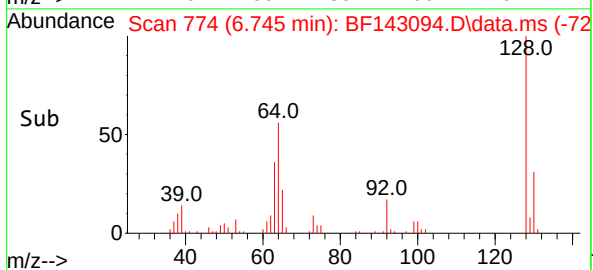
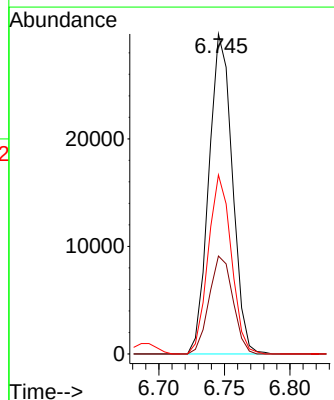
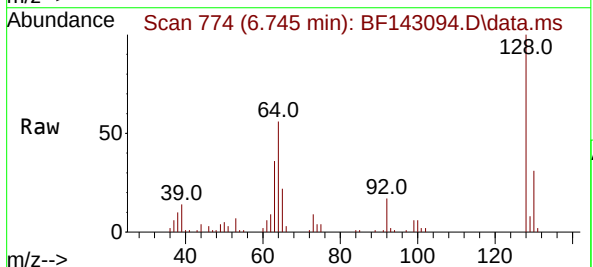
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BNA_F
ClientSampleId :
SSTDICC005

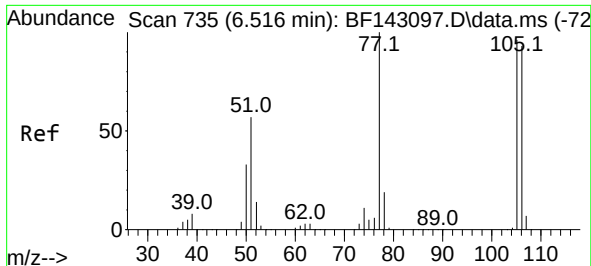
Tgt Ion: 99 Resp: 100706
Ion Ratio Lower Upper
99 100
42 21.4 17.2 25.8
71 33.2 27.4 41.0



#8
2-Chlorophenol
Concen: 4.871 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 128 Resp: 37026
Ion Ratio Lower Upper
128 100
130 30.6 12.8 52.8
64 55.9 36.1 76.1

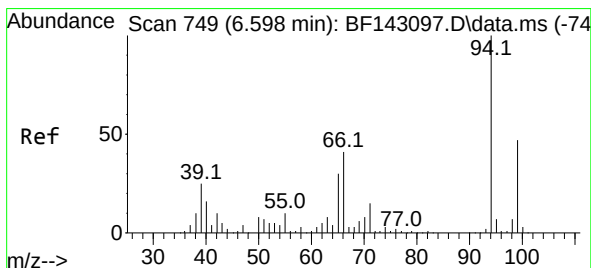
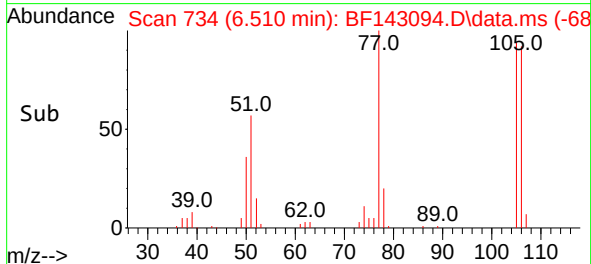
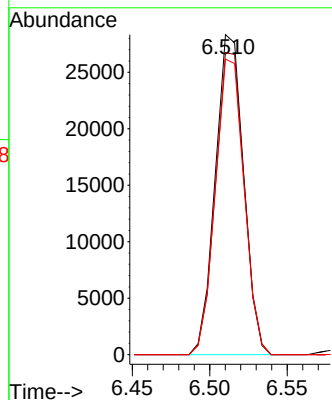
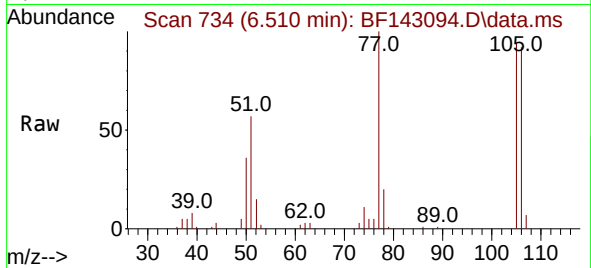




#9
Benzaldehyde
Concen: 4.966 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

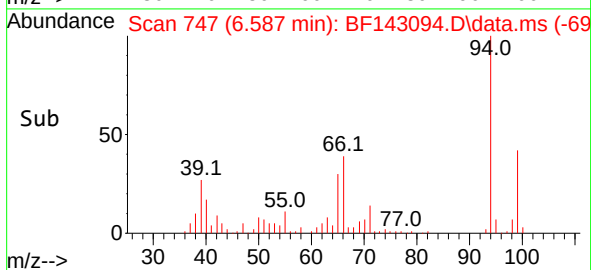
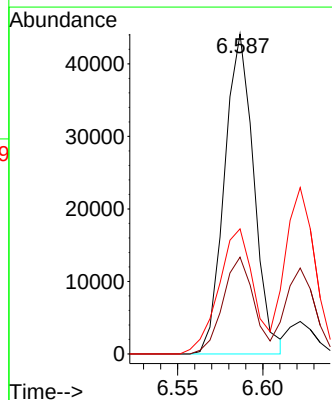
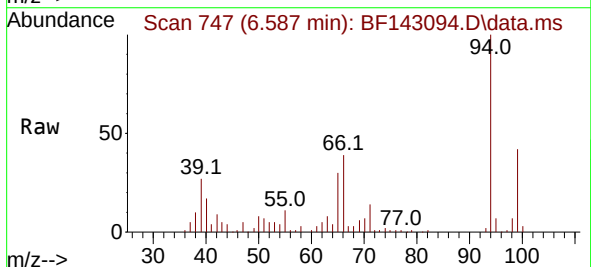
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

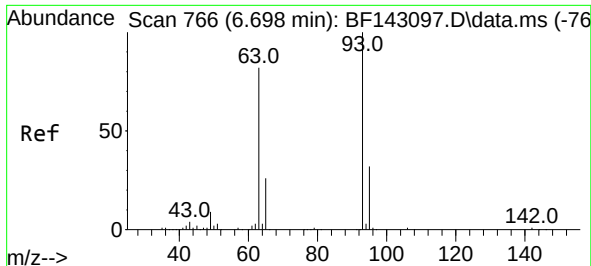
Tgt Ion: 77 Resp: 35982
Ion Ratio Lower Upper
77 100
105 94.4 76.3 116.3
106 92.3 72.8 112.8



#10
Phenol
Concen: 5.127 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 94 Resp: 52784
Ion Ratio Lower Upper
94 100
65 30.3 9.8 49.8
66 39.1 20.5 60.5





#11

bis(2-Chloroethyl)ether

Concen: 5.342 ng

RT: 6.692 min Scan# 766

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

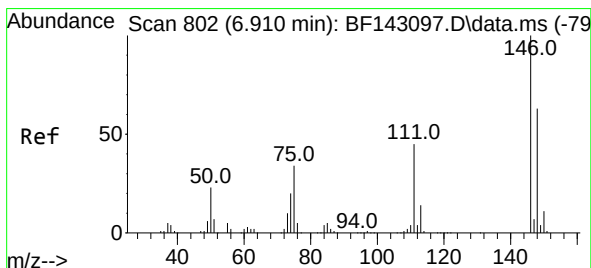
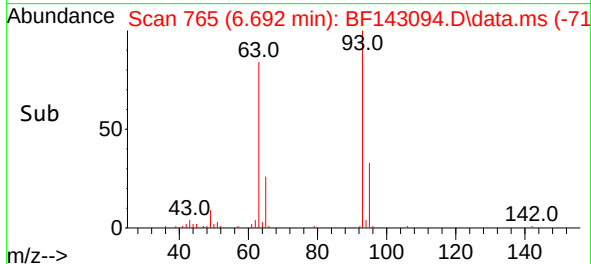
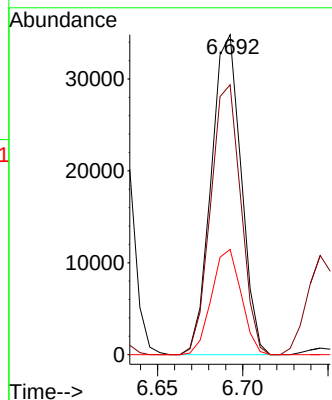
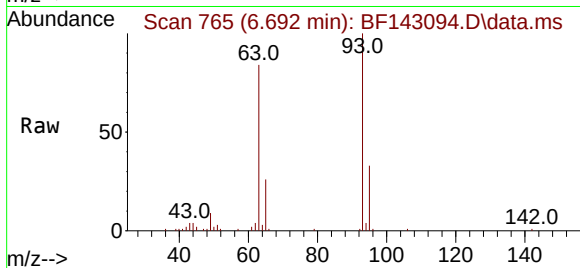
Tgt Ion: 93 Resp: 42574

Ion Ratio Lower Upper

93 100

63 84.4 61.9 101.9

95 32.9 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 5.382 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.000 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

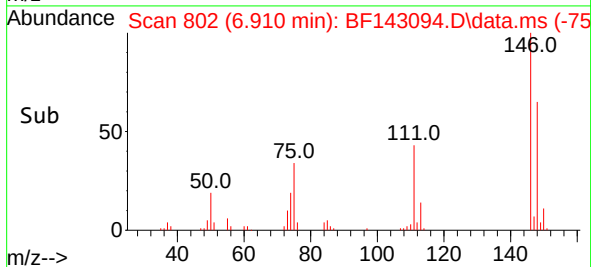
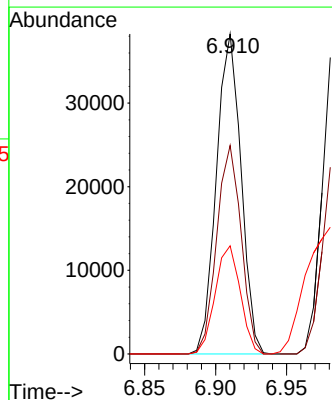
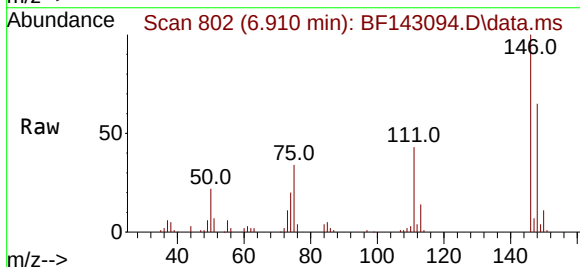
Tgt Ion: 146 Resp: 46218

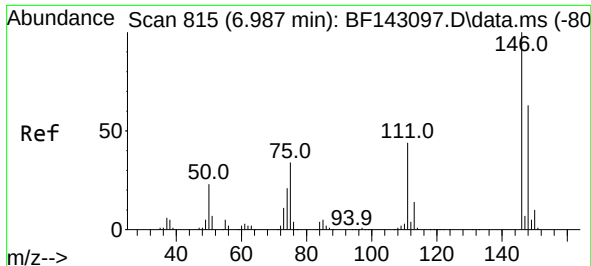
Ion Ratio Lower Upper

146 100

148 65.2 50.1 75.1

75 33.8 27.4 41.0

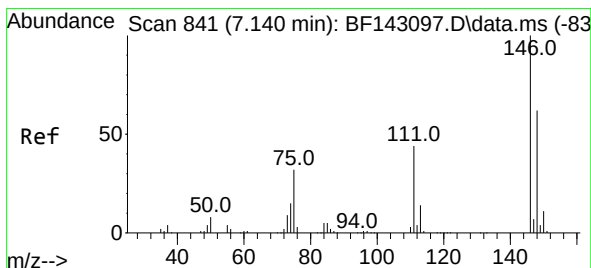
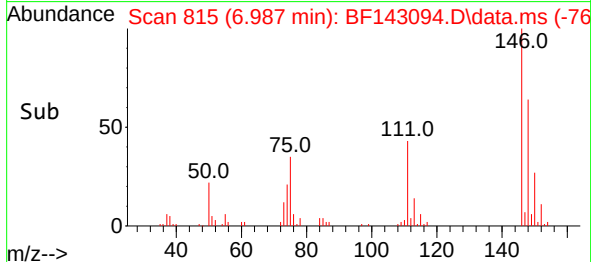
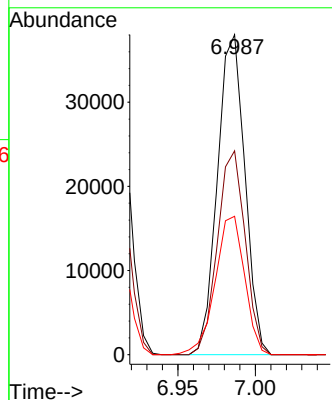
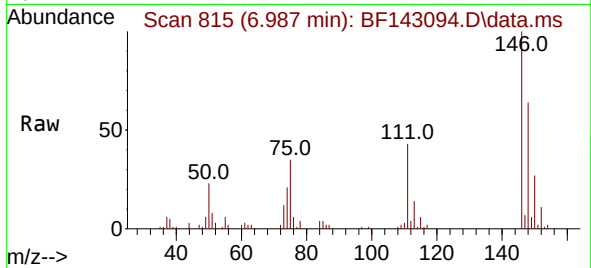




#13
1,4-Dichlorobenzene
Concen: 5.431 ng
RT: 6.987 min Scan# 815
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

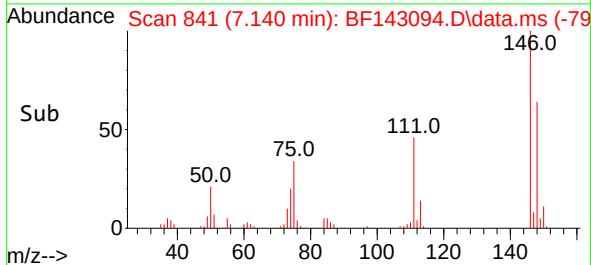
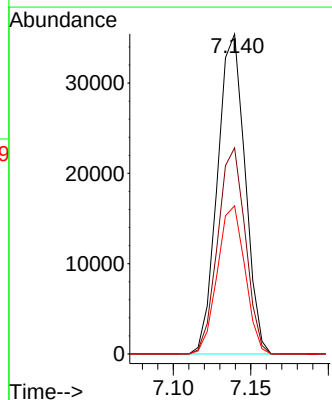
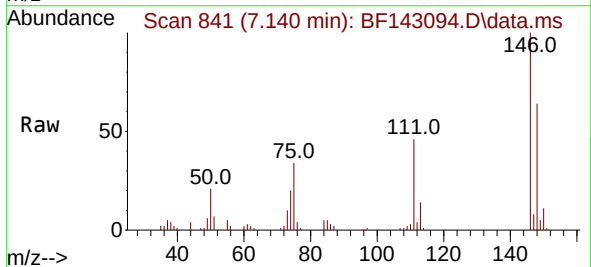
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

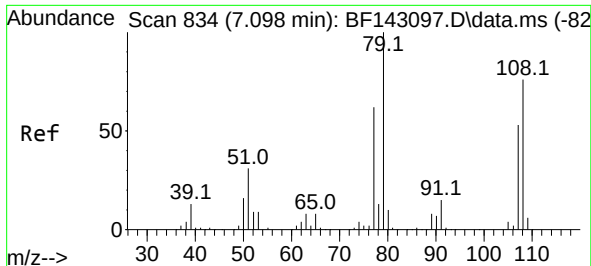
Tgt Ion:146 Resp: 46918
Ion Ratio Lower Upper
146 100
148 63.7 50.6 76.0
111 43.3 35.0 52.6



#14
1,2-Dichlorobenzene
Concen: 5.323 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:146 Resp: 43854
Ion Ratio Lower Upper
146 100
148 64.4 49.8 74.6
111 46.3 35.4 53.0

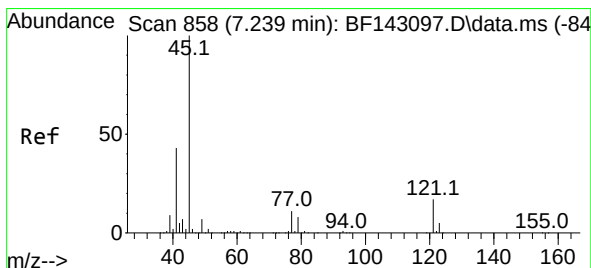
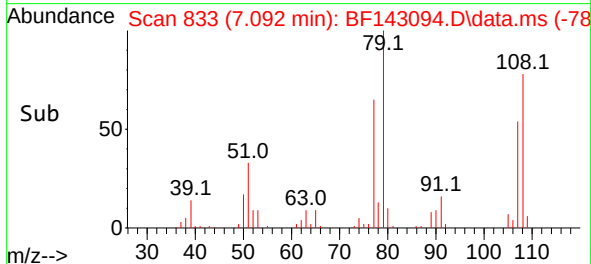
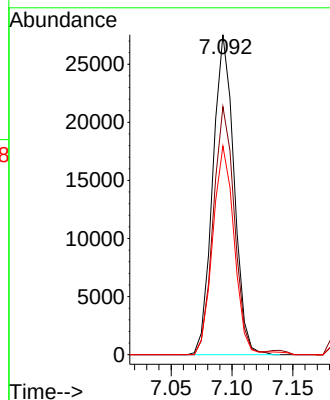
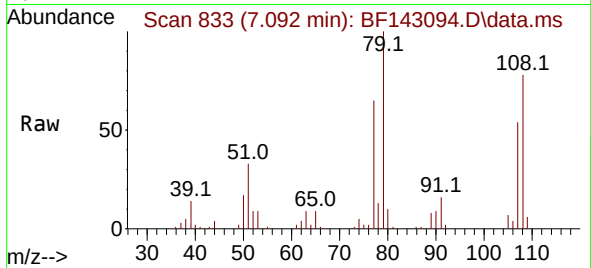




#15
Benzyl Alcohol
Concen: 4.751 ng
RT: 7.092 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

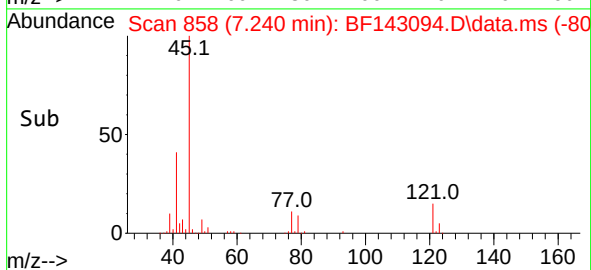
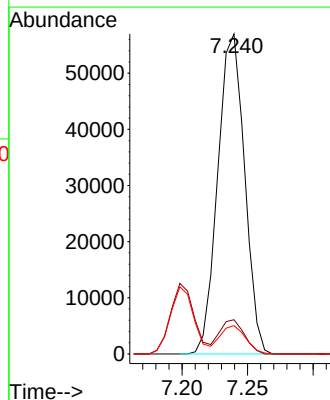
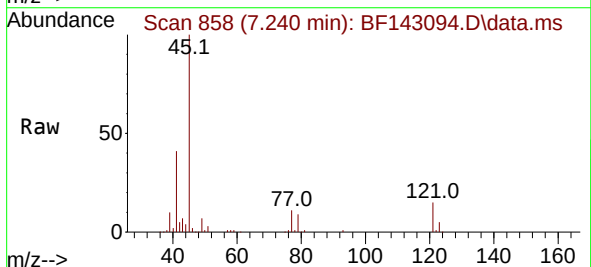
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

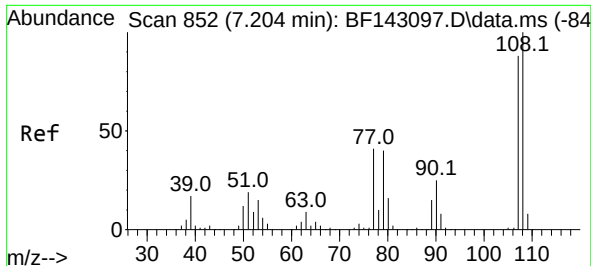
Tgt Ion: 79 Resp: 33475
Ion Ratio Lower Upper
79 100
108 77.5 61.1 91.7
77 65.2 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.518 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 45 Resp: 81065
Ion Ratio Lower Upper
45 100
77 10.7 0.0 31.1
79 8.8 0.0 28.4

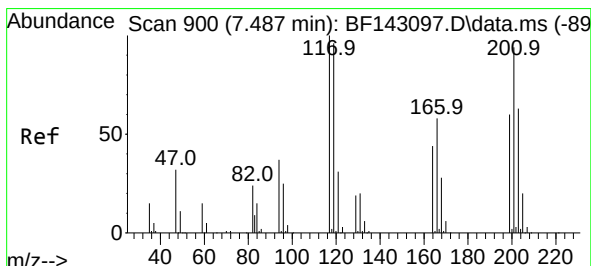
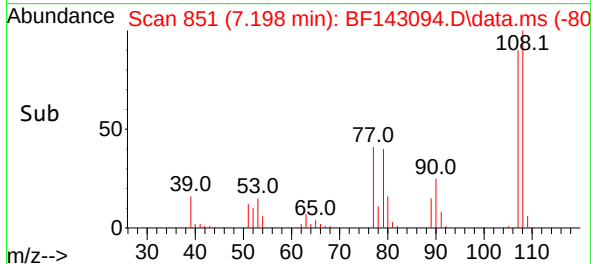
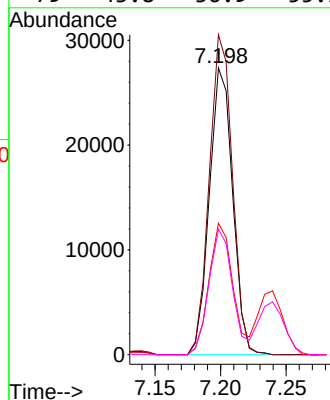
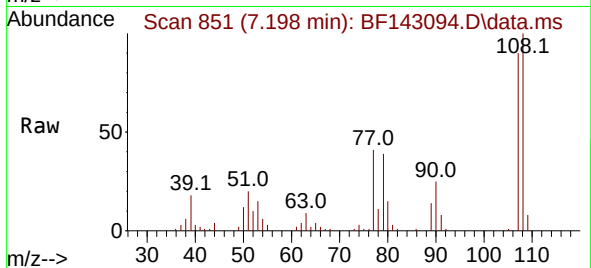




#17
2-Methylphenol
Concen: 5.158 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

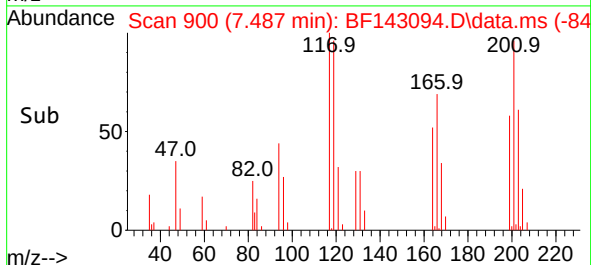
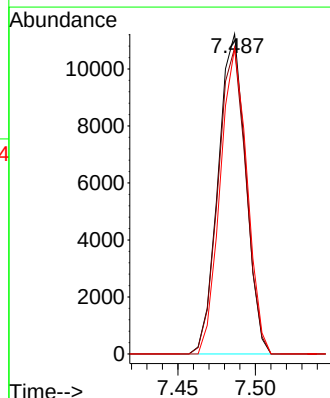
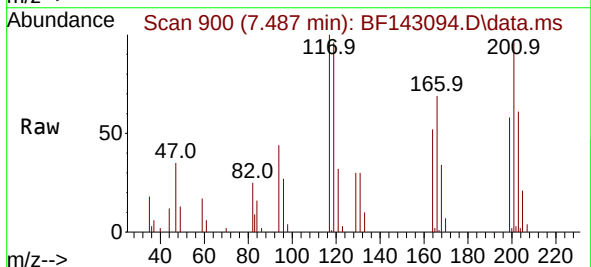
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

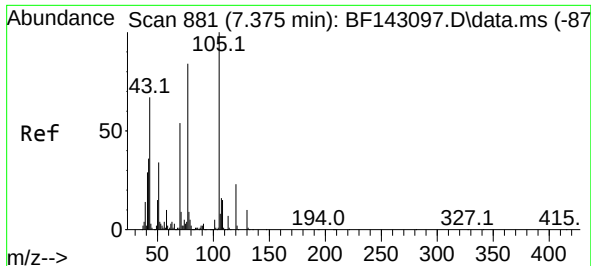
Tgt Ion:	107	Resp:	33834
Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.9	136.3
77	45.9	37.5	56.3
79	43.8	36.9	55.3



#18
Hexachloroethane
Concen: 4.938 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:	117	Resp:	13889
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.7	115.1
201	95.6	75.0	112.4

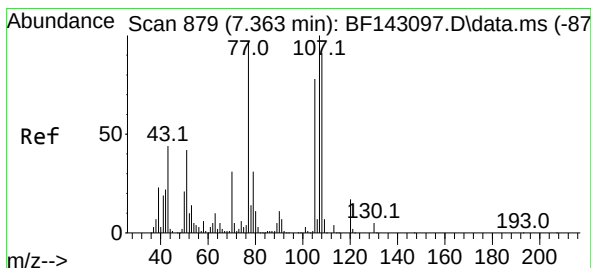
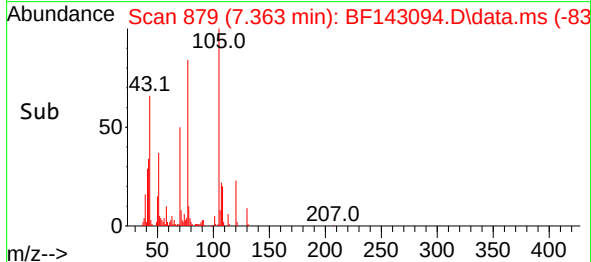
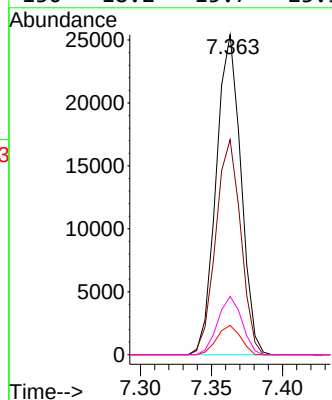
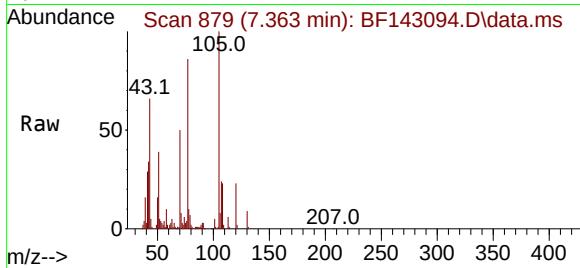




#19
n-Nitroso-di-n-propylamine
Concen: 5.277 ng
RT: 7.363 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

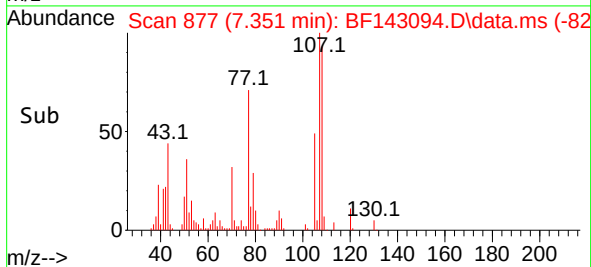
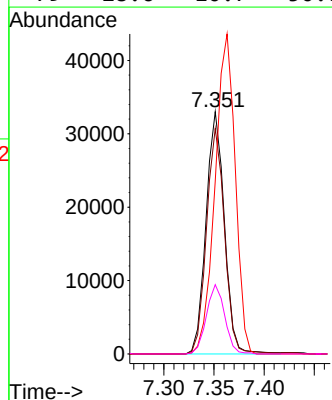
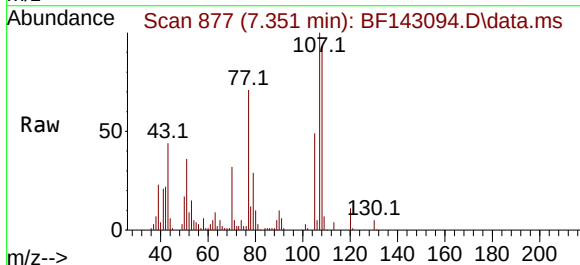
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

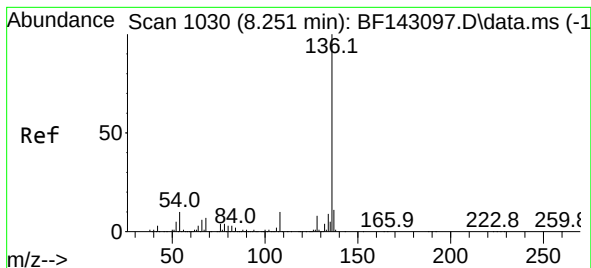
Tgt Ion:	70	Resp:	30747
Ion	Ratio	Lower	Upper
70	100		
42	67.2	53.2	79.8
101	9.1	7.5	11.3
130	18.2	15.7	23.5



#20
3+4-Methylphenols
Concen: 5.247 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:	107	Resp:	42205
Ion	Ratio	Lower	Upper
107	100		
108	93.1	71.3	111.3
77	71.4	77.2	117.2#
79	28.6	10.7	50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:136 Resp: 456442

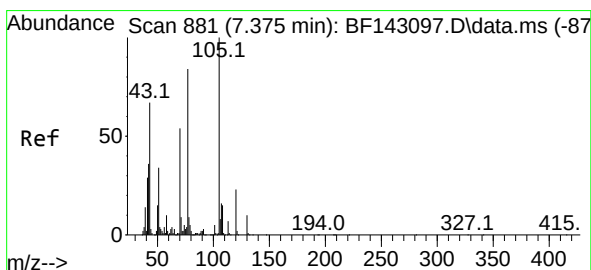
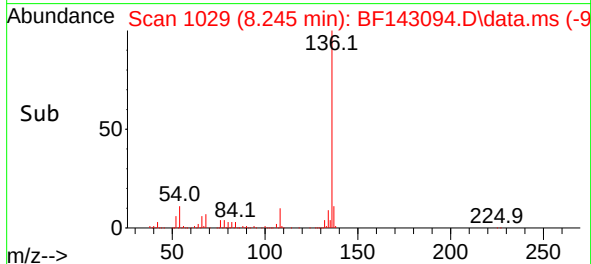
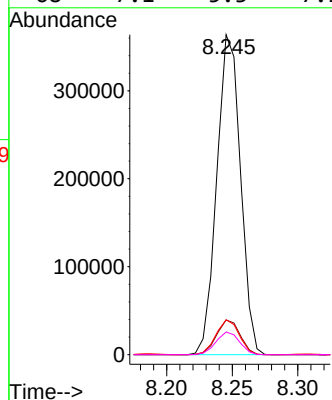
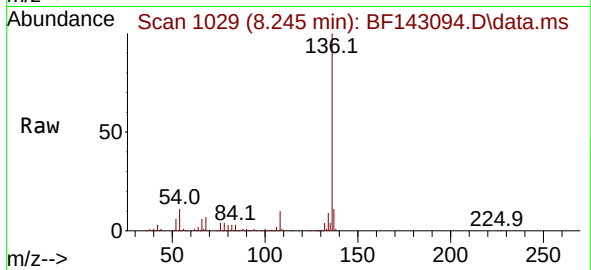
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 10.9 8.3 12.5

68 7.1 5.3 7.9



#22

Acetophenone

Concen: 5.580 ng

RT: 7.363 min Scan# 879

Delta R.T. -0.012 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Tgt Ion:105 Resp: 61393

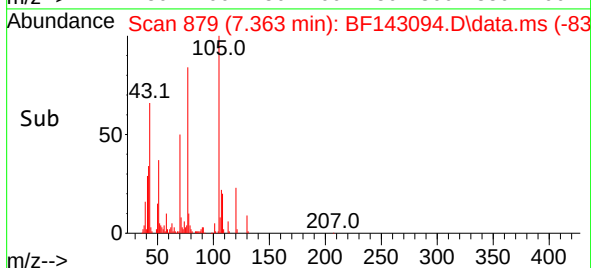
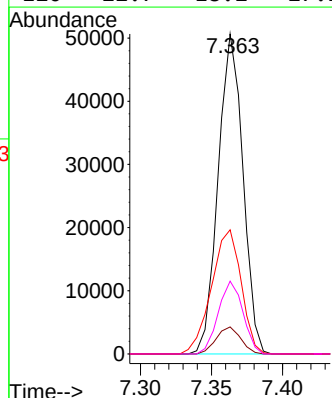
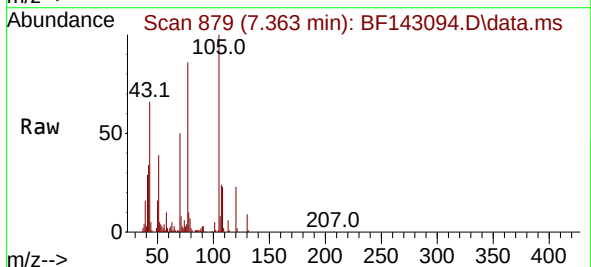
Ion Ratio Lower Upper

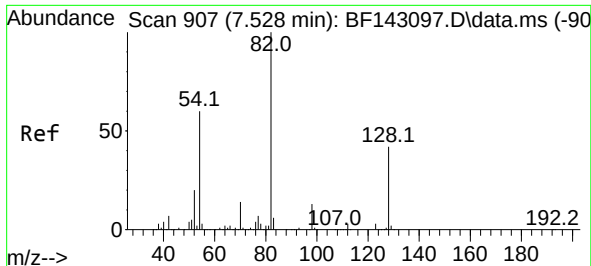
105 100

71 8.5 7.2 10.8

51 38.8 27.0 40.4

120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 8.337 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

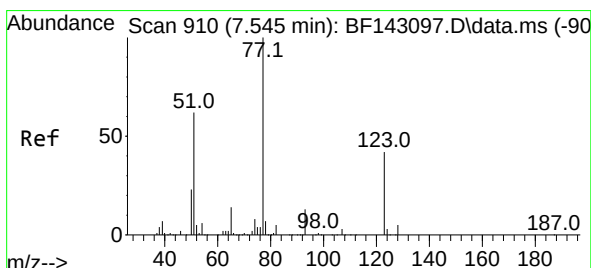
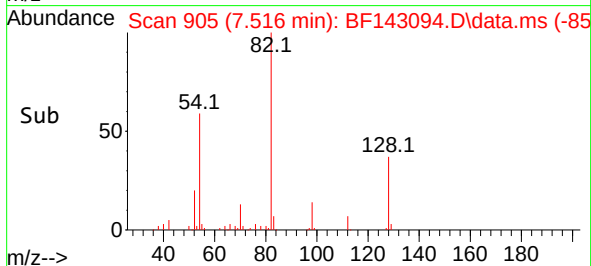
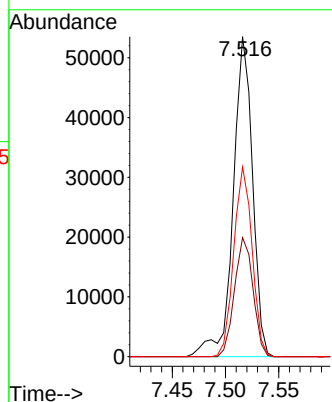
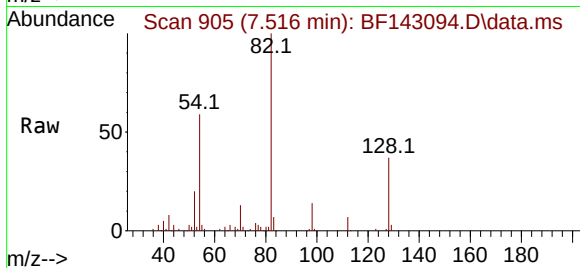
Tgt Ion: 82 Resp: 67837

Ion Ratio Lower Upper

82 100

128 37.2 33.3 49.9

54 59.3 47.4 71.2



#24

Nitrobenzene

Concen: 4.100 ng

RT: 7.534 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

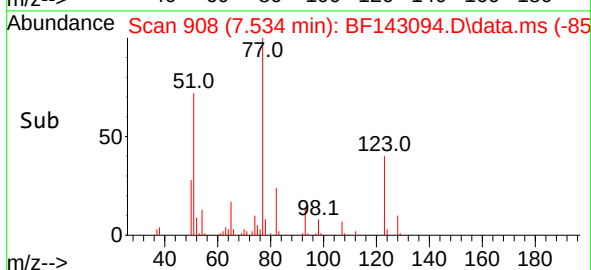
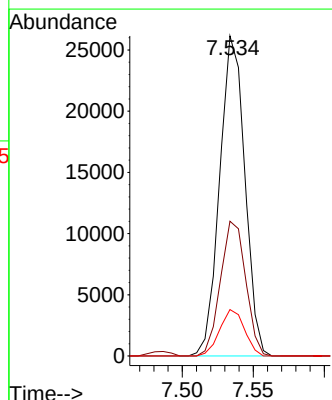
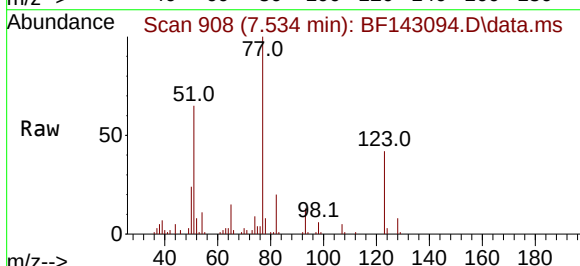
Tgt Ion: 77 Resp: 32206

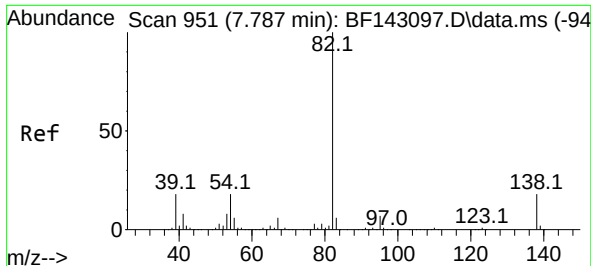
Ion Ratio Lower Upper

77 100

123 42.1 34.5 51.7

65 14.5 11.3 16.9

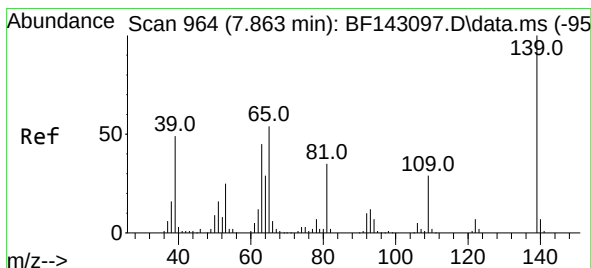
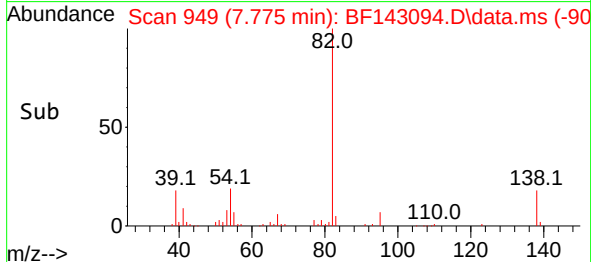
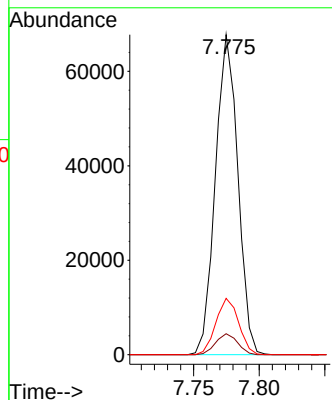
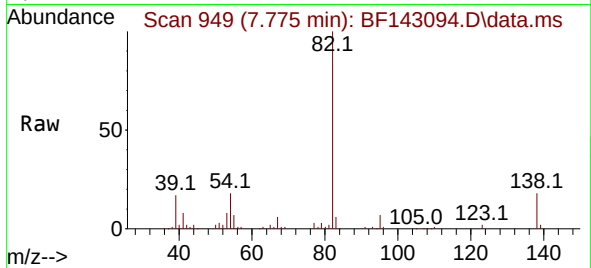




#25
Isophorone
Concen: 5.118 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

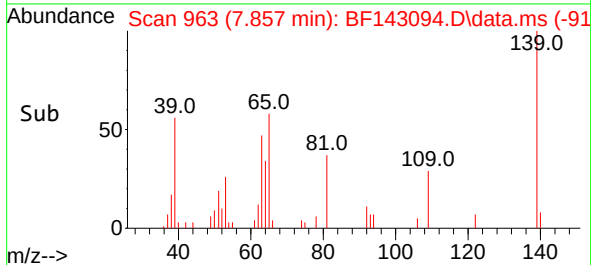
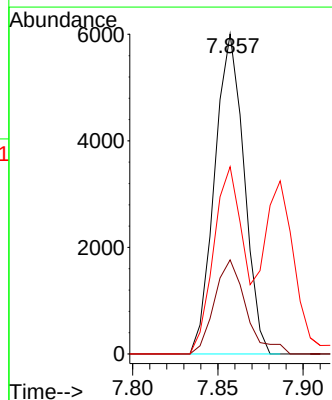
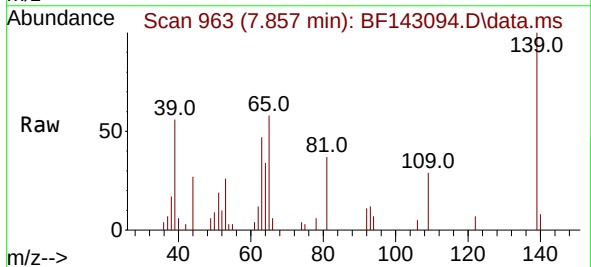
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

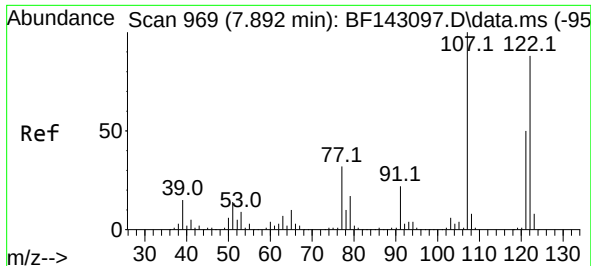
Tgt Ion: 82 Resp: 80494
Ion Ratio Lower Upper
82 100
95 6.6 5.6 8.4
138 17.6 14.3 21.5



#26
2-Nitrophenol
Concen: 6.037 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 139 Resp: 7204
Ion Ratio Lower Upper
139 100
109 29.4 23.4 35.0
65 58.5 43.4 65.2

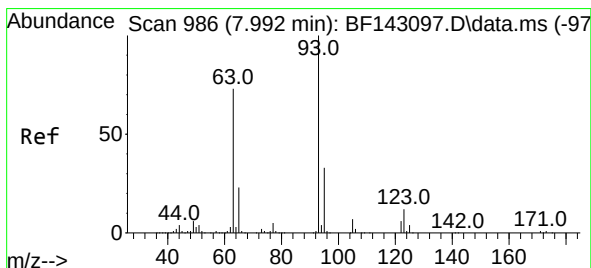
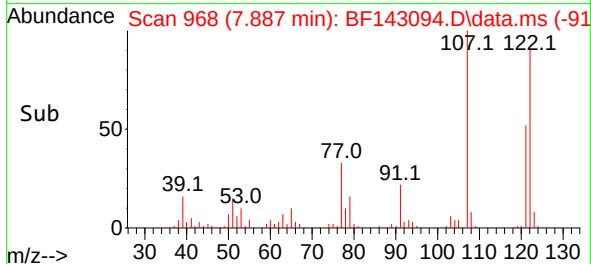
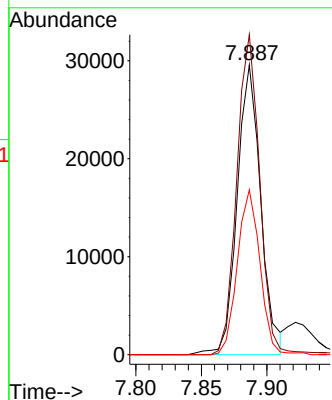
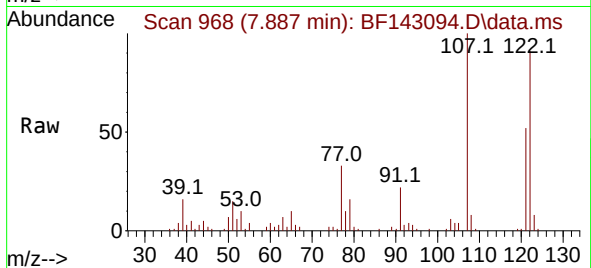




#27
2,4-Dimethylphenol
Concen: 5.082 ng
RT: 7.887 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

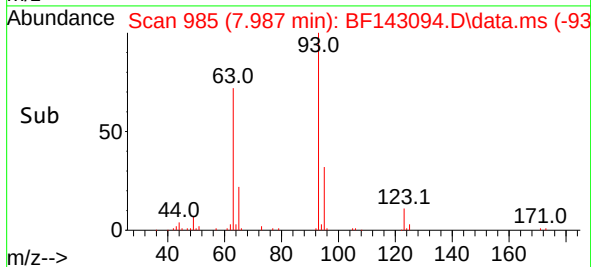
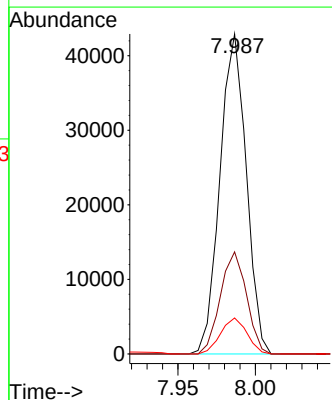
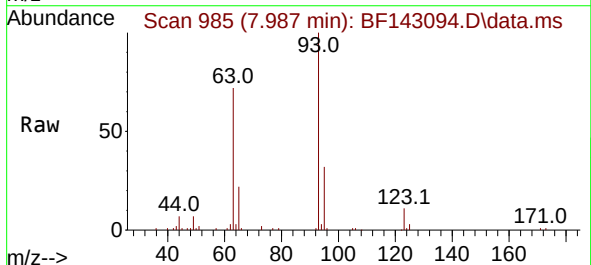
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

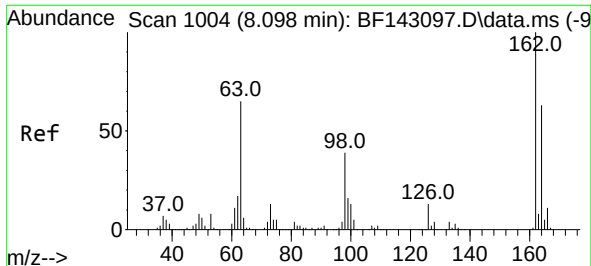
Tgt Ion:122	Resp:	37098
Ion	Ratio	Lower Upper
122	100	
107	110.4	91.3 136.9
121	56.9	45.5 68.3



#28
bis(2-Chloroethoxy)methane
Concen: 5.310 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 93	Resp:	50637
Ion	Ratio	Lower Upper
93	100	
95	31.9	26.2 39.4
123	11.2	9.6 14.4





#29

2,4-Dichlorophenol

Concen: 4.529 ng

RT: 8.092 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

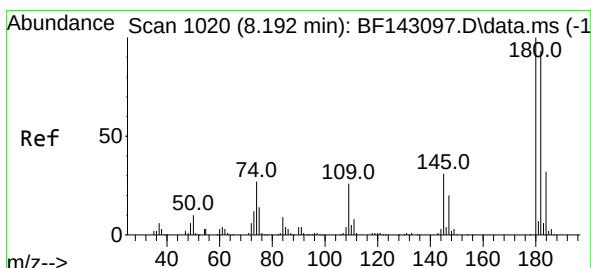
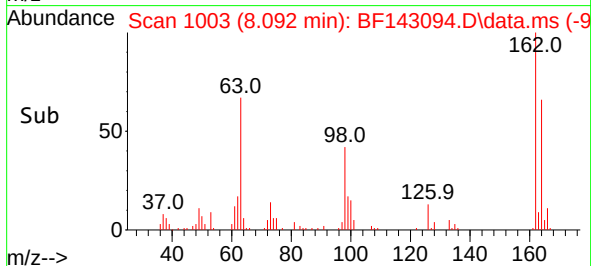
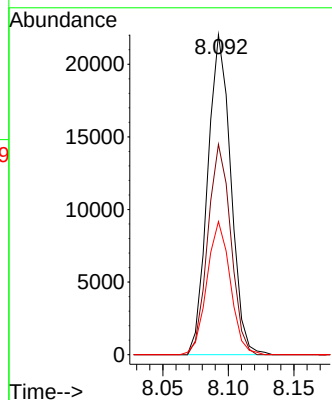
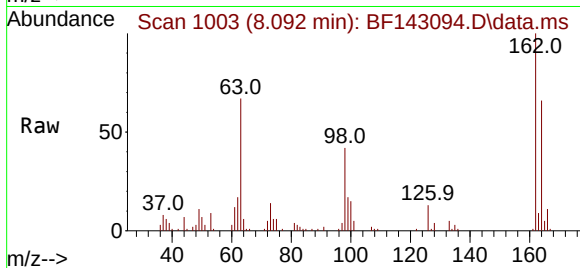
Tgt Ion:162 Resp: 27047

Ion Ratio Lower Upper

162 100

164 65.7 43.1 83.1

98 41.6 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 5.315 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

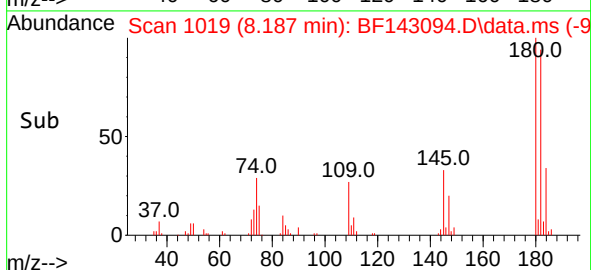
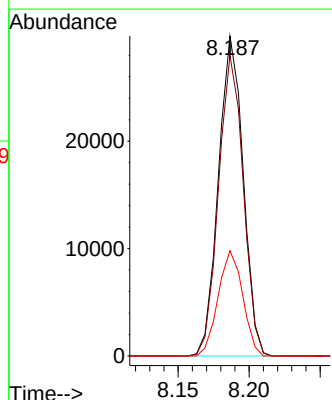
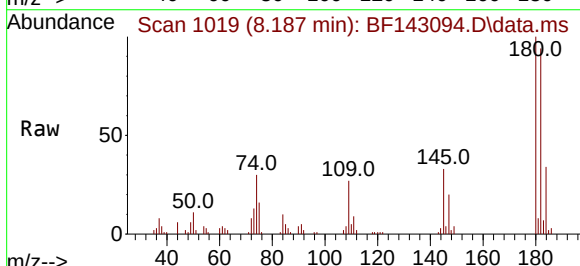
Tgt Ion:180 Resp: 36023

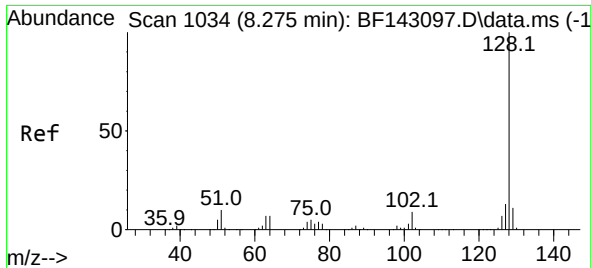
Ion Ratio Lower Upper

180 100

182 93.9 74.7 112.1

145 32.9 24.5 36.7

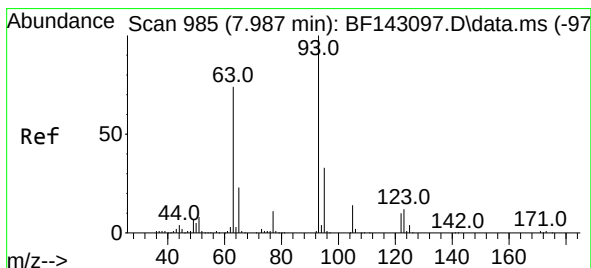
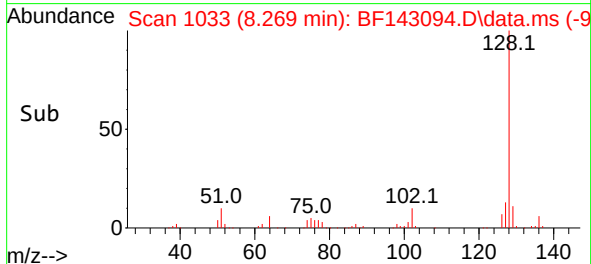
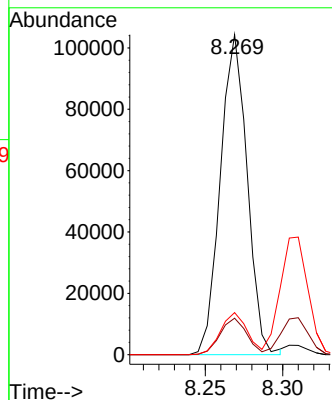
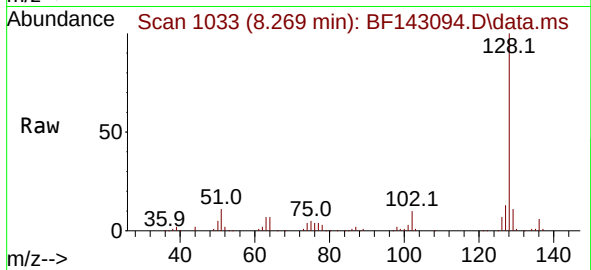




#31
Naphthalene
Concen: 5.535 ng
RT: 8.269 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

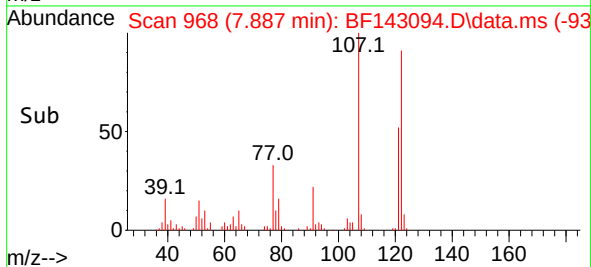
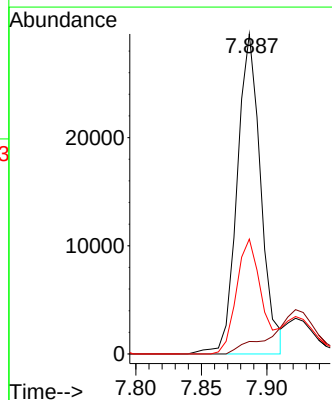
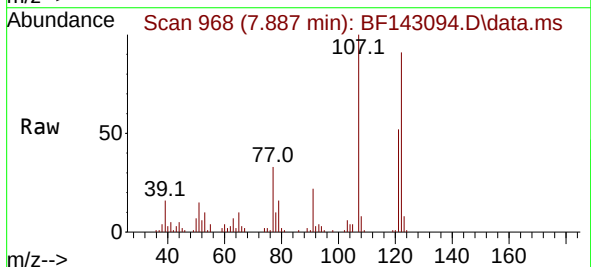
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

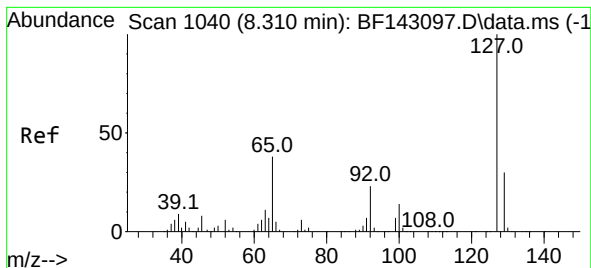
Tgt Ion:128 Resp: 125461
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.2 10.5 15.7



#32
Benzoic acid
Concen: 15.334 ng
RT: 7.887 min Scan# 968
Delta R.T. -0.100 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:122 Resp: 37098
Ion Ratio Lower Upper
122 100
105 3.9 105.4 145.4#
77 35.9 78.6 118.6#





#33

4-Chloroaniline

Concen: 5.260 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:127 Resp: 47947

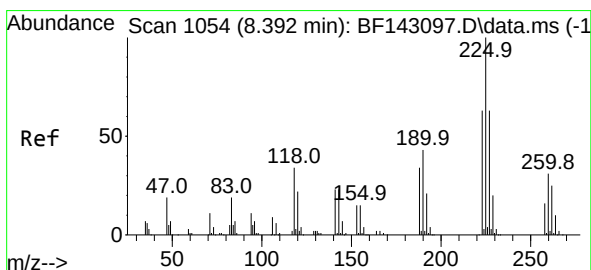
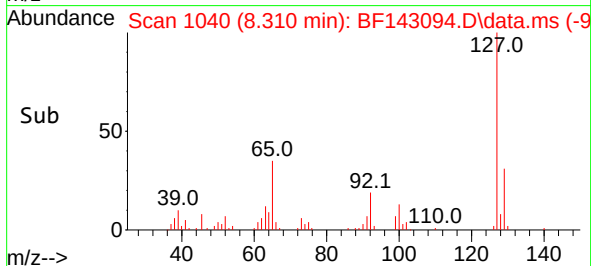
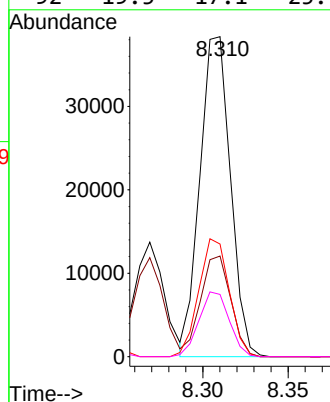
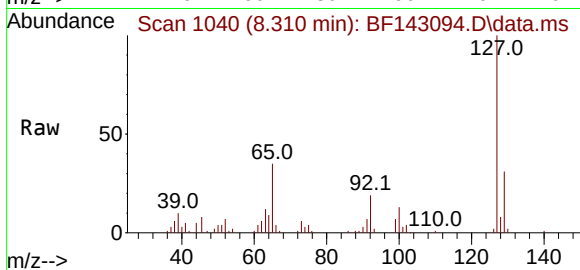
Ion Ratio Lower Upper

127 100

129 31.4 26.2 39.4

65 35.2 28.6 42.8

92 19.5 17.1 25.7



#34

Hexachlorobutadiene

Concen: 5.207 ng

RT: 8.392 min Scan# 1054

Delta R.T. 0.000 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

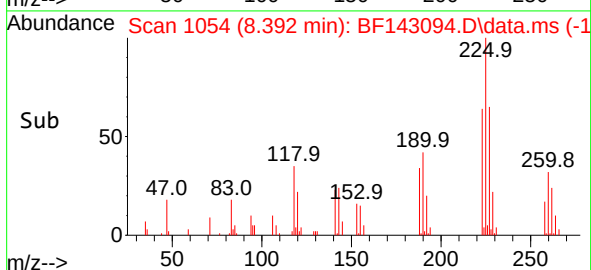
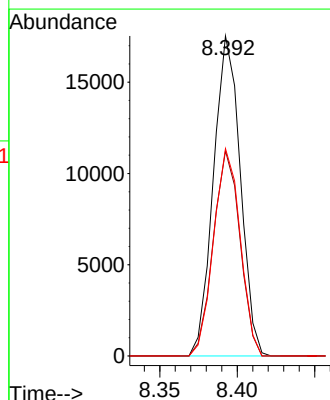
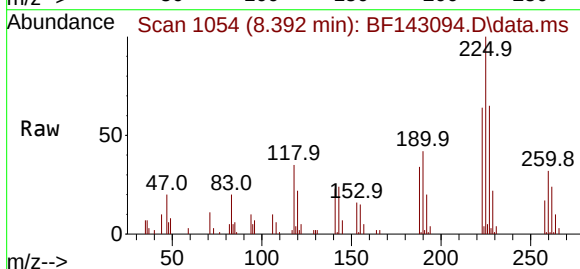
Tgt Ion:225 Resp: 21105

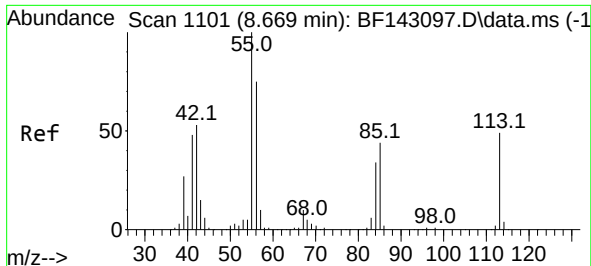
Ion Ratio Lower Upper

225 100

223 64.1 50.3 75.5

227 64.8 50.1 75.1

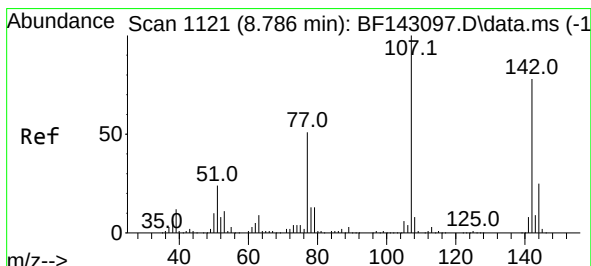
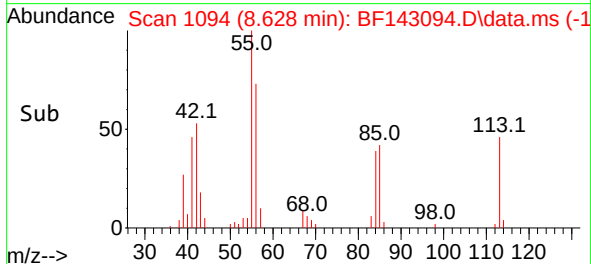
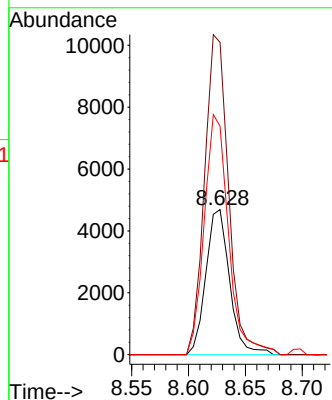
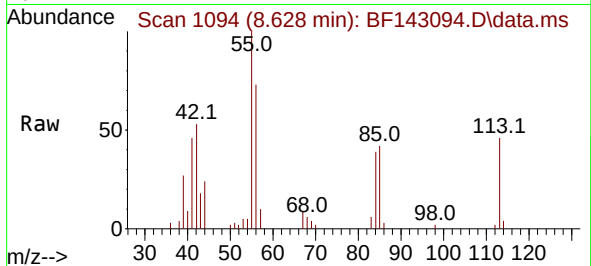




#35
Caprolactam
Concen: 3.653 ng
RT: 8.628 min Scan# 1109
Delta R.T. -0.041 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

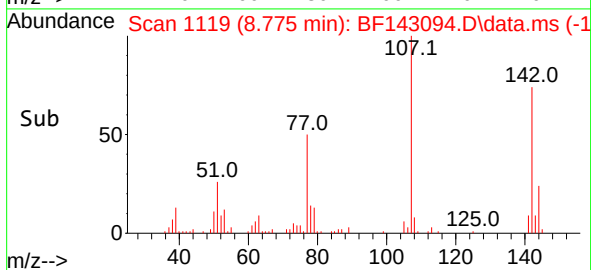
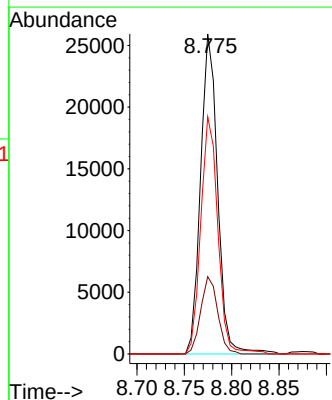
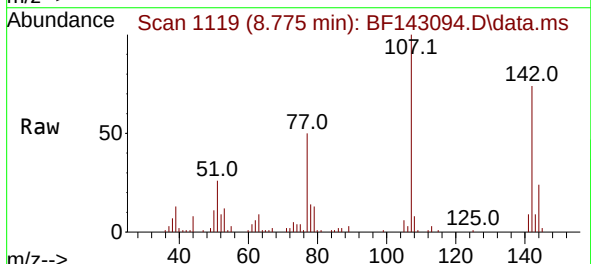
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

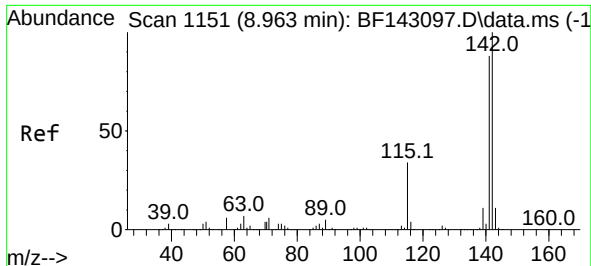
Tgt Ion:113 Resp: 6811
Ion Ratio Lower Upper
113 100
55 215.3 186.2 226.2
56 157.5 134.1 174.1



#36
4-Chloro-3-methylphenol
Concen: 4.892 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:107 Resp: 32542
Ion Ratio Lower Upper
107 100
144 24.1 20.2 30.2
142 74.1 62.4 93.6





#37

2-Methylnaphthalene

Concen: 5.436 ng

RT: 8.957 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

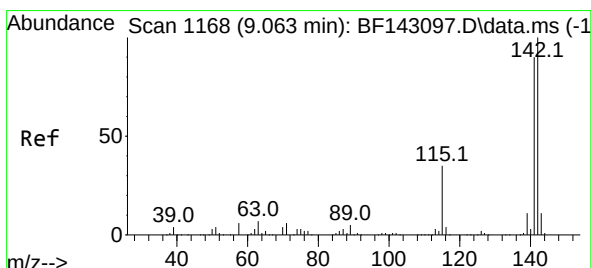
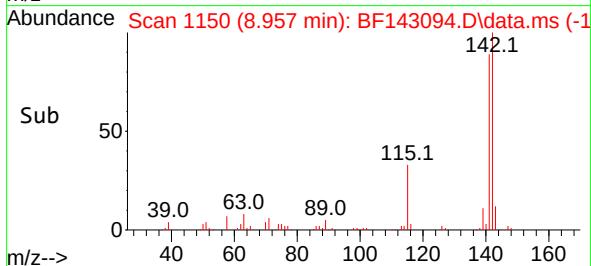
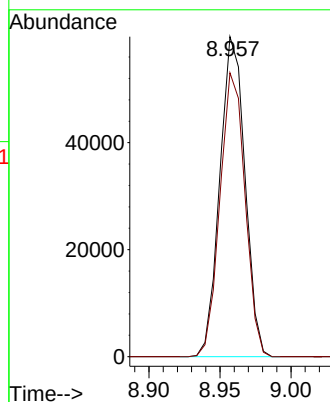
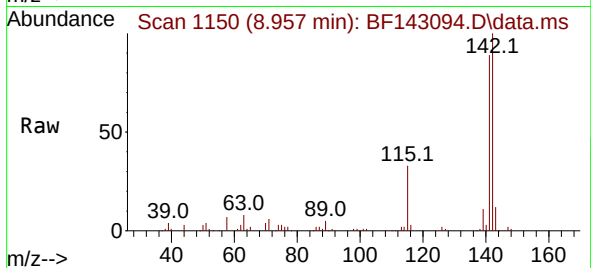
SSTDICC005

Tgt Ion:142 Resp: 73511

Ion Ratio Lower Upper

142 100

141 88.7 70.2 105.2



#38

1-Methylnaphthalene

Concen: 5.518 ng

RT: 9.057 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF143094.D

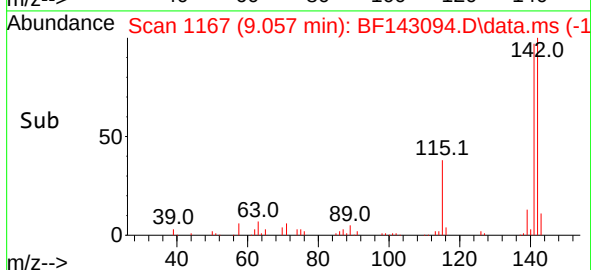
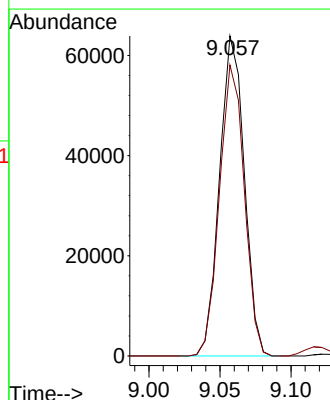
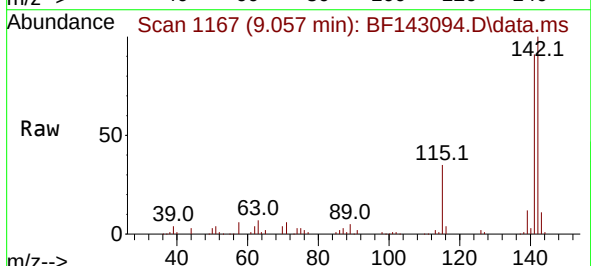
Acq: 15 Jul 2025 13:35

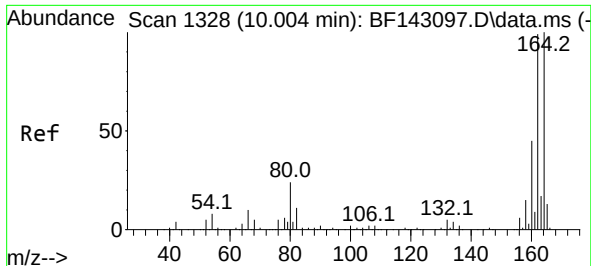
Tgt Ion:142 Resp: 77390

Ion Ratio Lower Upper

142 100

141 90.9 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

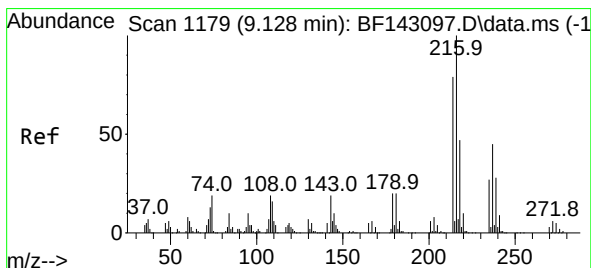
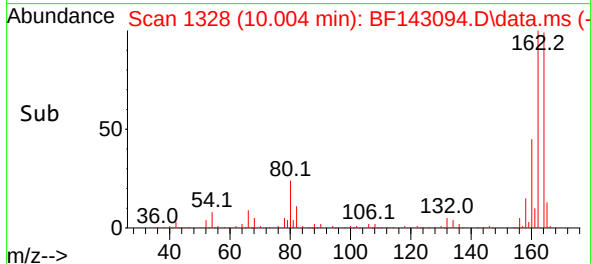
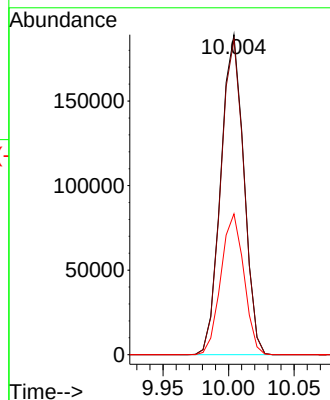
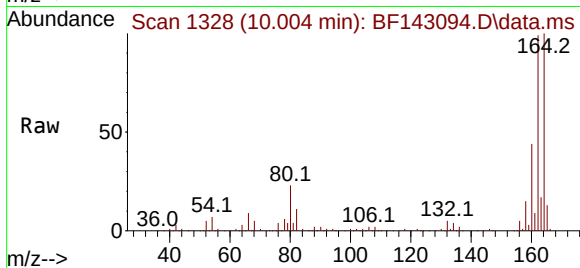
Tgt Ion:164 Resp: 230973

Ion Ratio Lower Upper

164 100

162 98.5 79.0 118.6

160 44.0 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.286 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Tgt Ion:216 Resp: 35579

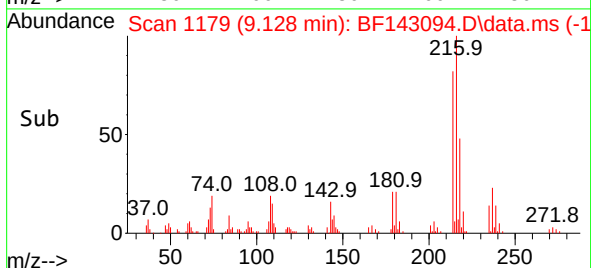
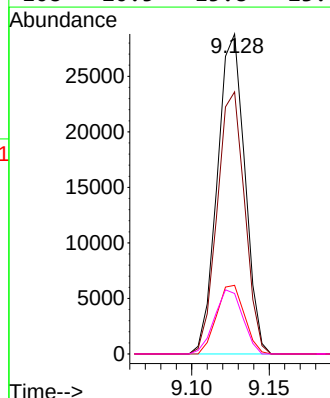
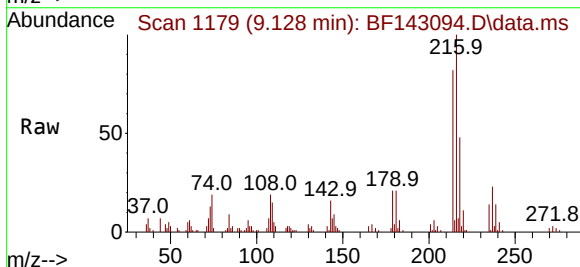
Ion Ratio Lower Upper

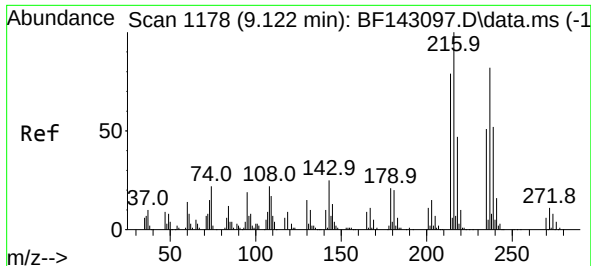
216 100

214 81.8 62.6 94.0

179 21.6 16.2 24.2

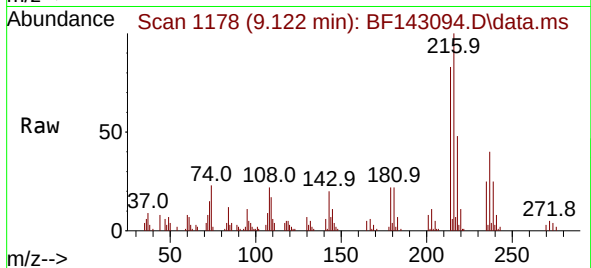
108 20.5 15.8 23.6



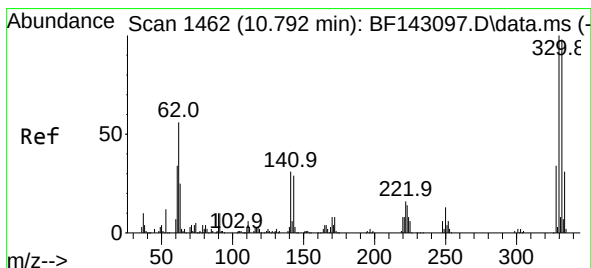
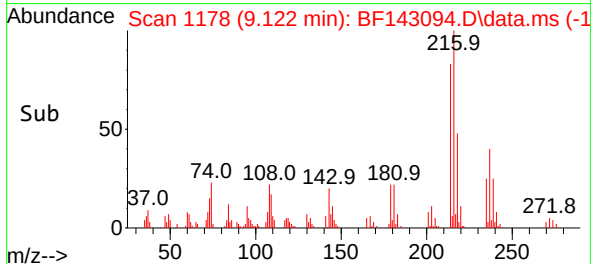
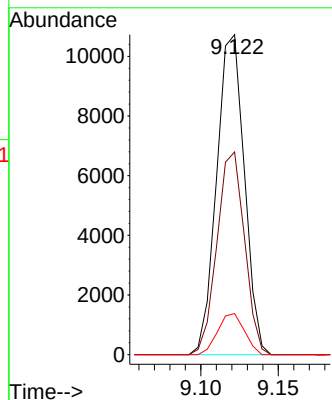


#41
Hexachlorocyclopentadiene
Concen: 3.579 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

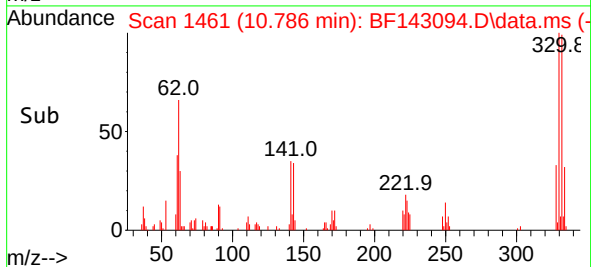
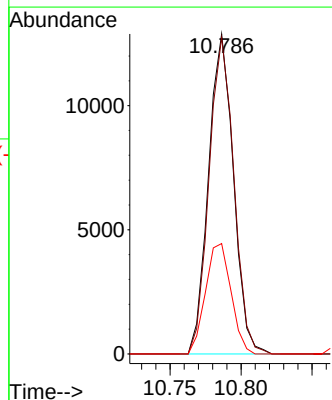
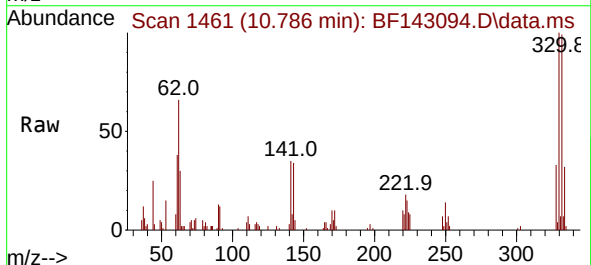


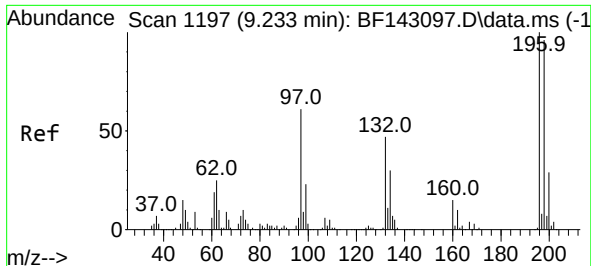
Tgt Ion:237 Resp: 13356
Ion Ratio Lower Upper
237 100
235 63.4 41.6 81.6
272 12.8 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 7.625 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:330 Resp: 15703
Ion Ratio Lower Upper
330 100
332 98.4 77.9 116.9
141 35.3 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 4.135 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

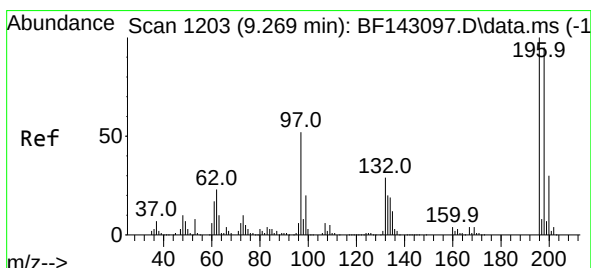
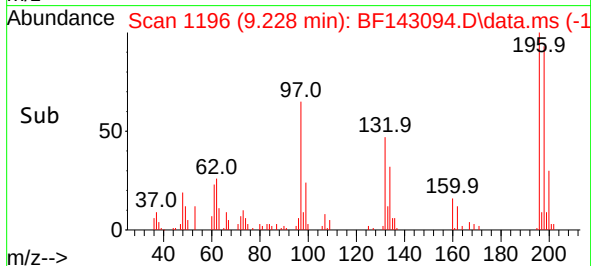
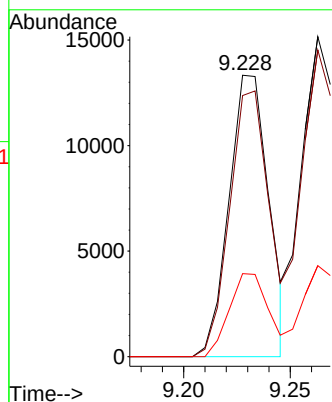
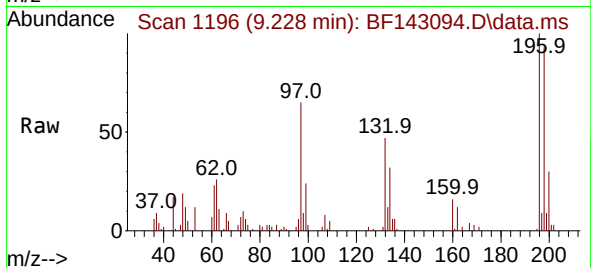
Tgt Ion:196 Resp: 17295

Ion Ratio Lower Upper

196 100

198 92.8 76.9 115.3

200 29.5 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 4.427 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Tgt Ion:196 Resp: 19416

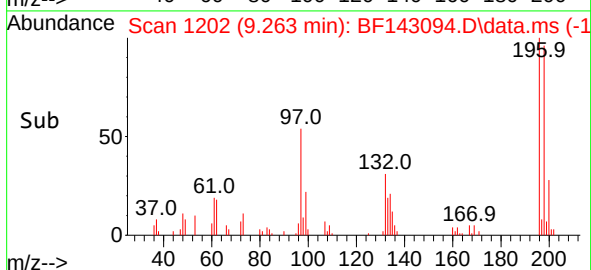
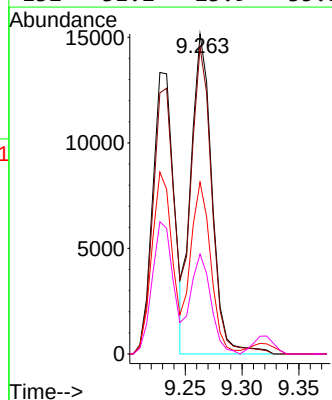
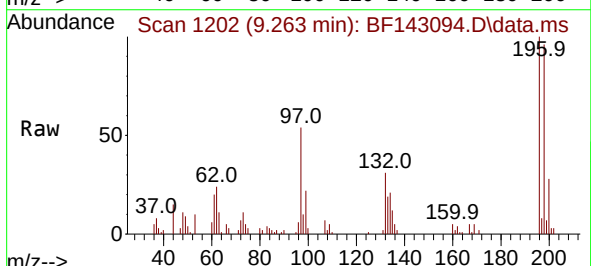
Ion Ratio Lower Upper

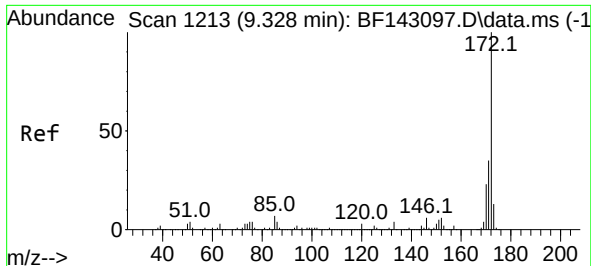
196 100

198 95.9 76.4 114.6

97 53.7 42.4 63.6

132 31.2 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 11.814 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

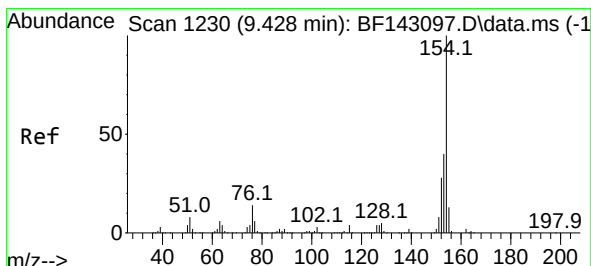
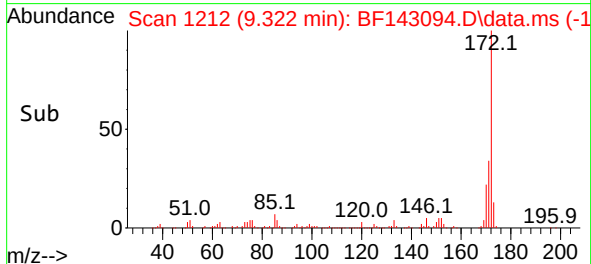
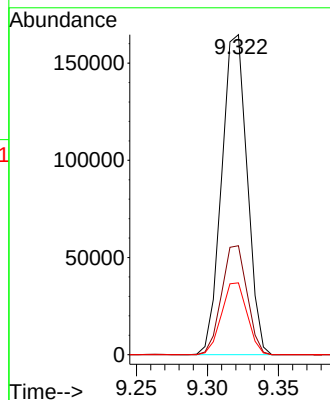
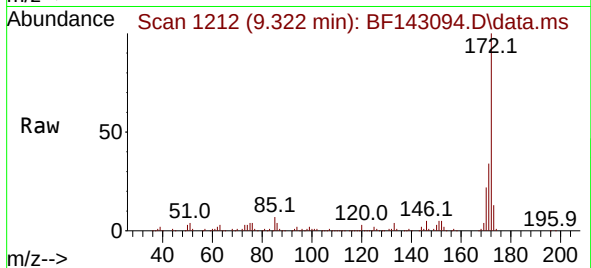
Tgt Ion:172 Resp: 205273

Ion Ratio Lower Upper

172 100

171 34.1 28.2 42.4

170 22.5 18.6 28.0



#46

1,1'-Biphenyl

Concen: 5.486 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

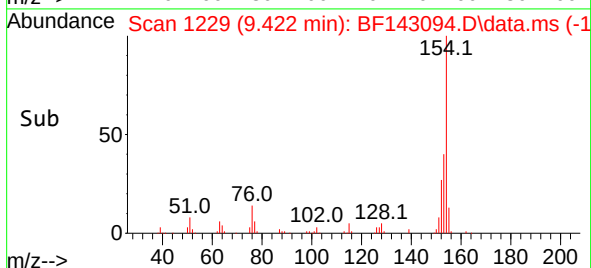
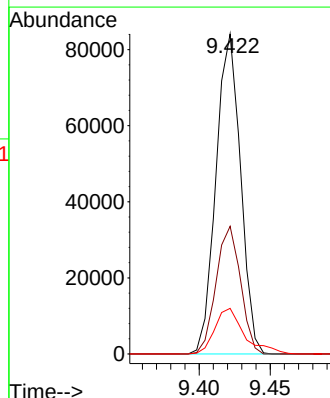
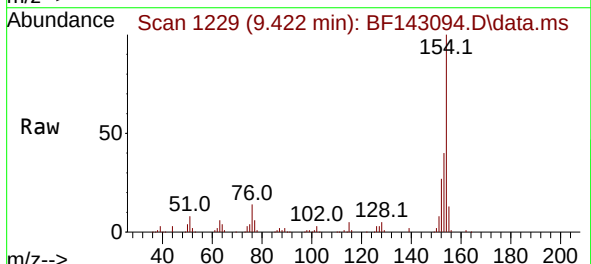
Tgt Ion:154 Resp: 101056

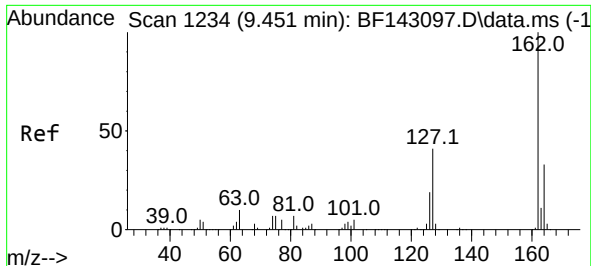
Ion Ratio Lower Upper

154 100

153 39.9 20.1 60.1

76 14.2 0.0 33.7





#47

2-Chloronaphthalene

Concen: 5.423 ng

RT: 9.445 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

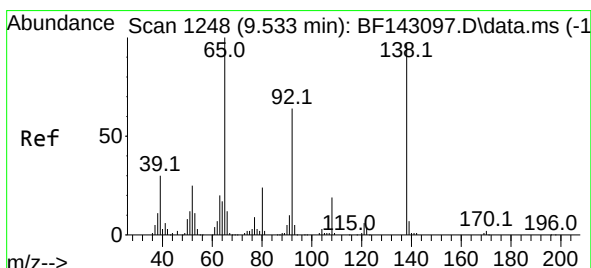
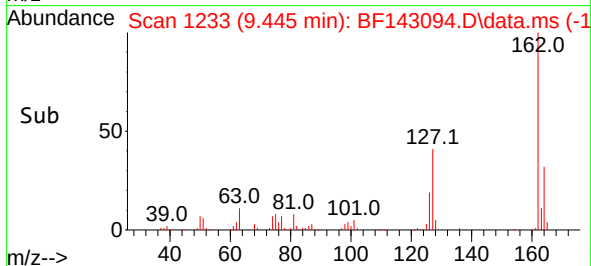
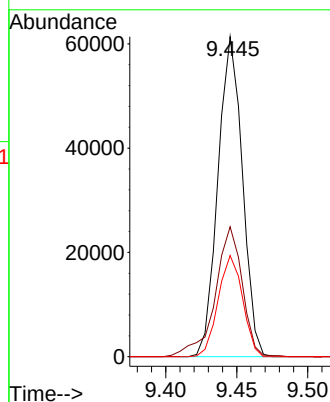
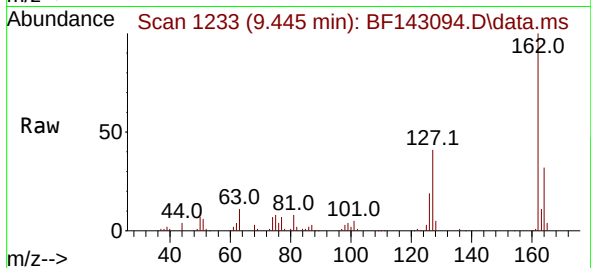
Tgt Ion:162 Resp: 73385

Ion Ratio Lower Upper

162 100

127 40.6 33.0 49.6

164 31.6 26.1 39.1



#48

2-Nitroaniline

Concen: 5.579 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.005 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

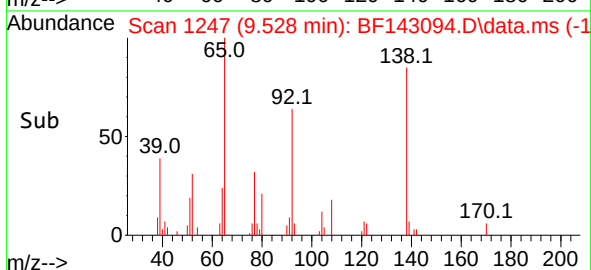
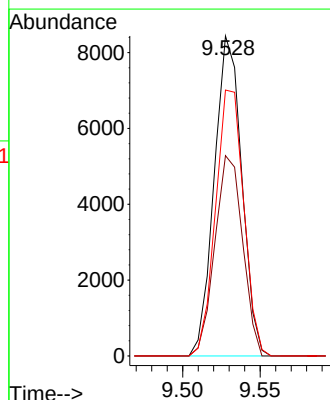
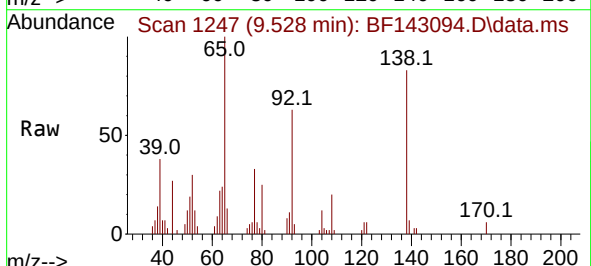
Tgt Ion: 65 Resp: 10398

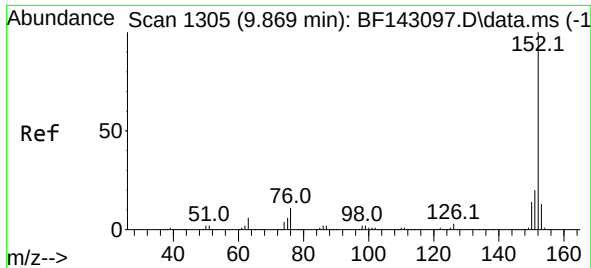
Ion Ratio Lower Upper

65 100

92 62.6 51.3 76.9

138 83.1 77.8 116.6

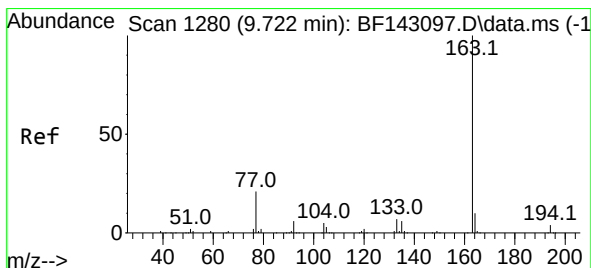
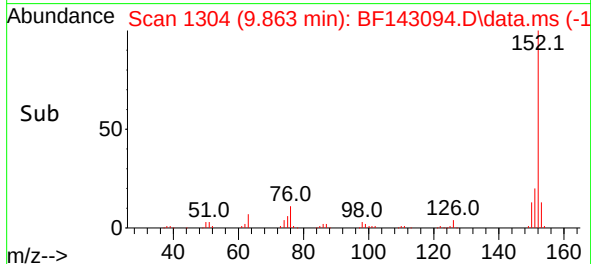
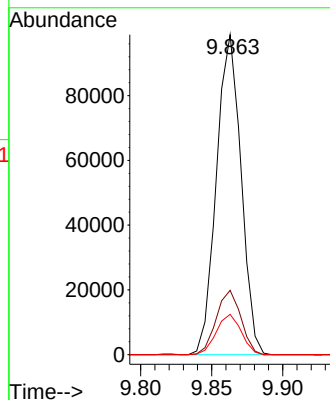
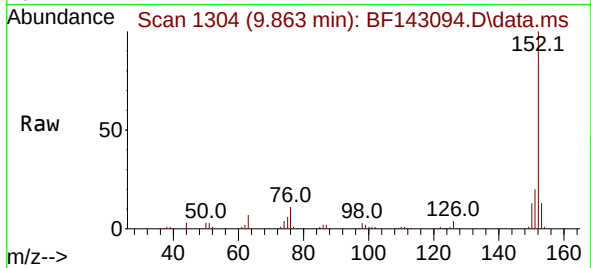




#49
Acenaphthylene
Concen: 5.276 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

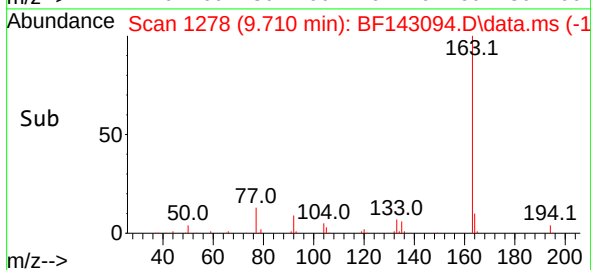
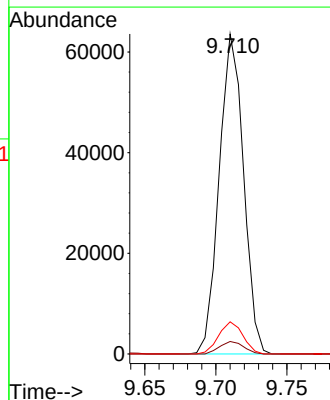
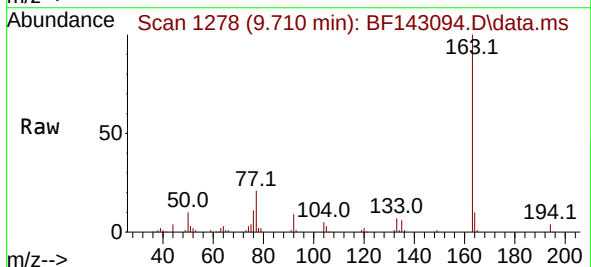
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

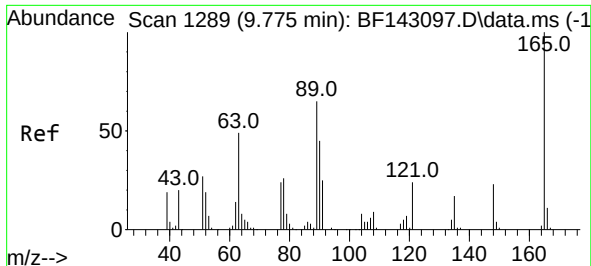
Tgt Ion:152 Resp: 118965
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.8
153 12.6 10.4 15.6



#50
Dimethylphthalate
Concen: 5.207 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:163 Resp: 75659
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 5.308 ng

RT: 9.769 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

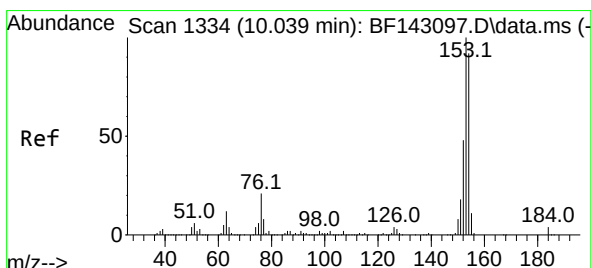
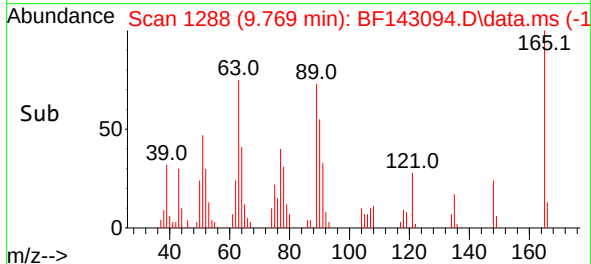
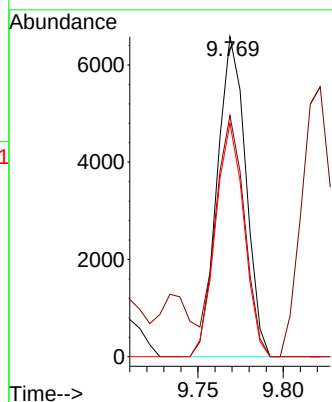
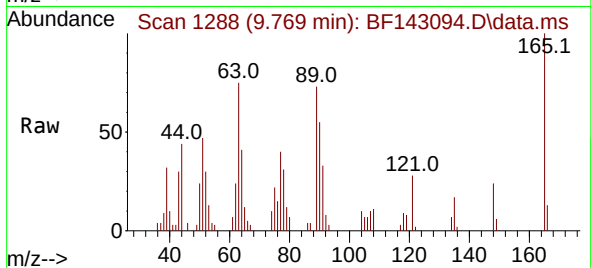
Tgt Ion:165 Resp: 7659

Ion Ratio Lower Upper

165 100

63 75.4 57.4 86.0

89 72.9 51.8 77.8



#52

Acenaphthene

Concen: 5.526 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

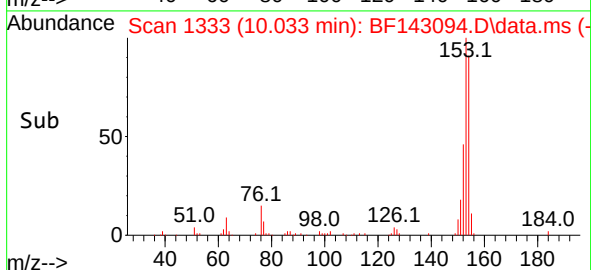
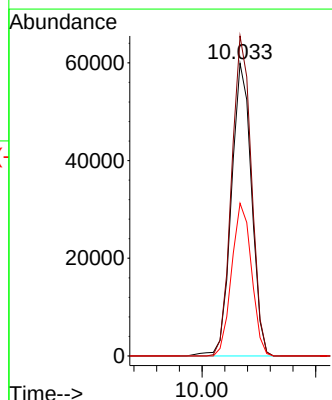
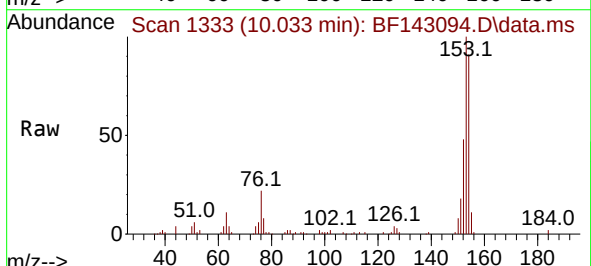
Tgt Ion:154 Resp: 73531

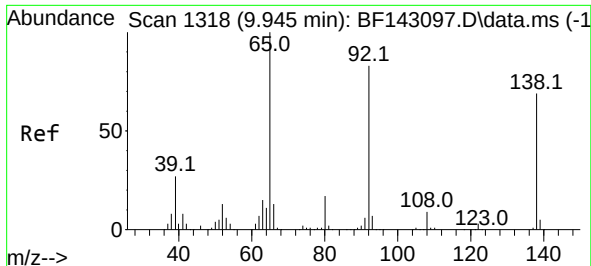
Ion Ratio Lower Upper

154 100

153 109.4 86.7 130.1

152 52.2 41.4 62.2

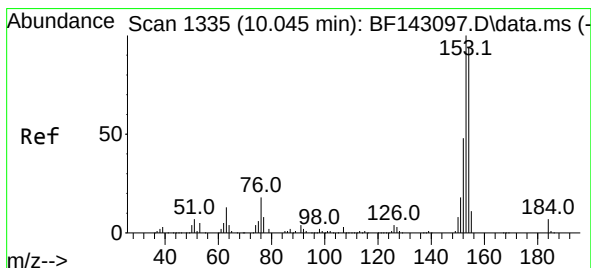
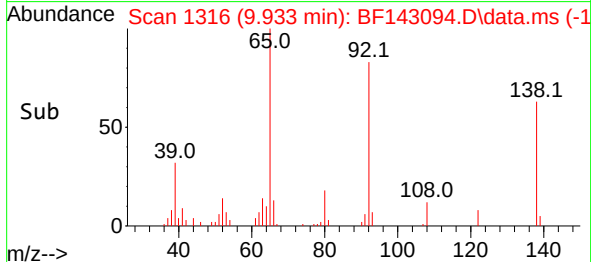
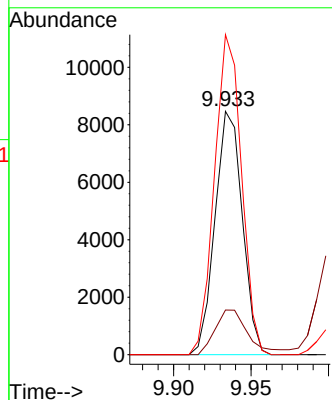
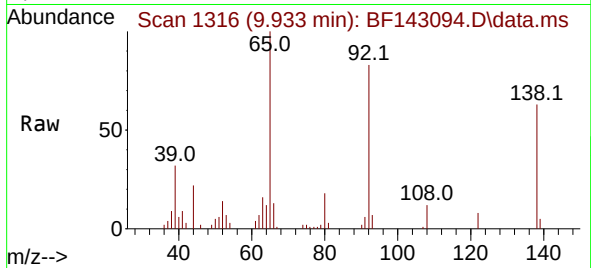




#53
3-Nitroaniline
Concen: 3.307 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

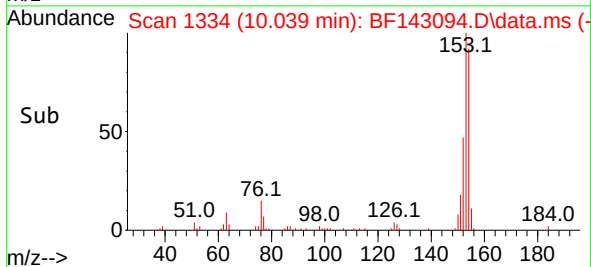
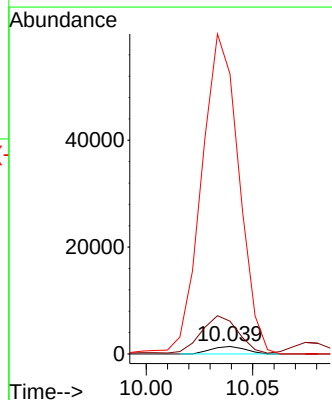
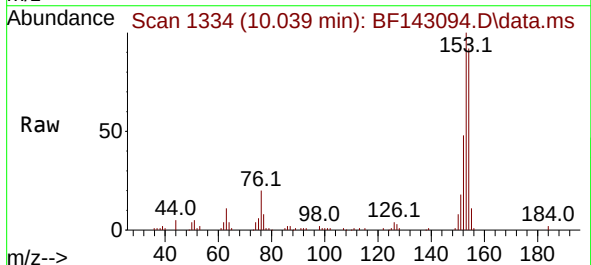
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

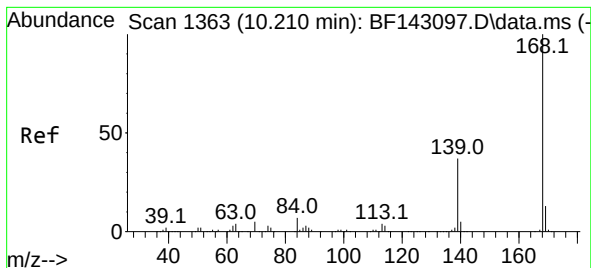
Tgt Ion:138 Resp: 10382
Ion Ratio Lower Upper
138 100
108 18.3 10.1 15.1#
92 131.5 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 6.786 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:184 Resp: 1579
Ion Ratio Lower Upper
184 100
63 432.7 149.3 223.9#
154 3700.8 1048.0 1572.0#





#55

Dibenzofuran

Concen: 5.518 ng

RT: 10.204 min Scan# 1362

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

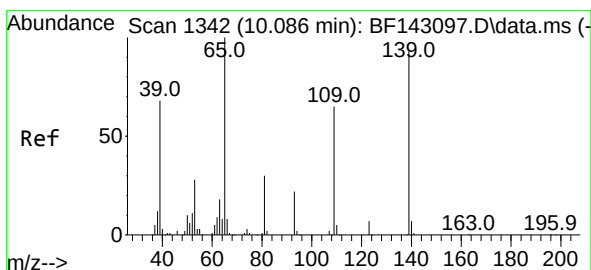
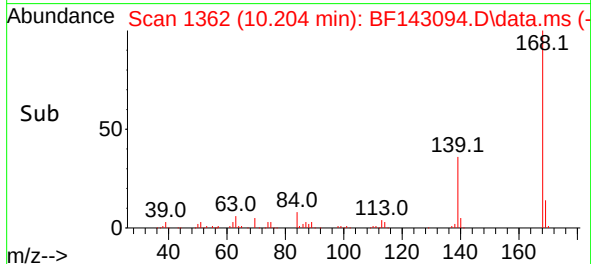
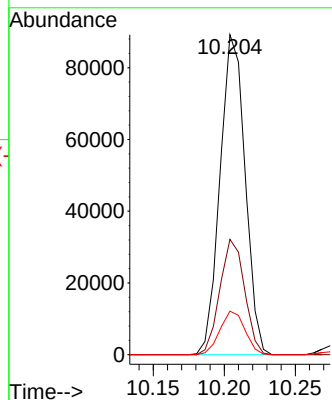
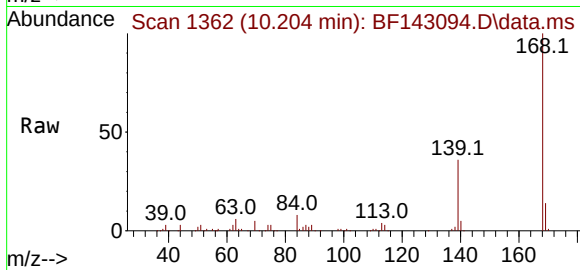
Tgt Ion:168 Resp: 109432

Ion Ratio Lower Upper

168 100

139 36.1 29.8 44.6

169 13.6 10.8 16.2



#56

4-Nitrophenol

Concen: 2.986 ng

RT: 10.081 min Scan# 1341

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

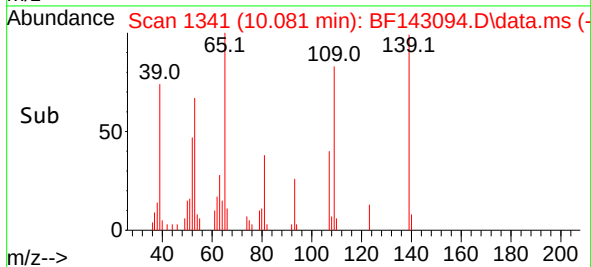
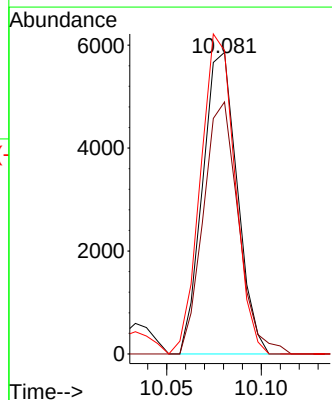
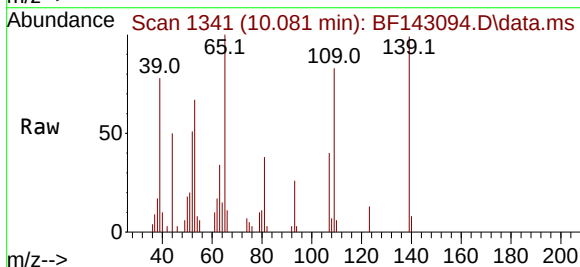
Tgt Ion:139 Resp: 7451

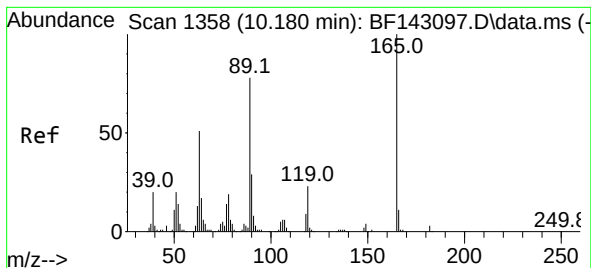
Ion Ratio Lower Upper

139 100

109 83.6 49.4 89.4

65 100.6 88.2 128.2

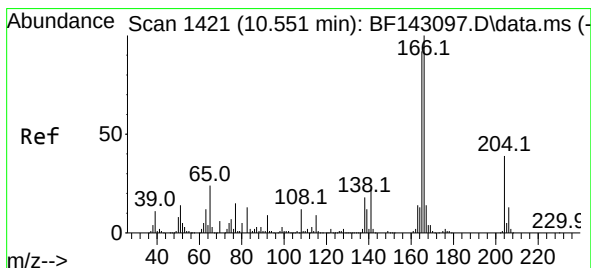
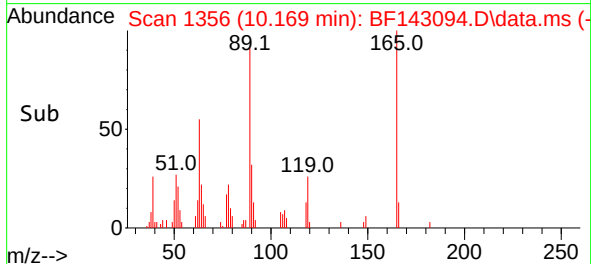
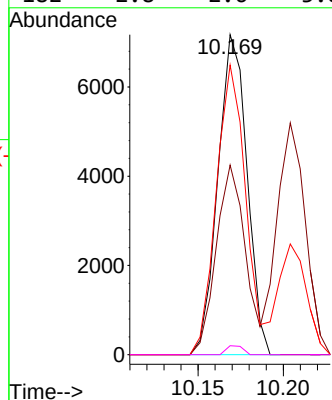
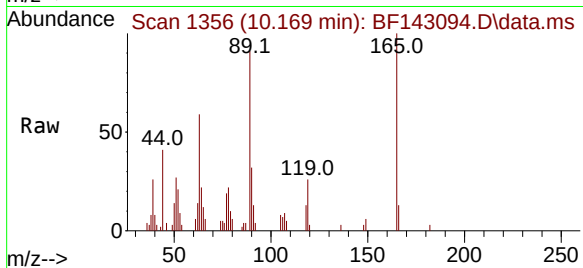




#57
2,4-Dinitrotoluene
Concen: 5.606 ng
RT: 10.169 min Scan# 1356
Delta R.T. -0.011 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

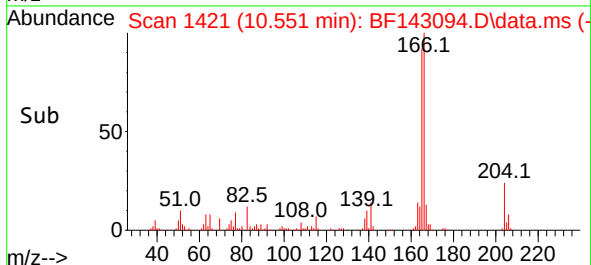
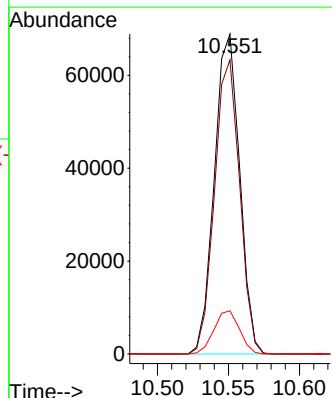
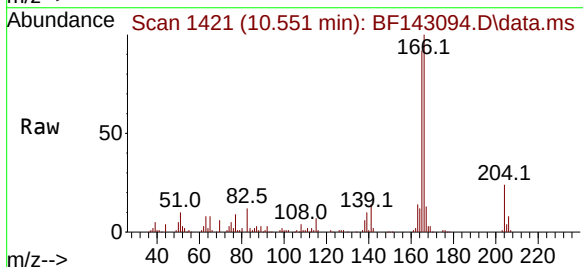
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

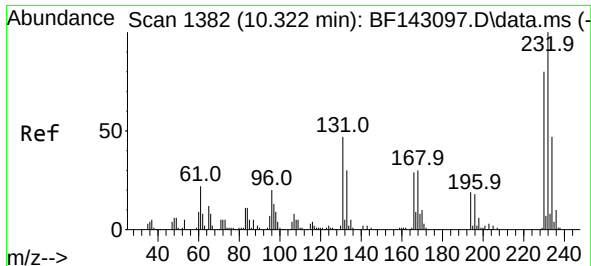
Tgt Ion:	165	Resp:	8515
Ion Ratio	Lower	Upper	
165	100		
63	59.3	40.6	61.0
89	90.5	62.3	93.5
182	2.8	2.6	3.8



#58
Fluorene
Concen: 5.738 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:	166	Resp:	85318
Ion Ratio	Lower	Upper	
166	100		
165	91.9	73.7	110.5
167	13.5	10.9	16.3

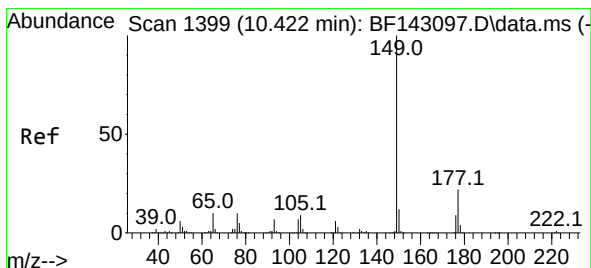
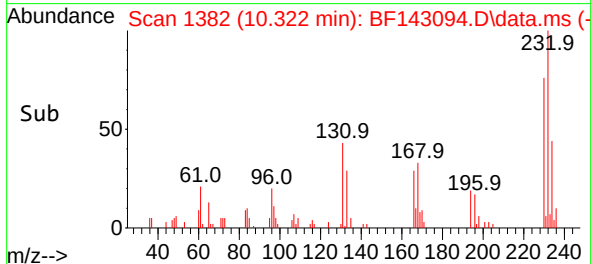
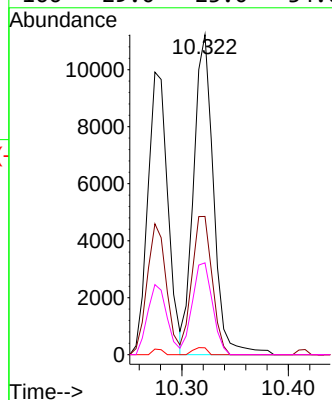
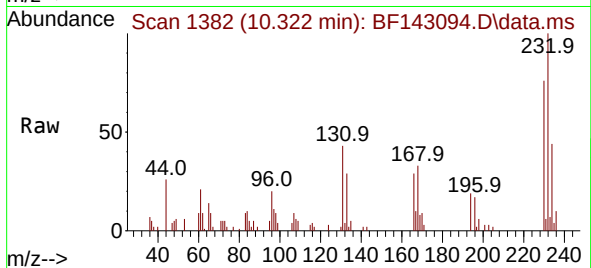




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.192 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

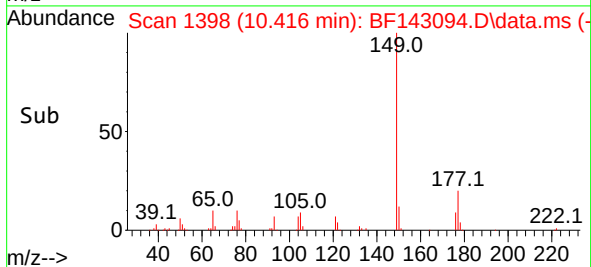
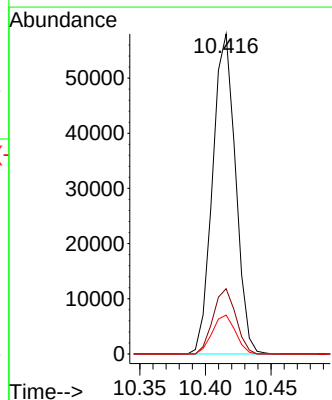
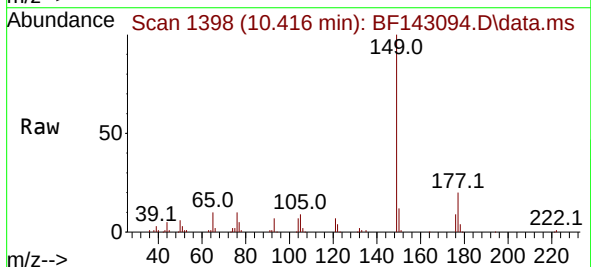
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

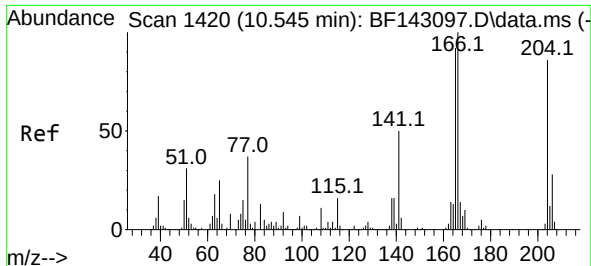
Tgt Ion:232 Resp: 14610
Ion Ratio Lower Upper
232 100
131 43.7 36.9 55.3
130 1.5 1.8 2.8#
166 29.0 23.0 34.6



#60
Diethylphthalate
Concen: 5.031 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 70533
Ion Ratio Lower Upper
149 100
177 20.4 17.3 25.9
150 12.1 9.9 14.9

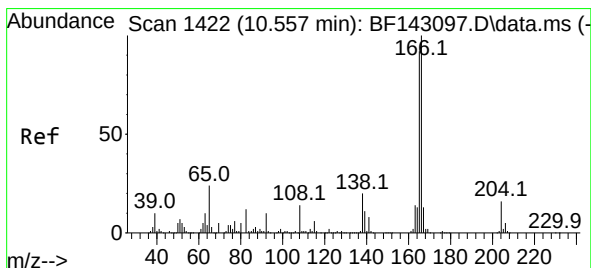
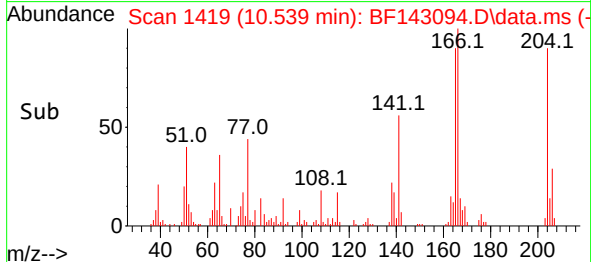
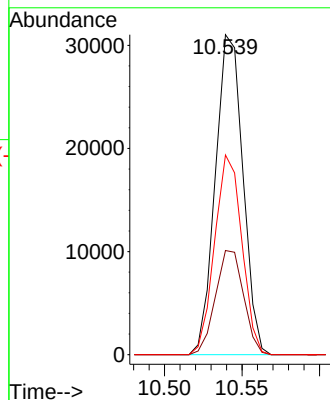
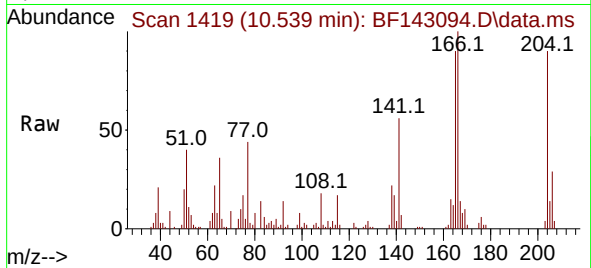




#61
4-Chlorophenyl-phenylether
Concen: 5.395 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

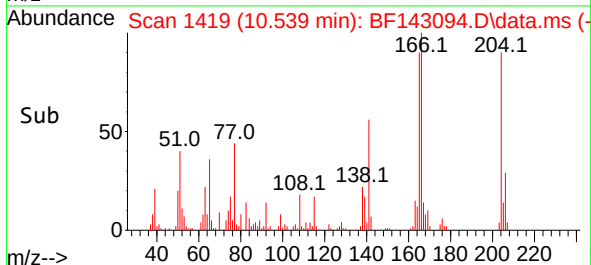
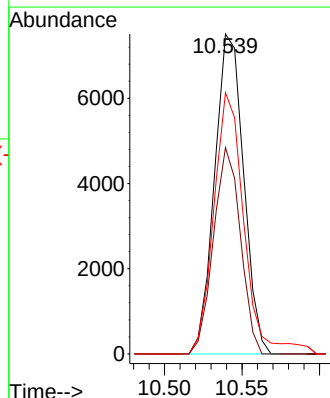
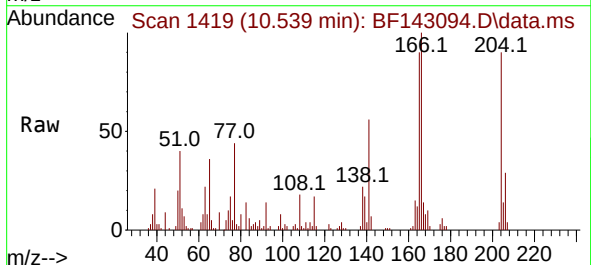
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

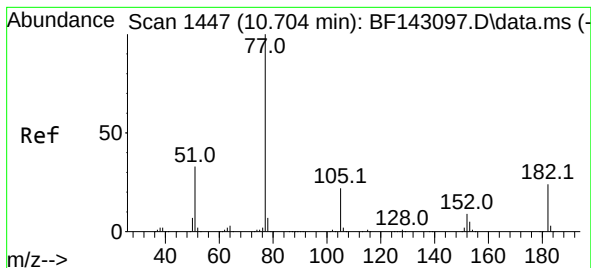
Tgt Ion:204 Resp: 38452
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.6
141 62.4 46.8 70.2



#62
4-Nitroaniline
Concen: 3.581 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:138 Resp: 9779
Ion Ratio Lower Upper
138 100
92 64.5 30.4 70.4
108 81.6 49.5 89.5





#63

Azobenzene

Concen: 5.308 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 77 Resp: 82291

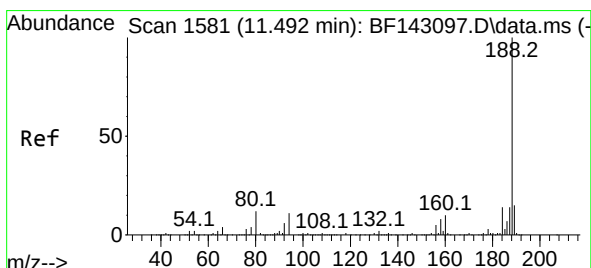
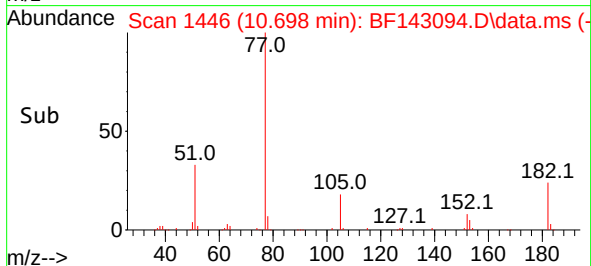
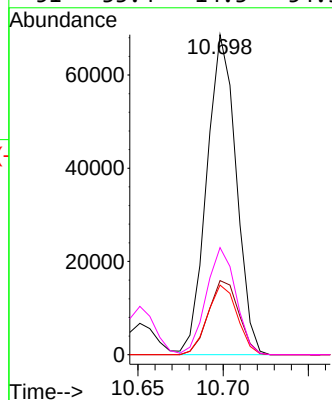
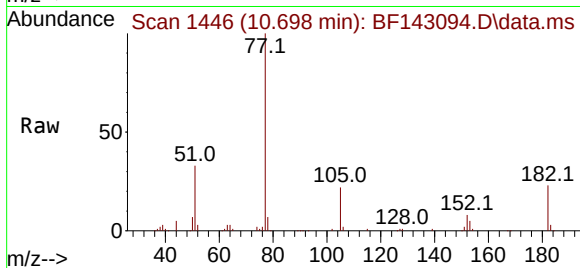
Ion Ratio Lower Upper

77 100

182 23.1 4.0 44.0

105 21.8 1.4 41.4

51 33.4 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

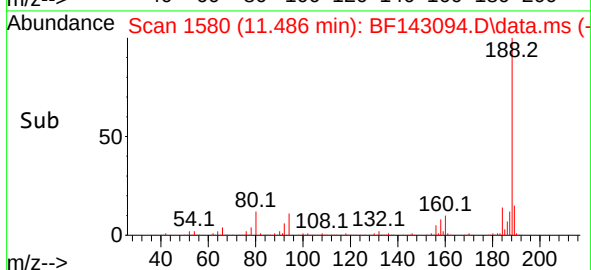
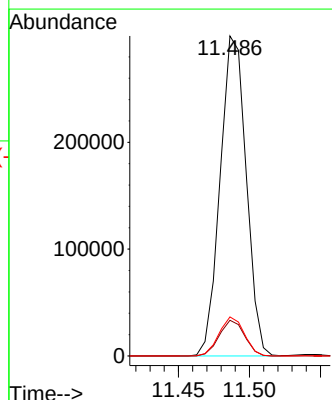
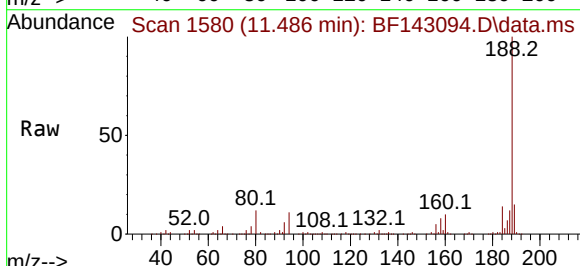
Tgt Ion: 188 Resp: 382578

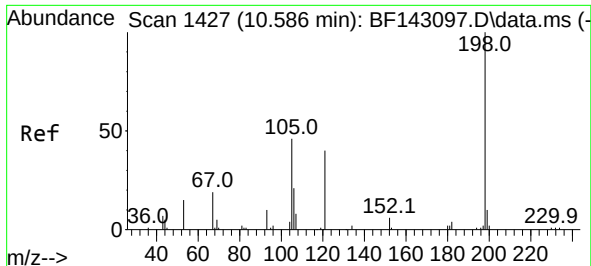
Ion Ratio Lower Upper

188 100

94 11.2 8.6 13.0

80 12.2 9.3 13.9

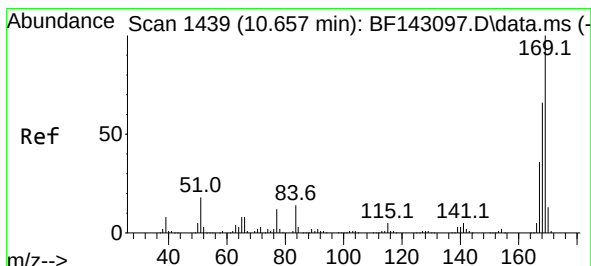
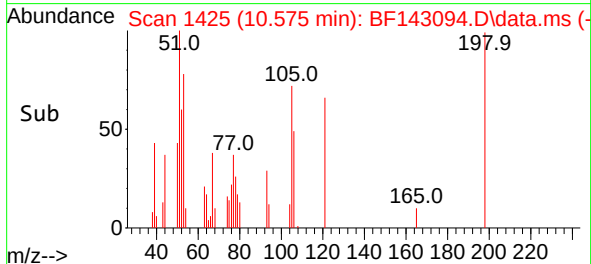
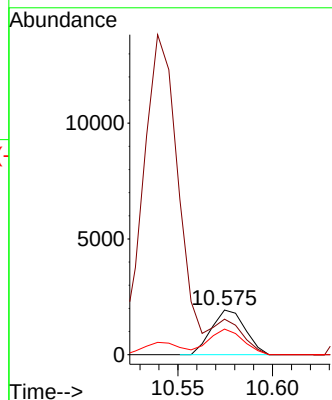
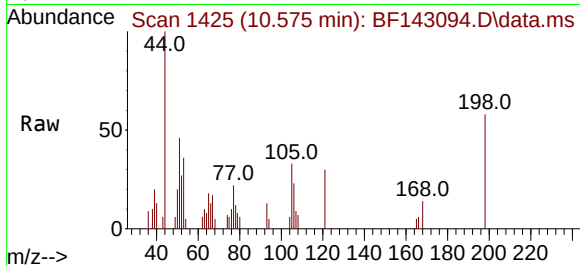




#65
4,6-Dinitro-2-methylphenol
Concen: 7.224 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.011 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

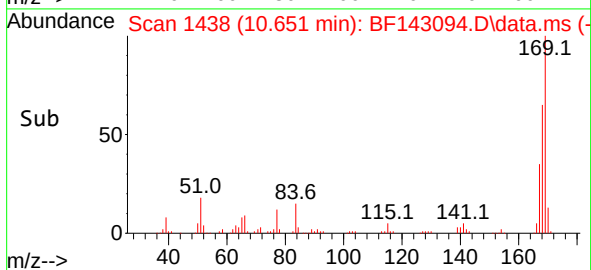
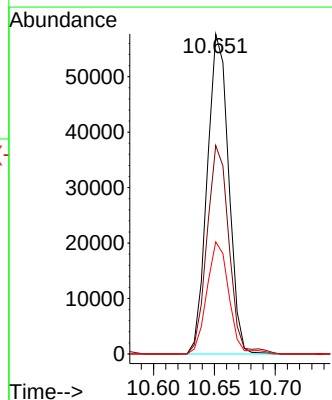
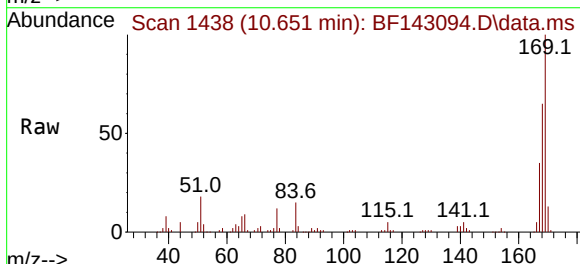
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

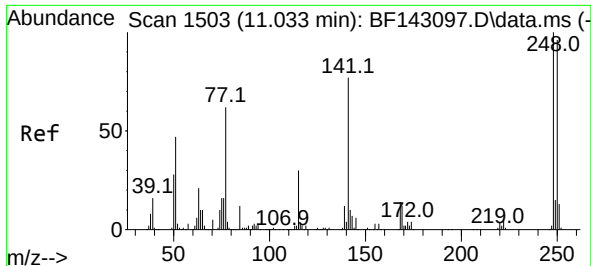
Tgt Ion:198 Resp: 2390
Ion Ratio Lower Upper
198 100
51 79.6 44.6 84.6
105 57.4 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 5.231 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:169 Resp: 70293
Ion Ratio Lower Upper
169 100
168 65.2 53.0 79.6
167 35.1 28.4 42.6

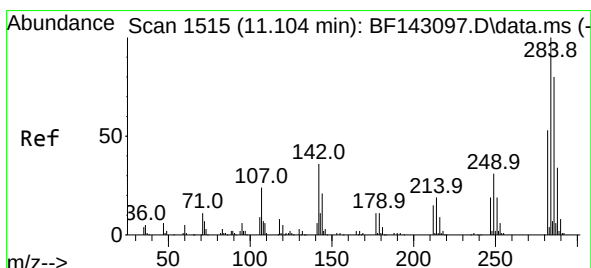
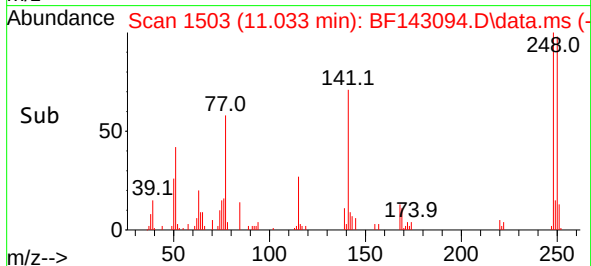
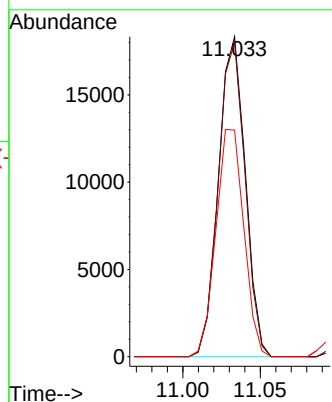
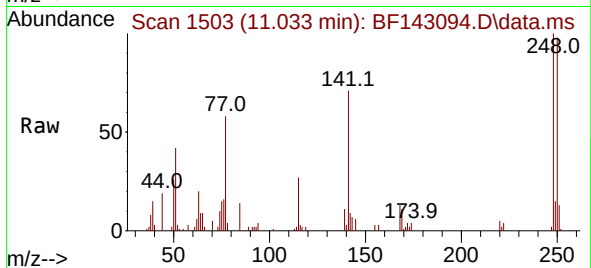




#67
4-Bromophenyl-phenylether
Concen: 5.086 ng
RT: 11.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

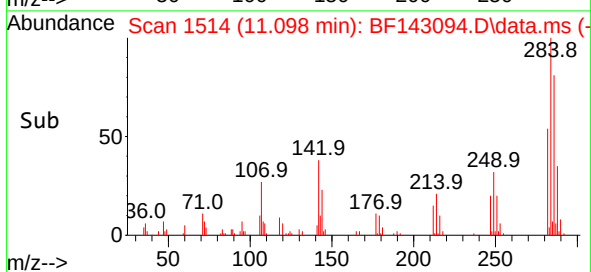
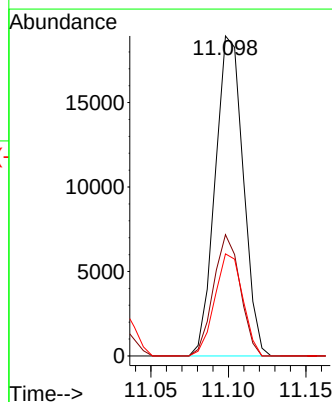
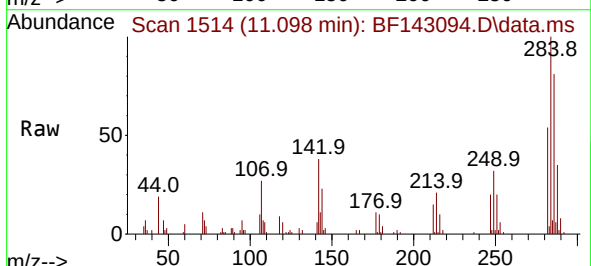
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

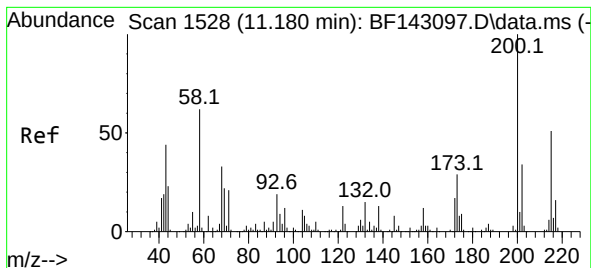
Tgt Ion:248 Resp: 22127
Ion Ratio Lower Upper
248 100
250 98.3 76.7 115.1
141 70.8 61.7 92.5



#68
Hexachlorobenzene
Concen: 5.160 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:284 Resp: 23819
Ion Ratio Lower Upper
284 100
142 37.9 28.9 43.3
249 31.9 24.6 37.0





#69

Atrazine

Concen: 4.393 ng

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

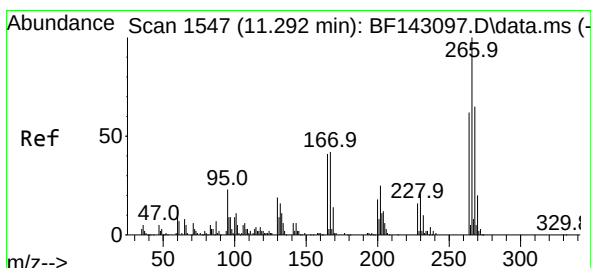
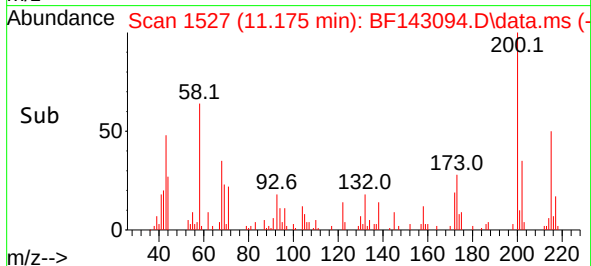
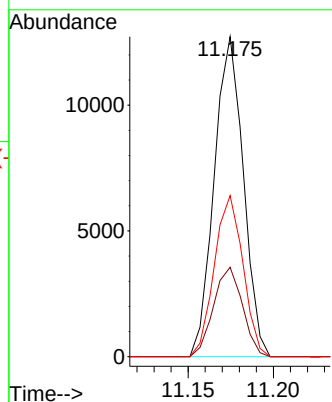
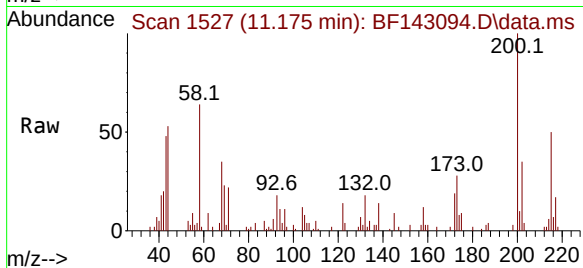
Tgt Ion:200 Resp: 15103

Ion Ratio Lower Upper

200 100

173 27.9 9.1 49.1

215 50.4 31.0 71.0



#70

Pentachlorophenol

Concen: 3.112 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.006 min

Lab File: BF143094.D

Acq: 15 Jul 2025 13:35

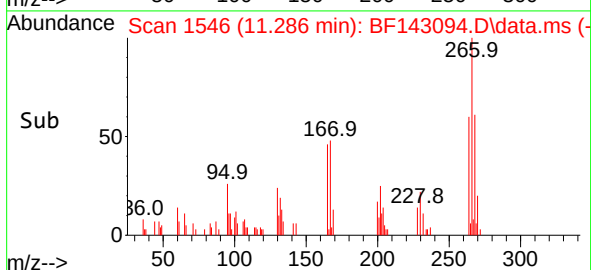
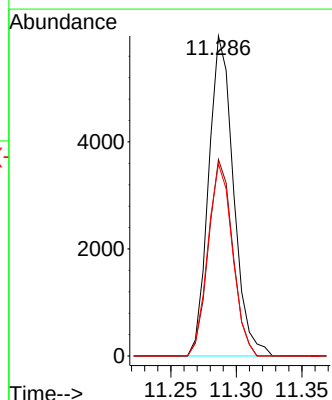
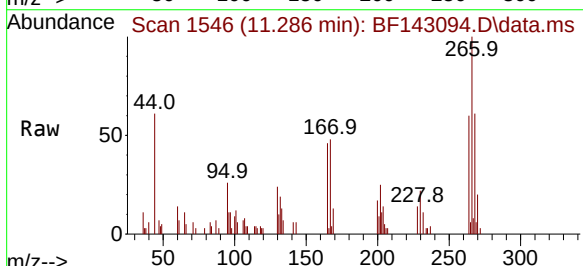
Tgt Ion:266 Resp: 7881

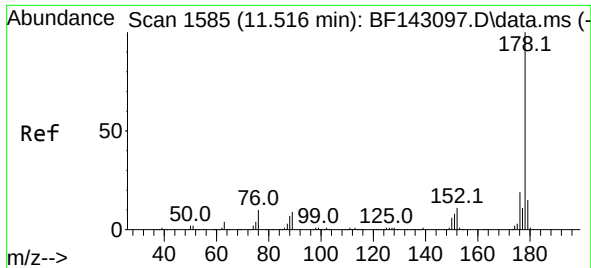
Ion Ratio Lower Upper

266 100

268 61.4 51.8 77.6

264 60.0 49.7 74.5

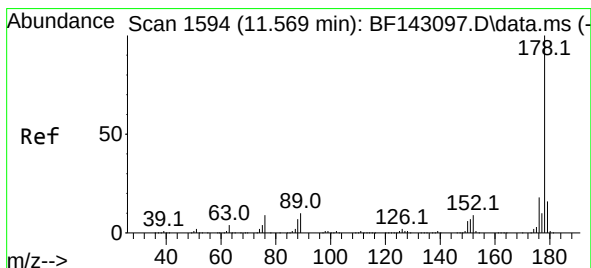
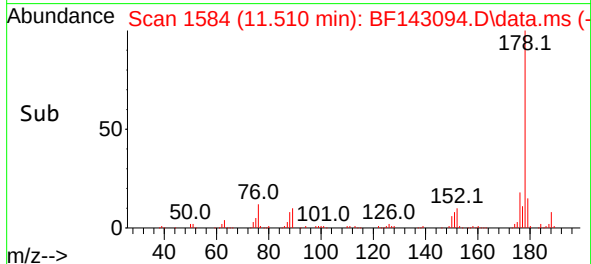
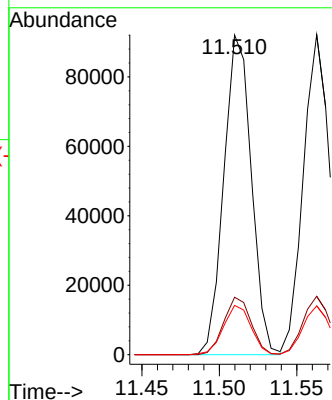
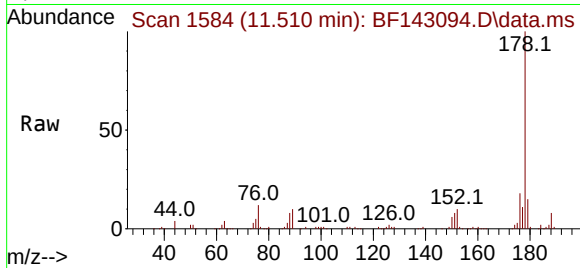




#71
Phenanthrene
Concen: 5.511 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

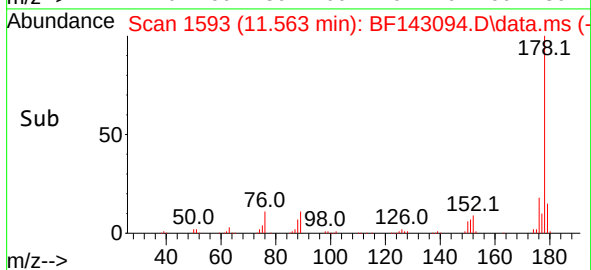
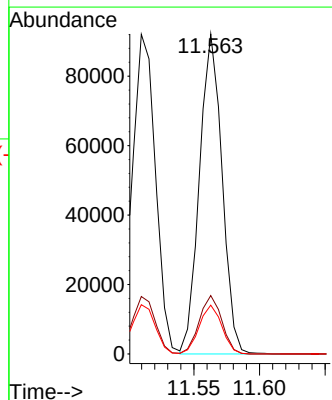
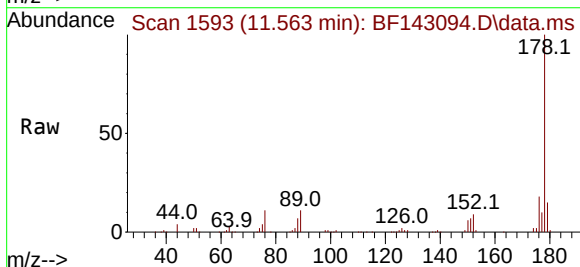
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

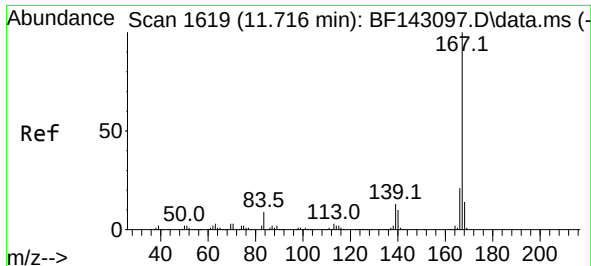
Tgt Ion:178 Resp: 113784
Ion Ratio Lower Upper
178 100
176 18.0 15.1 22.7
179 15.4 12.2 18.4



#72
Anthracene
Concen: 5.335 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:178 Resp: 110778
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.2 12.4 18.6

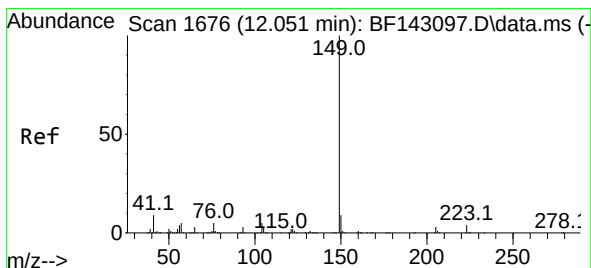
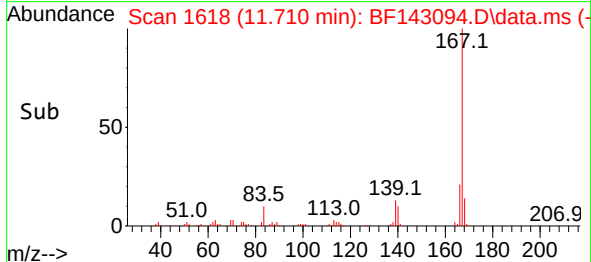
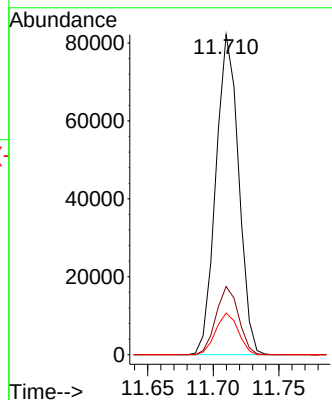
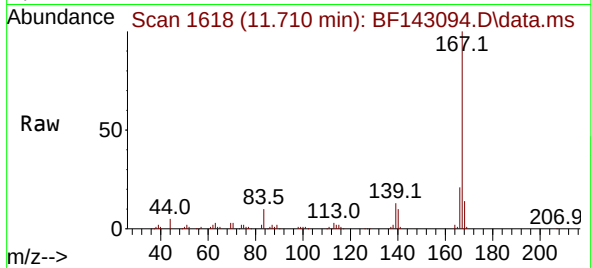




#73
 Carbazole
 Concen: 5.335 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. -0.006 min
 Lab File: BF143094.D
 Acq: 15 Jul 2025 13:35

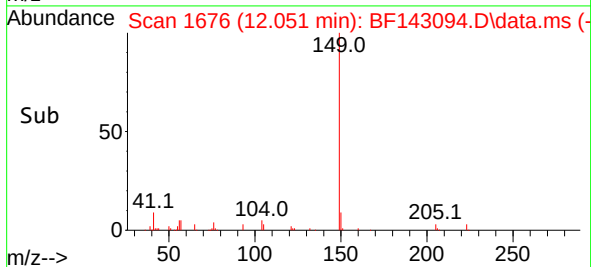
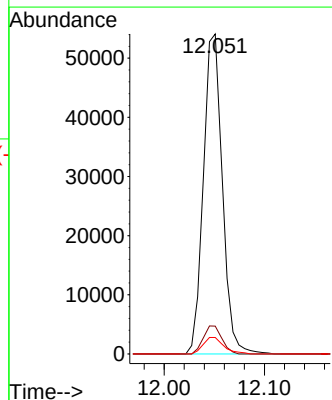
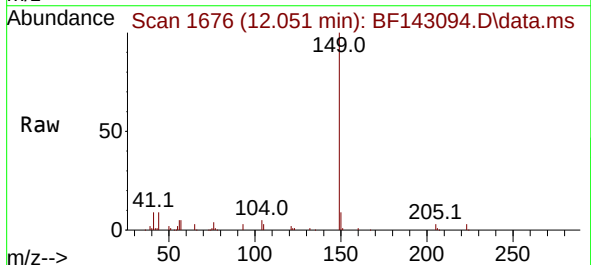
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

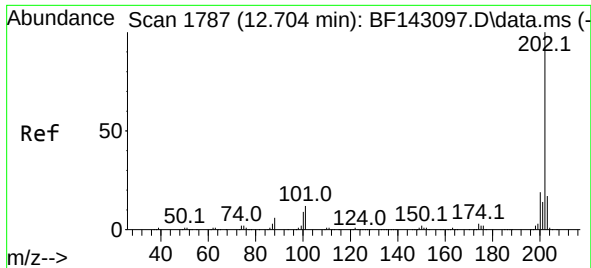
Tgt Ion:167 Resp: 99235
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.4
 139 13.0 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 4.179 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. 0.000 min
 Lab File: BF143094.D
 Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 71352
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.3 10.9
 104 5.1 3.8 5.8

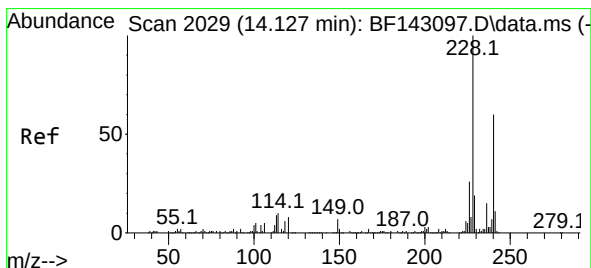
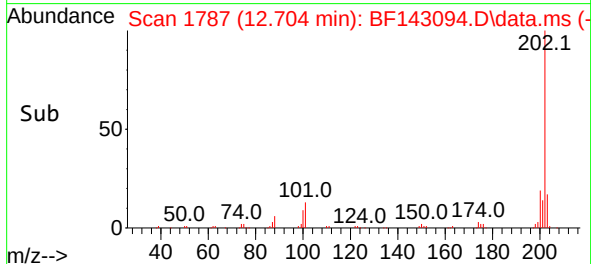
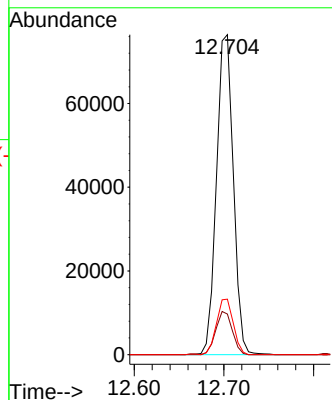
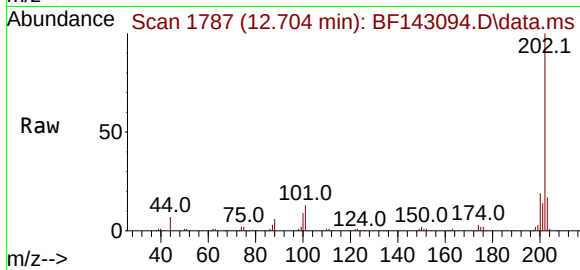




#75
Fluoranthene
Concen: 5.320 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

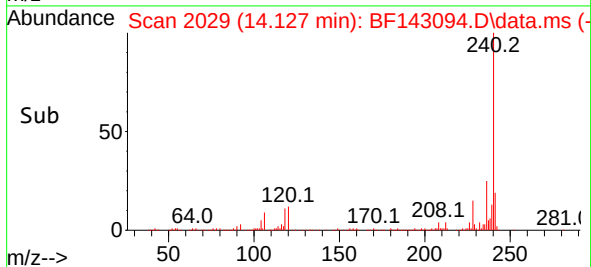
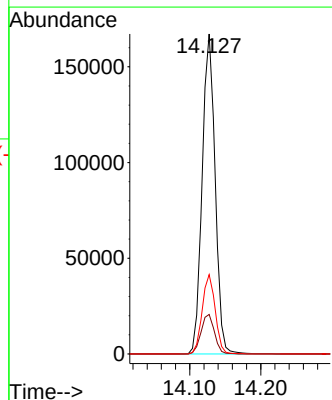
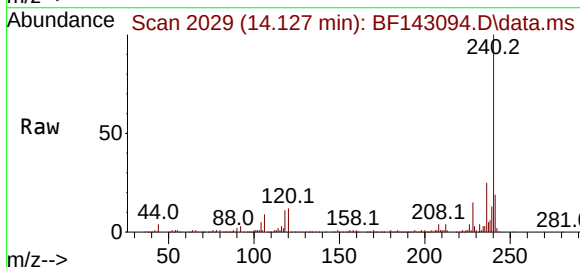
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

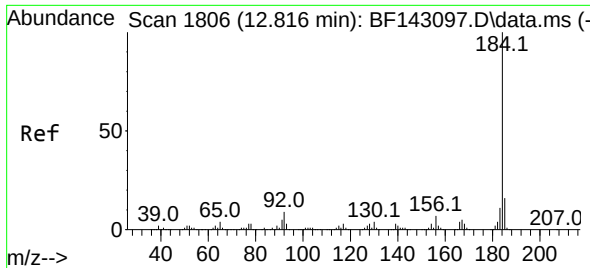
Tgt Ion:202 Resp: 99884
Ion Ratio Lower Upper
202 100
101 12.7 0.0 32.4
203 17.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:240 Resp: 212909
Ion Ratio Lower Upper
240 100
120 12.4 10.0 15.0
236 24.8 20.0 30.0

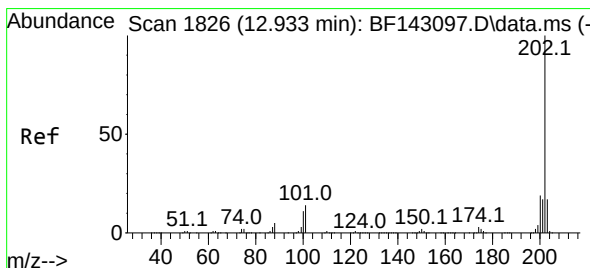
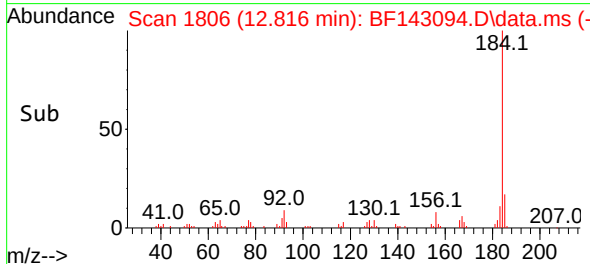
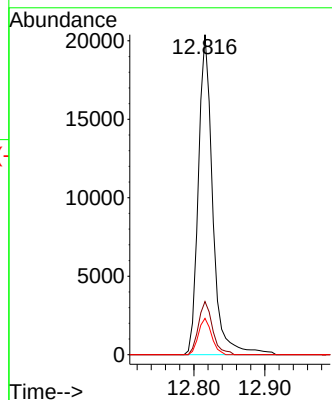
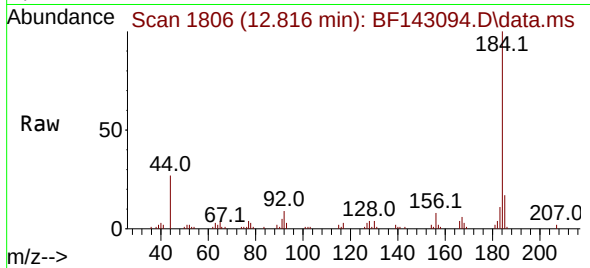




#77
Benzidine
Concen: 3.953 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

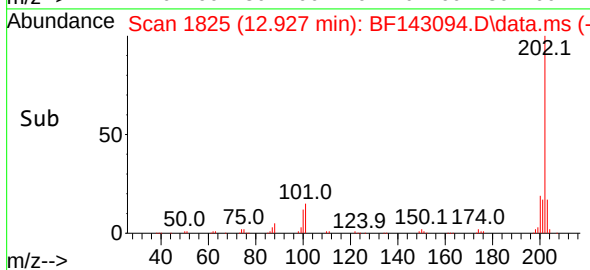
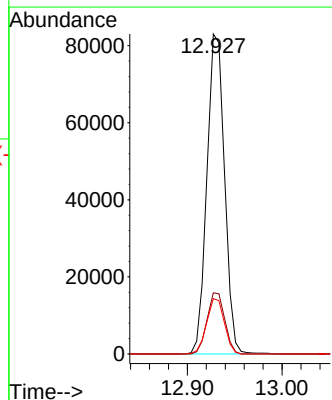
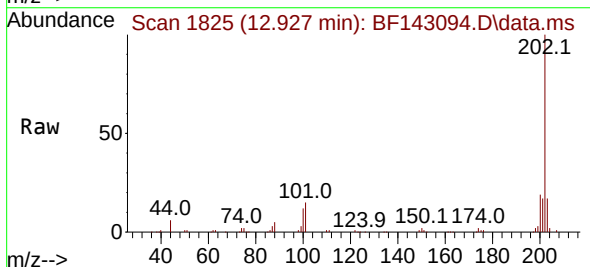
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

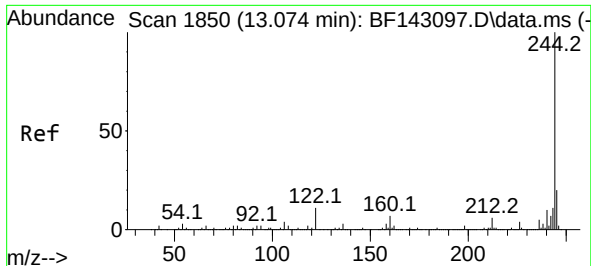
Tgt Ion:184 Resp: 28673
Ion Ratio Lower Upper
184 100
185 16.6 12.4 18.6
183 11.3 8.6 12.8



#78
Pyrene
Concen: 5.436 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:202 Resp: 107389
Ion Ratio Lower Upper
202 100
200 19.1 15.5 23.3
203 17.3 14.0 21.0

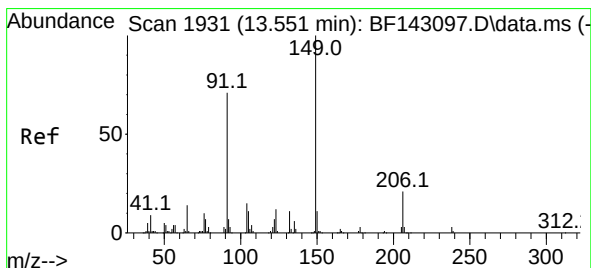
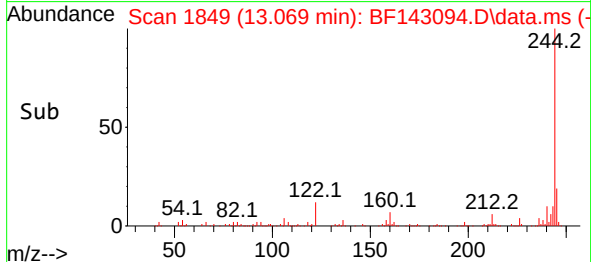
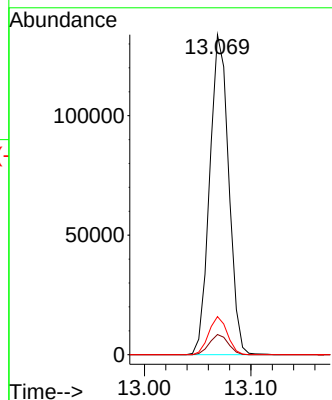
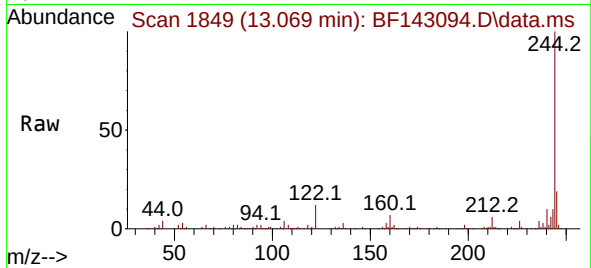




#79
 Terphenyl-d14
 Concen: 11.424 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. -0.006 min
 Lab File: BF143094.D
 Acq: 15 Jul 2025 13:35

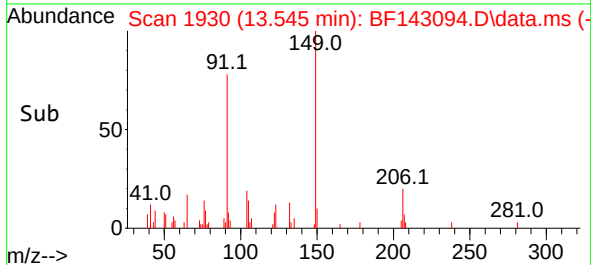
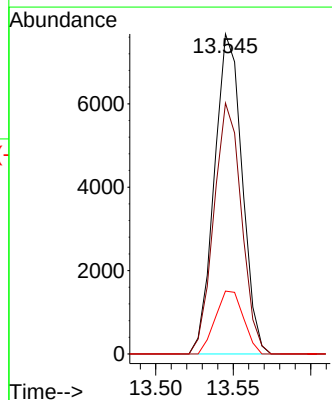
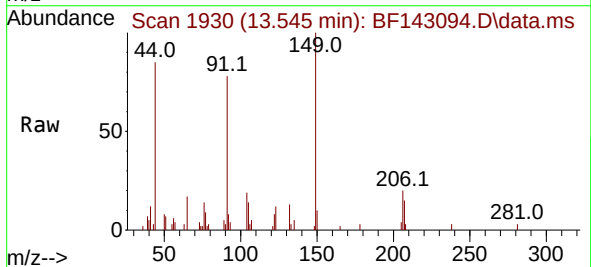
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

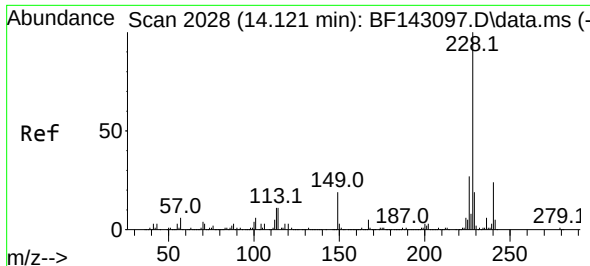
Tgt Ion:244 Resp: 166389
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 11.9 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 5.646 ng
 RT: 13.545 min Scan# 1930
 Delta R.T. -0.006 min
 Lab File: BF143094.D
 Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 9546
 Ion Ratio Lower Upper
 149 100
 91 78.4 57.0 85.4
 206 19.7 17.2 25.8

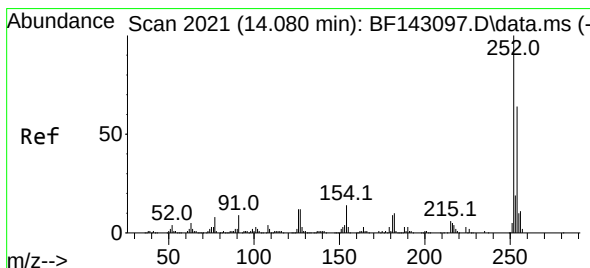
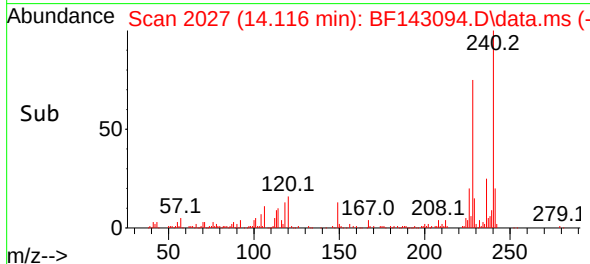
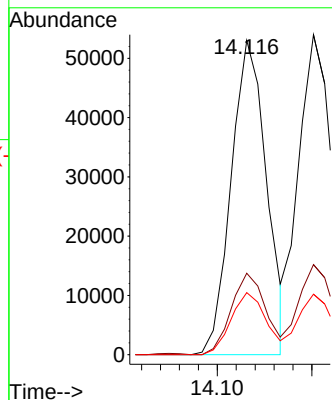
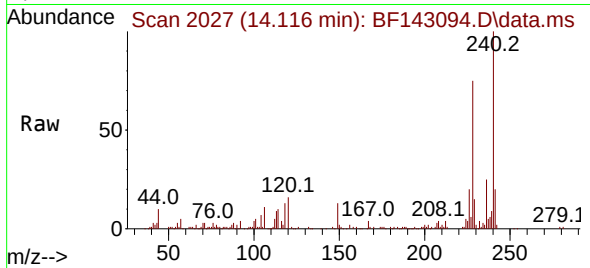




#81
Benzo(a)anthracene
Concen: 4.863 ng
RT: 14.116 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

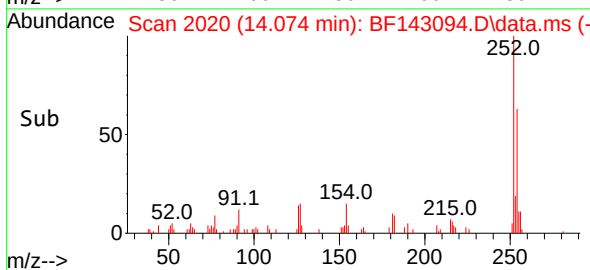
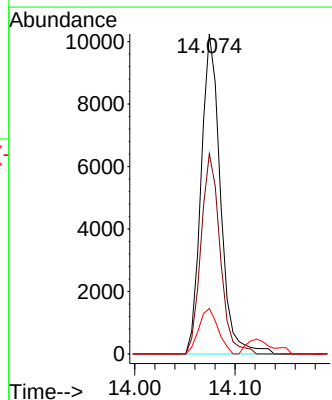
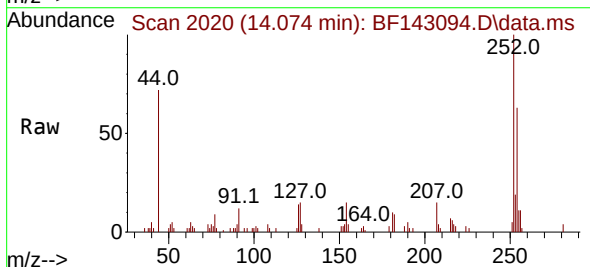
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

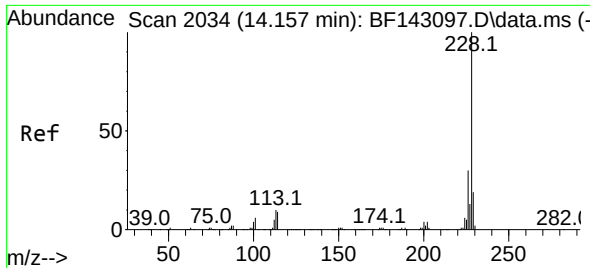
Tgt Ion:228 Resp: 68990
Ion Ratio Lower Upper
228 100
226 25.9 21.3 31.9
229 19.7 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 3.327 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 13706
Ion Ratio Lower Upper
252 100
254 62.5 51.5 77.3
126 14.2 9.4 14.0#

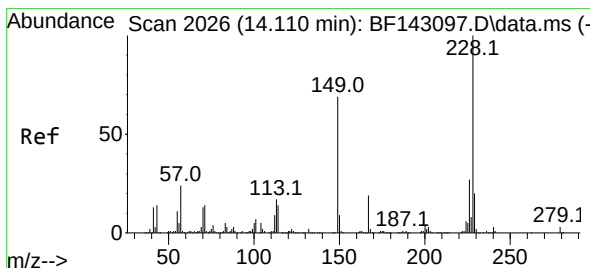
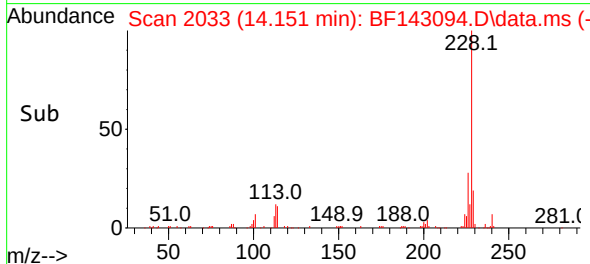
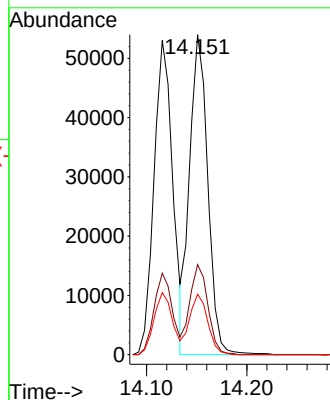
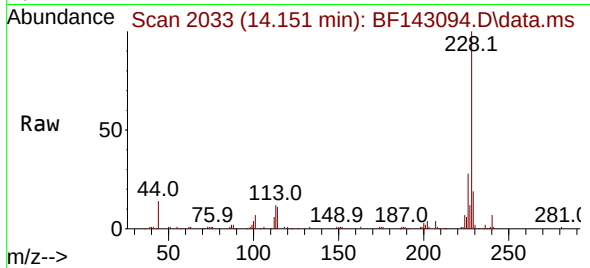




#83
Chrysene
Concen: 5.239 ng
RT: 14.151 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

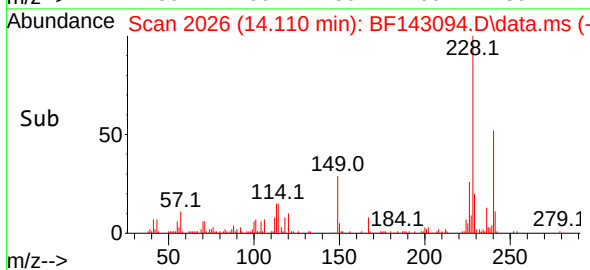
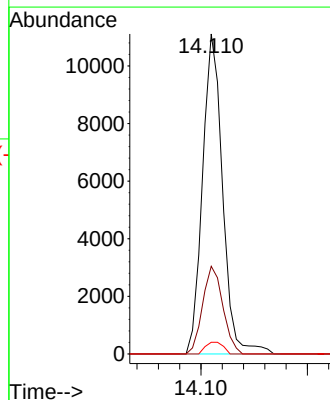
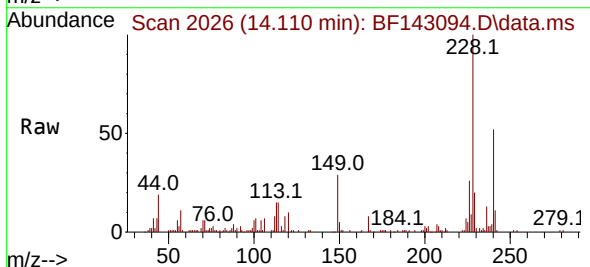
Instrument :
BNA_F
ClientSampleId :
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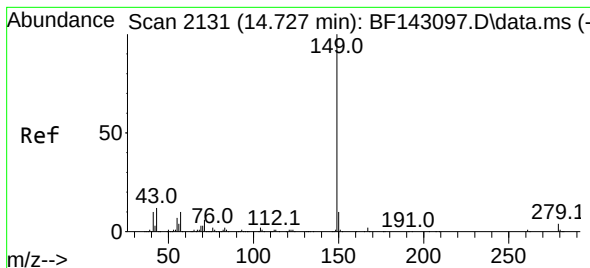
Tgt Ion:228 Resp: 68451
Ion Ratio Lower Upper
228 100
226 28.2 23.4 35.2
229 18.9 15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.667 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 14537
Ion Ratio Lower Upper
149 100
167 27.4 21.9 32.9
279 3.6 3.4 5.0

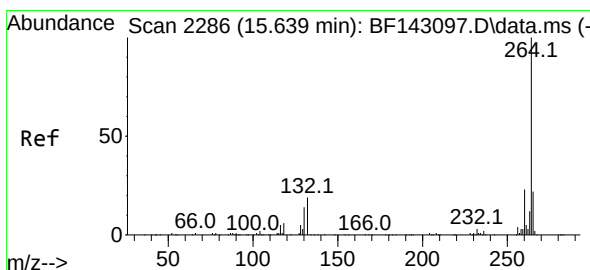
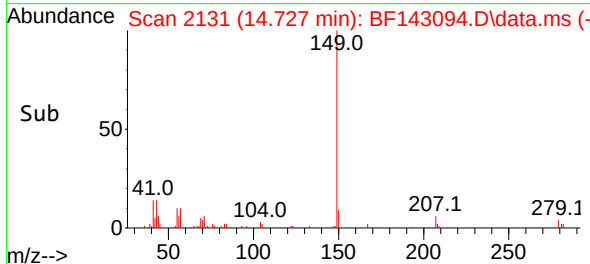
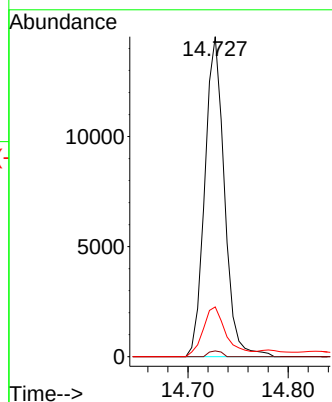
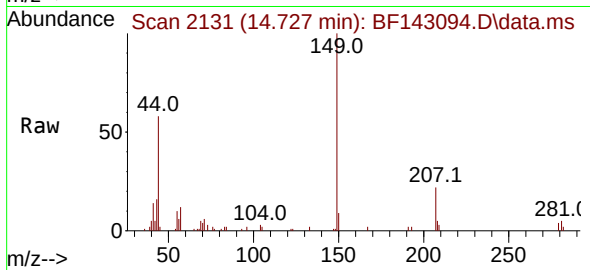




#85
Di-n-octyl phthalate
Concen: 8.196 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

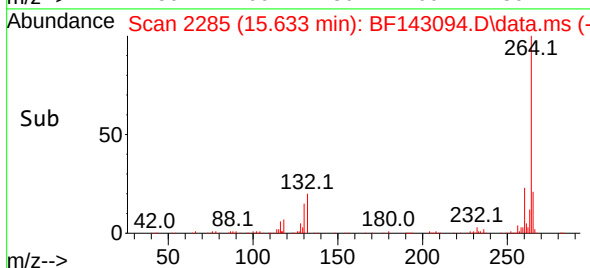
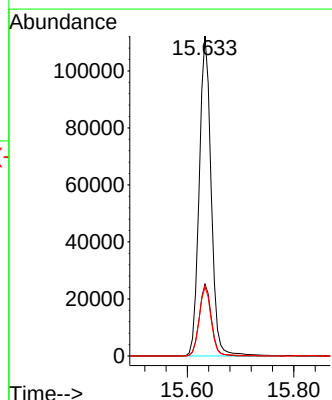
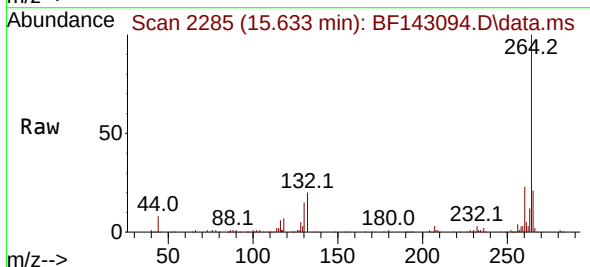
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

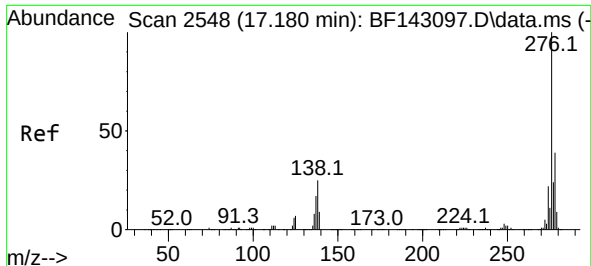
Tgt Ion:149 Resp: 19796
Ion Ratio Lower Upper
149 100
167 1.2 1.2 1.8
43 18.5 10.6 16.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:264 Resp: 174154
Ion Ratio Lower Upper
264 100
260 22.5 18.5 27.7
265 21.5 17.5 26.3

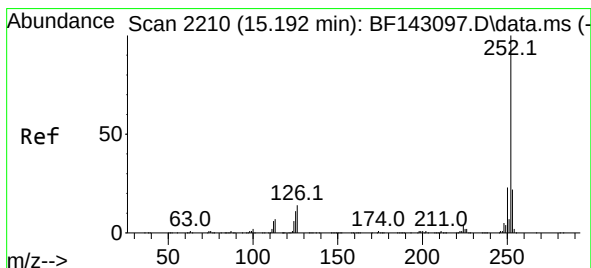
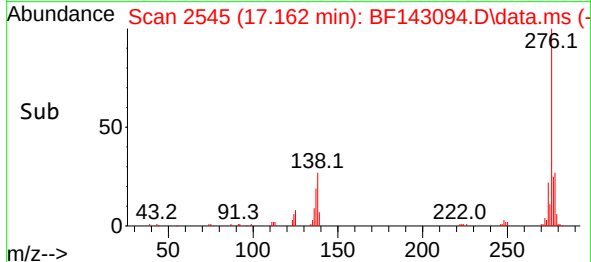
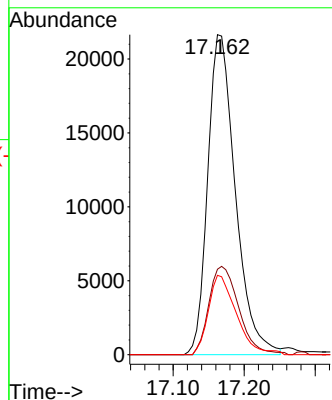
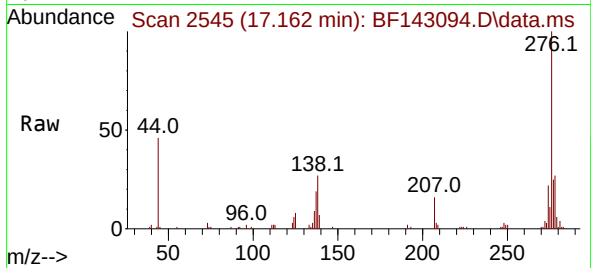




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.521 ng
 RT: 17.162 min Scan# 2109
 Delta R.T. -0.018 min
 Lab File: BF143094.D
 Acq: 15 Jul 2025 13:35

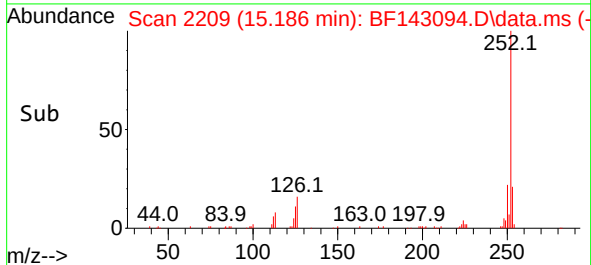
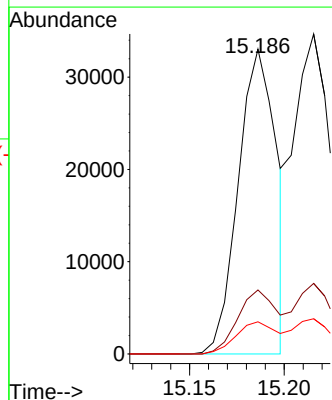
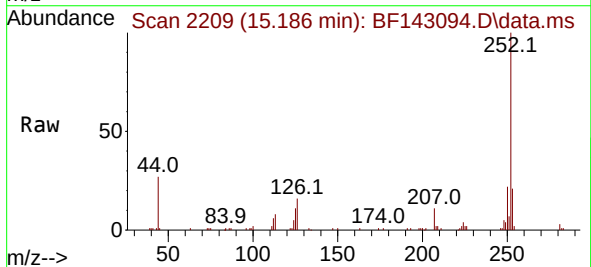
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

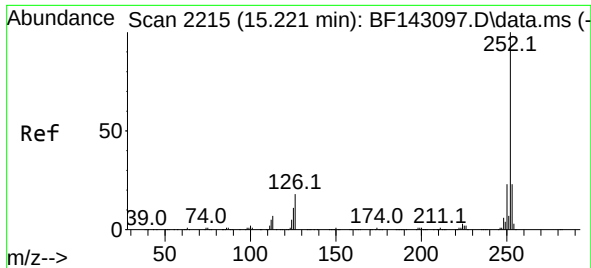
Tgt Ion:276 Resp: 58565
 Ion Ratio Lower Upper
 276 100
 138 29.8 22.6 34.0
 277 25.1 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 4.607 ng
 RT: 15.186 min Scan# 2209
 Delta R.T. -0.006 min
 Lab File: BF143094.D
 Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 46276
 Ion Ratio Lower Upper
 252 100
 253 21.0 17.5 26.3
 125 10.6 8.6 13.0

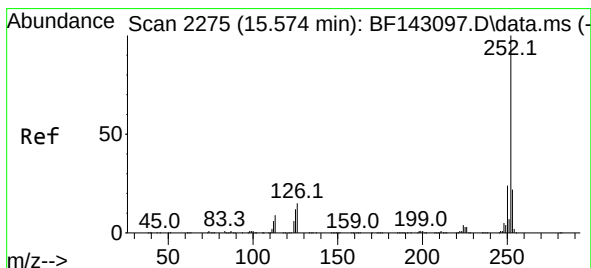
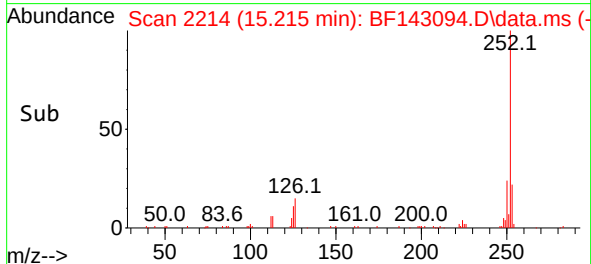
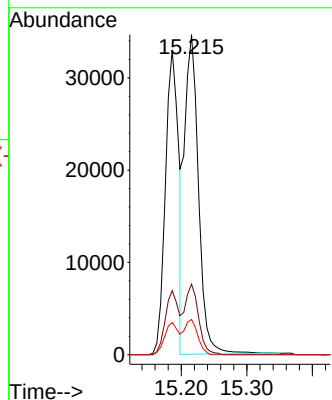
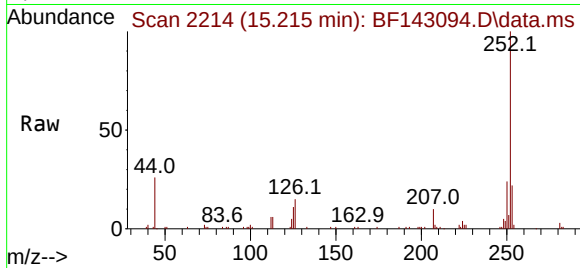




#89
Benzo(k)fluoranthene
Concen: 5.340 ng
RT: 15.215 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

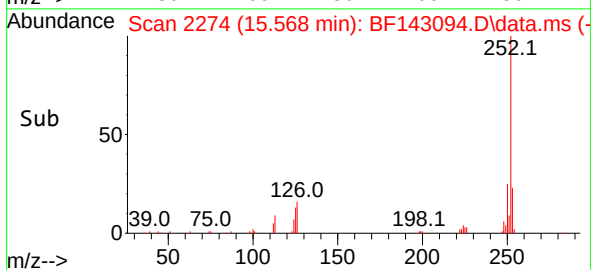
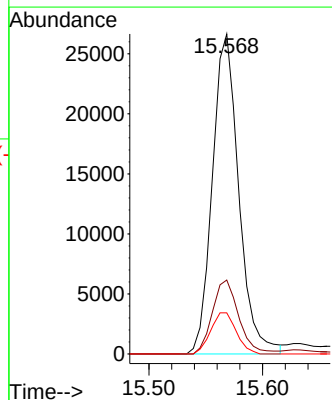
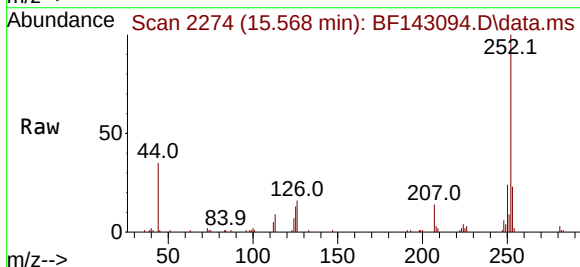
Instrument :
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ClientSampleId :
SSTDICC005

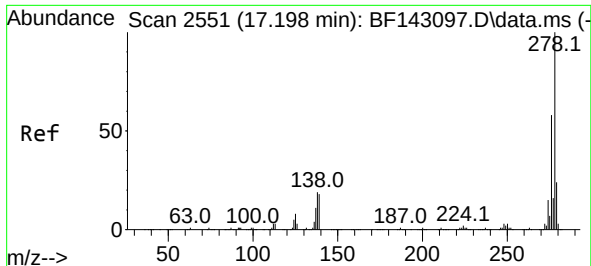
Tgt Ion:252 Resp: 51177
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 11.0 8.5 12.7



#90
Benzo(a)pyrene
Concen: 4.531 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 43046
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 12.9 9.4 14.0

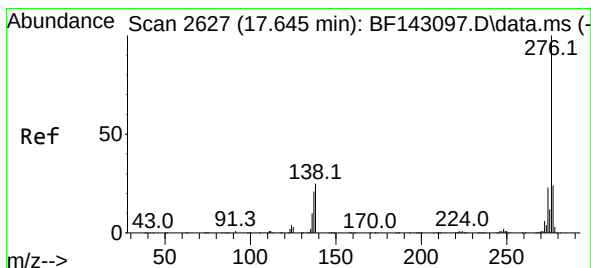
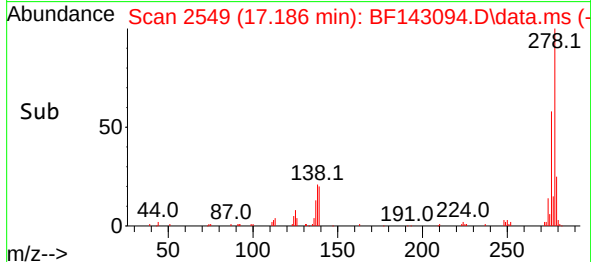
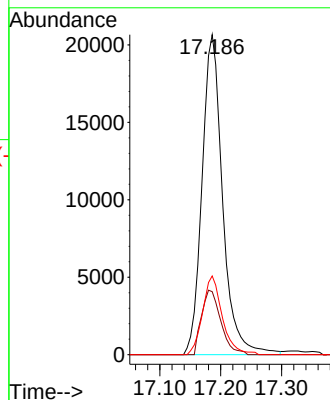
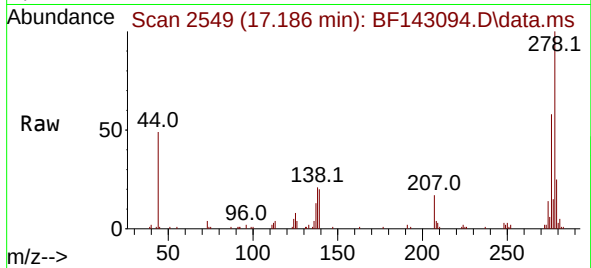




#91
Dibenzo(a,h)anthracene
Concen: 4.581 ng
RT: 17.186 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

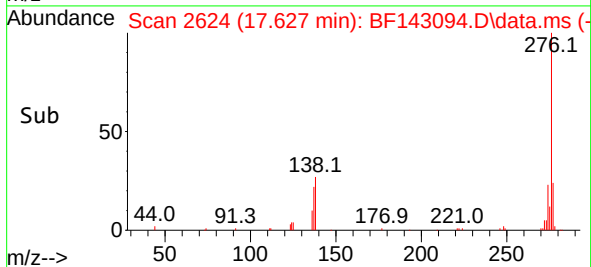
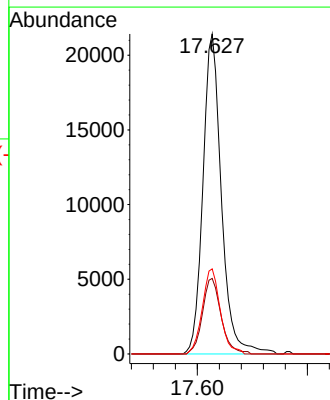
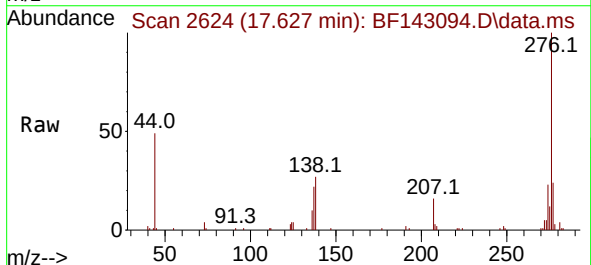
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 48506
Ion Ratio Lower Upper
278 100
139 19.7 14.6 22.0
279 24.6 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 4.631 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:276 Resp: 49989
Ion Ratio Lower Upper
276 100
277 23.6 19.2 28.8
138 26.6 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143095.D
 Acq On : 15 Jul 2025 14:05
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Jul 15 17:38:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	129158	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	488635	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	248013	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	412977	20.000	ng	0.00
76) Chrysene-d12	14.127	240	231826	20.000	ng	0.00
86) Perylene-d12	15.633	264	195100	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	164234	20.090	ng	0.00
7) Phenol-d6	6.575	99	208774	20.317	ng	-0.01
23) Nitrobenzene-d5	7.516	82	162939	18.706	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	39055	17.661	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	407861	21.860	ng	0.00
79) Terphenyl-d14	13.069	244	340992	21.502	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	40980	10.070	ng	98
3) Pyridine	3.581	79	99499	9.656	ng	98
4) n-Nitrosodimethylamine	3.504	42	50912	9.536	ng	# 96
6) Aniline	6.622	93	145577	10.060	ng	99
8) 2-Chlorophenol	6.745	128	78009	9.498	ng	98
9) Benzaldehyde	6.510	77	77218	9.862	ng	97
10) Phenol	6.587	94	112508	10.114	ng	98
11) bis(2-Chloroethyl)ether	6.693	93	88047	10.224	ng	99
12) 1,3-Dichlorobenzene	6.910	146	95695	10.313	ng	99
13) 1,4-Dichlorobenzene	6.987	146	95134	10.191	ng	99
14) 1,2-Dichlorobenzene	7.140	146	90960	10.218	ng	100
15) Benzyl Alcohol	7.092	79	72743	9.554	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	163494	10.299	ng	99
17) 2-Methylphenol	7.204	107	69808	9.849	ng	99
18) Hexachloroethane	7.487	117	28400	9.345	ng	98
19) n-Nitroso-di-n-propyla...	7.363	70	63831	10.139	ng	95
20) 3+4-Methylphenols	7.351	107	90318	10.391	ng	# 83
22) Acetophenone	7.363	105	126127	10.708	ng	95
24) Nitrobenzene	7.540	77	77369	9.201	ng	97
25) Isophorone	7.775	82	167986	9.978	ng	99
26) 2-Nitrophenol	7.857	139	18432	8.966	ng	97
27) 2,4-Dimethylphenol	7.887	122	78706	10.072	ng	98
28) bis(2-Chloroethoxy)met...	7.987	93	106045	10.387	ng	98
29) 2,4-Dichlorophenol	8.092	162	62164	9.724	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	74581	10.280	ng	98
31) Naphthalene	8.269	128	256031	10.551	ng	99
32) Benzoic acid	7.939	122	17349	10.366	ng	96
33) 4-Chloroaniline	8.310	127	102550	10.510	ng	96
34) Hexachlorobutadiene	8.392	225	42959	9.901	ng	97
35) Caprolactam	8.634	113	17855	8.944	ng	99
36) 4-Chloro-3-methylphenol	8.775	107	70747	9.935	ng	97
37) 2-Methylnaphthalene	8.957	142	152822	10.557	ng	99
38) 1-Methylnaphthalene	9.057	142	161228	10.739	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	74348	10.287	ng	99
41) Hexachlorocyclopentadiene	9.122	237	31472	7.854	ng	100
43) 2,4,6-Trichlorophenol	9.234	196	38748	8.628	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143095.D
 Acq On : 15 Jul 2025 14:05
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

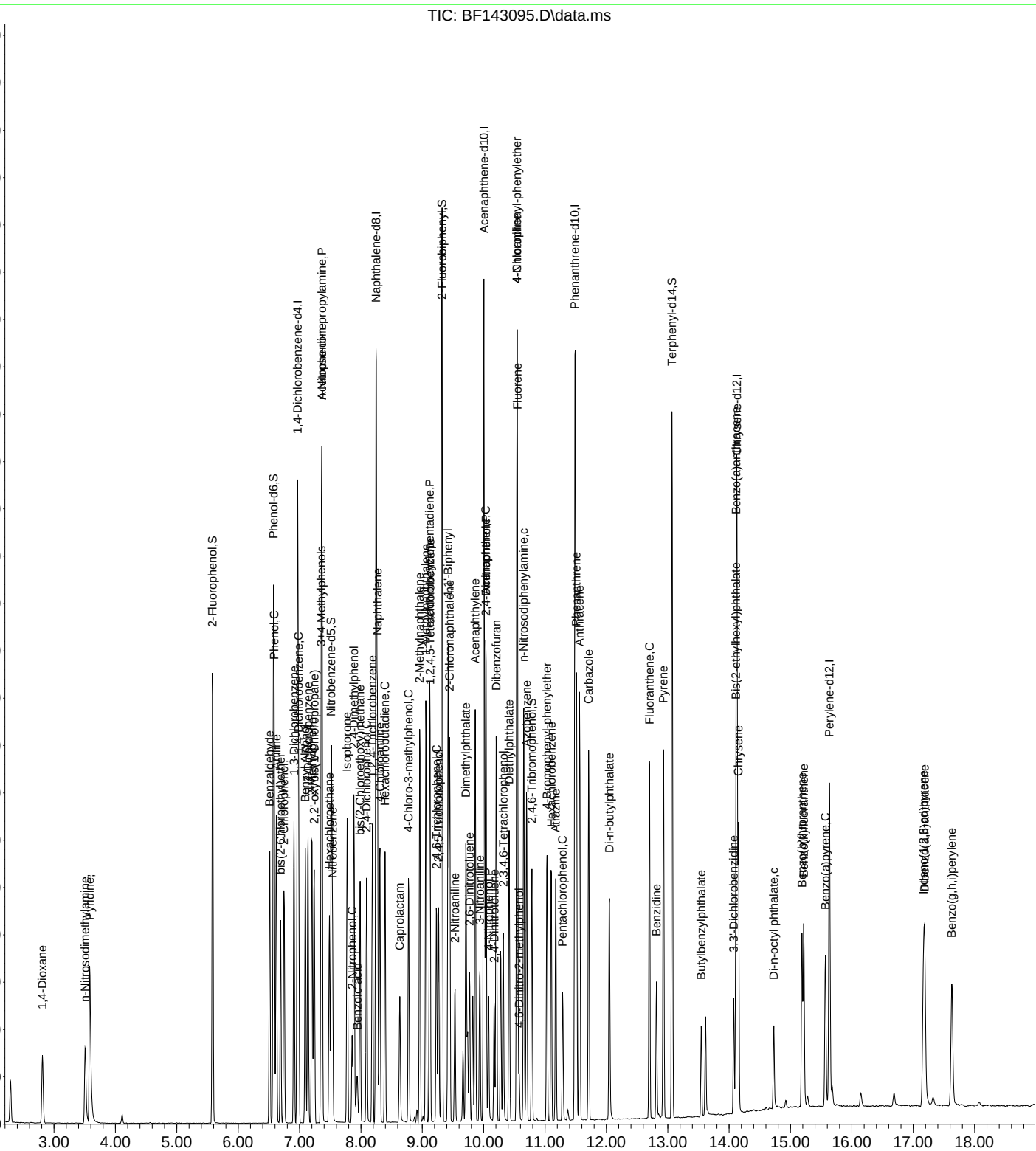
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

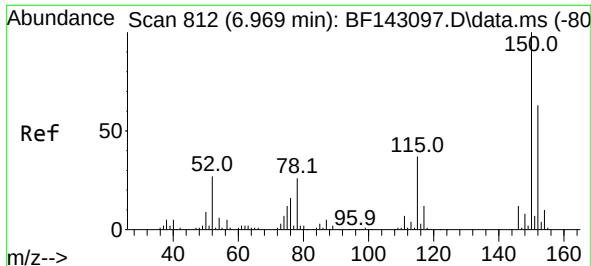
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	45455	9.653	ng	98
46) 1,1'-Biphenyl	9.422	154	209259	10.580	ng	99
47) 2-Chloronaphthalene	9.445	162	149175	10.267	ng	99
48) 2-Nitroaniline	9.534	65	27816	9.163	ng	98
49) Acenaphthylene	9.863	152	249435	10.302	ng	100
50) Dimethylphthalate	9.710	163	156072	10.003	ng	100
51) 2,6-Dinitrotoluene	9.769	165	21789	9.451	ng	96
52) Acenaphthene	10.033	154	149318	10.451	ng	100
53) 3-Nitroaniline	9.939	138	28105	8.336	ng	98
54) 2,4-Dinitrophenol	10.039	184	4729	10.239	ng	# 1
55) Dibenzofuran	10.204	168	222555	10.451	ng	98
56) 4-Nitrophenol	10.081	139	20334	7.589	ng	97
57) 2,4-Dinitrotoluene	10.175	165	24420	9.293	ng	# 95
58) Fluorene	10.551	166	171975	10.771	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	33995	9.084	ng	99
60) Diethylphthalate	10.416	149	150934	10.027	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	79583	10.400	ng	99
62) 4-Nitroaniline	10.545	138	25757	8.785	ng	96
63) Azobenzene	10.698	77	173437	10.418	ng	98
65) 4,6-Dinitro-2-methylph...	10.581	198	7158	10.290	ng	96
66) n-Nitrosodiphenylamine	10.651	169	146433	10.094	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	45279	9.641	ng	97
68) Hexachlorobenzene	11.104	284	49035	9.840	ng	96
69) Atrazine	11.175	200	35230	9.492	ng	99
70) Pentachlorophenol	11.286	266	20245	7.405	ng	97
71) Phenanthrene	11.510	178	234601	10.526	ng	100
72) Anthracene	11.563	178	232459	10.372	ng	99
73) Carbazole	11.710	167	211853	10.551	ng	99
74) Di-n-butylphthalate	12.051	149	174639	9.475	ng	100
75) Fluoranthene	12.704	202	217346	10.725	ng	99
77) Benzidine	12.816	184	76979	9.747	ng	99
78) Pyrene	12.927	202	226752	10.542	ng	99
80) Butylbenzylphthalate	13.545	149	26977	9.210	ng	94
81) Benzo(a)anthracene	14.116	228	151099	9.781	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	36435	8.122	ng	99
83) Chrysene	14.151	228	142990	10.050	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	39724	9.073	ng	97
85) Di-n-octyl phthalate	14.727	149	54952	10.526	ng	96
87) Indeno(1,2,3-cd)pyrene	17.168	276	137620	9.484	ng	100
88) Benzo(b)fluoranthene	15.186	252	116154	10.321	ng	100
89) Benzo(k)fluoranthene	15.216	252	103994	9.686	ng	98
90) Benzo(a)pyrene	15.568	252	99366	9.336	ng	99
91) Dibenzo(a,h)anthracene	17.186	278	113316	9.553	ng	99
92) Benzo(g,h,i)perylene	17.627	276	115816	9.577	ng	98

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

SSTDICC010

Response via : Initial Calibration

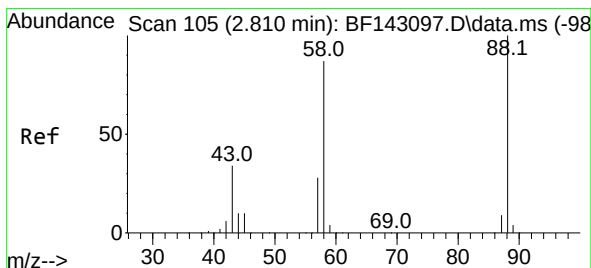
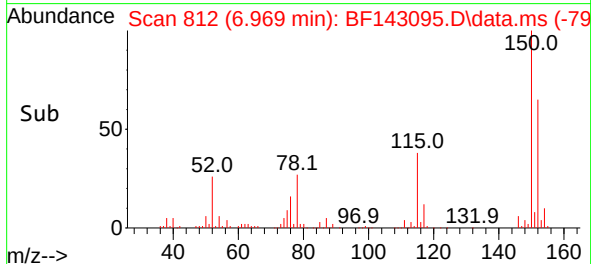
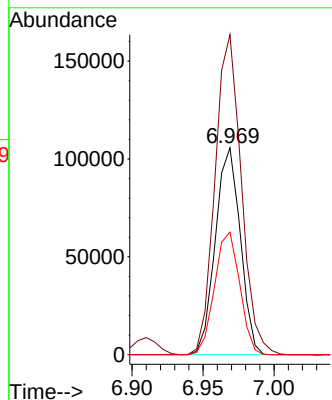
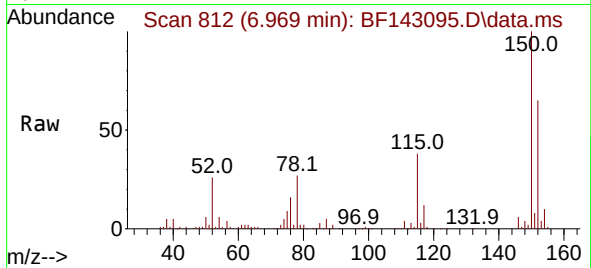




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

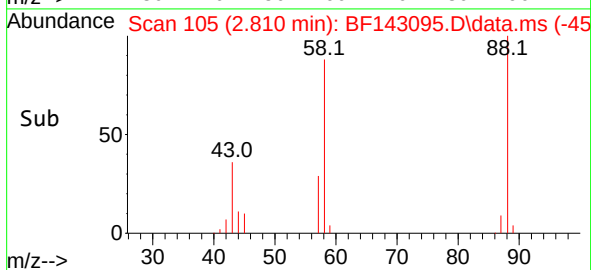
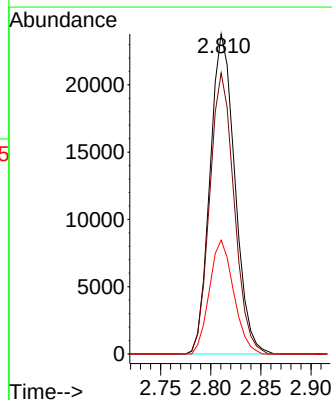
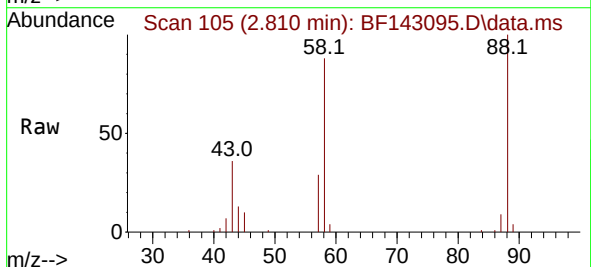
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

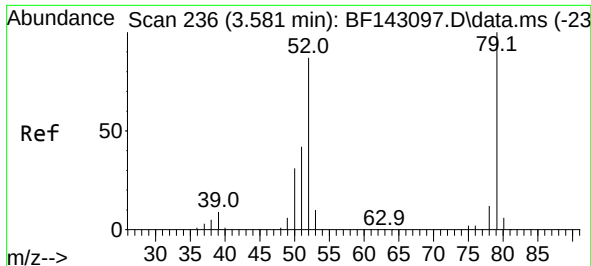
Tgt Ion:152 Resp: 129158
Ion Ratio Lower Upper
152 100
150 154.7 126.5 189.7
115 59.3 47.0 70.6



#2
1,4-Dioxane
Concen: 10.070 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 88 Resp: 40980
Ion Ratio Lower Upper
88 100
58 86.3 70.5 105.7
43 34.8 27.3 40.9





#3

Pyridine

Concen: 9.656 ng

RT: 3.581 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

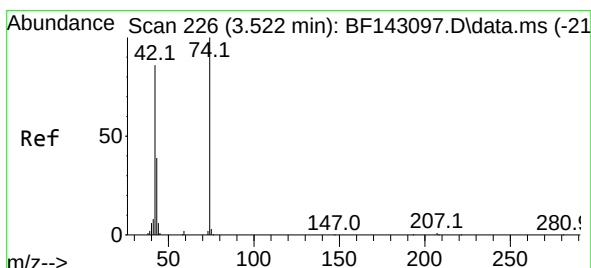
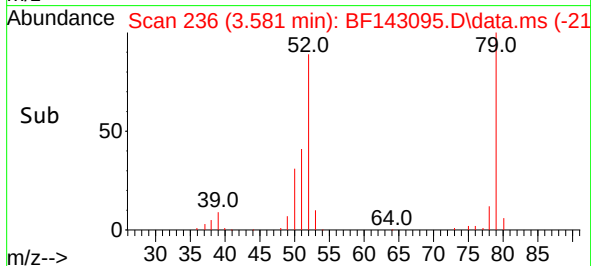
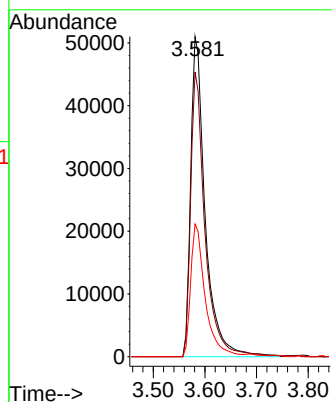
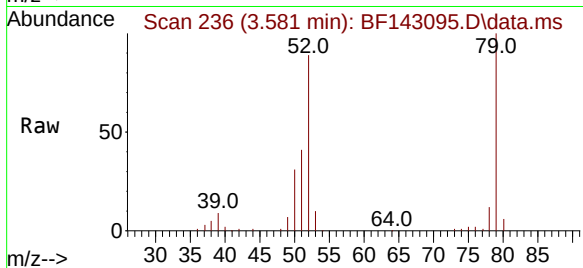
Tgt Ion: 79 Resp: 99499

Ion Ratio Lower Upper

79 100

52 88.9 69.2 103.8

51 41.5 33.3 49.9



#4

n-Nitrosodimethylamine

Concen: 9.536 ng

RT: 3.504 min Scan# 223

Delta R.T. -0.018 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

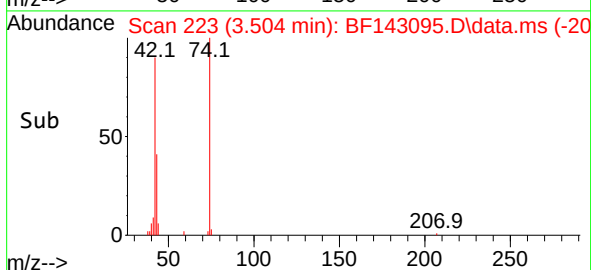
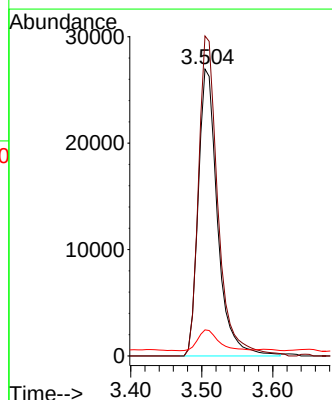
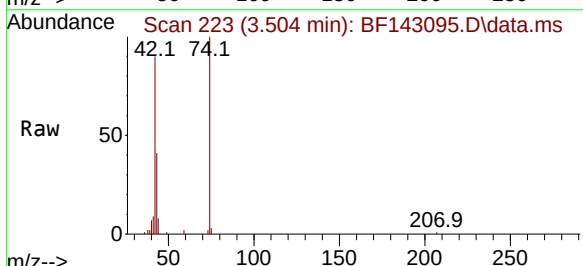
Tgt Ion: 42 Resp: 50912

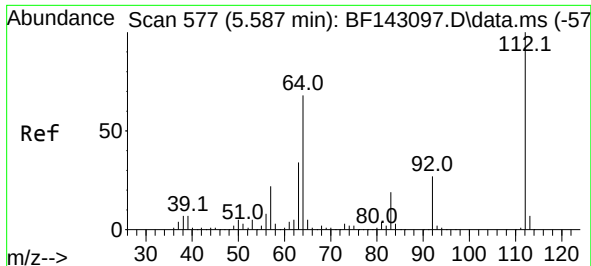
Ion Ratio Lower Upper

42 100

74 111.6 92.8 139.2

44 9.1 5.8 8.6#

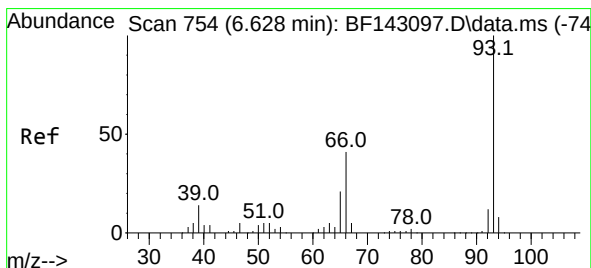
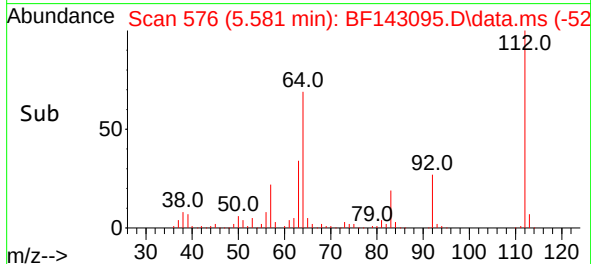
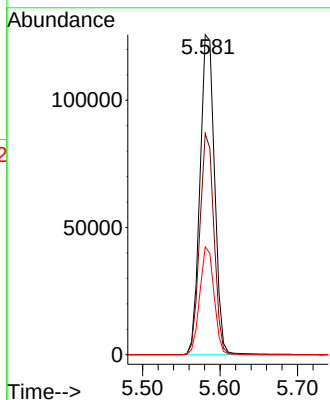
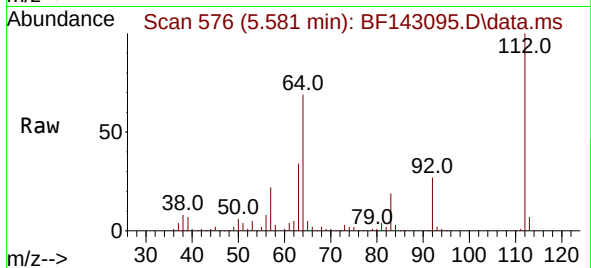




#5
2-Fluorophenol
Concen: 20.090 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

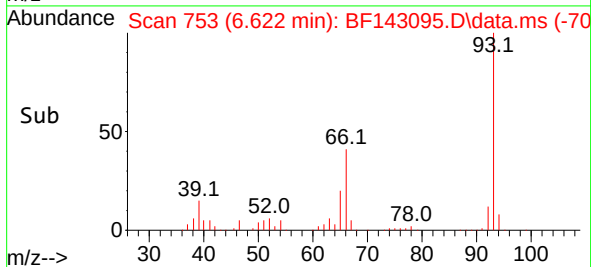
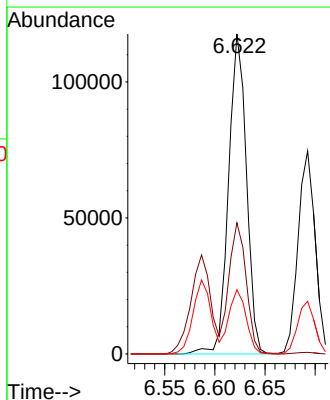
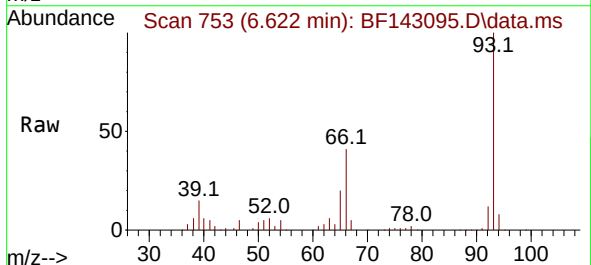
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

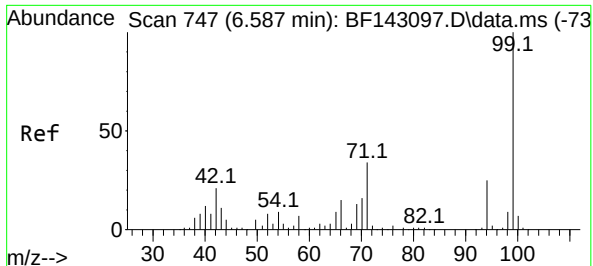
Tgt Ion:112 Resp: 164234
Ion Ratio Lower Upper
112 100
64 69.1 54.6 82.0
63 33.7 27.3 40.9



#6
Aniline
Concen: 10.060 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 93 Resp: 145577
Ion Ratio Lower Upper
93 100
66 41.0 33.1 49.7
65 20.1 16.9 25.3

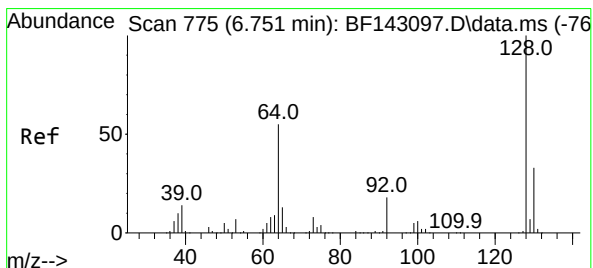
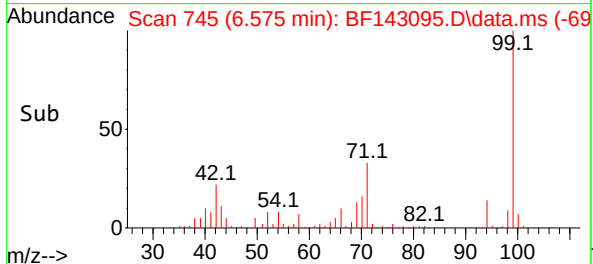
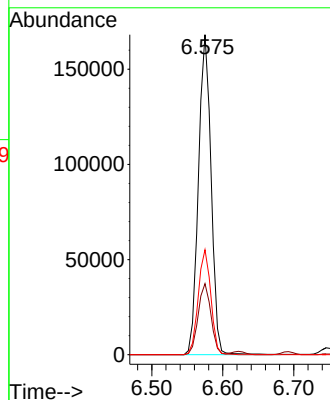
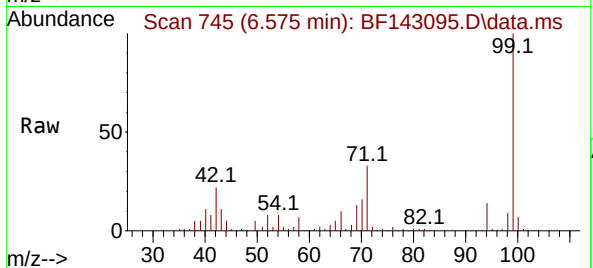




#7
Phenol-d6
Concen: 20.317 ng
RT: 6.575 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

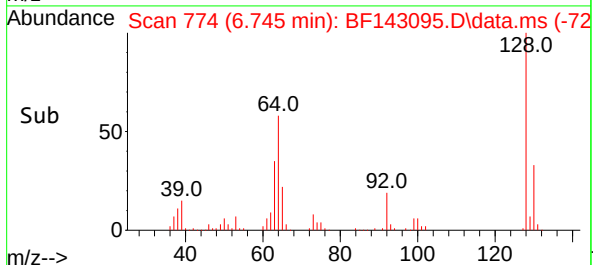
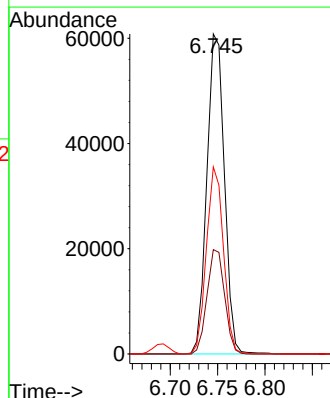
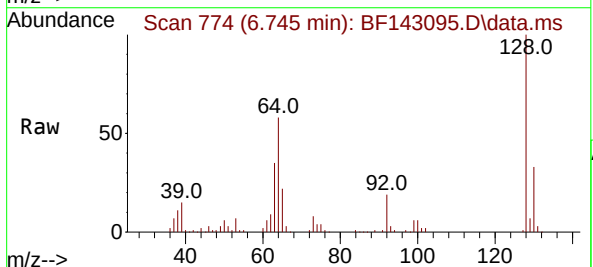
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

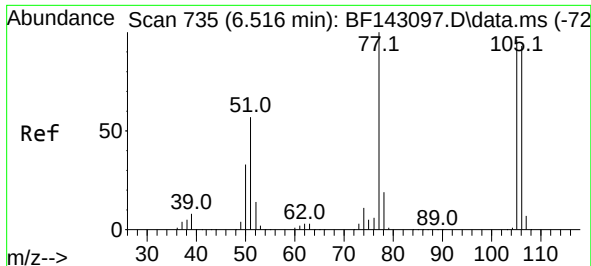
Tgt Ion: 99 Resp: 208774
Ion Ratio Lower Upper
99 100
42 22.2 17.2 25.8
71 32.8 27.4 41.0



#8
2-Chlorophenol
Concen: 9.498 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 128 Resp: 78009
Ion Ratio Lower Upper
128 100
130 32.6 12.8 52.8
64 58.5 36.1 76.1

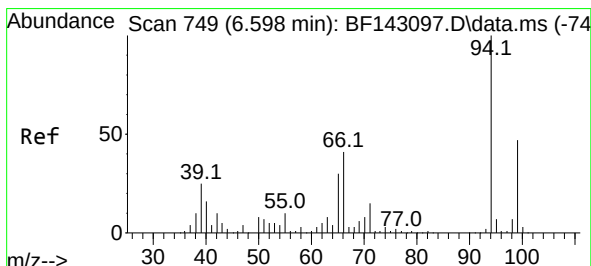
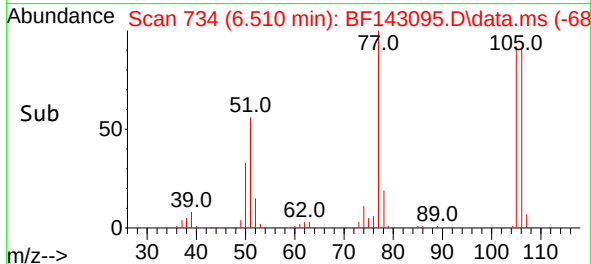
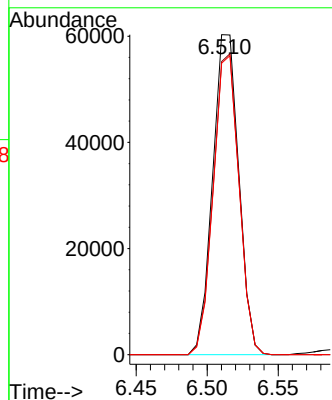
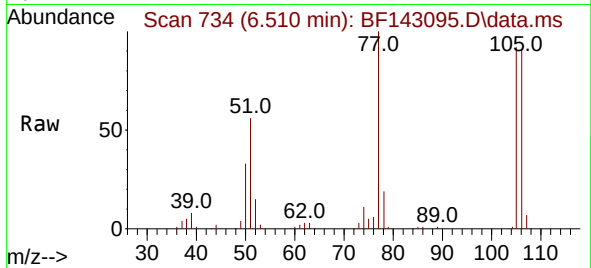




#9
Benzaldehyde
Concen: 9.862 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

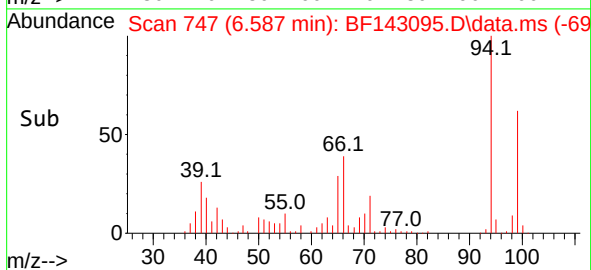
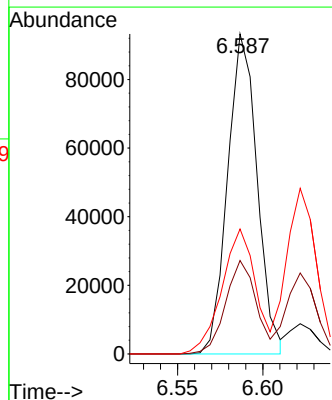
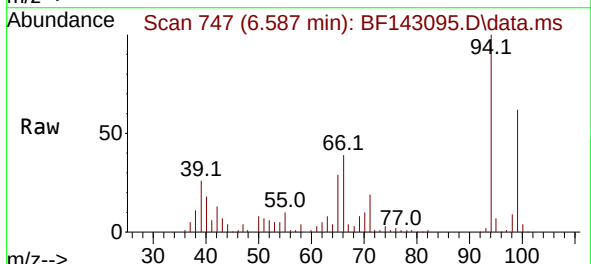
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

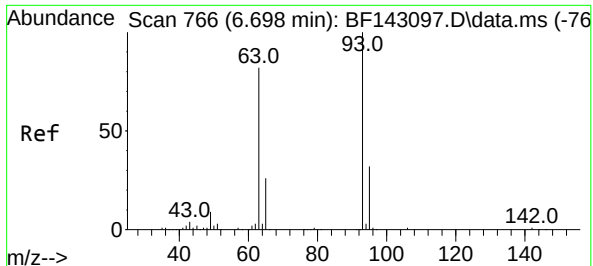
Tgt Ion: 77 Resp: 77218
Ion Ratio Lower Upper
77 100
105 91.6 76.3 116.3
106 91.1 72.8 112.8



#10
Phenol
Concen: 10.114 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 94 Resp: 112508
Ion Ratio Lower Upper
94 100
65 29.2 9.8 49.8
66 39.1 20.5 60.5





#11

bis(2-Chloroethyl)ether

Concen: 10.224 ng

RT: 6.693 min Scan# 766

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

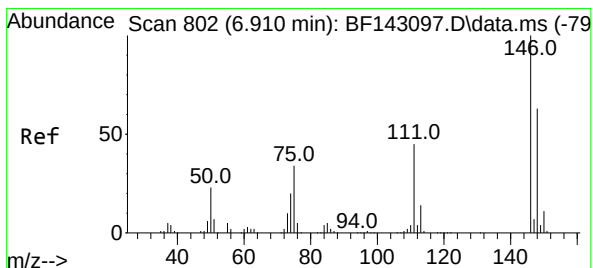
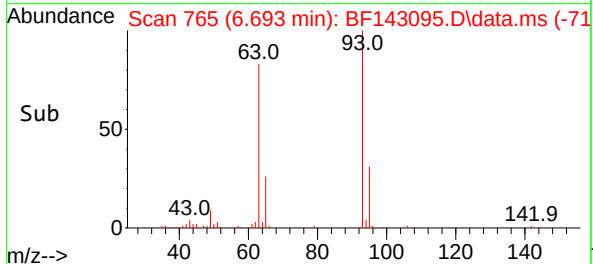
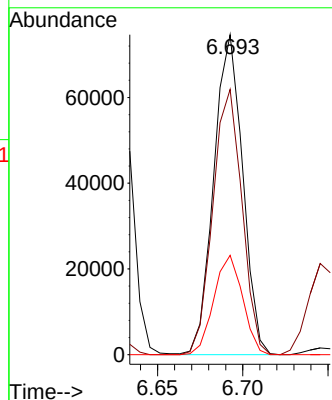
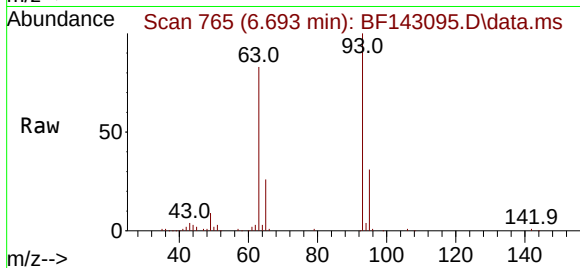
Tgt Ion: 93 Resp: 88047

Ion Ratio Lower Upper

93 100

63 82.9 61.9 101.9

95 31.1 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 10.313 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.000 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

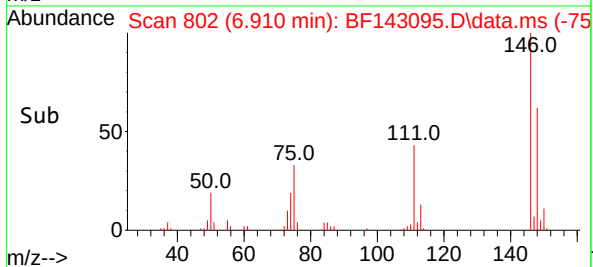
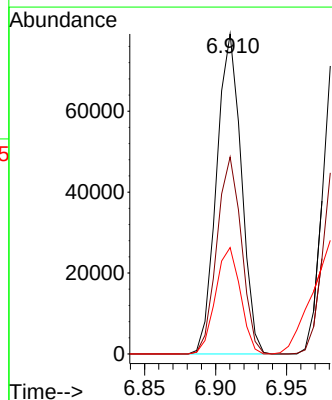
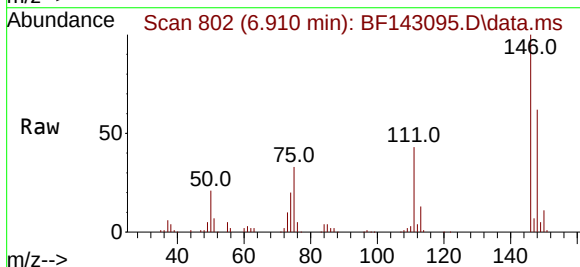
Tgt Ion:146 Resp: 95695

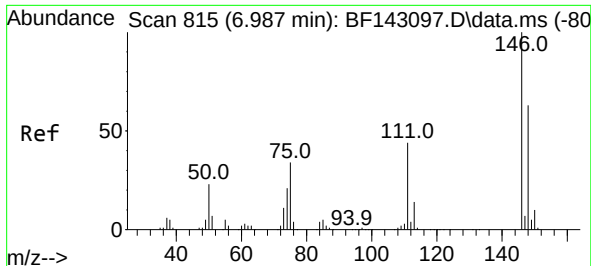
Ion Ratio Lower Upper

146 100

148 61.6 50.1 75.1

75 33.3 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 10.191 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

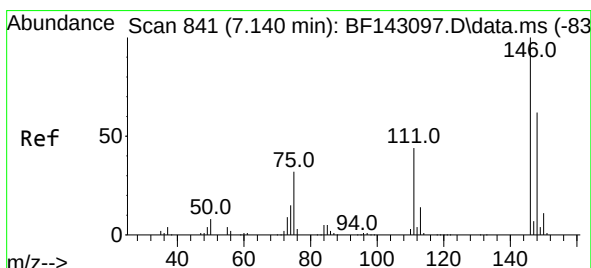
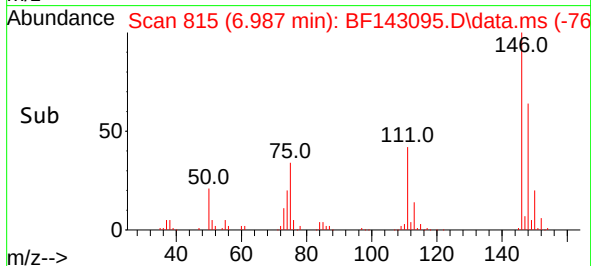
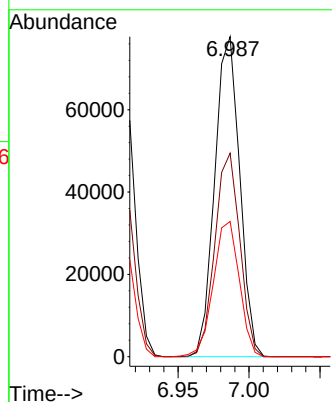
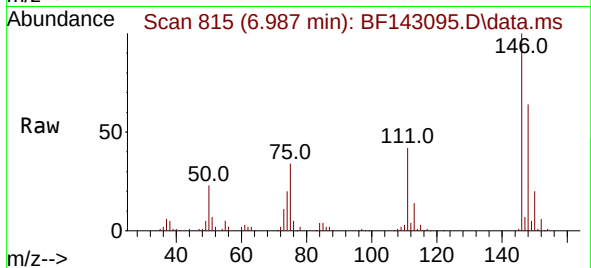
Tgt Ion:146 Resp: 95134

Ion Ratio Lower Upper

146 100

148 63.6 50.6 76.0

111 42.2 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 10.218 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

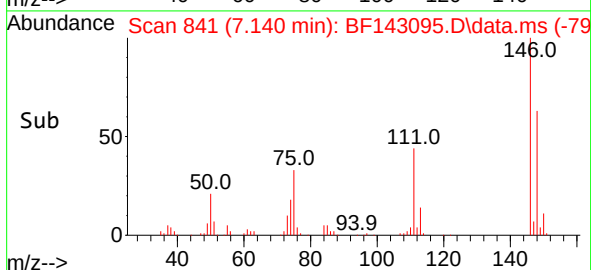
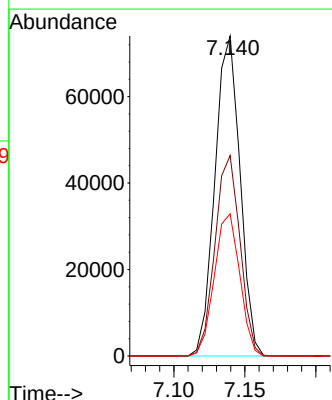
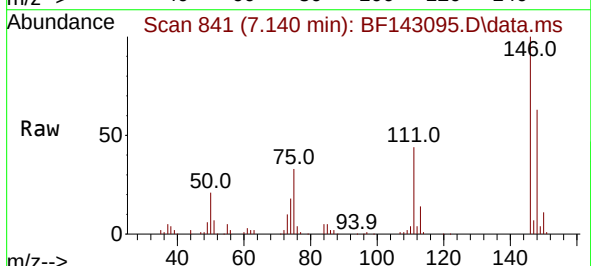
Tgt Ion:146 Resp: 90960

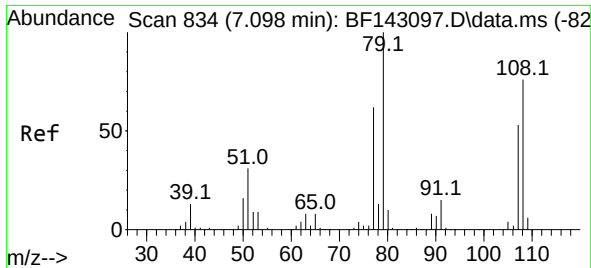
Ion Ratio Lower Upper

146 100

148 62.6 49.8 74.6

111 44.4 35.4 53.0



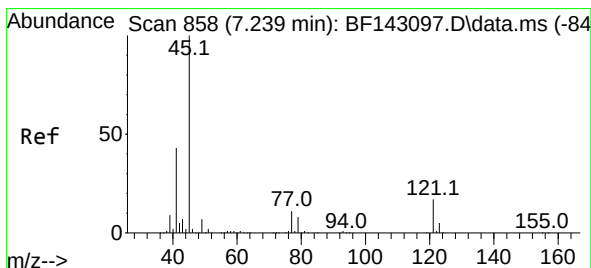
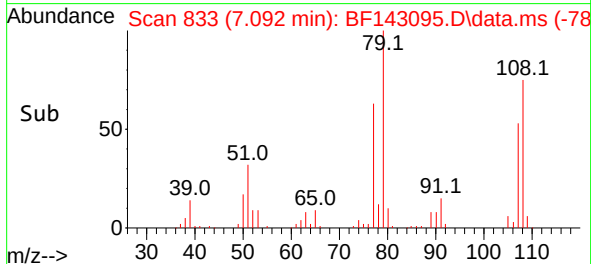
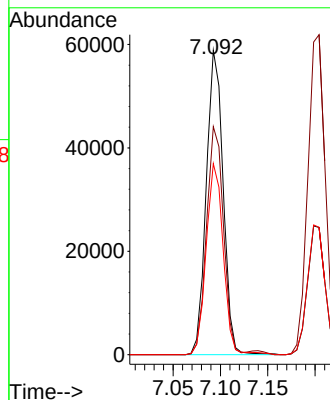
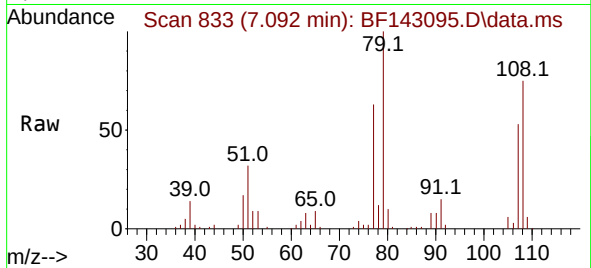


#15
Benzyl Alcohol
Concen: 9.554 ng
RT: 7.092 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDIC010

Tgt Ion: 79 Resp: 72743

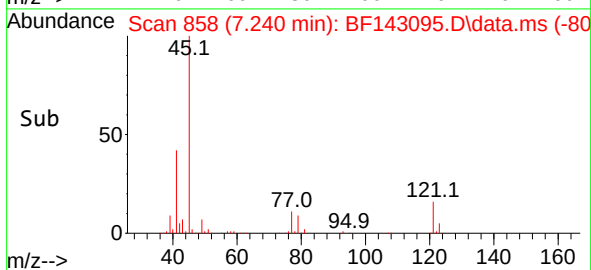
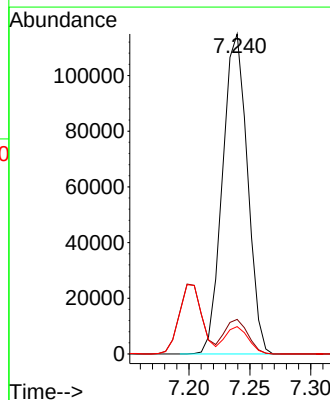
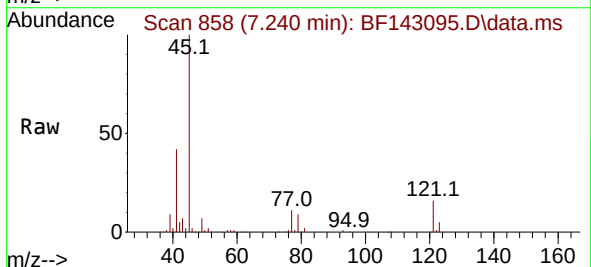
Ion	Ratio	Lower	Upper
79	100		
108	74.9	61.1	91.7
77	62.8	49.9	74.9

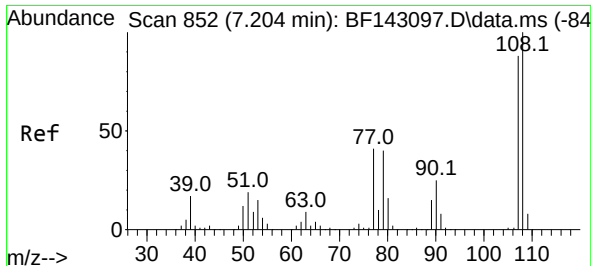


#16
2,2'-oxybis(1-chloropropane)
Concen: 10.299 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 45 Resp: 163494

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.1
79	8.6	0.0	28.4

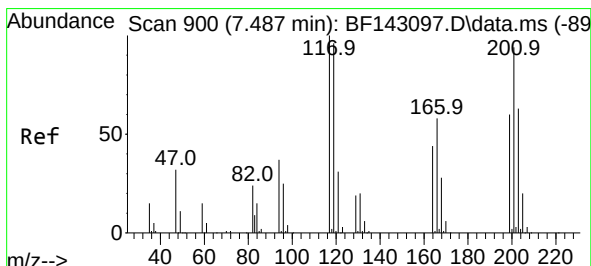
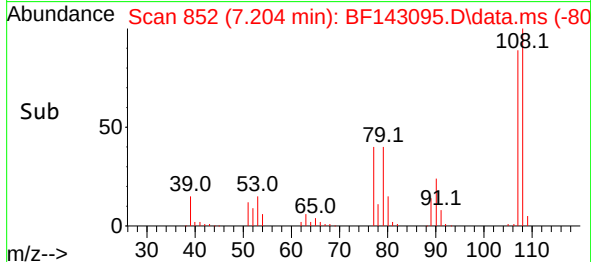
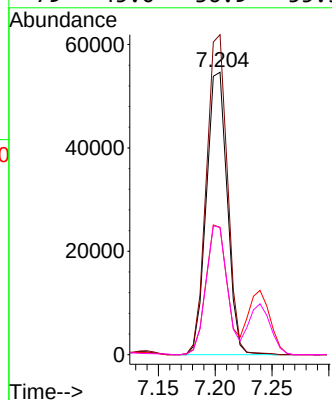
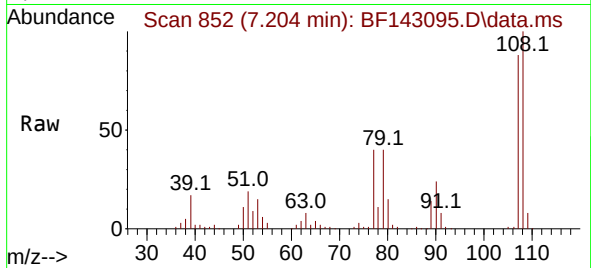




#17
2-Methylphenol
Concen: 9.849 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

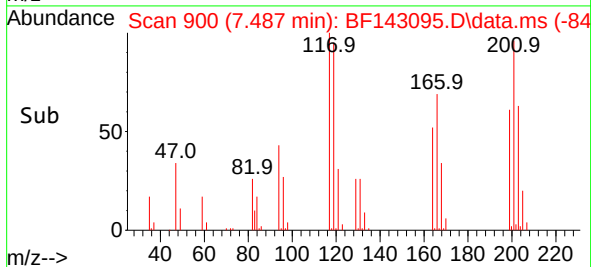
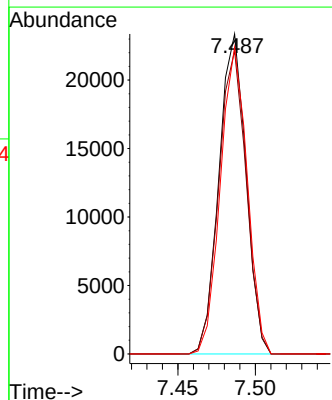
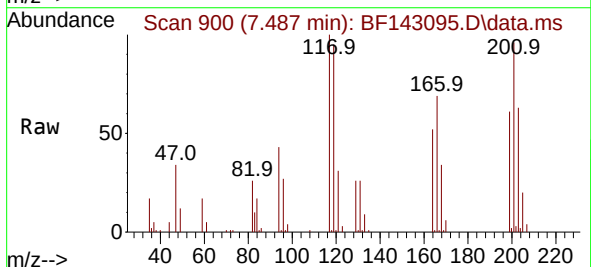
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

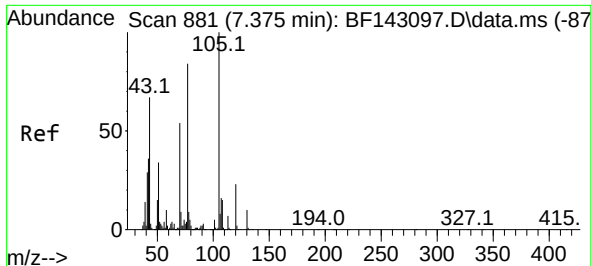
Tgt Ion:	107	Resp:	69808
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.9	136.3
77	45.1	37.5	56.3
79	45.0	36.9	55.3



#18
Hexachloroethane
Concen: 9.345 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:	117	Resp:	28400
Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.7	115.1
201	95.9	75.0	112.4

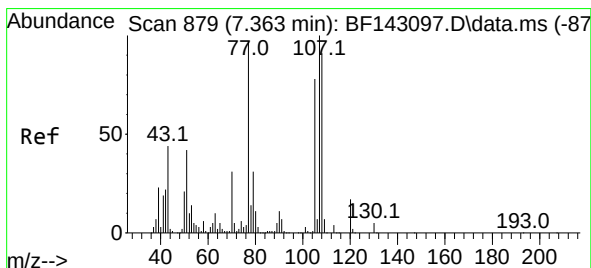
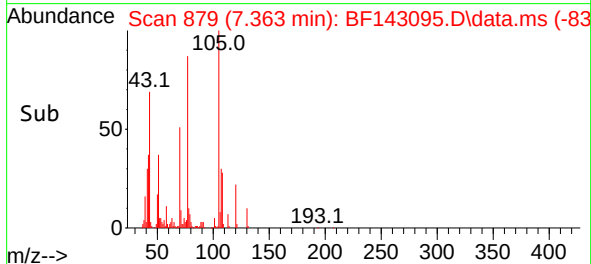
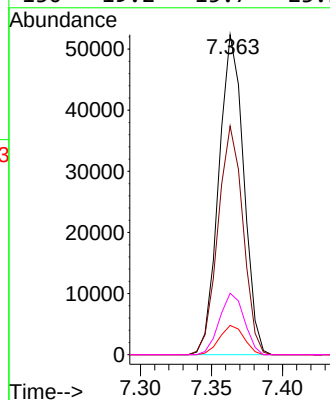
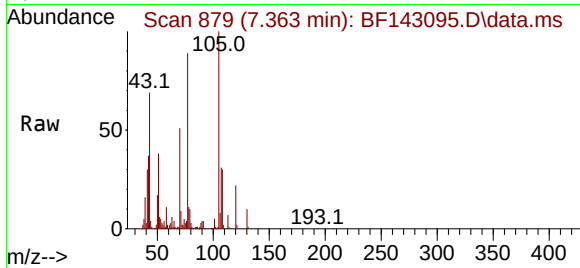




#19
n-Nitroso-di-n-propylamine
Concen: 10.139 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

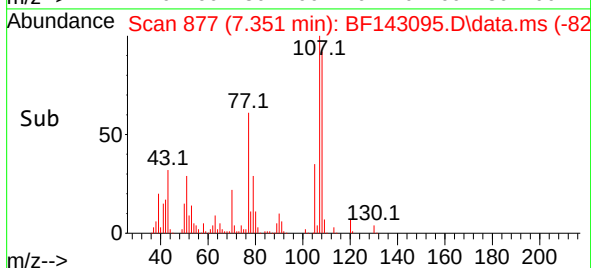
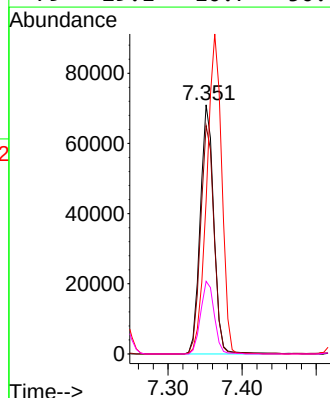
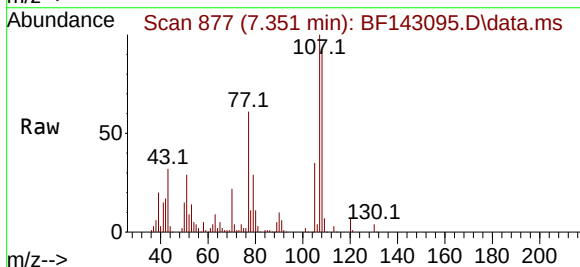
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

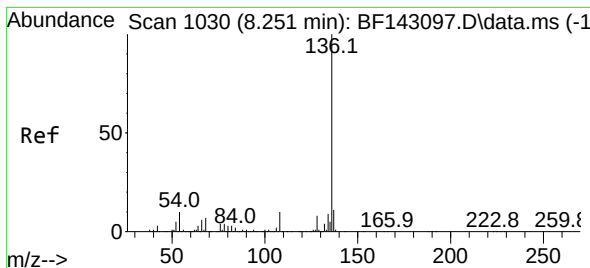
Tgt Ion:	70	Resp:	63831
Ion	Ratio	Lower	Upper
70	100		
42	71.4	53.2	79.8
101	9.2	7.5	11.3
130	19.2	15.7	23.5



#20
3+4-Methylphenols
Concen: 10.391 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:	107	Resp:	90318
Ion	Ratio	Lower	Upper
107	100		
108	91.6	71.3	111.3
77	61.4	77.2	117.2#
79	29.1	10.7	50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:136 Resp: 488635

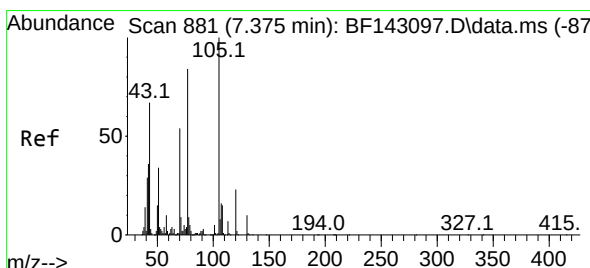
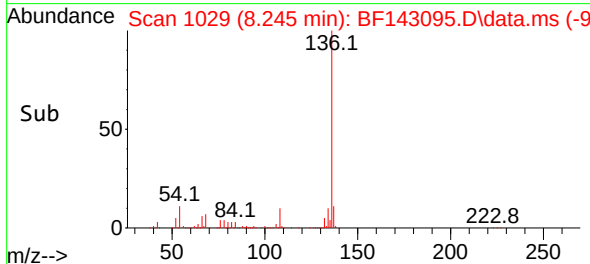
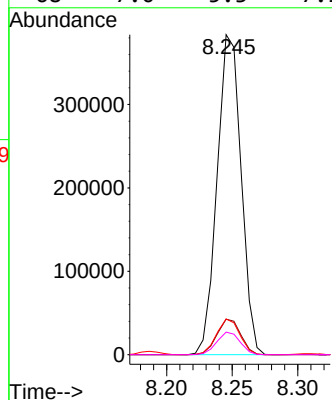
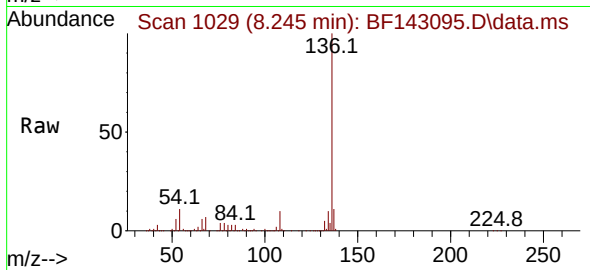
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 11.2 8.3 12.5

68 7.0 5.3 7.9



#22

Acetophenone

Concen: 10.708 ng

RT: 7.363 min Scan# 879

Delta R.T. -0.012 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Tgt Ion:105 Resp: 126127

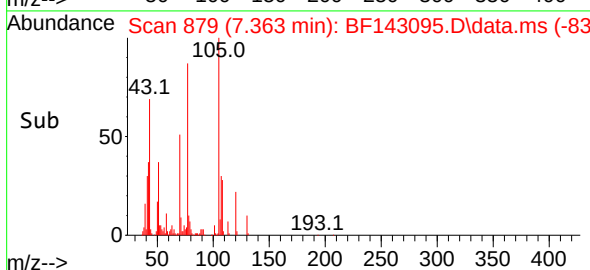
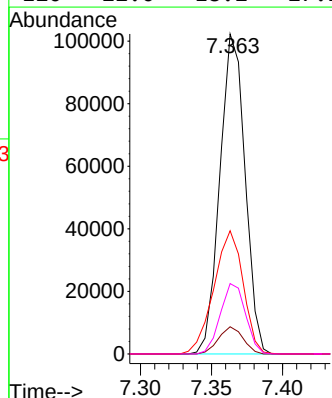
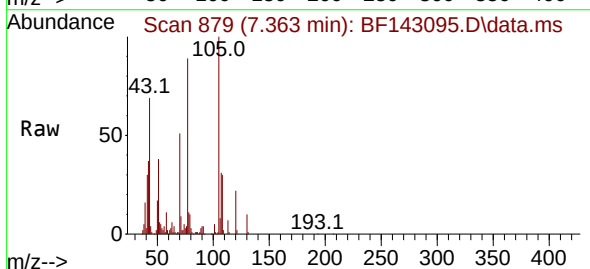
Ion Ratio Lower Upper

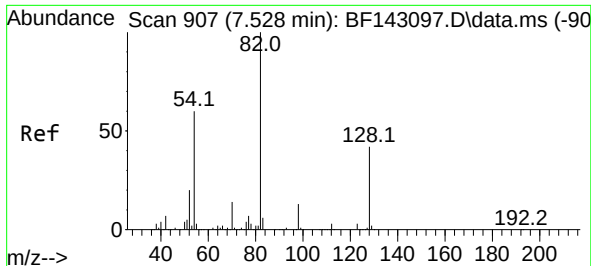
105 100

71 8.5 7.2 10.8

51 38.5 27.0 40.4

120 22.0 18.2 27.2





#23

Nitrobenzene-d5

Concen: 18.706 ng

RT: 7.516 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

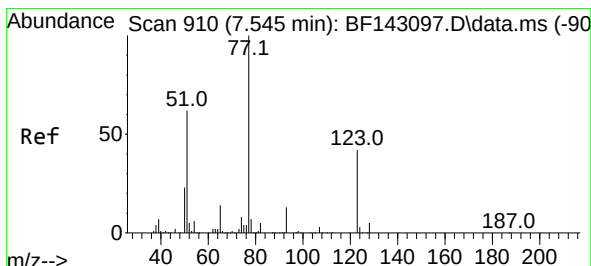
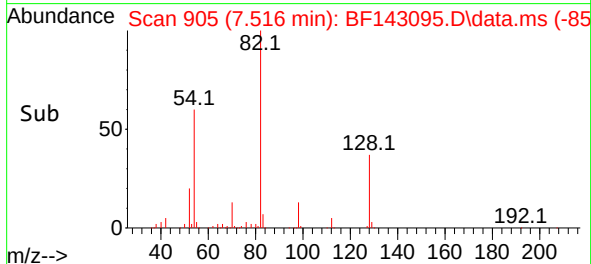
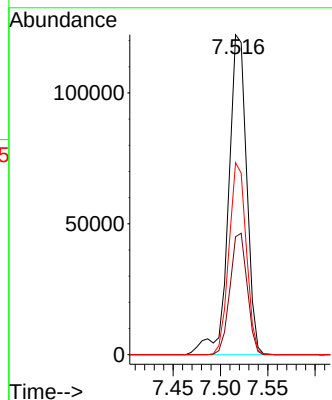
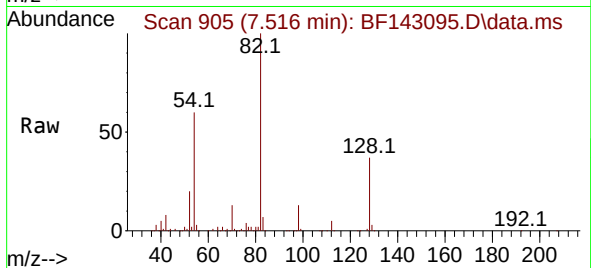
Tgt Ion: 82 Resp: 162939

Ion Ratio Lower Upper

82 100

128 36.8 33.3 49.9

54 60.0 47.4 71.2



#24

Nitrobenzene

Concen: 9.201 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

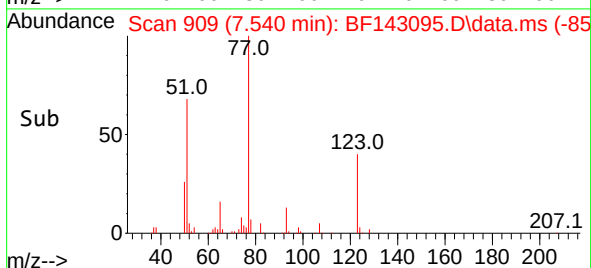
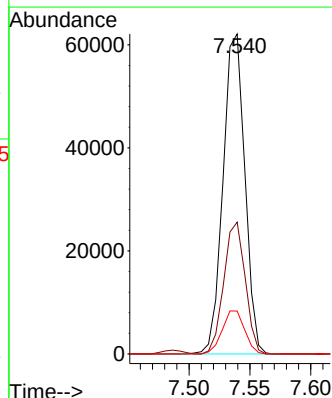
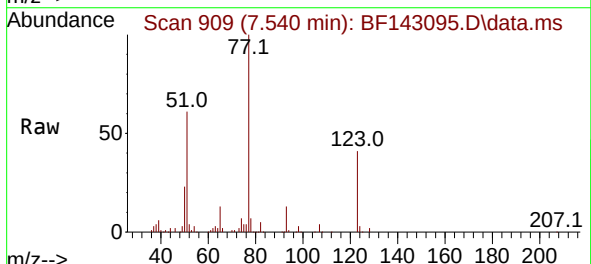
Tgt Ion: 77 Resp: 77369

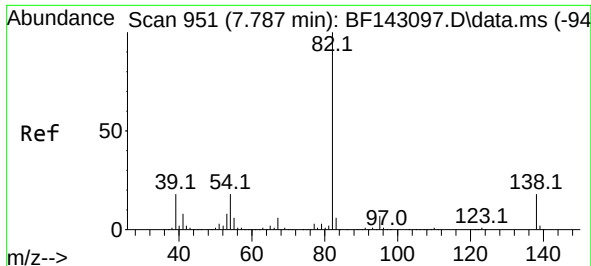
Ion Ratio Lower Upper

77 100

123 41.2 34.5 51.7

65 13.4 11.3 16.9

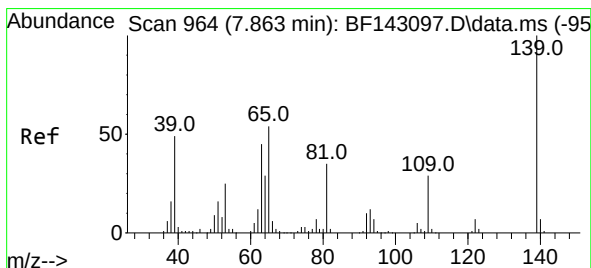
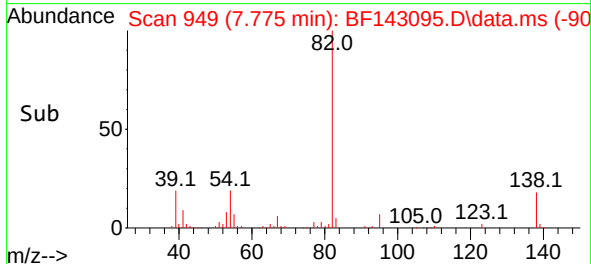
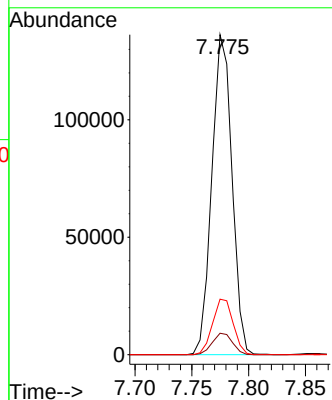
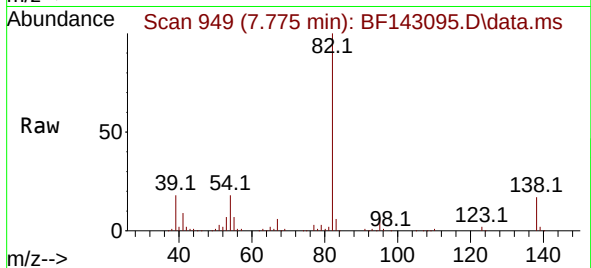




#25
Isophorone
Concen: 9.978 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

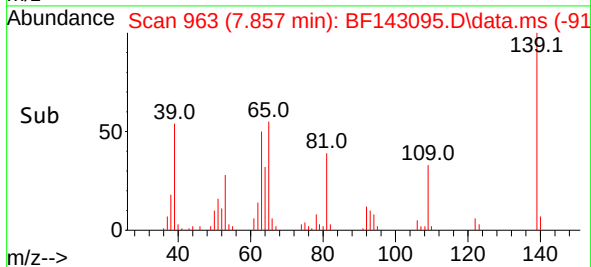
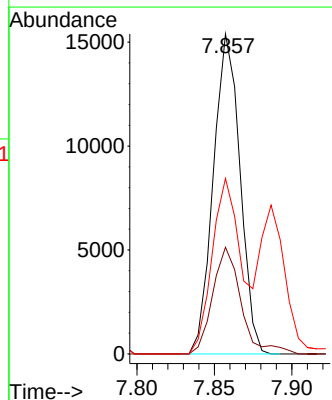
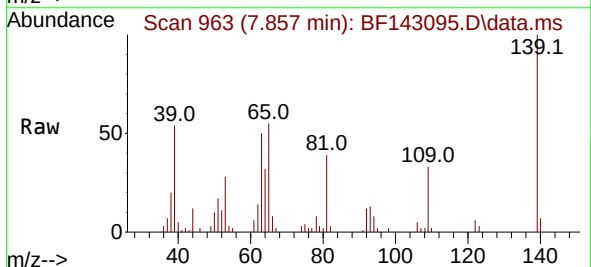
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

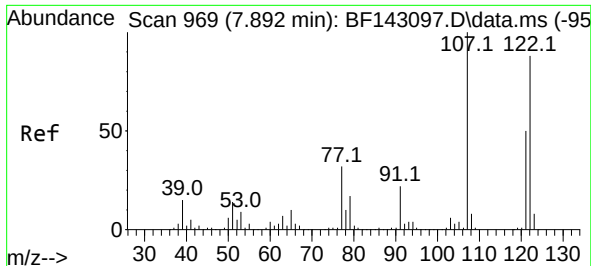
Tgt Ion: 82 Resp: 167986
Ion Ratio Lower Upper
82 100
95 6.7 5.6 8.4
138 17.4 14.3 21.5



#26
2-Nitrophenol
Concen: 8.966 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:139 Resp: 18432
Ion Ratio Lower Upper
139 100
109 33.4 23.4 35.0
65 54.8 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 10.072 ng

RT: 7.887 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

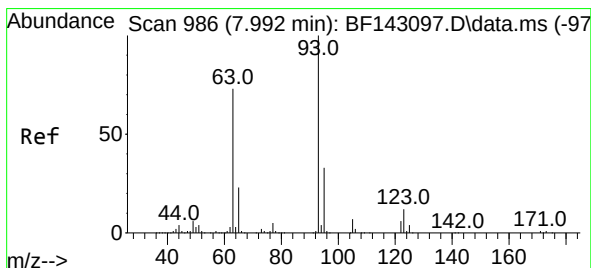
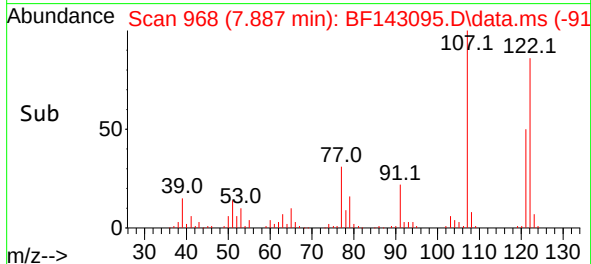
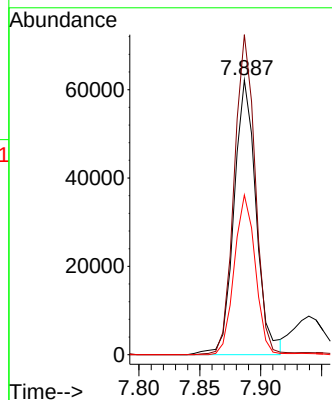
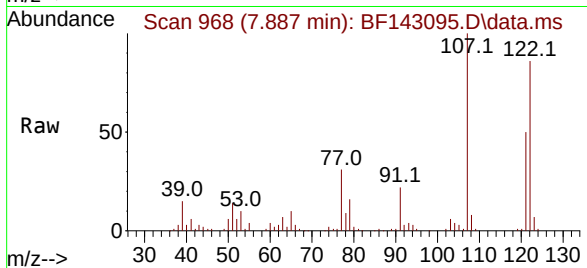
Tgt Ion:122 Resp: 78706

Ion Ratio Lower Upper

122 100

107 116.5 91.3 136.9

121 58.1 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 10.387 ng

RT: 7.987 min Scan# 985

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

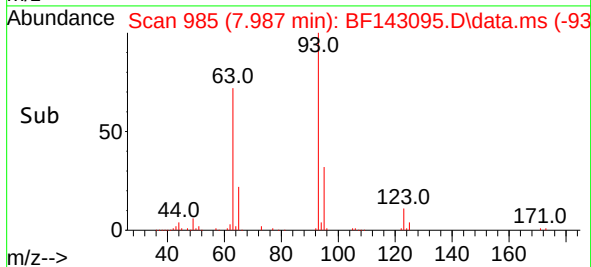
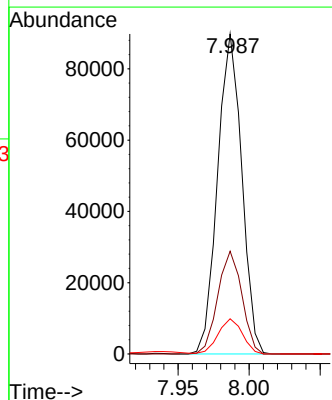
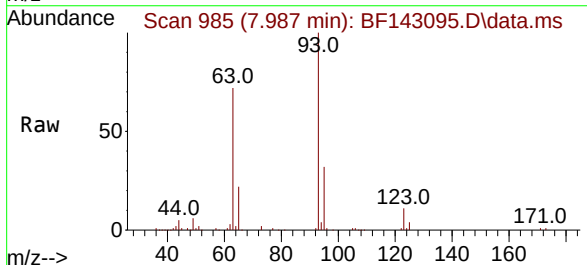
Tgt Ion: 93 Resp: 106045

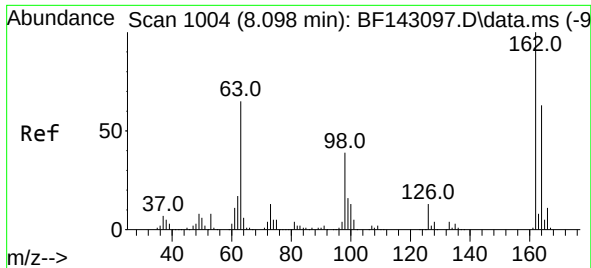
Ion Ratio Lower Upper

93 100

95 32.1 26.2 39.4

123 11.0 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 9.724 ng

RT: 8.092 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

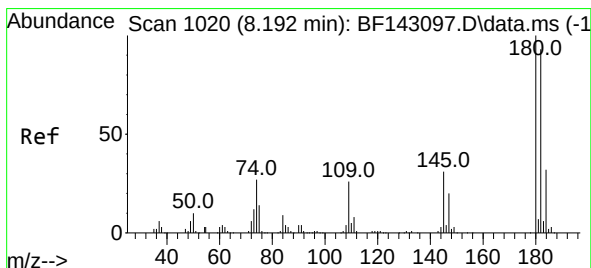
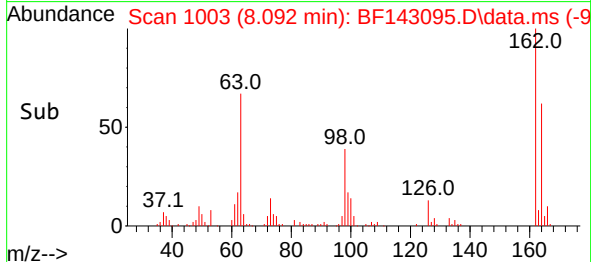
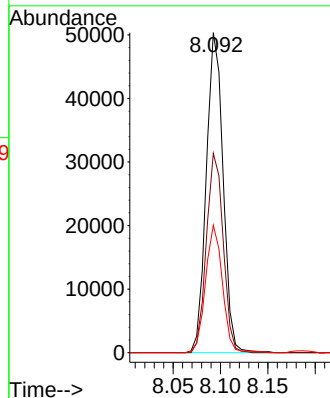
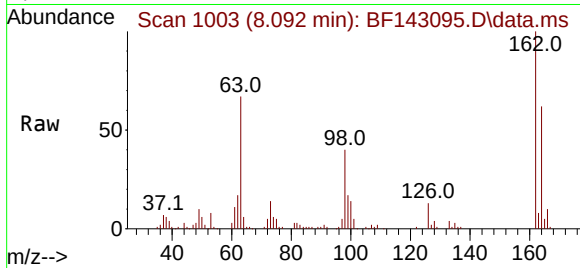
Tgt Ion:162 Resp: 62164

Ion Ratio Lower Upper

162 100

164 62.3 43.1 83.1

98 39.8 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 10.280 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

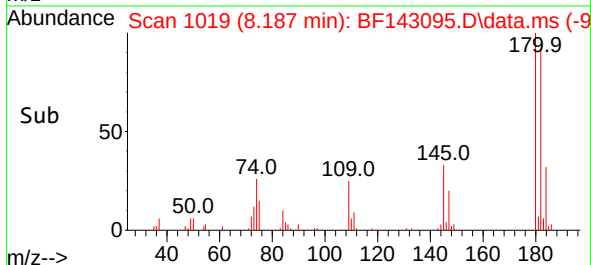
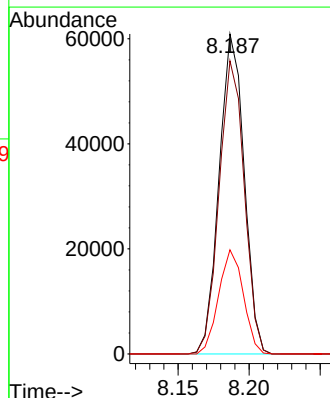
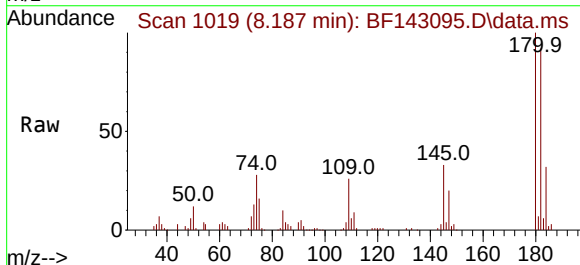
Tgt Ion:180 Resp: 74581

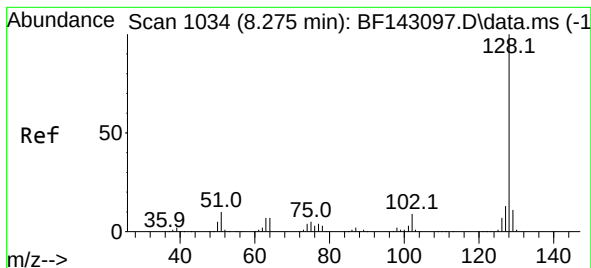
Ion Ratio Lower Upper

180 100

182 91.6 74.7 112.1

145 32.5 24.5 36.7





#31

Naphthalene

Concen: 10.551 ng

RT: 8.269 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

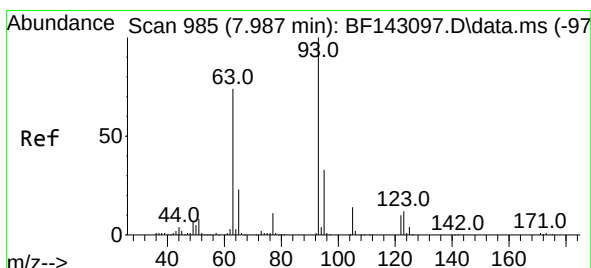
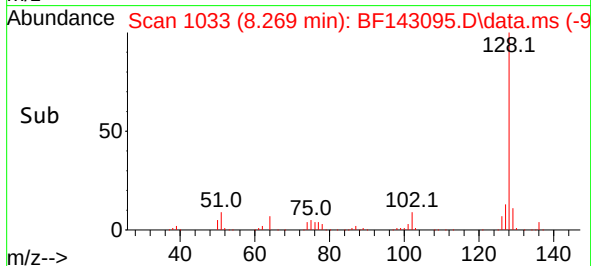
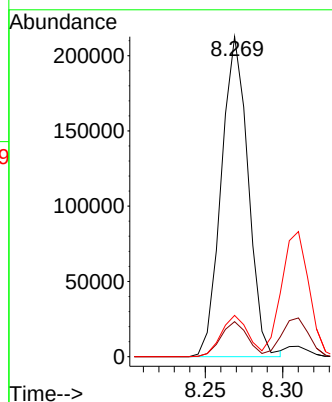
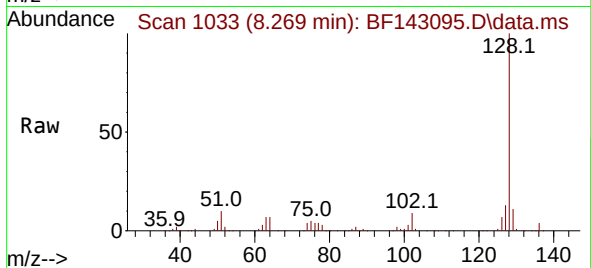
Tgt Ion:128 Resp: 256031

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

127 12.9 10.5 15.7



#32

Benzoic acid

Concen: 10.366 ng

RT: 7.939 min Scan# 977

Delta R.T. -0.048 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

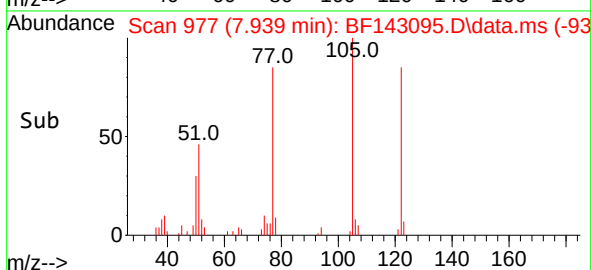
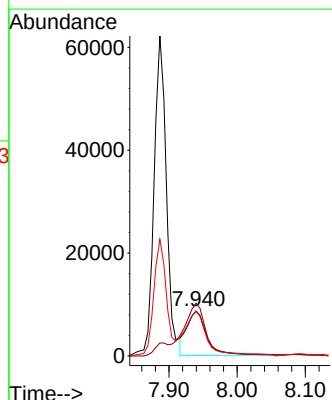
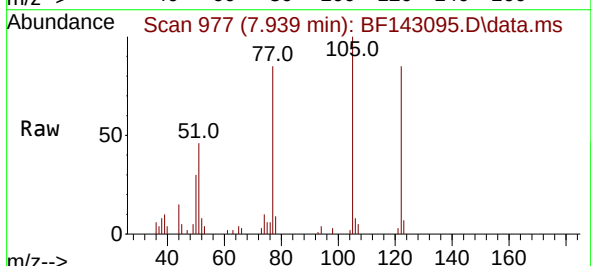
Tgt Ion:122 Resp: 17349

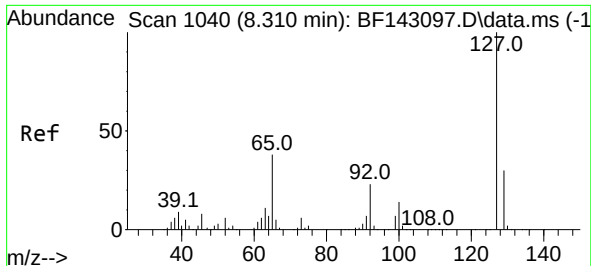
Ion Ratio Lower Upper

122 100

105 117.5 105.4 145.4

77 99.5 78.6 118.6

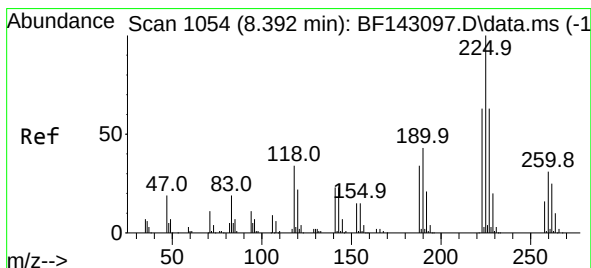
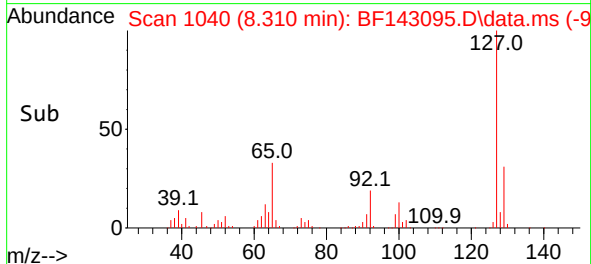
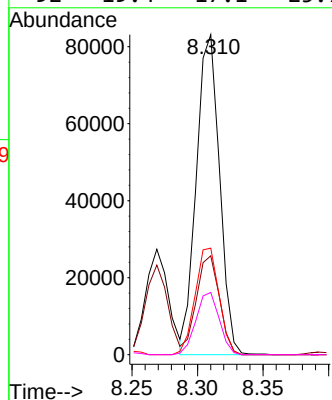
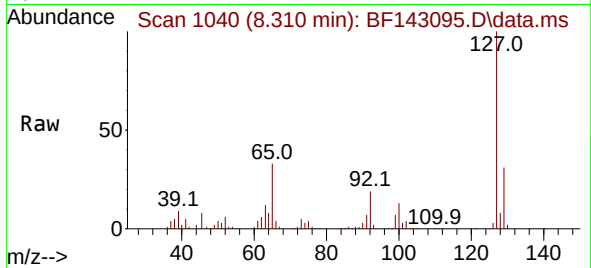




#33
4-Chloroaniline
Concen: 10.510 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

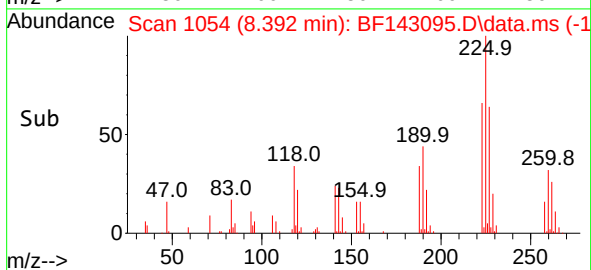
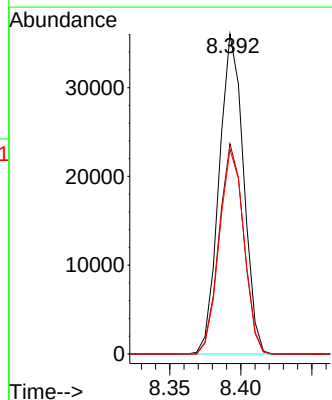
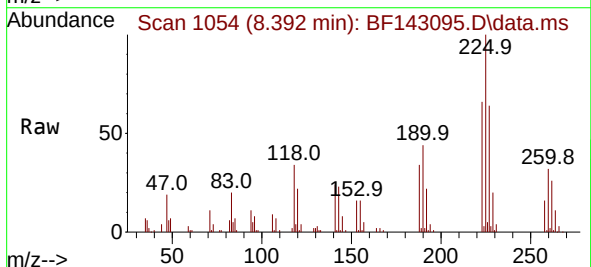
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

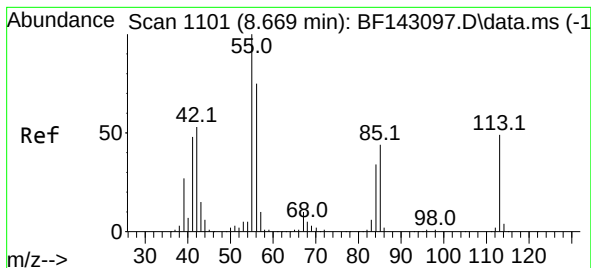
Tgt Ion:	127	Resp:	102550
Ion	Ratio	Lower	Upper
127	100		
129	30.9	26.2	39.4
65	33.3	28.6	42.8
92	19.4	17.1	25.7



#34
Hexachlorobutadiene
Concen: 9.901 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:	225	Resp:	42959
Ion	Ratio	Lower	Upper
225	100		
223	65.7	50.3	75.5
227	63.9	50.1	75.1





#35

Caprolactam

Concen: 8.944 ng

RT: 8.634 min Scan# 1101

Delta R.T. -0.035 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

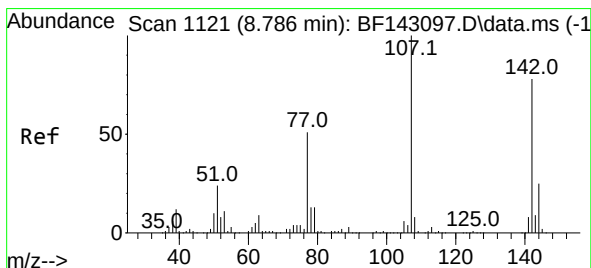
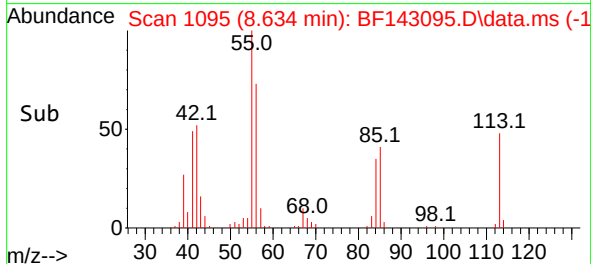
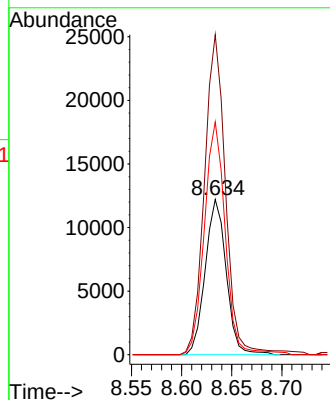
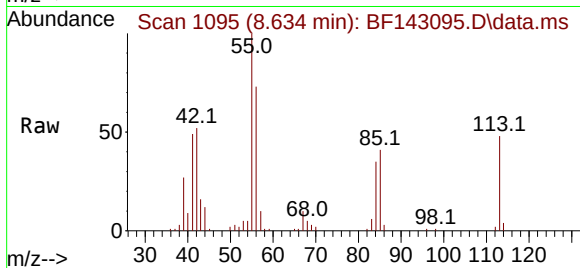
Tgt Ion:113 Resp: 17855

Ion Ratio Lower Upper

113 100

55 206.2 186.2 226.2

56 150.0 134.1 174.1



#36

4-Chloro-3-methylphenol

Concen: 9.935 ng

RT: 8.775 min Scan# 1119

Delta R.T. -0.012 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

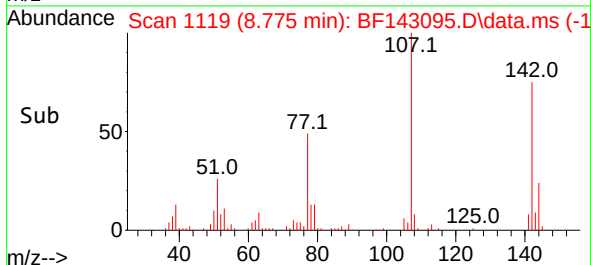
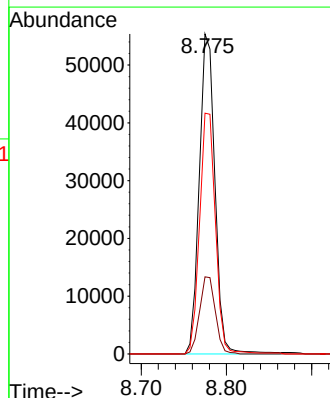
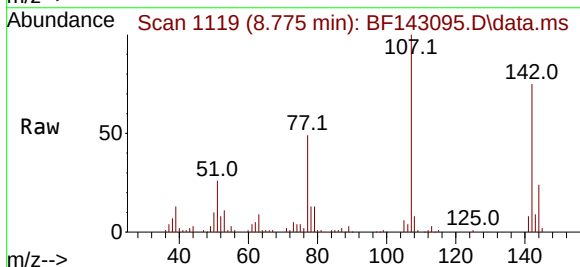
Tgt Ion:107 Resp: 70747

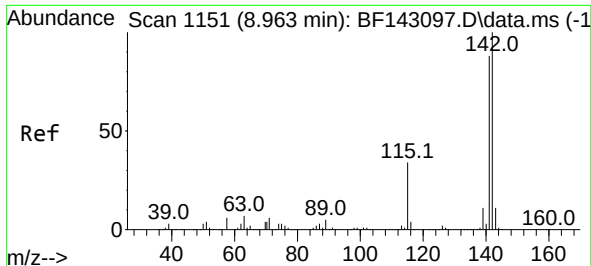
Ion Ratio Lower Upper

107 100

144 24.1 20.2 30.2

142 75.2 62.4 93.6

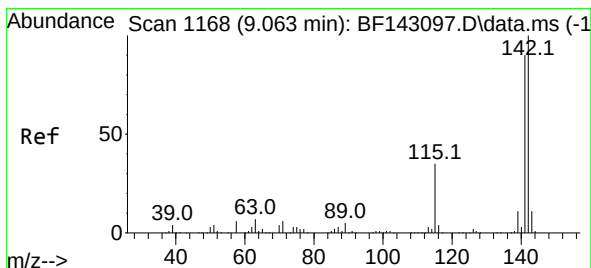
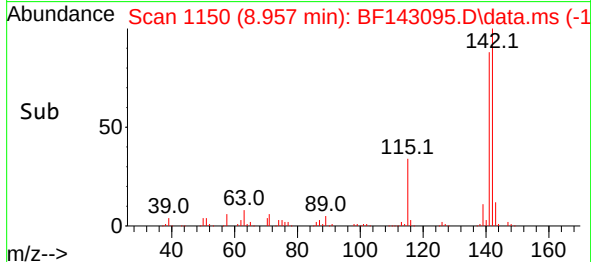
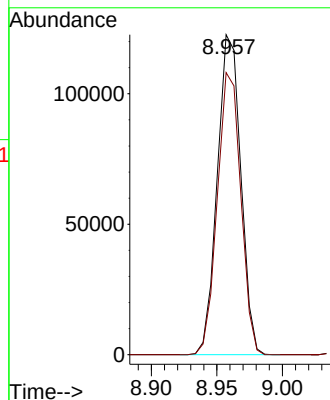
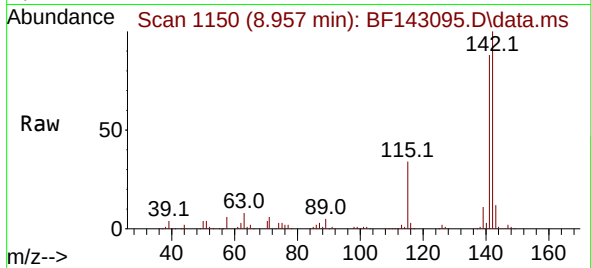




#37
2-Methylnaphthalene
Concen: 10.557 ng
RT: 8.957 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

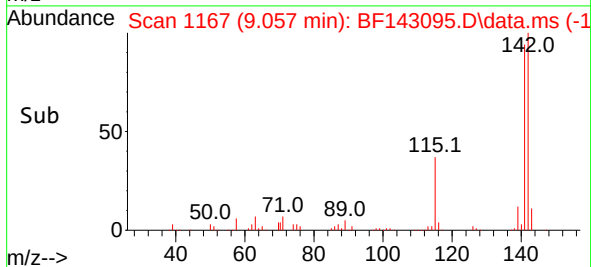
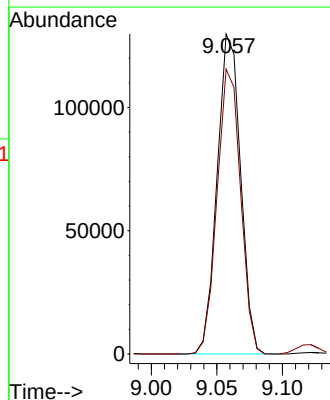
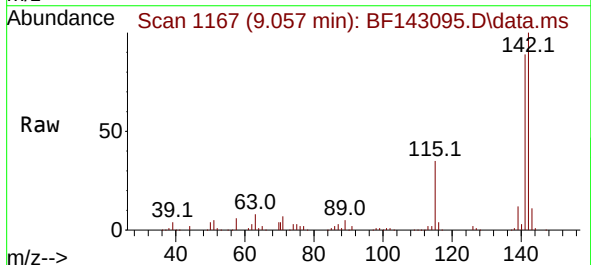
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

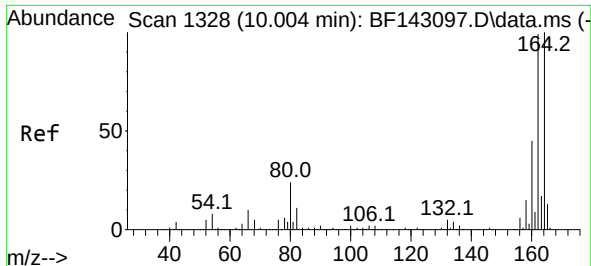
Tgt Ion:142 Resp: 152822
Ion Ratio Lower Upper
142 100
141 88.2 70.2 105.2



#38
1-Methylnaphthalene
Concen: 10.739 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:142 Resp: 161228
Ion Ratio Lower Upper
142 100
141 89.0 72.2 108.4

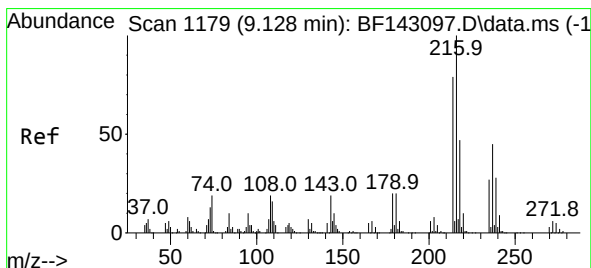
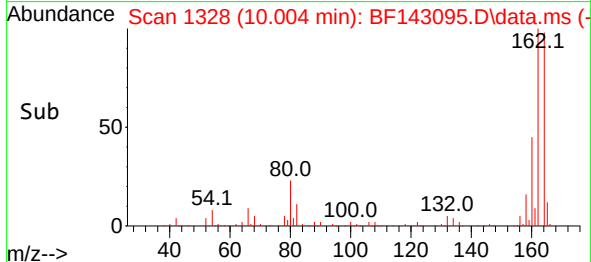
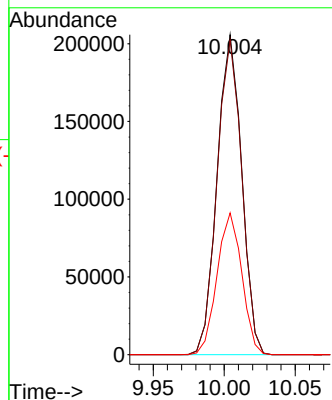
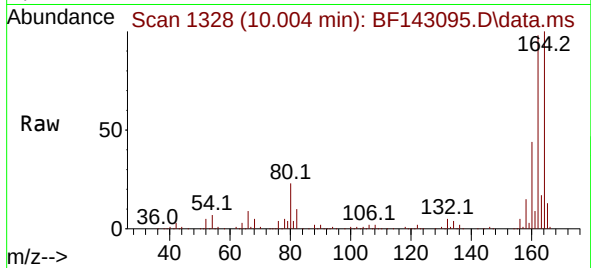




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

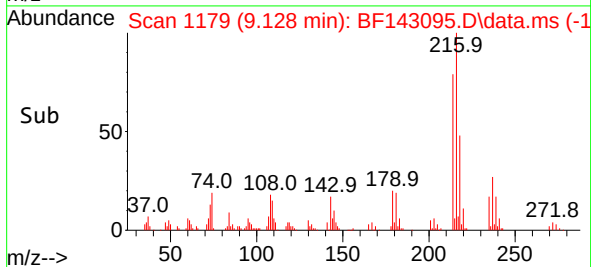
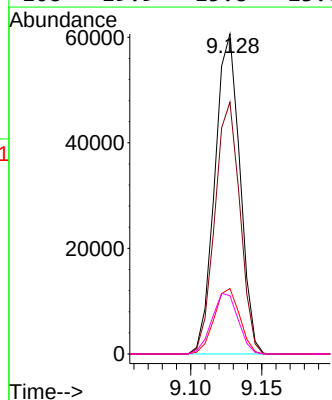
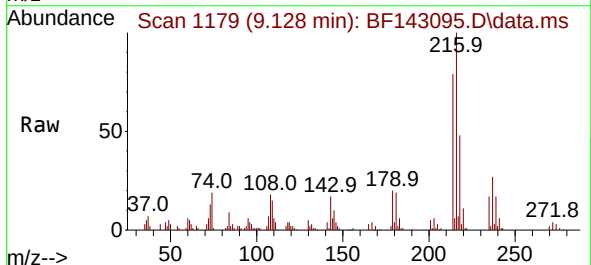
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

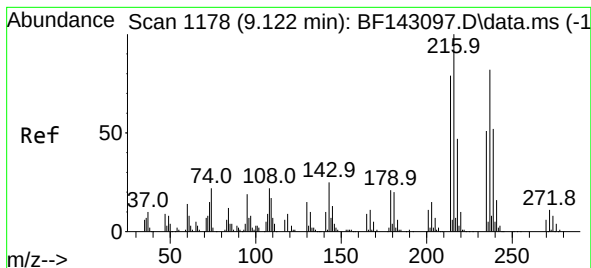
Tgt Ion:164 Resp: 248013
Ion Ratio Lower Upper
164 100
162 98.3 79.0 118.6
160 44.3 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.287 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:216 Resp: 74348
Ion Ratio Lower Upper
216 100
214 78.7 62.6 94.0
179 20.7 16.2 24.2
108 19.9 15.8 23.6





#41

Hexachlorocyclopentadiene

Concen: 7.854 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

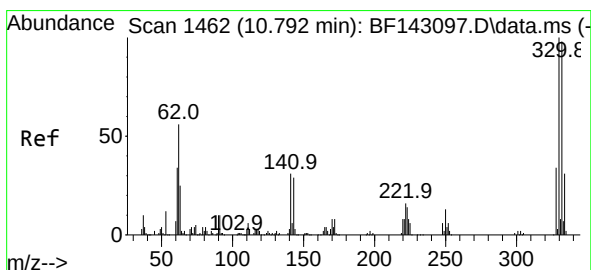
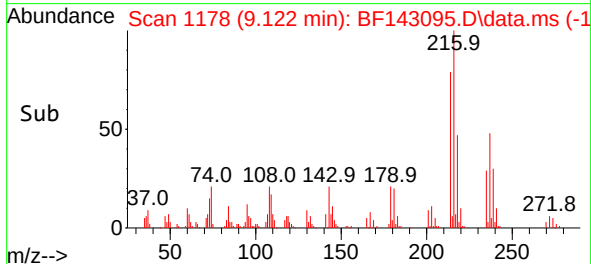
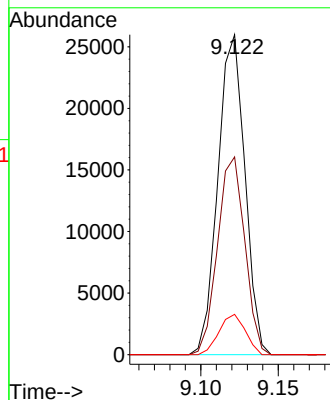
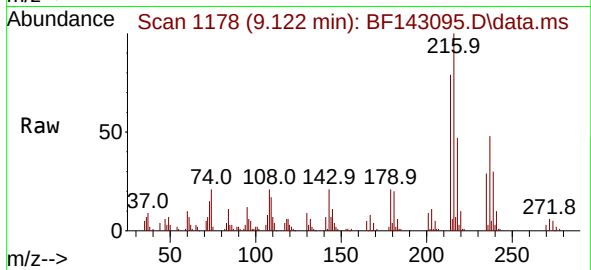
Tgt Ion:237 Resp: 31472

Ion Ratio Lower Upper

237 100

235 61.8 41.6 81.6

272 12.6 0.0 32.9



#42

2,4,6-Tribromophenol

Concen: 17.661 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

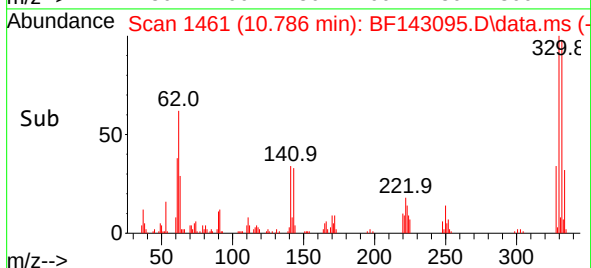
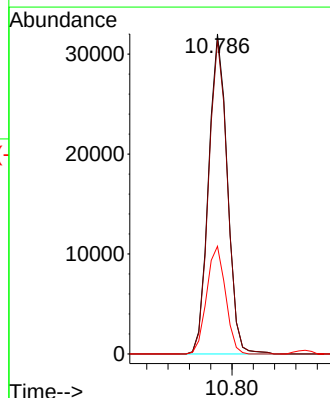
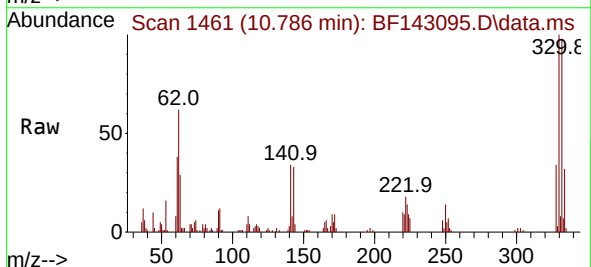
Tgt Ion:330 Resp: 39055

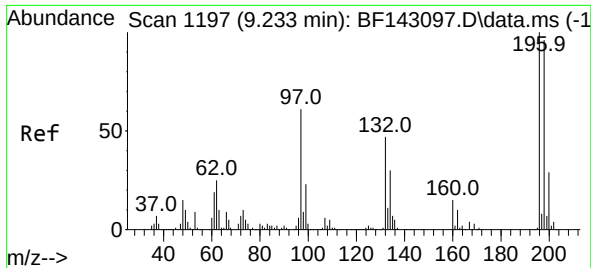
Ion Ratio Lower Upper

330 100

332 98.1 77.9 116.9

141 33.8 25.9 38.9

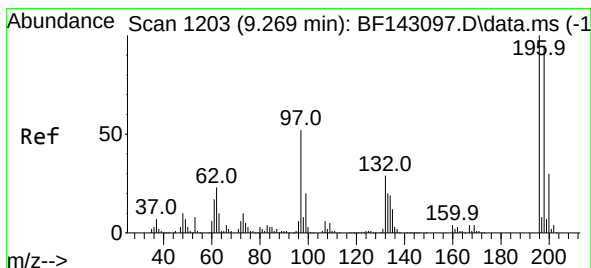
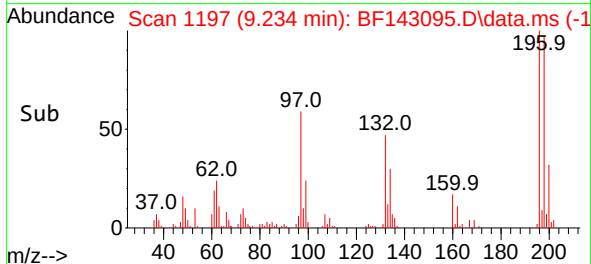
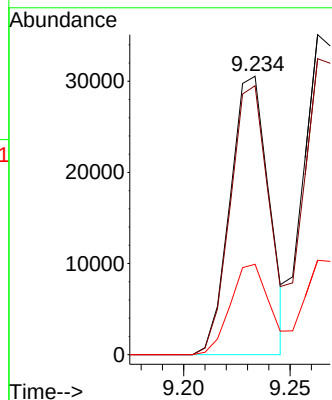
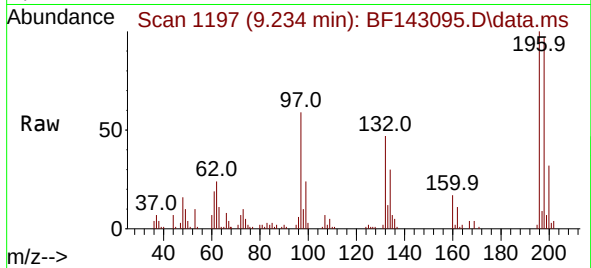




#43
2,4,6-Trichlorophenol
Concen: 8.628 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

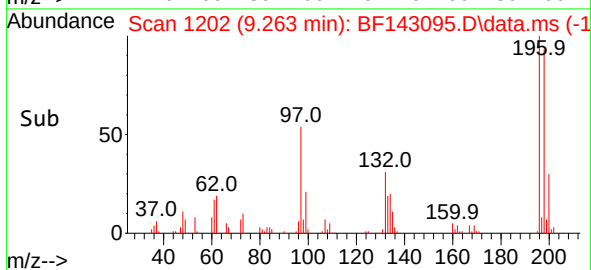
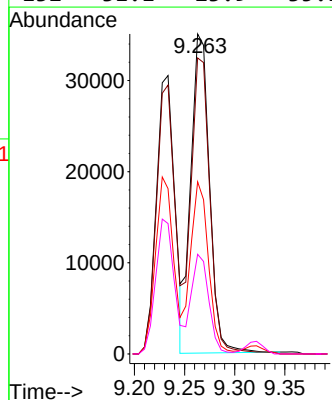
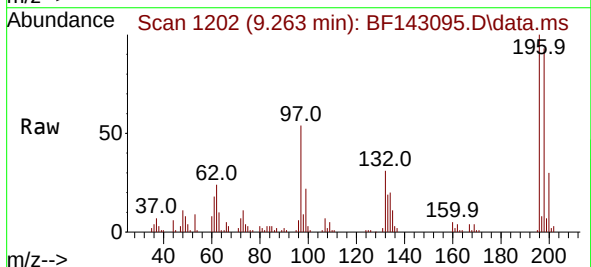
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

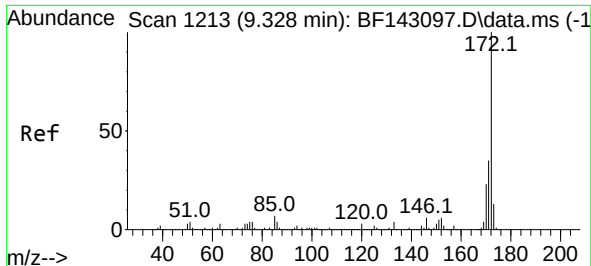
Tgt Ion:196 Resp: 38748
Ion Ratio Lower Upper
196 100
198 96.6 76.9 115.3
200 32.5 23.5 35.3



#44
2,4,5-Trichlorophenol
Concen: 9.653 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:196 Resp: 45455
Ion Ratio Lower Upper
196 100
198 92.5 76.4 114.6
97 53.8 42.4 63.6
132 31.1 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 21.860 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

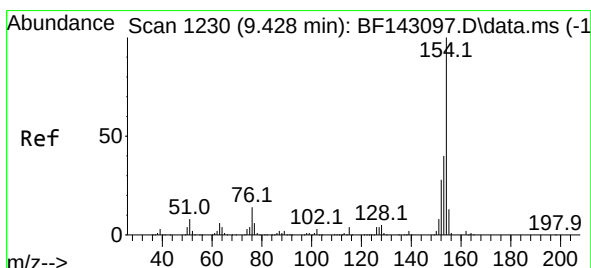
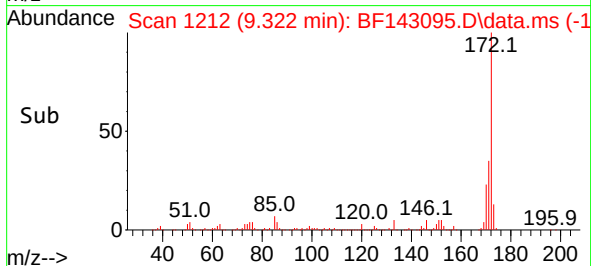
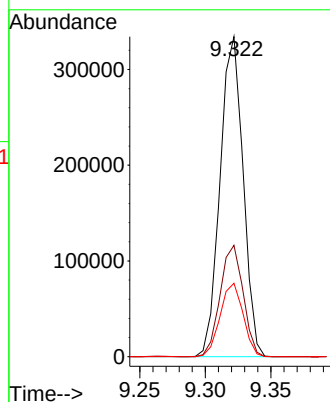
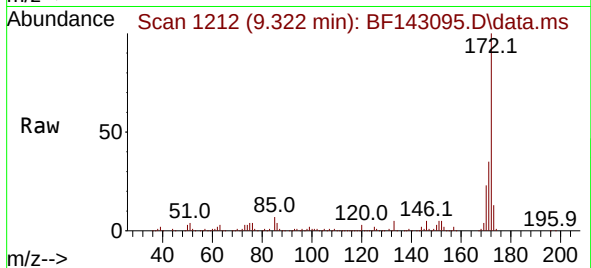
Tgt Ion:172 Resp: 407861

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.0 18.6 28.0



#46

1,1'-Biphenyl

Concen: 10.580 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

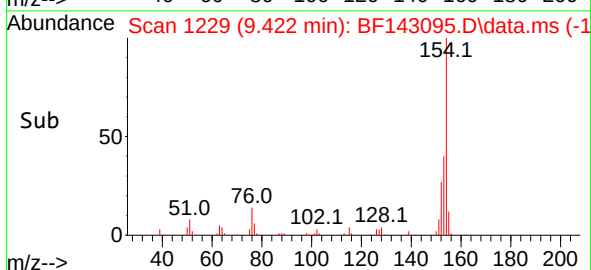
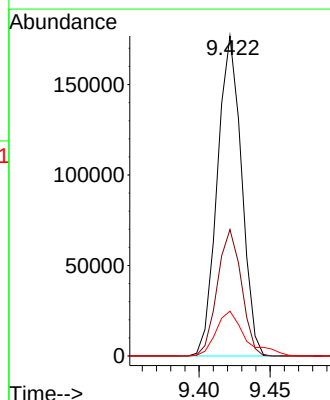
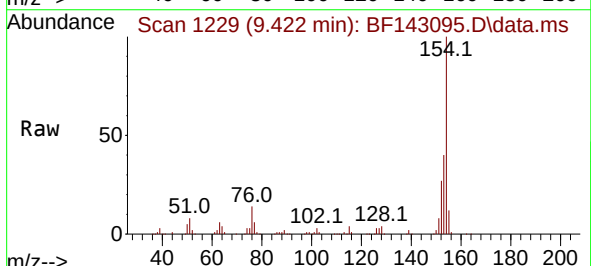
Tgt Ion:154 Resp: 209259

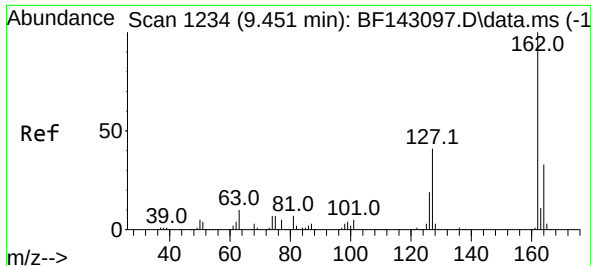
Ion Ratio Lower Upper

154 100

153 39.5 20.1 60.1

76 14.0 0.0 33.7

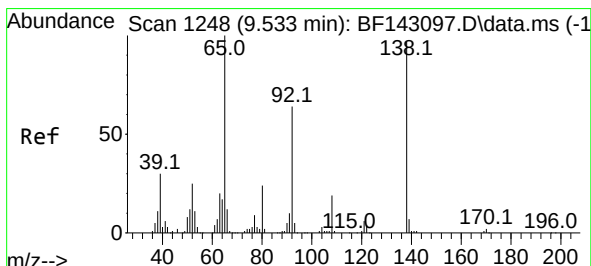
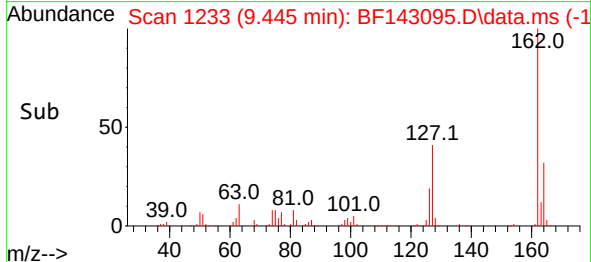
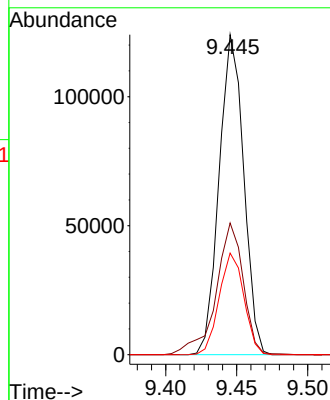
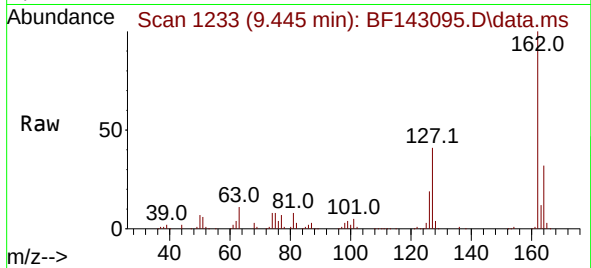




#47
2-Chloronaphthalene
Concen: 10.267 ng
RT: 9.445 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

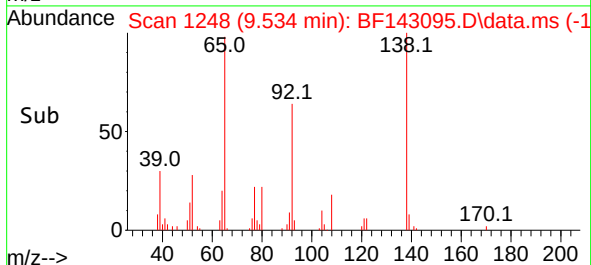
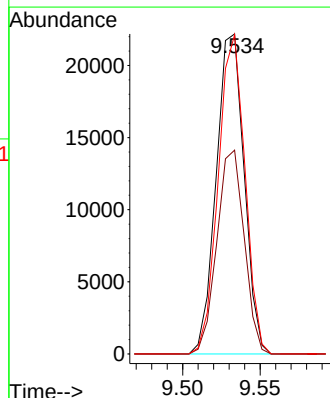
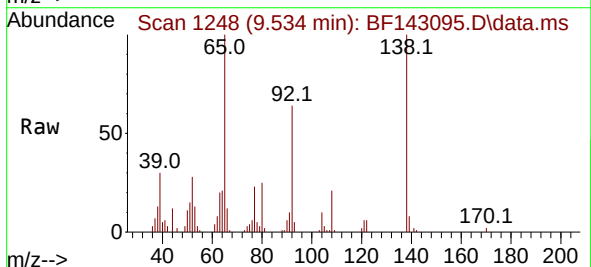
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

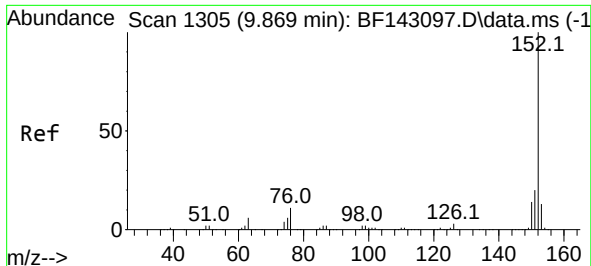
Tgt Ion:162 Resp: 149175
Ion Ratio Lower Upper
162 100
127 41.1 33.0 49.6
164 31.8 26.1 39.1



#48
2-Nitroaniline
Concen: 9.163 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.001 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 65 Resp: 27816
Ion Ratio Lower Upper
65 100
92 63.7 51.3 76.9
138 99.7 77.8 116.6





#49

Acenaphthylene

Concen: 10.302 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

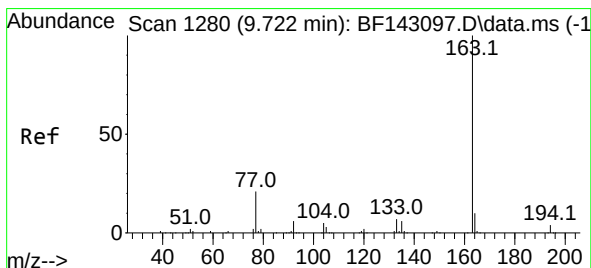
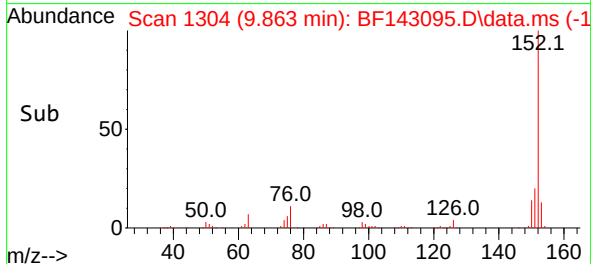
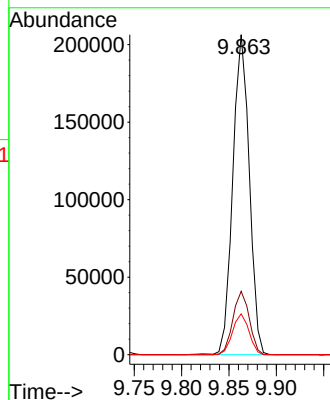
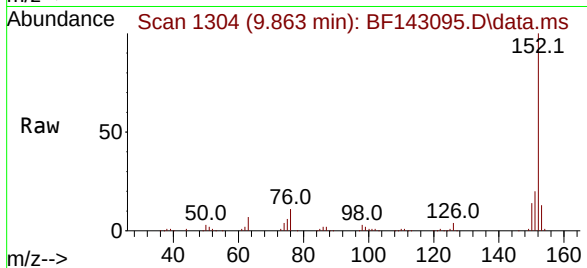
Tgt Ion:152 Resp: 249435

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.8

153 12.8 10.4 15.6



#50

Dimethylphthalate

Concen: 10.003 ng

RT: 9.710 min Scan# 1278

Delta R.T. -0.012 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

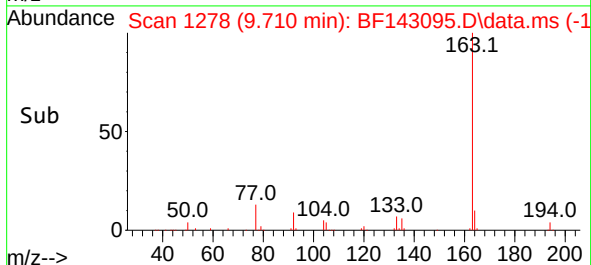
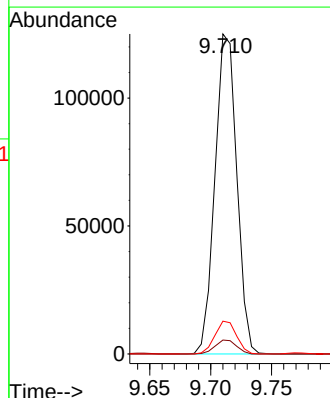
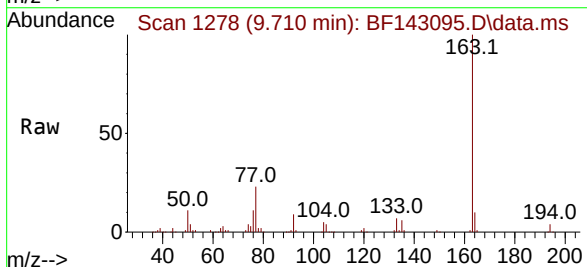
Tgt Ion:163 Resp: 156072

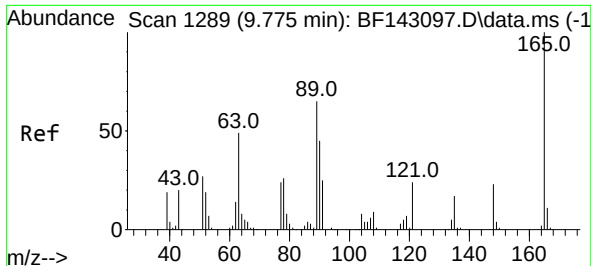
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.2 8.2 12.2

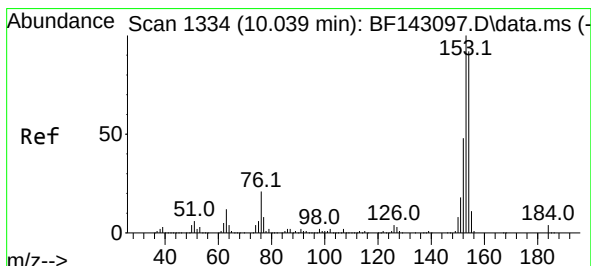
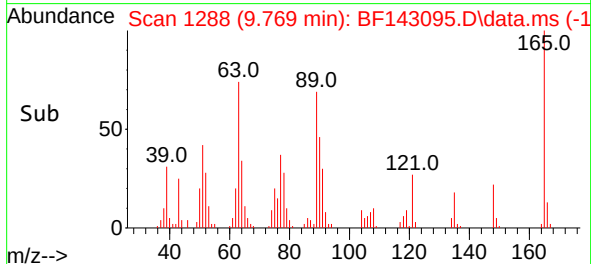
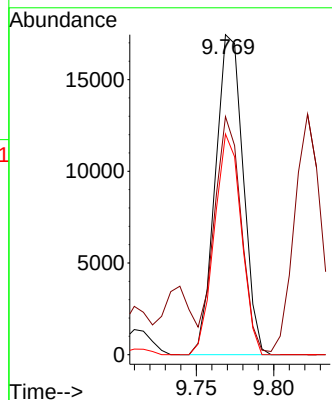
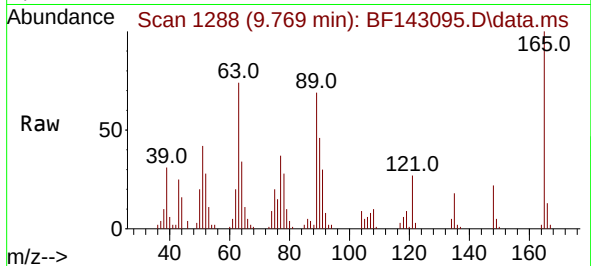




#51
2,6-Dinitrotoluene
Concen: 9.451 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

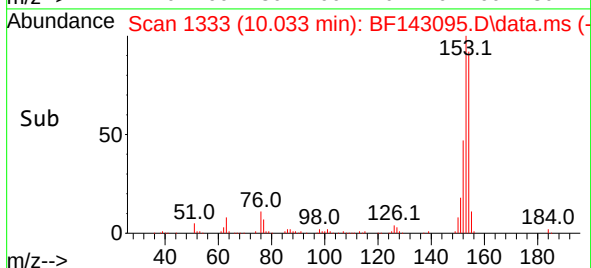
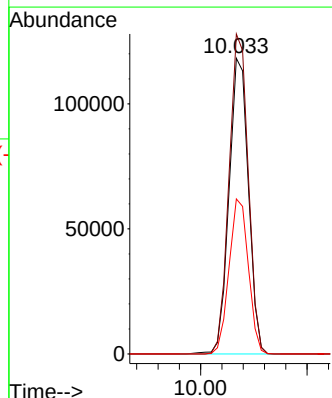
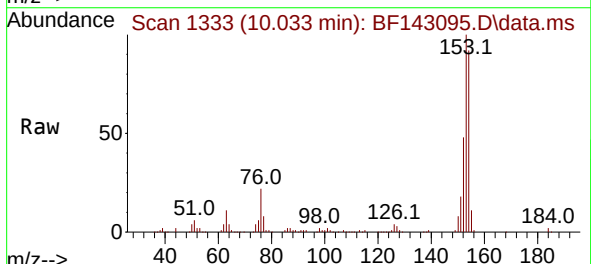
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

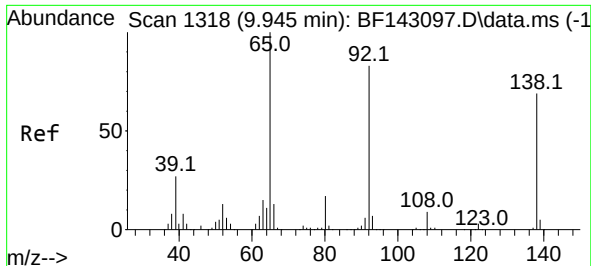
Tgt Ion:165 Resp: 21789
Ion Ratio Lower Upper
165 100
63 74.4 57.4 86.0
89 69.0 51.8 77.8



#52
Acenaphthene
Concen: 10.451 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:154 Resp: 149318
Ion Ratio Lower Upper
154 100
153 108.2 86.7 130.1
152 52.4 41.4 62.2

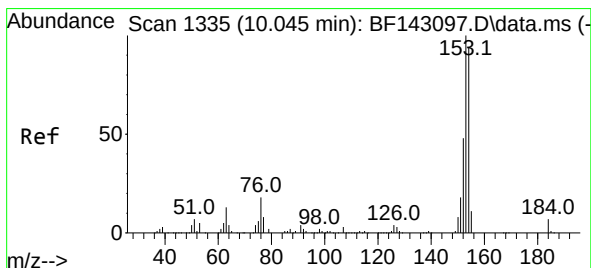
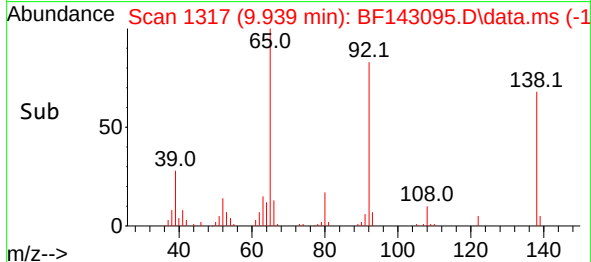
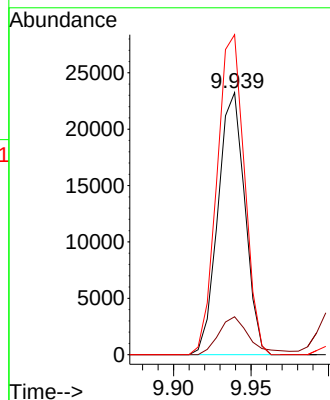
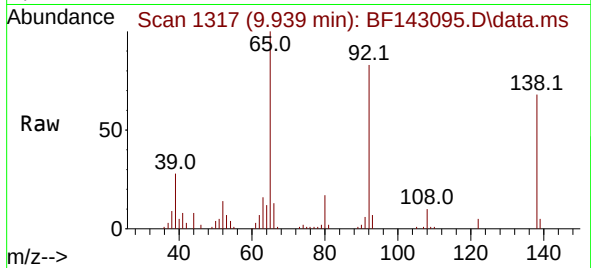




#53
3-Nitroaniline
Concen: 8.336 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

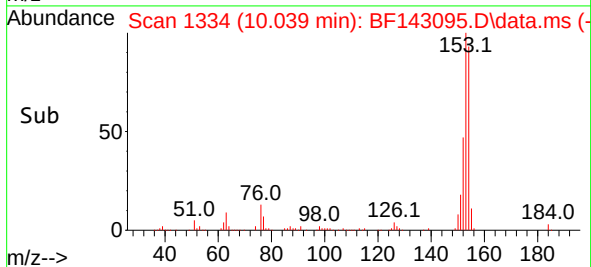
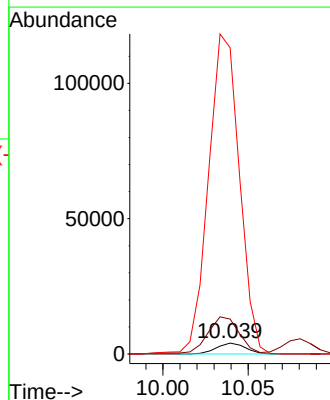
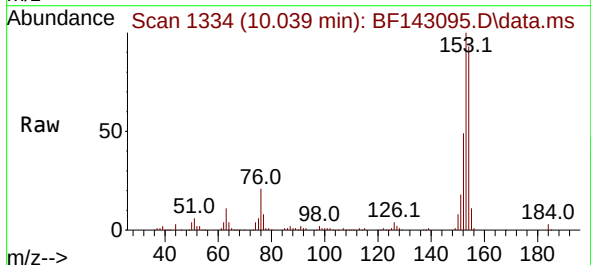
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

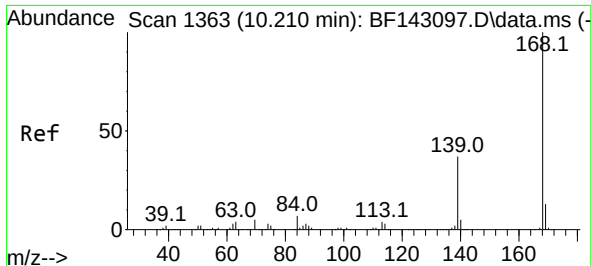
Tgt Ion:138 Resp: 28105
Ion Ratio Lower Upper
138 100
108 14.5 10.1 15.1
92 122.1 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 10.239 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:184 Resp: 4729
Ion Ratio Lower Upper
184 100
63 321.1 149.3 223.9#
154 2815.4 1048.0 1572.0#

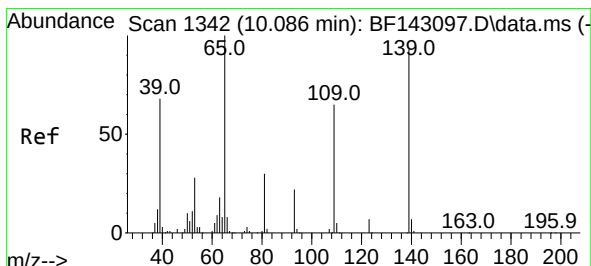
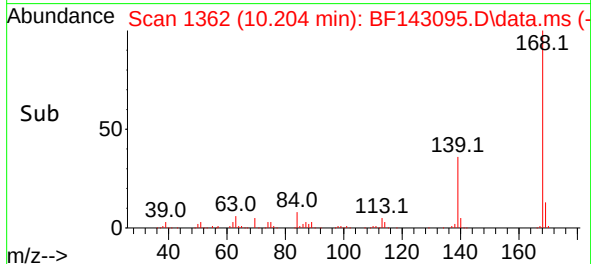
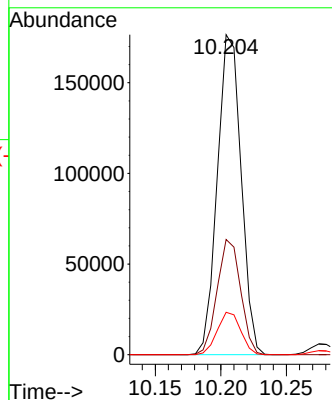
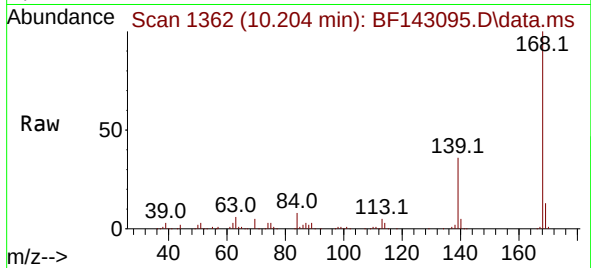




#55
Dibenzenofuran
Concen: 10.451 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

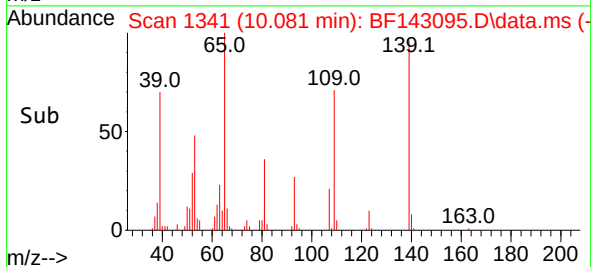
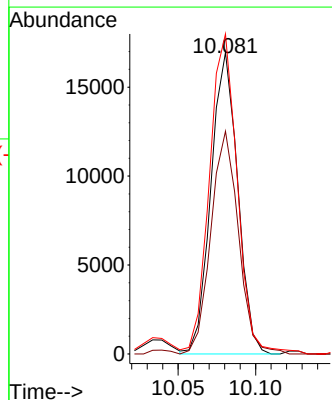
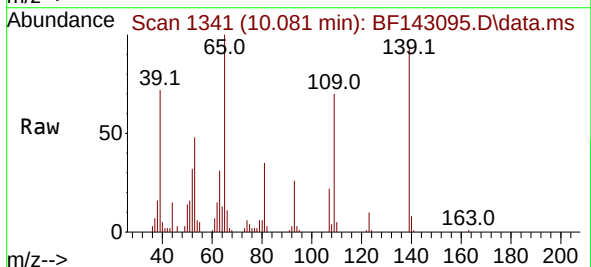
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

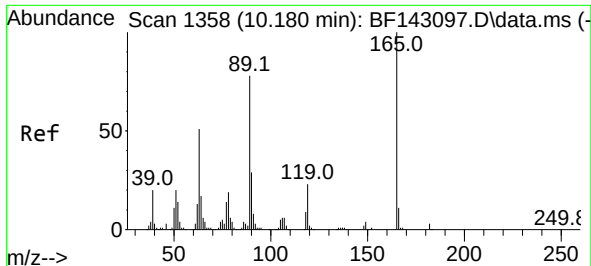
Tgt Ion:168 Resp: 222555
Ion Ratio Lower Upper
168 100
139 36.0 29.8 44.6
169 13.3 10.8 16.2



#56
4-Nitrophenol
Concen: 7.589 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:139 Resp: 20334
Ion Ratio Lower Upper
139 100
109 73.8 49.4 89.4
65 106.1 88.2 128.2

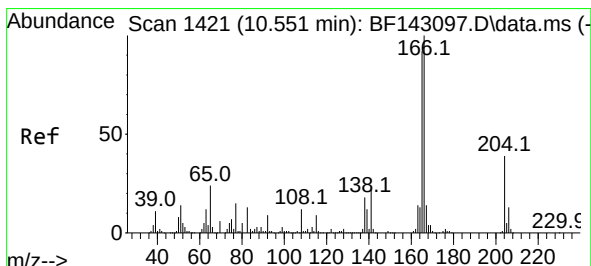
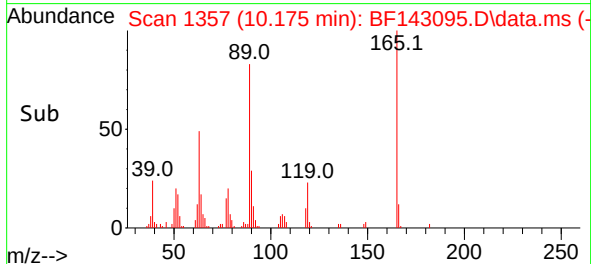
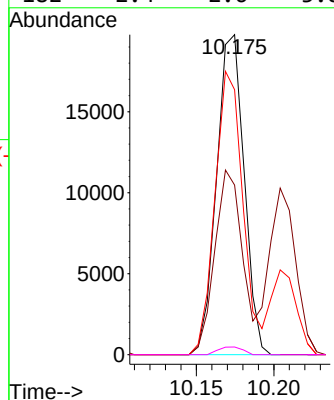
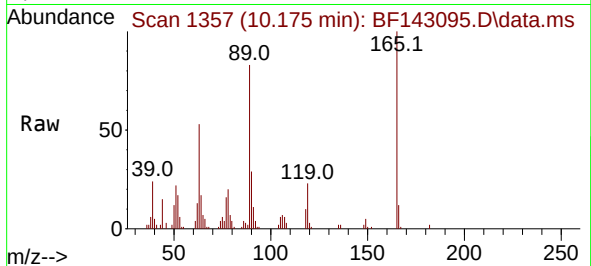




#57
2,4-Dinitrotoluene
Concen: 9.293 ng
RT: 10.175 min Scan# 1357
Delta R.T. -0.005 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

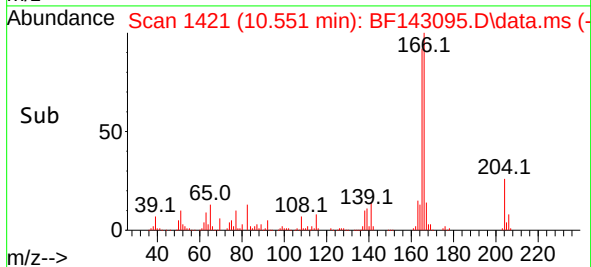
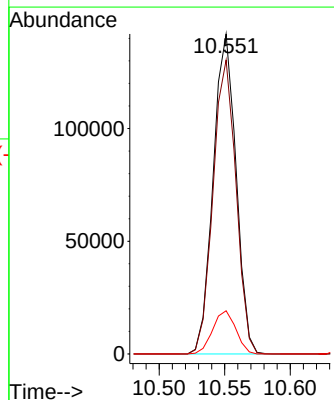
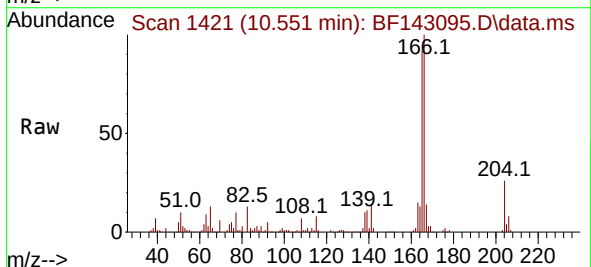
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

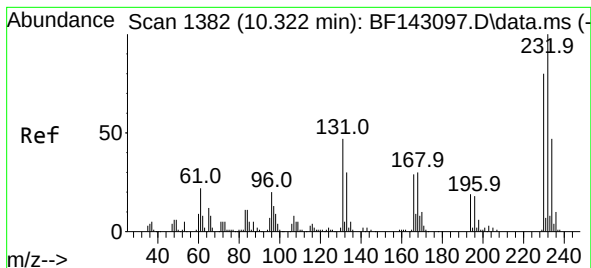
Tgt Ion:165 Resp: 24420
Ion Ratio Lower Upper
165 100
63 53.0 40.6 61.0
89 82.8 62.3 93.5
182 2.4 2.6 3.8#



#58
Fluorene
Concen: 10.771 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:166 Resp: 171975
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 13.5 10.9 16.3

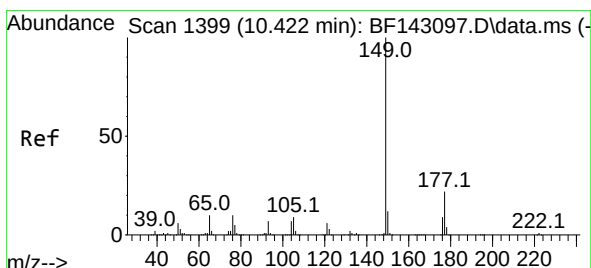
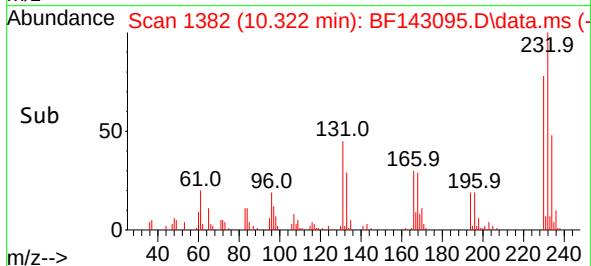
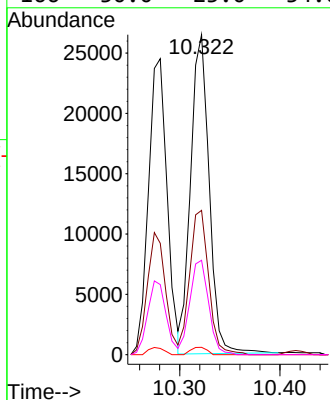
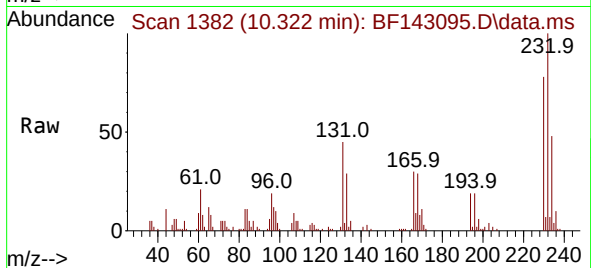




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.084 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

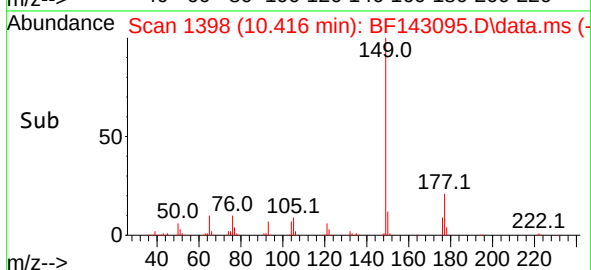
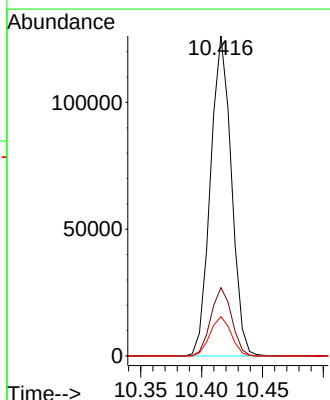
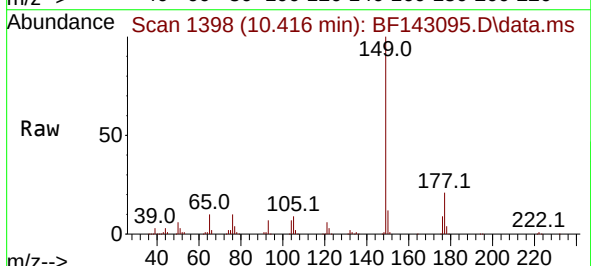
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

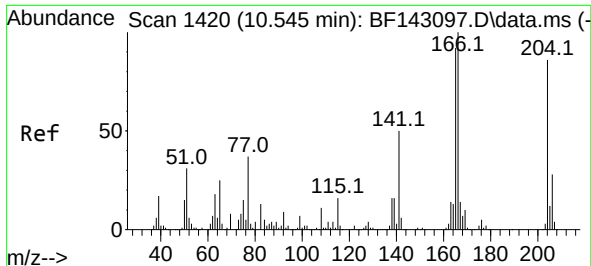
Tgt Ion:232	Resp:	33995
Ion Ratio	Lower	Upper
232	100	
131	46.3	36.9 55.3
130	2.0	1.8 2.8
166	30.0	23.0 34.6



#60
Diethylphthalate
Concen: 10.027 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149	Resp:	150934
Ion Ratio	Lower	Upper
149	100	
177	21.3	17.3 25.9
150	12.3	9.9 14.9

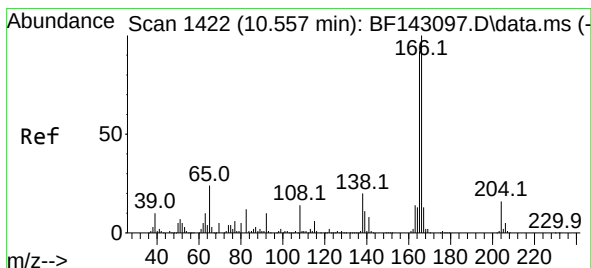
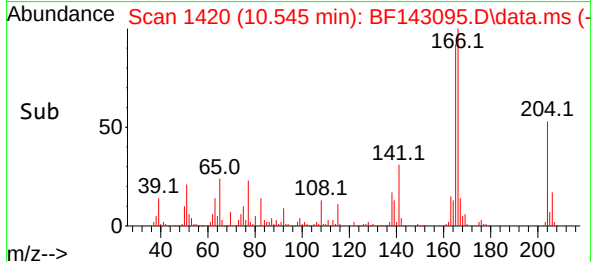
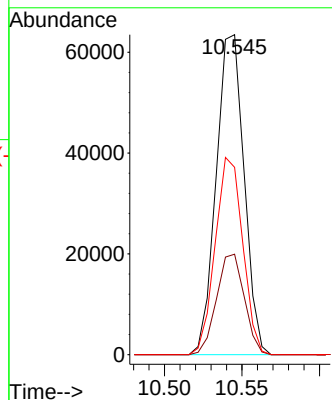
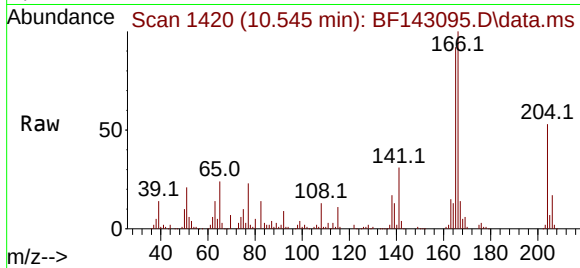




#61
4-Chlorophenyl-phenylether
Concen: 10.400 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

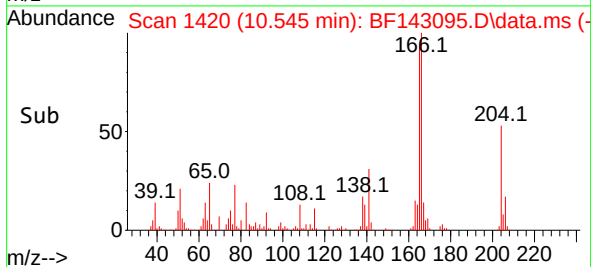
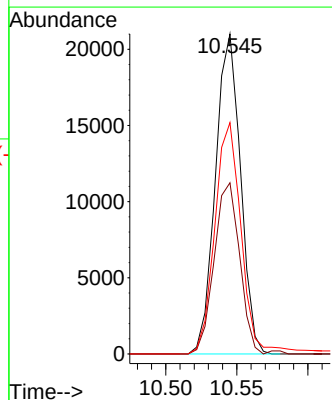
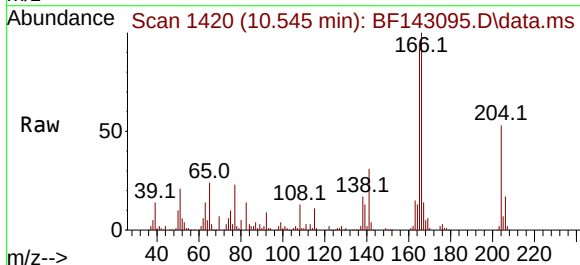
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

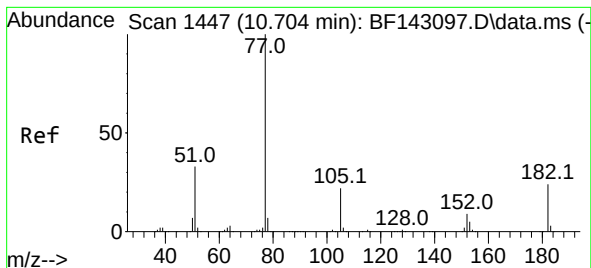
Tgt Ion:204 Resp: 79583
Ion Ratio Lower Upper
204 100
206 31.4 25.8 38.6
141 58.6 46.8 70.2



#62
4-Nitroaniline
Concen: 8.785 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:138 Resp: 25757
Ion Ratio Lower Upper
138 100
92 53.5 30.4 70.4
108 72.3 49.5 89.5





#63

Azobenzene

Concen: 10.418 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 77 Resp: 173437

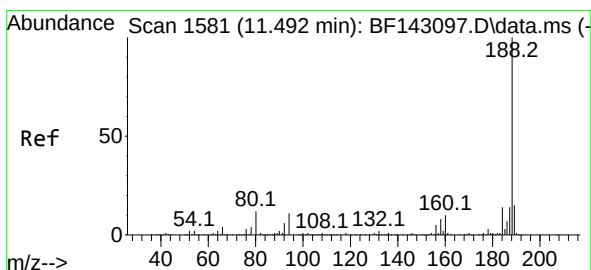
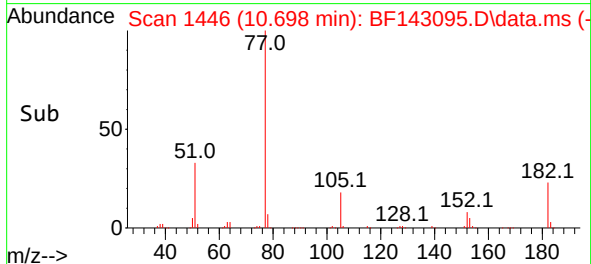
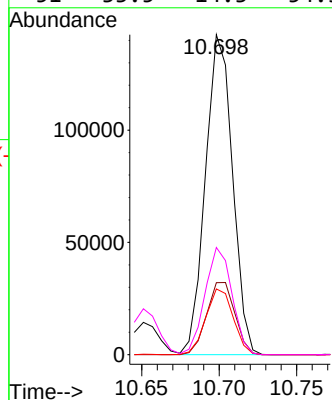
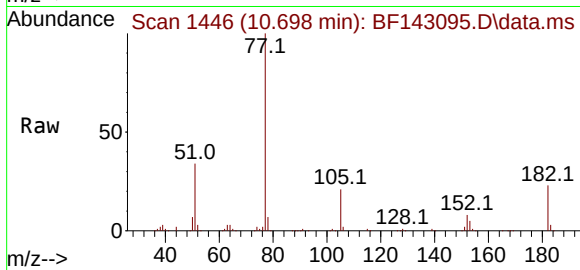
Ion Ratio Lower Upper

77 100

182 22.5 4.0 44.0

105 20.6 1.4 41.4

51 33.5 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

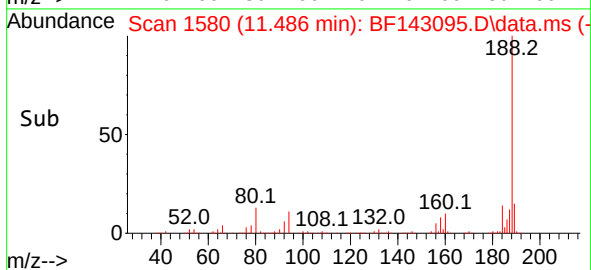
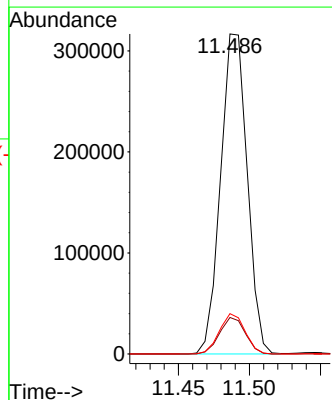
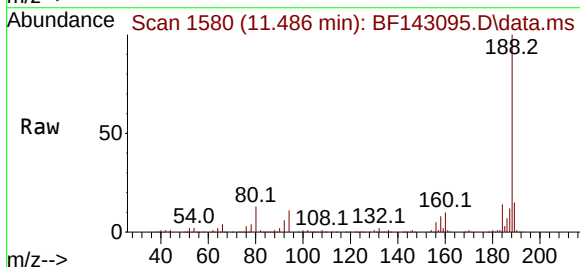
Tgt Ion: 188 Resp: 412977

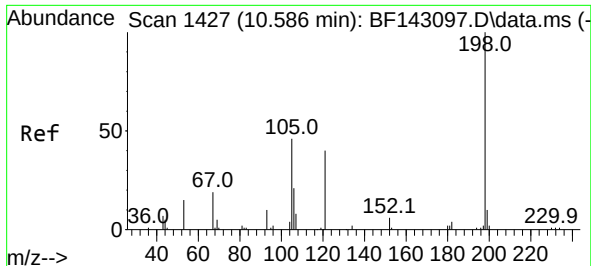
Ion Ratio Lower Upper

188 100

94 11.4 8.6 13.0

80 12.6 9.3 13.9

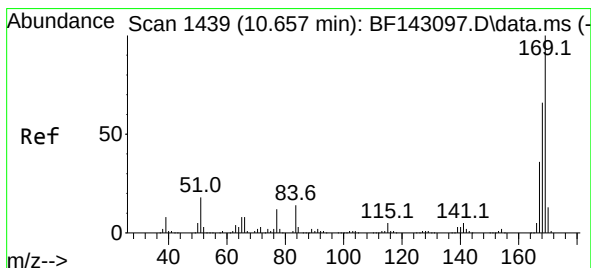
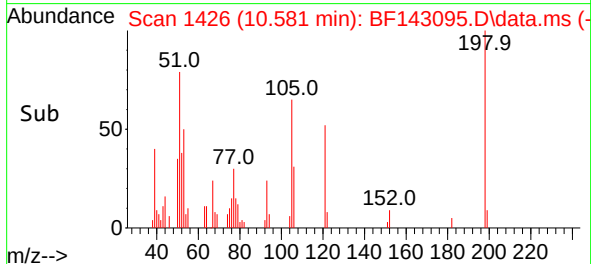
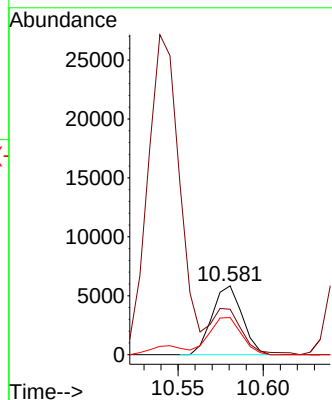
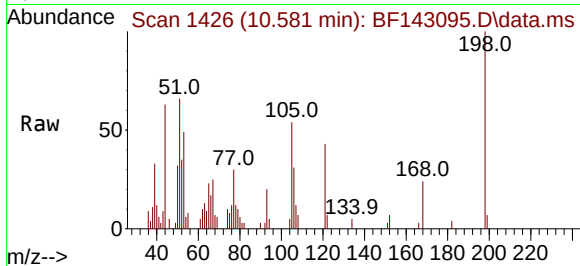




#65
4,6-Dinitro-2-methylphenol
Concen: 10.290 ng
RT: 10.581 min Scan# 1427
Delta R.T. -0.005 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

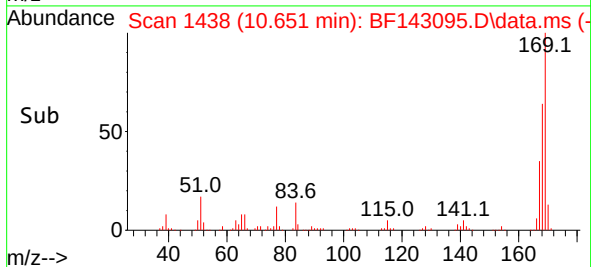
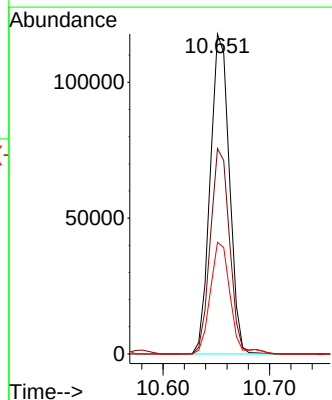
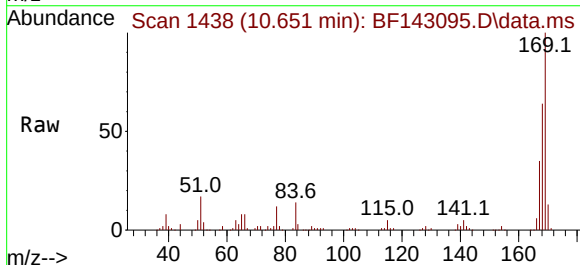
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

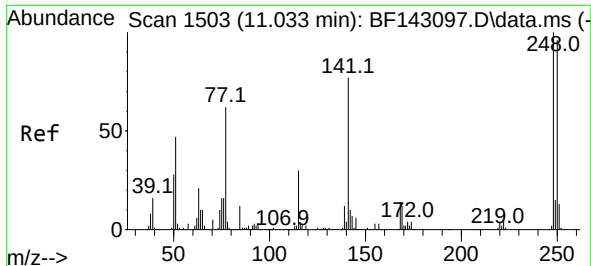
Tgt Ion:198 Resp: 7158
Ion Ratio Lower Upper
198 100
51 66.0 44.6 84.6
105 54.0 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 10.094 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:169 Resp: 146433
Ion Ratio Lower Upper
169 100
168 64.2 53.0 79.6
167 34.9 28.4 42.6

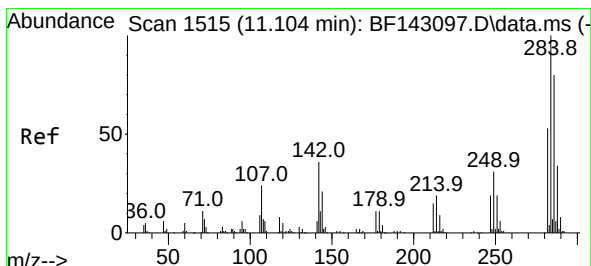
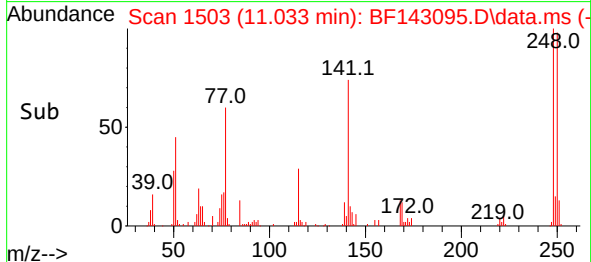
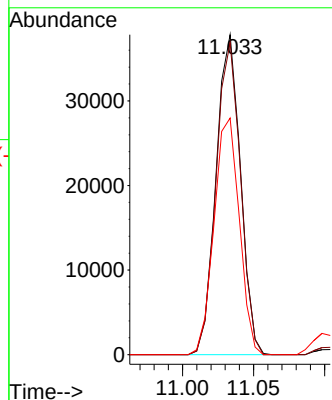
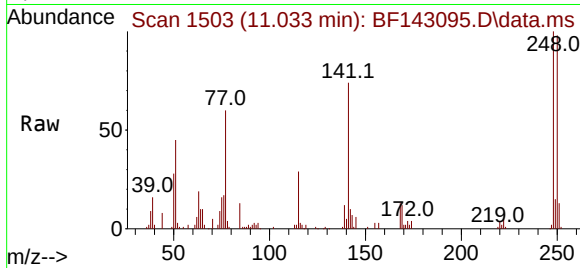




#67
4-Bromophenyl-phenylether
Concen: 9.641 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

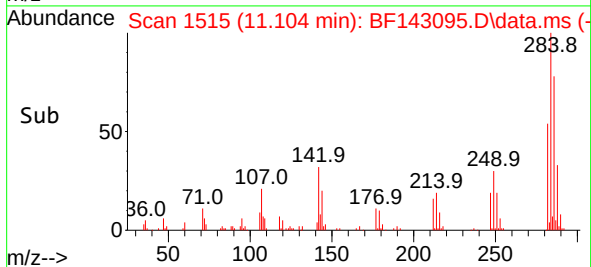
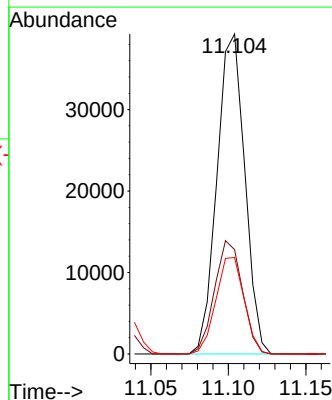
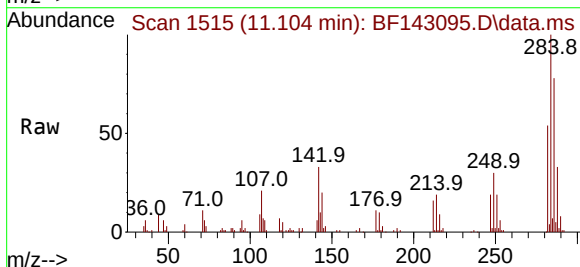
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

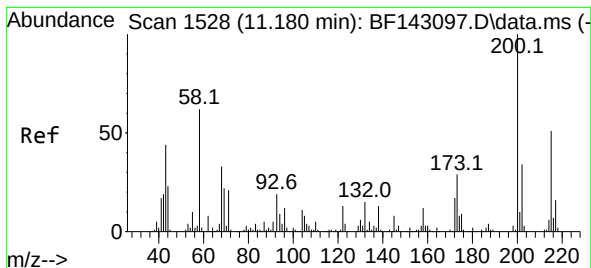
Tgt Ion:248 Resp: 45279
Ion Ratio Lower Upper
248 100
250 97.5 76.7 115.1
141 73.9 61.7 92.5



#68
Hexachlorobenzene
Concen: 9.840 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:284 Resp: 49035
Ion Ratio Lower Upper
284 100
142 32.6 28.9 43.3
249 30.1 24.6 37.0





#69

Atrazine

Concen: 9.492 ng

RT: 11.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

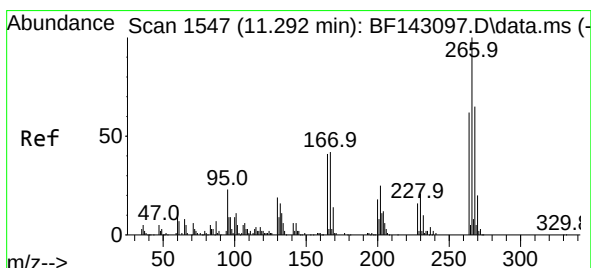
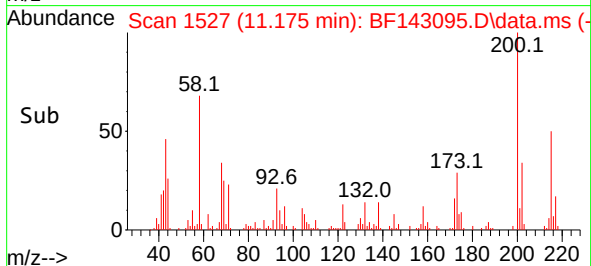
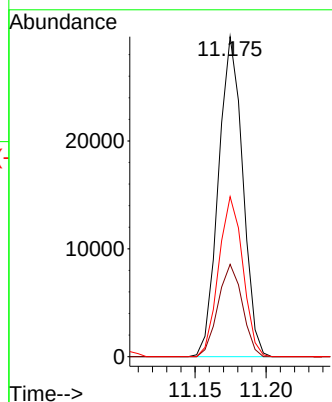
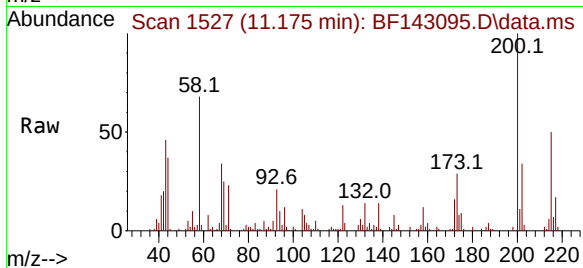
Tgt Ion:200 Resp: 35230

Ion Ratio Lower Upper

200 100

173 28.9 9.1 49.1

215 50.0 31.0 71.0



#70

Pentachlorophenol

Concen: 7.405 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

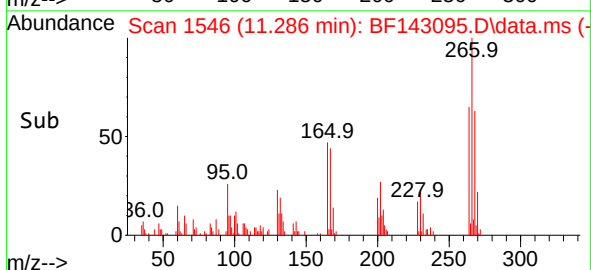
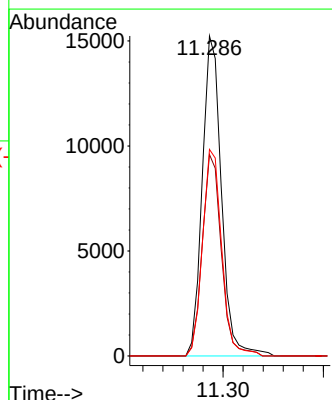
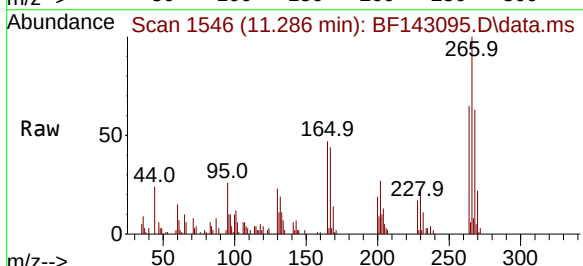
Tgt Ion:266 Resp: 20245

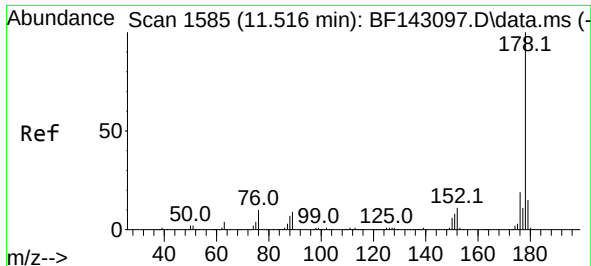
Ion Ratio Lower Upper

266 100

268 63.0 51.8 77.6

264 64.6 49.7 74.5

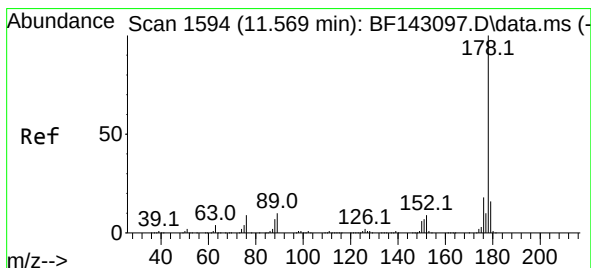
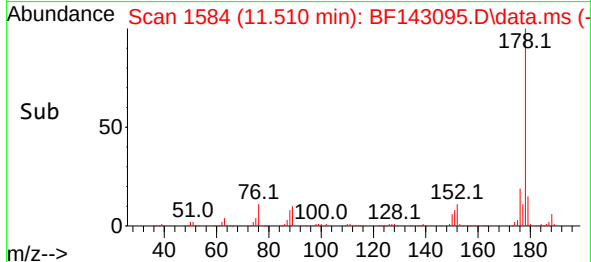
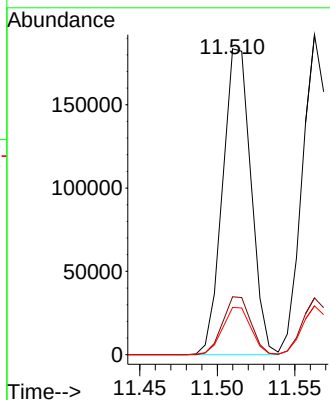
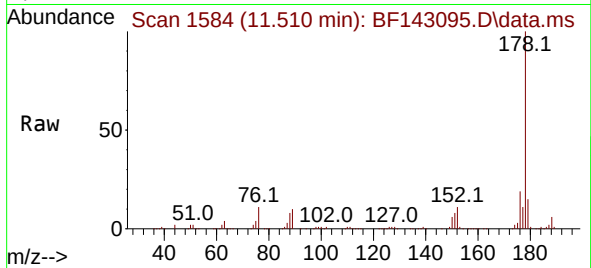




#71
Phenanthrene
Concen: 10.526 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

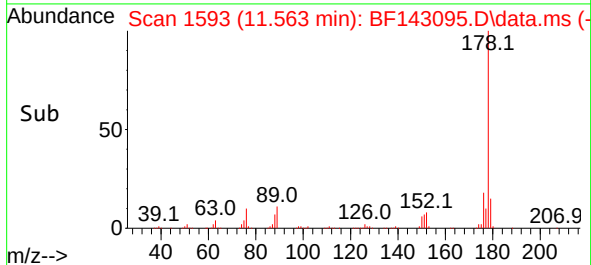
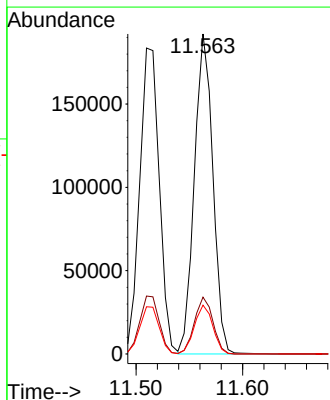
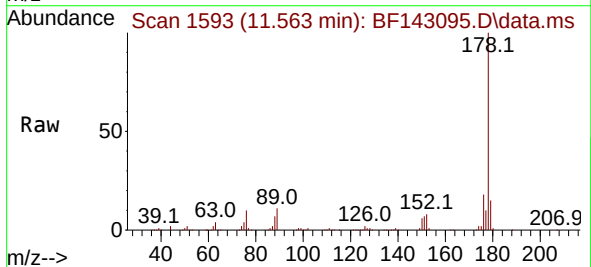
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

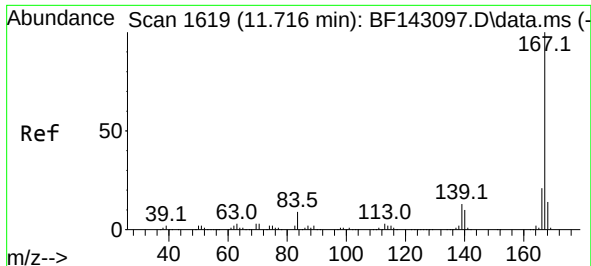
Tgt Ion:178 Resp: 234601
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.4 12.2 18.4



#72
Anthracene
Concen: 10.372 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:178 Resp: 232459
Ion Ratio Lower Upper
178 100
176 17.7 14.7 22.1
179 15.2 12.4 18.6

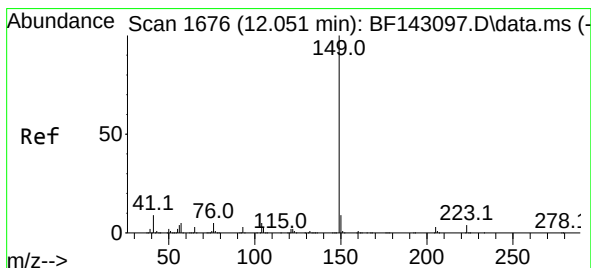
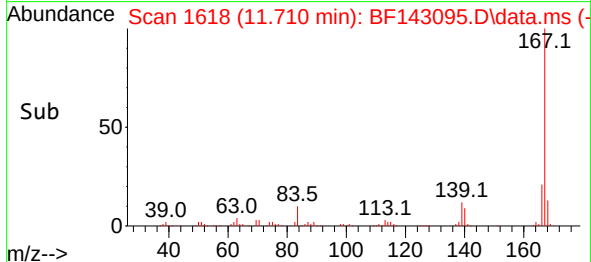
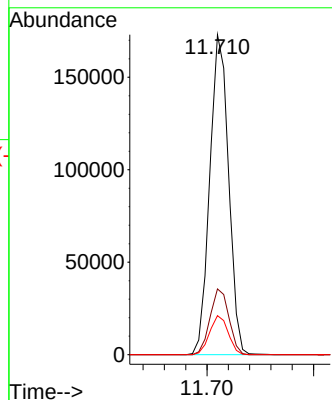
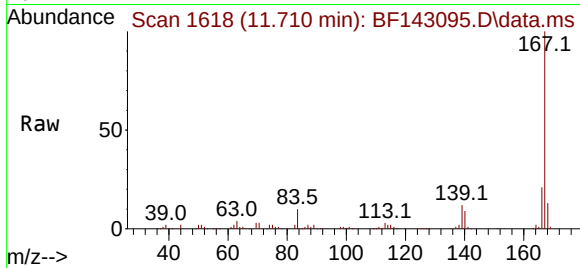




#73
 Carbazole
 Concen: 10.551 ng
 RT: 11.710 min Scan# 1619
 Delta R.T. -0.006 min
 Lab File: BF143095.D
 Acq: 15 Jul 2025 14:05

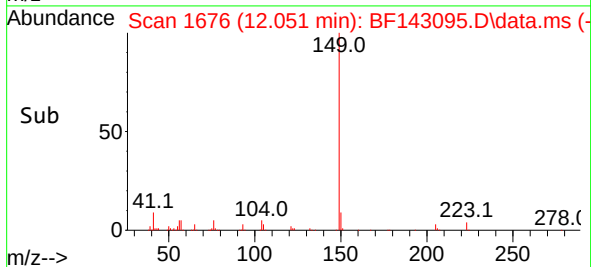
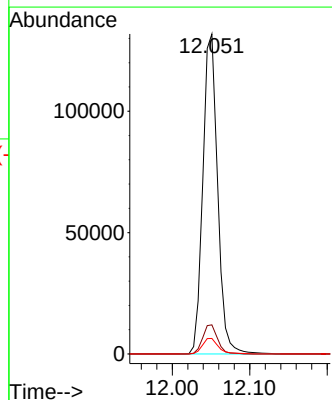
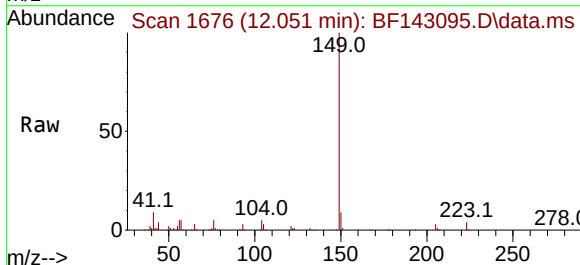
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

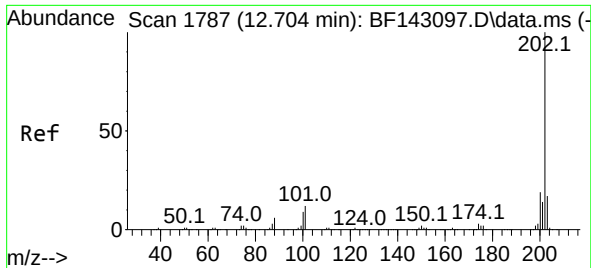
Tgt Ion:167 Resp: 211853
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.0 25.4
 139 12.2 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 9.475 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. 0.000 min
 Lab File: BF143095.D
 Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 174639
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.3 10.9
 104 4.8 3.8 5.8

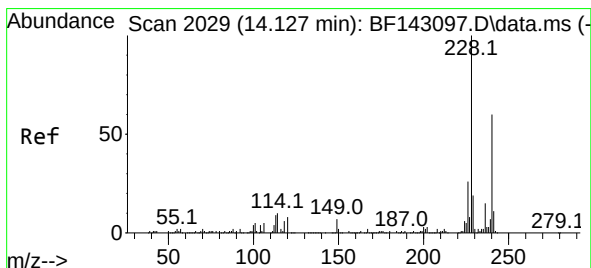
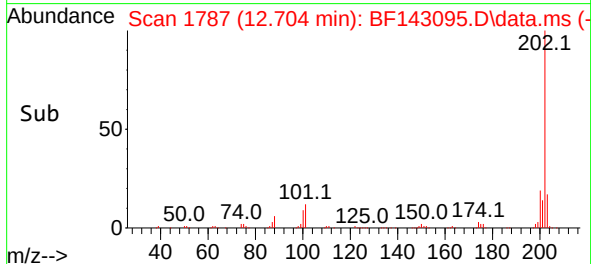
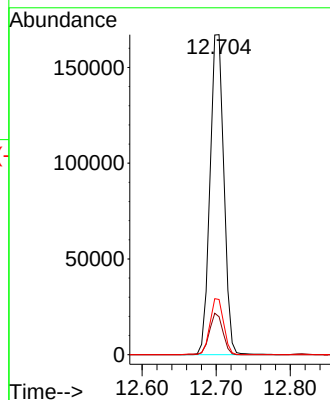
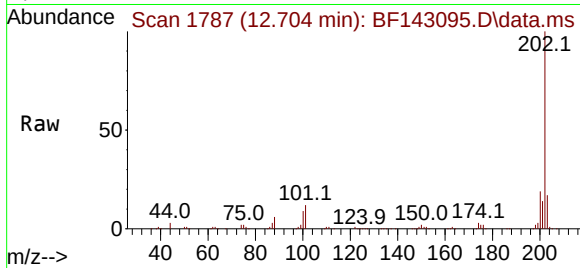




#75
Fluoranthene
Concen: 10.725 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

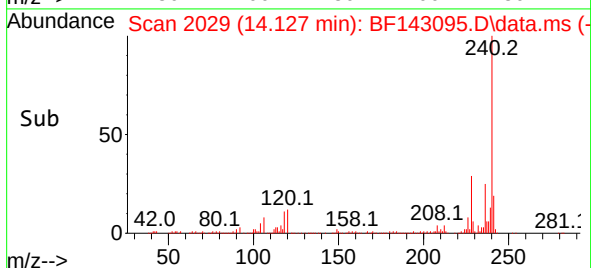
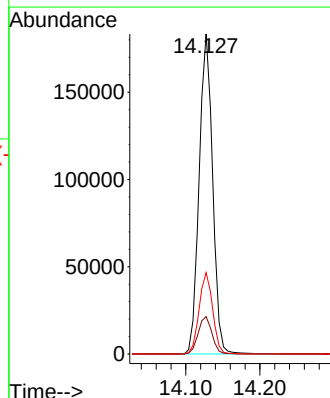
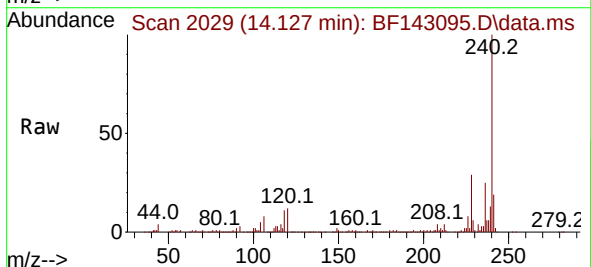
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

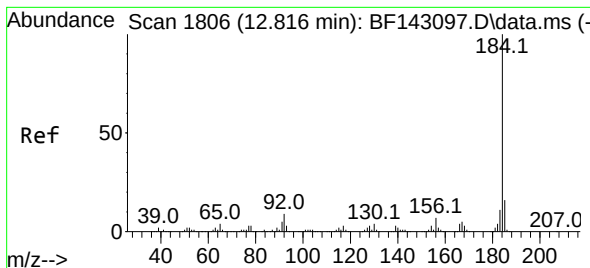
Tgt Ion:202 Resp: 217346
Ion Ratio Lower Upper
202 100
101 11.9 0.0 32.4
203 17.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:240 Resp: 231826
Ion Ratio Lower Upper
240 100
120 11.7 10.0 15.0
236 25.4 20.0 30.0





#77

Benzidine

Concen: 9.747 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

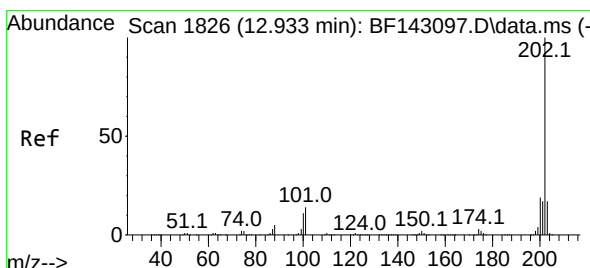
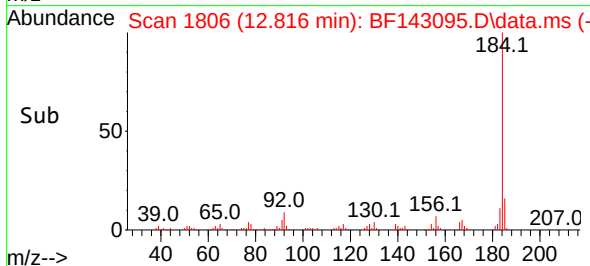
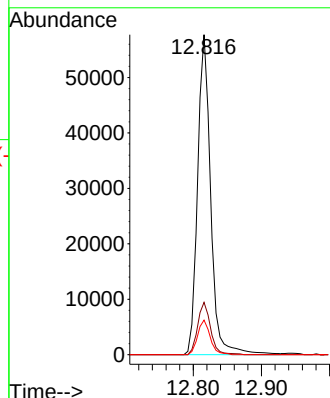
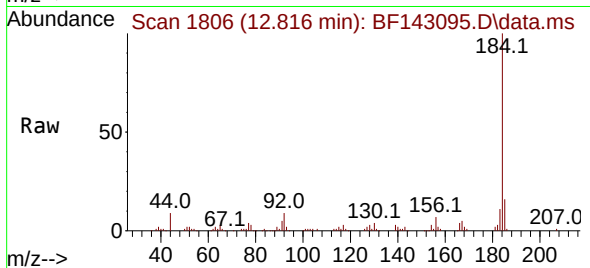
Tgt Ion:184 Resp: 76979

Ion Ratio Lower Upper

184 100

185 16.4 12.4 18.6

183 10.8 8.6 12.8



#78

Pyrene

Concen: 10.542 ng

RT: 12.927 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

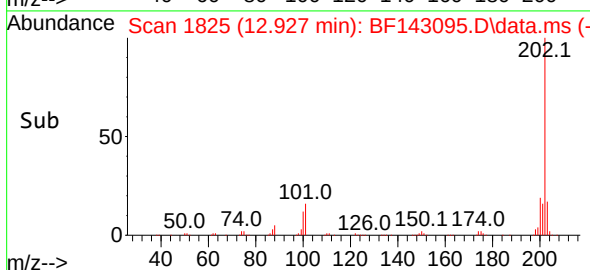
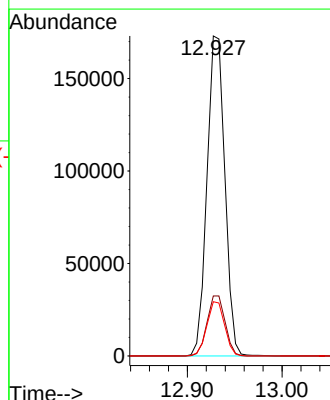
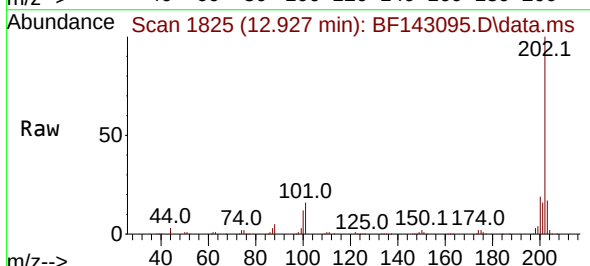
Tgt Ion:202 Resp: 226752

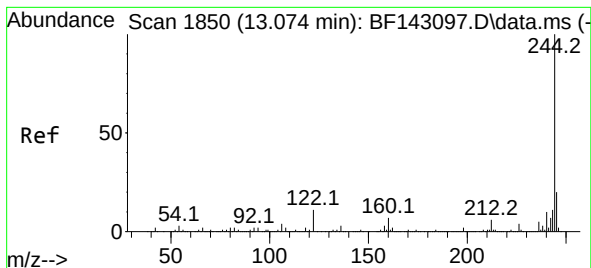
Ion Ratio Lower Upper

202 100

200 18.8 15.5 23.3

203 16.9 14.0 21.0





#79

Terphenyl-d14

Concen: 21.502 ng

RT: 13.069 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

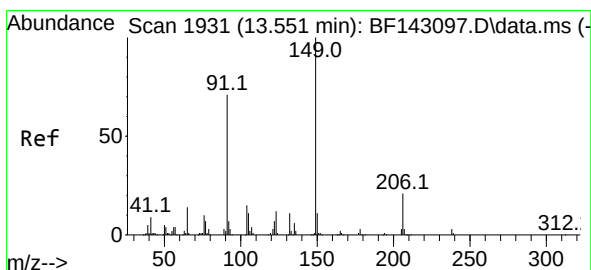
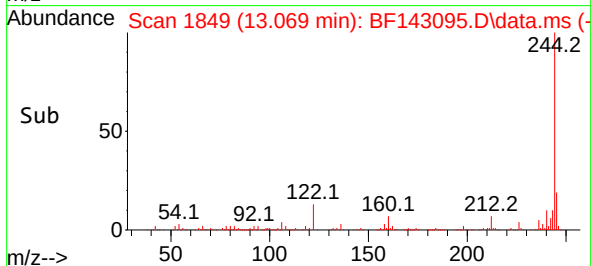
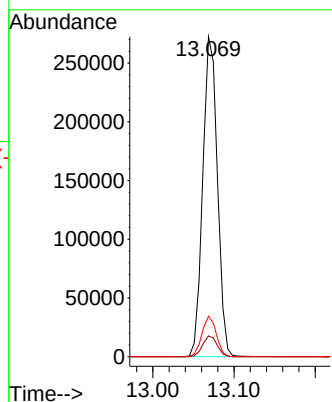
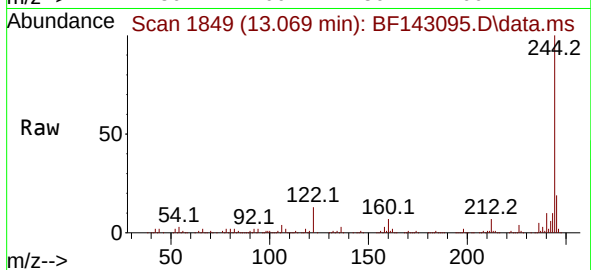
Tgt Ion:244 Resp: 340992

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 12.7 8.8 13.2



#80

Butylbenzylphthalate

Concen: 9.210 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143095.D

Acq: 15 Jul 2025 14:05

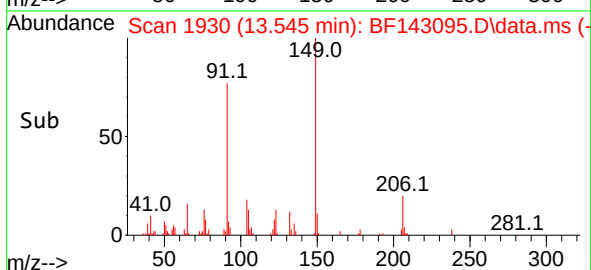
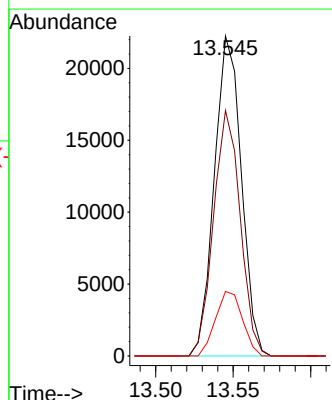
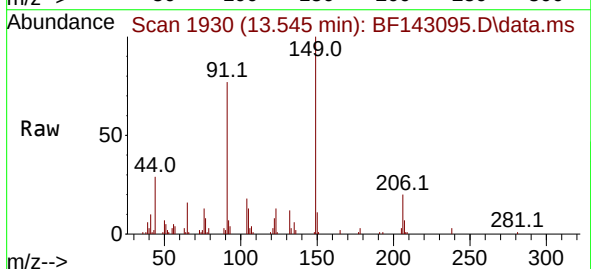
Tgt Ion:149 Resp: 26977

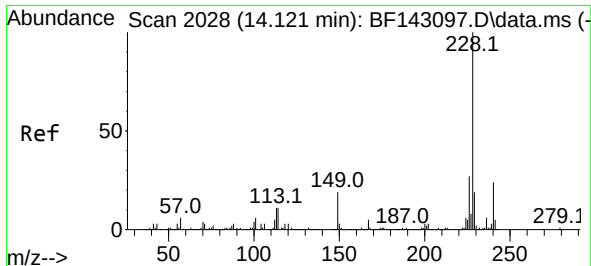
Ion Ratio Lower Upper

149 100

91 76.7 57.0 85.4

206 20.2 17.2 25.8

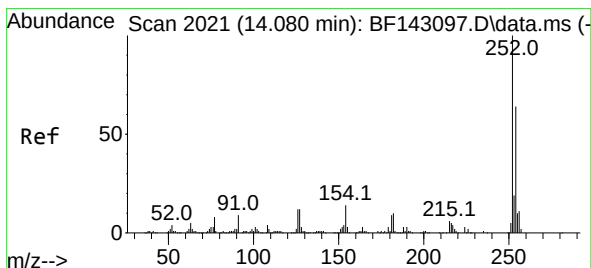
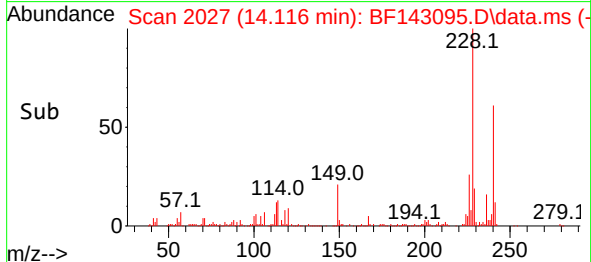
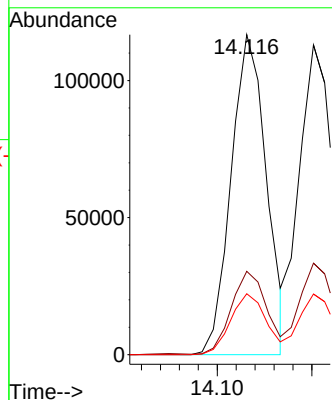
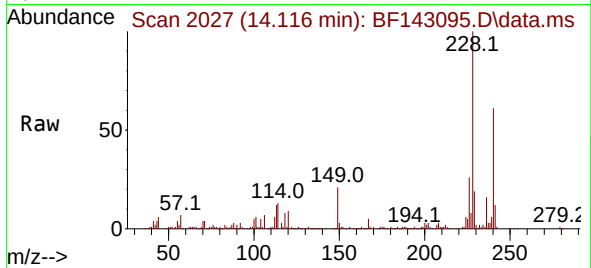




#81
Benzo(a)anthracene
Concen: 9.781 ng
RT: 14.116 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

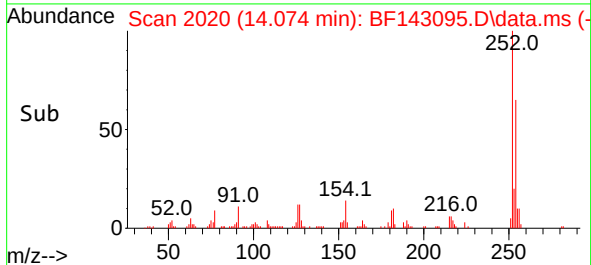
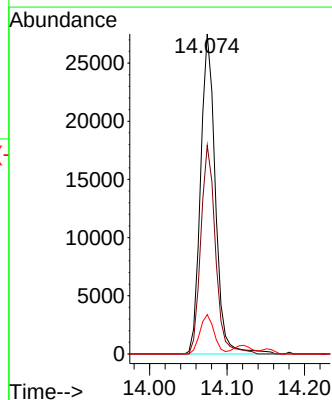
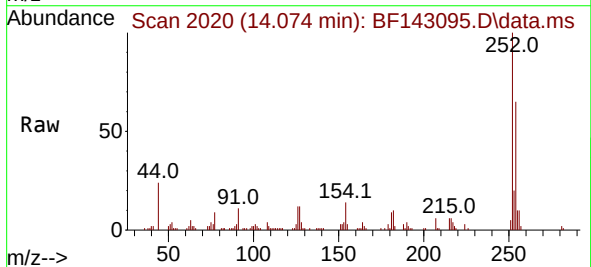
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

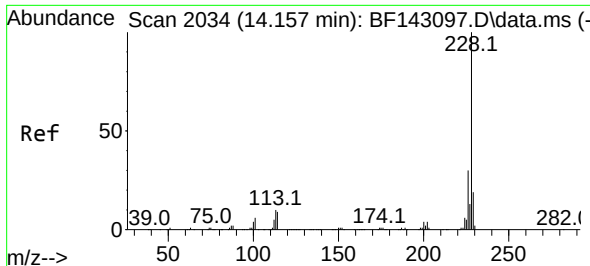
Tgt Ion:228 Resp: 151099
Ion Ratio Lower Upper
228 100
226 26.0 21.3 31.9
229 19.0 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 8.122 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 36435
Ion Ratio Lower Upper
252 100
254 65.2 51.5 77.3
126 12.3 9.4 14.0

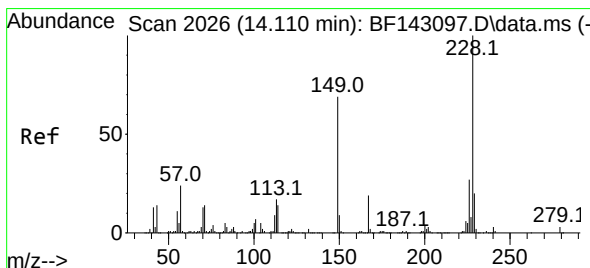
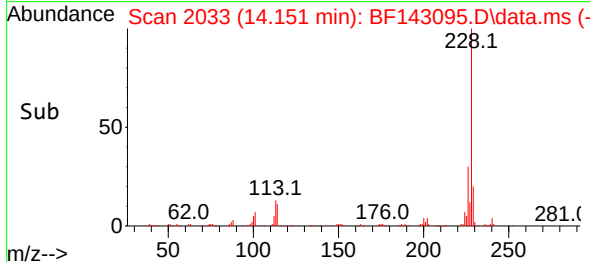
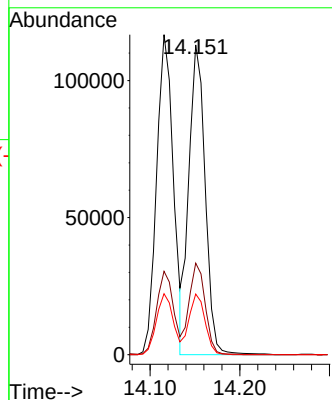
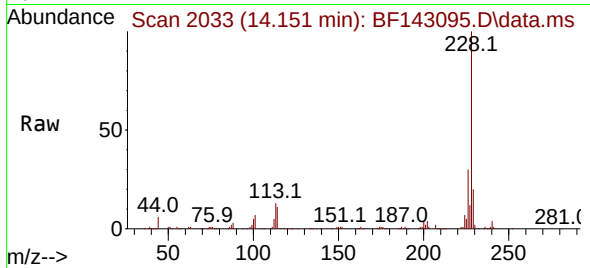




#83
Chrysene
Concen: 10.050 ng
RT: 14.151 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

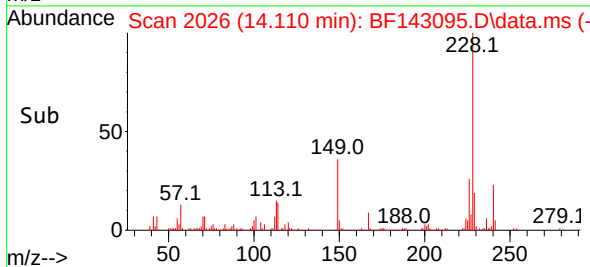
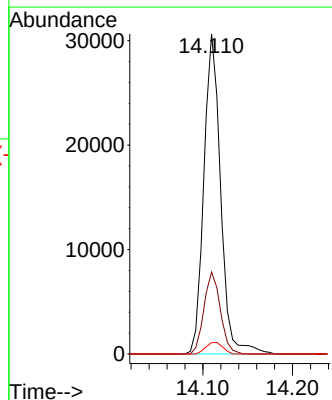
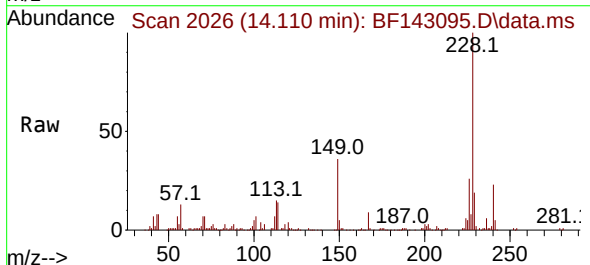
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

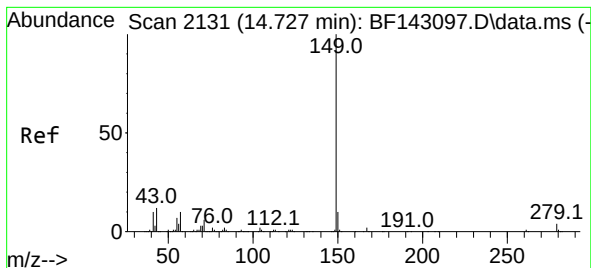
Tgt Ion:228 Resp: 142990
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 19.6 15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.073 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 39724
Ion Ratio Lower Upper
149 100
167 25.6 21.9 32.9
279 3.6 3.4 5.0

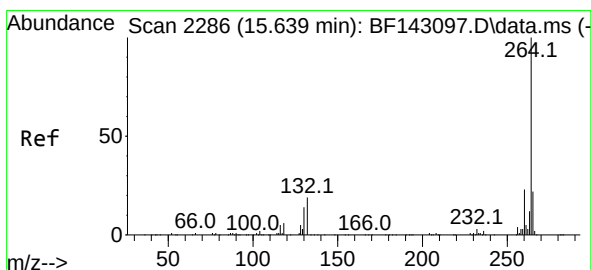
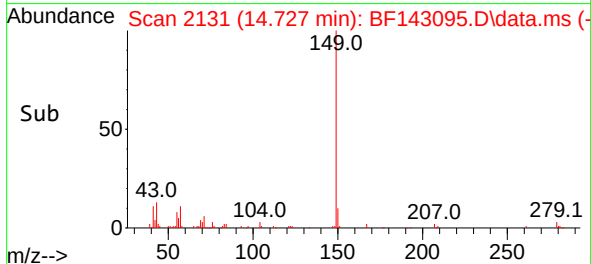
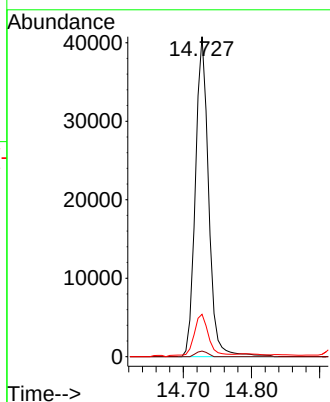
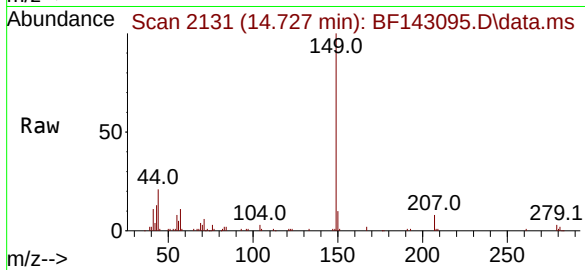




#85
Di-n-octyl phthalate
Concen: 10.526 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

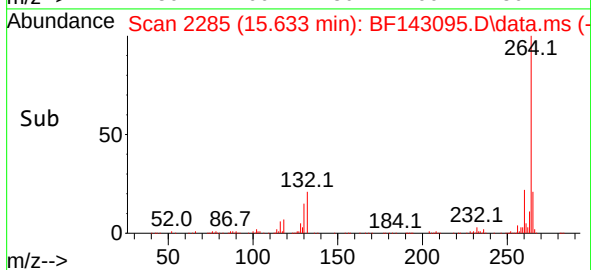
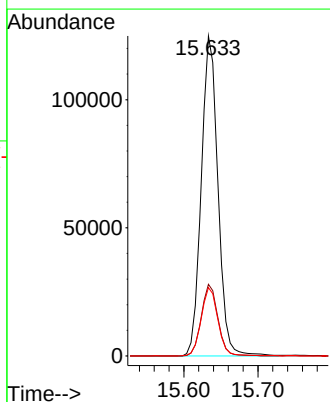
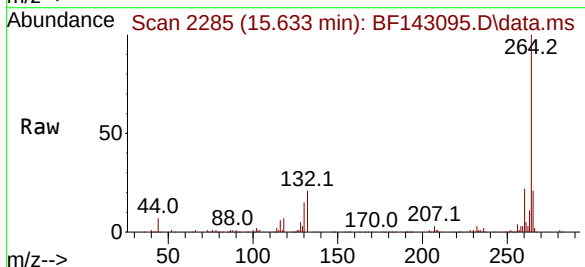
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

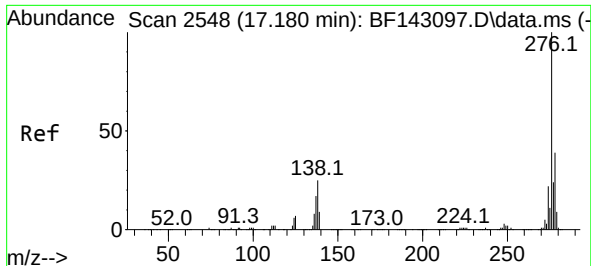
Tgt Ion:149 Resp: 54952
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 15.1 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:264 Resp: 195100
Ion Ratio Lower Upper
264 100
260 22.4 18.5 27.7
265 21.4 17.5 26.3

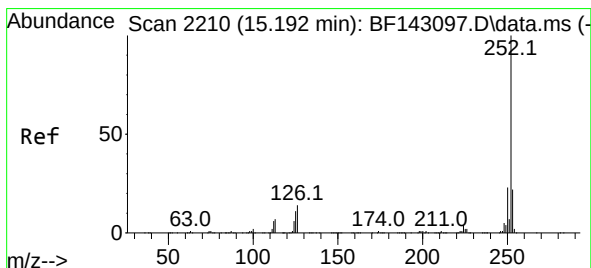
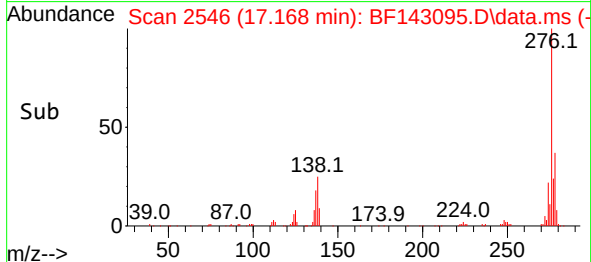
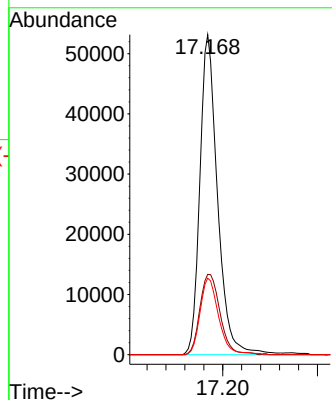
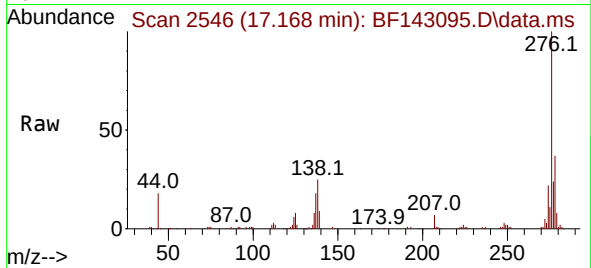




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.484 ng
RT: 17.168 min Scan# 2109
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

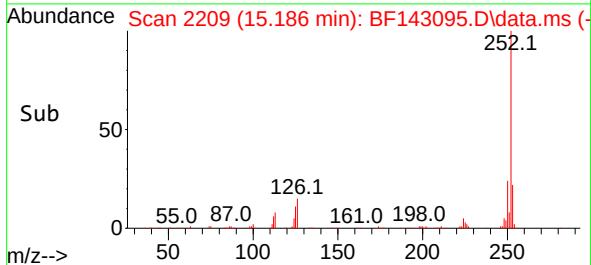
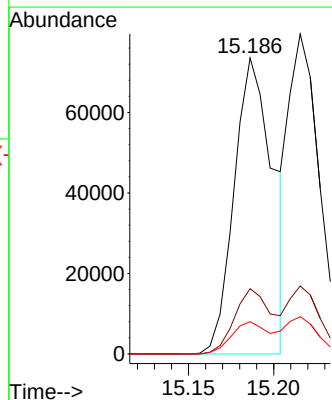
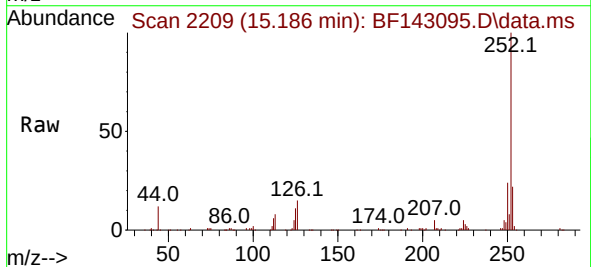
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

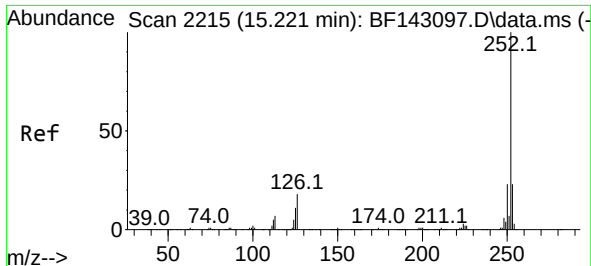
Tgt Ion:276 Resp: 137620
Ion Ratio Lower Upper
276 100
138 28.5 22.6 34.0
277 25.1 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 10.321 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 116154
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 10.9 8.6 13.0

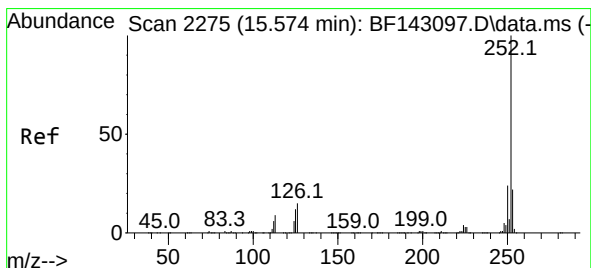
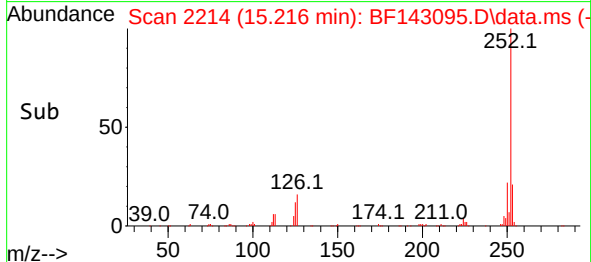
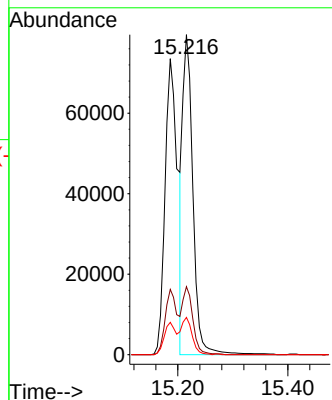
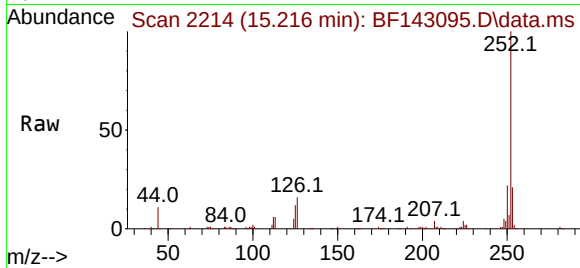




#89
Benzo(k)fluoranthene
Concen: 9.686 ng
RT: 15.216 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

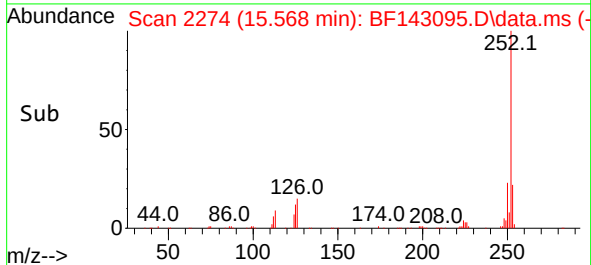
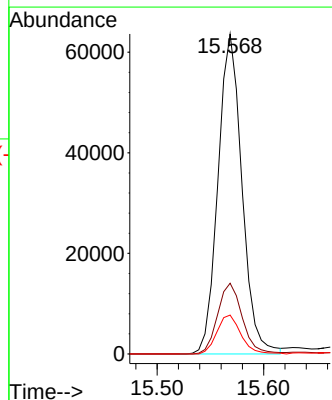
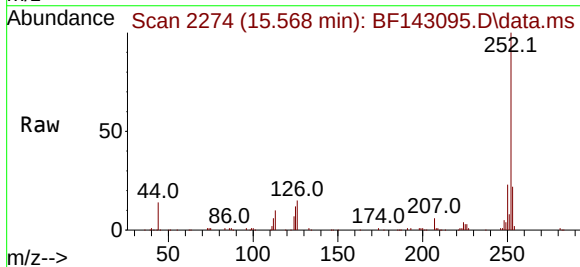
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

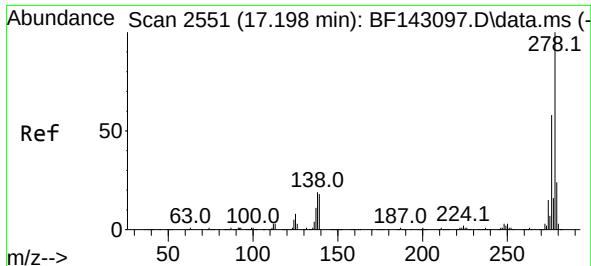
Tgt Ion:252 Resp: 103994
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 11.6 8.5 12.7



#90
Benzo(a)pyrene
Concen: 9.336 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

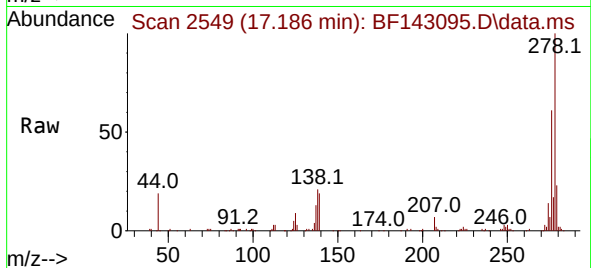
Tgt Ion:252 Resp: 99366
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 12.1 9.4 14.0



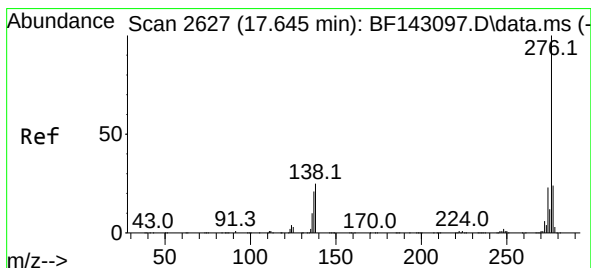
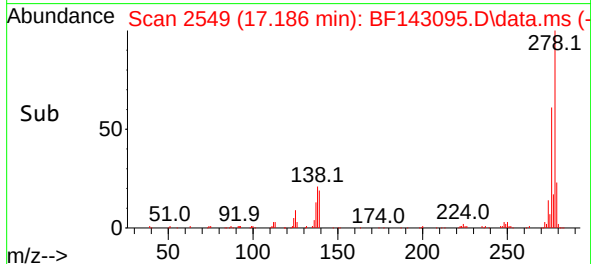
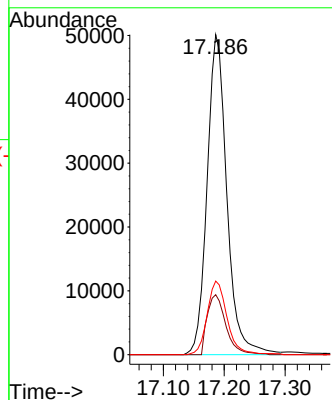


#91
Dibenzo(a,h)anthracene
Concen: 9.553 ng
RT: 17.186 min Scan# 2549
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

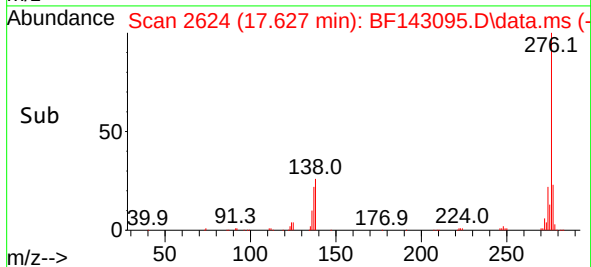
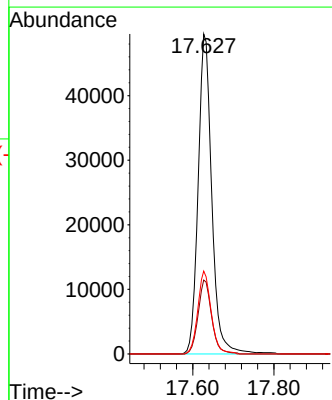
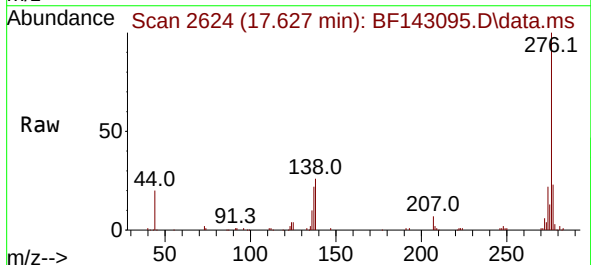


Tgt Ion:278 Resp: 113316
Ion Ratio Lower Upper
278 100
139 18.7 14.6 22.0
279 23.0 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 9.577 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:276 Resp: 115816
Ion Ratio Lower Upper
276 100
277 23.1 19.2 28.8
138 25.9 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143096.D
 Acq On : 15 Jul 2025 14:36
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Jul 15 17:39:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	153233	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	579905	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	283300	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	451524	20.000	ng	0.00
76) Chrysene-d12	14.127	240	236667	20.000	ng	0.00
86) Perylene-d12	15.633	264	262419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	402974	41.549	ng	0.00
7) Phenol-d6	6.581	99	502651	41.231	ng	0.00
23) Nitrobenzene-d5	7.522	82	440785	42.639	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	102277	40.489	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	907497	42.581	ng	0.00
79) Terphenyl-d14	13.074	244	680179	42.012	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	98010	20.301	ng	99
3) Pyridine	3.581	79	247677	20.259	ng	99
4) n-Nitrosodimethylamine	3.516	42	126355	19.948	ng	100
6) Aniline	6.628	93	349337	20.349	ng	100
8) 2-Chlorophenol	6.751	128	202437	20.775	ng	98
9) Benzaldehyde	6.516	77	176058	18.952	ng	99
10) Phenol	6.592	94	294162	22.289	ng	99
11) bis(2-Chloroethyl)ether	6.692	93	209360	20.491	ng	98
12) 1,3-Dichlorobenzene	6.910	146	225218	20.458	ng	99
13) 1,4-Dichlorobenzene	6.987	146	230409	20.804	ng	99
14) 1,2-Dichlorobenzene	7.139	146	219102	20.745	ng	99
15) Benzyl Alcohol	7.098	79	184535	20.428	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.239	45	387425	20.571	ng	100
17) 2-Methylphenol	7.204	107	172219	20.480	ng	99
18) Hexachloroethane	7.486	117	74466	20.654	ng	100
19) n-Nitroso-di-n-propyla...	7.369	70	153555	20.559	ng	98
20) 3+4-Methylphenols	7.357	107	217393	21.080	ng	91
22) Acetophenone	7.369	105	289716	20.725	ng	98
24) Nitrobenzene	7.539	77	206781	20.721	ng	98
25) Isophorone	7.781	82	404382	20.239	ng	100
26) 2-Nitrophenol	7.857	139	61544	18.099	ng	98
27) 2,4-Dimethylphenol	7.886	122	188840	20.363	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	252183	20.814	ng	99
29) 2,4-Dichlorophenol	8.098	162	154978	20.427	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	177770	20.647	ng	99
31) Naphthalene	8.269	128	601316	20.881	ng	100
32) Benzoic acid	7.963	122	57220	17.222	ng	97
33) 4-Chloroaniline	8.310	127	239869	20.714	ng	98
34) Hexachlorobutadiene	8.392	225	106359	20.655	ng	100
35) Caprolactam	8.657	113	45418	19.171	ng	98
36) 4-Chloro-3-methylphenol	8.781	107	171615	20.307	ng	99
37) 2-Methylnaphthalene	8.963	142	356378	20.744	ng	100
38) 1-Methylnaphthalene	9.063	142	365700	20.524	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	170678	20.673	ng	98
41) Hexachlorocyclopentadiene	9.122	237	86596	18.918	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	106780	20.815	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143096.D
 Acq On : 15 Jul 2025 14:36
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Jul 15 17:39:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

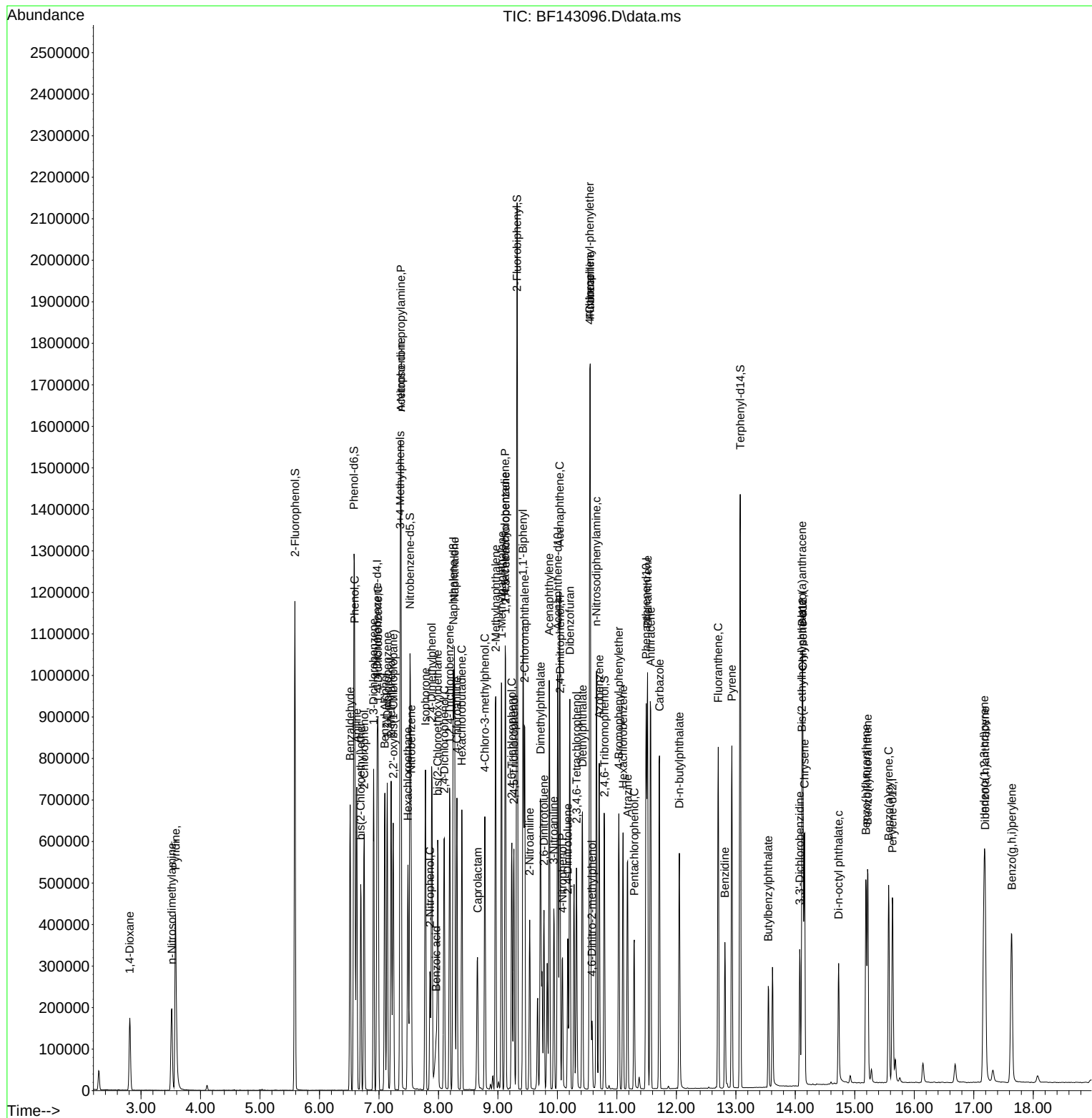
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	110466	20.537	ng	99
46) 1,1'-Biphenyl	9.422	154	473419	20.955	ng	100
47) 2-Chloronaphthalene	9.451	162	341636	20.584	ng	100
48) 2-Nitroaniline	9.533	65	83805	18.969	ng	99
49) Acenaphthylene	9.863	152	576265	20.837	ng	100
50) Dimethylphthalate	9.716	163	366019	20.536	ng	100
51) 2,6-Dinitrotoluene	9.775	165	62776	19.583	ng	96
52) Acenaphthene	10.039	154	332427	20.369	ng	100
53) 3-Nitroaniline	9.939	138	80094	20.797	ng	100
54) 2,4-Dinitrophenol	10.045	184	15826	19.749	ng	71
55) Dibenzofuran	10.210	168	505784	20.792	ng	100
56) 4-Nitrophenol	10.086	139	57072	18.647	ng	98
57) 2,4-Dinitrotoluene	10.175	165	71762	18.561	ng	95
58) Fluorene	10.551	166	376169	20.626	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	85620	20.030	ng	98
60) Diethylphthalate	10.422	149	356111	20.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	178641	20.436	ng	98
62) 4-Nitroaniline	10.551	138	67264	20.084	ng	98
63) Azobenzene	10.704	77	389419	20.478	ng	100
65) 4,6-Dinitro-2-methylph...	10.580	198	23973	19.643	ng	94
66) n-Nitrosodiphenylamine	10.657	169	332248	20.948	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	105446	20.535	ng	98
68) Hexachlorobenzene	11.104	284	111727	20.507	ng	98
69) Atrazine	11.180	200	83181	20.499	ng	99
70) Pentachlorophenol	11.292	266	56380	18.862	ng	98
71) Phenanthrene	11.516	178	501521	20.581	ng	99
72) Anthracene	11.569	178	508525	20.752	ng	100
73) Carbazole	11.716	167	455047	20.728	ng	99
74) Di-n-butylphthalate	12.051	149	412206	20.456	ng	99
75) Fluoranthene	12.704	202	455455	20.556	ng	100
77) Benzidine	12.816	184	186115	23.083	ng	99
78) Pyrene	12.933	202	462715	21.072	ng	99
80) Butylbenzylphthalate	13.545	149	73439	18.875	ng	96
81) Benzo(a)anthracene	14.115	228	332795	21.102	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	96174	21.000	ng	99
83) Chrysene	14.157	228	286610	19.732	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	113349	19.236	ng	98
85) Di-n-octyl phthalate	14.727	149	192002	19.817	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	400422	20.516	ng	99
88) Benzo(b)fluoranthene	15.186	252	307312	20.302	ng	99
89) Benzo(k)fluoranthene	15.215	252	291618	20.194	ng	99
90) Benzo(a)pyrene	15.568	252	290809	20.313	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	332152	20.818	ng	99
92) Benzo(g,h,i)perylene	17.639	276	331447	20.376	ng	99

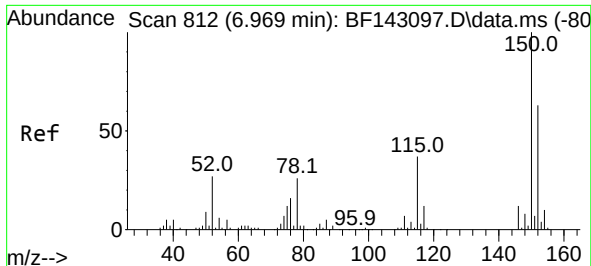
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

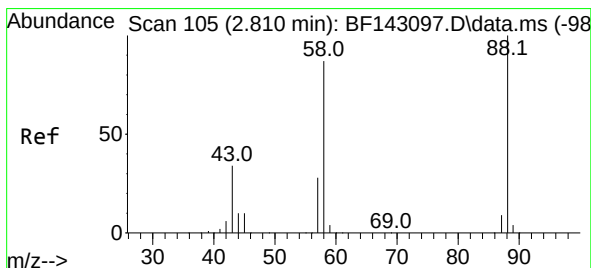
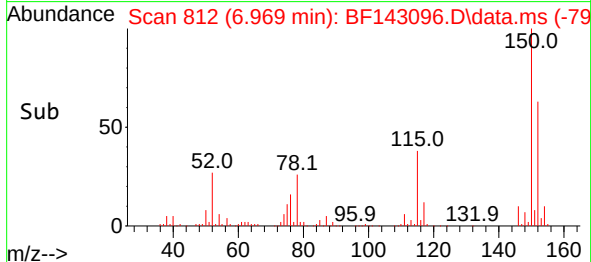
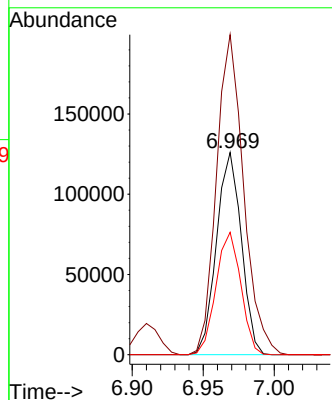
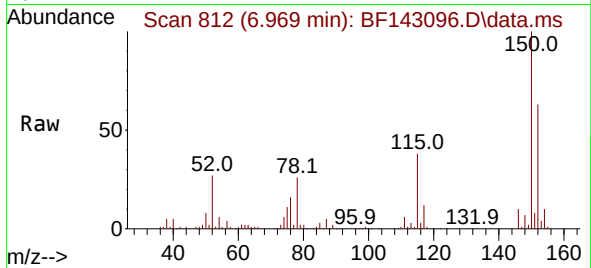




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

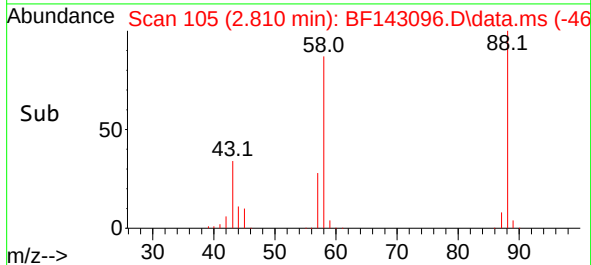
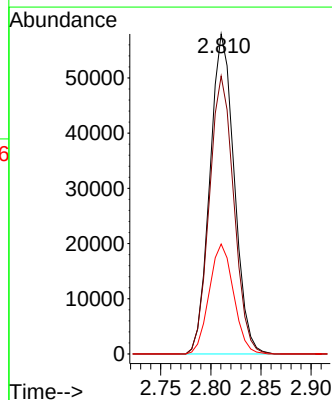
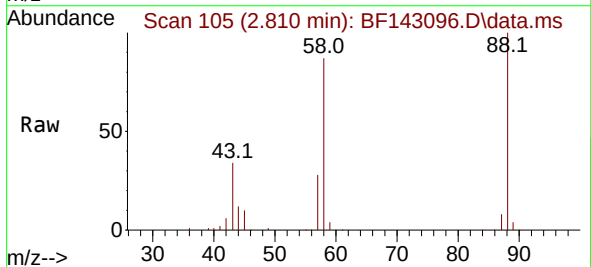
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

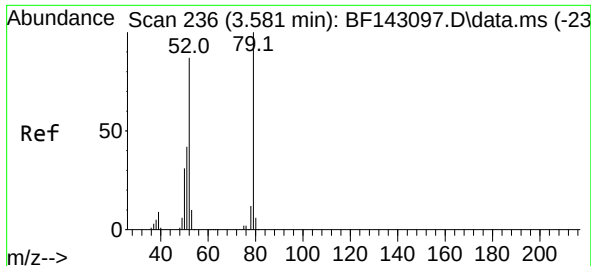
Tgt Ion:152 Resp: 153233
Ion Ratio Lower Upper
152 100
150 158.3 126.5 189.7
115 60.6 47.0 70.6



#2
1,4-Dioxane
Concen: 20.301 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 88 Resp: 98010
Ion Ratio Lower Upper
88 100
58 87.1 70.5 105.7
43 34.3 27.3 40.9

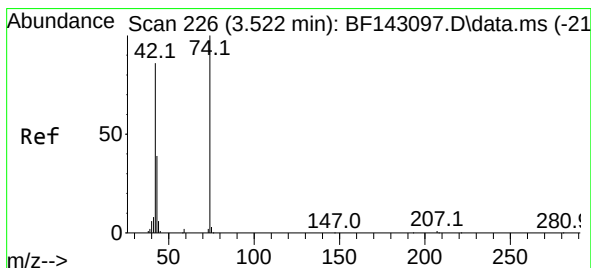
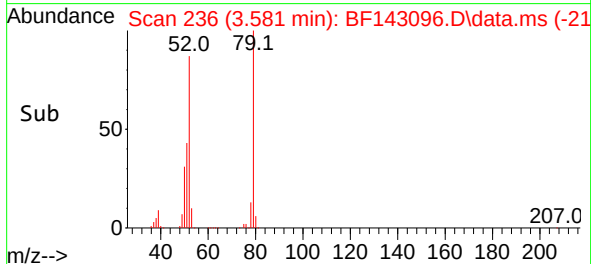
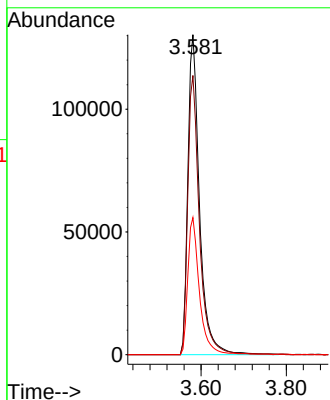
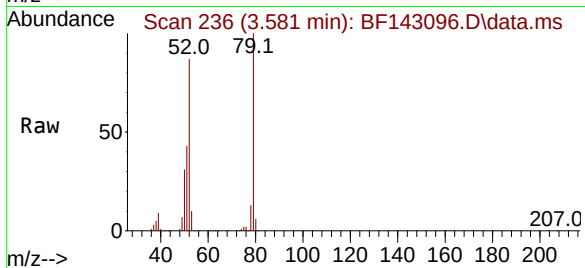




#3
Pyridine
Concen: 20.259 ng
RT: 3.581 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

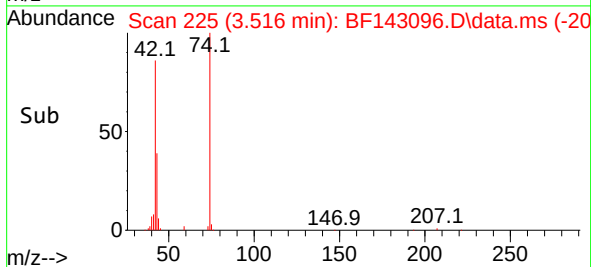
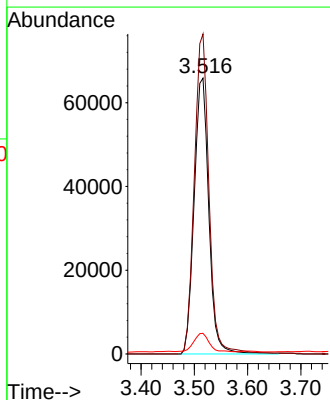
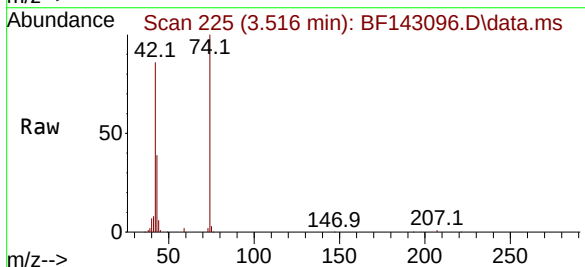
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

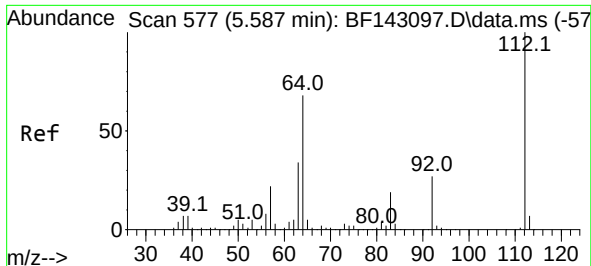
Tgt Ion: 79 Resp: 247677
Ion Ratio Lower Upper
79 100
52 87.3 69.2 103.8
51 42.8 33.3 49.9



#4
n-Nitrosodimethylamine
Concen: 19.948 ng
RT: 3.516 min Scan# 225
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 42 Resp: 126355
Ion Ratio Lower Upper
42 100
74 116.0 92.8 139.2
44 7.5 5.8 8.6

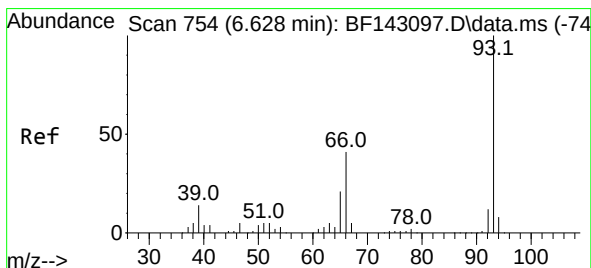
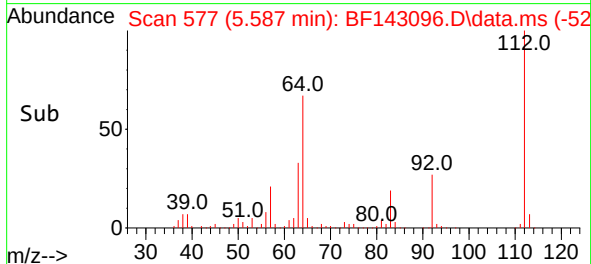
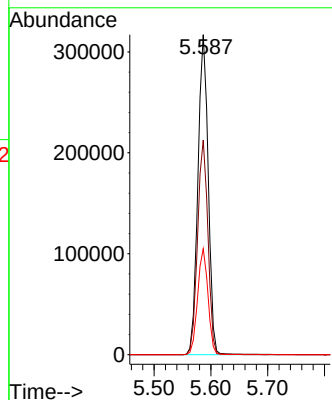
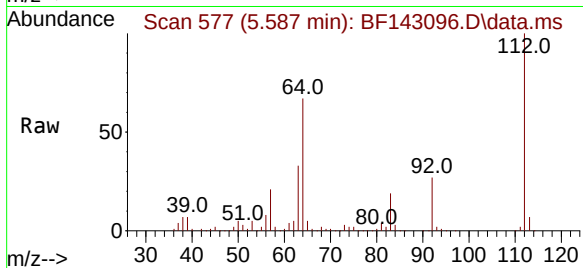




#5
2-Fluorophenol
Concen: 41.549 ng
RT: 5.587 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

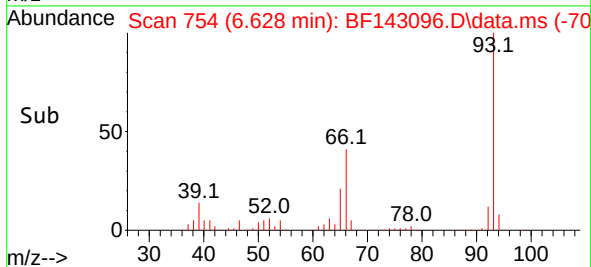
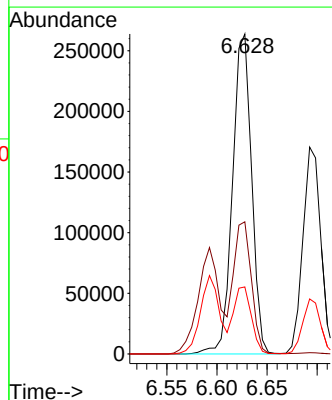
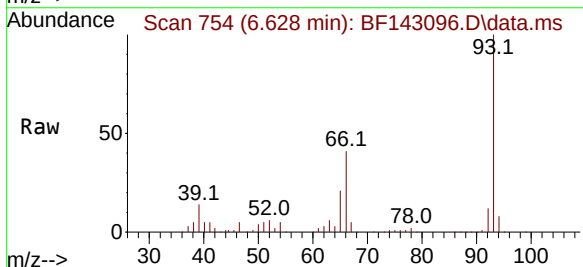
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

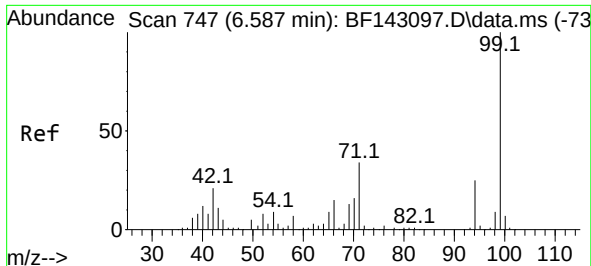
Tgt Ion:112 Resp: 402974
Ion Ratio Lower Upper
112 100
64 67.1 54.6 82.0
63 33.1 27.3 40.9



#6
Aniline
Concen: 20.349 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 93 Resp: 349337
Ion Ratio Lower Upper
93 100
66 41.3 33.1 49.7
65 20.9 16.9 25.3

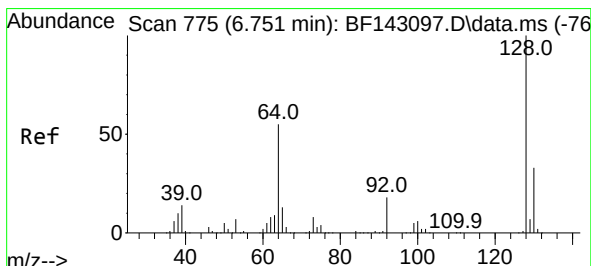
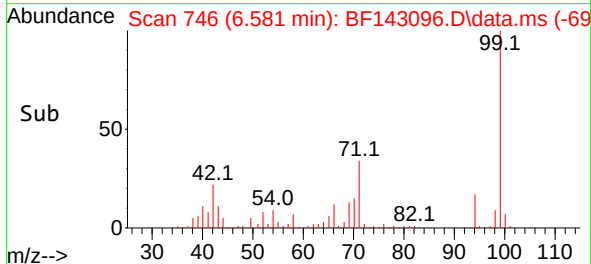
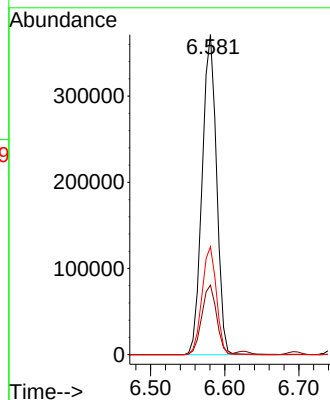
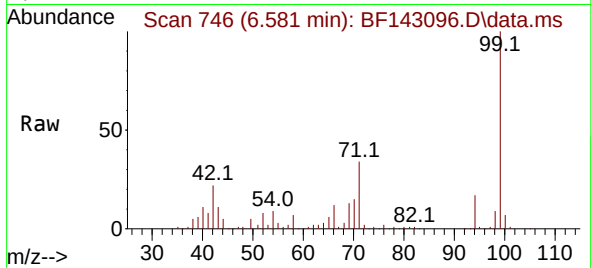




#7
Phenol-d6
Concen: 41.231 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

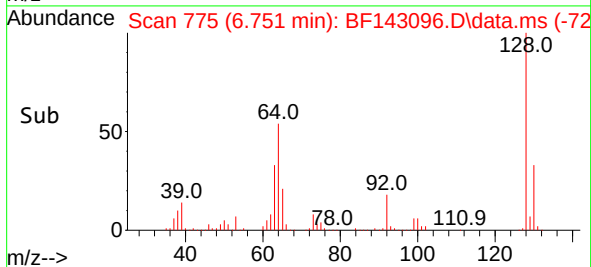
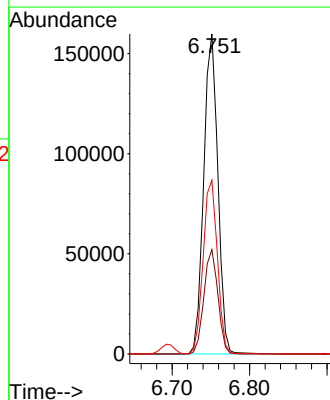
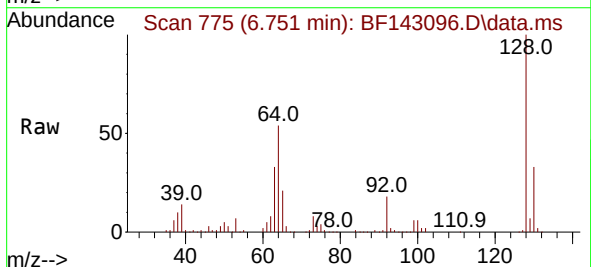
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

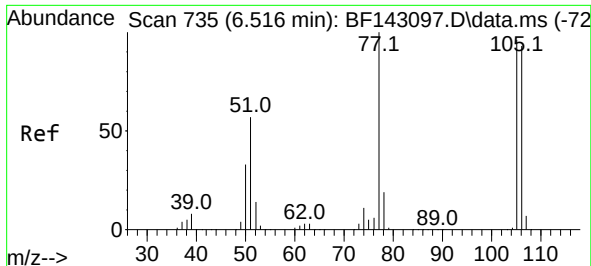
Tgt Ion: 99 Resp: 502651
Ion Ratio Lower Upper
99 100
42 21.8 17.2 25.8
71 33.8 27.4 41.0



#8
2-Chlorophenol
Concen: 20.775 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:128 Resp: 202437
Ion Ratio Lower Upper
128 100
130 32.6 12.8 52.8
64 54.3 36.1 76.1

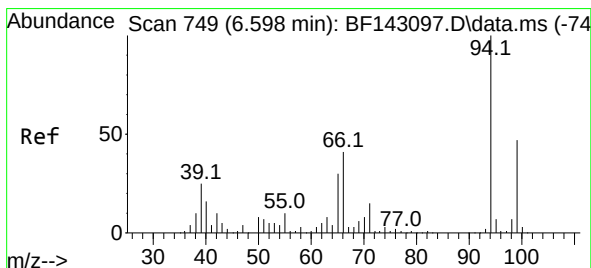
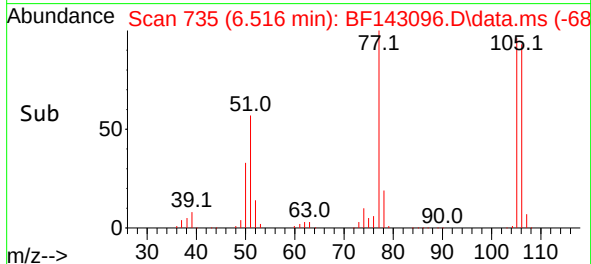
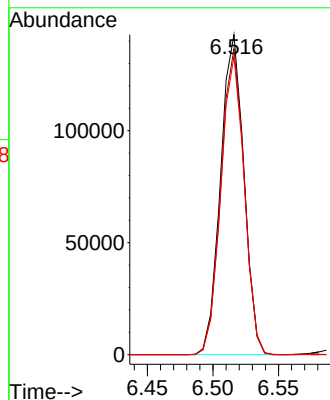
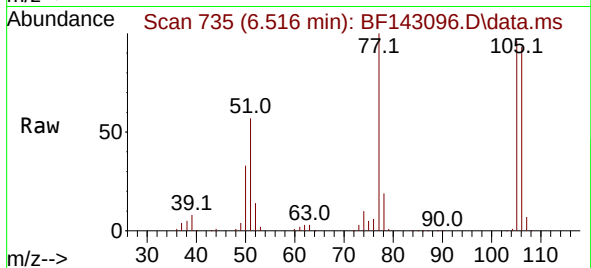




#9
Benzaldehyde
Concen: 18.952 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

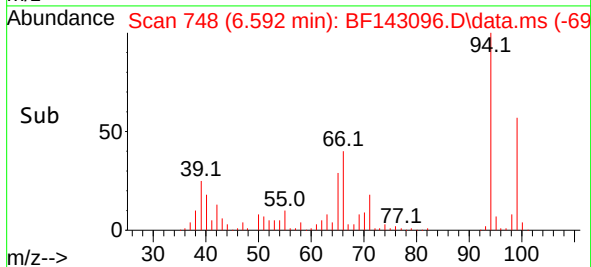
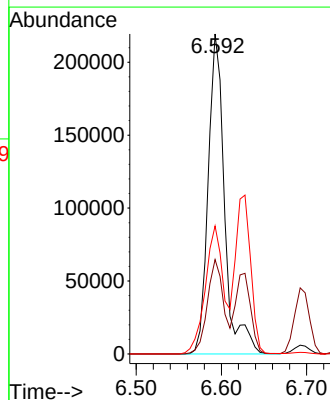
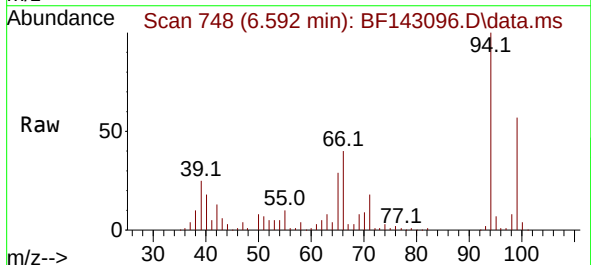
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

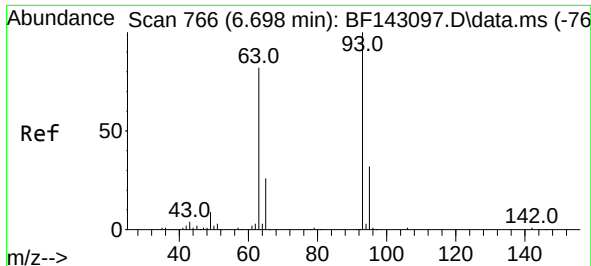
Tgt Ion: 77 Resp: 176058
Ion Ratio Lower Upper
77 100
105 95.6 76.3 116.3
106 93.1 72.8 112.8



#10
Phenol
Concen: 22.289 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 94 Resp: 294162
Ion Ratio Lower Upper
94 100
65 29.5 9.8 49.8
66 40.0 20.5 60.5

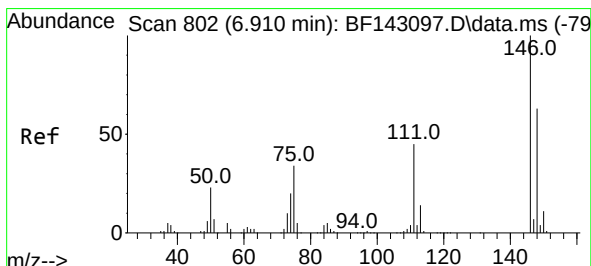
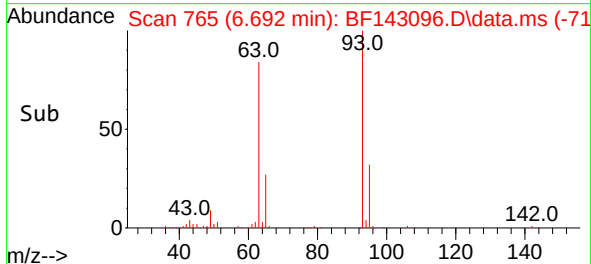
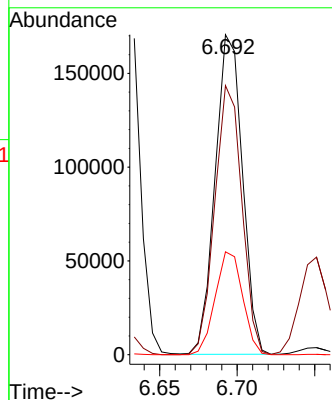
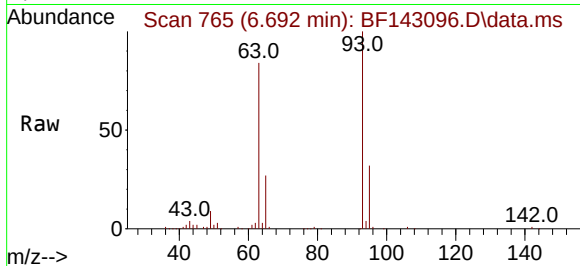




#11
bis(2-Chloroethyl)ether
Concen: 20.491 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

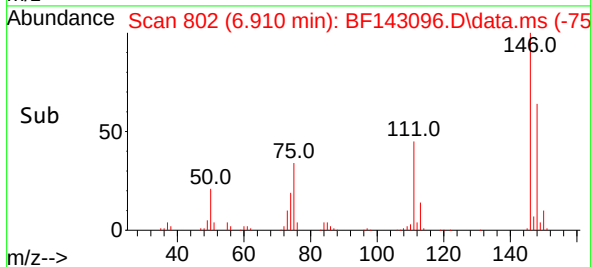
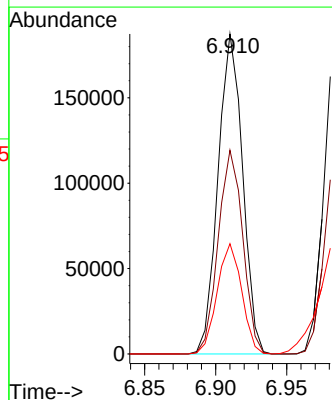
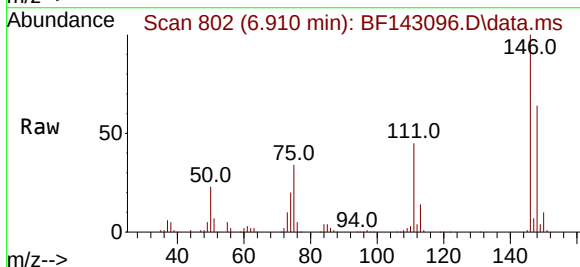
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

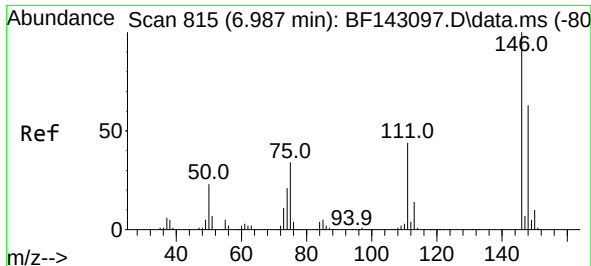
Tgt Ion: 93 Resp: 209360
Ion Ratio Lower Upper
93 100
63 84.1 61.9 101.9
95 32.2 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 20.458 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 146 Resp: 225218
Ion Ratio Lower Upper
146 100
148 63.7 50.1 75.1
75 34.5 27.4 41.0

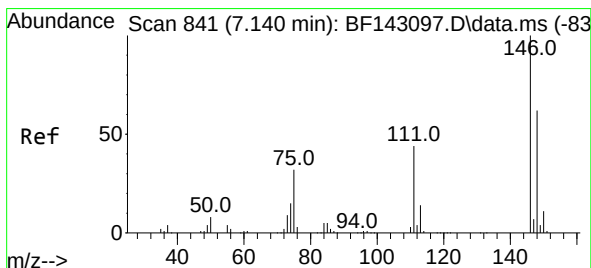
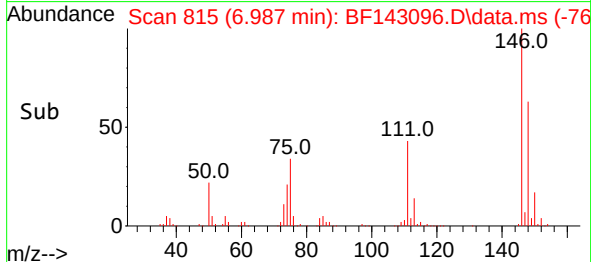
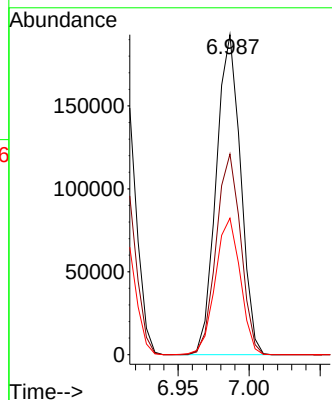
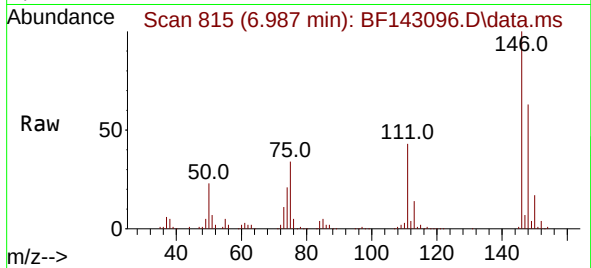




#13
1,4-Dichlorobenzene
Concen: 20.804 ng
RT: 6.987 min Scan# 815
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

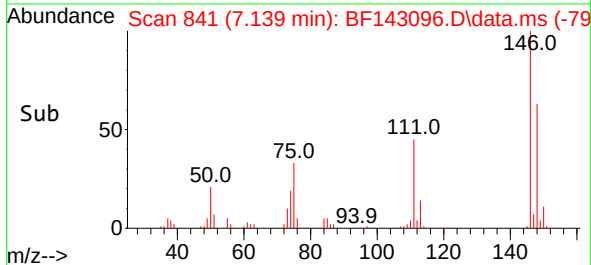
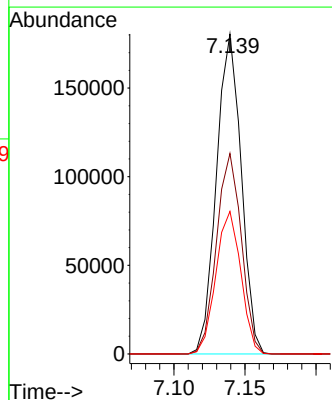
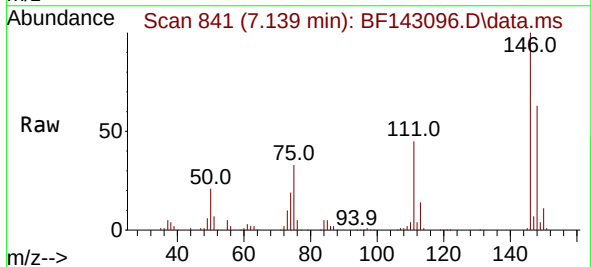
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

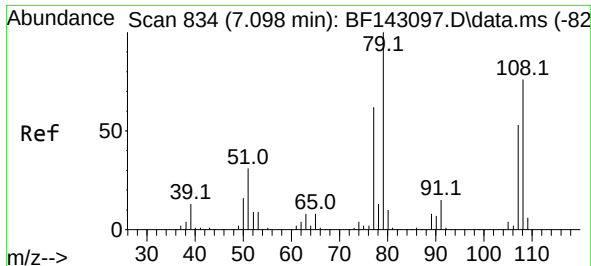
Tgt Ion:146 Resp: 230409
Ion Ratio Lower Upper
146 100
148 62.7 50.6 76.0
111 42.7 35.0 52.6



#14
1,2-Dichlorobenzene
Concen: 20.745 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:146 Resp: 219102
Ion Ratio Lower Upper
146 100
148 62.6 49.8 74.6
111 44.5 35.4 53.0



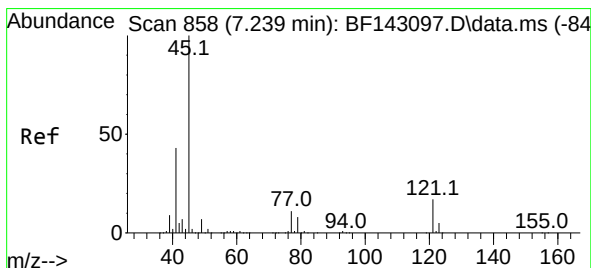
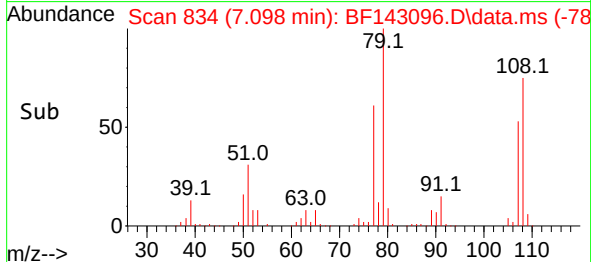
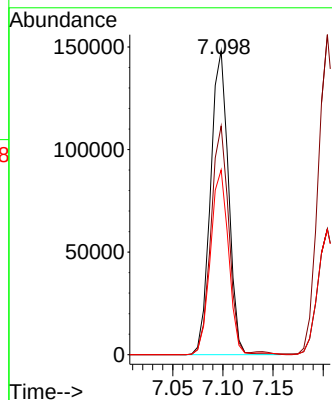
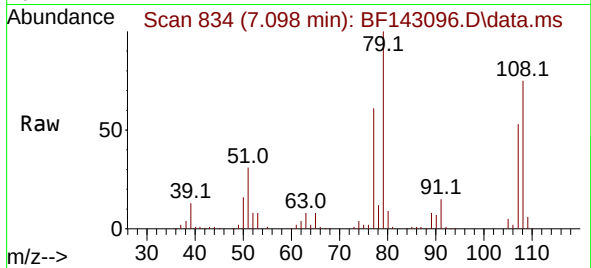


#15
Benzyl Alcohol
Concen: 20.428 ng
RT: 7.098 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 184535

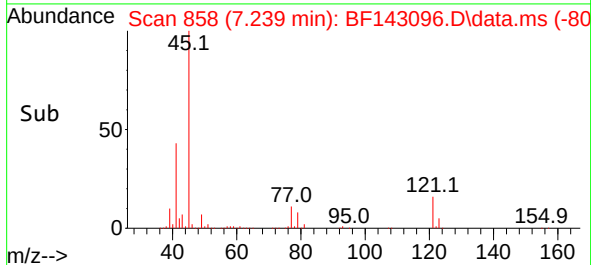
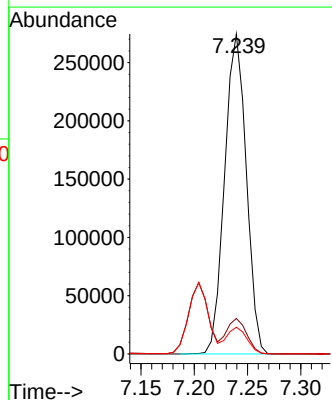
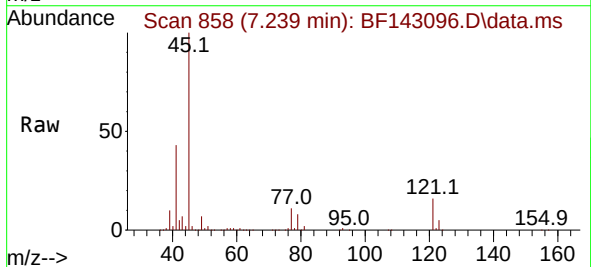
Ion	Ratio	Lower	Upper
79	100		
108	75.2	61.1	91.7
77	60.8	49.9	74.9

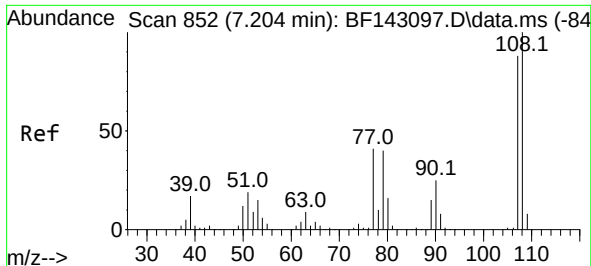


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.571 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 45 Resp: 387425

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.1
79	8.4	0.0	28.4

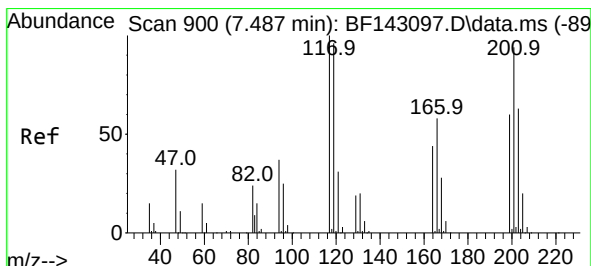
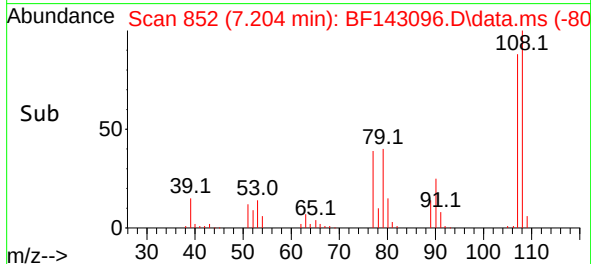
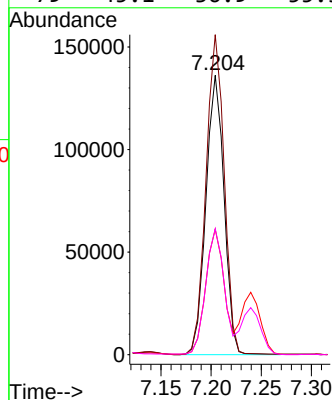
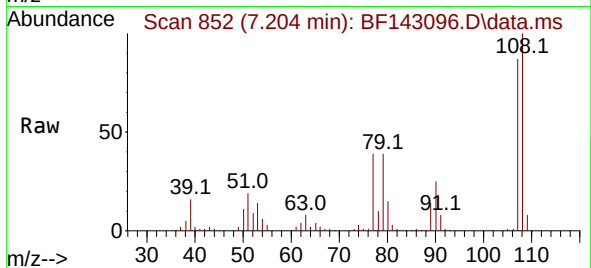




#17
2-Methylphenol
Concen: 20.480 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

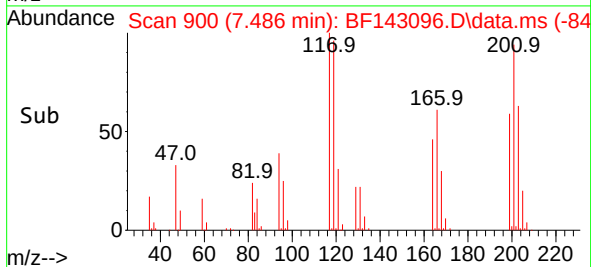
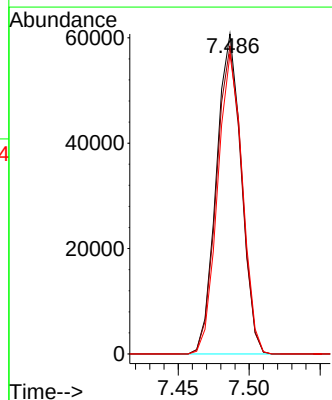
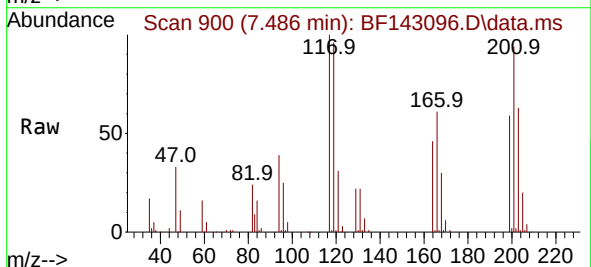
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

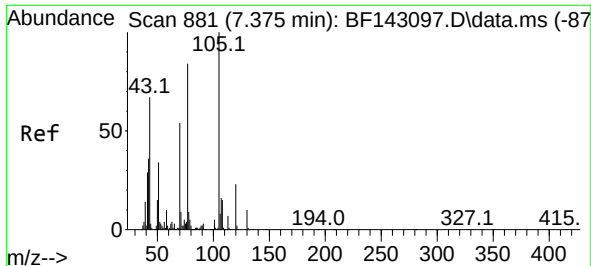
Tgt Ion:	107	Resp:	172219
Ion	Ratio	Lower	Upper
107	100		
108	114.5	90.9	136.3
77	44.9	37.5	56.3
79	45.1	36.9	55.3



#18
Hexachloroethane
Concen: 20.654 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:	117	Resp:	74466
Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.7	115.1
201	93.7	75.0	112.4



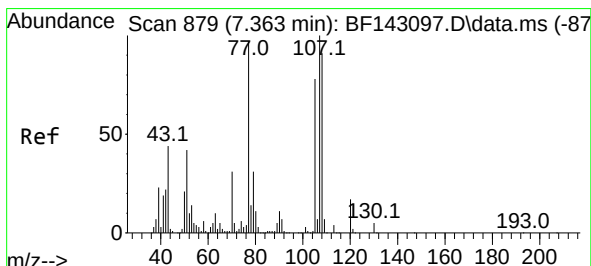
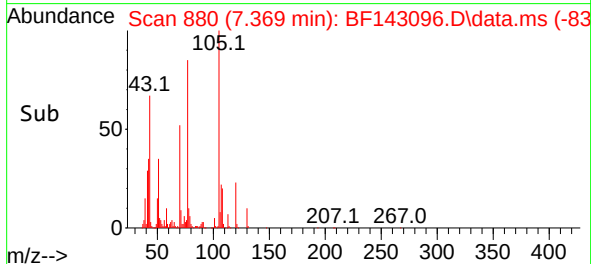
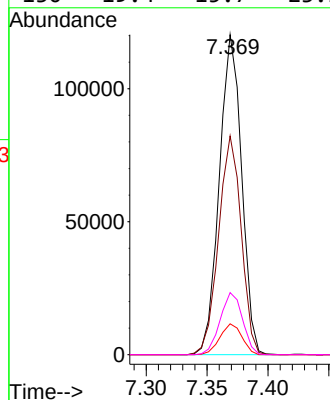
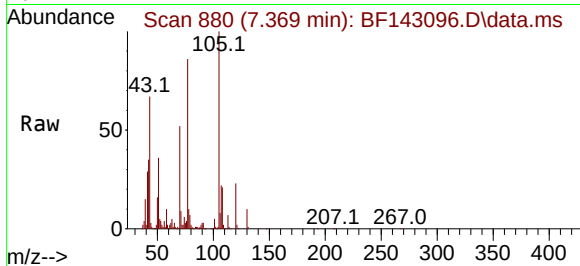


#19
n-Nitroso-di-n-propylamine
Concen: 20.559 ng
RT: 7.369 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 153555

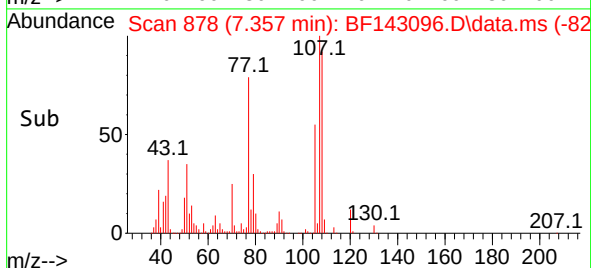
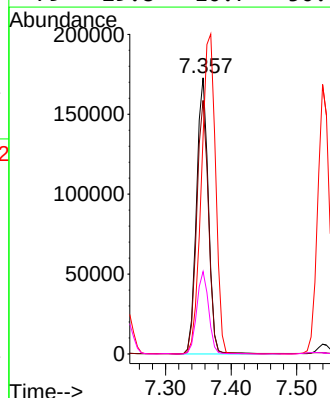
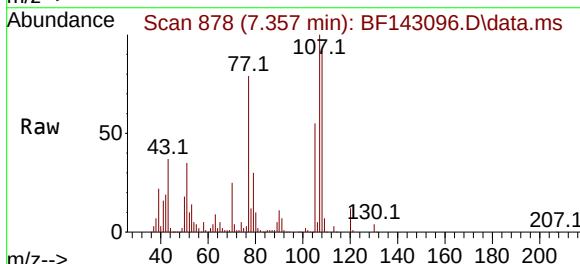
Ion	Ratio	Lower	Upper
70	100		
42	68.3	53.2	79.8
101	9.7	7.5	11.3
130	19.4	15.7	23.5

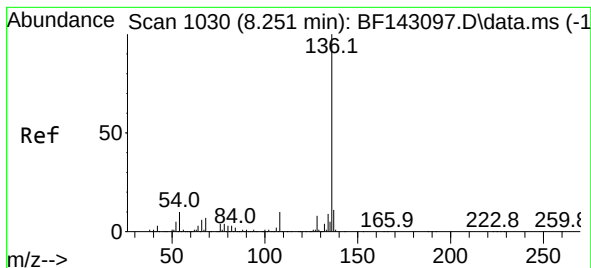


#20
3+4-Methylphenols
Concen: 21.080 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 107 Resp: 217393

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.3	111.3
77	78.6	77.2	117.2
79	29.8	10.7	50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.251 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 579905

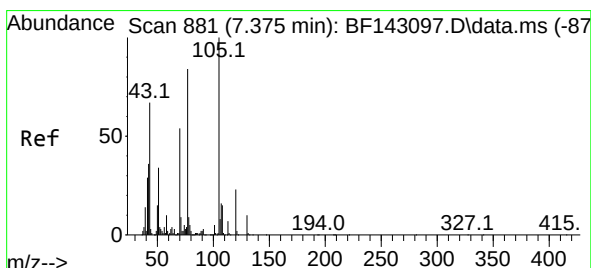
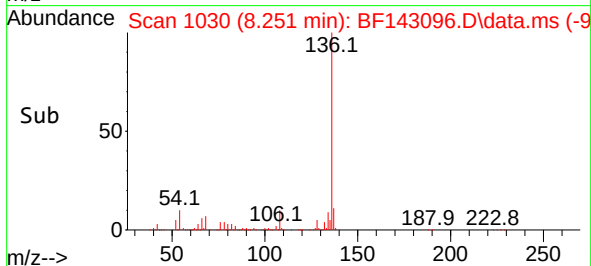
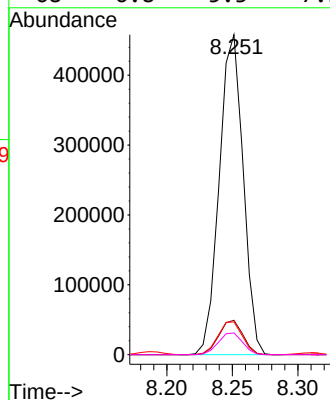
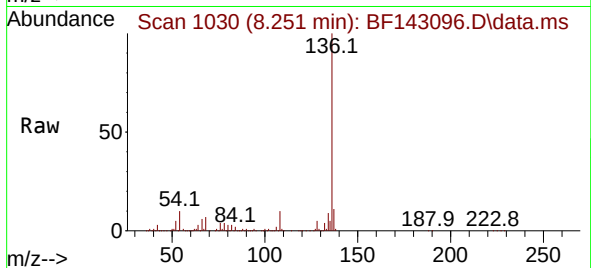
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 10.2 8.3 12.5

68 6.8 5.3 7.9



#22

Acetophenone

Concen: 20.725 ng

RT: 7.369 min Scan# 880

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Tgt Ion:105 Resp: 289716

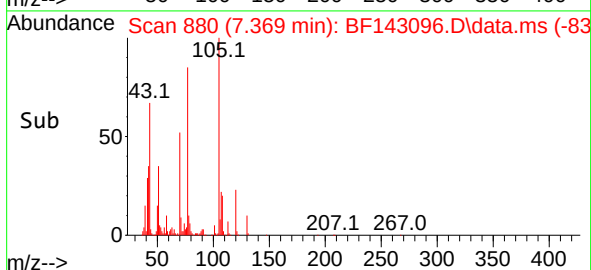
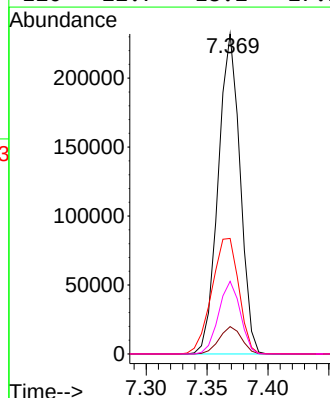
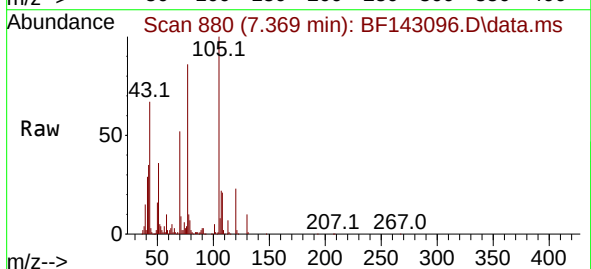
Ion Ratio Lower Upper

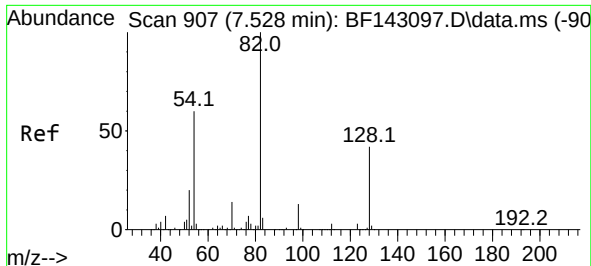
105 100

71 8.5 7.2 10.8

51 36.1 27.0 40.4

120 22.7 18.2 27.2

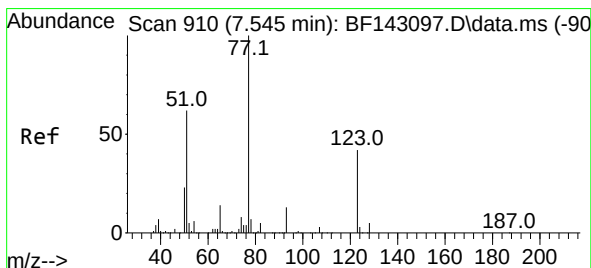
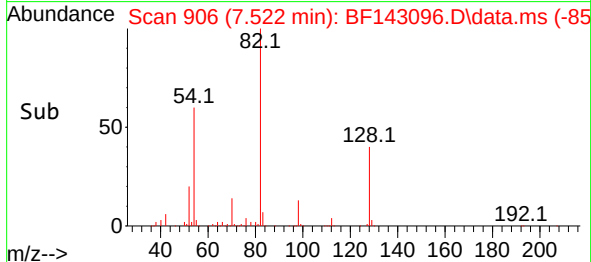
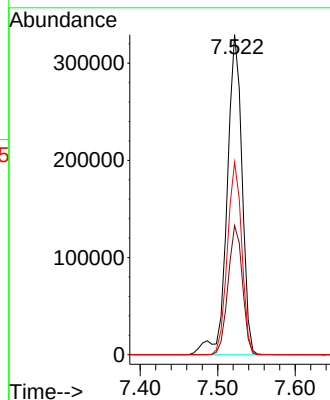
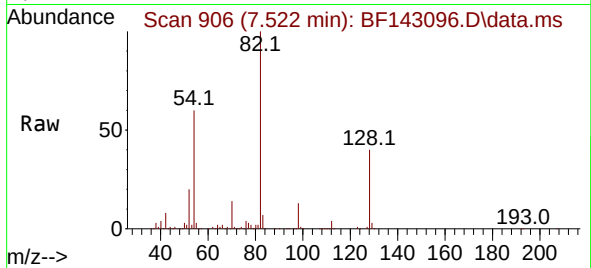




#23
Nitrobenzene-d5
Concen: 42.639 ng
RT: 7.522 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

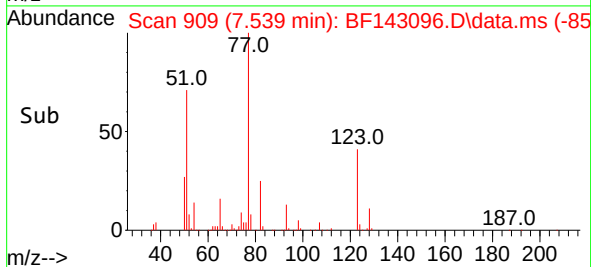
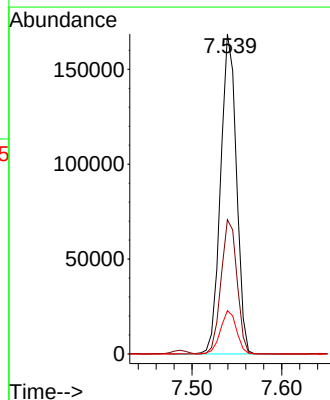
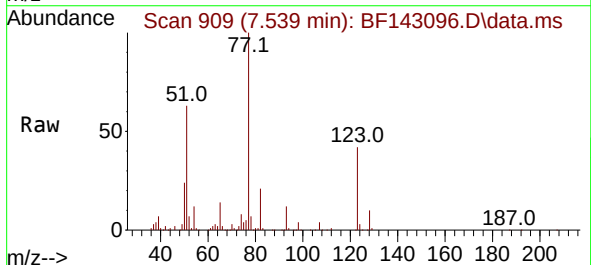
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

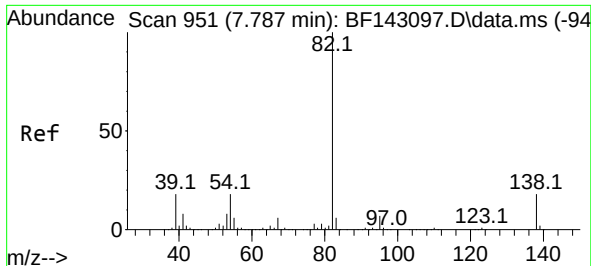
Tgt Ion: 82 Resp: 440785
Ion Ratio Lower Upper
82 100
128 40.4 33.3 49.9
54 60.2 47.4 71.2



#24
Nitrobenzene
Concen: 20.721 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 77 Resp: 206781
Ion Ratio Lower Upper
77 100
123 42.0 34.5 51.7
65 13.5 11.3 16.9

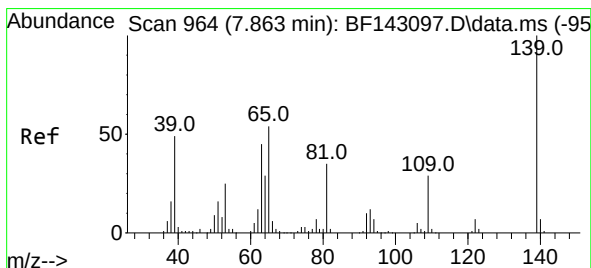
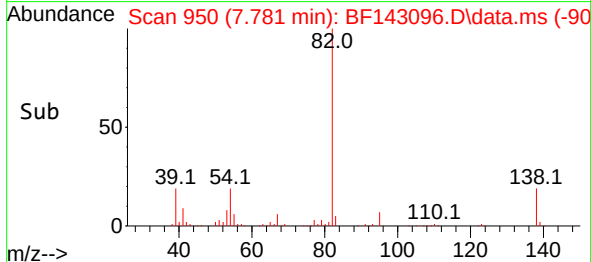
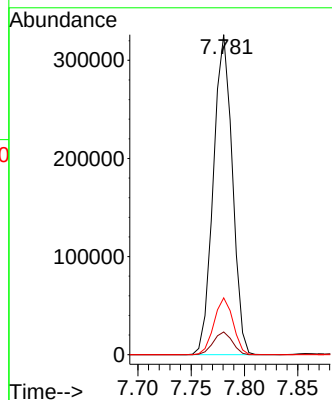
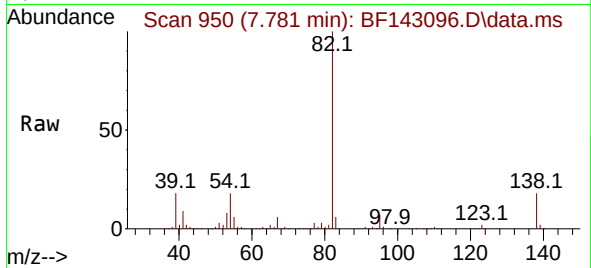




#25
Isophorone
Concen: 20.239 ng
RT: 7.781 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

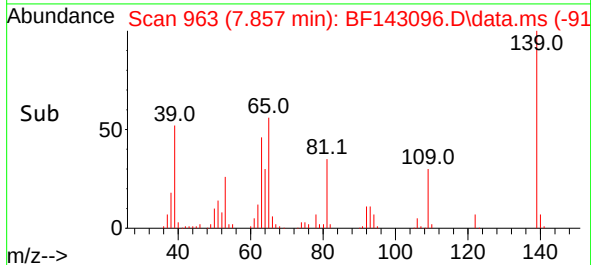
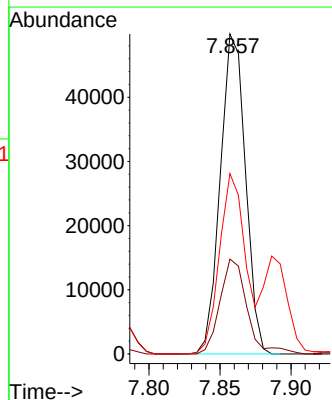
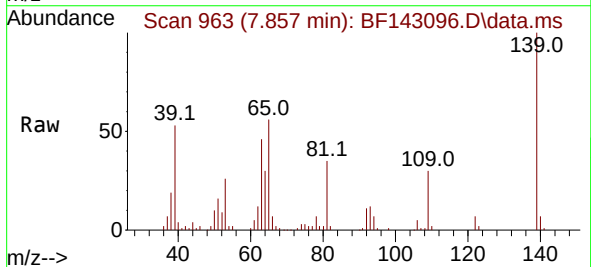
Instrument :
BNA_F
ClientSampleId :
SSTDIC020

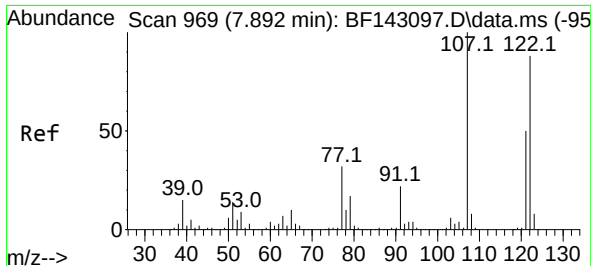
Tgt Ion: 82 Resp: 404382
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 17.7 14.3 21.5



#26
2-Nitrophenol
Concen: 18.099 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:139 Resp: 61544
Ion Ratio Lower Upper
139 100
109 29.7 23.4 35.0
65 56.3 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 20.363 ng

RT: 7.886 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

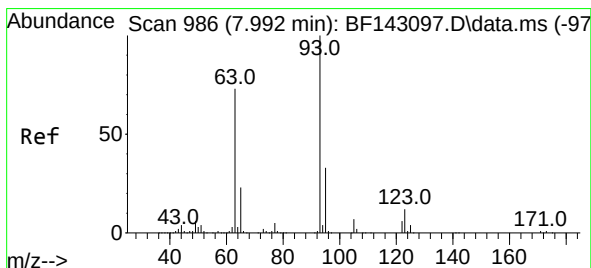
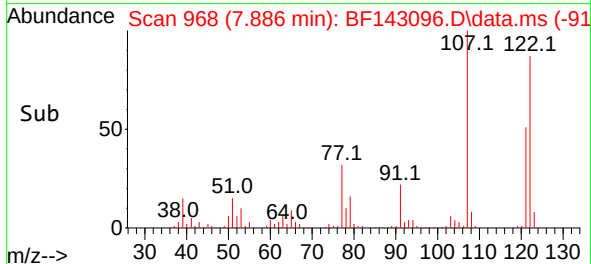
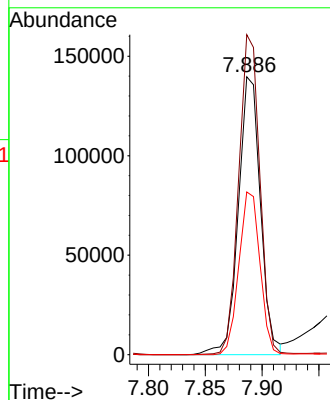
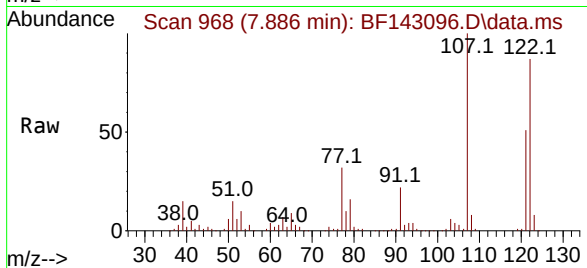
Tgt Ion:122 Resp: 188840

Ion Ratio Lower Upper

122 100

107 115.1 91.3 136.9

121 58.6 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 20.814 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

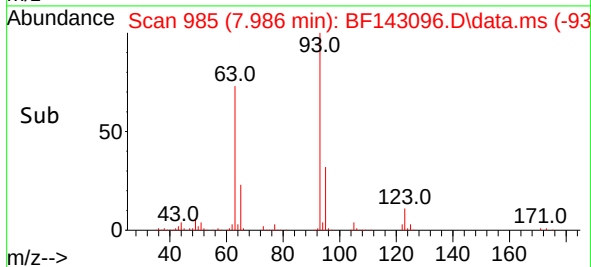
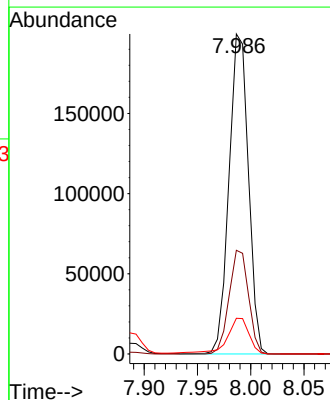
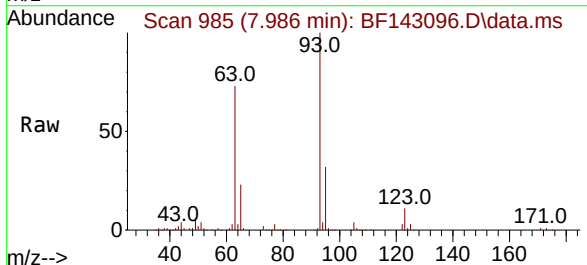
Tgt Ion: 93 Resp: 252183

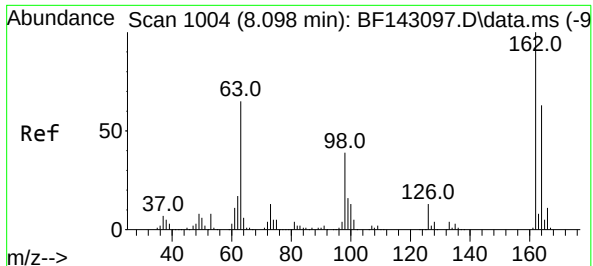
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.4

123 11.1 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 20.427 ng

RT: 8.098 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

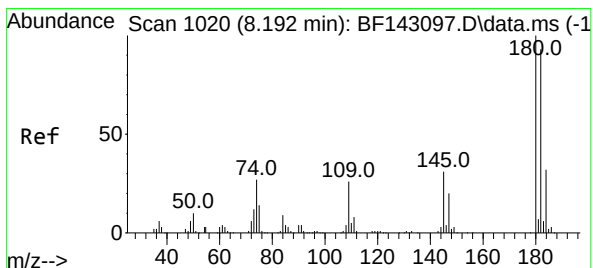
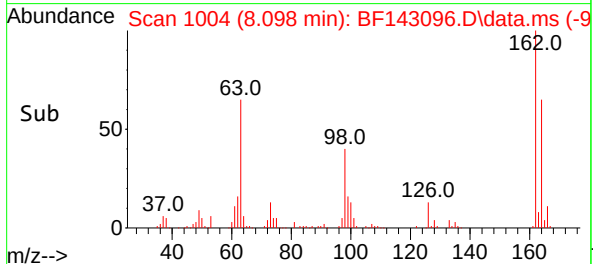
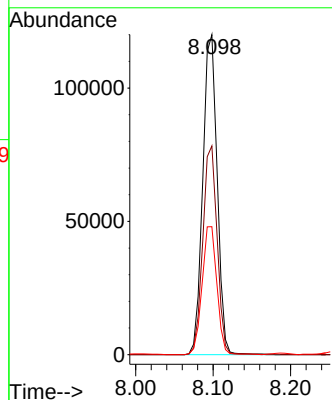
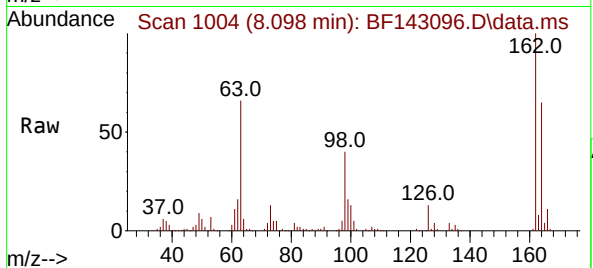
Tgt Ion:162 Resp: 154978

Ion Ratio Lower Upper

162 100

164 65.2 43.1 83.1

98 40.0 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 20.647 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

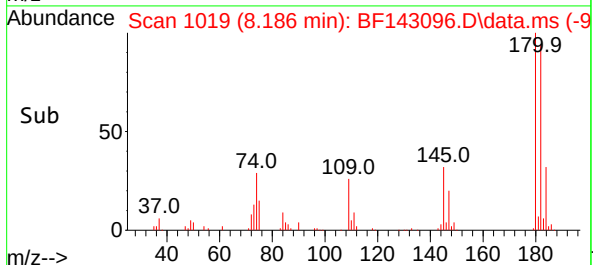
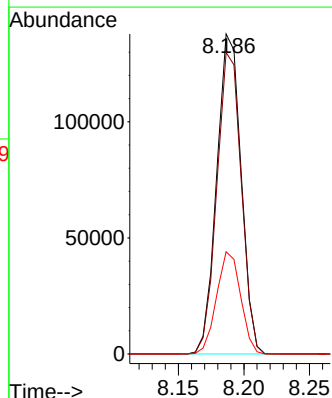
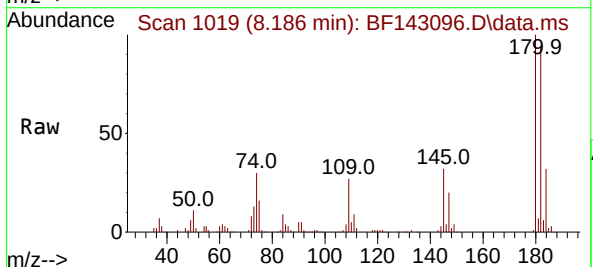
Tgt Ion:180 Resp: 177770

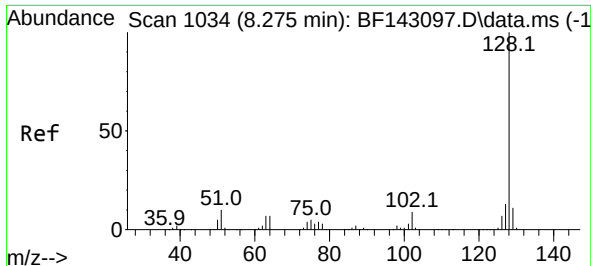
Ion Ratio Lower Upper

180 100

182 94.2 74.7 112.1

145 31.9 24.5 36.7

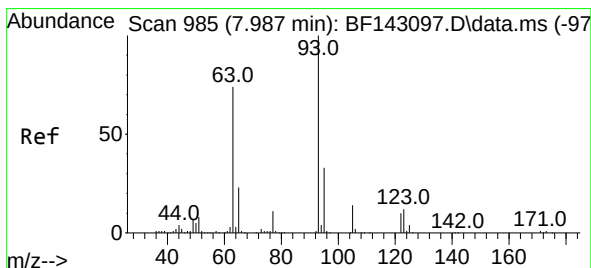
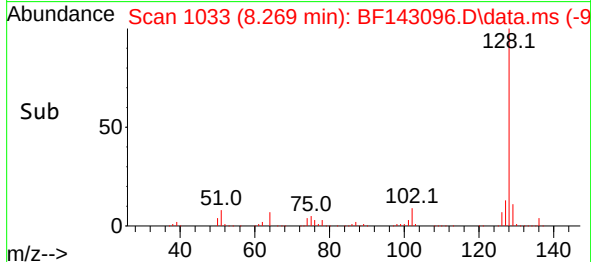
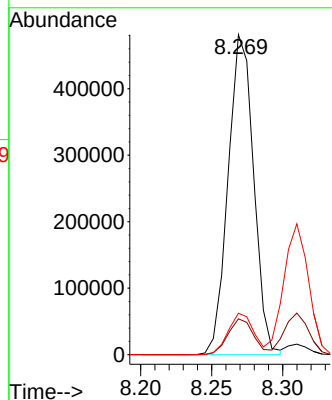
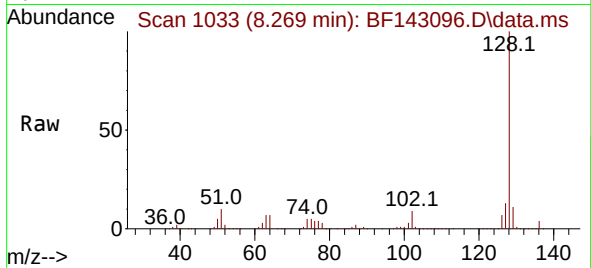




#31
Naphthalene
Concen: 20.881 ng
RT: 8.269 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

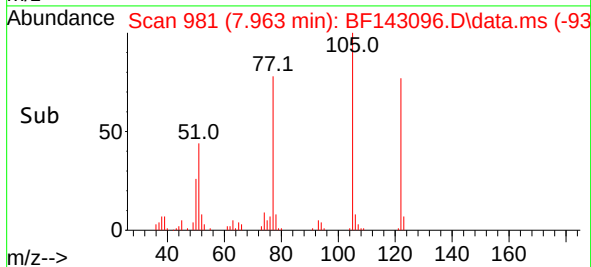
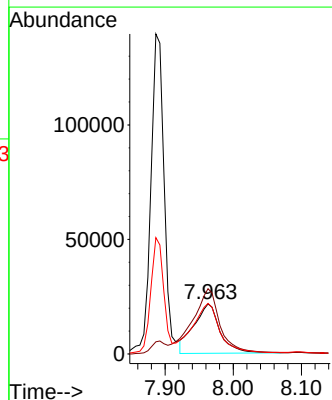
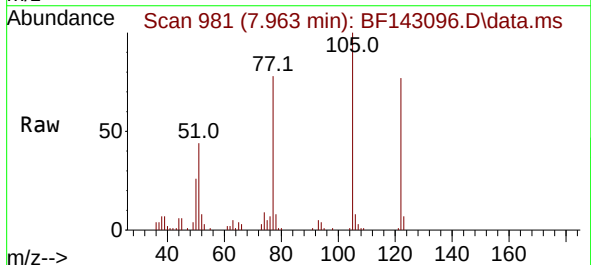
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

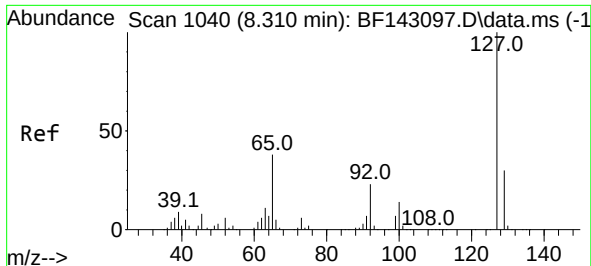
Tgt Ion:128 Resp: 601316
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.0 10.5 15.7



#32
Benzoic acid
Concen: 17.222 ng
RT: 7.963 min Scan# 981
Delta R.T. -0.024 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:122 Resp: 57220
Ion Ratio Lower Upper
122 100
105 130.0 105.4 145.4
77 100.9 78.6 118.6

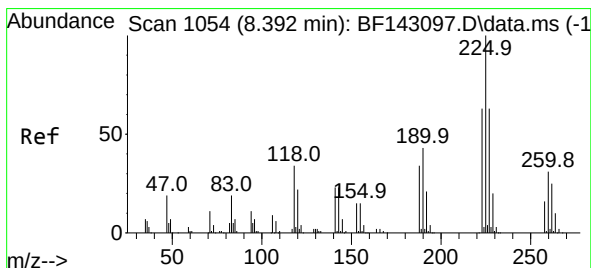
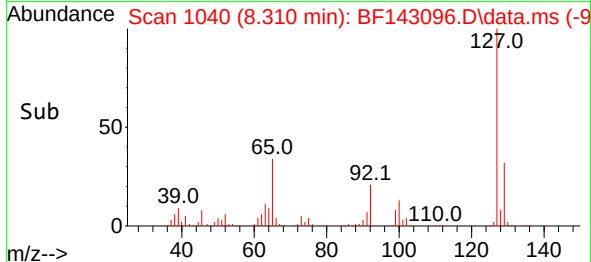
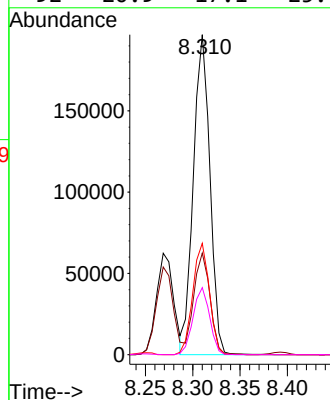
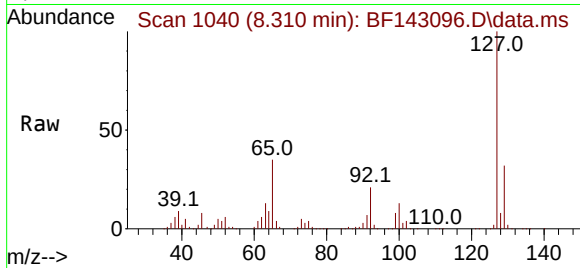




#33
4-Chloroaniline
Concen: 20.714 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

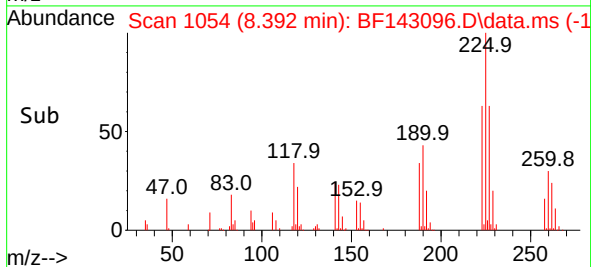
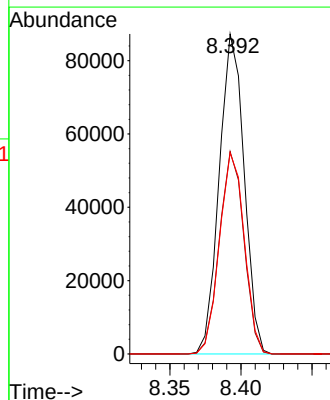
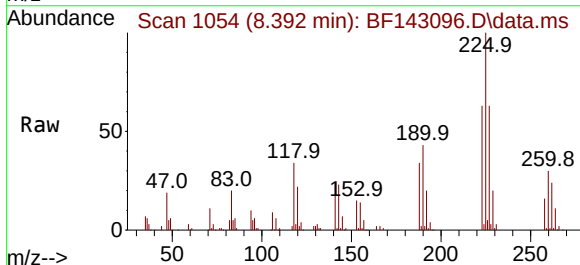
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

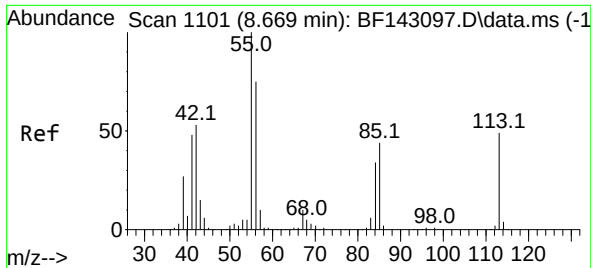
Tgt Ion:	127	Resp:	239869
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.2	39.4
65	34.8	28.6	42.8
92	20.9	17.1	25.7



#34
Hexachlorobutadiene
Concen: 20.655 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:	225	Resp:	106359
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	62.9	50.1	75.1

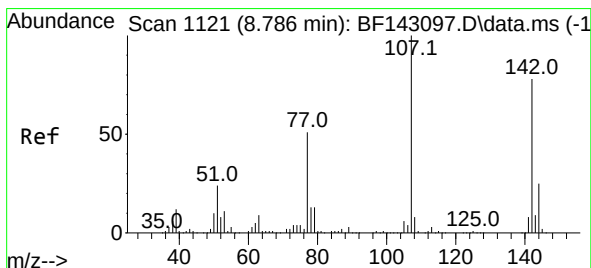
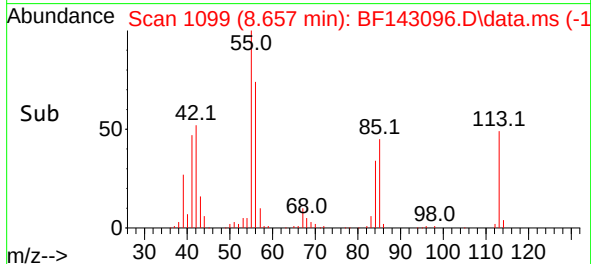
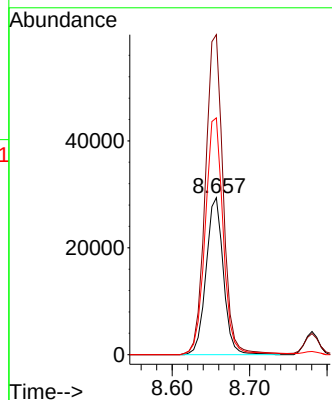
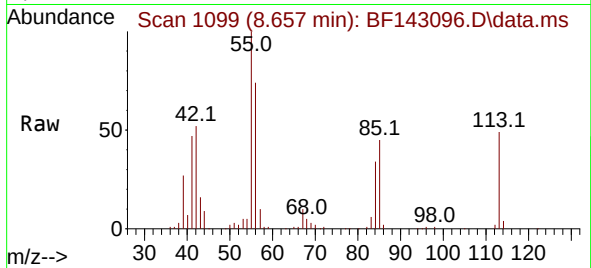




#35
 Caprolactam
 Concen: 19.171 ng
 RT: 8.657 min Scan# 1101
 Delta R.T. -0.012 min
 Lab File: BF143096.D
 Acq: 15 Jul 2025 14:36

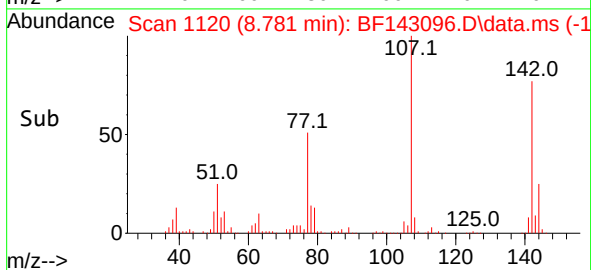
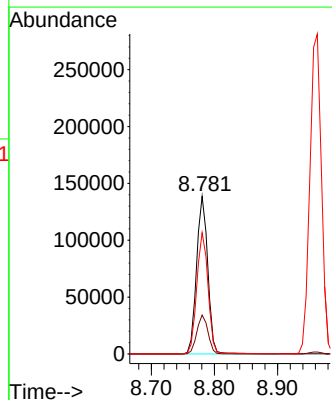
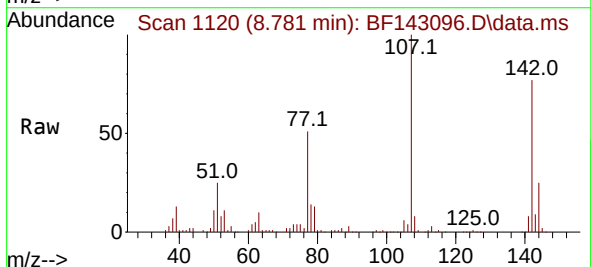
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

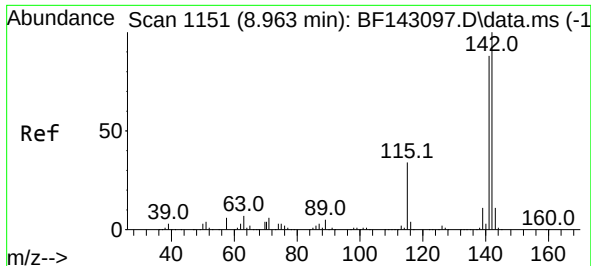
Tgt Ion:113 Resp: 45418
 Ion Ratio Lower Upper
 113 100
 55 203.9 186.2 226.2
 56 150.9 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 20.307 ng
 RT: 8.781 min Scan# 1120
 Delta R.T. -0.006 min
 Lab File: BF143096.D
 Acq: 15 Jul 2025 14:36

Tgt Ion:107 Resp: 171615
 Ion Ratio Lower Upper
 107 100
 144 24.6 20.2 30.2
 142 77.0 62.4 93.6





#37

2-Methylnaphthalene

Concen: 20.744 ng

RT: 8.963 min Scan# 1151

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

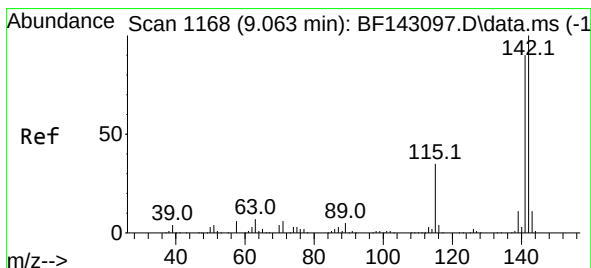
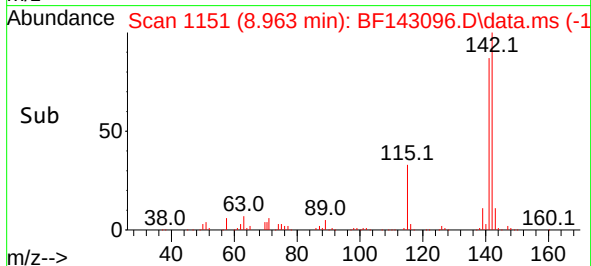
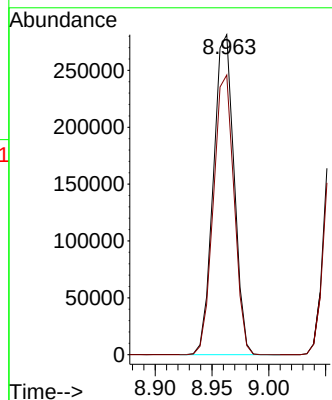
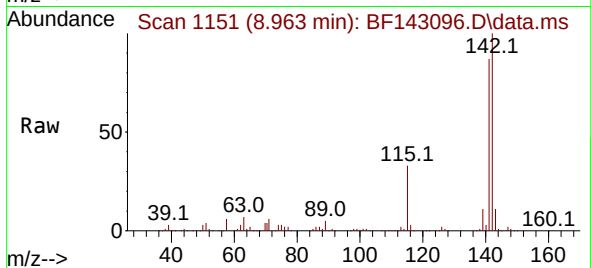
SSTDICC020

Tgt Ion:142 Resp: 356378

Ion Ratio Lower Upper

142 100

141 87.4 70.2 105.2



#38

1-Methylnaphthalene

Concen: 20.524 ng

RT: 9.063 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF143096.D

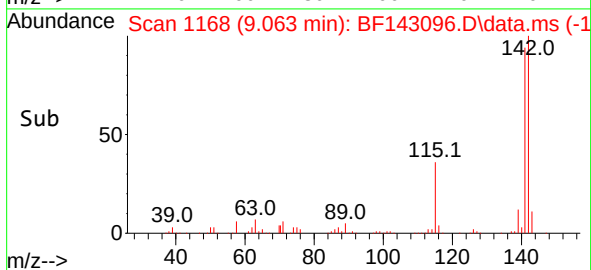
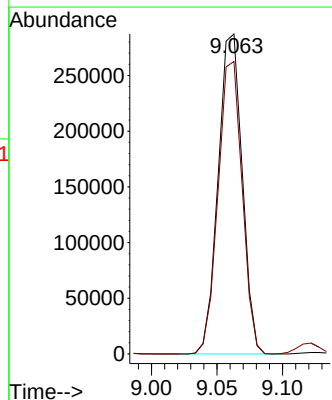
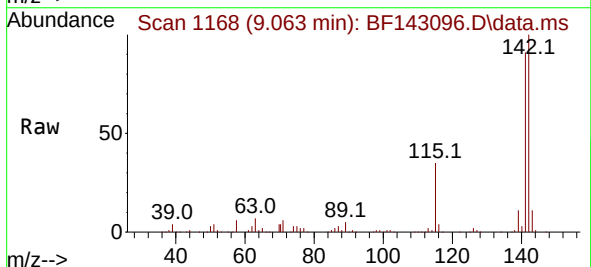
Acq: 15 Jul 2025 14:36

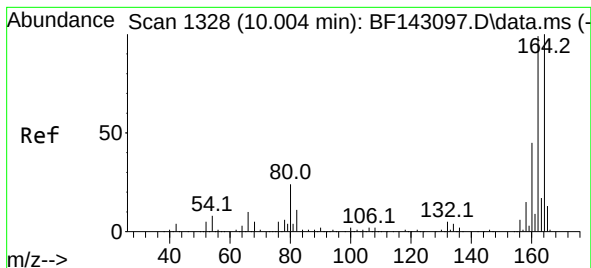
Tgt Ion:142 Resp: 365700

Ion Ratio Lower Upper

142 100

141 91.4 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143096.D

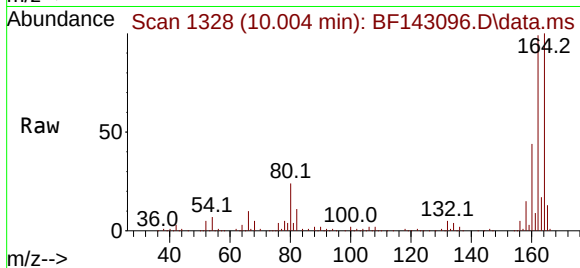
Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



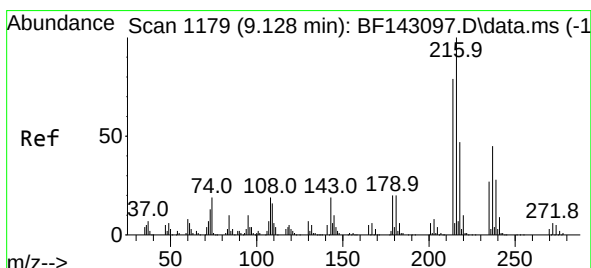
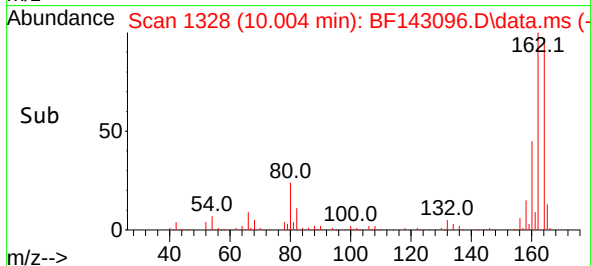
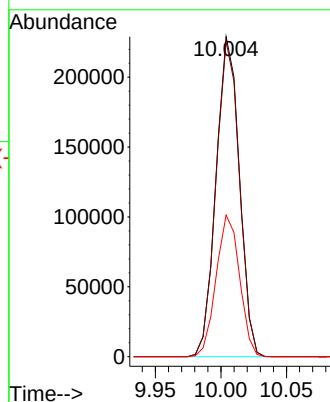
Tgt Ion:164 Resp: 283300

Ion Ratio Lower Upper

164 100

162 98.6 79.0 118.6

160 44.2 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.673 ng

RT: 9.128 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Tgt Ion:216 Resp: 170678

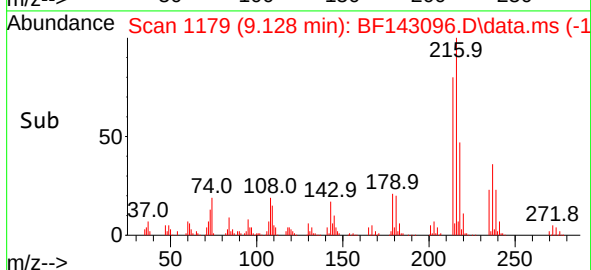
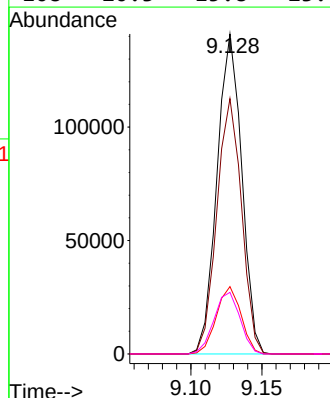
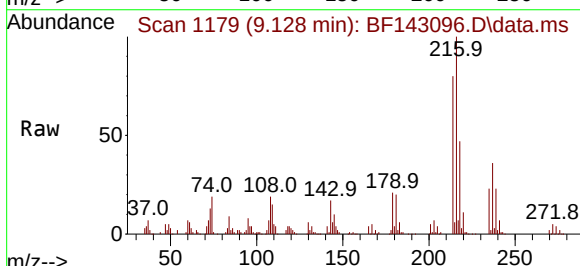
Ion Ratio Lower Upper

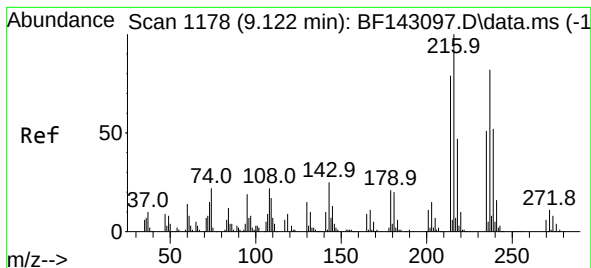
216 100

214 79.7 62.6 94.0

179 21.1 16.2 24.2

108 20.3 15.8 23.6





#41

Hexachlorocyclopentadiene

Concen: 18.918 ng

RT: 9.122 min Scan# 1178

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

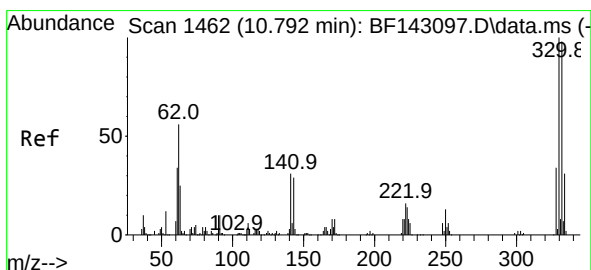
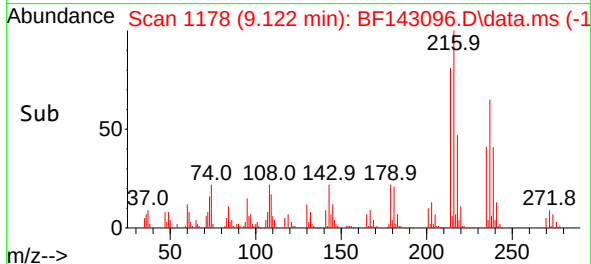
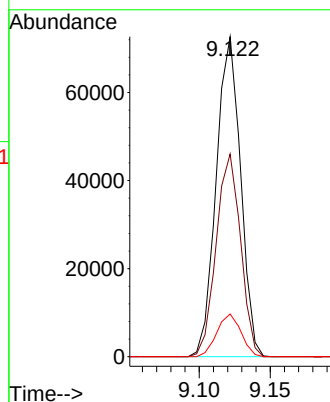
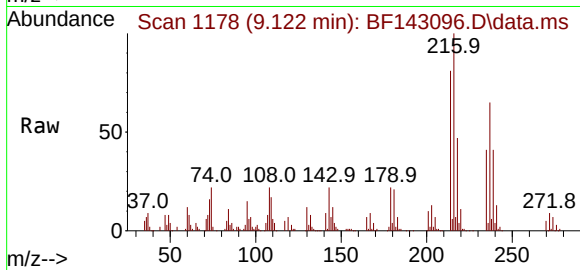
Tgt Ion:237 Resp: 86596

Ion Ratio Lower Upper

237 100

235 63.3 41.6 81.6

272 13.4 0.0 32.9



#42

2,4,6-Tribromophenol

Concen: 40.489 ng

RT: 10.792 min Scan# 1462

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

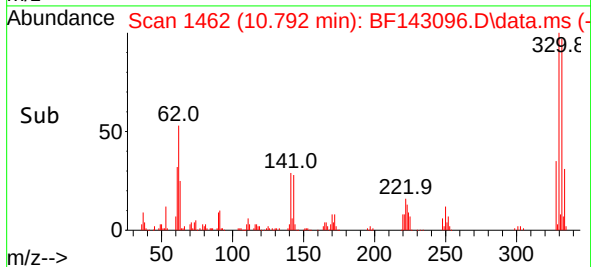
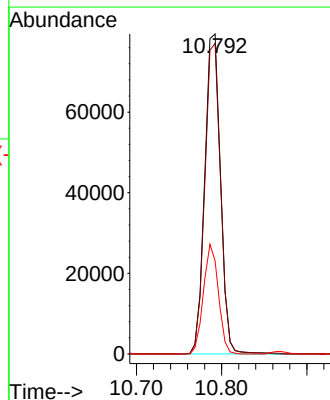
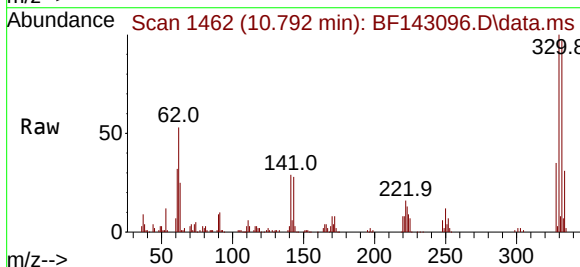
Tgt Ion:330 Resp: 102277

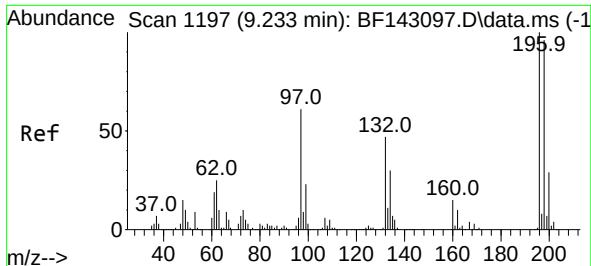
Ion Ratio Lower Upper

330 100

332 96.8 77.9 116.9

141 32.4 25.9 38.9

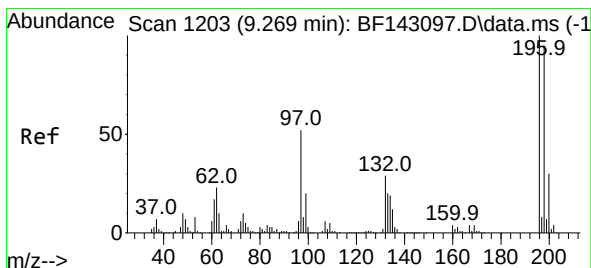
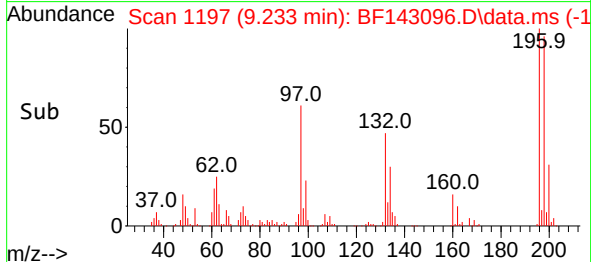
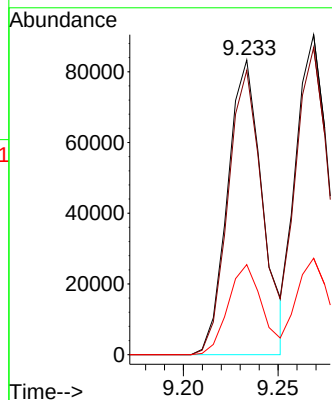
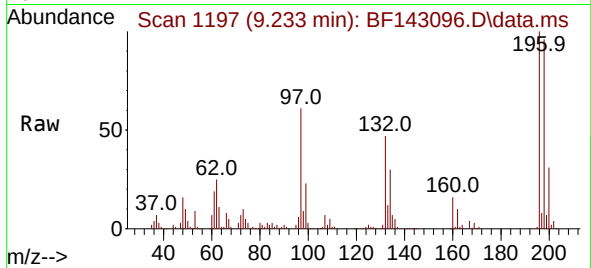




#43
2,4,6-Trichlorophenol
Concen: 20.815 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

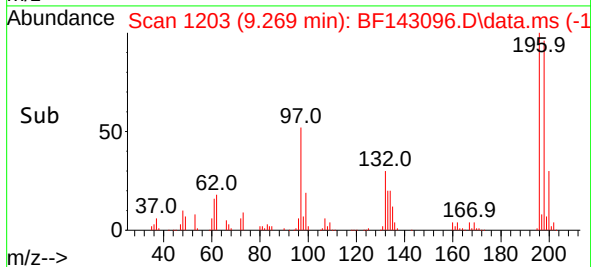
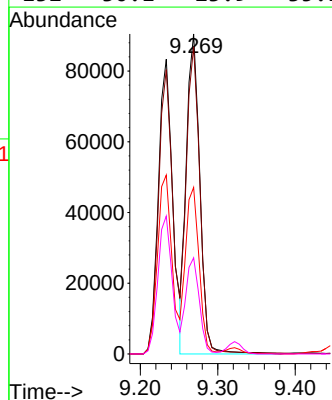
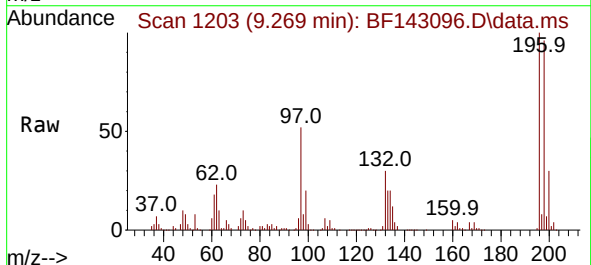
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

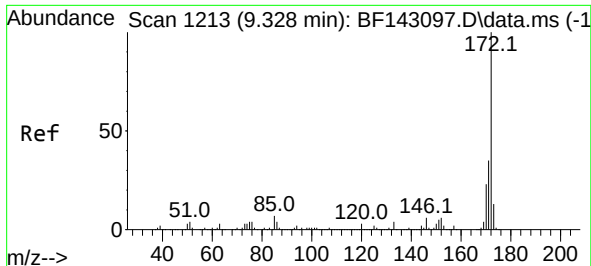
Tgt Ion:196 Resp: 106780
Ion Ratio Lower Upper
196 100
198 96.5 76.9 115.3
200 30.6 23.5 35.3



#44
2,4,5-Trichlorophenol
Concen: 20.537 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:196 Resp: 110466
Ion Ratio Lower Upper
196 100
198 96.0 76.4 114.6
97 52.0 42.4 63.6
132 30.1 23.9 35.9

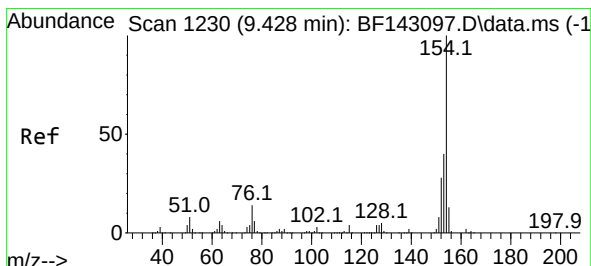
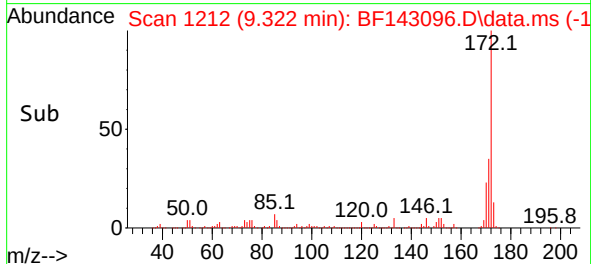
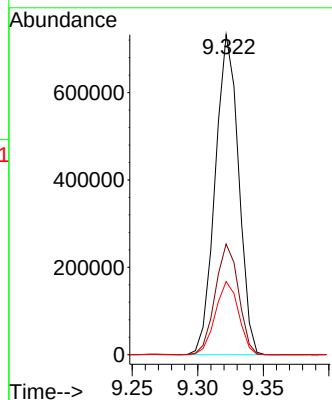
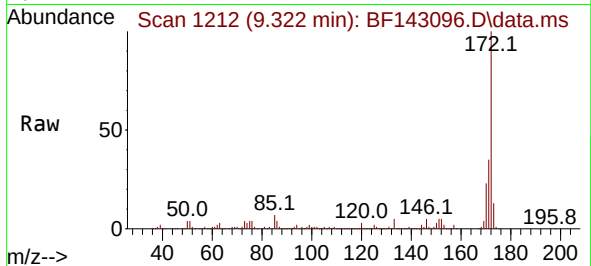




#45
2-Fluorobiphenyl
Concen: 42.581 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

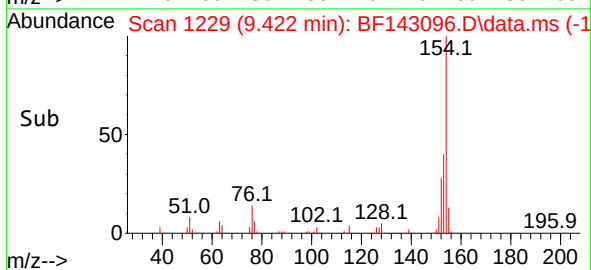
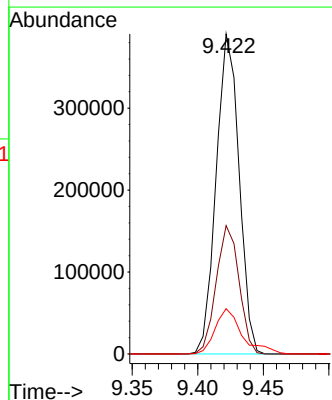
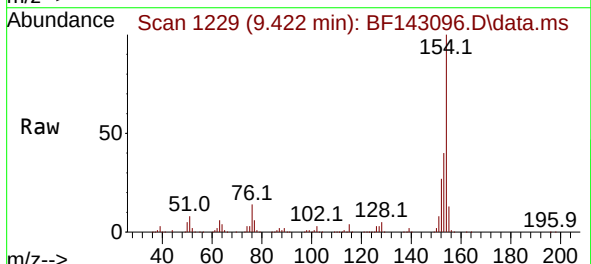
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

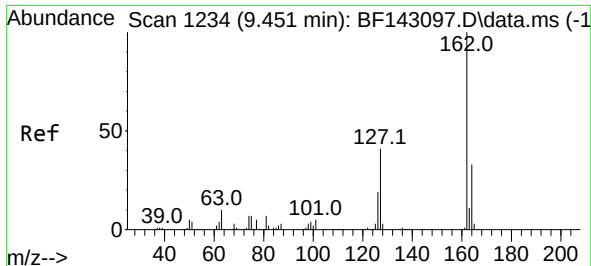
Tgt Ion:172 Resp: 907497
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 22.9 18.6 28.0



#46
1,1'-Biphenyl
Concen: 20.955 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:154 Resp: 473419
Ion Ratio Lower Upper
154 100
153 40.1 20.1 60.1
76 14.2 0.0 33.7





#47

2-Chloronaphthalene

Concen: 20.584 ng

RT: 9.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

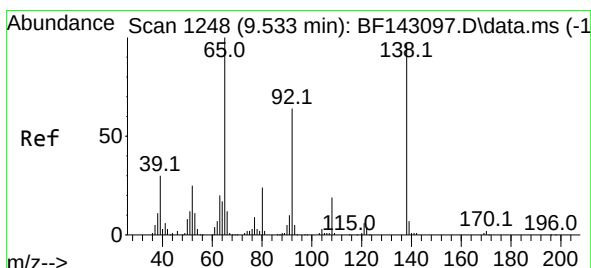
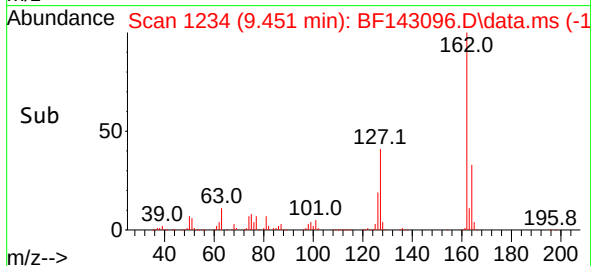
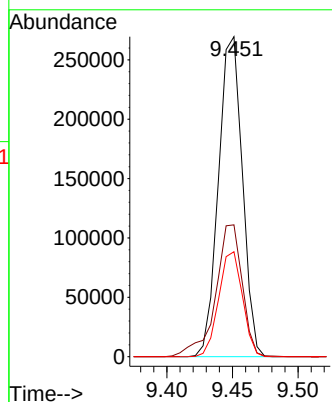
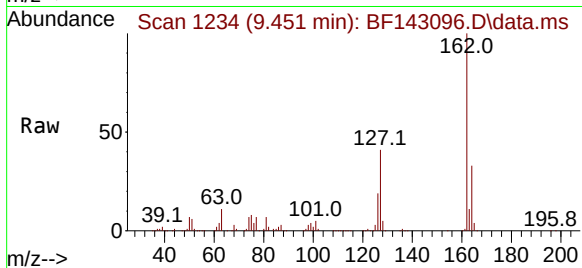
Tgt Ion:162 Resp: 341636

Ion Ratio Lower Upper

162 100

127 41.2 33.0 49.6

164 32.8 26.1 39.1



#48

2-Nitroaniline

Concen: 18.969 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

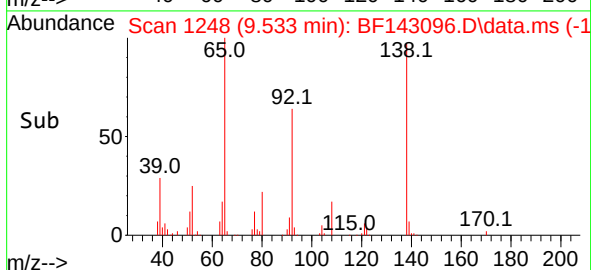
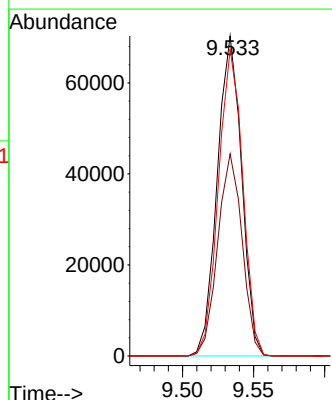
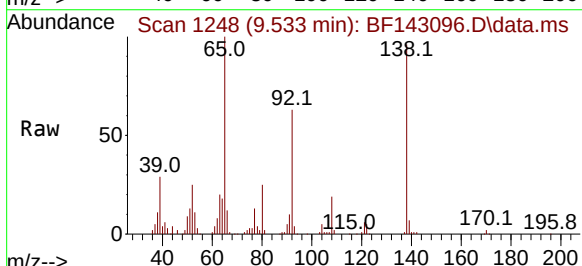
Tgt Ion: 65 Resp: 83805

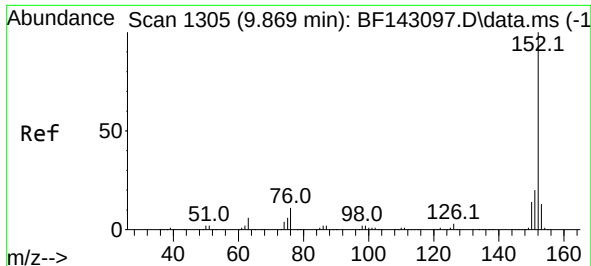
Ion Ratio Lower Upper

65 100

92 63.1 51.3 76.9

138 95.8 77.8 116.6

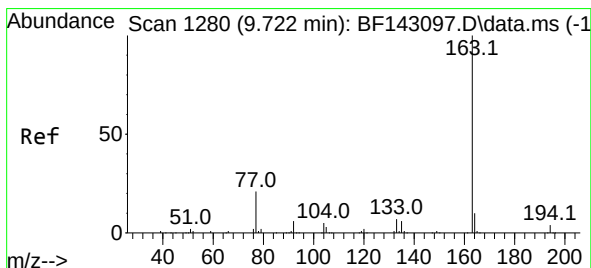
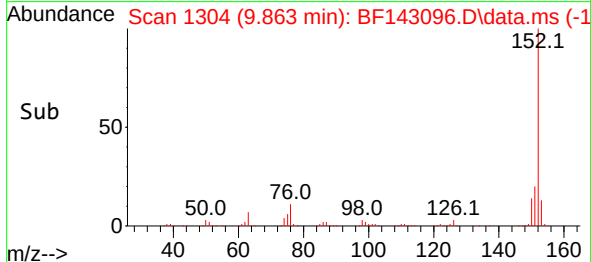
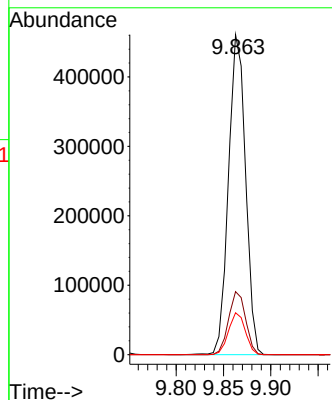
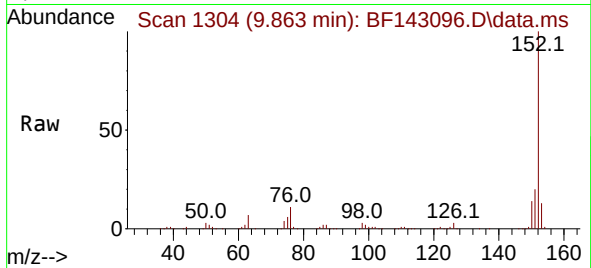




#49
Acenaphthylene
Concen: 20.837 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

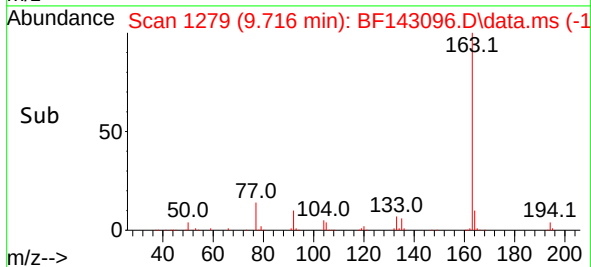
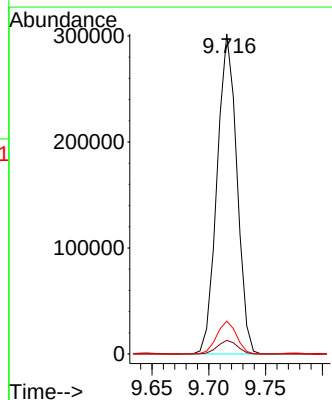
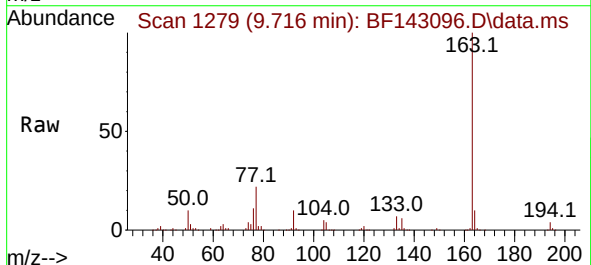
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

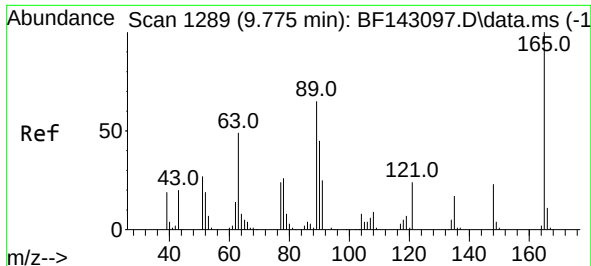
Tgt Ion:152 Resp: 576265
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.1 10.4 15.6



#50
Dimethylphthalate
Concen: 20.536 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:163 Resp: 366019
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.2 8.2 12.2

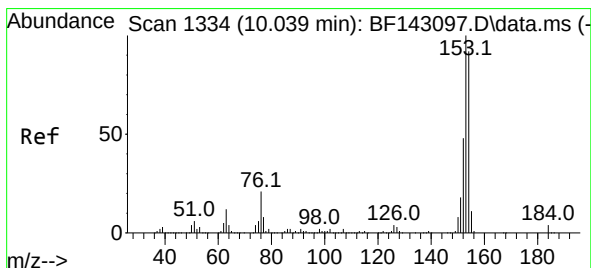
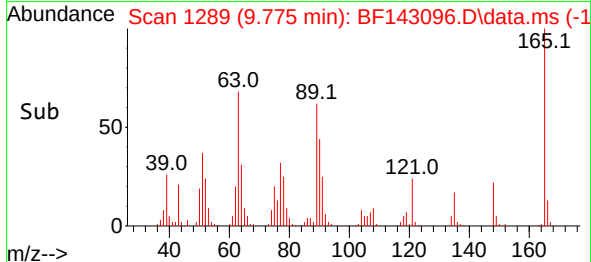
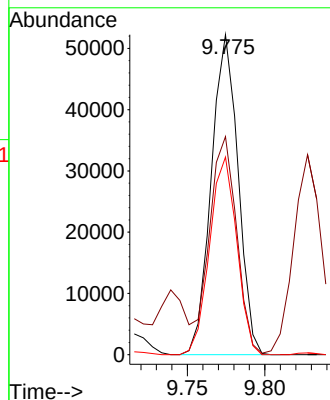
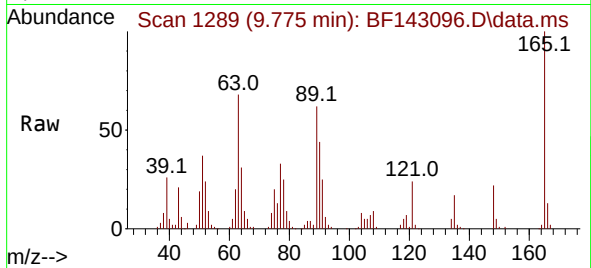




#51
2,6-Dinitrotoluene
Concen: 19.583 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

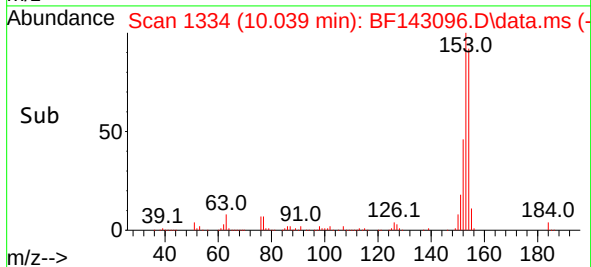
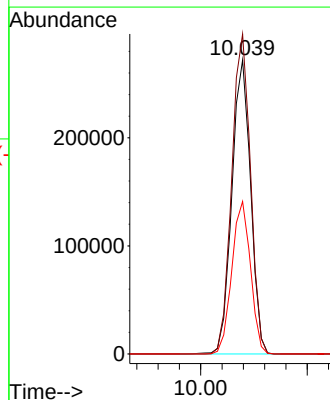
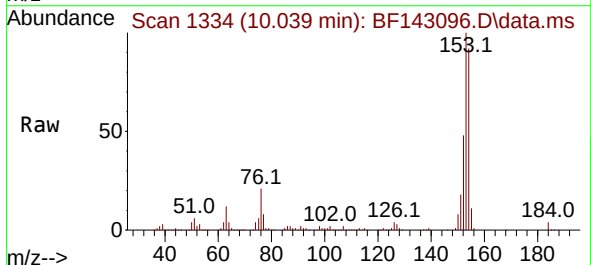
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

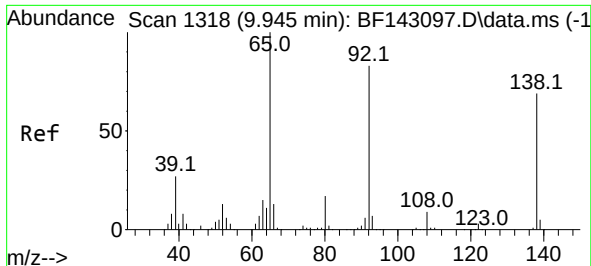
Tgt Ion:165 Resp: 62776
Ion Ratio Lower Upper
165 100
63 68.1 57.4 86.0
89 61.7 51.8 77.8



#52
Acenaphthene
Concen: 20.369 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:154 Resp: 332427
Ion Ratio Lower Upper
154 100
153 108.9 86.7 130.1
152 51.9 41.4 62.2

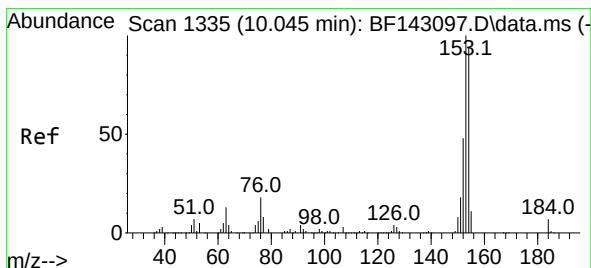
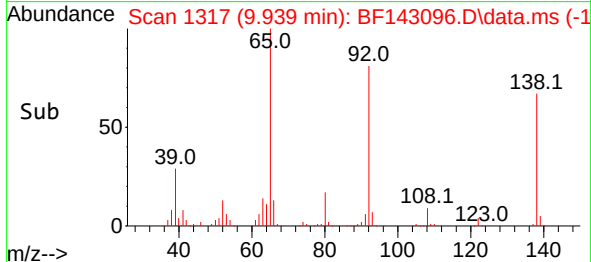
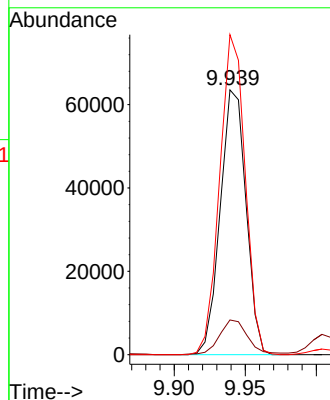
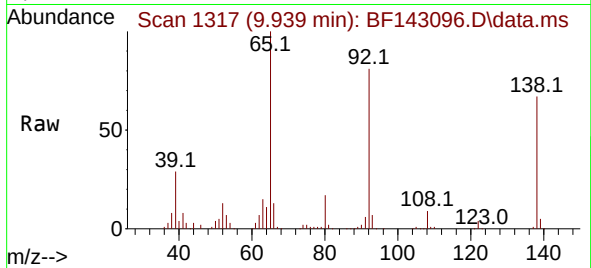




#53
3-Nitroaniline
Concen: 20.797 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

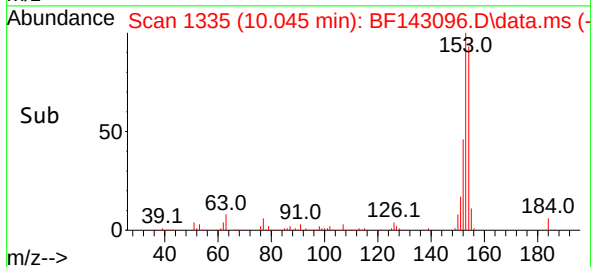
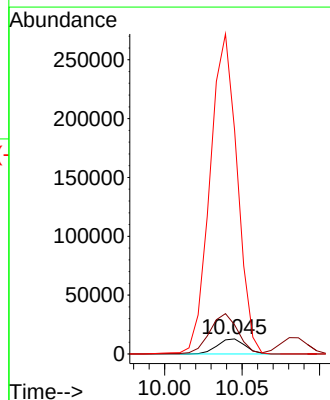
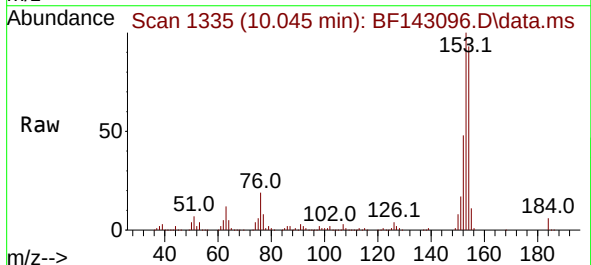
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

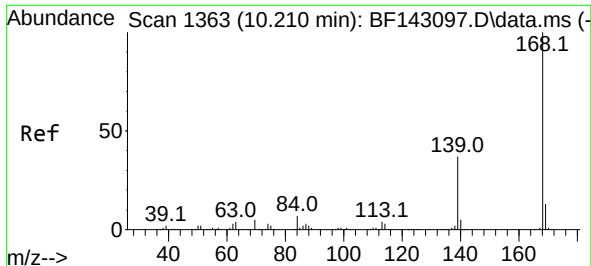
Tgt Ion:138 Resp: 80094
Ion Ratio Lower Upper
138 100
108 13.1 10.1 15.1
92 120.9 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 19.749 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:184 Resp: 15826
Ion Ratio Lower Upper
184 100
63 193.5 149.3 223.9
154 1488.1 1048.0 1572.0

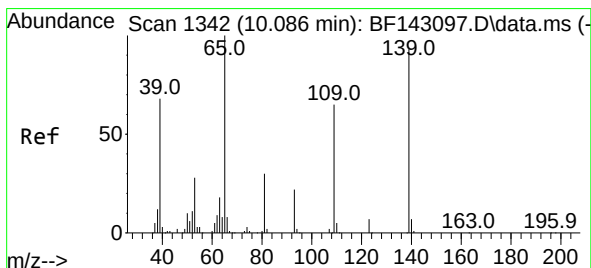
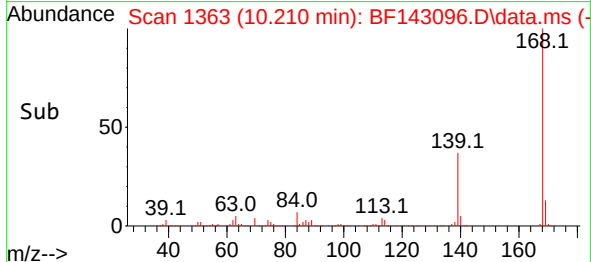
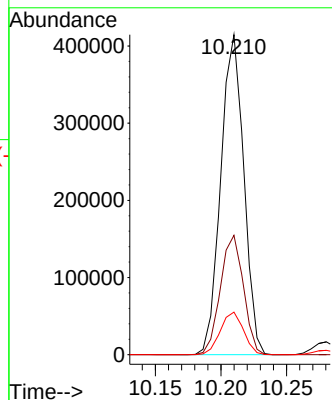
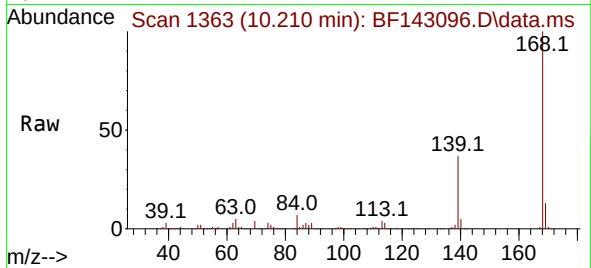




#55
Dibenzofuran
Concen: 20.792 ng
RT: 10.210 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

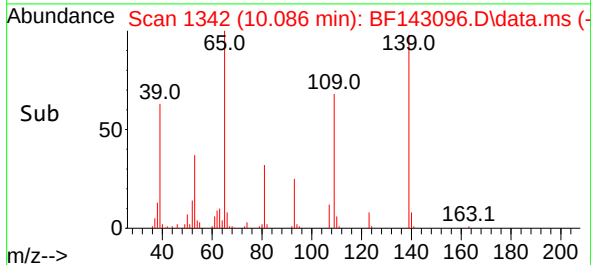
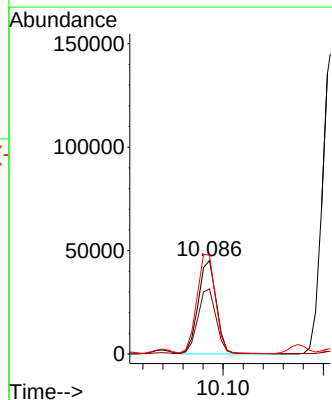
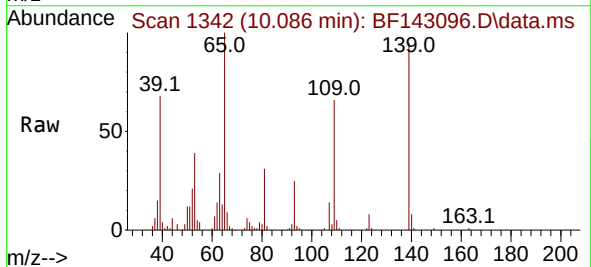
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

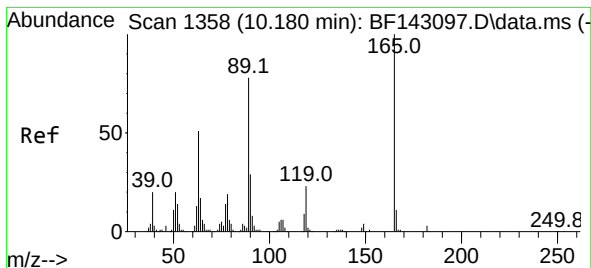
Tgt Ion:168 Resp: 505784
Ion Ratio Lower Upper
168 100
139 37.3 29.8 44.6
169 13.3 10.8 16.2



#56
4-Nitrophenol
Concen: 18.647 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:139 Resp: 57072
Ion Ratio Lower Upper
139 100
109 69.7 49.4 89.4
65 105.6 88.2 128.2

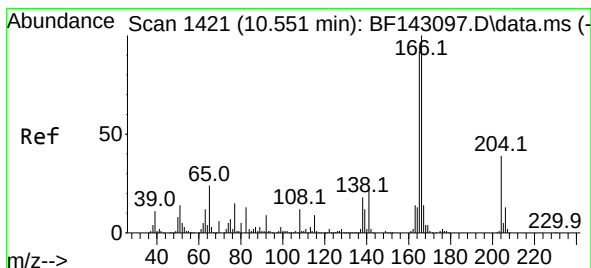
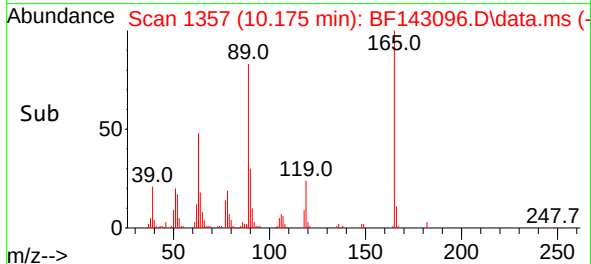
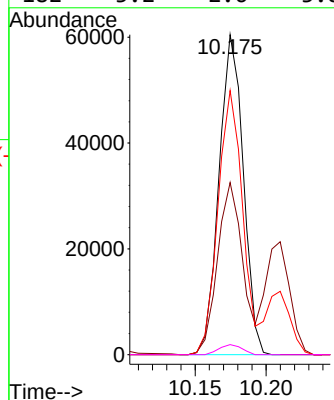
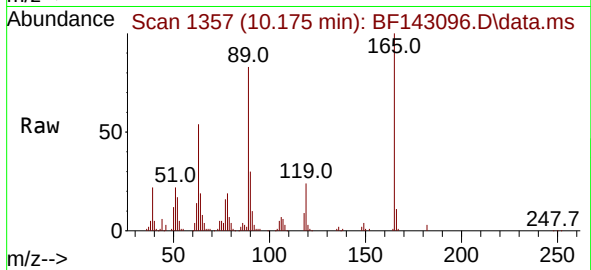




#57
2,4-Dinitrotoluene
Concen: 18.561 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

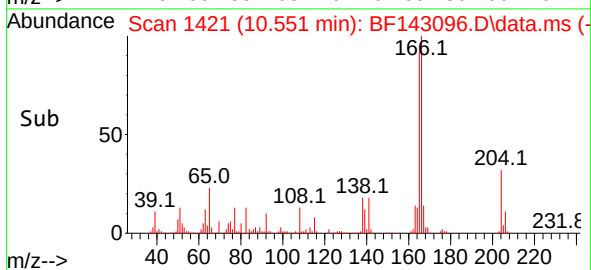
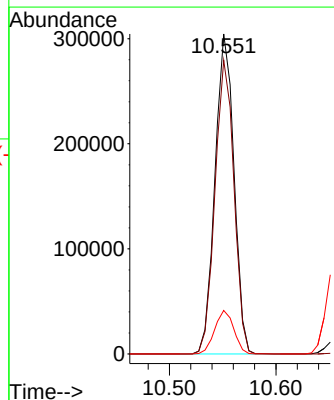
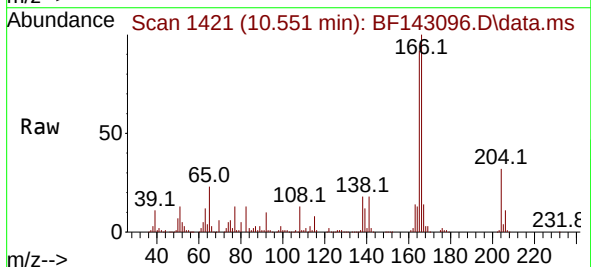
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

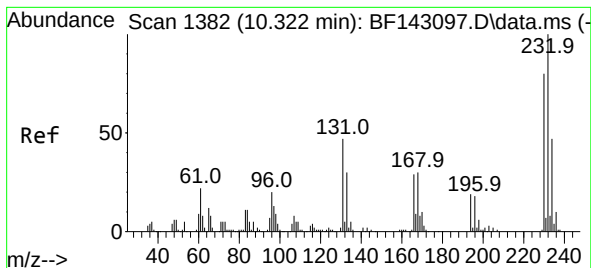
Tgt Ion:	165	Resp:	71762
Ion Ratio	Lower	Upper	
165	100		
63	53.8	40.6	61.0
89	82.6	62.3	93.5
182	3.2	2.6	3.8



#58
Fluorene
Concen: 20.626 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:	166	Resp:	376169
Ion Ratio	Lower	Upper	
166	100		
165	91.8	73.7	110.5
167	13.6	10.9	16.3

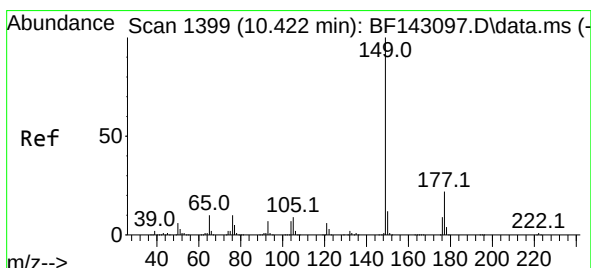
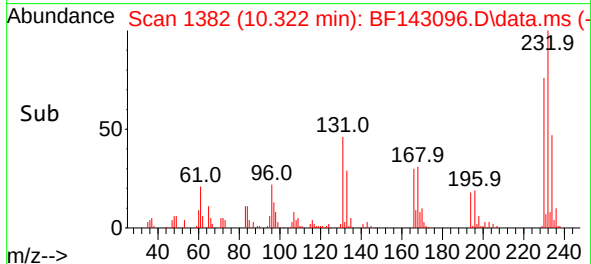
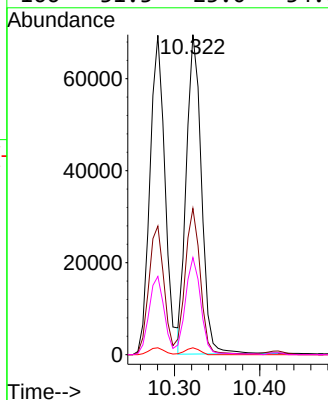
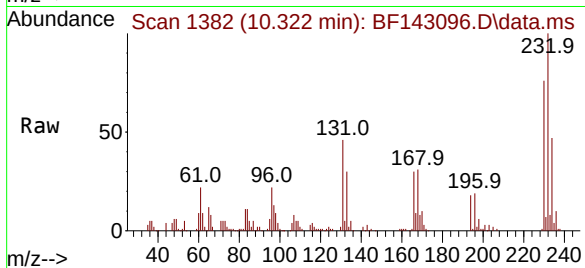




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.030 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

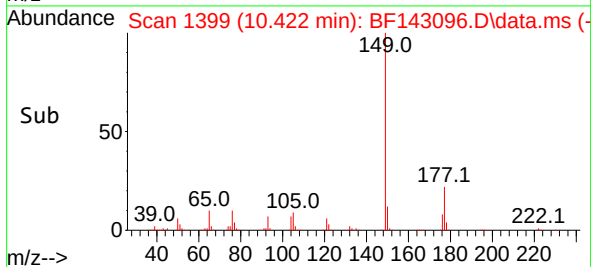
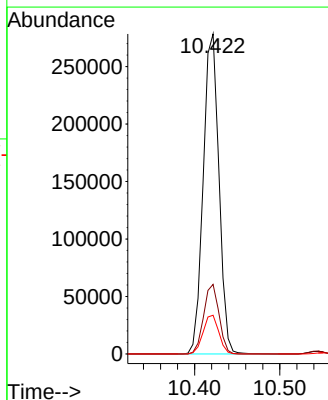
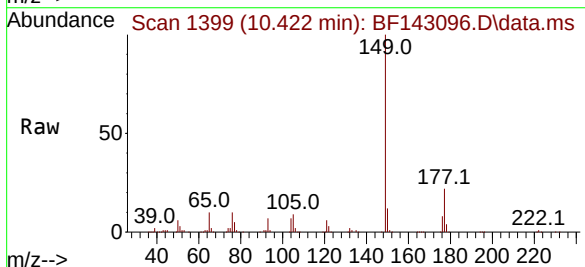
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

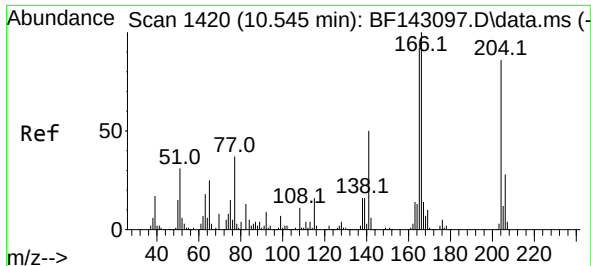
Tgt Ion:232 Resp: 85620
Ion Ratio Lower Upper
232 100
131 46.3 36.9 55.3
130 2.1 1.8 2.8
166 31.3 23.0 34.6



#60
Diethylphthalate
Concen: 20.710 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 356111
Ion Ratio Lower Upper
149 100
177 21.7 17.3 25.9
150 12.1 9.9 14.9

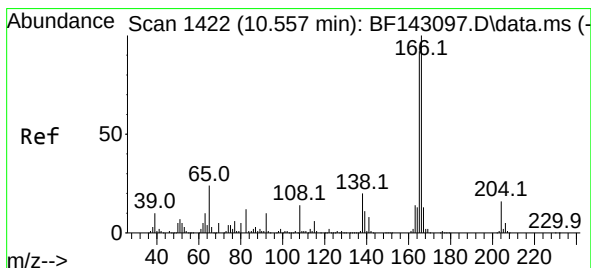
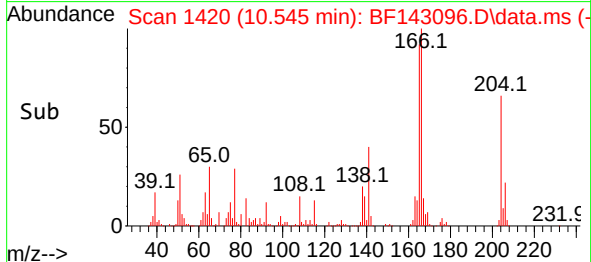
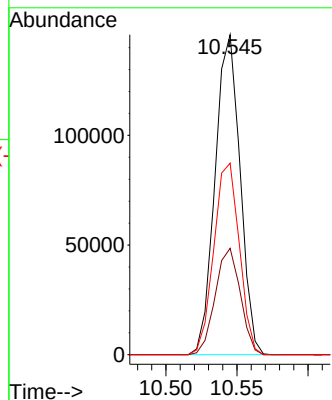
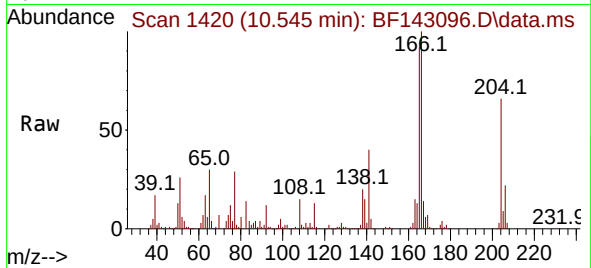




#61
4-Chlorophenyl-phenylether
Concen: 20.436 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

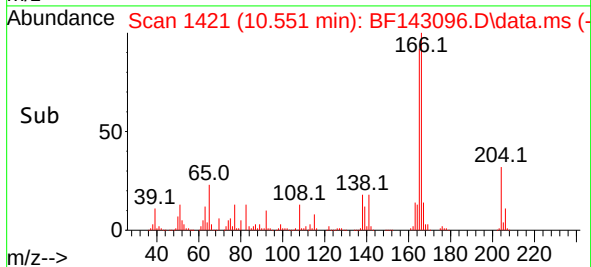
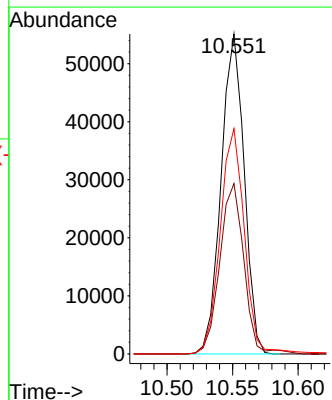
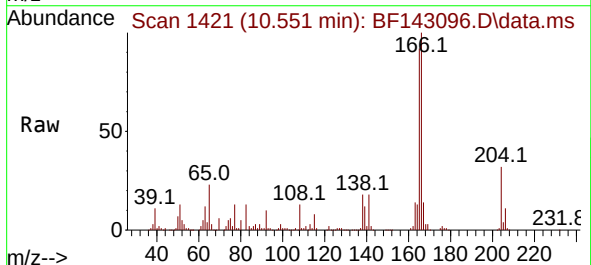
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

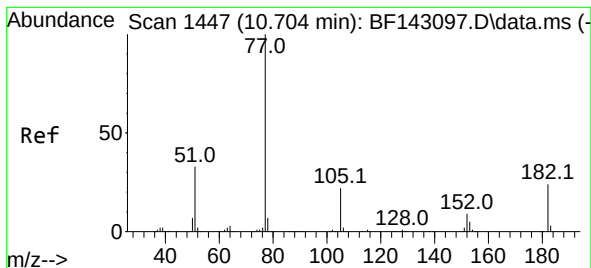
Tgt Ion:204 Resp: 178641
Ion Ratio Lower Upper
204 100
206 33.3 25.8 38.6
141 59.8 46.8 70.2



#62
4-Nitroaniline
Concen: 20.084 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:138 Resp: 67264
Ion Ratio Lower Upper
138 100
92 53.2 30.4 70.4
108 70.4 49.5 89.5





#63

Azobenzene

Concen: 20.478 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 77 Resp: 389419

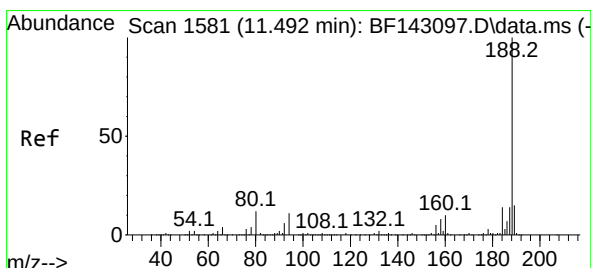
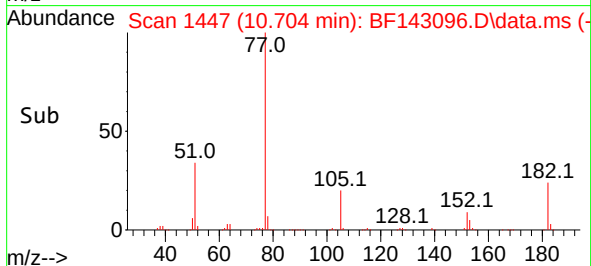
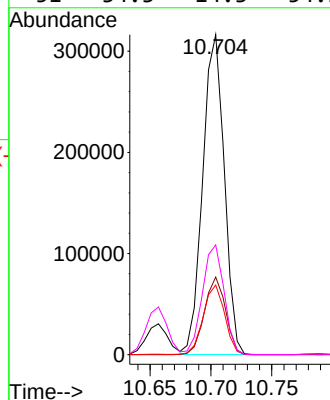
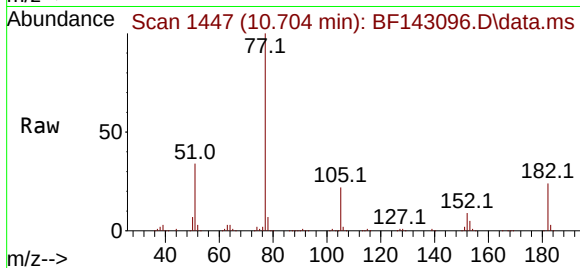
Ion Ratio Lower Upper

77 100

182 24.3 4.0 44.0

105 21.8 1.4 41.4

51 34.3 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

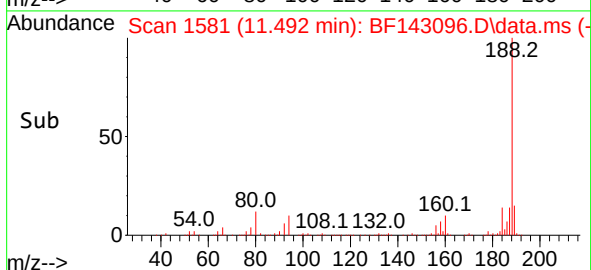
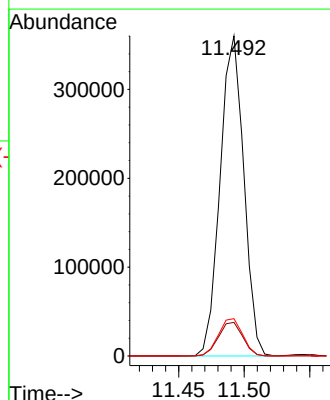
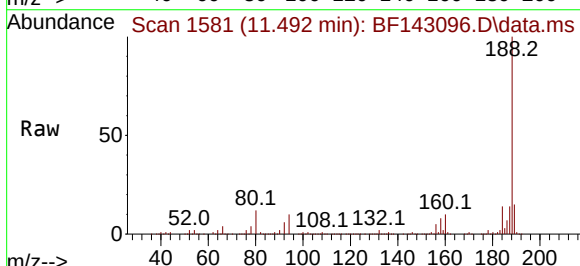
Tgt Ion: 188 Resp: 451524

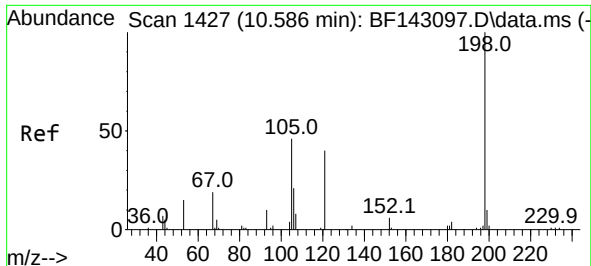
Ion Ratio Lower Upper

188 100

94 10.5 8.6 13.0

80 11.6 9.3 13.9

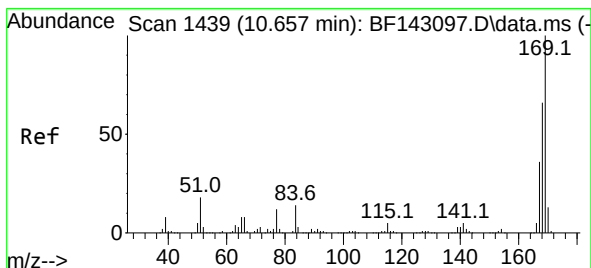
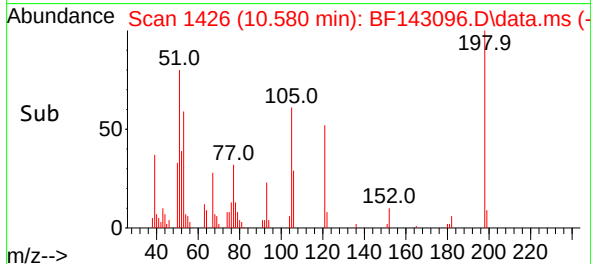
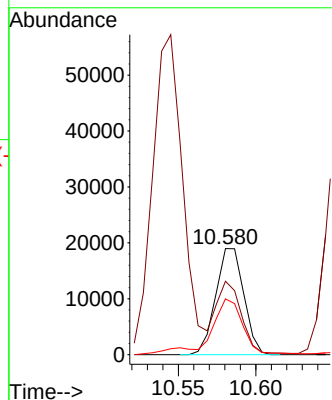
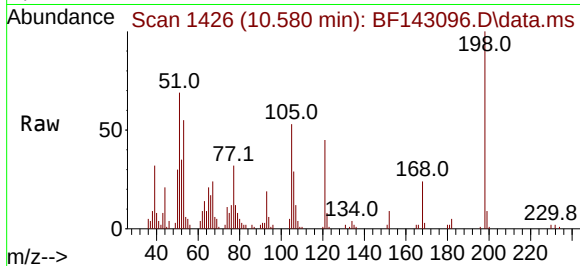




#65
4,6-Dinitro-2-methylphenol
Concen: 19.643 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

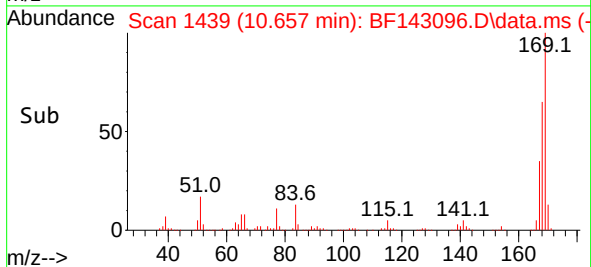
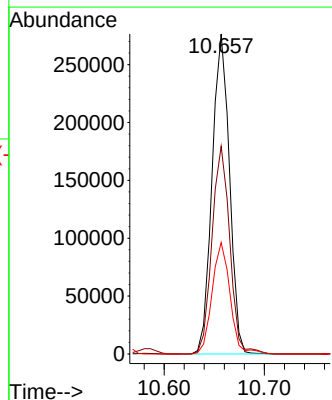
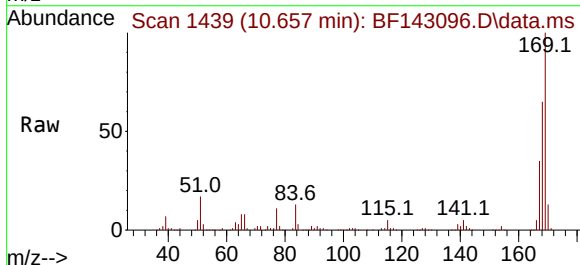
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

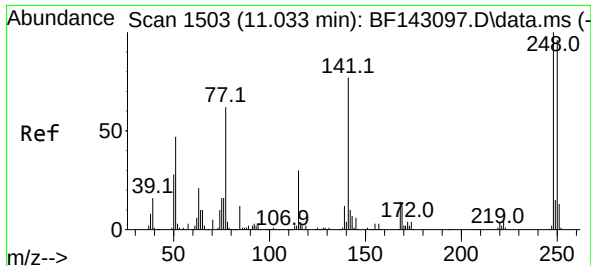
Tgt Ion:198 Resp: 23973
Ion Ratio Lower Upper
198 100
51 69.3 44.6 84.6
105 52.7 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 20.948 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:169 Resp: 332248
Ion Ratio Lower Upper
169 100
168 64.9 53.0 79.6
167 34.8 28.4 42.6

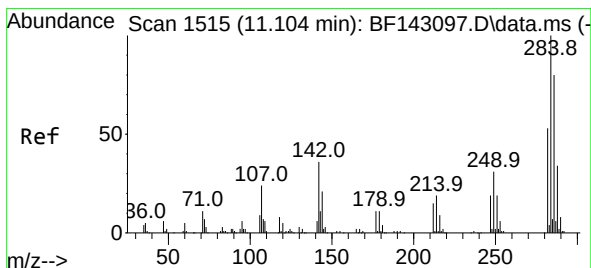
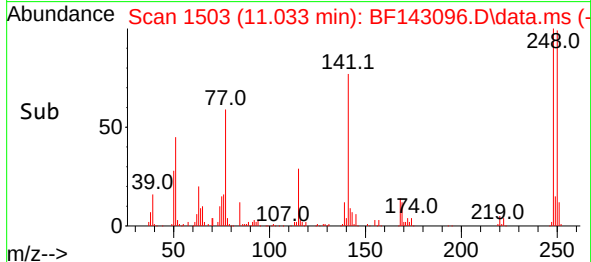
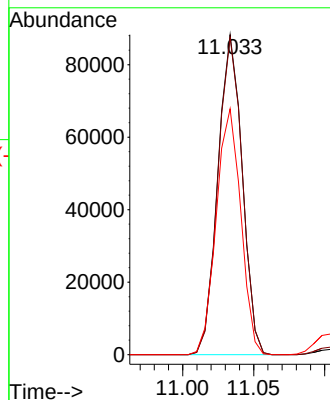
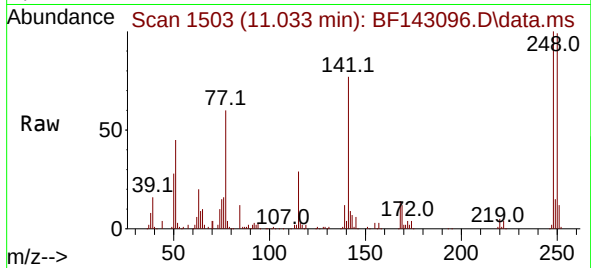




#67
4-Bromophenyl-phenylether
Concen: 20.535 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

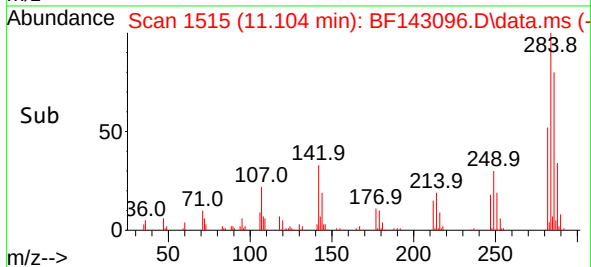
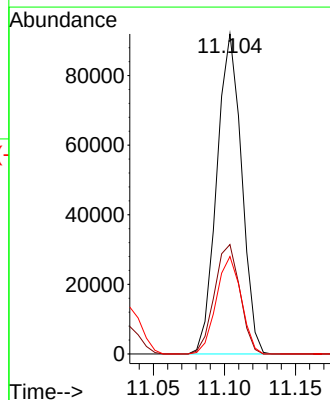
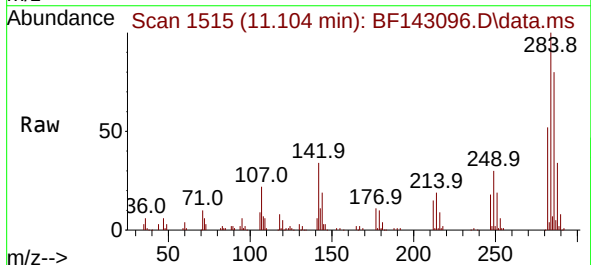
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

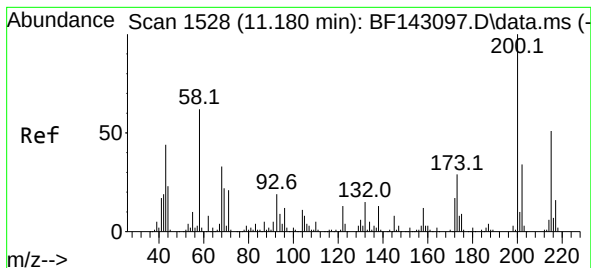
Tgt Ion:248 Resp: 105446
Ion Ratio Lower Upper
248 100
250 99.2 76.7 115.1
141 76.9 61.7 92.5



#68
Hexachlorobenzene
Concen: 20.507 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:284 Resp: 111727
Ion Ratio Lower Upper
284 100
142 34.2 28.9 43.3
249 30.4 24.6 37.0





#69

Atrazine

Concen: 20.499 ng

RT: 11.180 min Scan# 1528

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

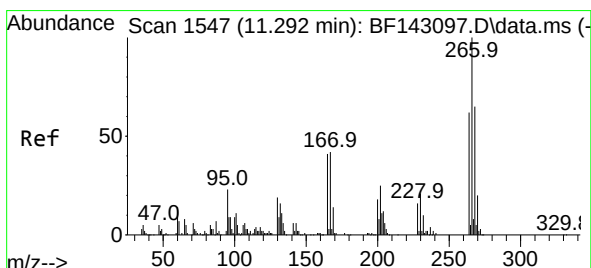
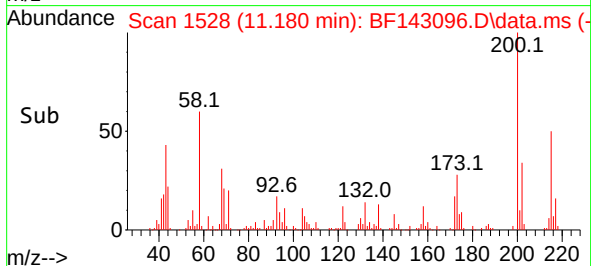
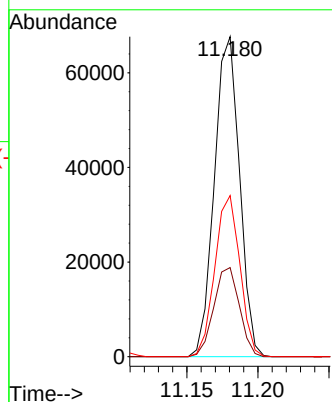
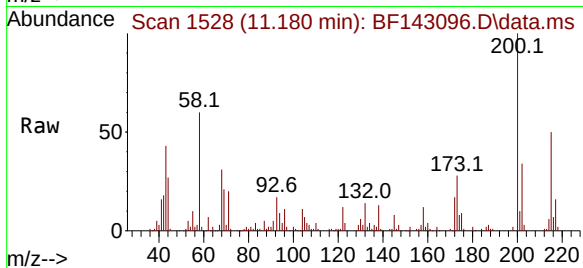
Tgt Ion:200 Resp: 83181

Ion Ratio Lower Upper

200 100

173 27.8 9.1 49.1

215 50.3 31.0 71.0



#70

Pentachlorophenol

Concen: 18.862 ng

RT: 11.292 min Scan# 1547

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

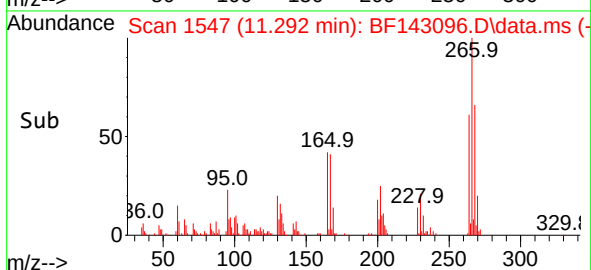
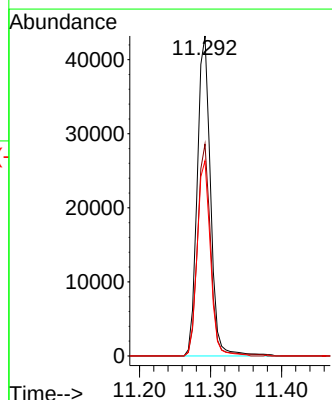
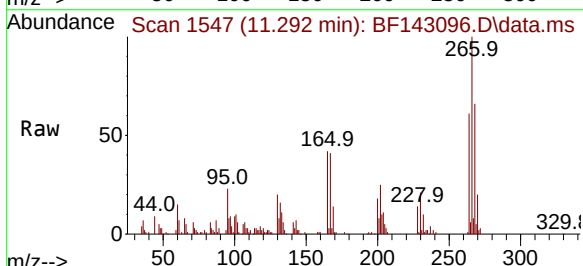
Tgt Ion:266 Resp: 56380

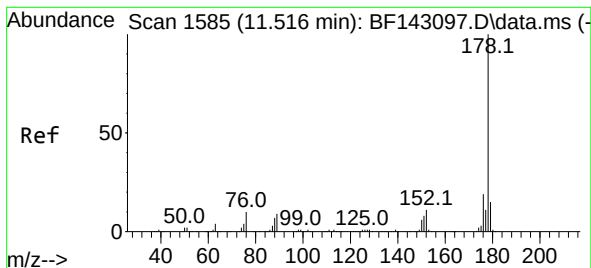
Ion Ratio Lower Upper

266 100

268 66.2 51.8 77.6

264 61.0 49.7 74.5

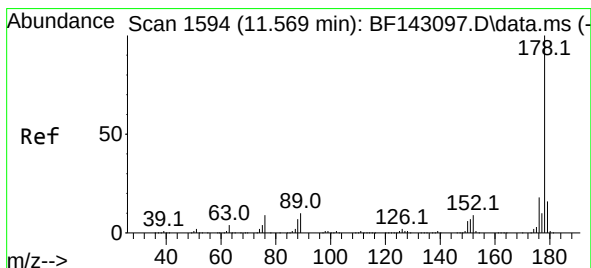
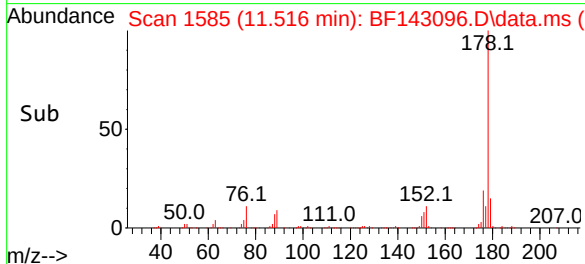
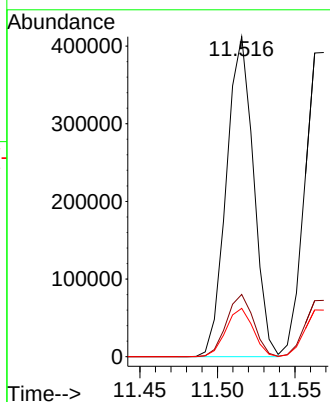
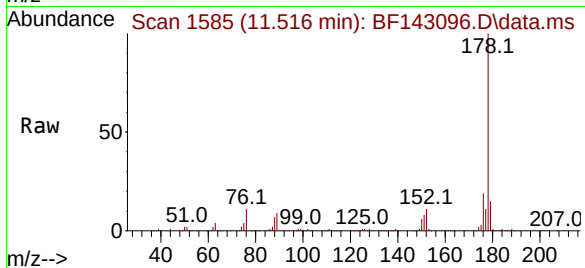




#71
Phenanthrene
Concen: 20.581 ng
RT: 11.516 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

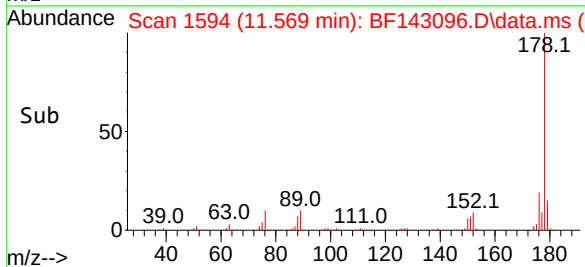
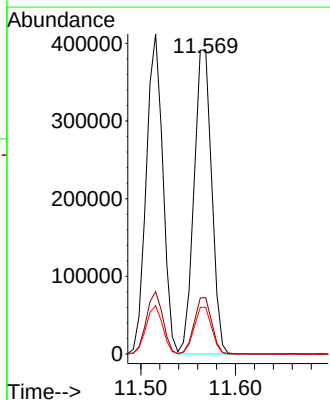
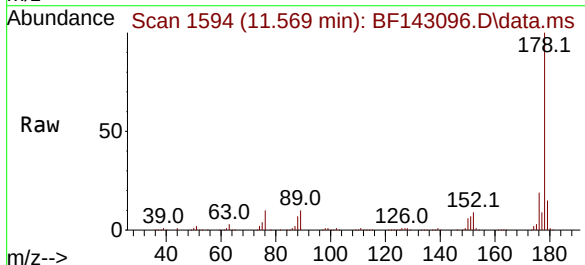
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

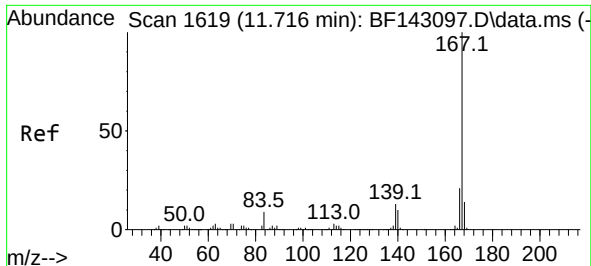
Tgt Ion:178 Resp: 501521
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.1 12.2 18.4



#72
Anthracene
Concen: 20.752 ng
RT: 11.569 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:178 Resp: 508525
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.3 12.4 18.6

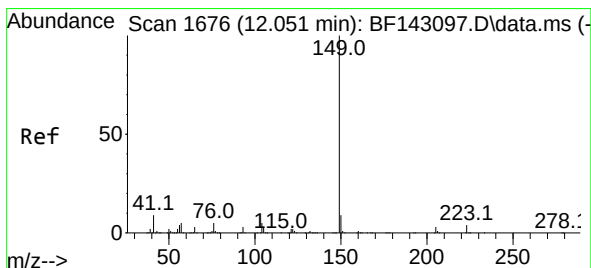
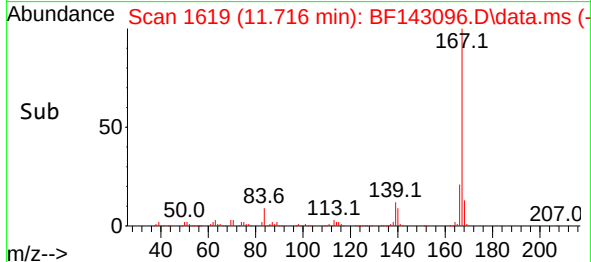
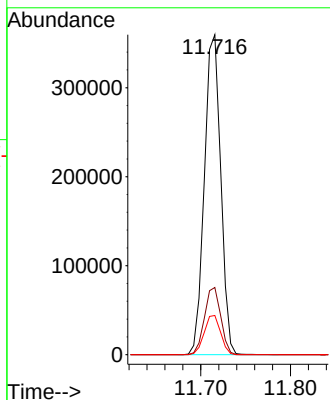
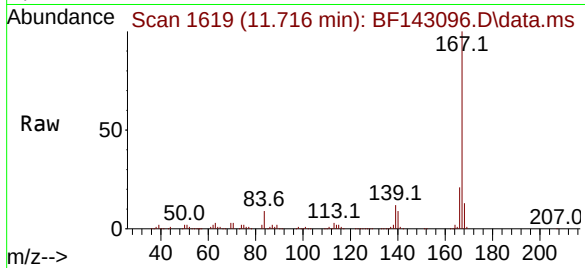




#73
 Carbazole
 Concen: 20.728 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. -0.000 min
 Lab File: BF143096.D
 Acq: 15 Jul 2025 14:36

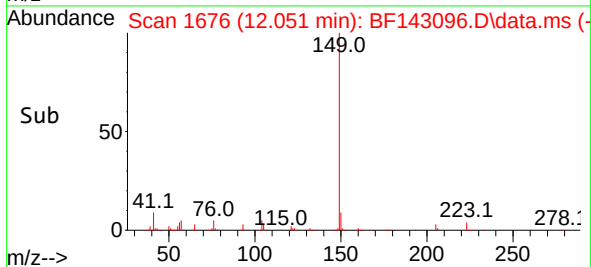
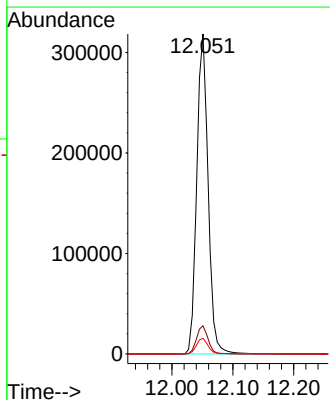
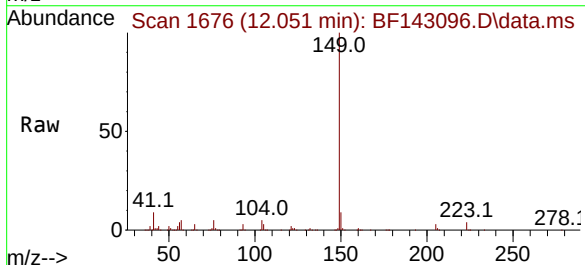
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

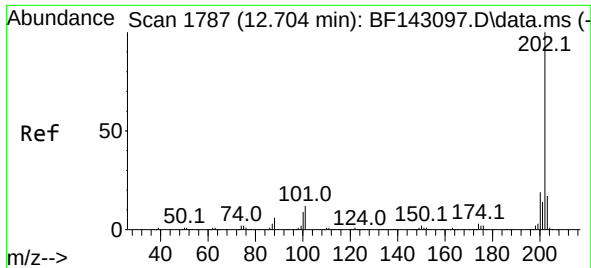
Tgt Ion:167 Resp: 455047
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.4
 139 12.3 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 20.456 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. -0.000 min
 Lab File: BF143096.D
 Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 412206
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.3 10.9
 104 4.9 3.8 5.8

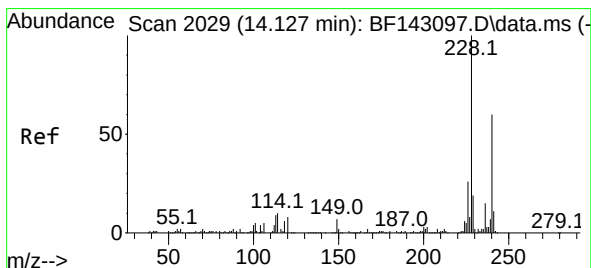
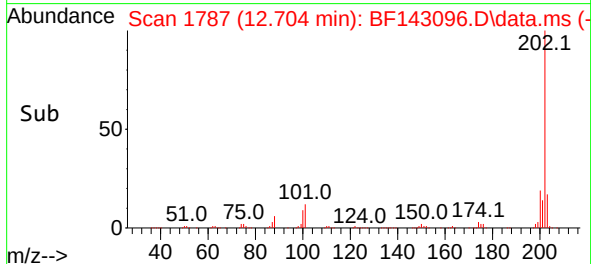
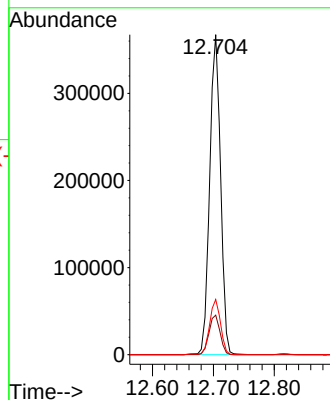
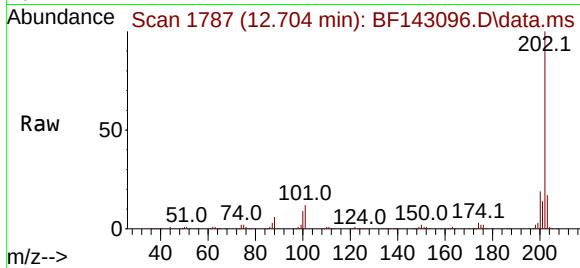




#75
Fluoranthene
Concen: 20.556 ng
RT: 12.704 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

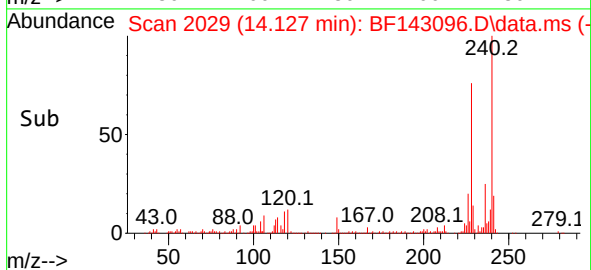
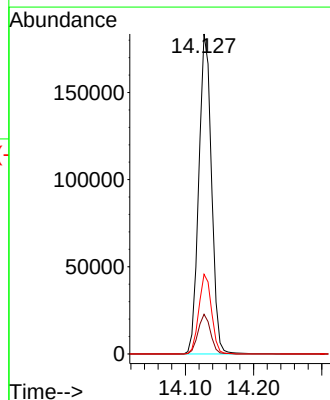
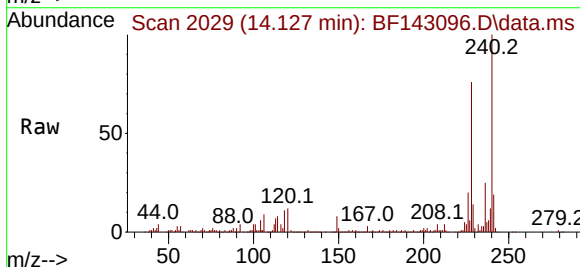
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

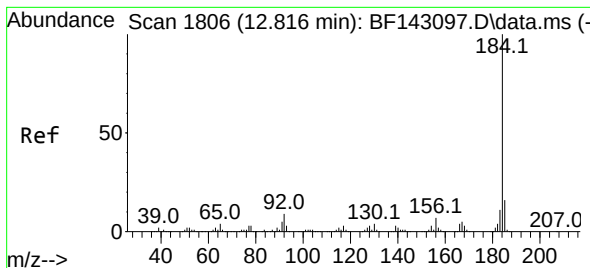
Tgt Ion:202 Resp: 455455
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.4
203 17.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:240 Resp: 236667
Ion Ratio Lower Upper
240 100
120 12.4 10.0 15.0
236 24.9 20.0 30.0





#77

Benzidine

Concen: 23.083 ng

RT: 12.816 min Scan# 1806

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

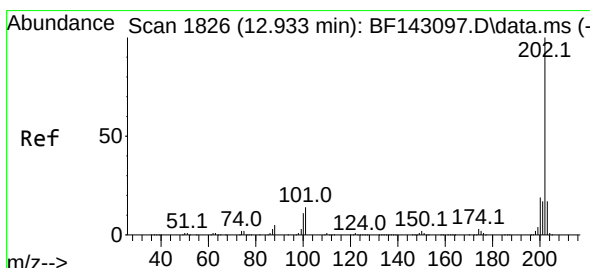
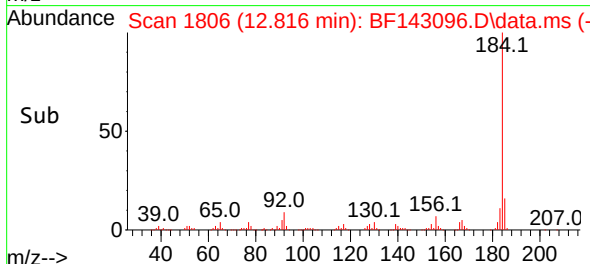
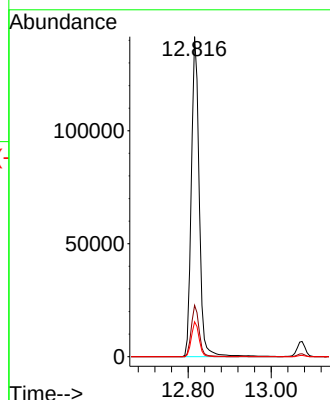
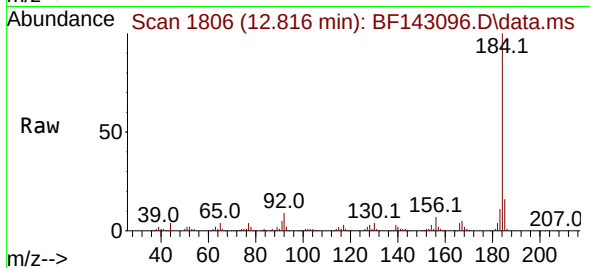
Tgt Ion:184 Resp: 186115

Ion Ratio Lower Upper

184 100

185 16.1 12.4 18.6

183 10.9 8.6 12.8



#78

Pyrene

Concen: 21.072 ng

RT: 12.933 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

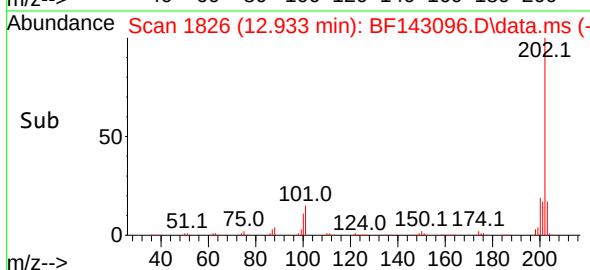
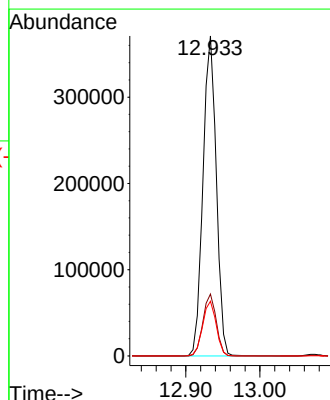
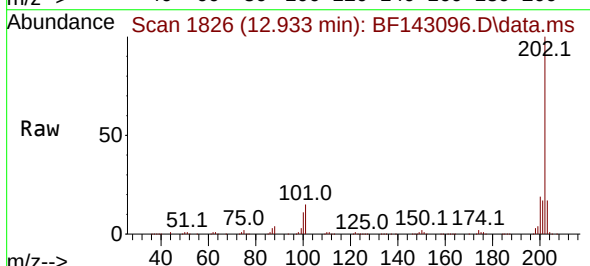
Tgt Ion:202 Resp: 462715

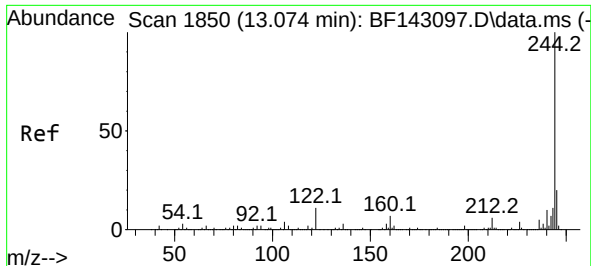
Ion Ratio Lower Upper

202 100

200 19.3 15.5 23.3

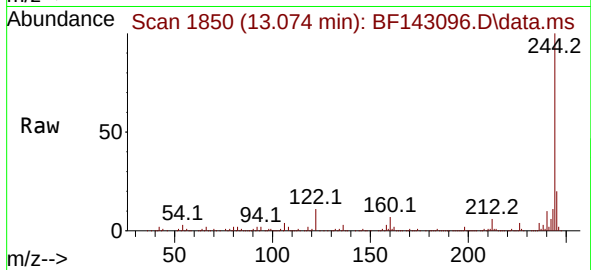
203 17.1 14.0 21.0



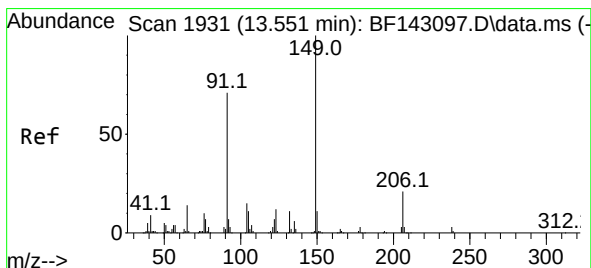
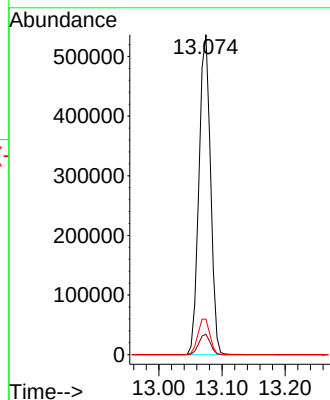
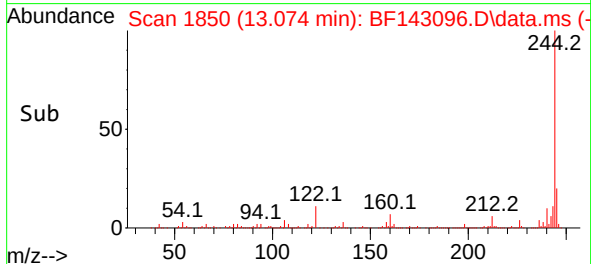


#79
 Terphenyl-d14
 Concen: 42.012 ng
 RT: 13.074 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143096.D
 Acq: 15 Jul 2025 14:36

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

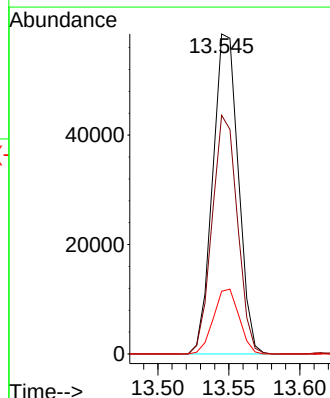
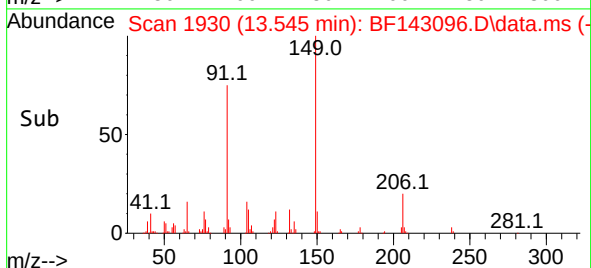
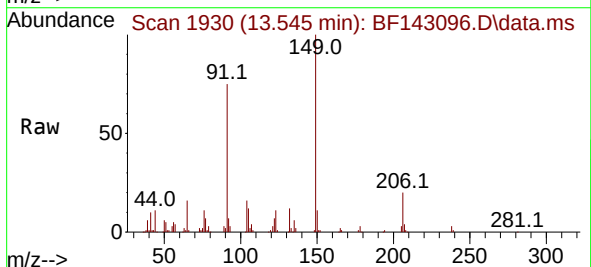


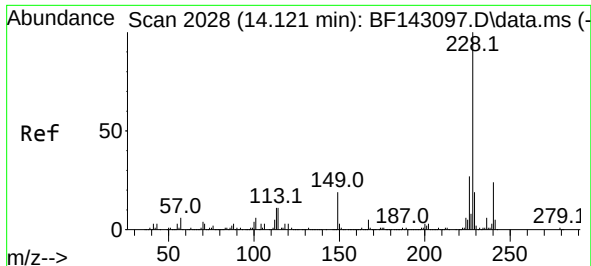
Tgt Ion:244 Resp: 680179
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 11.0 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 18.875 ng
 RT: 13.545 min Scan# 1930
 Delta R.T. -0.006 min
 Lab File: BF143096.D
 Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 73439
 Ion Ratio Lower Upper
 149 100
 91 74.6 57.0 85.4
 206 19.6 17.2 25.8

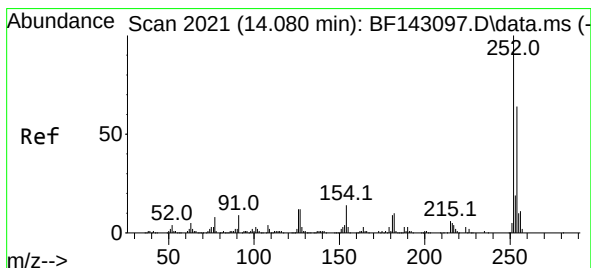
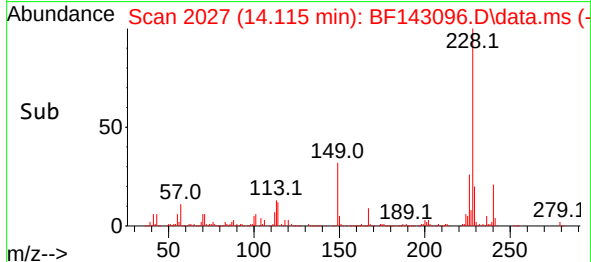
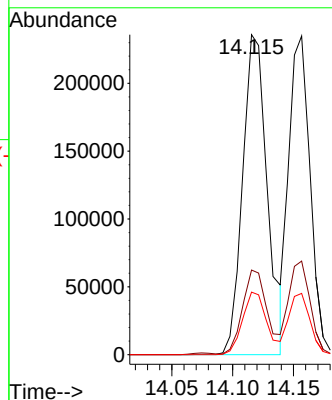
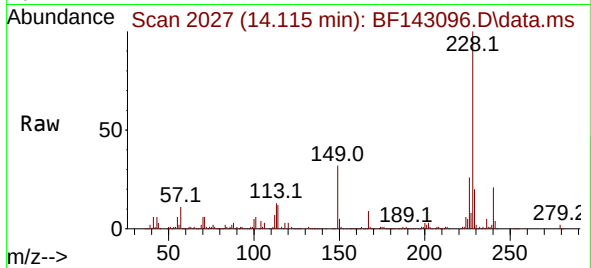




#81
Benzo(a)anthracene
Concen: 21.102 ng
RT: 14.115 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

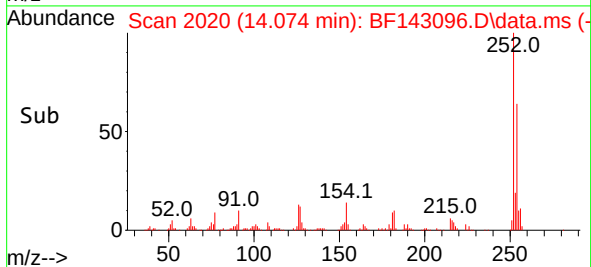
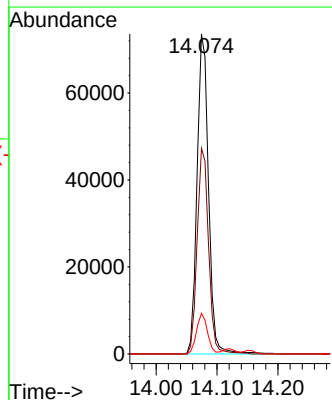
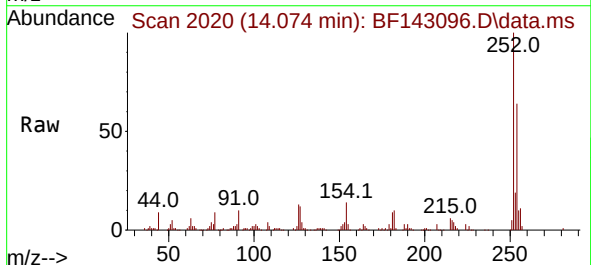
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

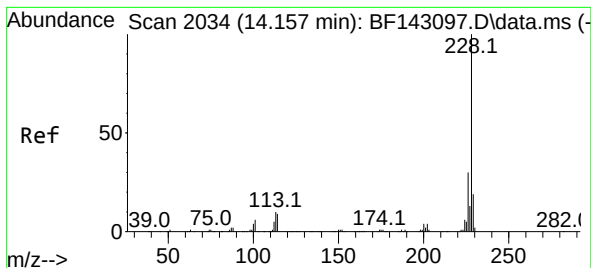
Tgt Ion:228 Resp: 332795
Ion Ratio Lower Upper
228 100
226 26.4 21.3 31.9
229 19.6 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 21.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 96174
Ion Ratio Lower Upper
252 100
254 64.3 51.5 77.3
126 12.7 9.4 14.0





#83

Chrysene

Concen: 19.732 ng

RT: 14.157 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

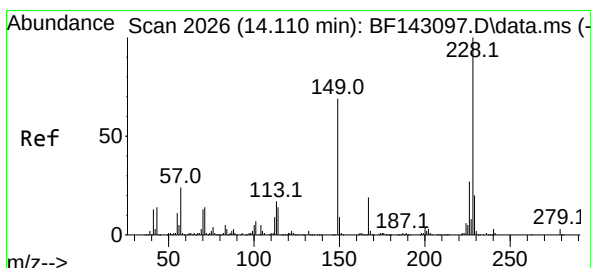
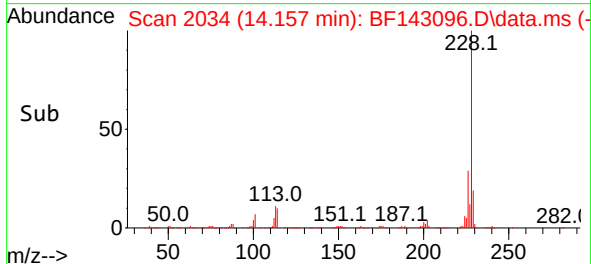
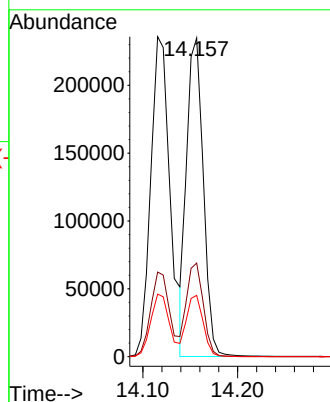
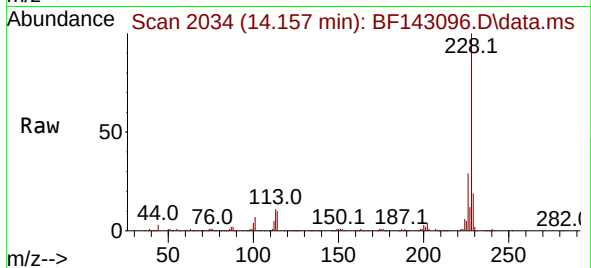
Tgt Ion:228 Resp: 286610

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

229 19.2 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 19.236 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

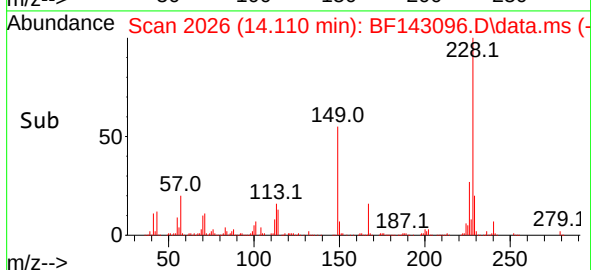
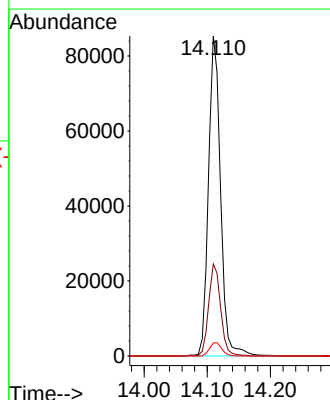
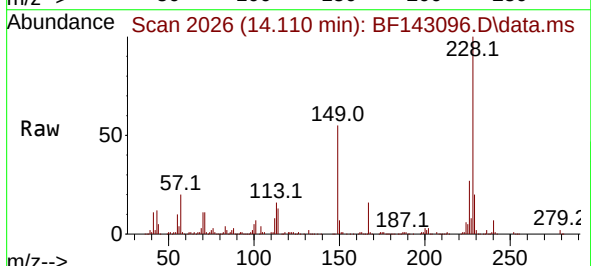
Tgt Ion:149 Resp: 113349

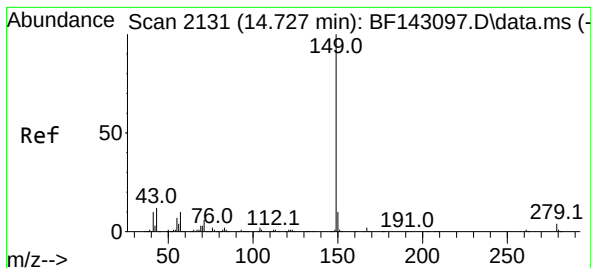
Ion Ratio Lower Upper

149 100

167 28.8 21.9 32.9

279 4.0 3.4 5.0

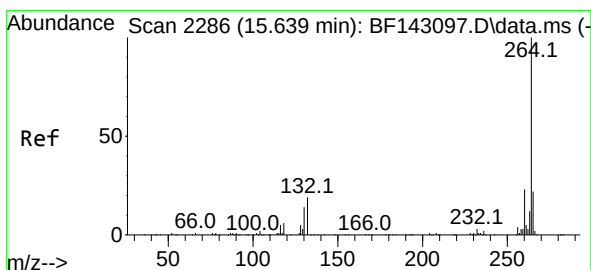
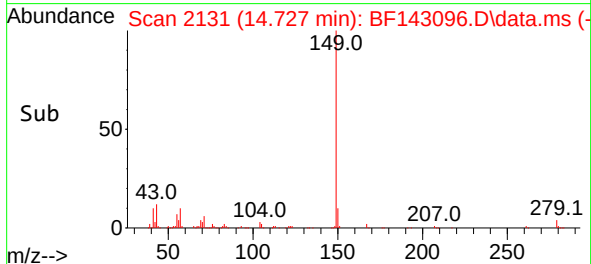
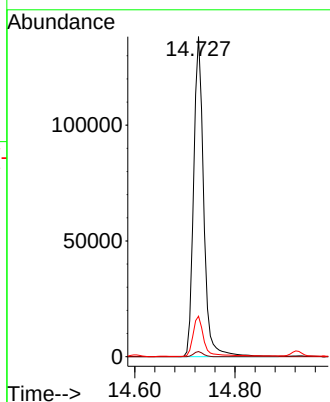
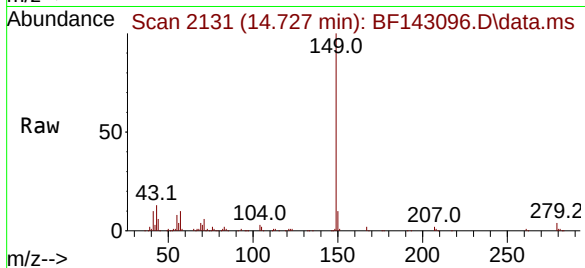




#85
Di-n-octyl phthalate
Concen: 19.817 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

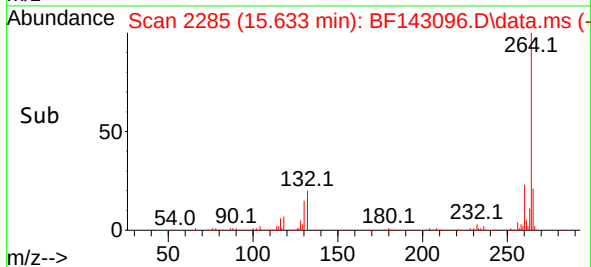
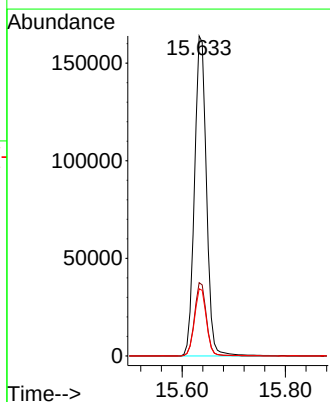
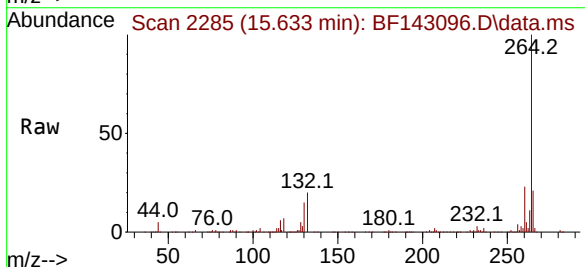
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

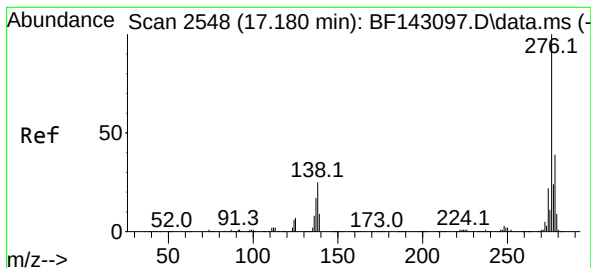
Tgt Ion:149 Resp: 192002
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 13.7 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:264 Resp: 262419
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.516 ng

RT: 17.174 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

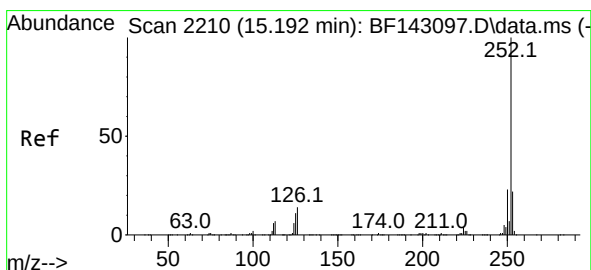
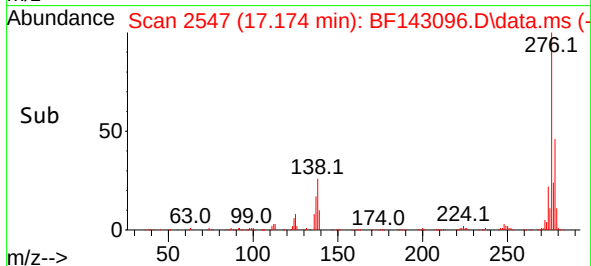
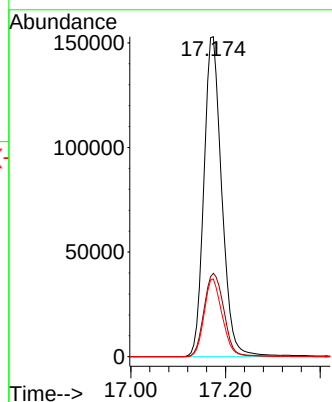
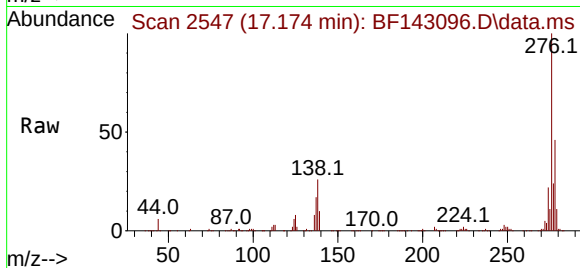
Tgt Ion:276 Resp: 400422

Ion Ratio Lower Upper

276 100

138 29.1 22.6 34.0

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 20.302 ng

RT: 15.186 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF143096.D

Acq: 15 Jul 2025 14:36

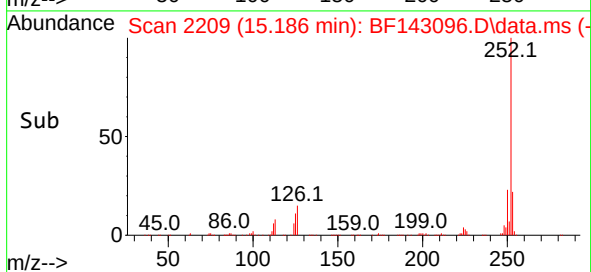
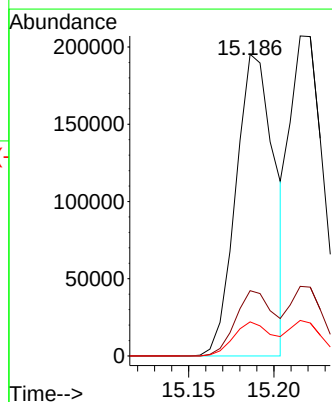
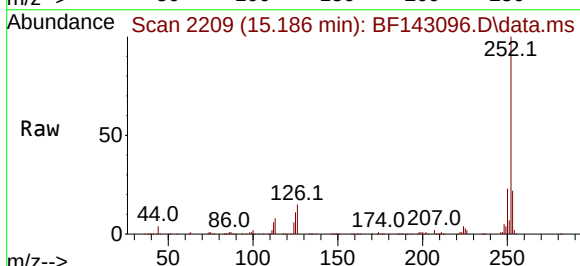
Tgt Ion:252 Resp: 307312

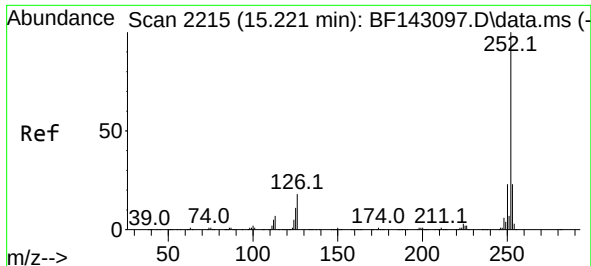
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

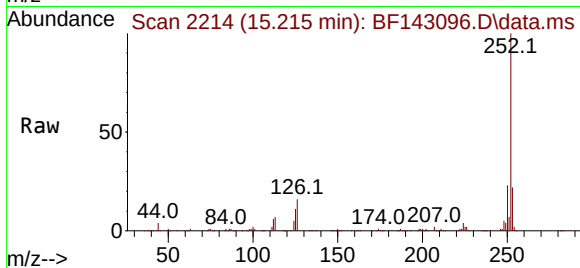
125 11.3 8.6 13.0



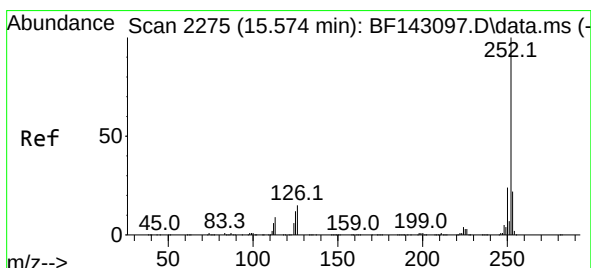
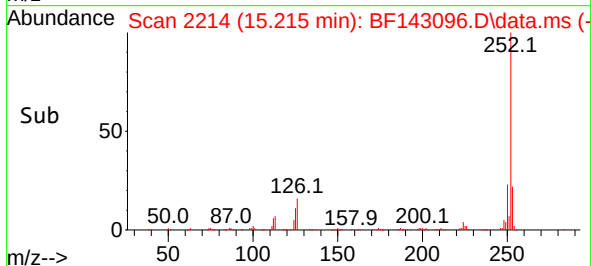
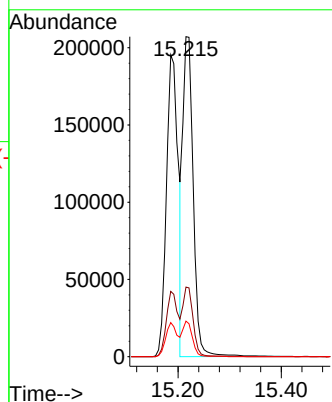


#89
Benzo(k)fluoranthene
Concen: 20.194 ng
RT: 15.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

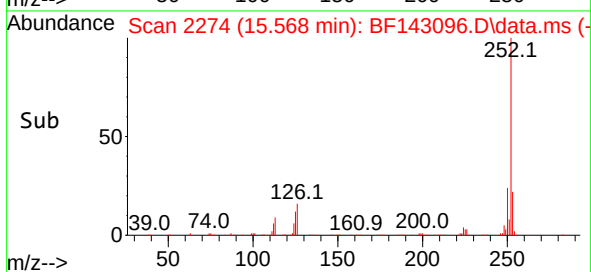
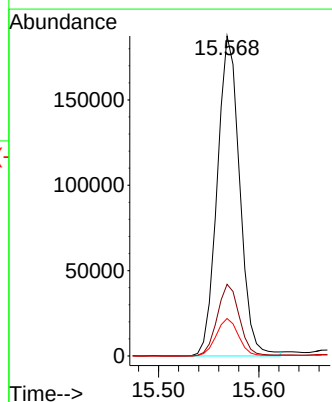
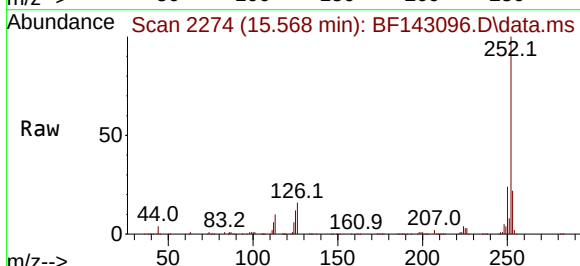


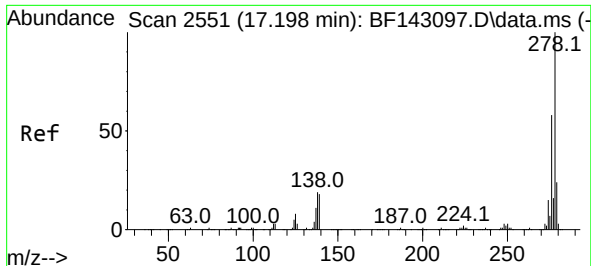
Tgt Ion:252 Resp: 291618
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 11.1 8.5 12.7



#90
Benzo(a)pyrene
Concen: 20.313 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 290809
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.7 9.4 14.0

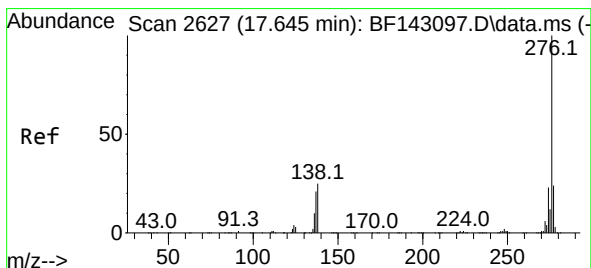
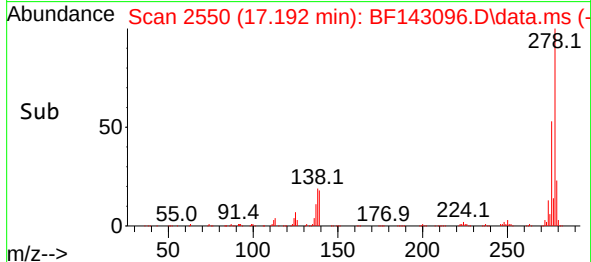
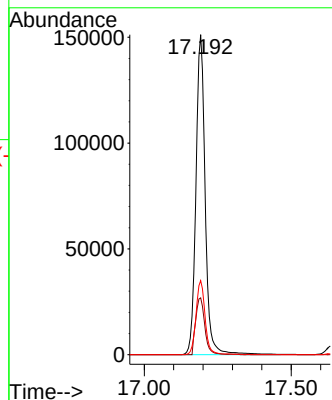
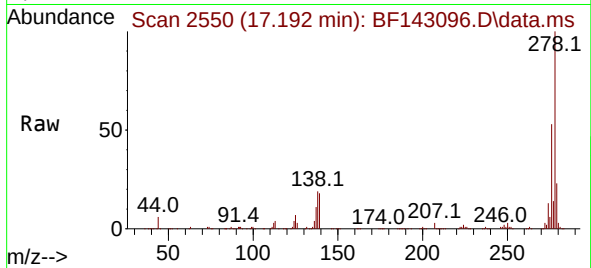




#91
Dibenzo(a,h)anthracene
Concen: 20.818 ng
RT: 17.192 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

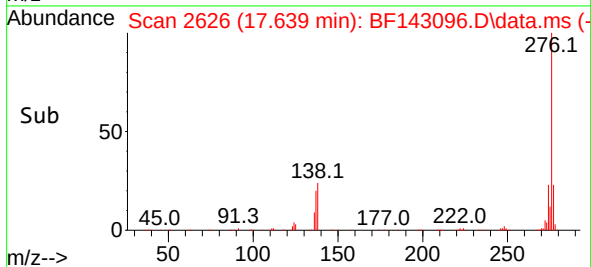
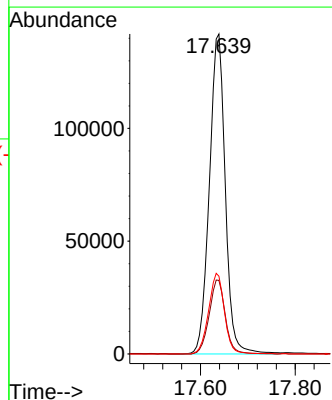
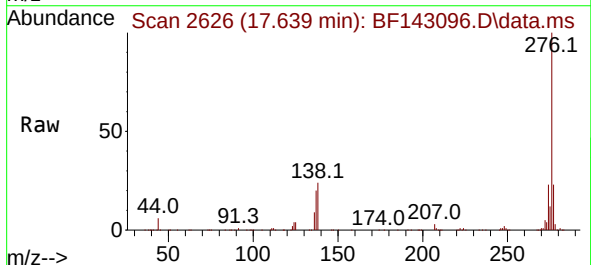
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 332152
Ion Ratio Lower Upper
278 100
139 17.7 14.6 22.0
279 23.1 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 20.376 ng
RT: 17.639 min Scan# 2626
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:276 Resp: 331447
Ion Ratio Lower Upper
276 100
277 23.0 19.2 28.8
138 24.3 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143097.D
 Acq On : 15 Jul 2025 15:05
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jul 15 17:40:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	123440	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	466428	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	227730	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	369241	20.000	ng	0.00
76) Chrysene-d12	14.127	240	192349	20.000	ng	0.00
86) Perylene-d12	15.639	264	226517	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	619840	79.335	ng	0.00
7) Phenol-d6	6.587	99	772641	78.673	ng	0.00
23) Nitrobenzene-d5	7.528	82	725222	87.221	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	170969	84.198	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1326482	77.428	ng	0.00
79) Terphenyl-d14	13.074	244	1033540	78.547	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	154739	39.787	ng	100
3) Pyridine	3.581	79	393514	39.957	ng	100
4) n-Nitrosodimethylamine	3.522	42	201552	39.500	ng	100
6) Aniline	6.628	93	544405	39.365	ng	100
8) 2-Chlorophenol	6.751	128	314192	40.025	ng	100
9) Benzaldehyde	6.516	77	358216	47.869	ng	100
10) Phenol	6.598	94	447943	42.133	ng	100
11) bis(2-Chloroethyl)ether	6.698	93	323129	39.260	ng	100
12) 1,3-Dichlorobenzene	6.910	146	349154	39.371	ng	100
13) 1,4-Dichlorobenzene	6.987	146	348706	39.084	ng	100
14) 1,2-Dichlorobenzene	7.140	146	336818	39.587	ng	100
15) Benzyl Alcohol	7.098	79	288056	39.585	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.239	45	593735	39.134	ng	100
17) 2-Methylphenol	7.204	107	267472	39.484	ng	100
18) Hexachloroethane	7.487	117	116640	40.159	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	237958	39.549	ng	100
20) 3+4-Methylphenols	7.363	107	334719	40.291	ng	100
22) Acetophenone	7.375	105	437447	38.906	ng	100
24) Nitrobenzene	7.545	77	332013	41.364	ng	100
25) Isophorone	7.787	82	632327	39.346	ng	100
26) 2-Nitrophenol	7.863	139	112314	36.079	ng	100
27) 2,4-Dimethylphenol	7.892	122	298241	39.984	ng	100
28) bis(2-Chloroethoxy)met...	7.992	93	381576	39.155	ng	100
29) 2,4-Dichlorophenol	8.098	162	248676	40.752	ng	100
30) 1,2,4-Trichlorobenzene	8.192	180	274944	39.701	ng	100
31) Naphthalene	8.275	128	900967	38.898	ng	100
32) Benzoic acid	7.987	122	120551	34.562	ng	100
33) 4-Chloroaniline	8.310	127	371249	39.858	ng	100
34) Hexachlorobutadiene	8.392	225	165576	39.978	ng	100
35) Caprolactam	8.669	113	77472	40.657	ng	100
36) 4-Chloro-3-methylphenol	8.786	107	272885	40.145	ng	100
37) 2-Methylnaphthalene	8.963	142	540844	39.141	ng	100
38) 1-Methylnaphthalene	9.063	142	562696	39.263	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	263160	39.653	ng	100
41) Hexachlorocyclopentadiene	9.122	237	147221	40.011	ng	100
43) 2,4,6-Trichlorophenol	9.233	196	171419	41.569	ng	100

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 Data File : BF143097.D
 Acq On : 15 Jul 2025 15:05
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

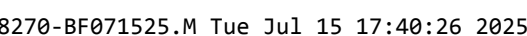
Instrument :
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 ClientSampleId :
 SSTDICCC040

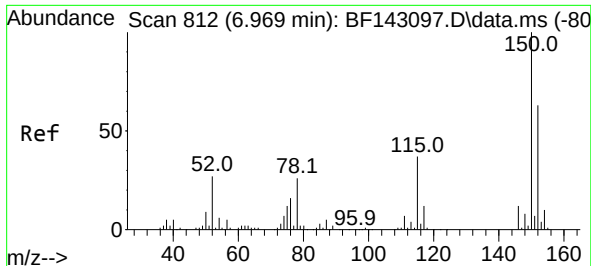
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	179101	41.422	ng	100
46) 1,1'-Biphenyl	9.428	154	713513	39.288	ng	100
47) 2-Chloronaphthalene	9.451	162	527800	39.561	ng	100
48) 2-Nitroaniline	9.533	65	149322	38.182	ng	100
49) Acenaphthylene	9.869	152	892054	40.126	ng	100
50) Dimethylphthalate	9.722	163	572658	39.971	ng	100
51) 2,6-Dinitrotoluene	9.775	165	106468	38.213	ng	100
52) Acenaphthene	10.039	154	513370	39.131	ng	100
53) 3-Nitroaniline	9.945	138	130953	42.301	ng	100
54) 2,4-Dinitrophenol	10.045	184	31236	37.582	ng	100
55) Dibenzofuran	10.210	168	772862	39.524	ng	100
56) 4-Nitrophenol	10.086	139	101948	41.436	ng	100
57) 2,4-Dinitrotoluene	10.180	165	134243	38.682	ng	100
58) Fluorene	10.551	166	567511	38.710	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	142027	41.334	ng	100
60) Diethylphthalate	10.422	149	557712	40.349	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	279817	39.822	ng	100
62) 4-Nitroaniline	10.557	138	113355	42.106	ng	100
63) Azobenzene	10.704	77	604710	39.558	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	47349	37.223	ng	100
66) n-Nitrosodiphenylamine	10.657	169	503590	38.827	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	164133	39.088	ng	100
68) Hexachlorobenzene	11.104	284	173911	39.034	ng	100
69) Atrazine	11.180	200	133416	40.206	ng	100
70) Pentachlorophenol	11.292	266	97625	39.938	ng	100
71) Phenanthrene	11.516	178	769372	38.609	ng	100
72) Anthracene	11.569	178	780754	38.961	ng	100
73) Carbazole	11.716	167	692468	38.572	ng	100
74) Di-n-butylphthalate	12.051	149	680394	41.288	ng	100
75) Fluoranthene	12.704	202	708736	39.115	ng	100
77) Benzidine	12.816	184	321029	48.989	ng	100
78) Pyrene	12.933	202	708631	39.706	ng	100
80) Butylbenzylphthalate	13.551	149	132061	37.625	ng	100
81) Benzo(a)anthracene	14.121	228	518137	40.424	ng	100
82) 3,3'-Dichlorobenzidine	14.080	252	148294	39.841	ng	100
83) Chrysene	14.157	228	461979	39.134	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	198176	37.454	ng	100
85) Di-n-octyl phthalate	14.727	149	354747	36.531	ng	100
87) Indeno(1,2,3-cd)pyrene	17.180	276	689277	40.912	ng	100
88) Benzo(b)fluoranthene	15.192	252	490240	37.520	ng	100
89) Benzo(k)fluoranthene	15.221	252	520058	41.721	ng	100
90) Benzo(a)pyrene	15.574	252	509307	41.215	ng	100
91) Dibenzo(a,h)anthracene	17.198	278	561661	40.782	ng	100
92) Benzo(g,h,i)perylene	17.645	276	569850	40.584	ng	100

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

Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

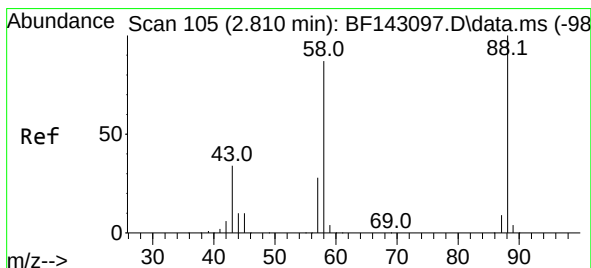
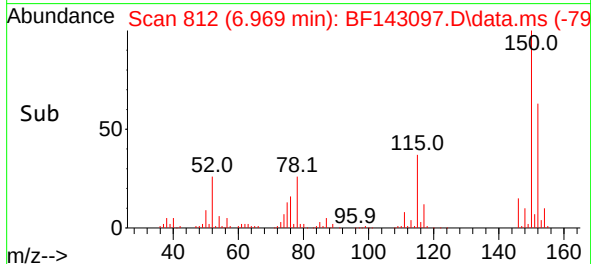
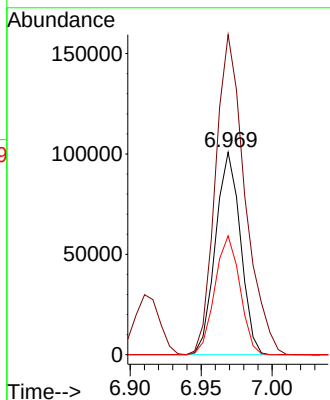
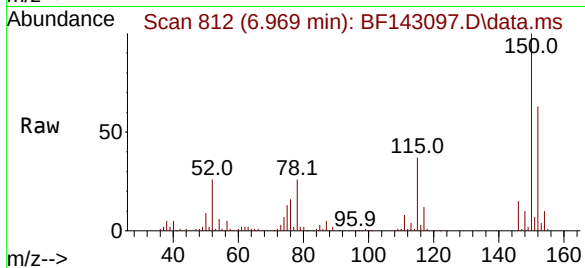




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

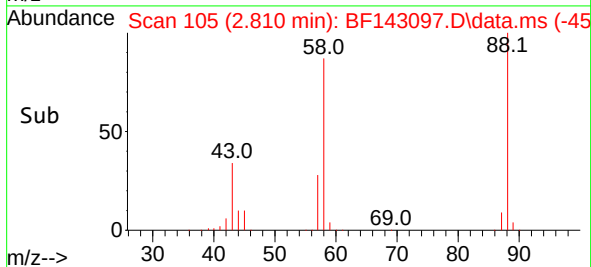
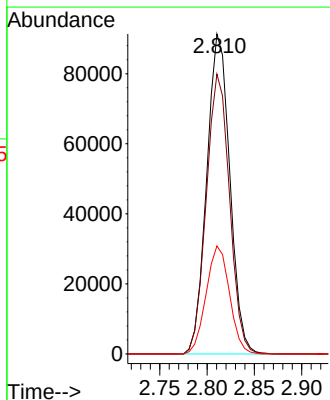
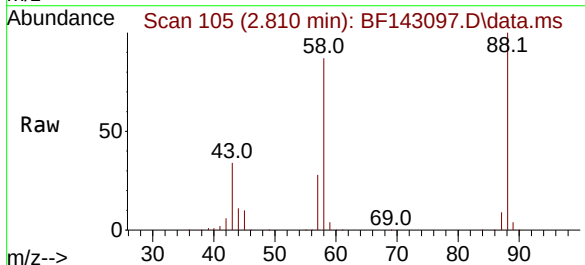
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BNA_F
ClientSampleId :
SSTDICCC040

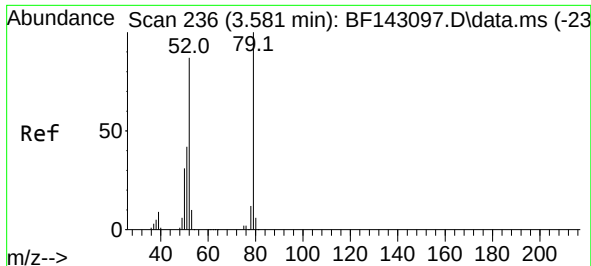
Tgt Ion:152 Resp: 123440
Ion Ratio Lower Upper
152 100
150 158.1 126.5 189.7
115 58.8 47.0 70.6



#2
1,4-Dioxane
Concen: 39.787 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 88 Resp: 154739
Ion Ratio Lower Upper
88 100
58 88.1 70.5 105.7
43 34.1 27.3 40.9





#3

Pyridine

Concen: 39.957 ng

RT: 3.581 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

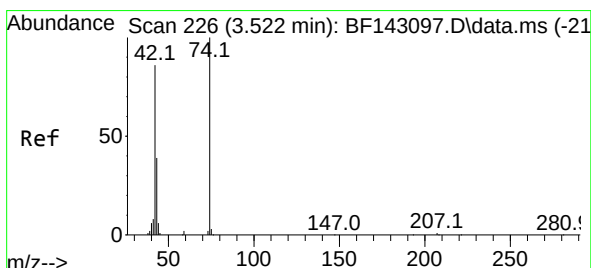
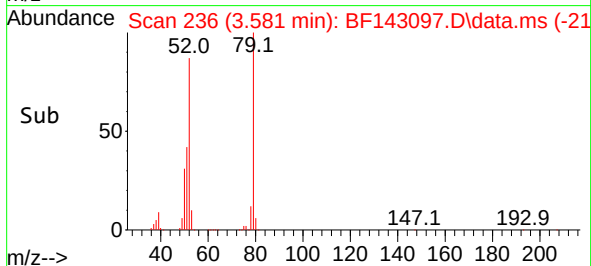
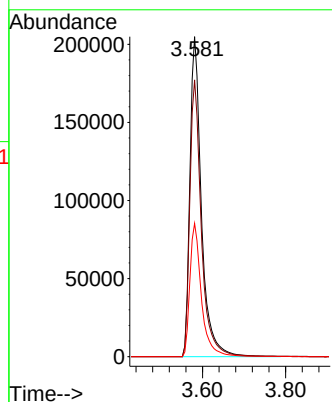
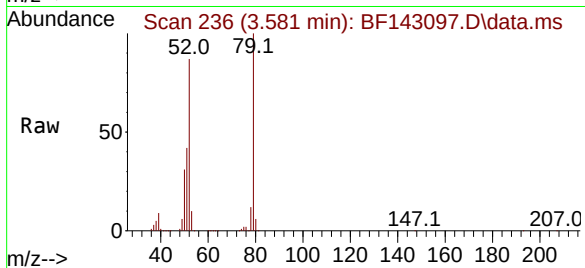
Tgt Ion: 79 Resp: 393514

Ion Ratio Lower Upper

79 100

52 86.5 69.2 103.8

51 41.6 33.3 49.9



#4

n-Nitrosodimethylamine

Concen: 39.500 ng

RT: 3.522 min Scan# 226

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

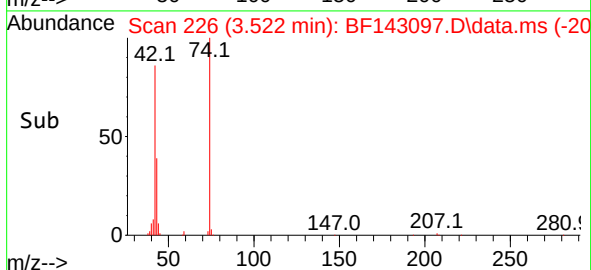
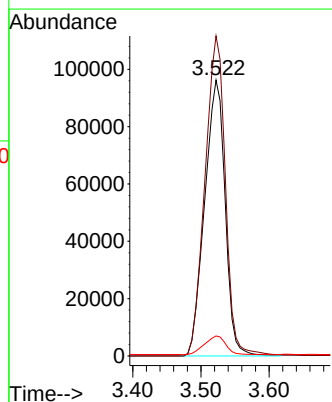
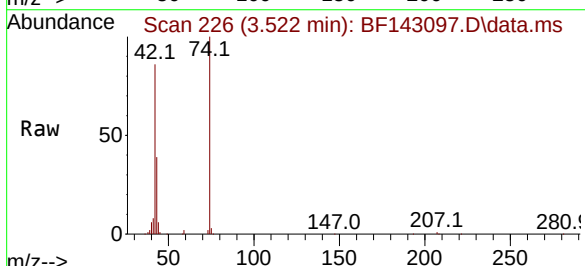
Tgt Ion: 42 Resp: 201552

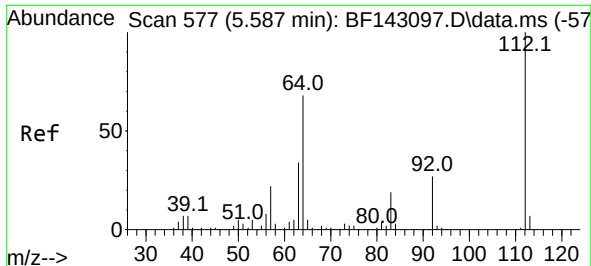
Ion Ratio Lower Upper

42 100

74 116.0 92.8 139.2

44 7.2 5.8 8.6

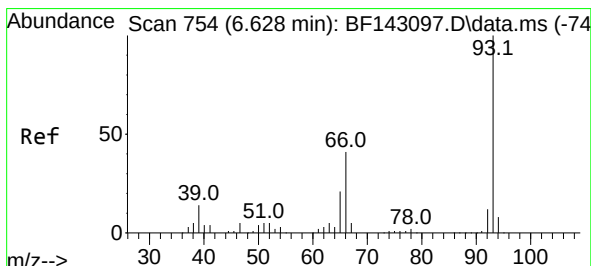
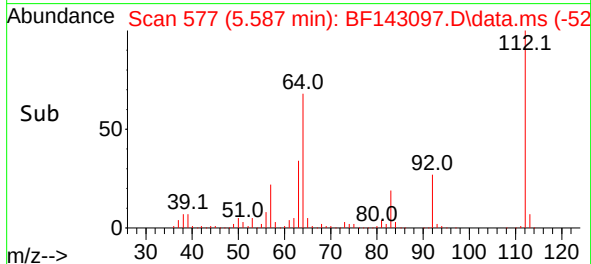
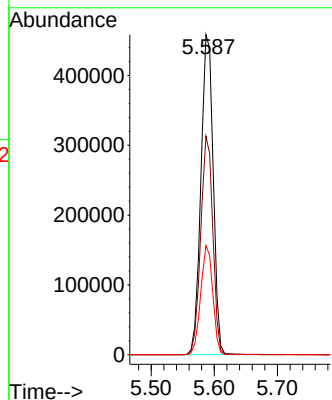
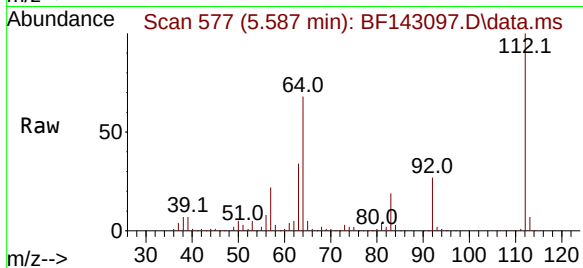




#5
2-Fluorophenol
Concen: 79.335 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

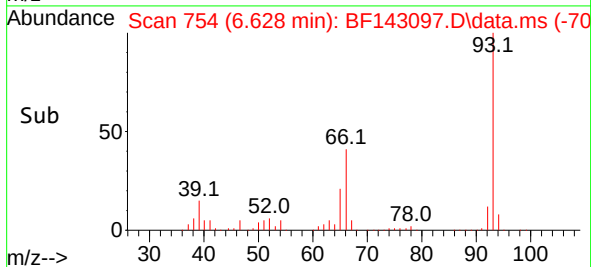
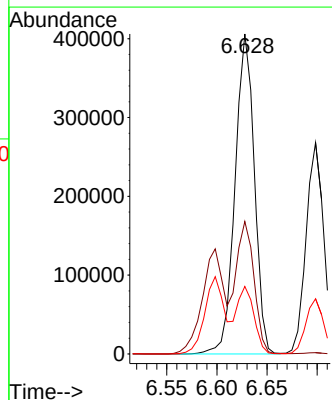
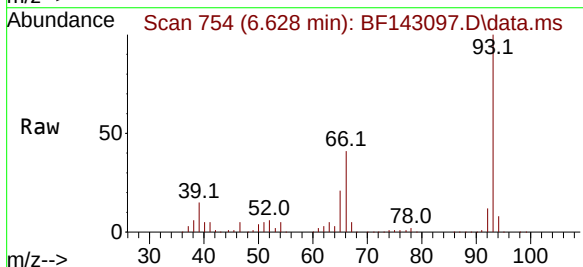
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

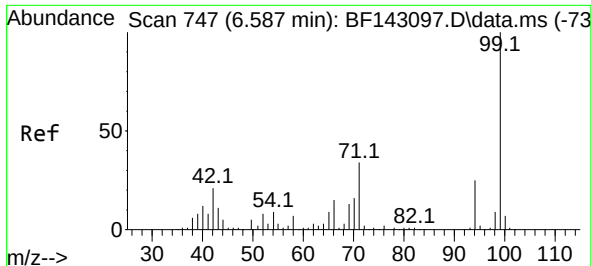
Tgt Ion:112 Resp: 619840
Ion Ratio Lower Upper
112 100
64 68.3 54.6 82.0
63 34.1 27.3 40.9



#6
Aniline
Concen: 39.365 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 93 Resp: 544405
Ion Ratio Lower Upper
93 100
66 41.4 33.1 49.7
65 21.1 16.9 25.3

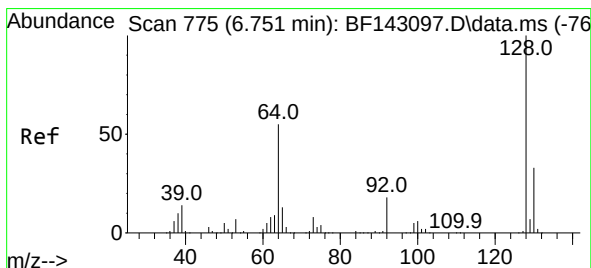
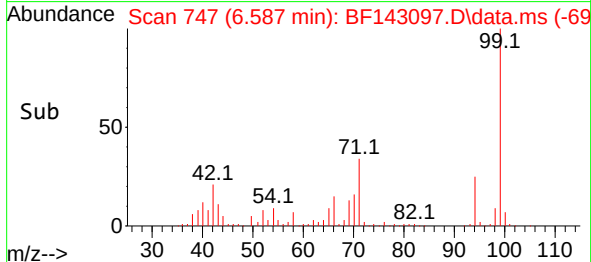
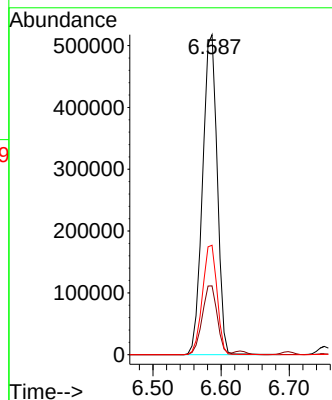
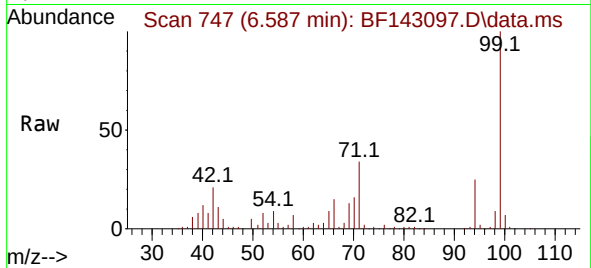




#7
Phenol-d6
Concen: 78.673 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

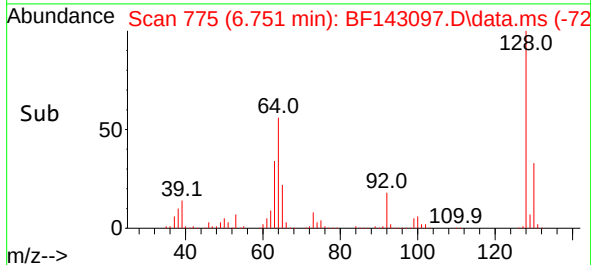
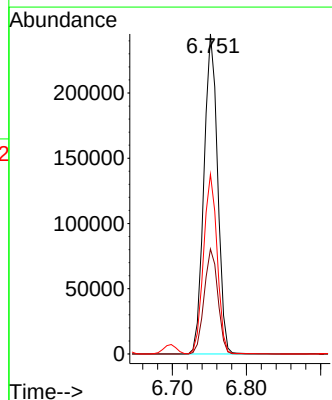
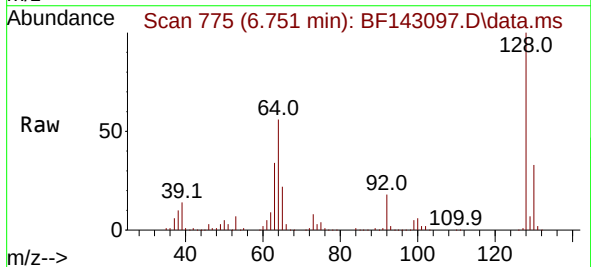
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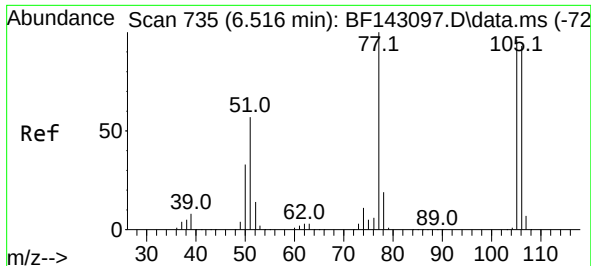
Tgt Ion: 99 Resp: 772641
Ion Ratio Lower Upper
99 100
42 21.5 17.2 25.8
71 34.2 27.4 41.0



#8
2-Chlorophenol
Concen: 40.025 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:128 Resp: 314192
Ion Ratio Lower Upper
128 100
130 32.8 12.8 52.8
64 56.1 36.1 76.1





#9

Benzaldehyde

Concen: 47.869 ng

RT: 6.516 min Scan# 714

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

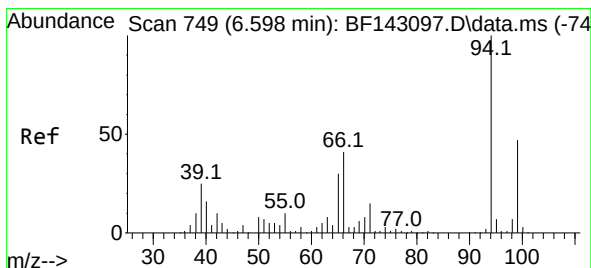
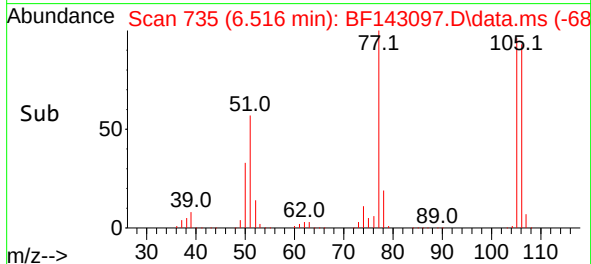
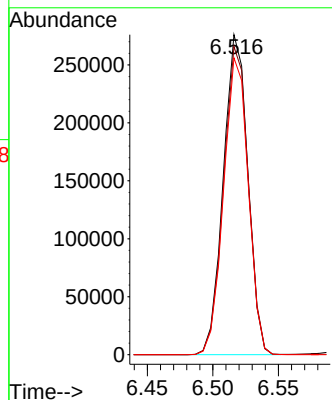
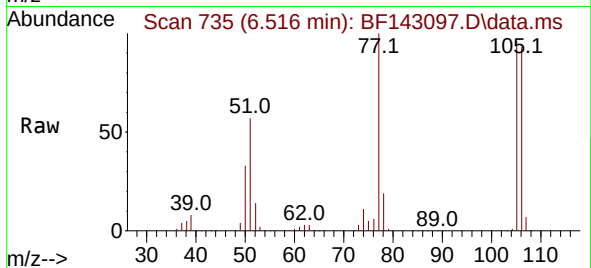
Tgt Ion: 77 Resp: 358216

Ion Ratio Lower Upper

77 100

105 96.3 76.3 116.3

106 92.8 72.8 112.8



#10

Phenol

Concen: 42.133 ng

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

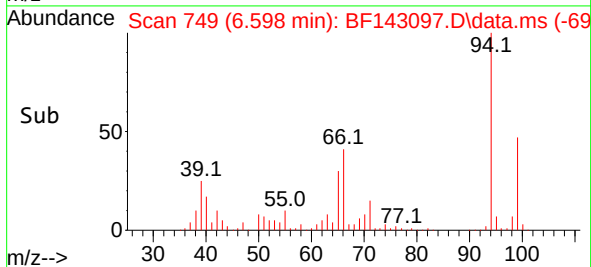
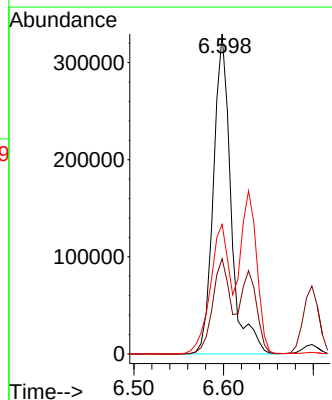
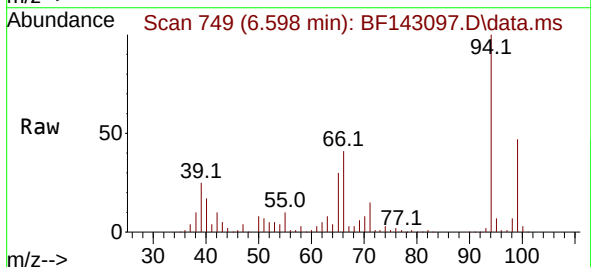
Tgt Ion: 94 Resp: 447943

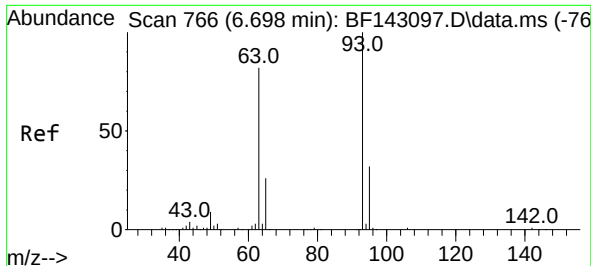
Ion Ratio Lower Upper

94 100

65 29.8 9.8 49.8

66 40.5 20.5 60.5

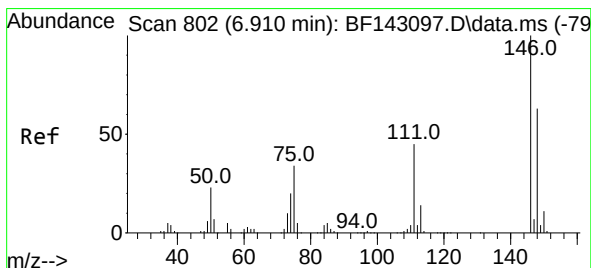
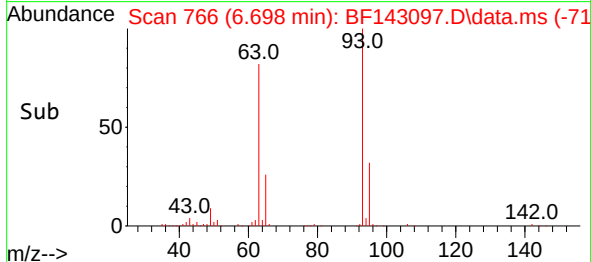
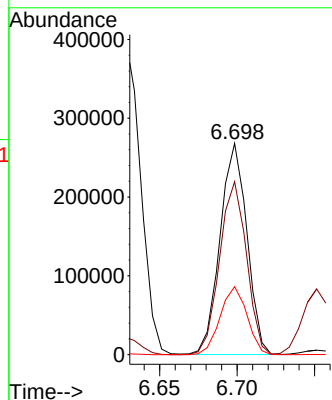
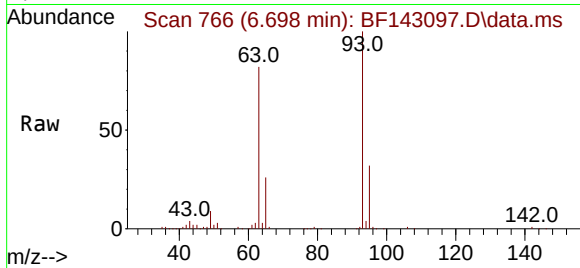




#11
bis(2-Chloroethyl)ether
Concen: 39.260 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

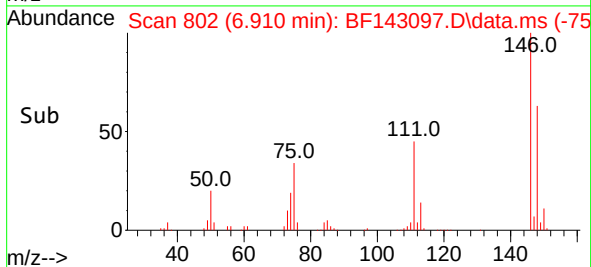
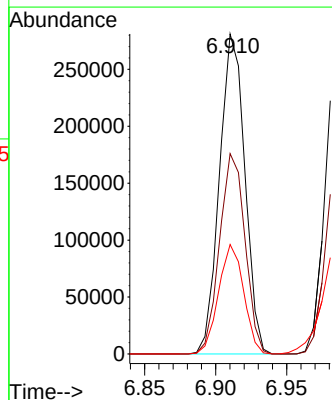
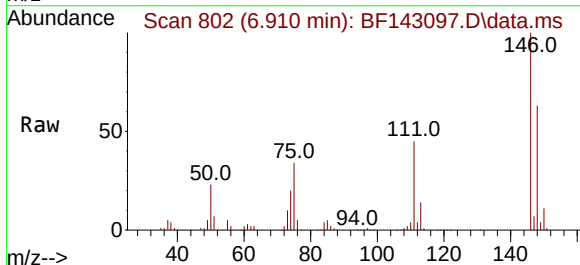
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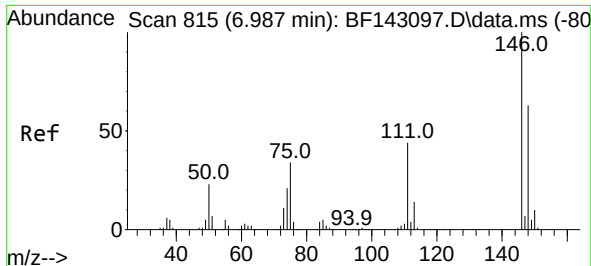
Tgt Ion: 93 Resp: 323129
Ion Ratio Lower Upper
93 100
63 81.9 61.9 101.9
95 32.2 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 39.371 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 146 Resp: 349154
Ion Ratio Lower Upper
146 100
148 62.6 50.1 75.1
75 34.2 27.4 41.0

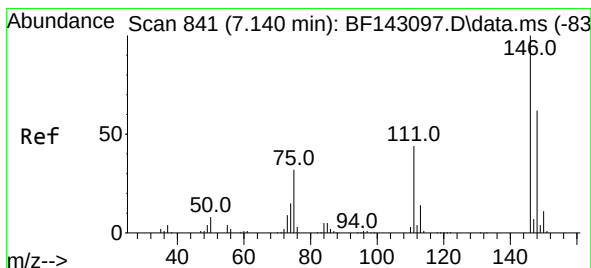
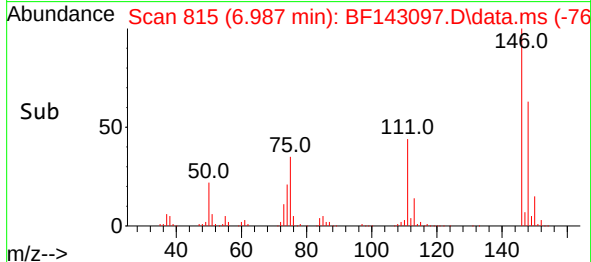
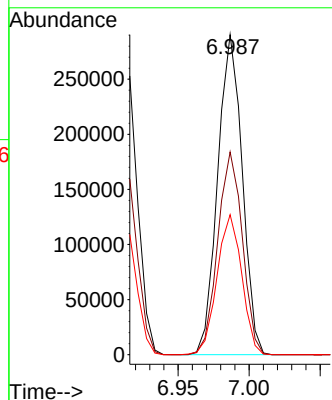
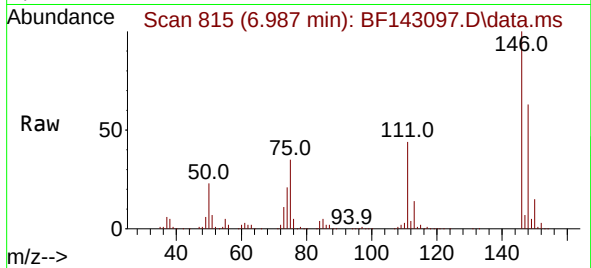




#13
1,4-Dichlorobenzene
Concen: 39.084 ng
RT: 6.987 min Scan# 815
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

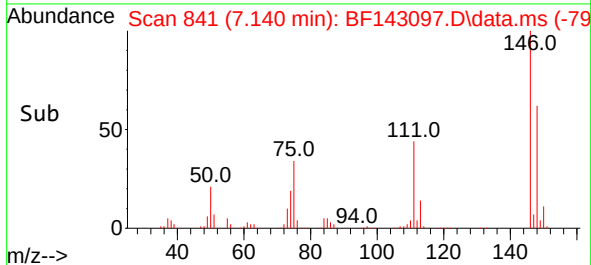
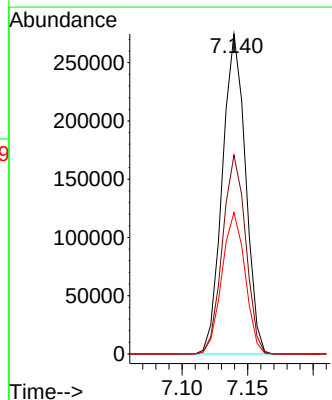
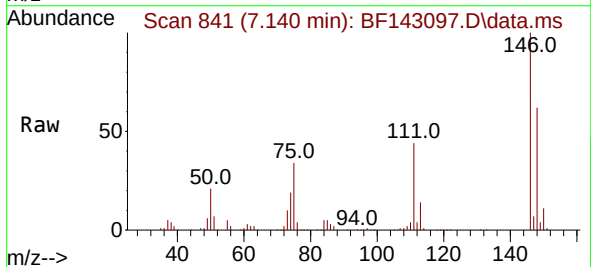
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

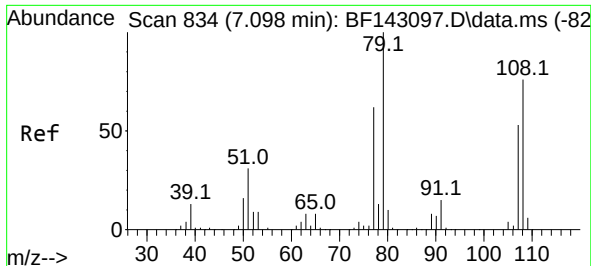
Tgt Ion:146 Resp: 348706
Ion Ratio Lower Upper
146 100
148 63.3 50.6 76.0
111 43.8 35.0 52.6



#14
1,2-Dichlorobenzene
Concen: 39.587 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:146 Resp: 336818
Ion Ratio Lower Upper
146 100
148 62.2 49.8 74.6
111 44.2 35.4 53.0

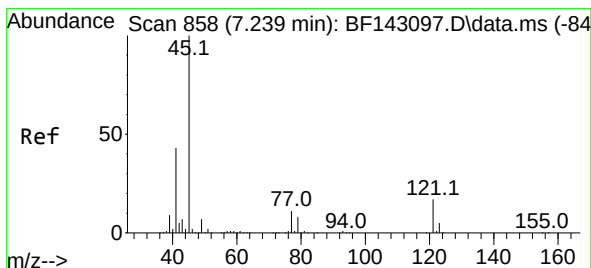
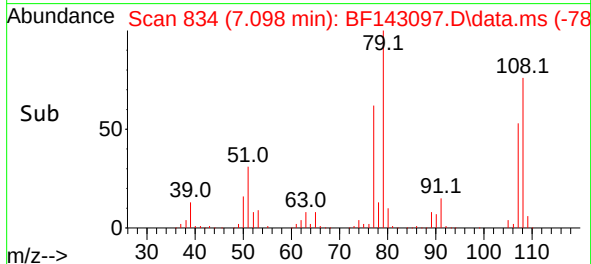
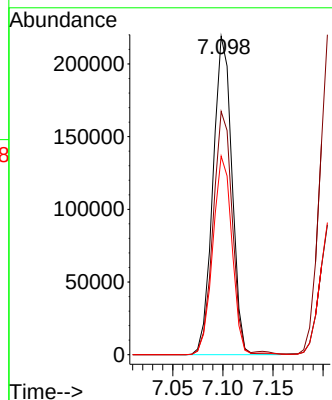
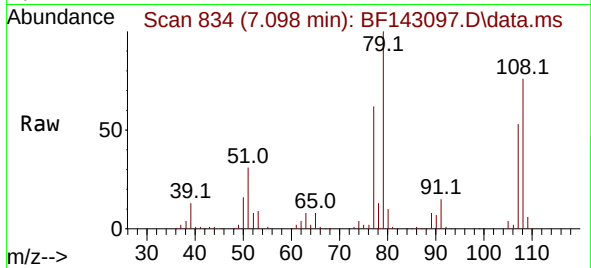




#15
Benzyl Alcohol
Concen: 39.585 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

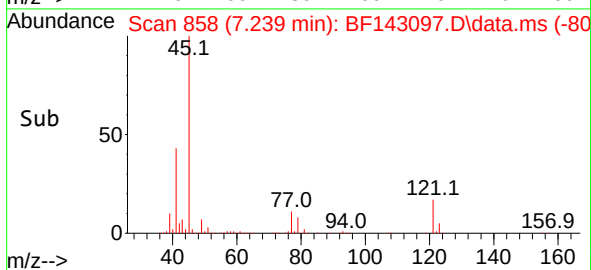
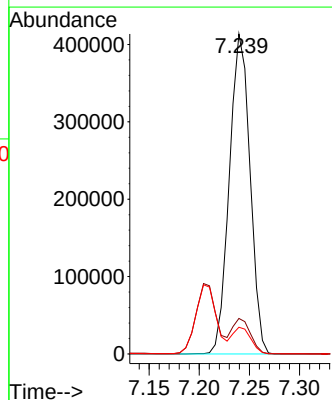
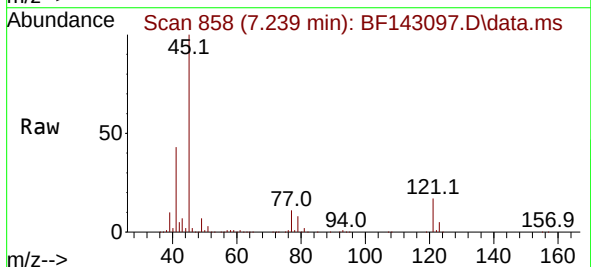
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

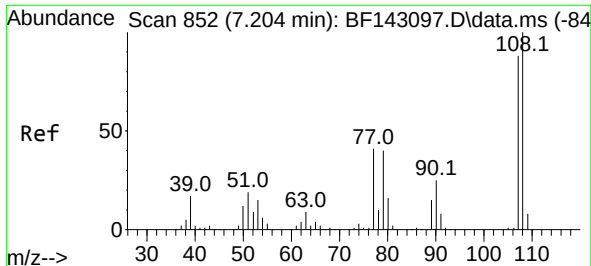
Tgt Ion: 79 Resp: 288056
Ion Ratio Lower Upper
79 100
108 76.4 61.1 91.7
77 62.4 49.9 74.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 39.134 ng
RT: 7.239 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 45 Resp: 593735
Ion Ratio Lower Upper
45 100
77 11.1 0.0 31.1
79 8.4 0.0 28.4

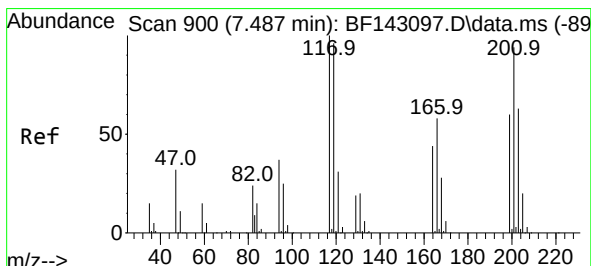
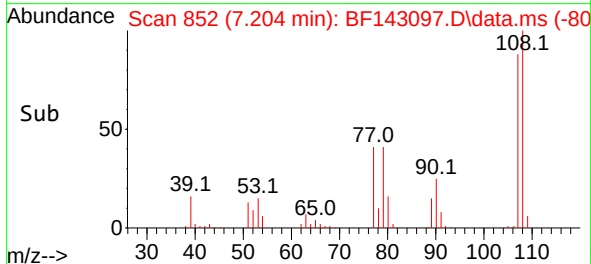
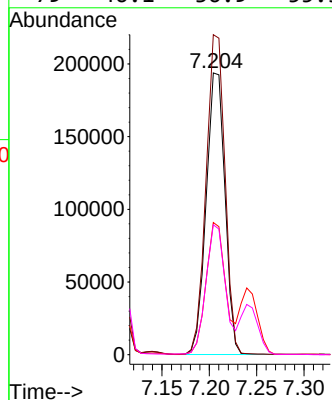
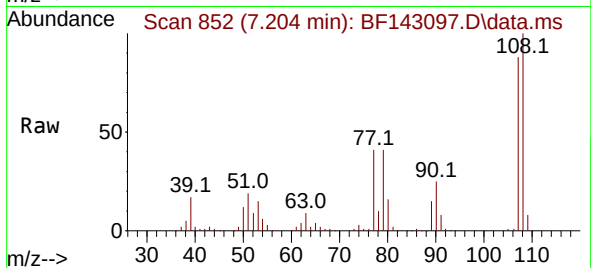




#17
2-Methylphenol
Concen: 39.484 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

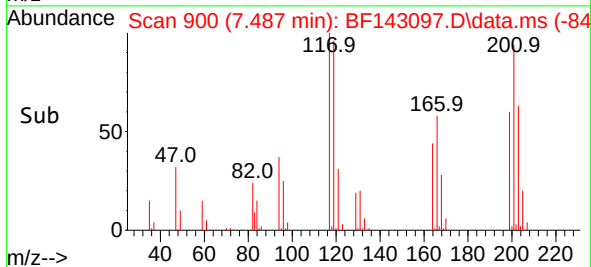
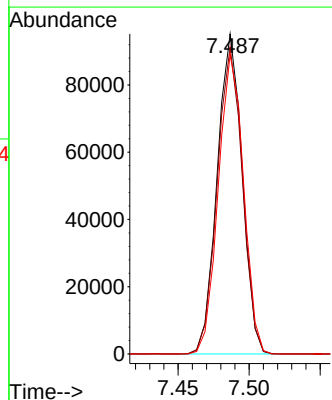
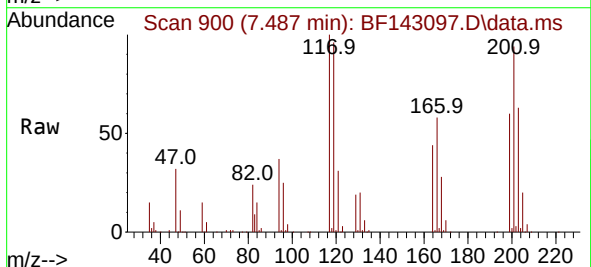
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

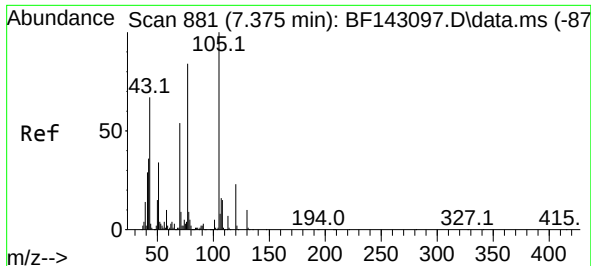
Tgt Ion:	107	Resp:	267472
Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.9	136.3
77	46.9	37.5	56.3
79	46.1	36.9	55.3



#18
Hexachloroethane
Concen: 40.159 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:	117	Resp:	116640
Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
201	93.7	75.0	112.4



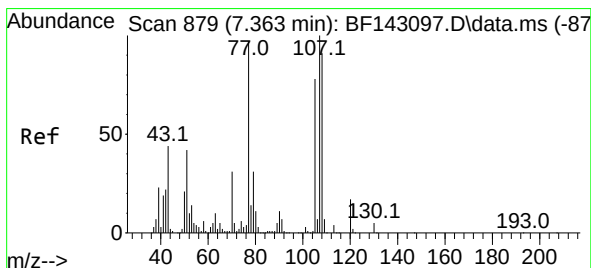
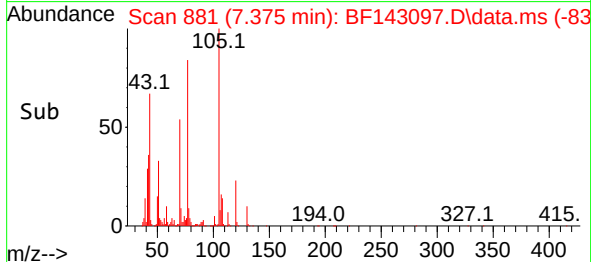
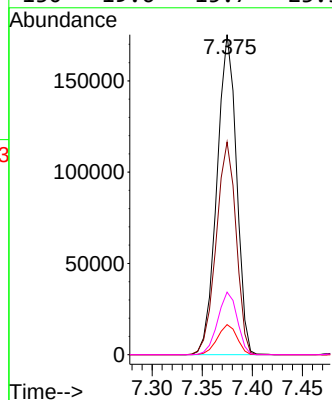
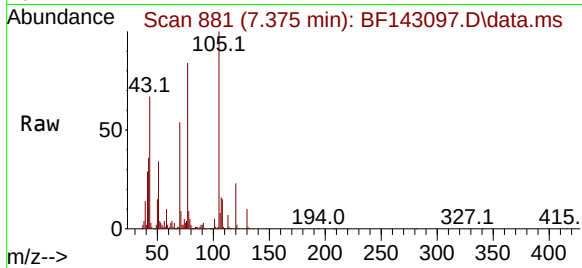


#19
n-Nitroso-di-n-propylamine
Concen: 39.549 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 237958

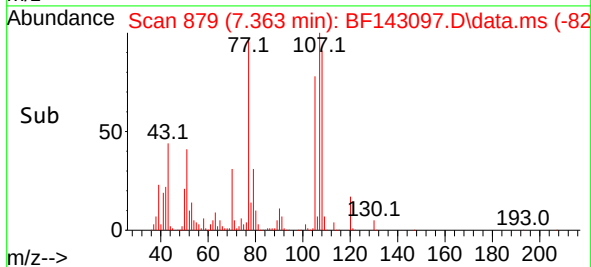
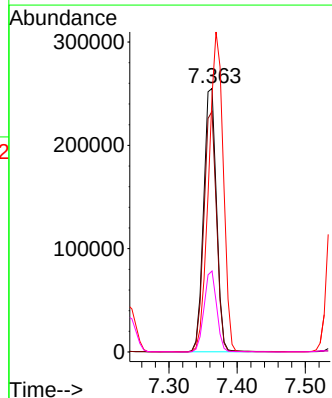
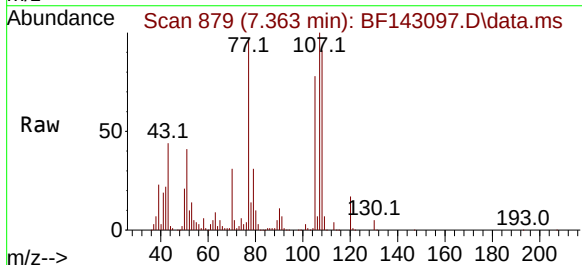
Ion	Ratio	Lower	Upper
70	100		
42	66.5	53.2	79.8
101	9.4	7.5	11.3
130	19.6	15.7	23.5

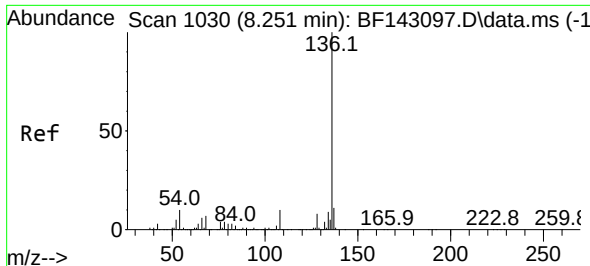


#20
3+4-Methylphenols
Concen: 40.291 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 107 Resp: 334719

Ion	Ratio	Lower	Upper
107	100		
108	91.3	71.3	111.3
77	97.2	77.2	117.2
79	30.7	10.7	50.7

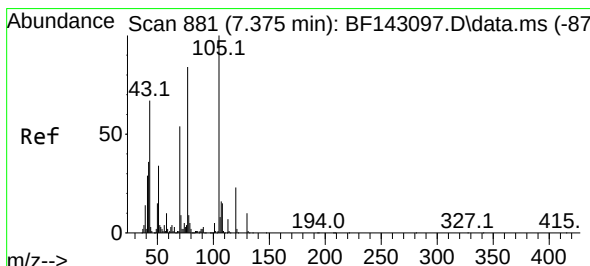
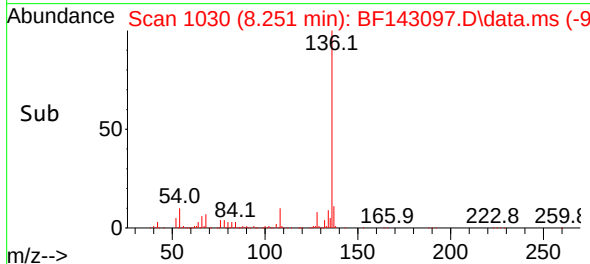
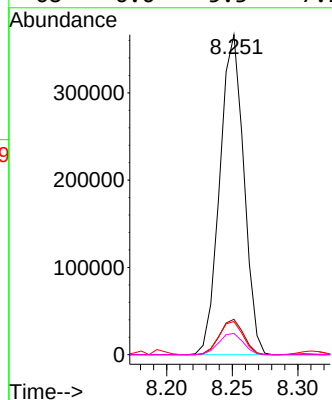
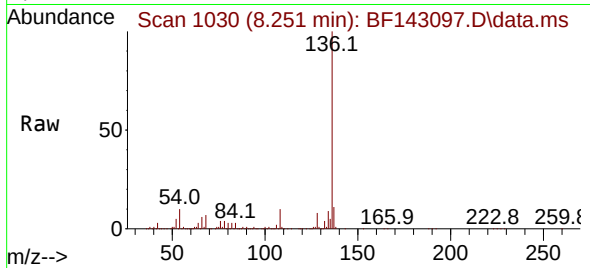




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

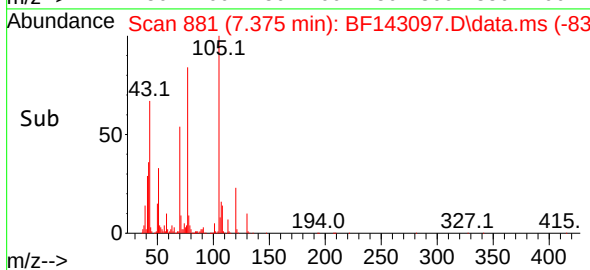
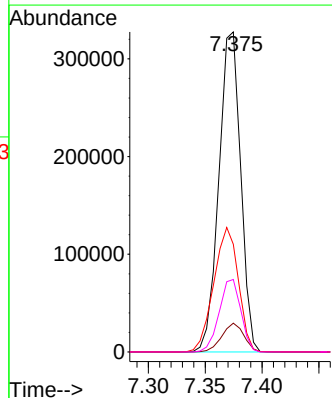
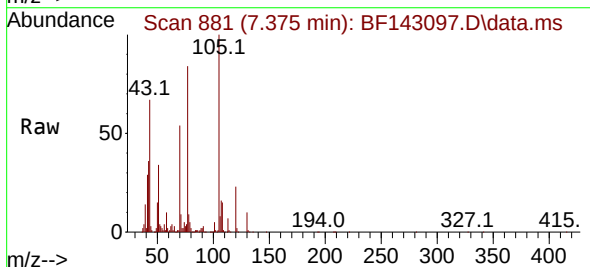
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

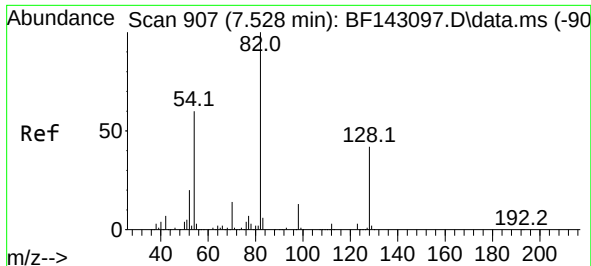
Tgt Ion:	136	Resp:	466428
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.4	8.3	12.5
68	6.6	5.3	7.9



#22
Acetophenone
Concen: 38.906 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:	105	Resp:	437447
Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	33.7	27.0	40.4
120	22.7	18.2	27.2

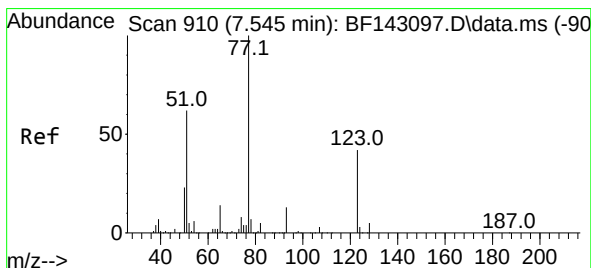
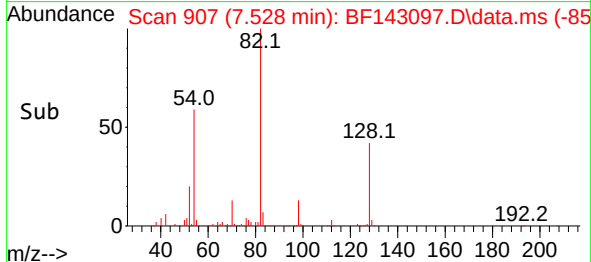
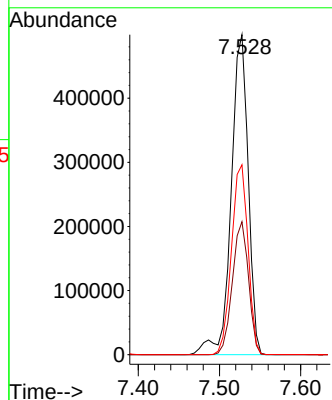
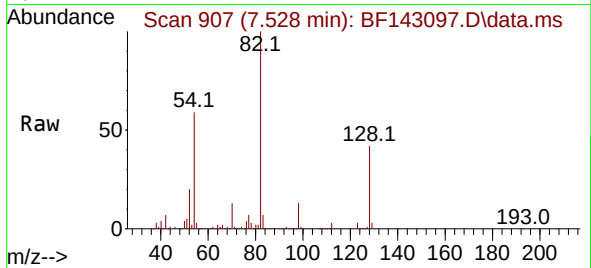




#23
Nitrobenzene-d5
Concen: 87.221 ng
RT: 7.528 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

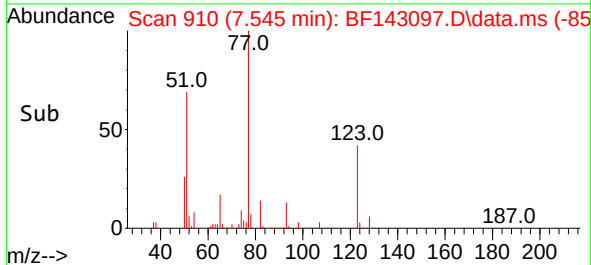
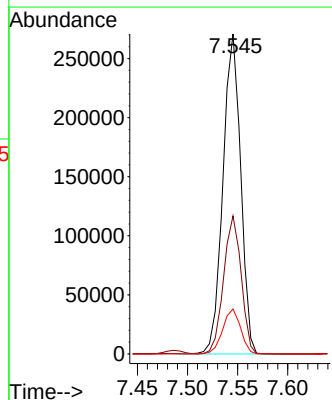
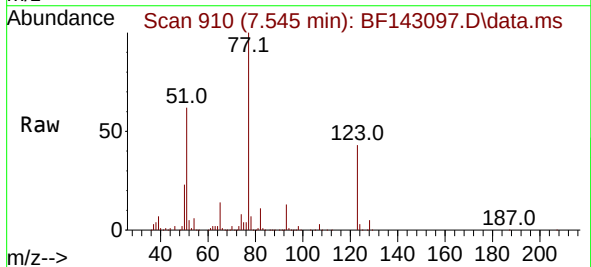
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

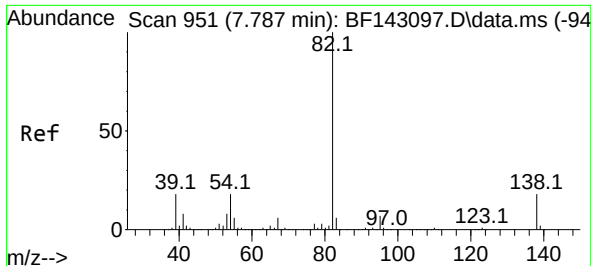
Tgt Ion: 82 Resp: 725222
Ion Ratio Lower Upper
82 100
128 41.6 33.3 49.9
54 59.3 47.4 71.2



#24
Nitrobenzene
Concen: 41.364 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 77 Resp: 332013
Ion Ratio Lower Upper
77 100
123 43.1 34.5 51.7
65 14.1 11.3 16.9

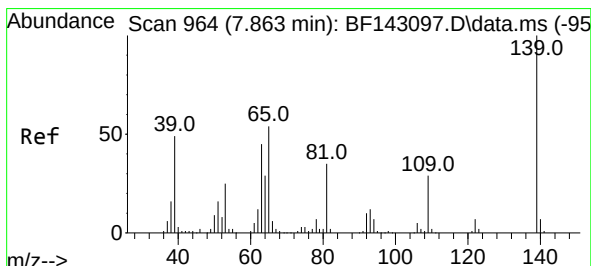
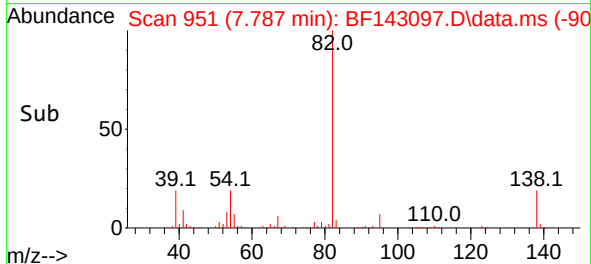
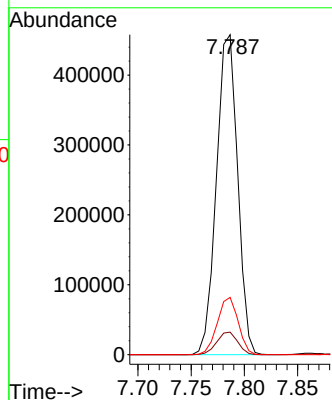
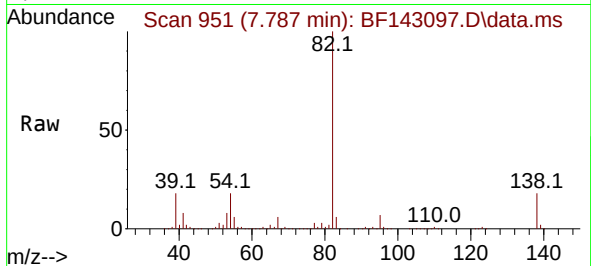




#25
Isophorone
Concen: 39.346 ng
RT: 7.787 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

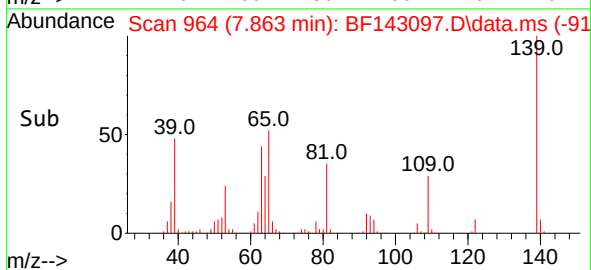
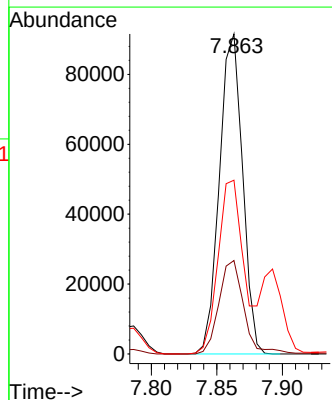
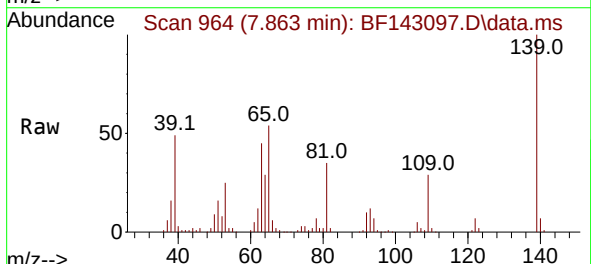
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

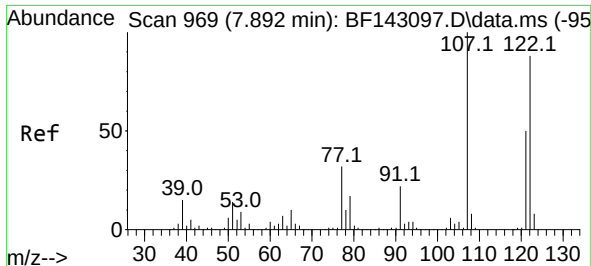
Tgt Ion: 82 Resp: 632327
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 17.9 14.3 21.5



#26
2-Nitrophenol
Concen: 36.079 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:139 Resp: 112314
Ion Ratio Lower Upper
139 100
109 29.2 23.4 35.0
65 54.3 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 39.984 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

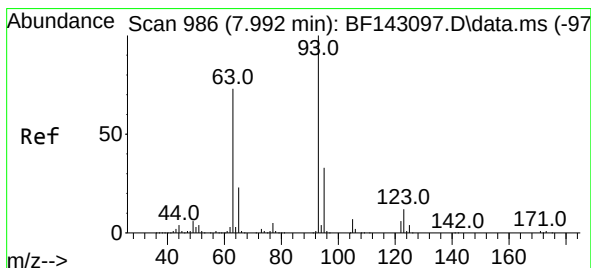
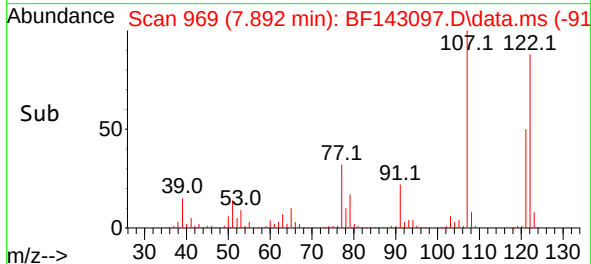
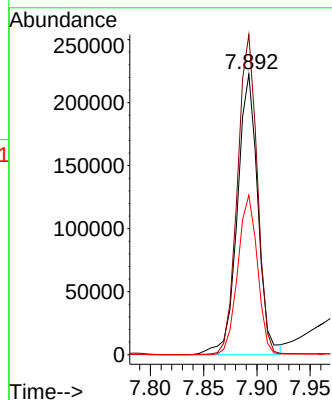
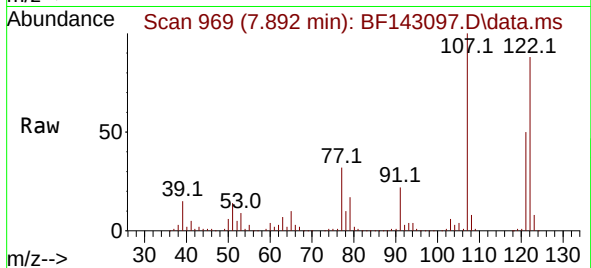
Tgt Ion:122 Resp: 298241

Ion Ratio Lower Upper

122 100

107 114.1 91.3 136.9

121 56.9 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 39.155 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

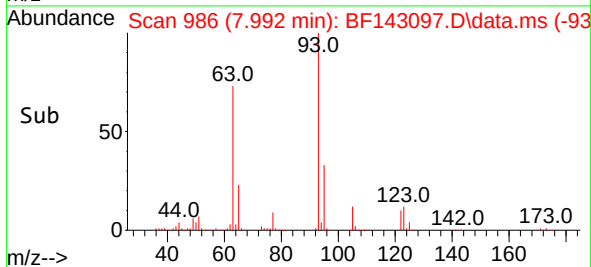
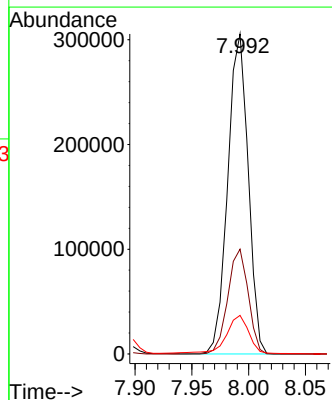
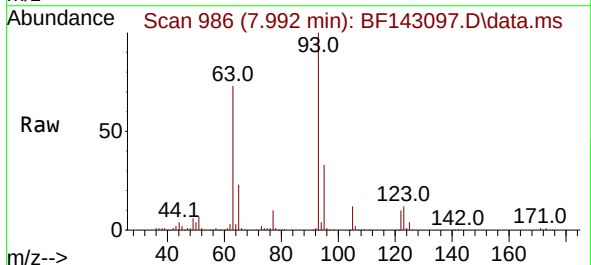
Tgt Ion: 93 Resp: 381576

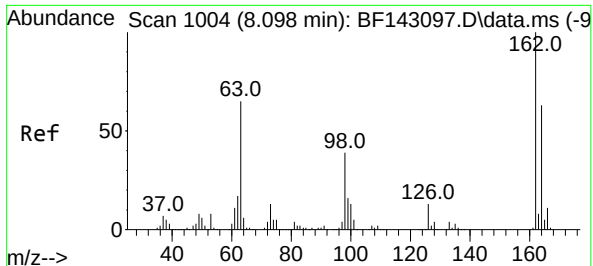
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

123 12.0 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 40.752 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

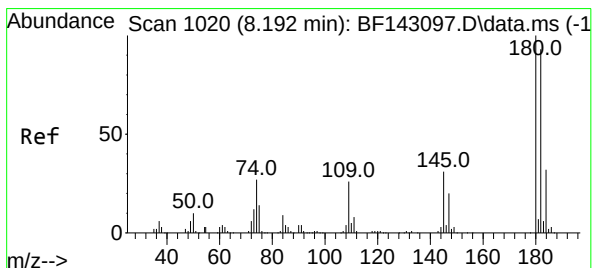
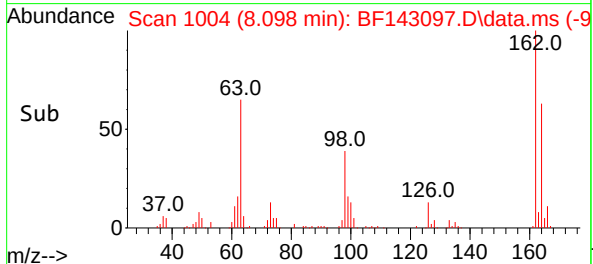
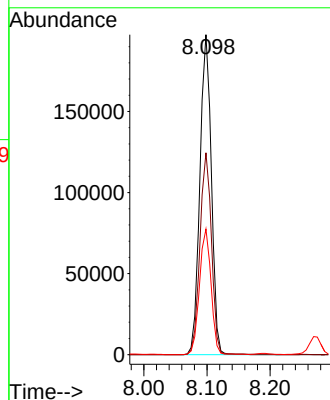
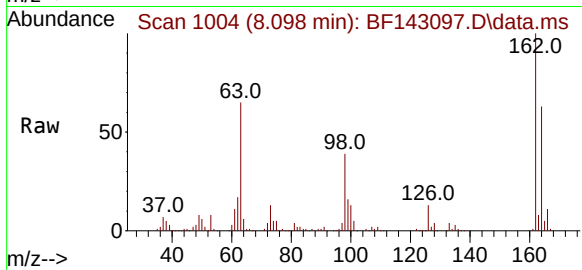
Tgt Ion:162 Resp: 248676

Ion Ratio Lower Upper

162 100

164 63.1 43.1 83.1

98 39.2 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 39.701 ng

RT: 8.192 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

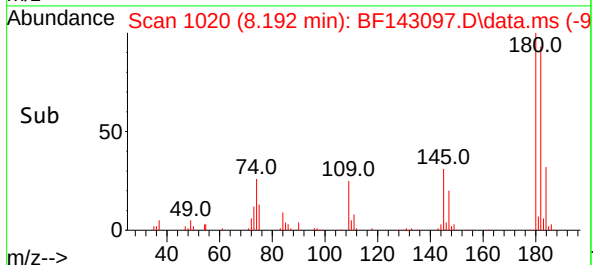
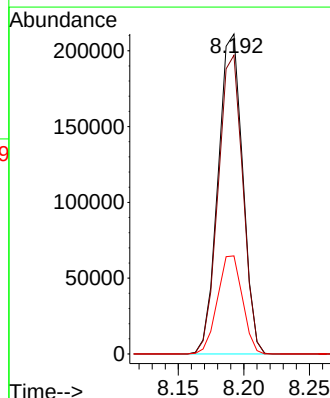
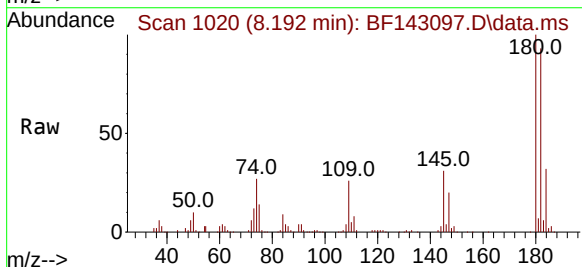
Tgt Ion:180 Resp: 274944

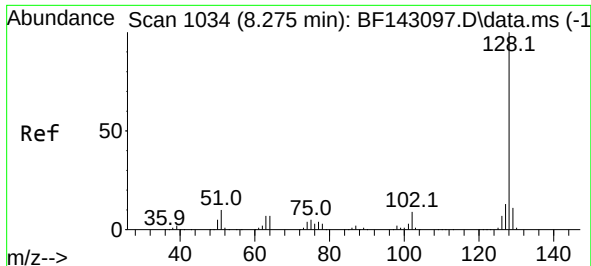
Ion Ratio Lower Upper

180 100

182 93.4 74.7 112.1

145 30.6 24.5 36.7

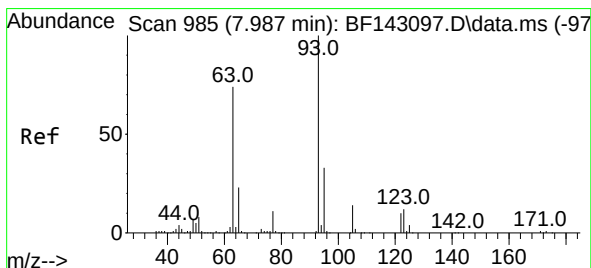
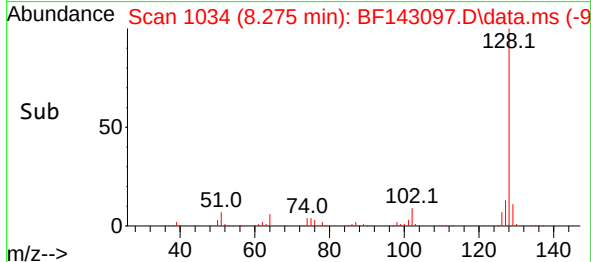
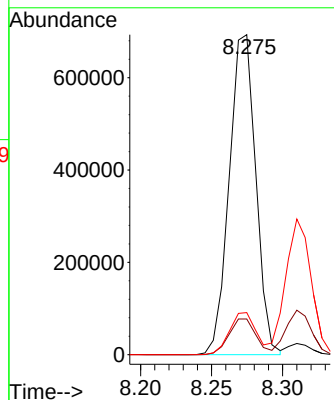
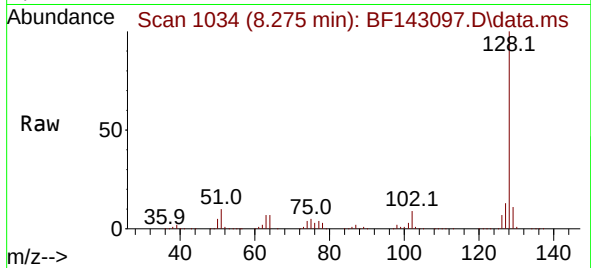




#31
Naphthalene
Concen: 38.898 ng
RT: 8.275 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

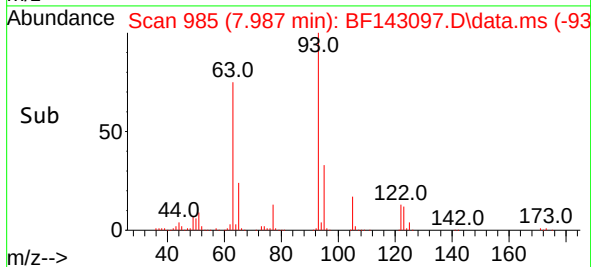
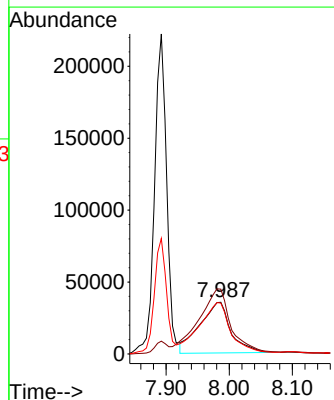
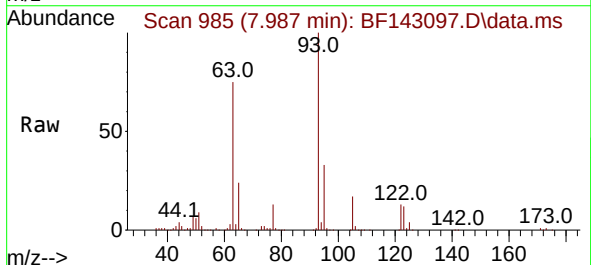
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

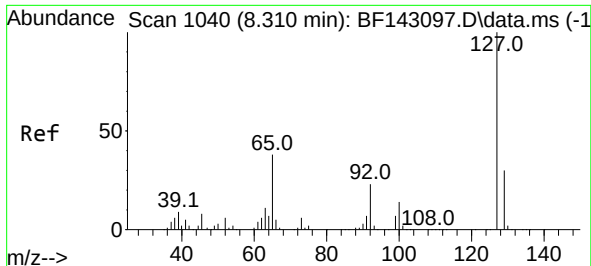
Tgt Ion:128 Resp: 900967
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.1 10.5 15.7



#32
Benzoic acid
Concen: 34.562 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:122 Resp: 120551
Ion Ratio Lower Upper
122 100
105 125.4 105.4 145.4
77 98.6 78.6 118.6

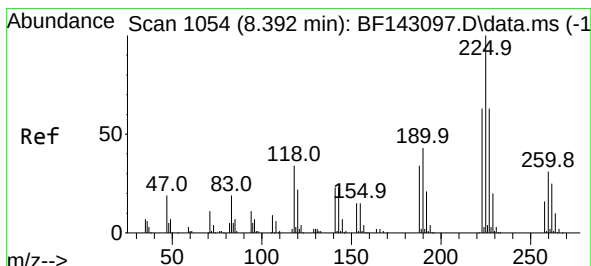
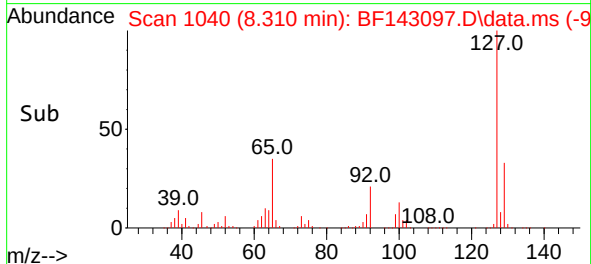
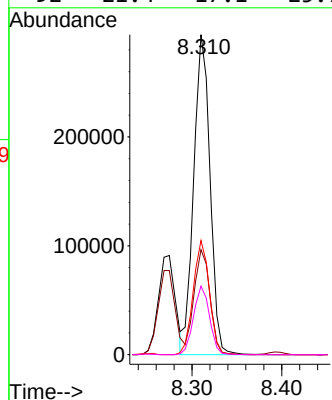
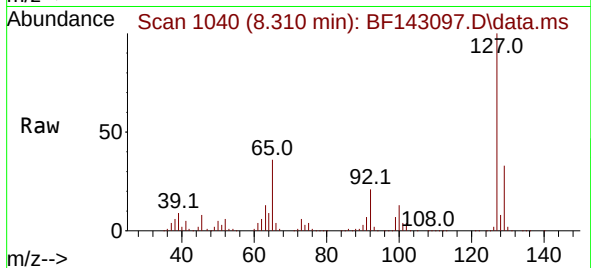




#33
4-Chloroaniline
Concen: 39.858 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

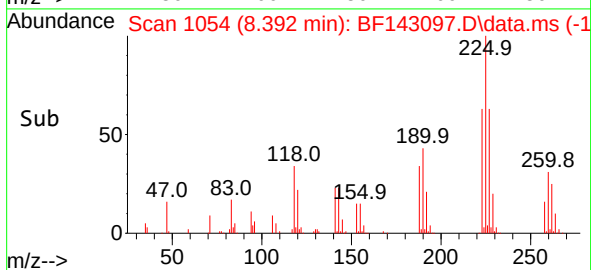
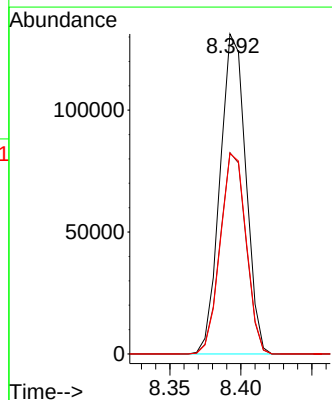
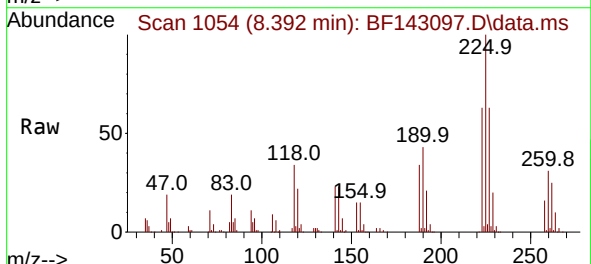
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

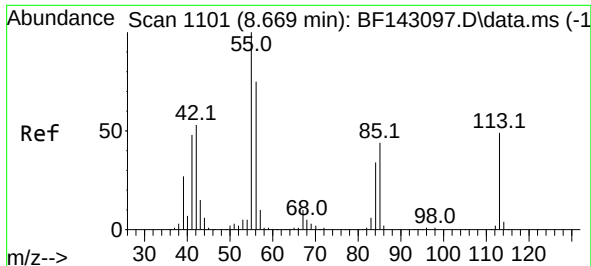
Tgt Ion:	127	Resp:	371249
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	35.7	28.6	42.8
92	21.4	17.1	25.7



#34
Hexachlorobutadiene
Concen: 39.978 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:	225	Resp:	165576
Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	62.6	50.1	75.1

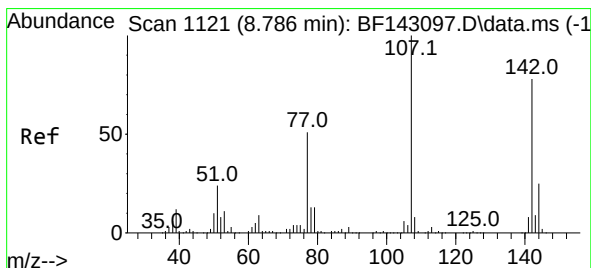
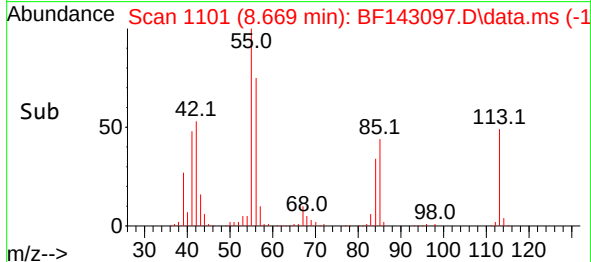
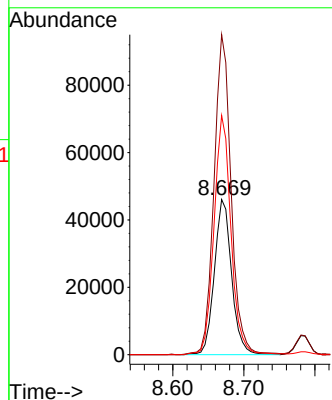
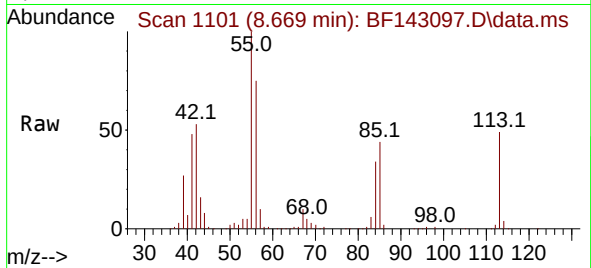




#35
 Caprolactam
 Concen: 40.657 ng
 RT: 8.669 min Scan# 1101
 Delta R.T. 0.000 min
 Lab File: BF143097.D
 Acq: 15 Jul 2025 15:05

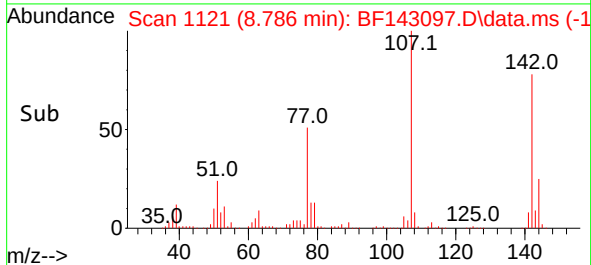
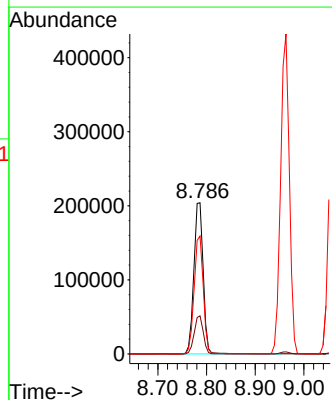
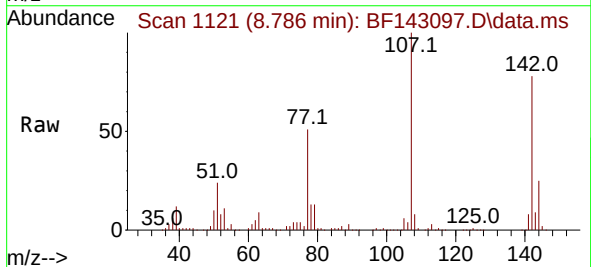
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC040

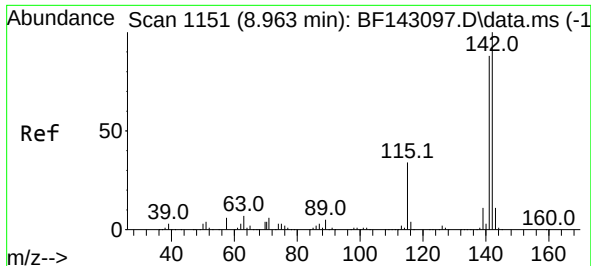
Tgt Ion:113 Resp: 77472
 Ion Ratio Lower Upper
 113 100
 55 206.2 186.2 226.2
 56 154.1 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 40.145 ng
 RT: 8.786 min Scan# 1121
 Delta R.T. 0.000 min
 Lab File: BF143097.D
 Acq: 15 Jul 2025 15:05

Tgt Ion:107 Resp: 272885
 Ion Ratio Lower Upper
 107 100
 144 25.2 20.2 30.2
 142 78.0 62.4 93.6





#37

2-Methylnaphthalene

Concen: 39.141 ng

RT: 8.963 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

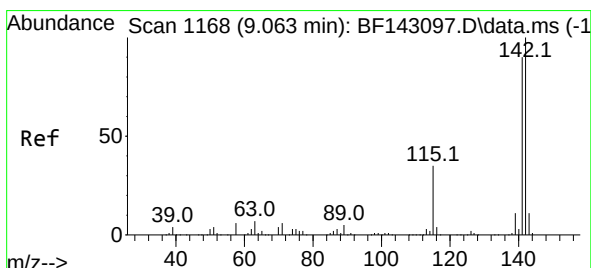
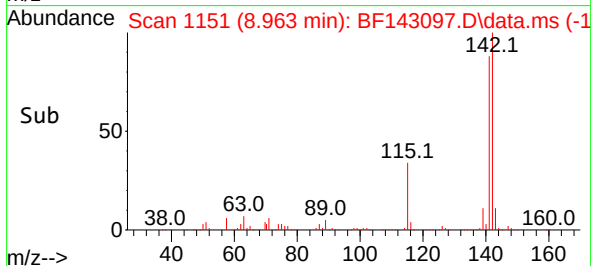
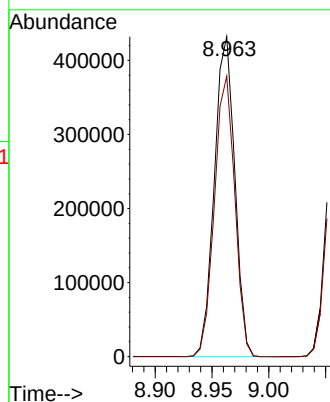
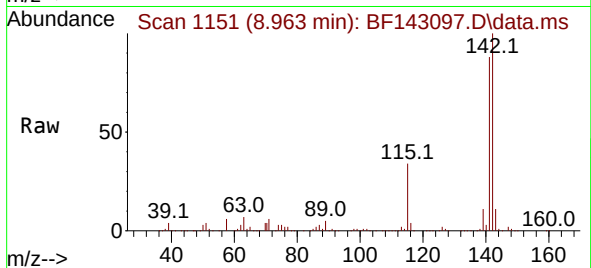
SSTDICCC040

Tgt Ion:142 Resp: 540844

Ion Ratio Lower Upper

142 100

141 87.7 70.2 105.2



#38

1-Methylnaphthalene

Concen: 39.263 ng

RT: 9.063 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BF143097.D

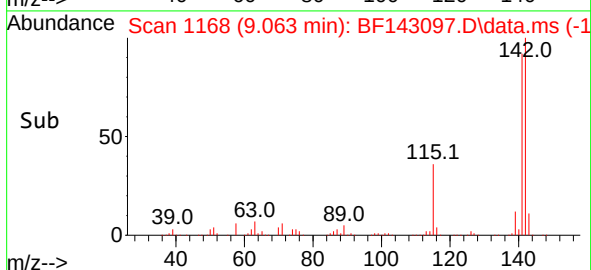
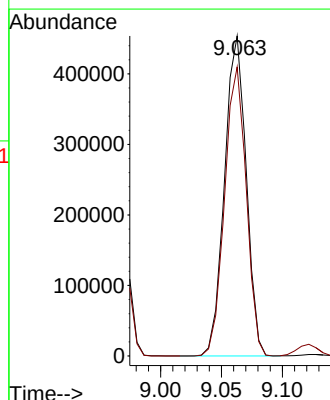
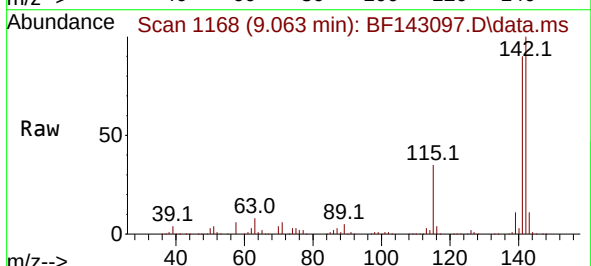
Acq: 15 Jul 2025 15:05

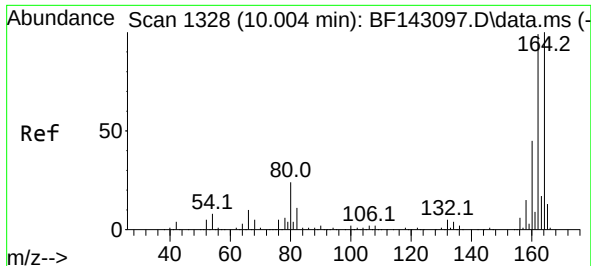
Tgt Ion:142 Resp: 562696

Ion Ratio Lower Upper

142 100

141 90.3 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

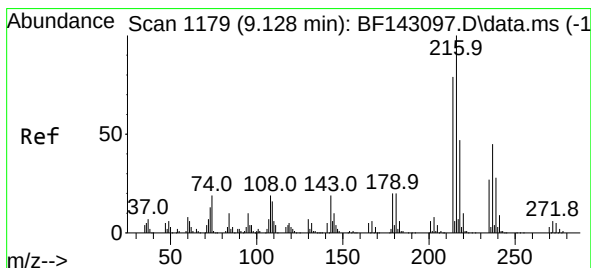
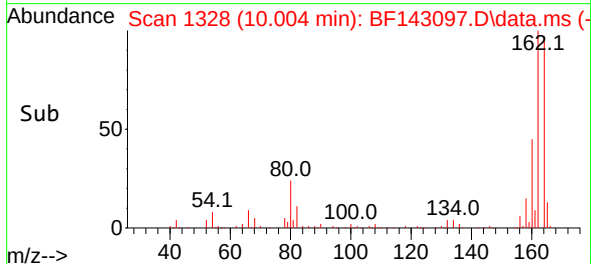
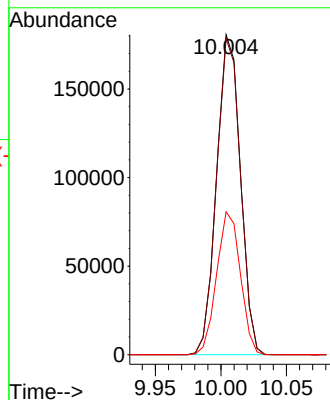
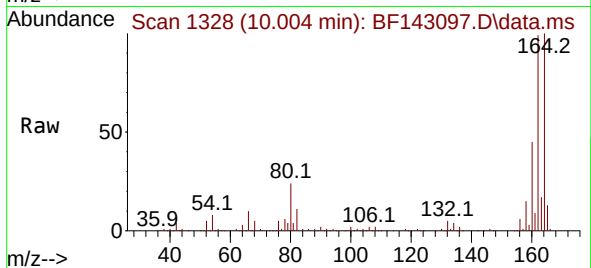
Tgt Ion:164 Resp: 227730

Ion Ratio Lower Upper

164 100

162 98.8 79.0 118.6

160 44.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.653 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Tgt Ion:216 Resp: 263160

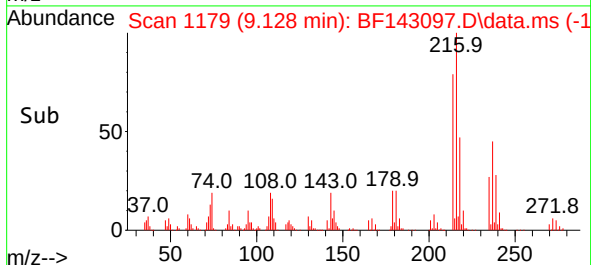
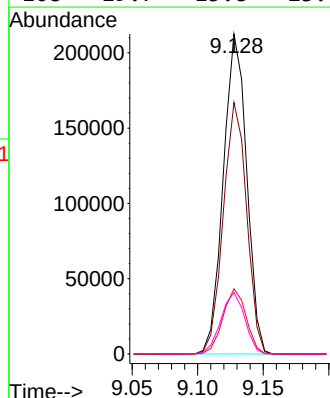
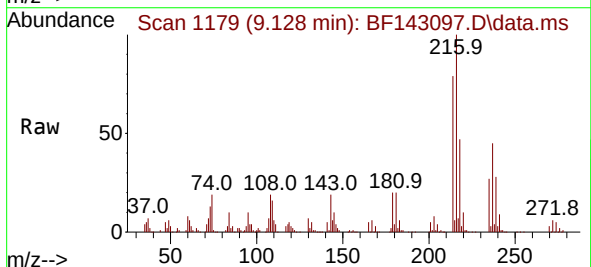
Ion Ratio Lower Upper

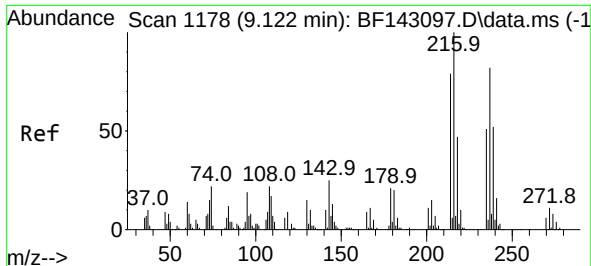
216 100

214 78.3 62.6 94.0

179 20.2 16.2 24.2

108 19.7 15.8 23.6

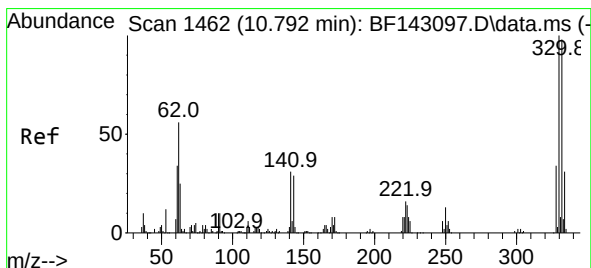
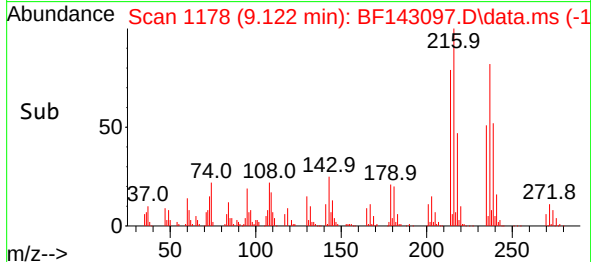
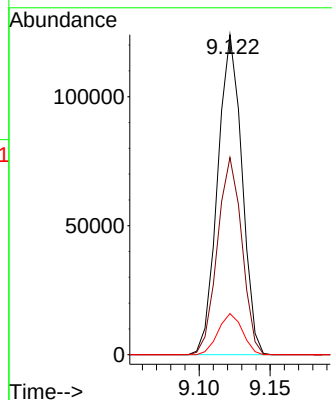
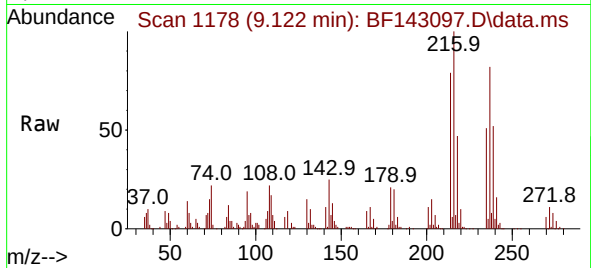




#41
Hexachlorocyclopentadiene
Concen: 40.011 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

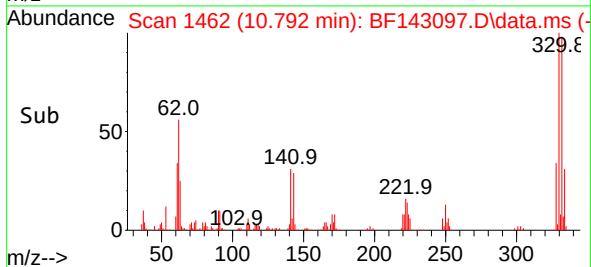
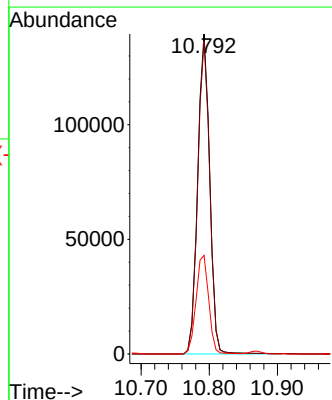
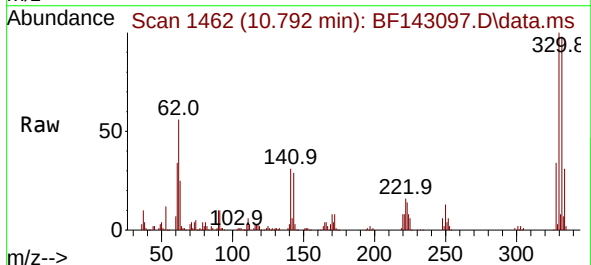
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

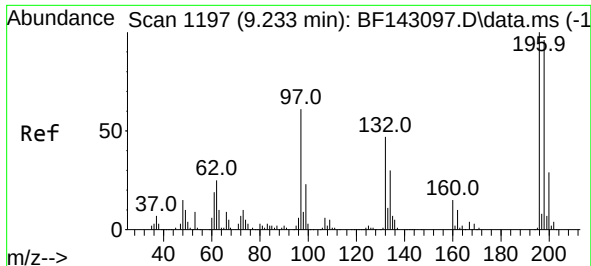
Tgt Ion: 237 Resp: 147221
Ion Ratio Lower Upper
237 100
235 61.6 41.6 81.6
272 12.9 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 84.198 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 330 Resp: 170969
Ion Ratio Lower Upper
330 100
332 97.4 77.9 116.9
141 32.4 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 41.569 ng

RT: 9.233 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

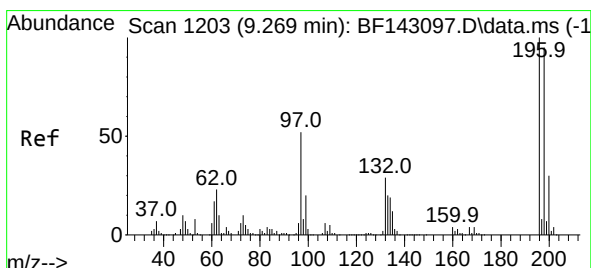
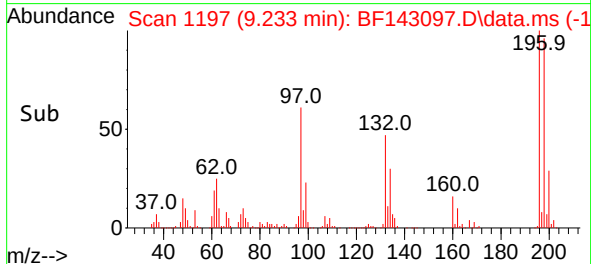
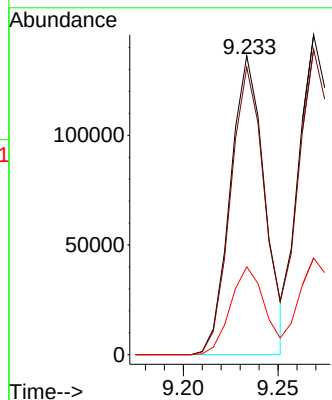
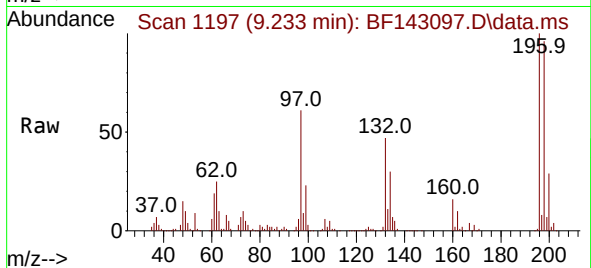
Tgt Ion:196 Resp: 171419

Ion Ratio Lower Upper

196 100

198 96.1 76.9 115.3

200 29.4 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 41.422 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Tgt Ion:196 Resp: 179101

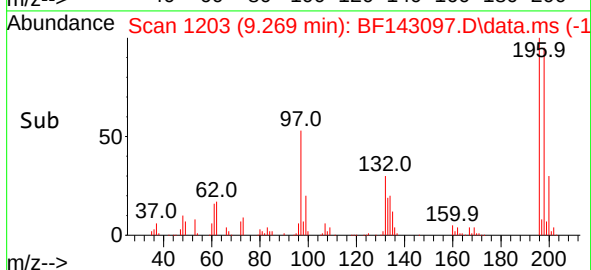
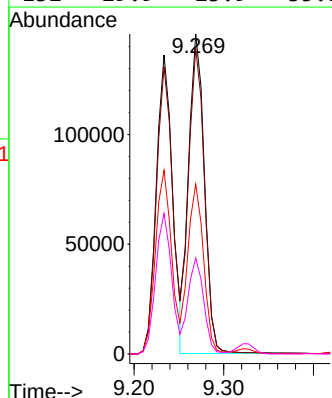
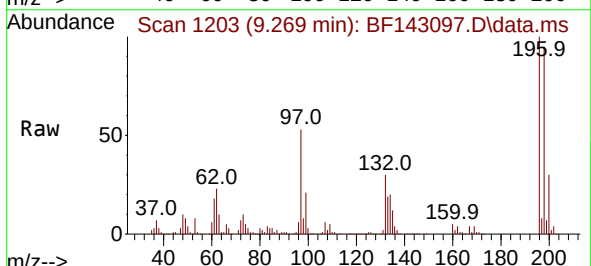
Ion Ratio Lower Upper

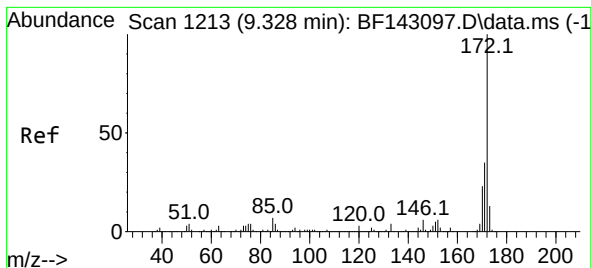
196 100

198 95.5 76.4 114.6

97 53.0 42.4 63.6

132 29.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 77.428 ng

RT: 9.328 min Scan# 1213

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

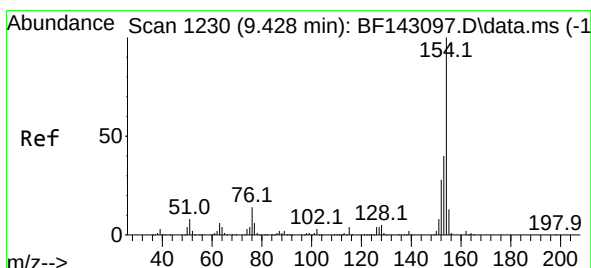
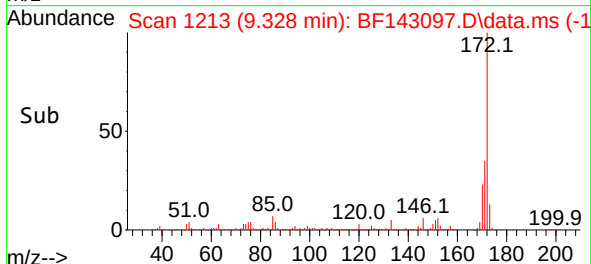
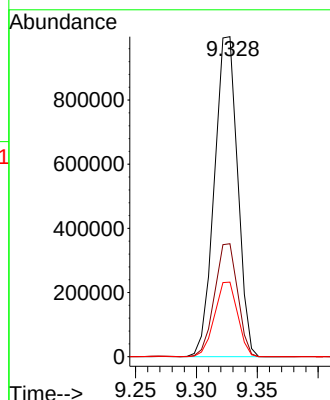
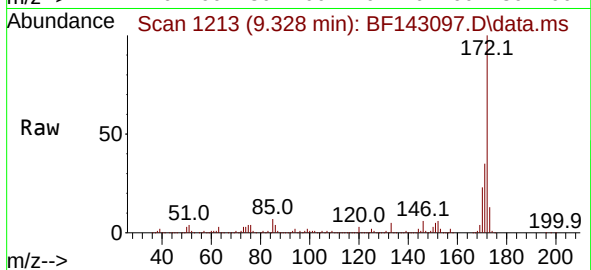
Tgt Ion:172 Resp: 1326482

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.3 18.6 28.0



#46

1,1'-Biphenyl

Concen: 39.288 ng

RT: 9.428 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

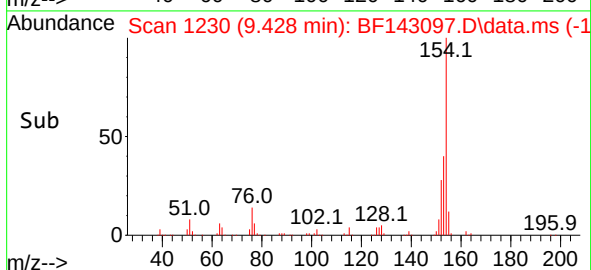
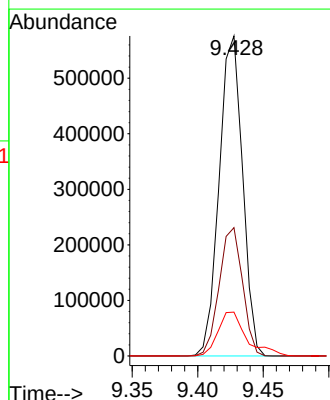
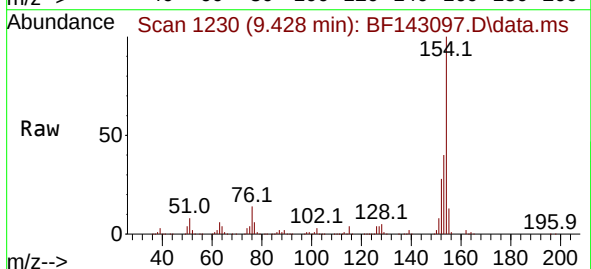
Tgt Ion:154 Resp: 713513

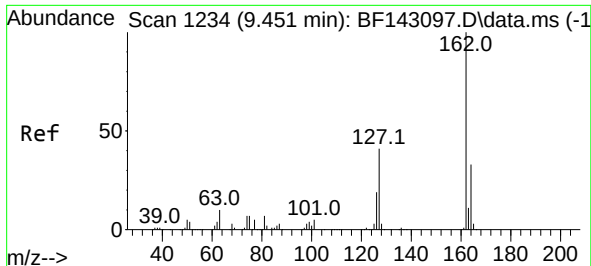
Ion Ratio Lower Upper

154 100

153 40.1 20.1 60.1

76 13.7 0.0 33.7





#47

2-Chloronaphthalene

Concen: 39.561 ng

RT: 9.451 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

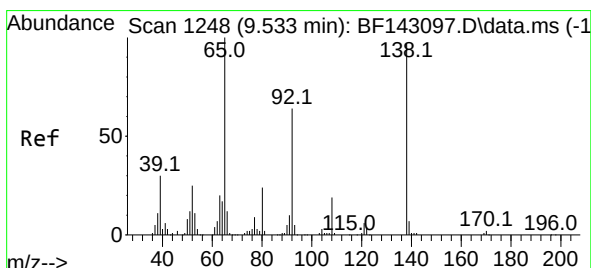
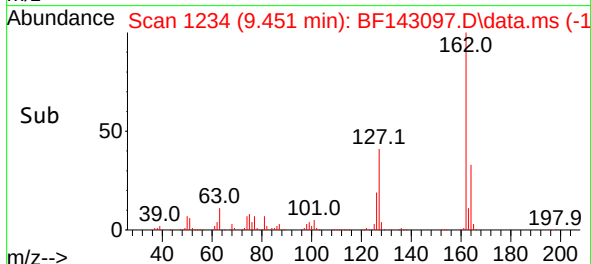
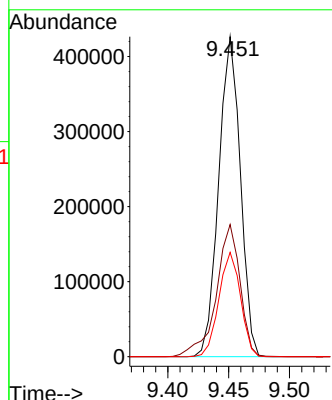
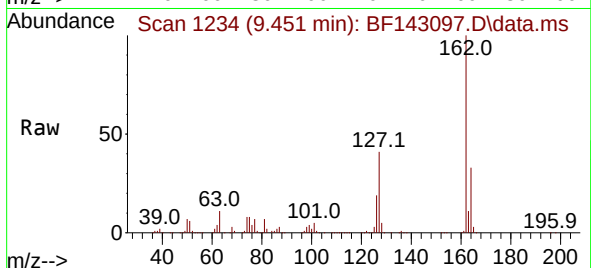
Tgt Ion:162 Resp: 527800

Ion Ratio Lower Upper

162 100

127 41.3 33.0 49.6

164 32.6 26.1 39.1



#48

2-Nitroaniline

Concen: 38.182 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

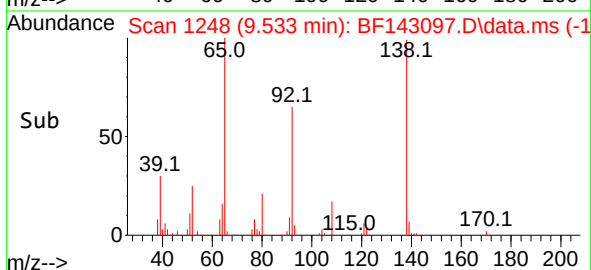
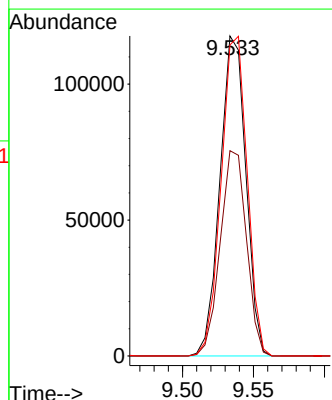
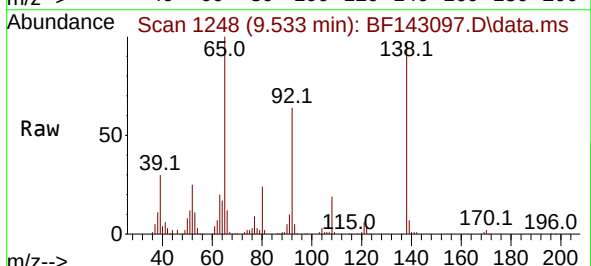
Tgt Ion: 65 Resp: 149322

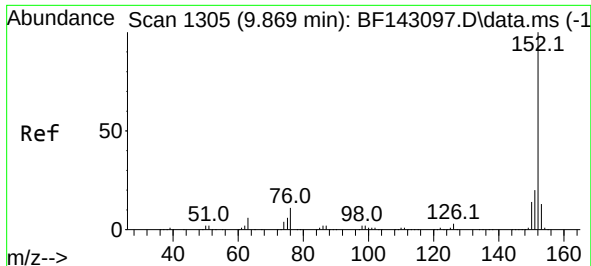
Ion Ratio Lower Upper

65 100

92 64.1 51.3 76.9

138 97.2 77.8 116.6

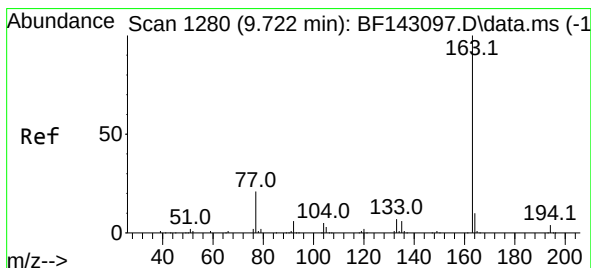
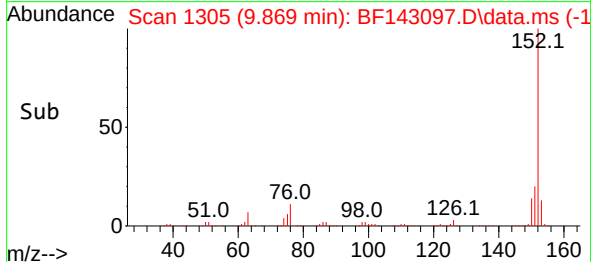
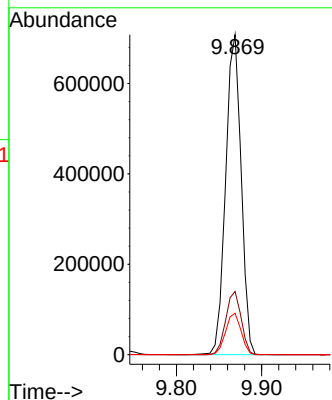
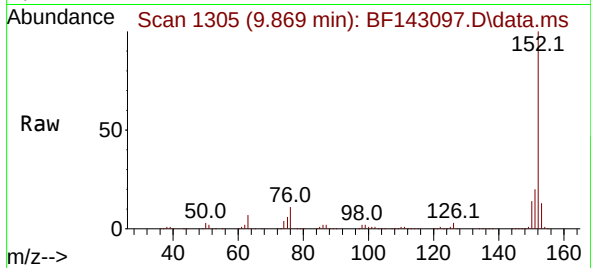




#49
Acenaphthylene
Concen: 40.126 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

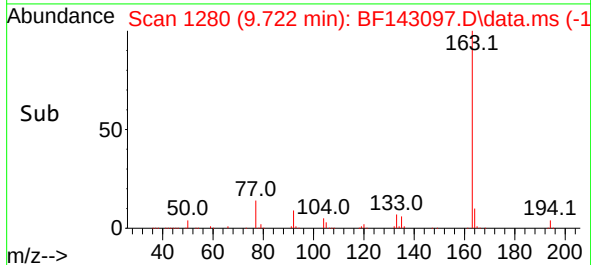
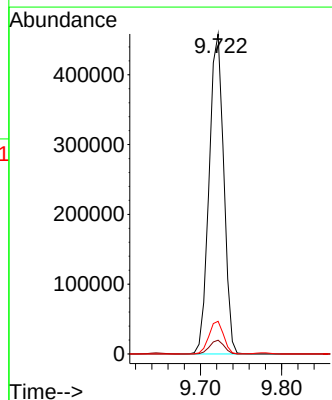
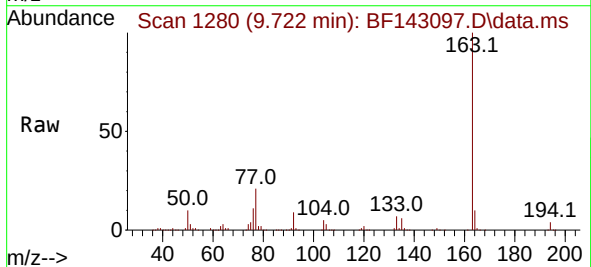
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

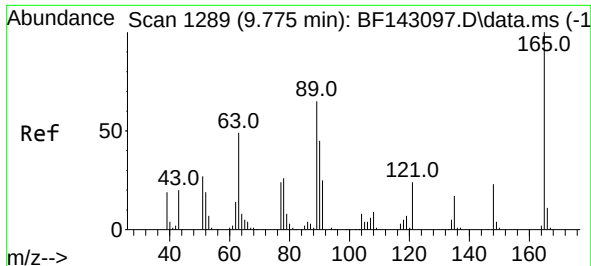
Tgt Ion:152 Resp: 892054
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 13.0 10.4 15.6



#50
Dimethylphthalate
Concen: 39.971 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:163 Resp: 572658
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.2 8.2 12.2

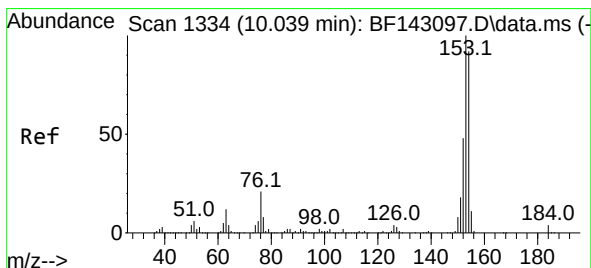
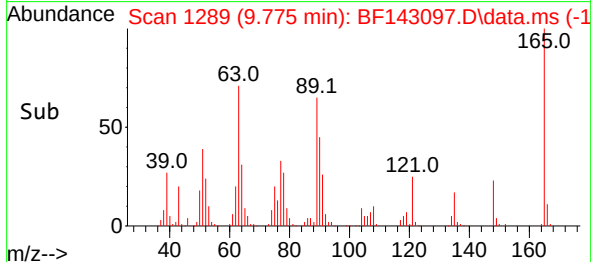
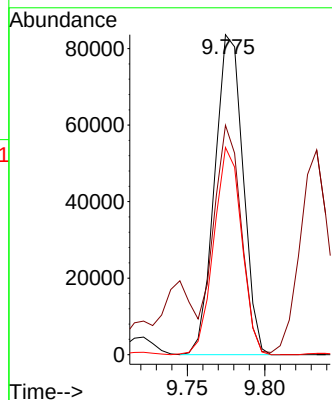
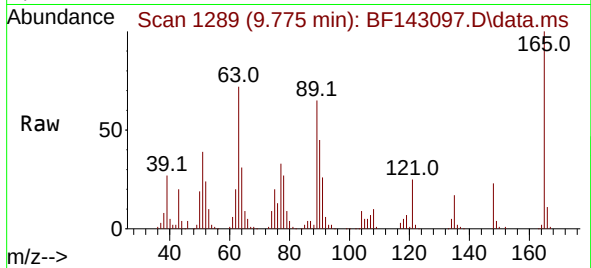




#51
2,6-Dinitrotoluene
Concen: 38.213 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

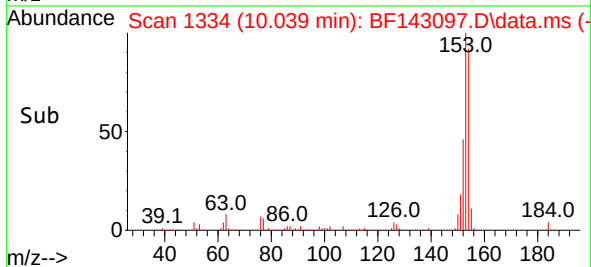
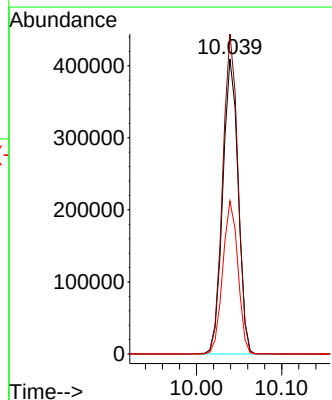
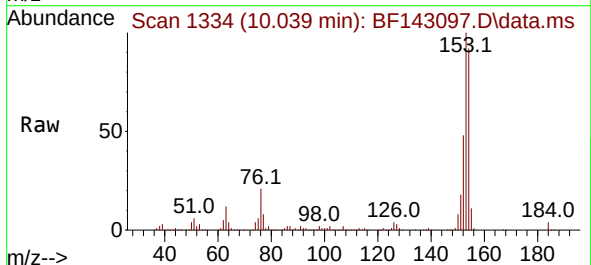
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

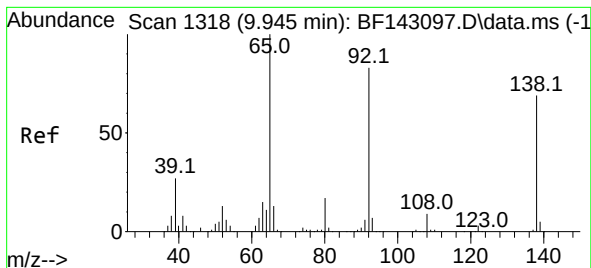
Tgt Ion:165 Resp: 106468
Ion Ratio Lower Upper
165 100
63 71.7 57.4 86.0
89 64.8 51.8 77.8



#52
Acenaphthene
Concen: 39.131 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:154 Resp: 513370
Ion Ratio Lower Upper
154 100
153 108.4 86.7 130.1
152 51.8 41.4 62.2





#53

3-Nitroaniline

Concen: 42.301 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

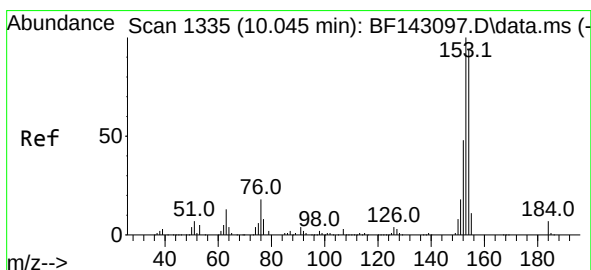
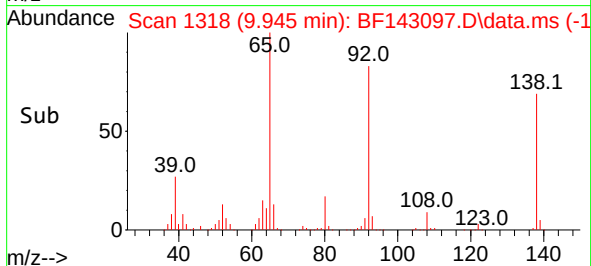
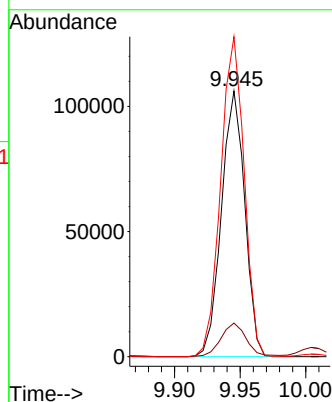
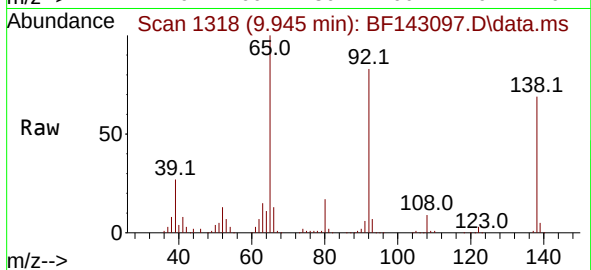
Tgt Ion:138 Resp: 130953

Ion Ratio Lower Upper

138 100

108 12.6 10.1 15.1

92 120.5 96.4 144.6



#54

2,4-Dinitrophenol

Concen: 37.582 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

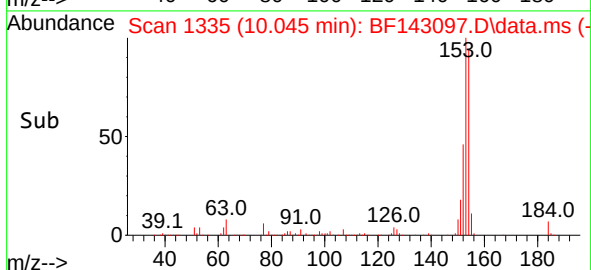
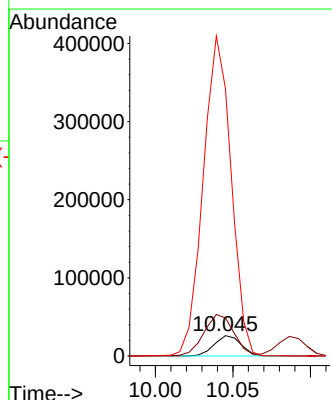
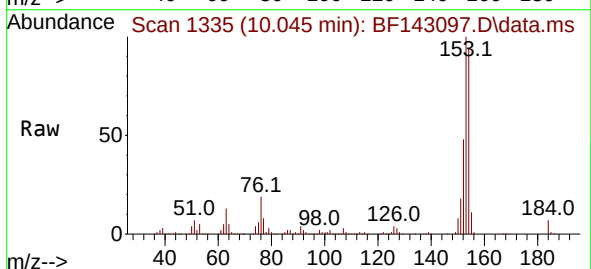
Tgt Ion:184 Resp: 31236

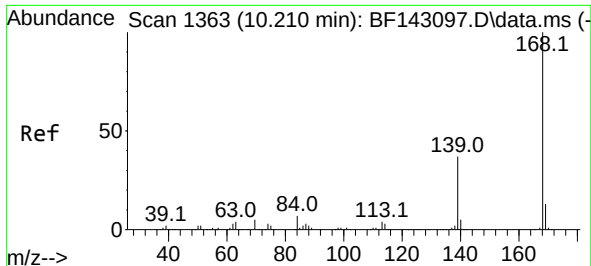
Ion Ratio Lower Upper

184 100

63 186.6 149.3 223.9

154 1310.0 1048.0 1572.0

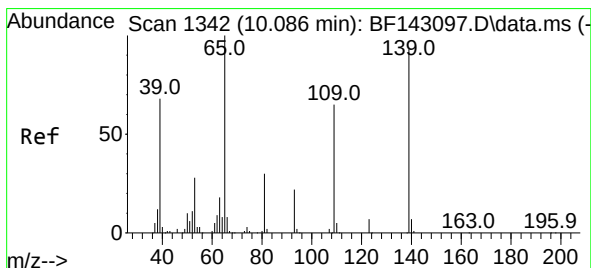
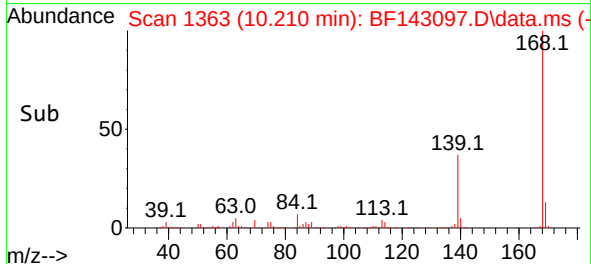
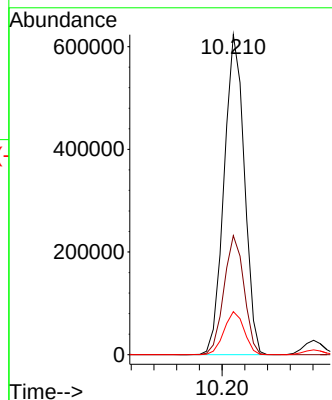
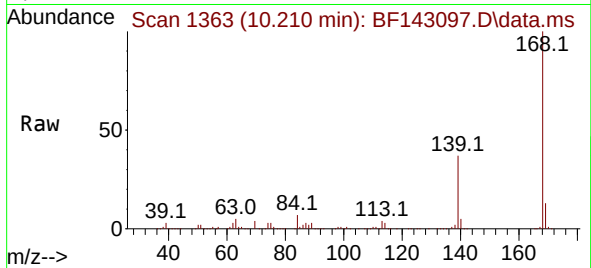




#55
Dibenzenofuran
Concen: 39.524 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

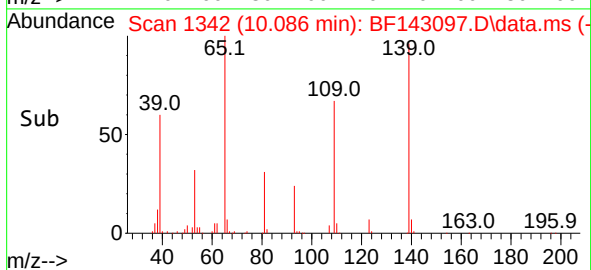
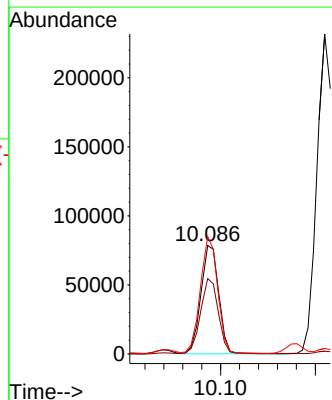
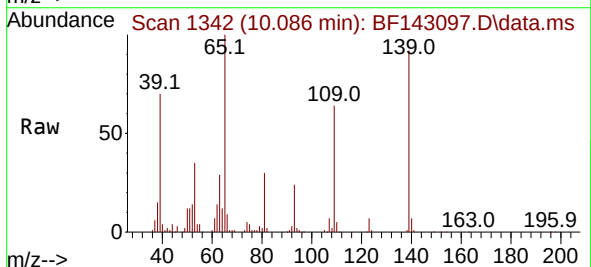
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

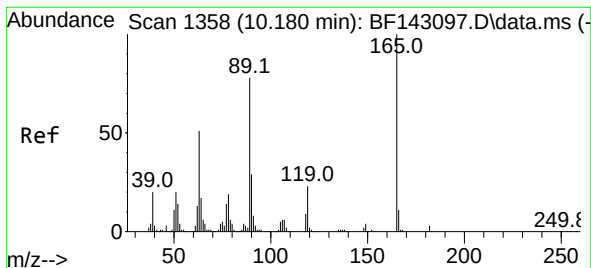
Tgt Ion:168 Resp: 772862
Ion Ratio Lower Upper
168 100
139 37.2 29.8 44.6
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 41.436 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:139 Resp: 101948
Ion Ratio Lower Upper
139 100
109 69.4 49.4 89.4
65 108.2 88.2 128.2

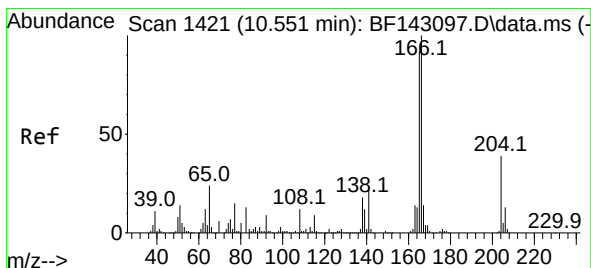
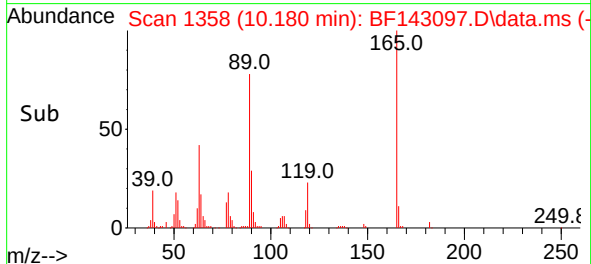
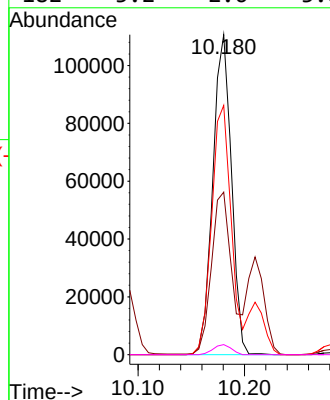
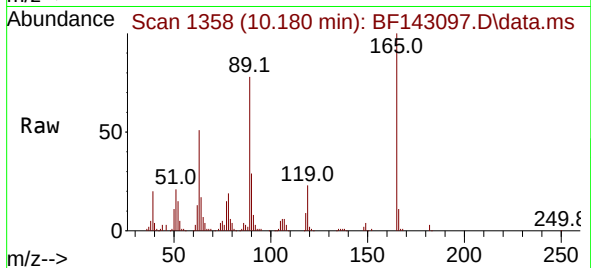




#57
2,4-Dinitrotoluene
Concen: 38.682 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

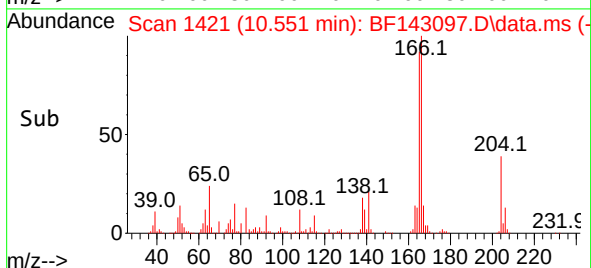
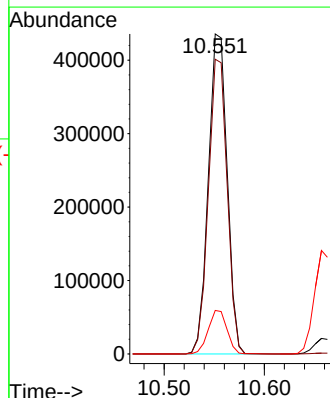
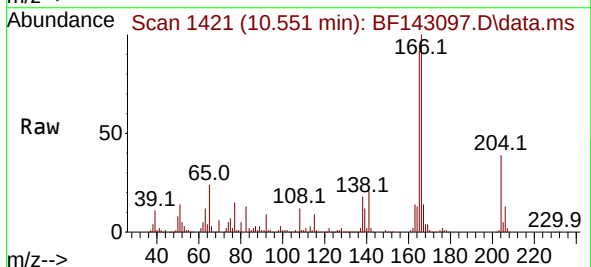
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

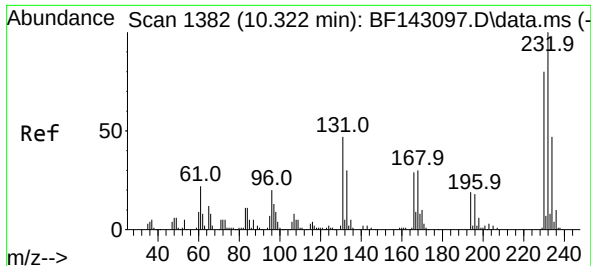
Tgt Ion:165 Resp: 134243
Ion Ratio Lower Upper
165 100
63 50.8 40.6 61.0
89 77.9 62.3 93.5
182 3.2 2.6 3.8



#58
Fluorene
Concen: 38.710 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:166 Resp: 567511
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.6 10.9 16.3

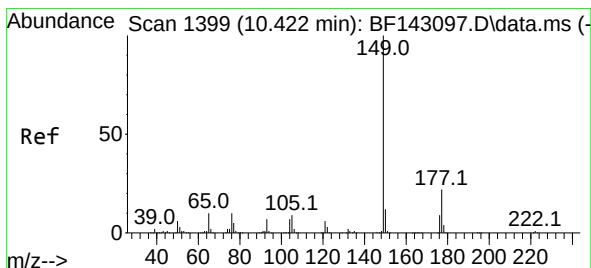
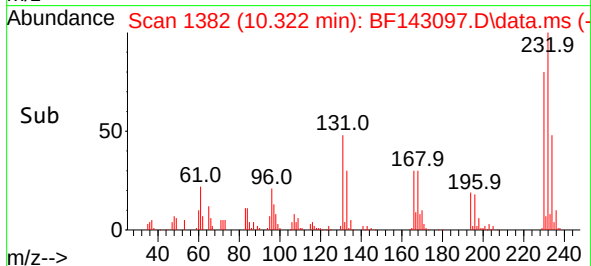
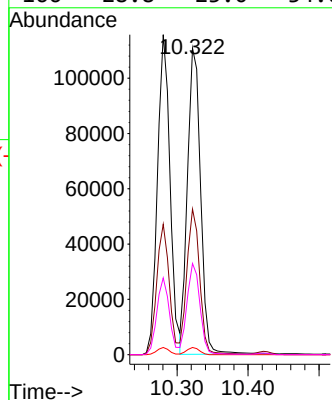
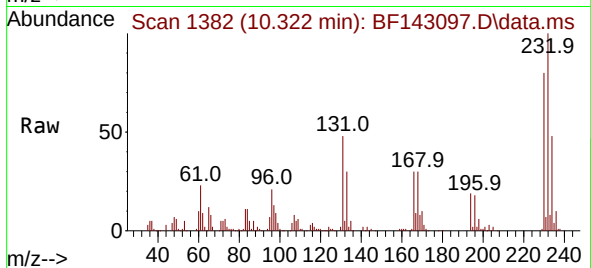




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.334 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

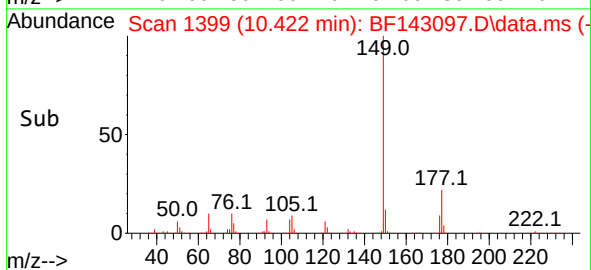
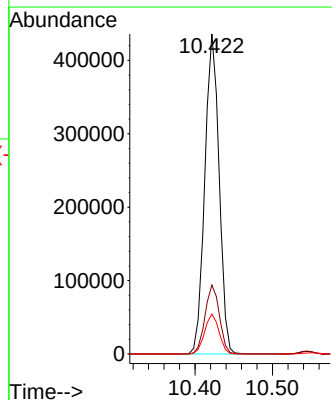
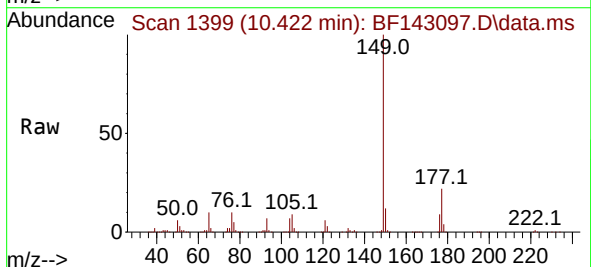
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

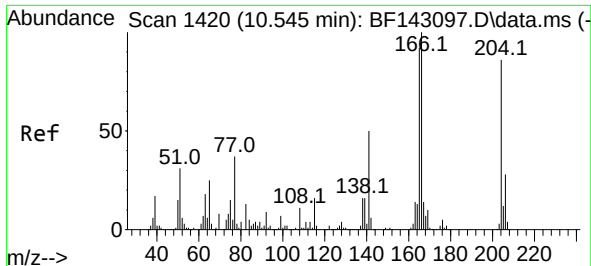
Tgt Ion:232 Resp: 142027
Ion Ratio Lower Upper
232 100
131 46.1 36.9 55.3
130 2.3 1.8 2.8
166 28.8 23.0 34.6



#60
Diethylphthalate
Concen: 40.349 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 557712
Ion Ratio Lower Upper
149 100
177 21.6 17.3 25.9
150 12.4 9.9 14.9

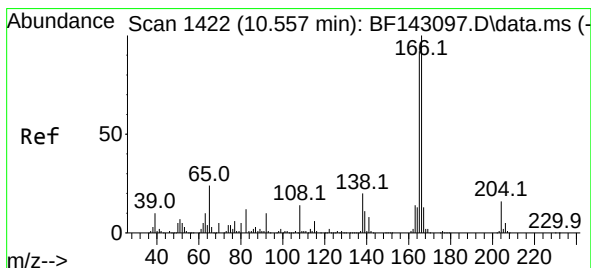
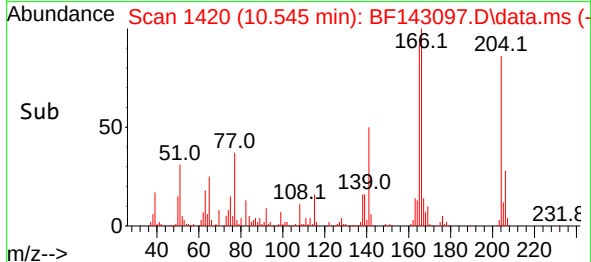
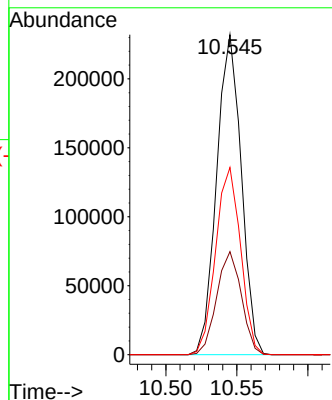
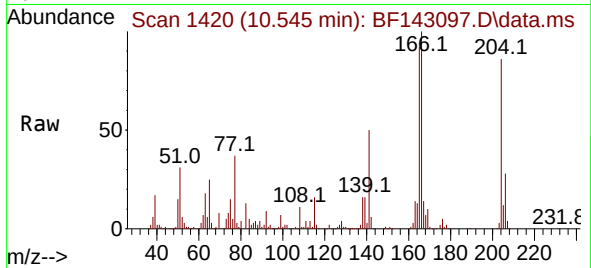




#61
4-Chlorophenyl-phenylether
Concen: 39.822 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

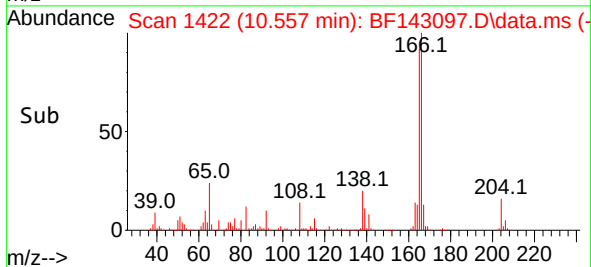
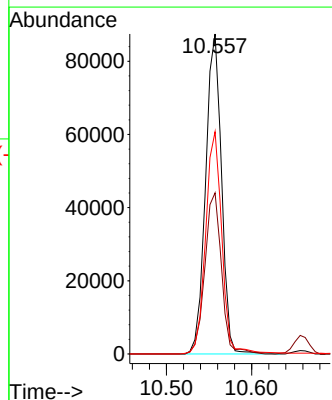
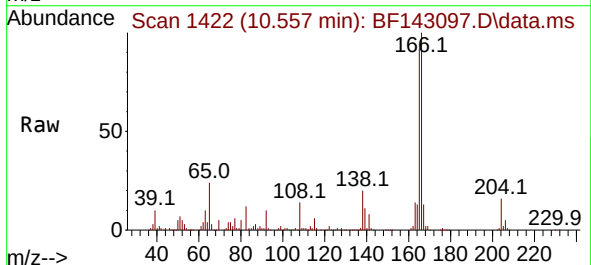
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

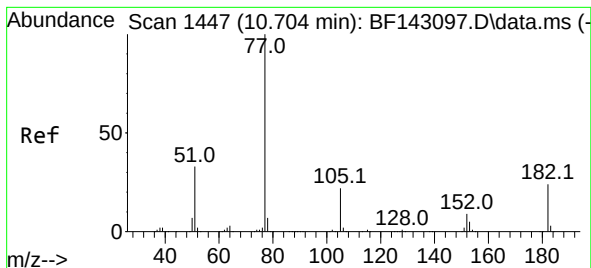
Tgt Ion:204 Resp: 279817
Ion Ratio Lower Upper
204 100
206 32.2 25.8 38.6
141 58.5 46.8 70.2



#62
4-Nitroaniline
Concen: 42.106 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:138 Resp: 113355
Ion Ratio Lower Upper
138 100
92 50.4 30.4 70.4
108 69.5 49.5 89.5





#63

Azobenzene

Concen: 39.558 ng

RT: 10.704 min Scan# 1447

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 604710

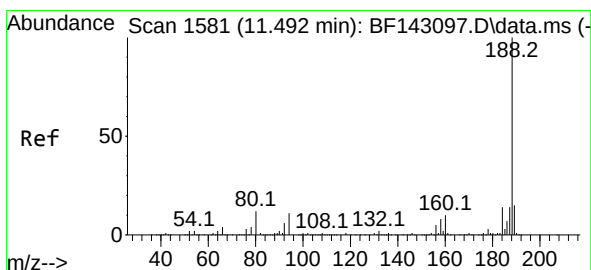
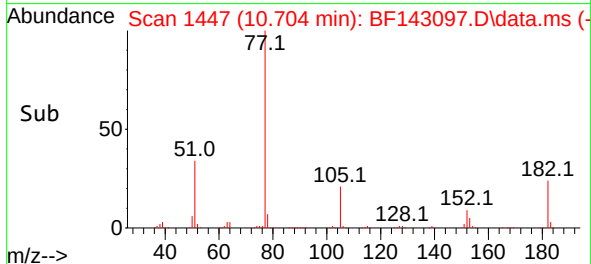
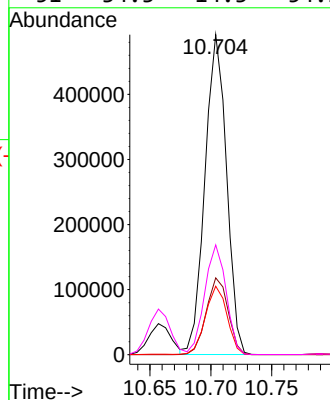
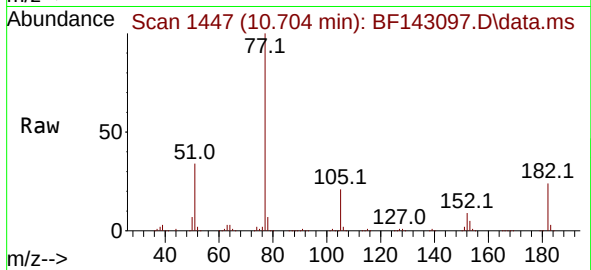
Ion Ratio Lower Upper

77 100

182 24.0 4.0 44.0

105 21.4 1.4 41.4

51 34.3 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

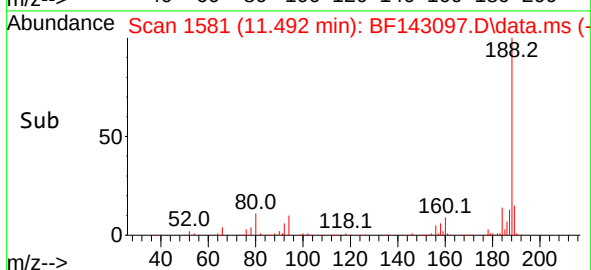
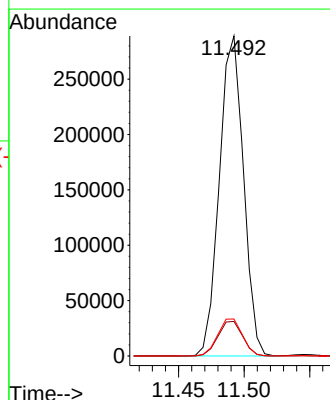
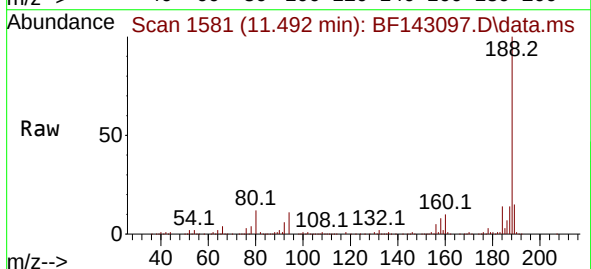
Tgt Ion: 188 Resp: 369241

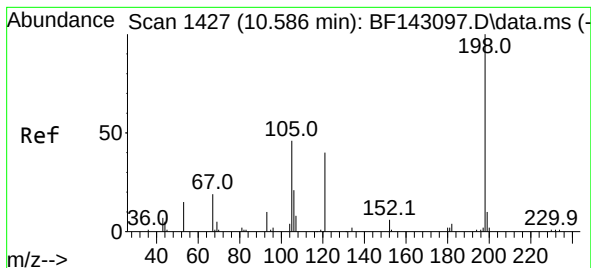
Ion Ratio Lower Upper

188 100

94 10.8 8.6 13.0

80 11.6 9.3 13.9

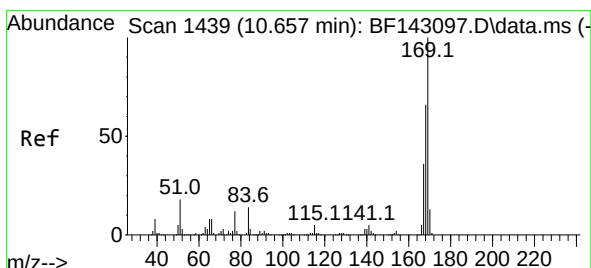
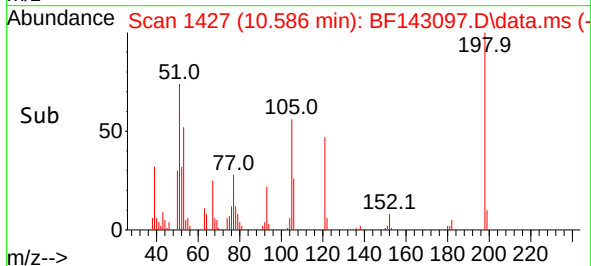
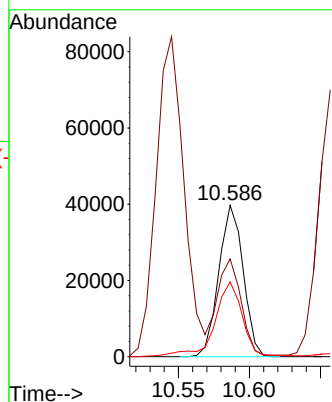
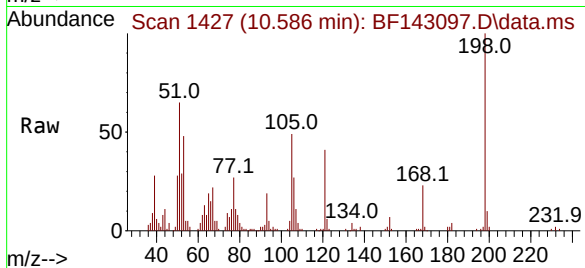




#65
4,6-Dinitro-2-methylphenol
Concen: 37.223 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

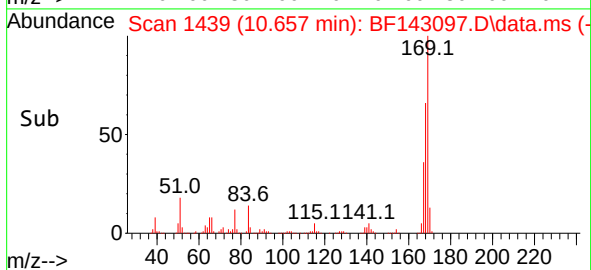
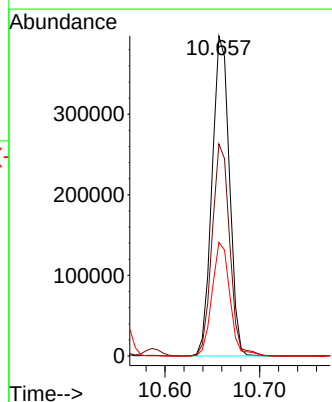
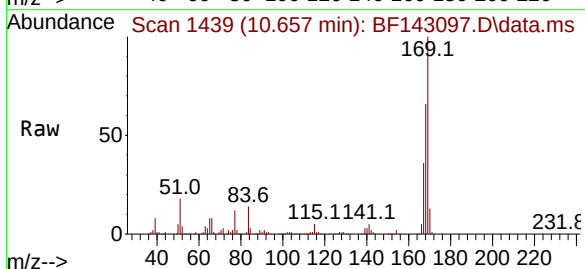
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

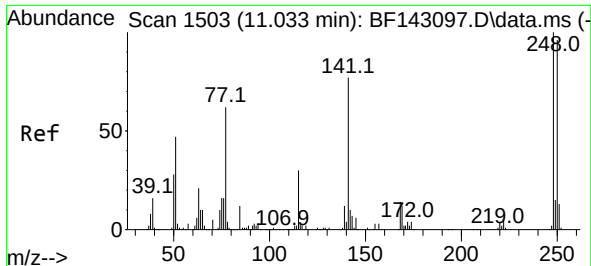
Tgt Ion:198 Resp: 47349
Ion Ratio Lower Upper
198 100
51 64.6 44.6 84.6
105 49.3 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 38.827 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:169 Resp: 503590
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.6
167 35.5 28.4 42.6





#67

4-Bromophenyl-phenylether

Concen: 39.088 ng

RT: 11.033 min Scan# 1503

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

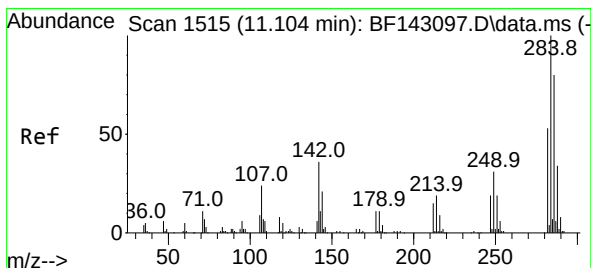
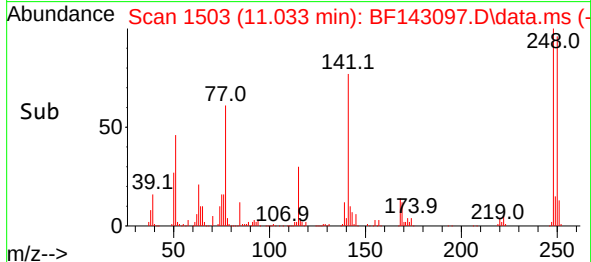
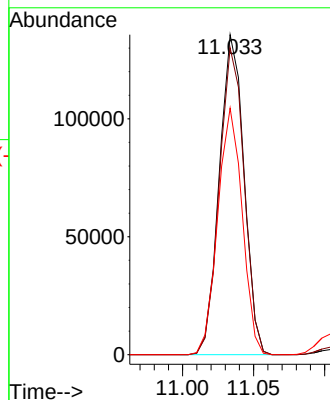
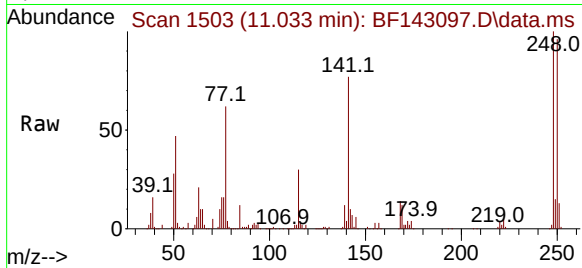
Tgt Ion:248 Resp: 164133

Ion Ratio Lower Upper

248 100

250 95.9 76.7 115.1

141 77.1 61.7 92.5



#68

Hexachlorobenzene

Concen: 39.034 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

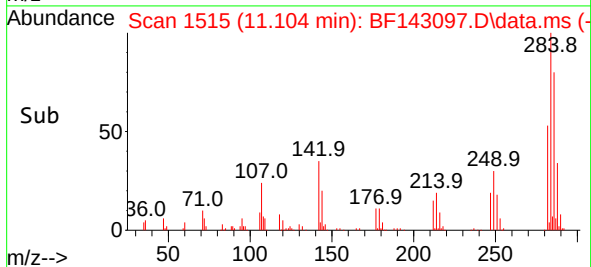
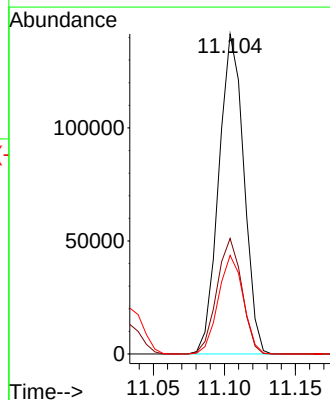
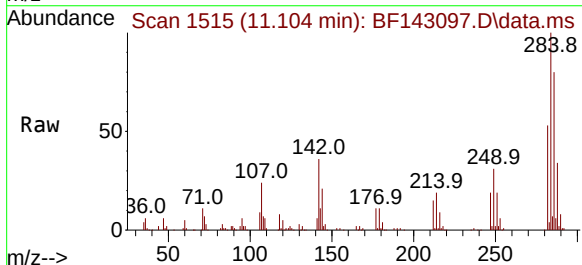
Tgt Ion:284 Resp: 173911

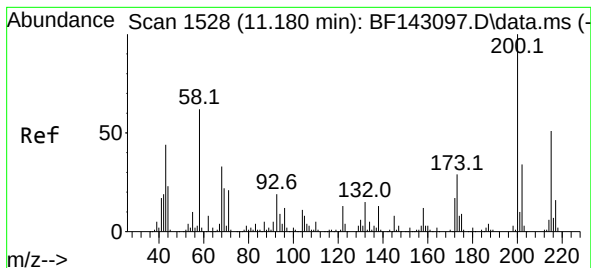
Ion Ratio Lower Upper

284 100

142 36.1 28.9 43.3

249 30.8 24.6 37.0





#69

Atrazine

Concen: 40.206 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

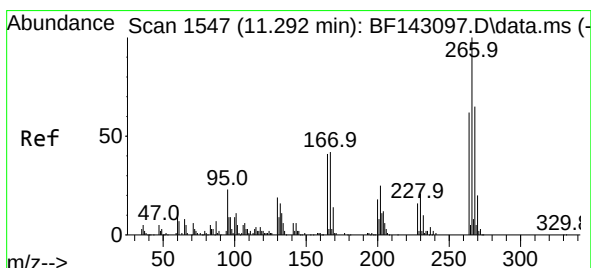
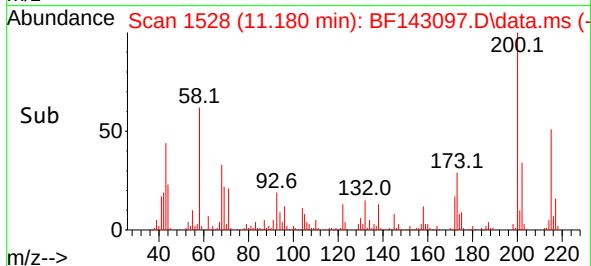
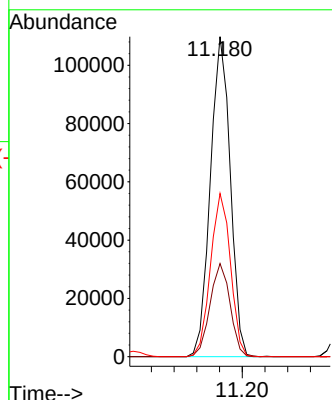
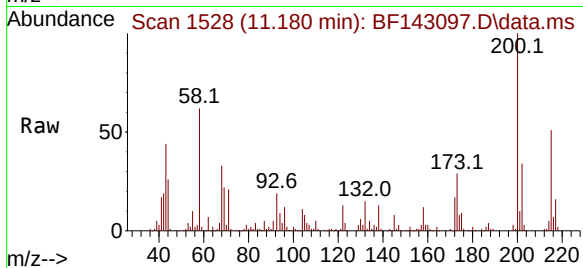
Tgt Ion:200 Resp: 133416

Ion Ratio Lower Upper

200 100

173 29.1 9.1 49.1

215 51.0 31.0 71.0



#70

Pentachlorophenol

Concen: 39.938 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

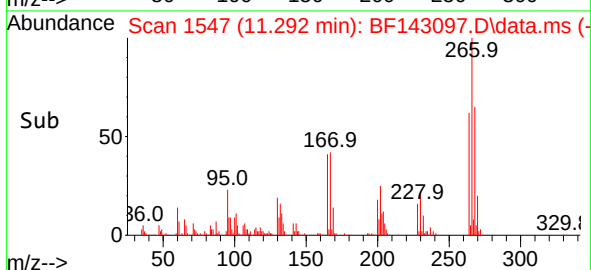
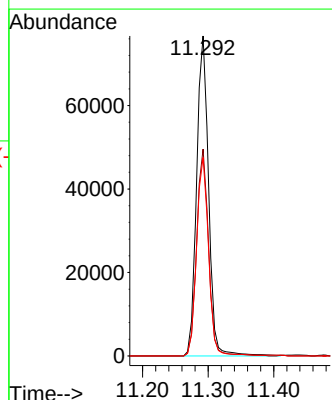
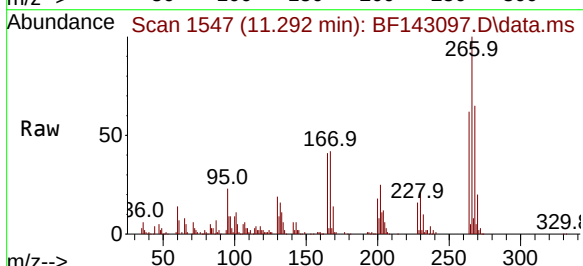
Tgt Ion:266 Resp: 97625

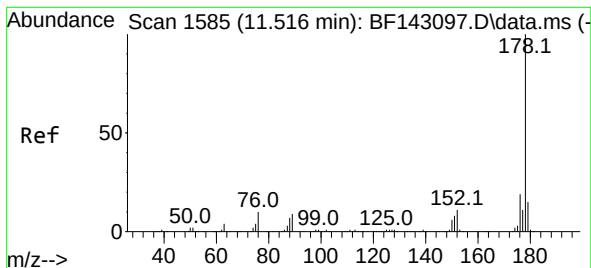
Ion Ratio Lower Upper

266 100

268 64.7 51.8 77.6

264 62.1 49.7 74.5





#71

Phenanthrene

Concen: 38.609 ng

RT: 11.516 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

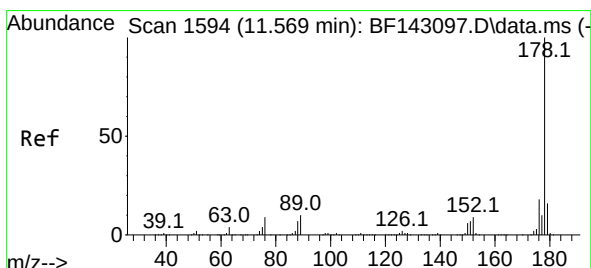
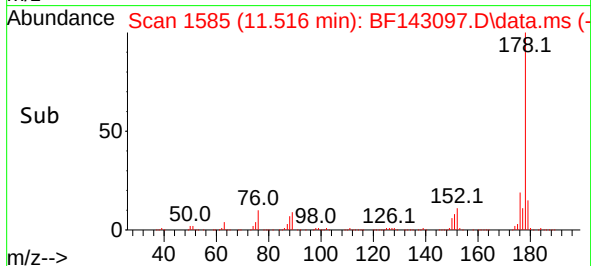
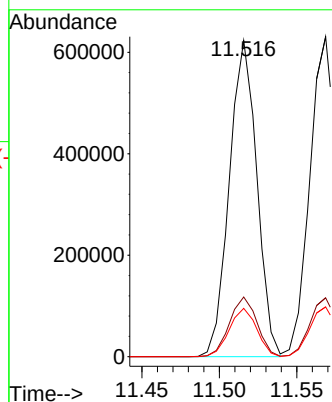
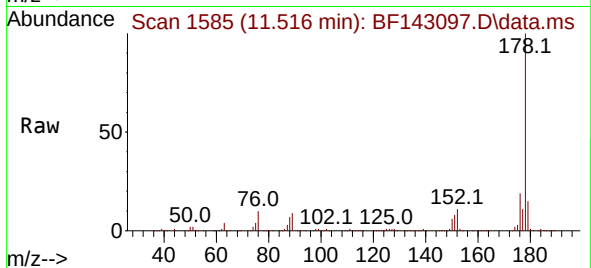
Tgt Ion:178 Resp: 769372

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.3 12.2 18.4



#72

Anthracene

Concen: 38.961 ng

RT: 11.569 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

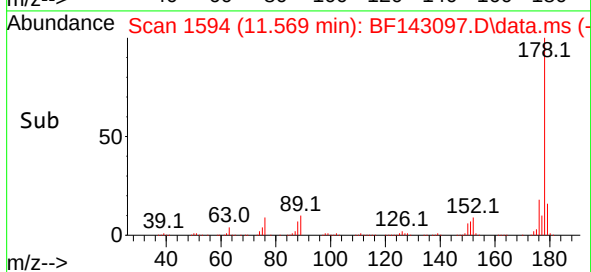
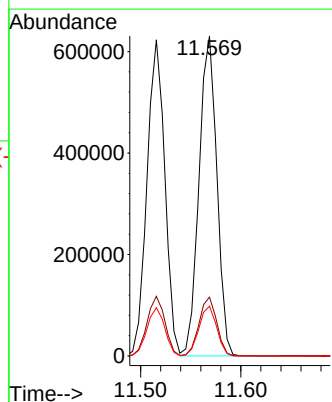
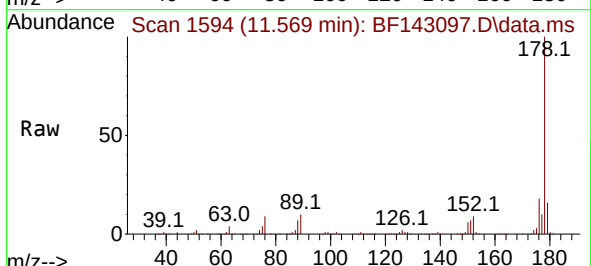
Tgt Ion:178 Resp: 780754

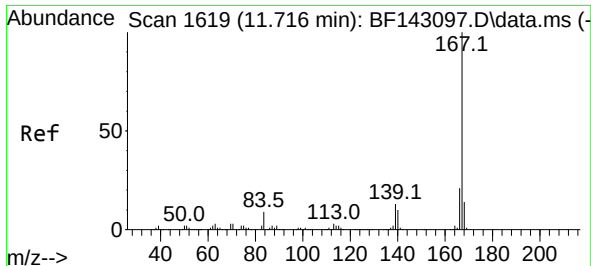
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.5 12.4 18.6

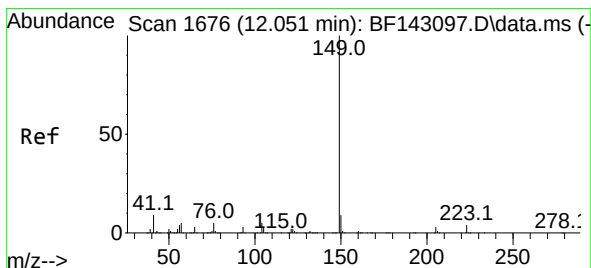
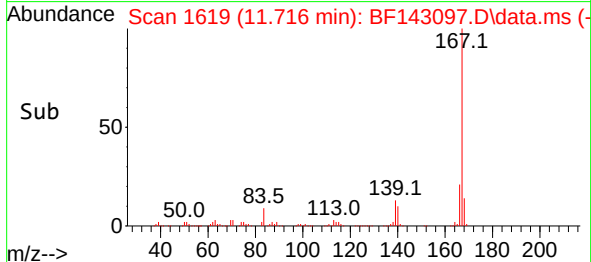
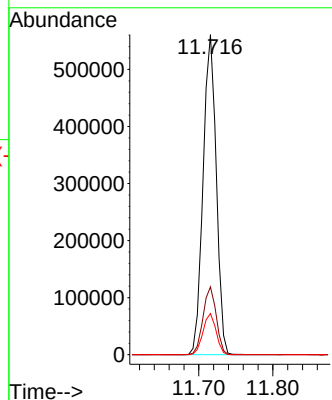
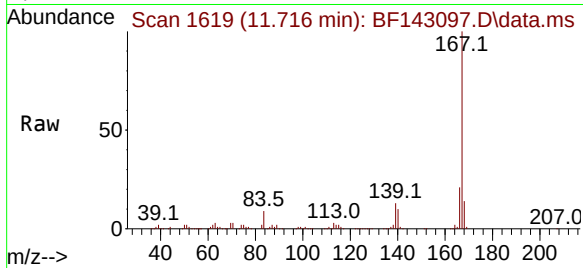




#73
 Carbazole
 Concen: 38.572 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. 0.000 min
 Lab File: BF143097.D
 Acq: 15 Jul 2025 15:05

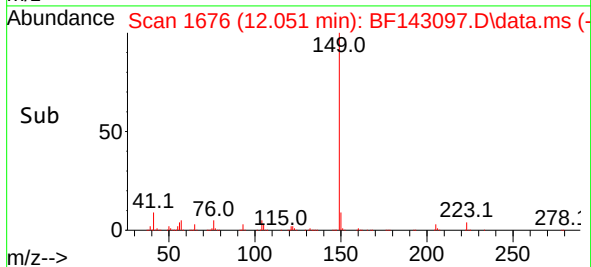
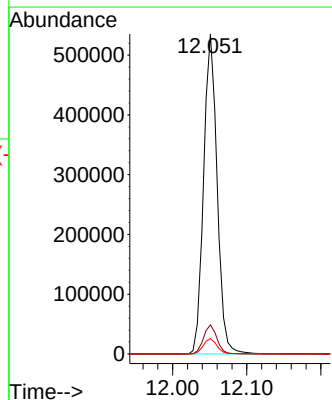
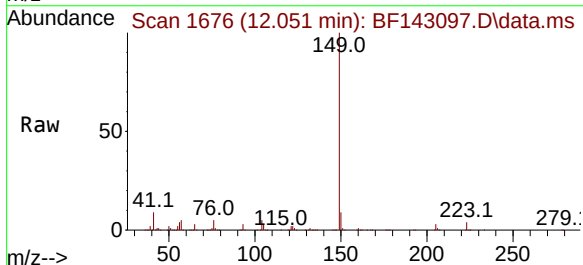
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

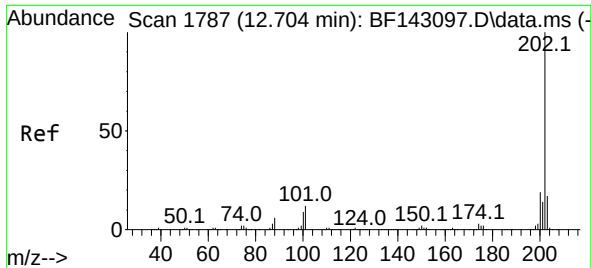
Tgt Ion:167 Resp: 692468
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.4
 139 12.8 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 41.288 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. 0.000 min
 Lab File: BF143097.D
 Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 680394
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.3 10.9
 104 4.8 3.8 5.8

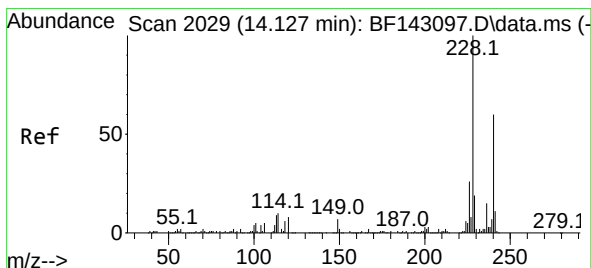
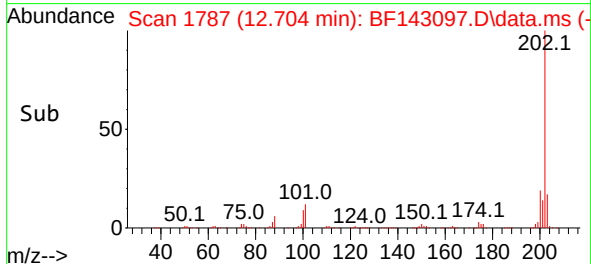
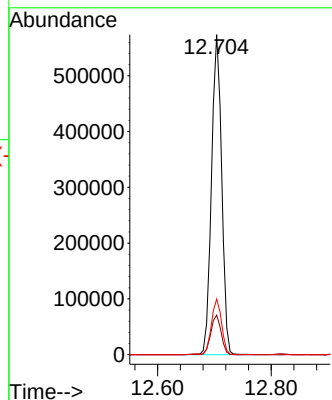
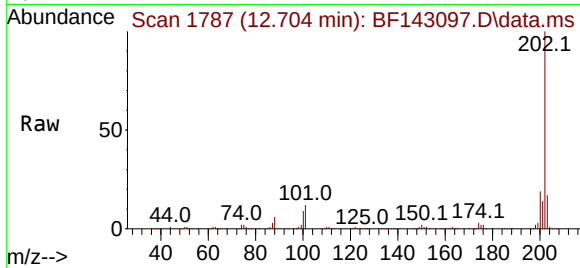




#75
Fluoranthene
Concen: 39.115 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

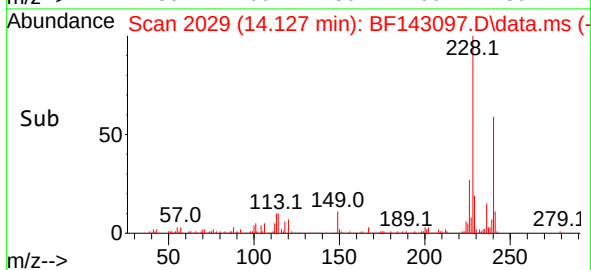
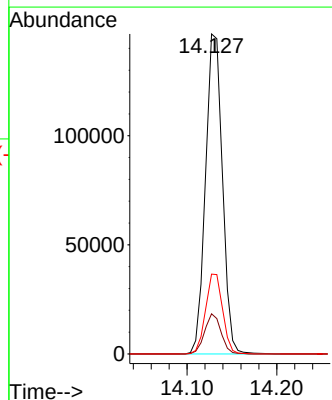
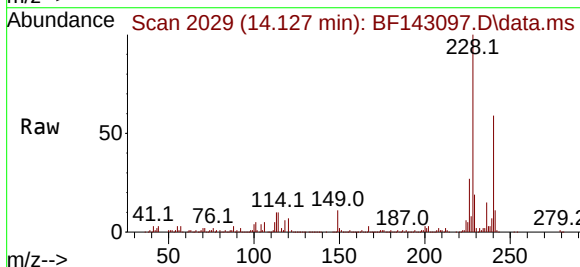
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

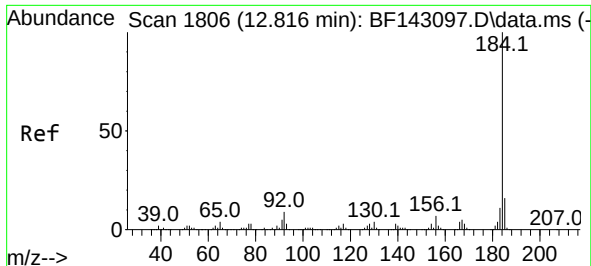
Tgt Ion:202 Resp: 708736
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.4
203 17.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:240 Resp: 192349
Ion Ratio Lower Upper
240 100
120 12.5 10.0 15.0
236 25.0 20.0 30.0

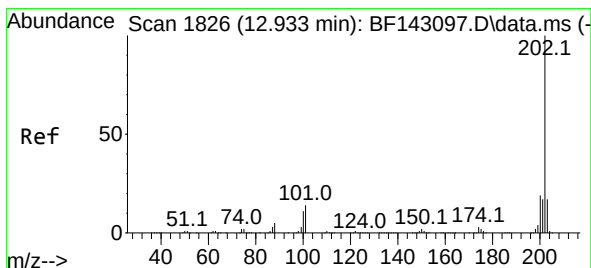
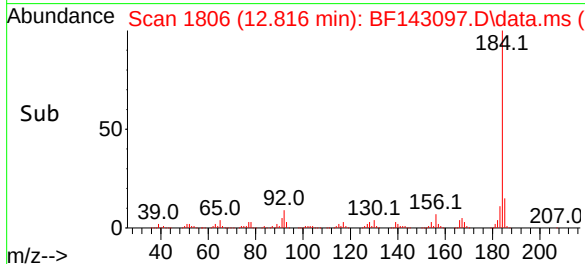
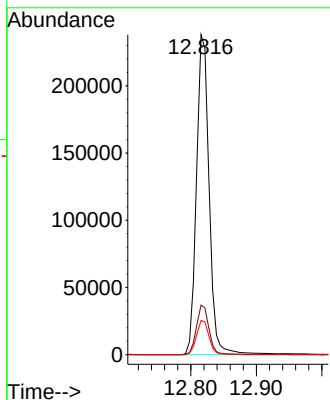
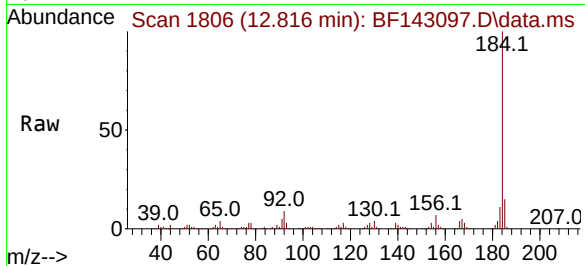




#77
Benzidine
Concen: 48.989 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

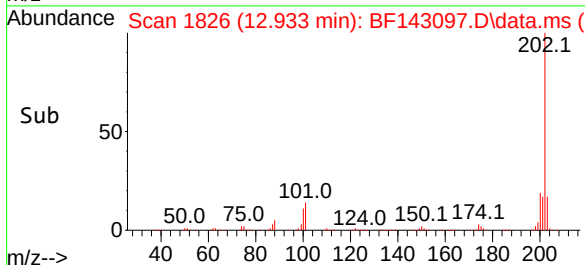
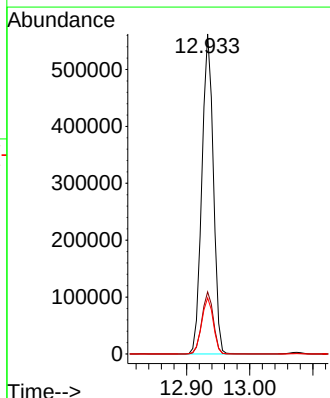
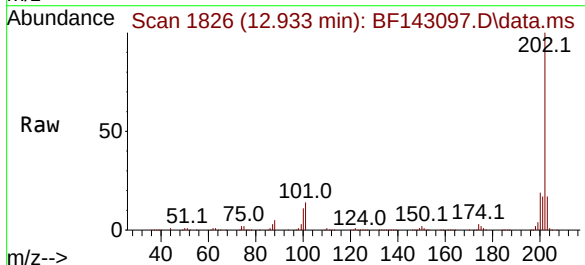
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

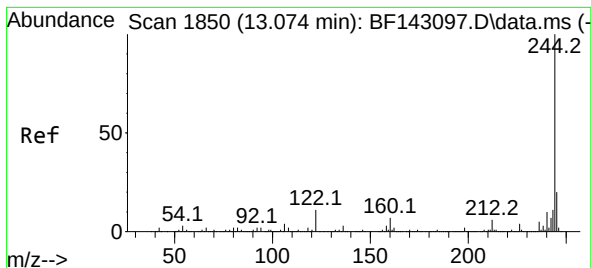
Tgt Ion:184 Resp: 321029
Ion Ratio Lower Upper
184 100
185 15.5 12.4 18.6
183 10.7 8.6 12.8



#78
Pyrene
Concen: 39.706 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:202 Resp: 708631
Ion Ratio Lower Upper
202 100
200 19.4 15.5 23.3
203 17.5 14.0 21.0





#79

Terphenyl-d14

Concen: 78.547 ng

RT: 13.074 min Scan# 1850

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

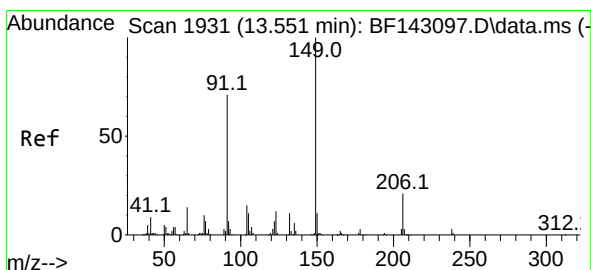
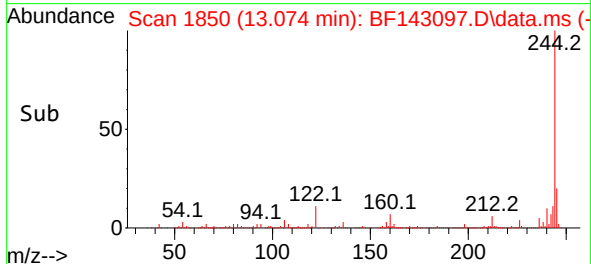
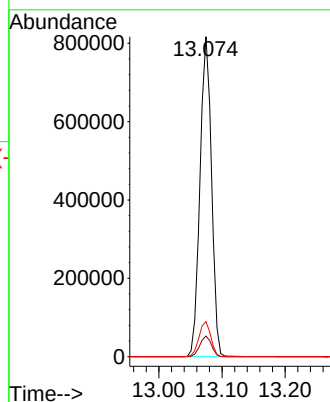
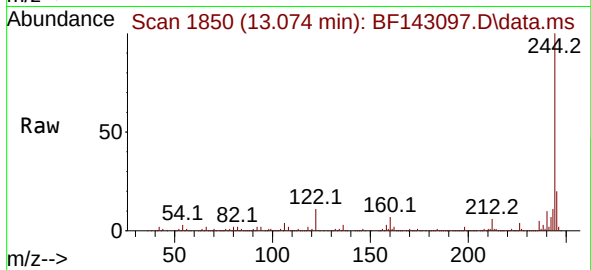
Tgt Ion:244 Resp: 1033540

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.0 8.8 13.2



#80

Butylbenzylphthalate

Concen: 37.625 ng

RT: 13.551 min Scan# 1931

Delta R.T. -0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

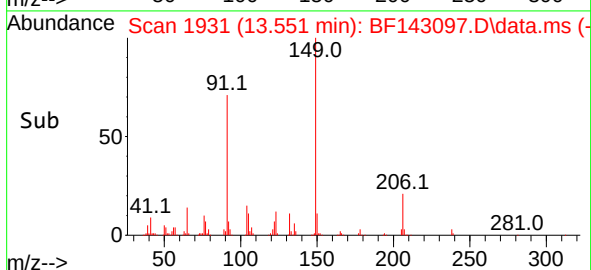
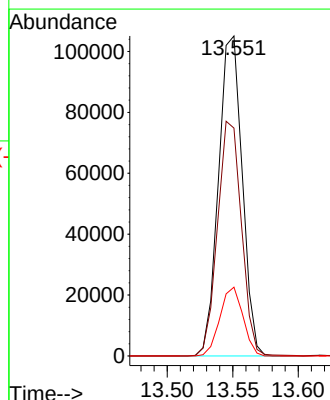
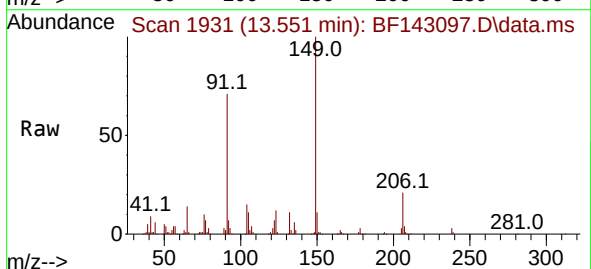
Tgt Ion:149 Resp: 132061

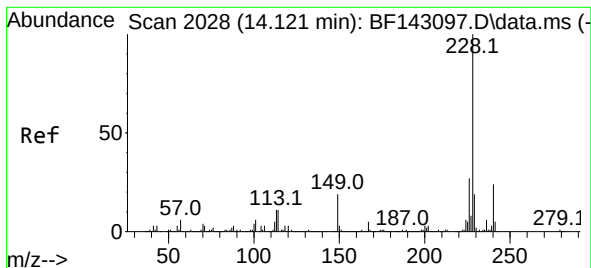
Ion Ratio Lower Upper

149 100

91 71.2 57.0 85.4

206 21.5 17.2 25.8





#81

Benzo(a)anthracene

Concen: 40.424 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

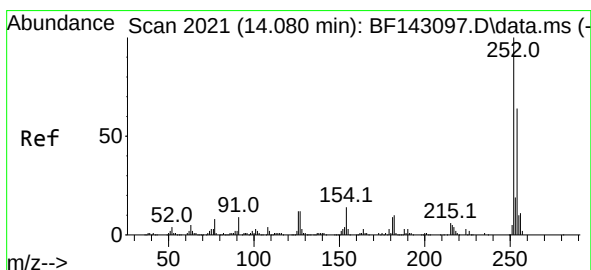
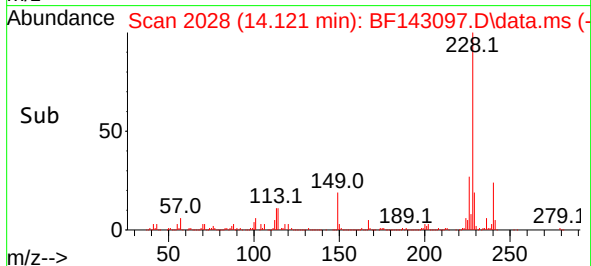
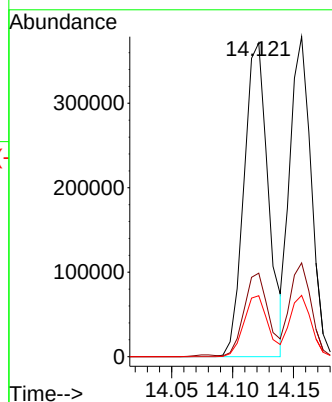
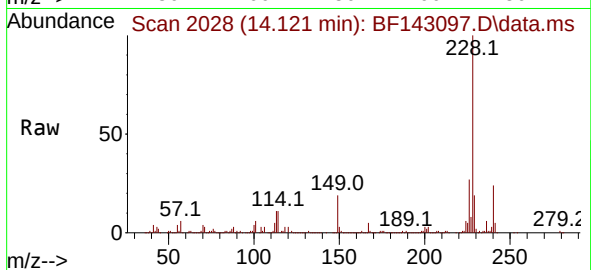
Tgt Ion:228 Resp: 518137

Ion Ratio Lower Upper

228 100

226 26.6 21.3 31.9

229 19.4 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 39.841 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

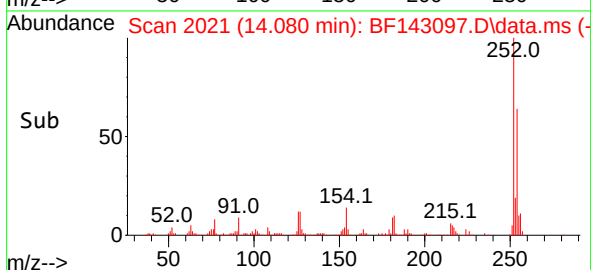
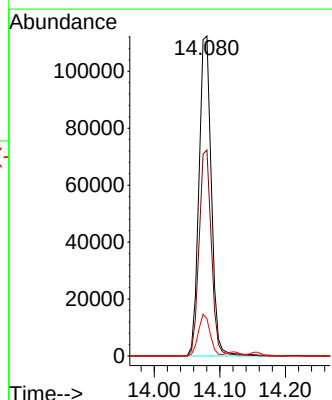
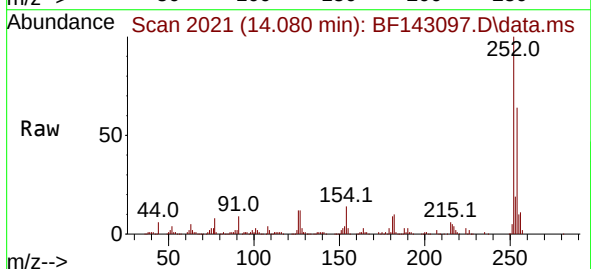
Tgt Ion:252 Resp: 148294

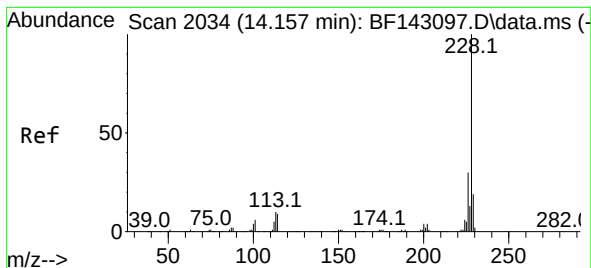
Ion Ratio Lower Upper

252 100

254 64.4 51.5 77.3

126 11.7 9.4 14.0





#83

Chrysene

Concen: 39.134 ng

RT: 14.157 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

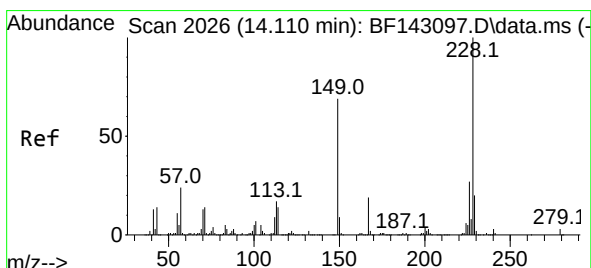
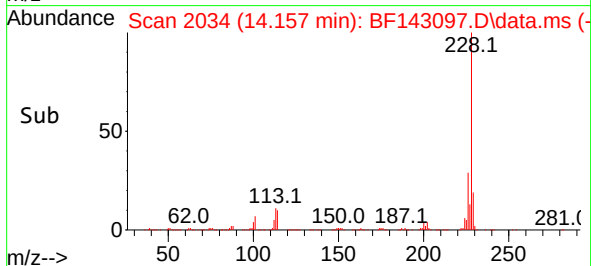
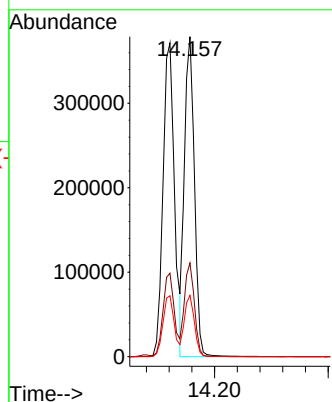
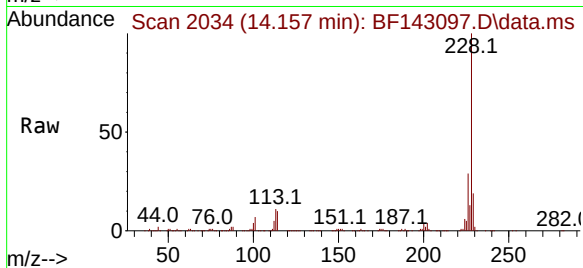
Tgt Ion:228 Resp: 461979

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

229 19.1 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.454 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

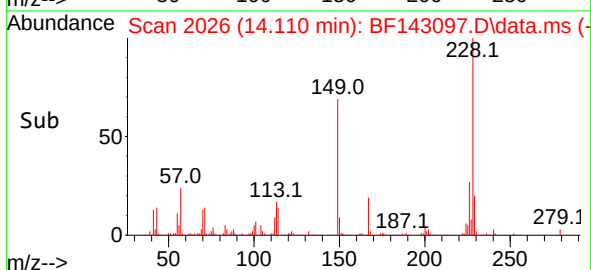
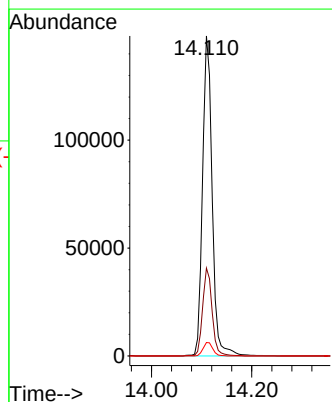
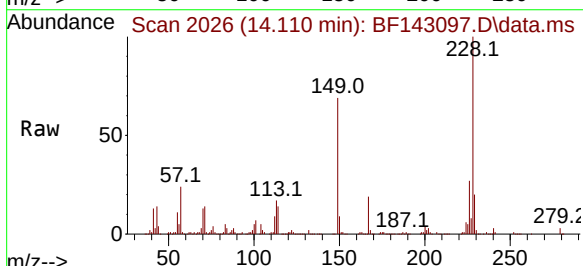
Tgt Ion:149 Resp: 198176

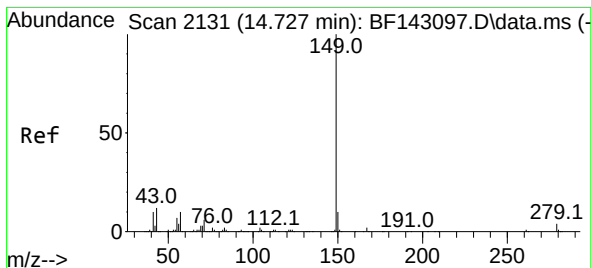
Ion Ratio Lower Upper

149 100

167 27.4 21.9 32.9

279 4.2 3.4 5.0

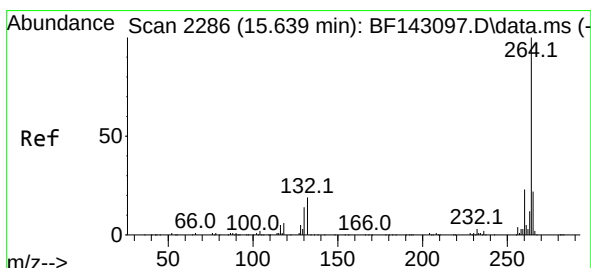
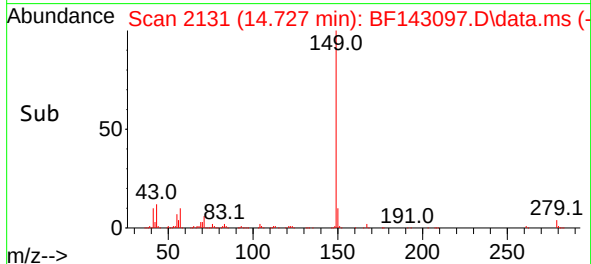
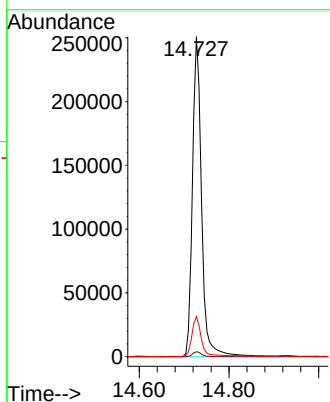
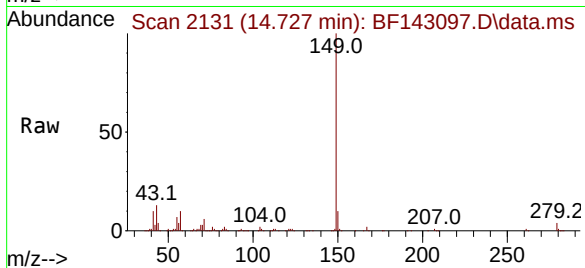




#85
Di-n-octyl phthalate
Concen: 36.531 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

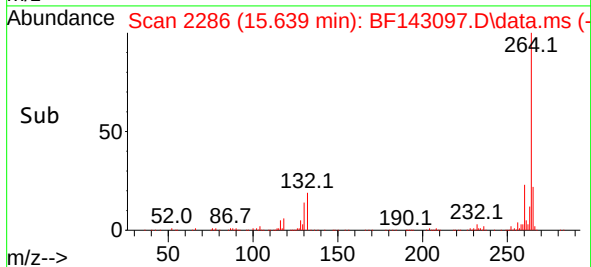
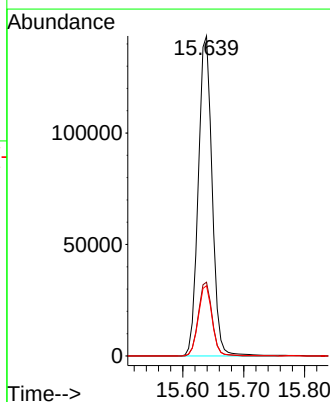
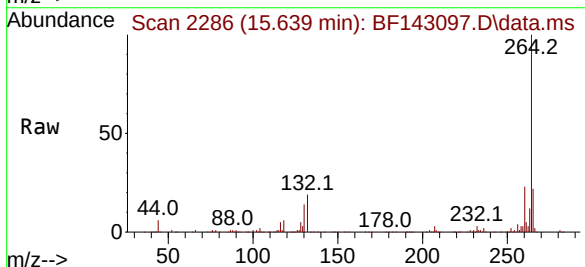
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

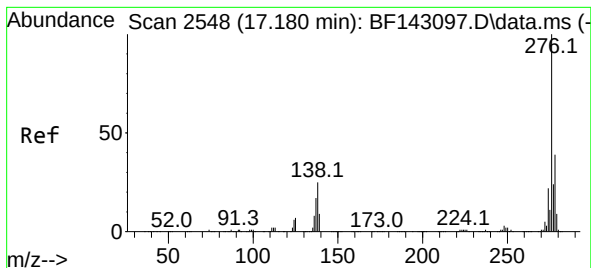
Tgt Ion:149 Resp: 354747
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 13.3 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:264 Resp: 226517
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.912 ng

RT: 17.180 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

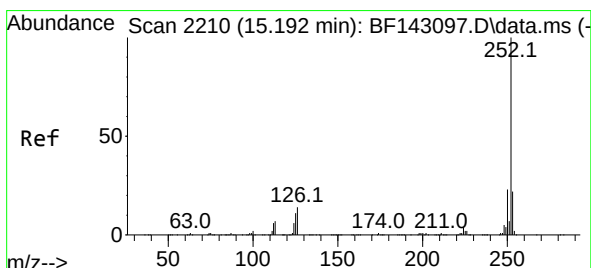
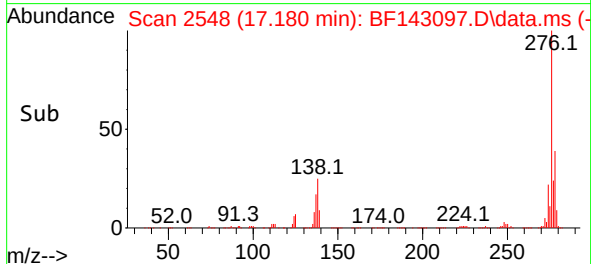
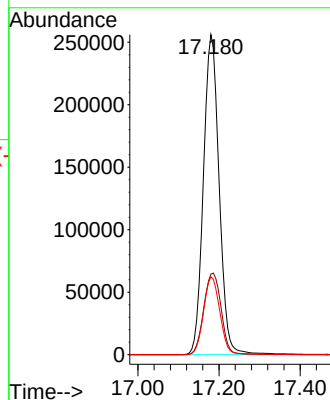
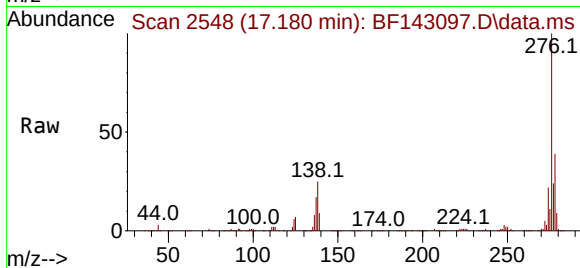
Tgt Ion:276 Resp: 689277

Ion Ratio Lower Upper

276 100

138 28.3 22.6 34.0

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 37.520 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143097.D

Acq: 15 Jul 2025 15:05

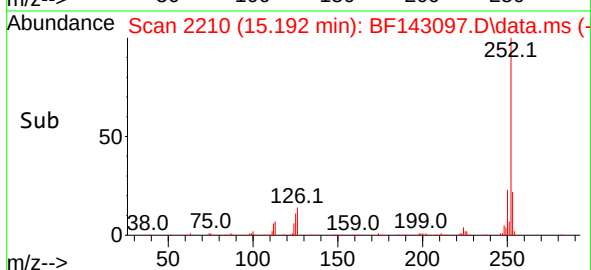
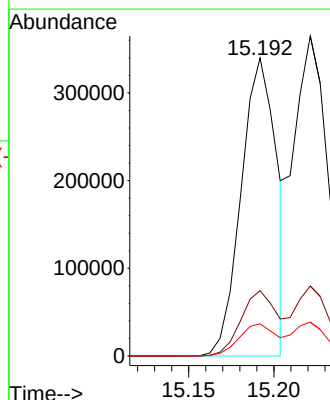
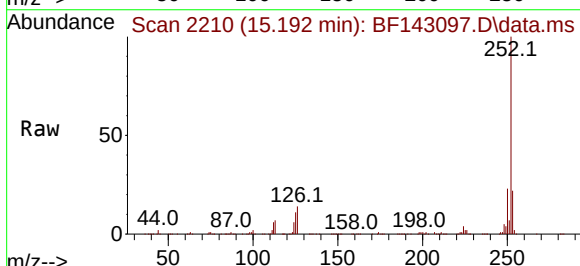
Tgt Ion:252 Resp: 490240

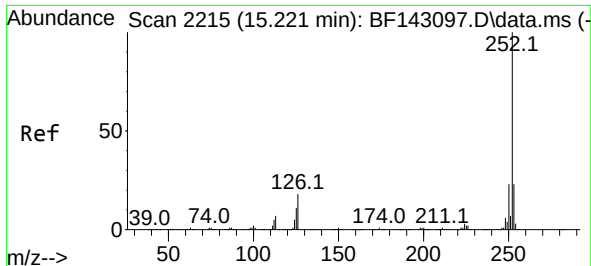
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.8 8.6 13.0

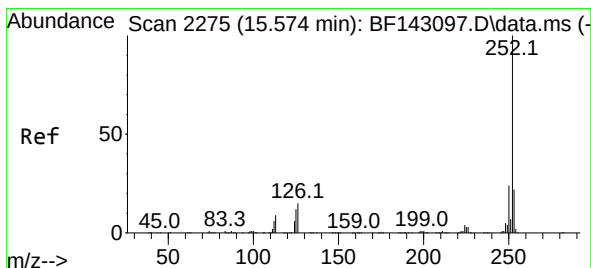
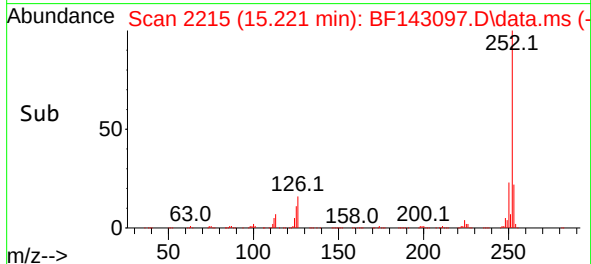
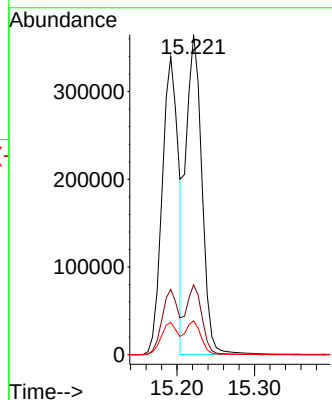
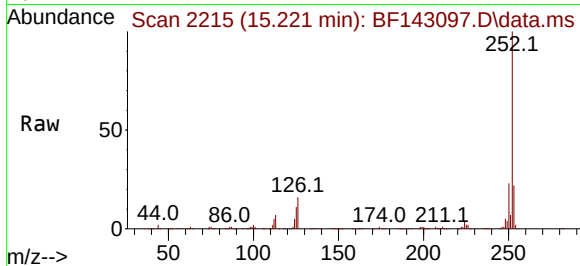




#89
Benzo(k)fluoranthene
Concen: 41.721 ng
RT: 15.221 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

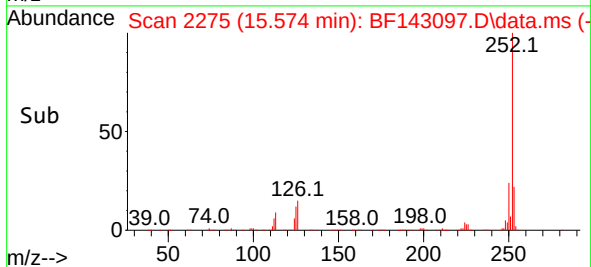
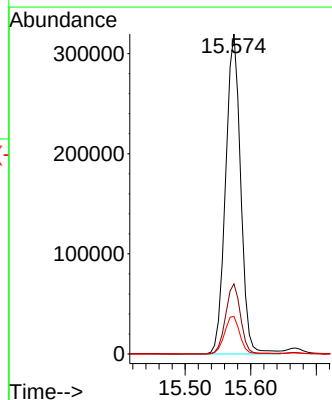
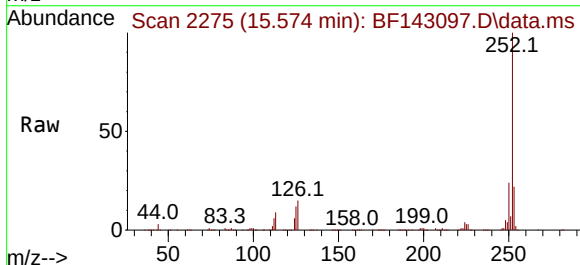
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

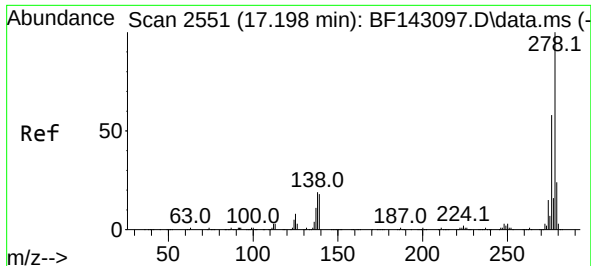
Tgt Ion:252 Resp: 520058
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 10.6 8.5 12.7



#90
Benzo(a)pyrene
Concen: 41.215 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 509307
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 11.7 9.4 14.0

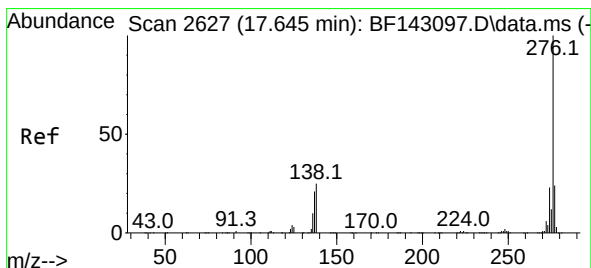
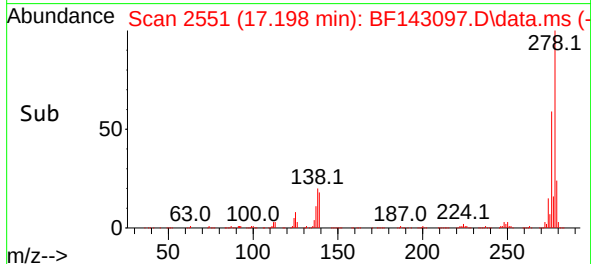
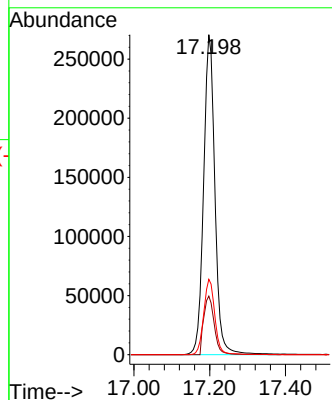
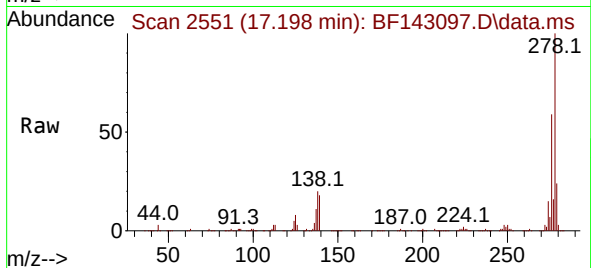




#91
Dibenzo(a,h)anthracene
Concen: 40.782 ng
RT: 17.198 min Scan# 2551
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

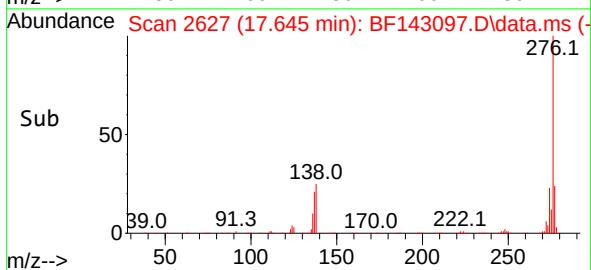
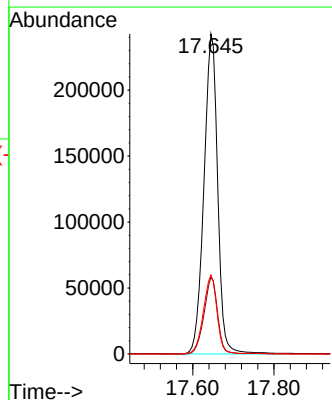
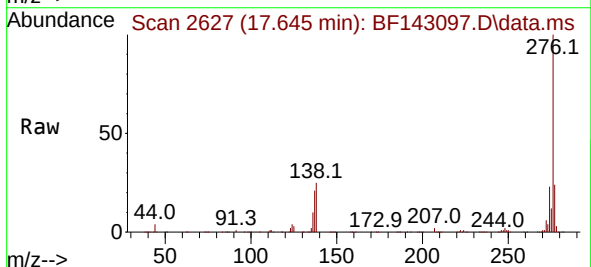
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 561661
Ion Ratio Lower Upper
278 100
139 18.3 14.6 22.0
279 23.5 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 40.584 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:276 Resp: 569850
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 24.7 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143098.D
 Acq On : 15 Jul 2025 15:35
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Jul 15 17:41:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	119035	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	456501	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	223126	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	354075	20.000	ng	0.00
76) Chrysene-d12	14.127	240	183692	20.000	ng	0.00
86) Perylene-d12	15.633	264	221502	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	776953	103.124	ng	0.00
7) Phenol-d6	6.587	99	978105	103.280	ng	0.00
23) Nitrobenzene-d5	7.528	82	911721	112.035	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	227678	114.439	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1628659	97.028	ng	0.00
79) Terphenyl-d14	13.075	244	1271626	101.195	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.811	88	196652	52.435	ng 99
3) Pyridine	3.581	79	500208	52.670	ng 99
4) n-Nitrosodimethylamine	3.528	42	261539	53.153	ng 100
6) Aniline	6.628	93	699680	52.465	ng 100
8) 2-Chlorophenol	6.751	128	405741	53.601	ng 100
9) Benzaldehyde	6.516	77	431994	59.864	ng 98
10) Phenol	6.598	94	566269	55.233	ng 97
11) bis(2-Chloroethyl)ether	6.698	93	408091	51.417	ng 98
12) 1,3-Dichlorobenzene	6.910	146	437876	51.203	ng 99
13) 1,4-Dichlorobenzene	6.987	146	441012	51.260	ng 100
14) 1,2-Dichlorobenzene	7.140	146	421724	51.401	ng 98
15) Benzyl Alcohol	7.104	79	373560	53.234	ng 99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	748892	51.187	ng 100
17) 2-Methylphenol	7.210	107	342357	52.409	ng 99
18) Hexachloroethane	7.487	117	148761	53.114	ng 98
19) n-Nitroso-di-n-propyla...	7.381	70	302685	52.169	ng 99
20) 3+4-Methylphenols	7.363	107	422794	52.776	ng 93
22) Acetophenone	7.375	105	549763	49.959	ng 97
24) Nitrobenzene	7.545	77	439273	55.918	ng 100
25) Isophorone	7.787	82	819274	52.088	ng 100
26) 2-Nitrophenol	7.863	139	160386	50.837	ng 99
27) 2,4-Dimethylphenol	7.893	122	379432	51.976	ng 100
28) bis(2-Chloroethoxy)met...	7.993	93	483608	50.704	ng 99
29) 2,4-Dichlorophenol	8.098	162	319968	53.575	ng 99
30) 1,2,4-Trichlorobenzene	8.193	180	345389	50.958	ng 99
31) Naphthalene	8.275	128	1126659	49.700	ng 100
32) Benzoic acid	7.998	122	180966	49.535	ng 98
33) 4-Chloroaniline	8.310	127	467074	51.237	ng 99
34) Hexachlorobutadiene	8.392	225	207797	51.263	ng 98
35) Caprolactam	8.681	113	99144	53.162	ng 96
36) 4-Chloro-3-methylphenol	8.787	107	350906	52.746	ng 98
37) 2-Methylnaphthalene	8.963	142	681726	50.410	ng 99
38) 1-Methylnaphthalene	9.063	142	701548	50.016	ng 100
40) 1,2,4,5-Tetrachloroben...	9.128	216	335206	51.551	ng 100
41) Hexachlorocyclopentadiene	9.122	237	198811	55.147	ng 98
43) 2,4,6-Trichlorophenol	9.234	196	223131	55.226	ng 99

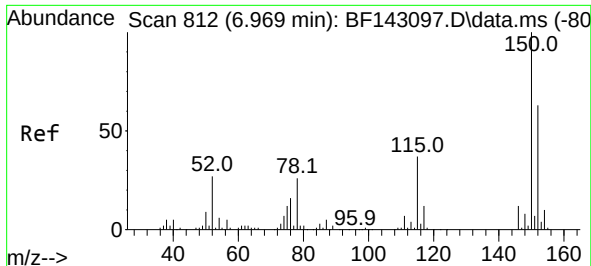
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 Acq On : 15 Jul 2025 15:35
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Jul 15 17:41:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	232905	54.977	ng	99
46) 1,1'-Biphenyl	9.428	154	897834	50.458	ng	100
47) 2-Chloronaphthalene	9.451	162	666760	51.007	ng	100
48) 2-Nitroaniline	9.539	65	207291	52.775	ng	98
49) Acenaphthylene	9.869	152	1109586	50.940	ng	99
50) Dimethylphthalate	9.722	163	726121	51.728	ng	100
51) 2,6-Dinitrotoluene	9.781	165	146385	52.497	ng	92
52) Acenaphthene	10.039	154	651291	50.669	ng	100
53) 3-Nitroaniline	9.945	138	177602	58.553	ng	99
54) 2,4-Dinitrophenol	10.051	184	47800	51.931	ng	# 1
55) Dibenzofuran	10.210	168	964545	50.344	ng	100
56) 4-Nitrophenol	10.092	139	133073	55.203	ng	98
57) 2,4-Dinitrotoluene	10.181	165	181610	52.116	ng	99
58) Fluorene	10.557	166	716173	49.859	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	189211	56.202	ng	98
60) Diethylphthalate	10.422	149	702995	51.909	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	348876	50.675	ng	99
62) 4-Nitroaniline	10.557	138	150470	57.045	ng	99
63) Azobenzene	10.704	77	770603	51.451	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	70324	51.847	ng	92
66) n-Nitrosodiphenylamine	10.663	169	634539	51.019	ng	100
67) 4-Bromophenyl-phenylether	11.034	248	211371	52.494	ng	99
68) Hexachlorobenzene	11.104	284	221245	51.785	ng	98
69) Atrazine	11.181	200	172972	54.359	ng	98
70) Pentachlorophenol	11.292	266	131545	56.120	ng	99
71) Phenanthrene	11.516	178	963568	50.425	ng	100
72) Anthracene	11.569	178	979118	50.953	ng	99
73) Carbazole	11.716	167	883827	51.340	ng	100
74) Di-n-butylphthalate	12.051	149	870362	55.079	ng	100
75) Fluoranthene	12.704	202	883558	50.852	ng	100
77) Benzidine	12.816	184	309313	49.425	ng	99
78) Pyrene	12.933	202	880826	51.681	ng	99
80) Butylbenzylphthalate	13.545	149	176615	51.324	ng	96
81) Benzo(a)anthracene	14.122	228	644353	52.641	ng	99
82) 3,3'-Dichlorobenzidine	14.080	252	196472	55.273	ng	100
83) Chrysene	14.157	228	583302	51.740	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	265225	51.119	ng	99
85) Di-n-octyl phthalate	14.727	149	492840	50.100	ng	99
87) Indeno(1,2,3-cd)pyrene	17.180	276	896872	54.440	ng	100
88) Benzo(b)fluoranthene	15.192	252	718106	56.204	ng	100
89) Benzo(k)fluoranthene	15.221	252	602261	49.410	ng	100
90) Benzo(a)pyrene	15.574	252	662193	54.800	ng	99
91) Dibenzo(a,h)anthracene	17.204	278	736672	54.700	ng	99
92) Benzo(g,h,i)perylene	17.651	276	746789	54.390	ng	98

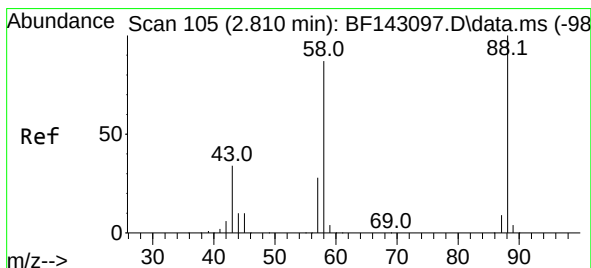
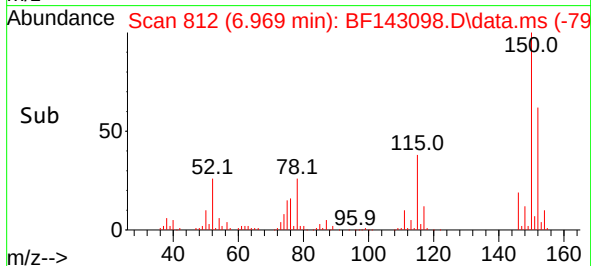
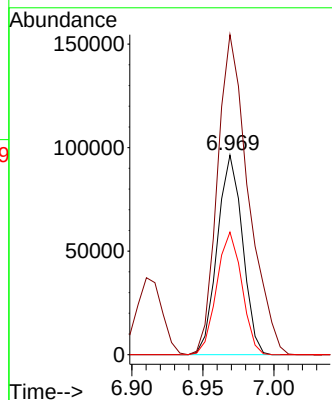
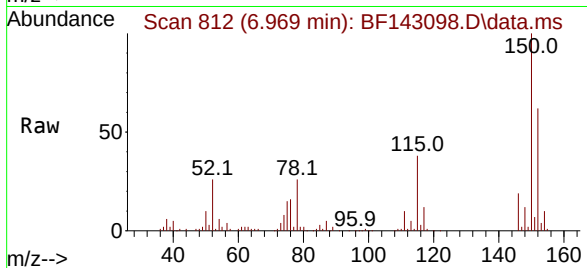
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

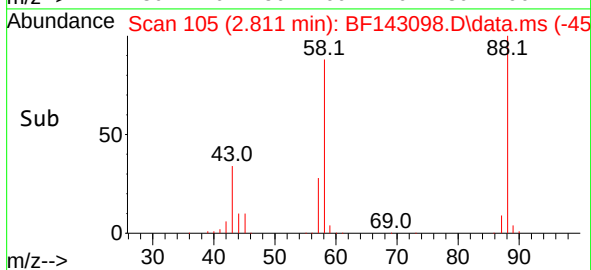
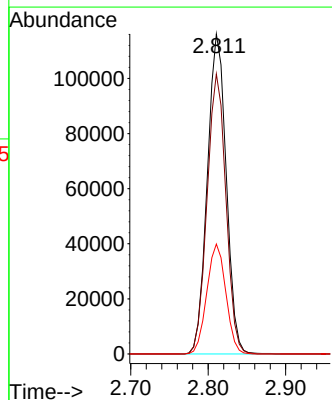
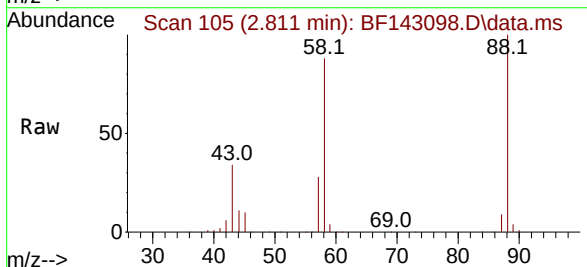
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BNA_F
ClientSampleId :
SSTDICC050

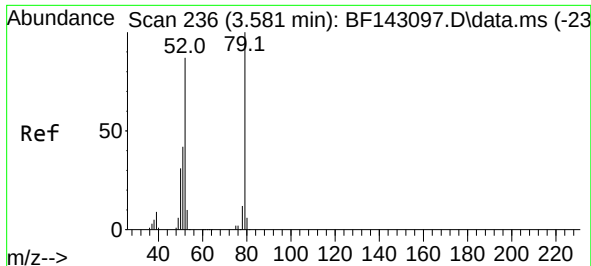
Tgt Ion:152 Resp: 119035
Ion Ratio Lower Upper
152 100
150 160.4 126.5 189.7
115 61.5 47.0 70.6



#2
1,4-Dioxane
Concen: 52.435 ng
RT: 2.811 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 88 Resp: 196652
Ion Ratio Lower Upper
88 100
58 87.3 70.5 105.7
43 34.6 27.3 40.9





#3

Pyridine

Concen: 52.670 ng

RT: 3.581 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

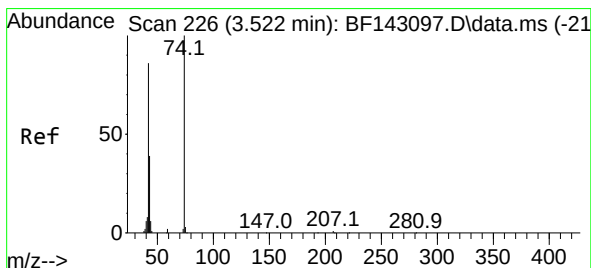
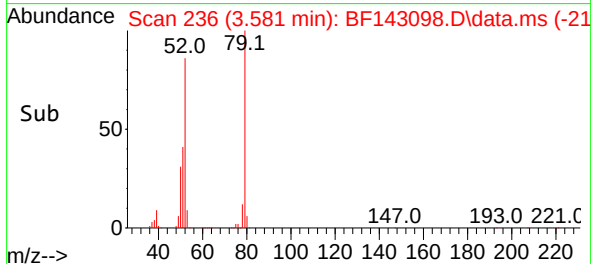
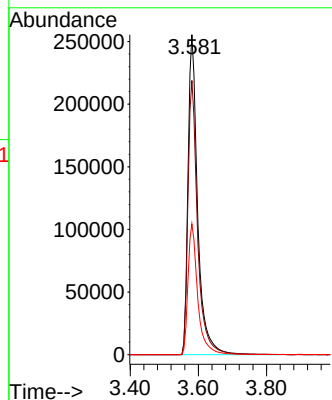
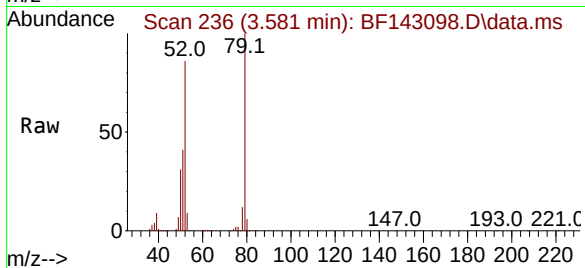
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 500208

Ion	Ratio	Lower	Upper
79	100		
52	85.7	69.2	103.8
51	40.9	33.3	49.9



#4

n-Nitrosodimethylamine

Concen: 53.153 ng

RT: 3.528 min Scan# 227

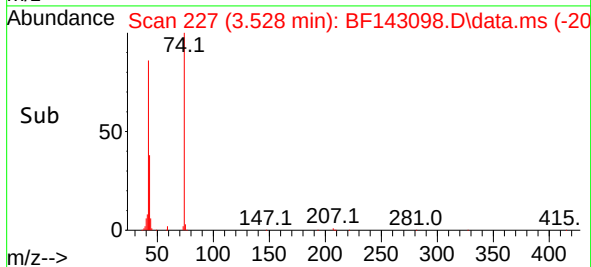
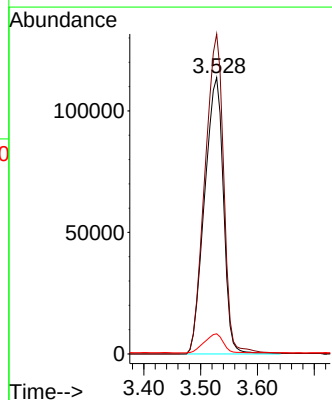
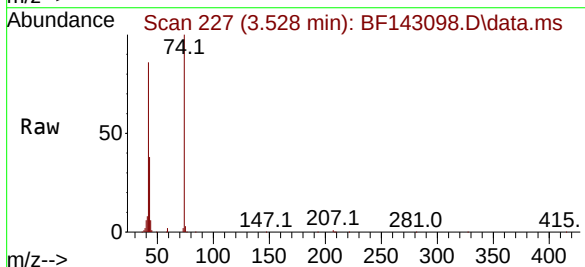
Delta R.T. 0.006 min

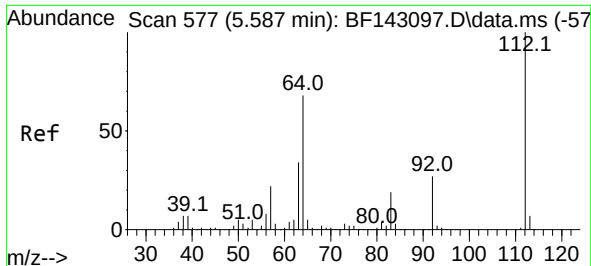
Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Tgt Ion: 42 Resp: 261539

Ion	Ratio	Lower	Upper
42	100		
74	115.8	92.8	139.2
44	7.3	5.8	8.6

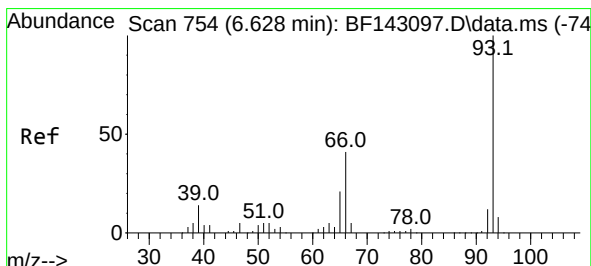
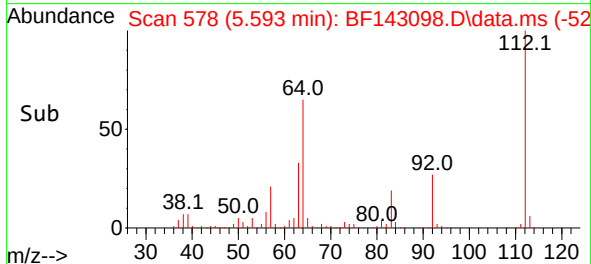
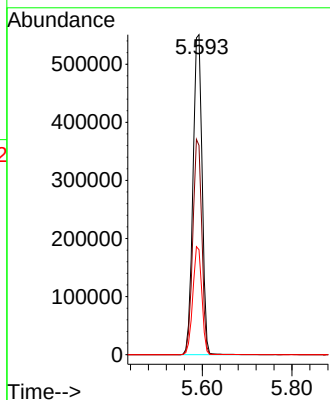
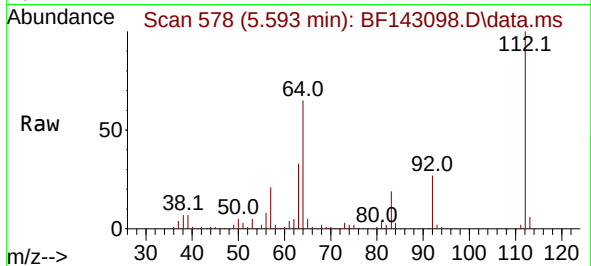




#5
2-Fluorophenol
Concen: 103.124 ng
RT: 5.593 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

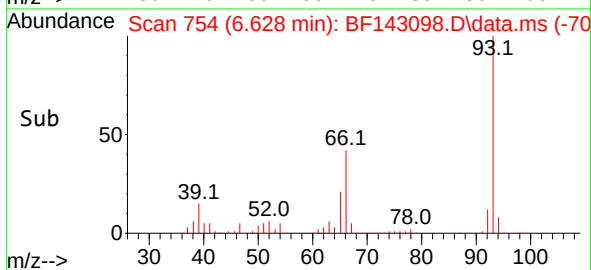
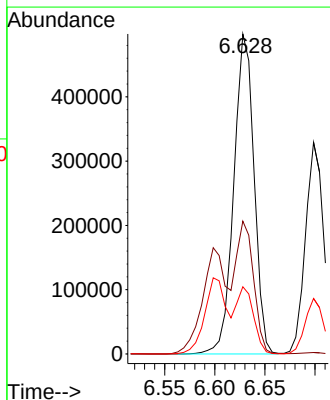
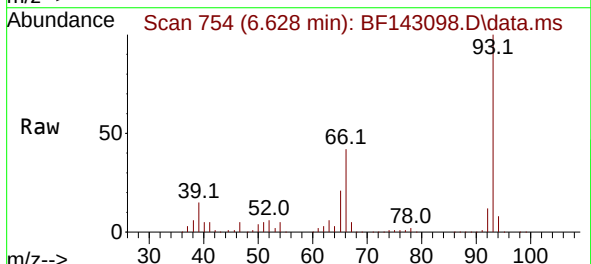
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

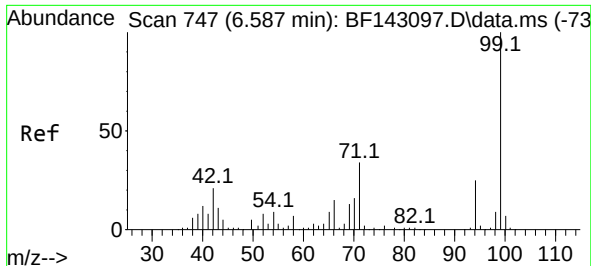
Tgt Ion:112 Resp: 776953
Ion Ratio Lower Upper
112 100
64 65.4 54.6 82.0
63 32.8 27.3 40.9



#6
Aniline
Concen: 52.465 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 93 Resp: 699680
Ion Ratio Lower Upper
93 100
66 41.5 33.1 49.7
65 21.0 16.9 25.3

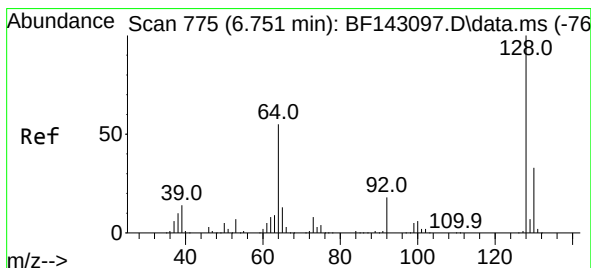
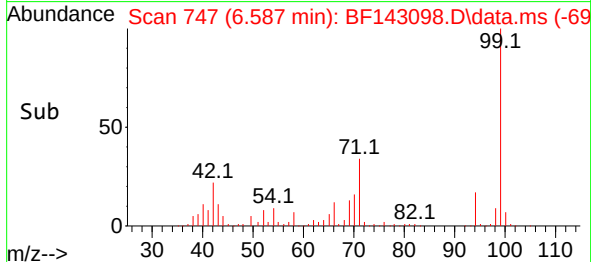
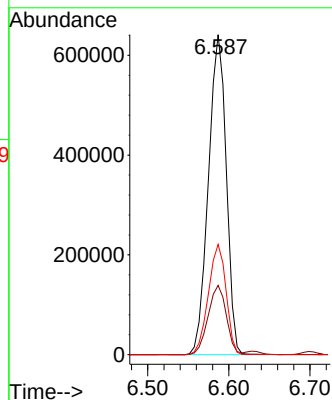
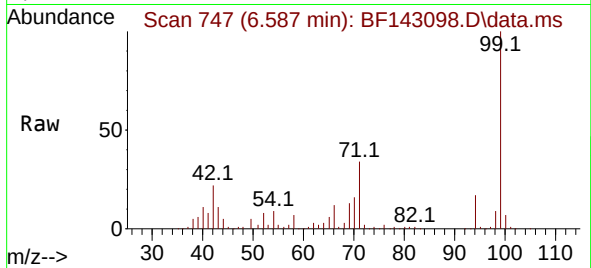




#7
Phenol-d6
Concen: 103.280 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

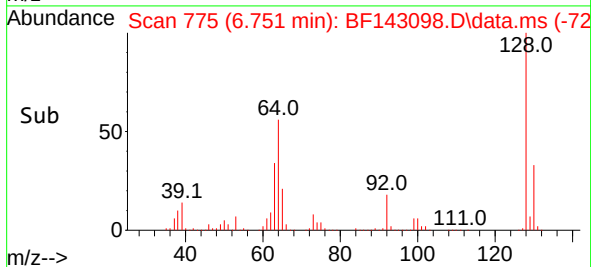
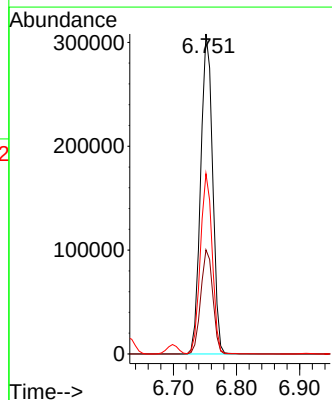
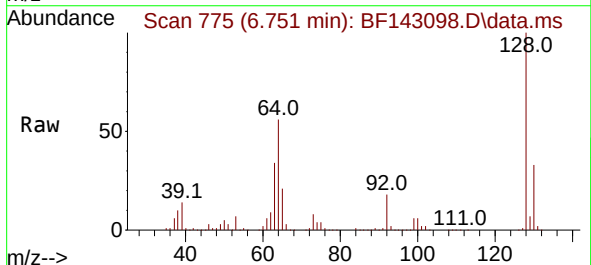
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

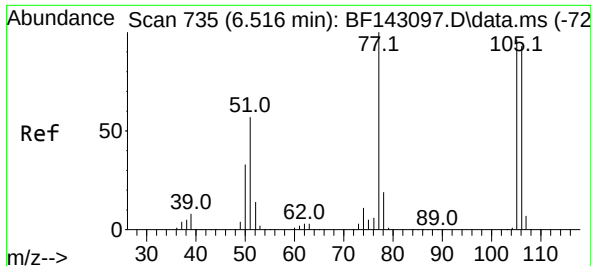
Tgt Ion: 99 Resp: 978105
Ion Ratio Lower Upper
99 100
42 21.7 17.2 25.8
71 34.4 27.4 41.0



#8
2-Chlorophenol
Concen: 53.601 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 128 Resp: 405741
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 56.3 36.1 76.1





#9

Benzaldehyde

Concen: 59.864 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

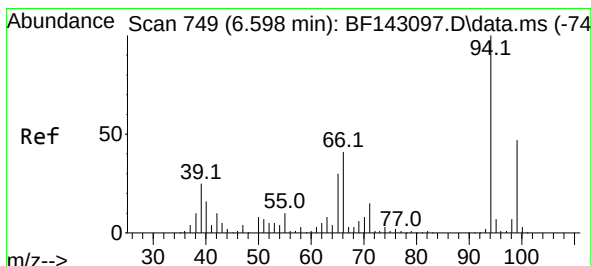
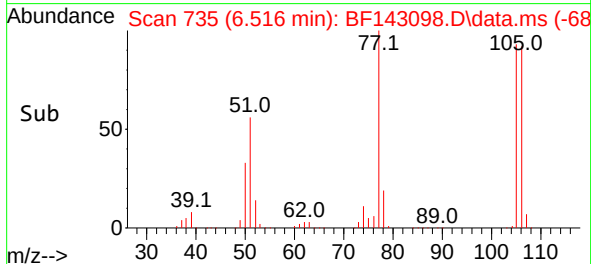
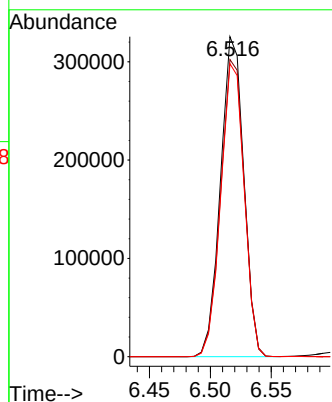
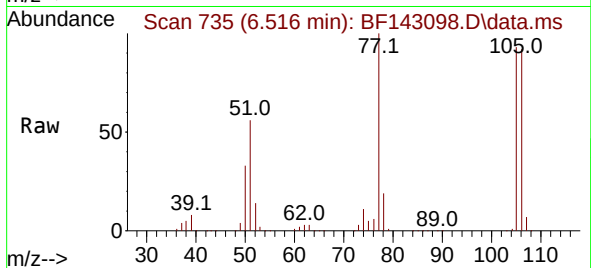
Tgt Ion: 77 Resp: 431994

Ion Ratio Lower Upper

77 100

105 92.9 76.3 116.3

106 91.5 72.8 112.8



#10

Phenol

Concen: 55.233 ng

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

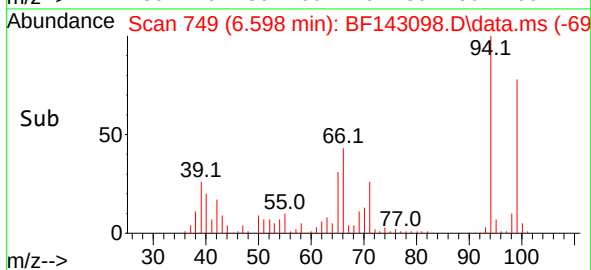
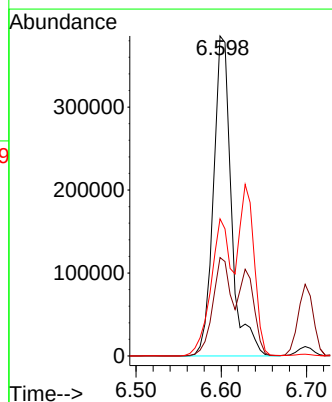
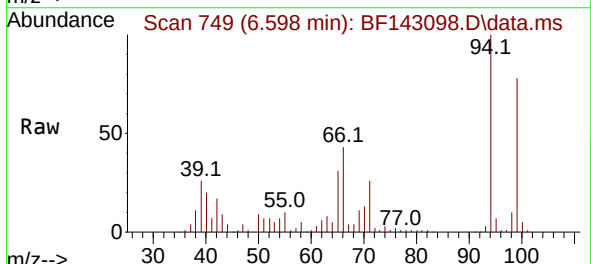
Tgt Ion: 94 Resp: 566269

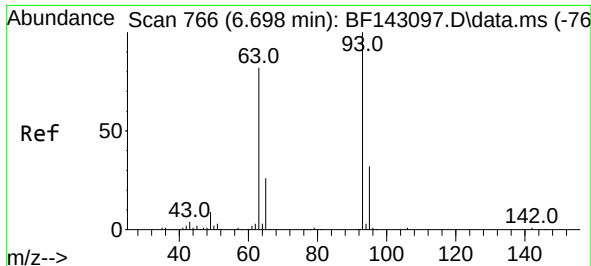
Ion Ratio Lower Upper

94 100

65 30.7 9.8 49.8

66 42.9 20.5 60.5

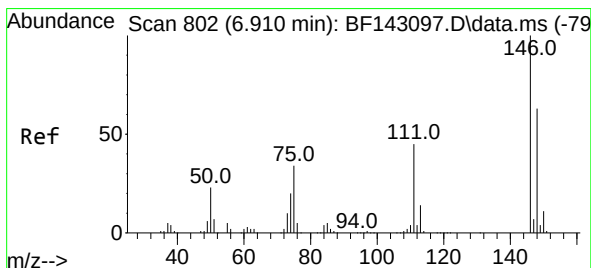
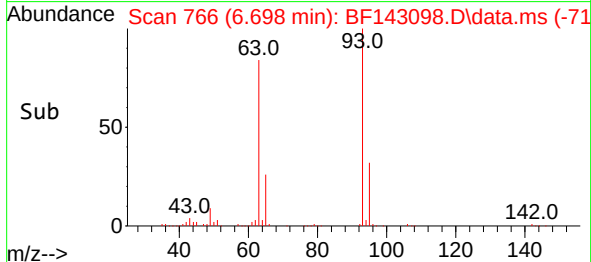
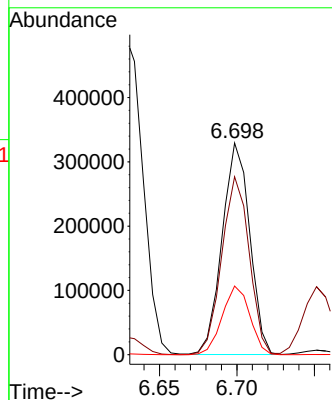
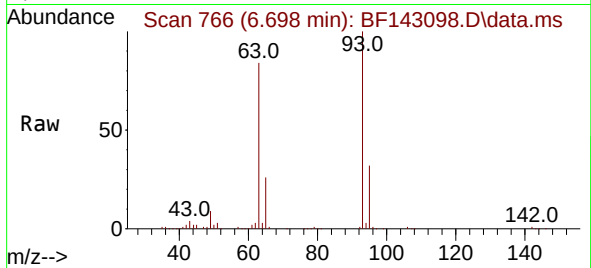




#11
bis(2-Chloroethyl)ether
Concen: 51.417 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

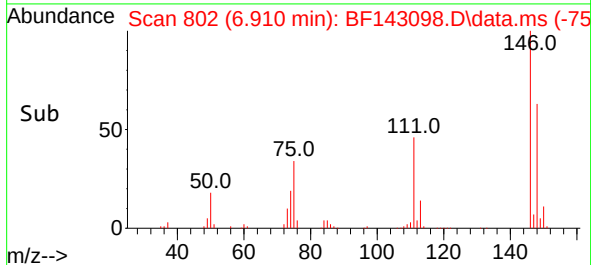
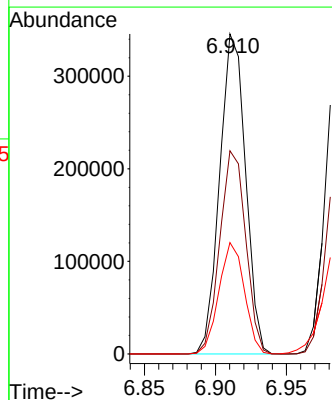
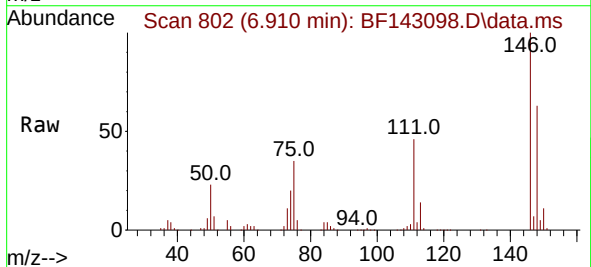
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

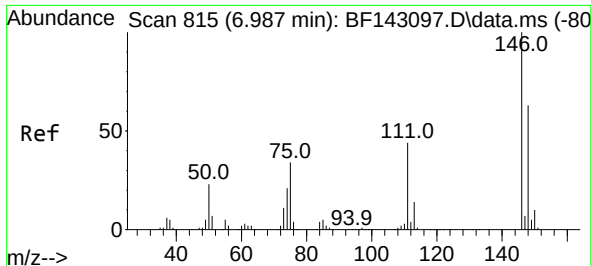
Tgt Ion: 93 Resp: 408091
Ion Ratio Lower Upper
93 100
63 84.0 61.9 101.9
95 32.4 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 51.203 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:146 Resp: 437876
Ion Ratio Lower Upper
146 100
148 63.5 50.1 75.1
75 34.8 27.4 41.0

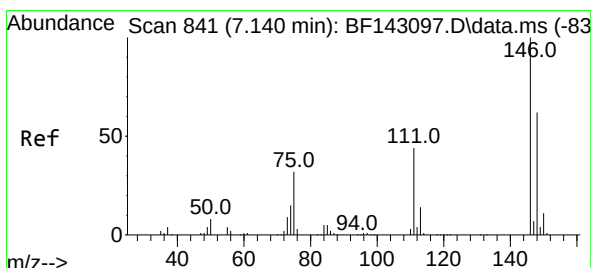
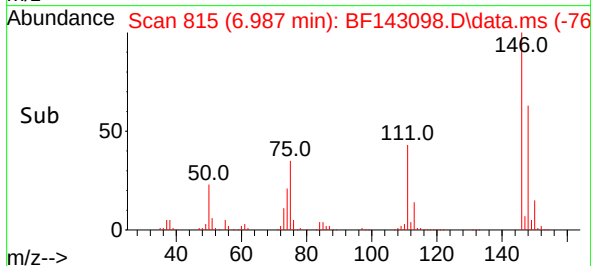
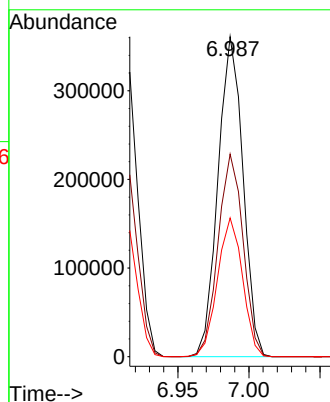
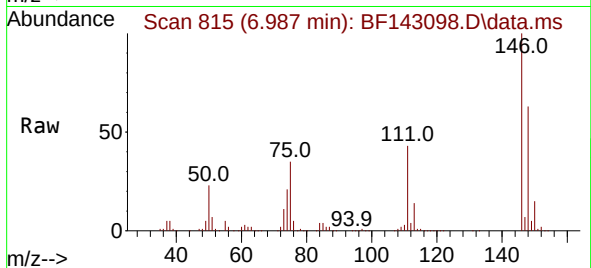




#13
1,4-Dichlorobenzene
Concen: 51.260 ng
RT: 6.987 min Scan# 815
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

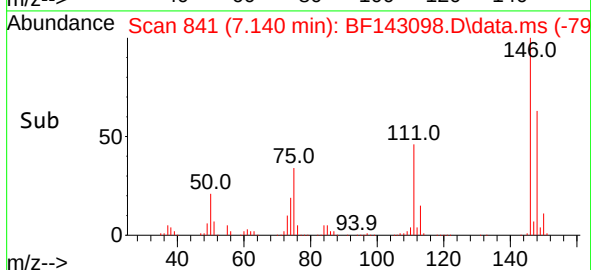
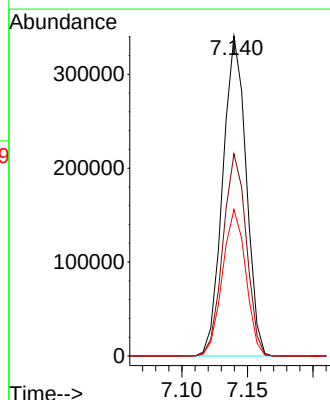
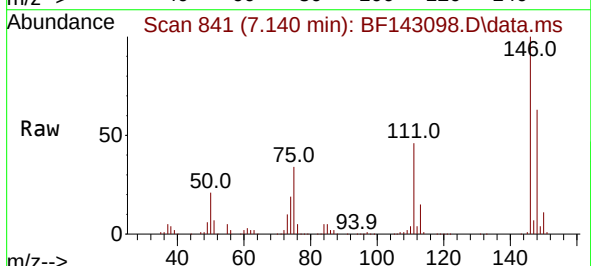
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

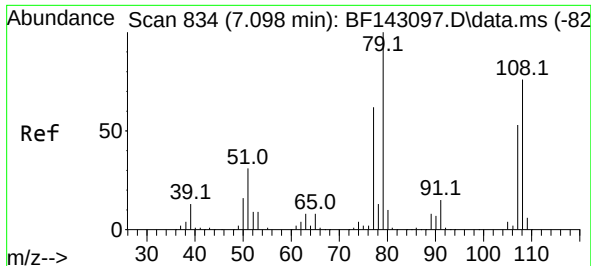
Tgt Ion:146 Resp: 441012
Ion Ratio Lower Upper
146 100
148 63.3 50.6 76.0
111 43.3 35.0 52.6



#14
1,2-Dichlorobenzene
Concen: 51.401 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:146 Resp: 421724
Ion Ratio Lower Upper
146 100
148 63.1 49.8 74.6
111 45.8 35.4 53.0

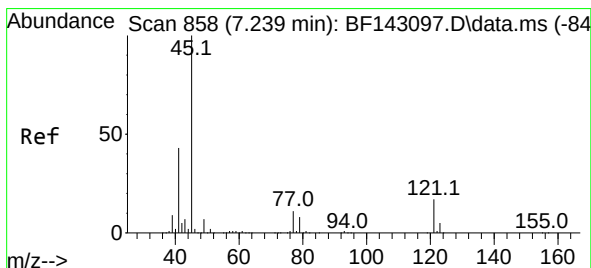
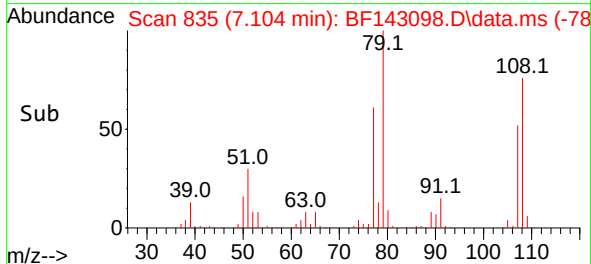
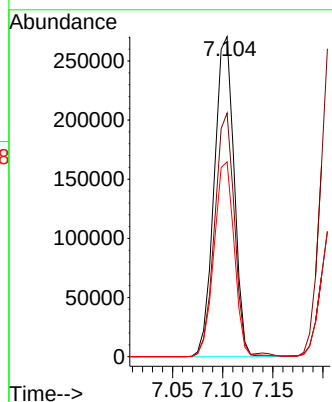
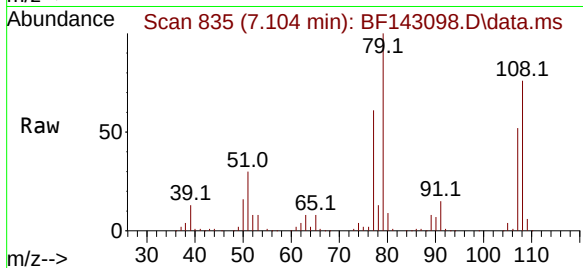




#15
Benzyl Alcohol
Concen: 53.234 ng
RT: 7.104 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

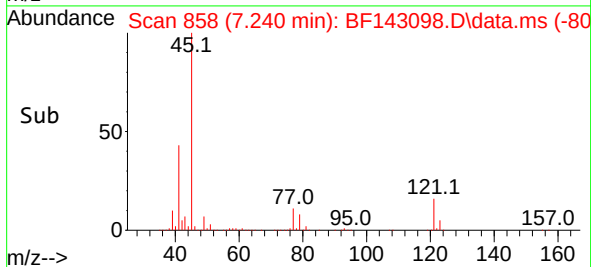
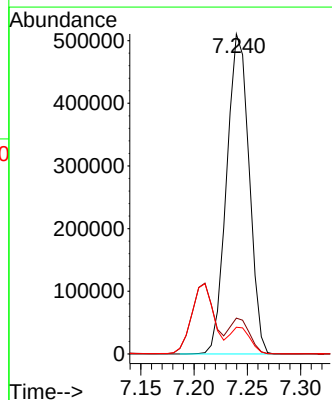
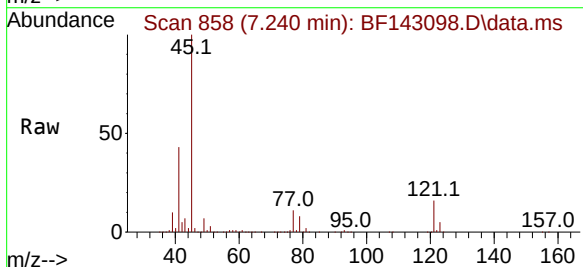
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

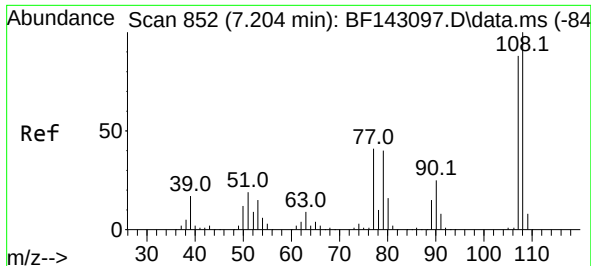
Tgt Ion: 79 Resp: 373560
Ion Ratio Lower Upper
79 100
108 76.1 61.1 91.7
77 60.9 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.187 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 45 Resp: 748892
Ion Ratio Lower Upper
45 100
77 11.2 0.0 31.1
79 8.4 0.0 28.4



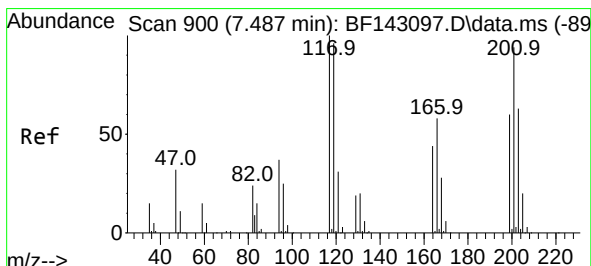
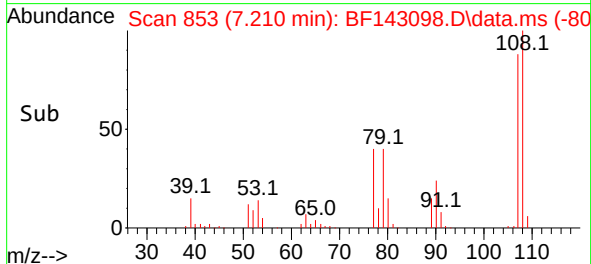
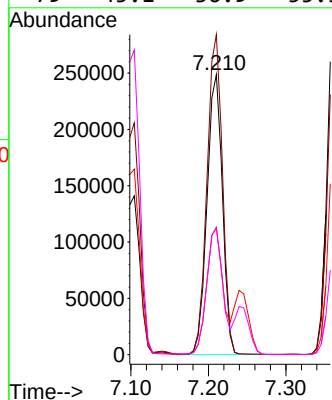
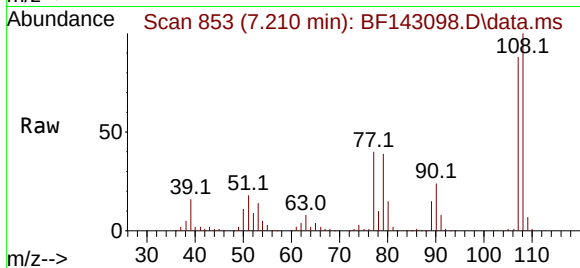


#17
2-Methylphenol
Concen: 52.409 ng
RT: 7.210 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 342357

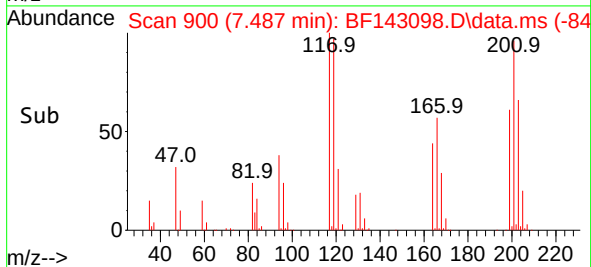
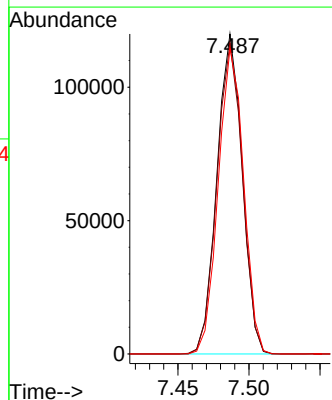
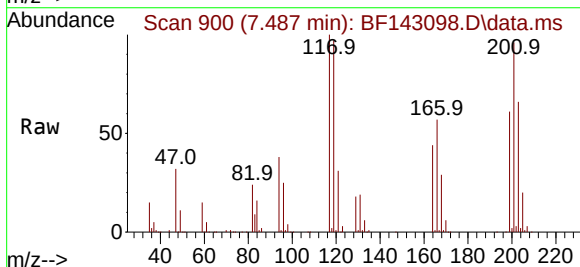
Ion	Ratio	Lower	Upper
107	100		
108	114.3	90.9	136.3
77	45.5	37.5	56.3
79	45.1	36.9	55.3

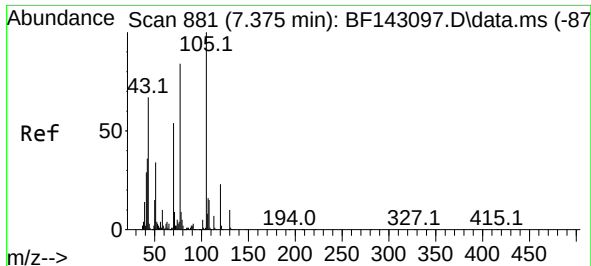


#18
Hexachloroethane
Concen: 53.114 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:117 Resp: 148761

Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.7	115.1
201	95.5	75.0	112.4

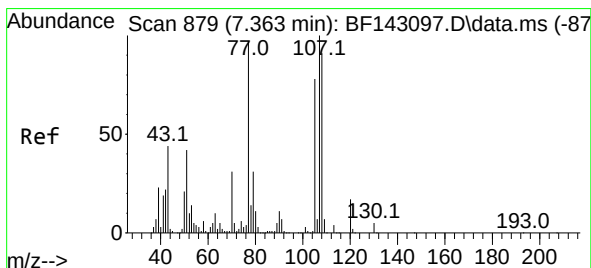
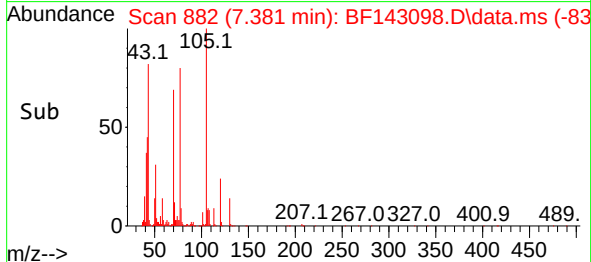
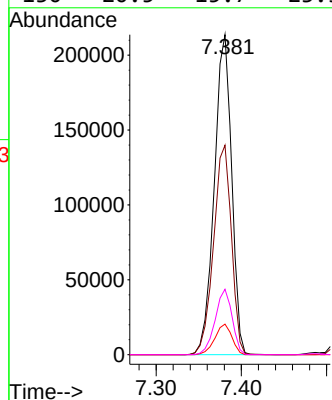
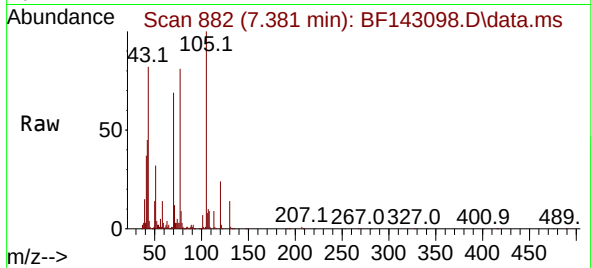




#19
n-Nitroso-di-n-propylamine
Concen: 52.169 ng
RT: 7.381 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

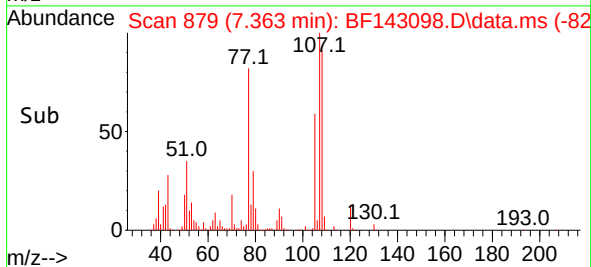
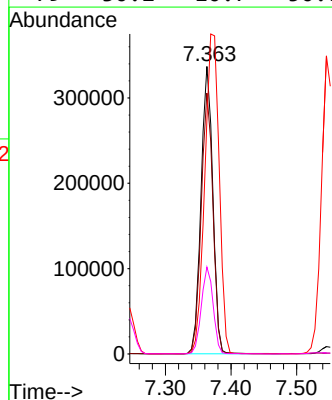
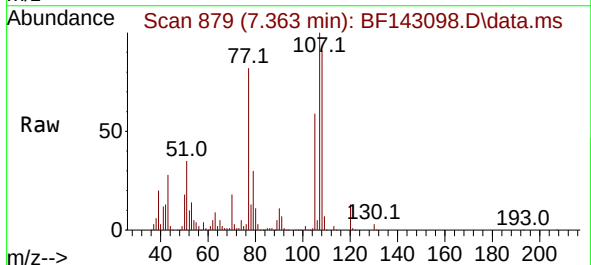
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

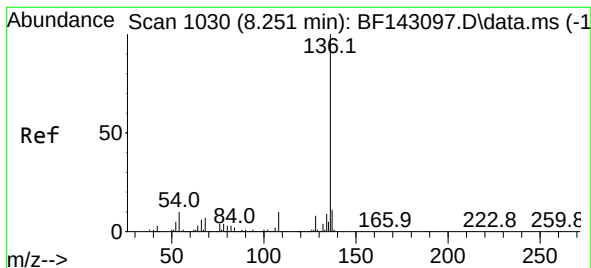
Tgt Ion: 70 Resp: 302685
Ion Ratio Lower Upper
70 100
42 65.5 53.2 79.8
101 9.6 7.5 11.3
130 20.5 15.7 23.5



#20
3+4-Methylphenols
Concen: 52.776 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 107 Resp: 422794
Ion Ratio Lower Upper
107 100
108 90.7 71.3 111.3
77 81.5 77.2 117.2
79 30.2 10.7 50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.251 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 456501

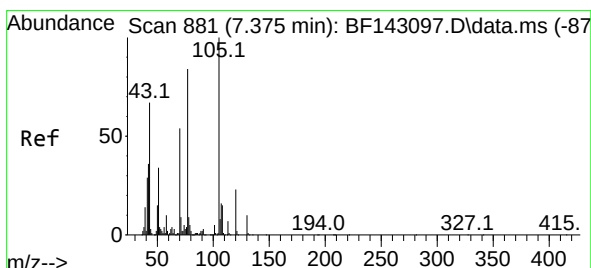
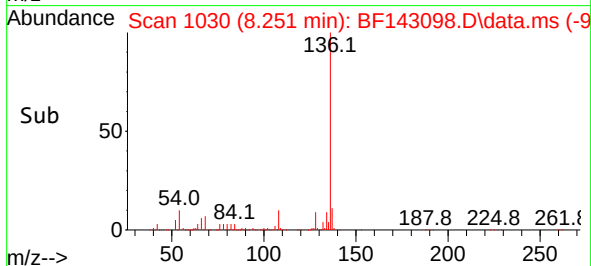
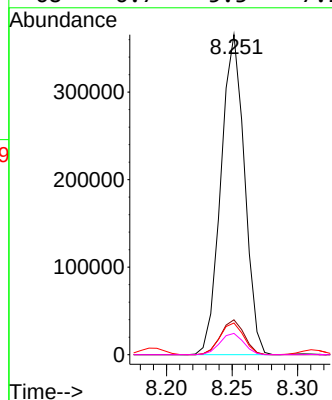
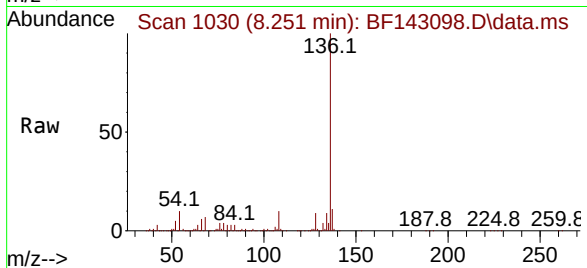
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.9 8.3 12.5

68 6.7 5.3 7.9



#22

Acetophenone

Concen: 49.959 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Tgt Ion:105 Resp: 549763

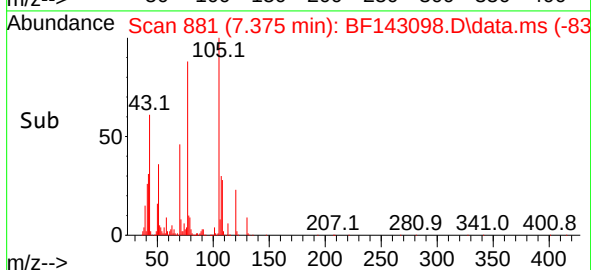
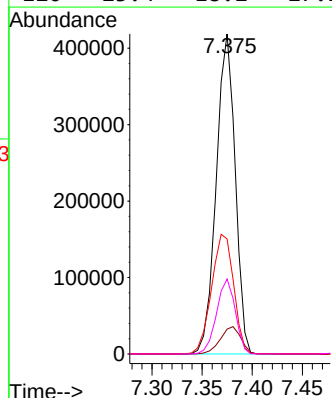
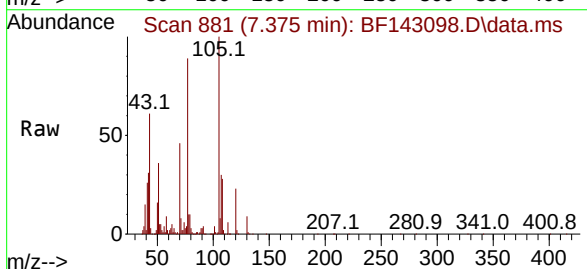
Ion Ratio Lower Upper

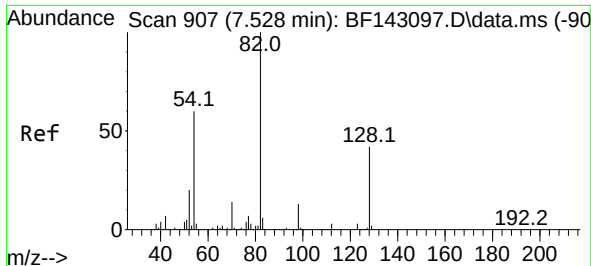
105 100

71 7.8 7.2 10.8

51 36.0 27.0 40.4

120 23.4 18.2 27.2

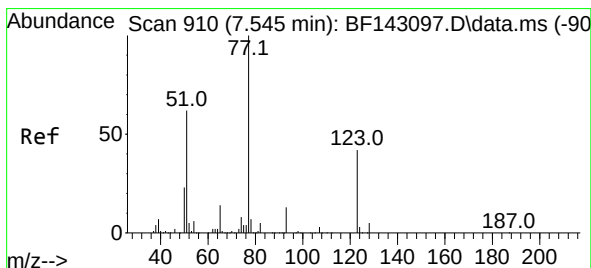
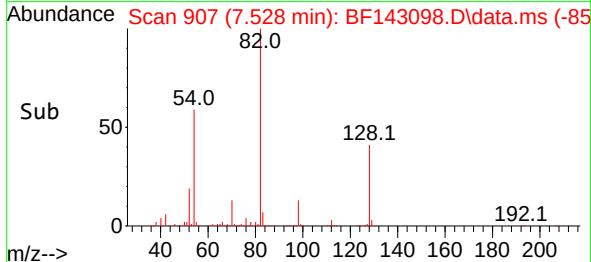
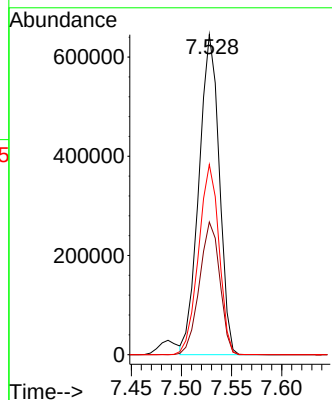
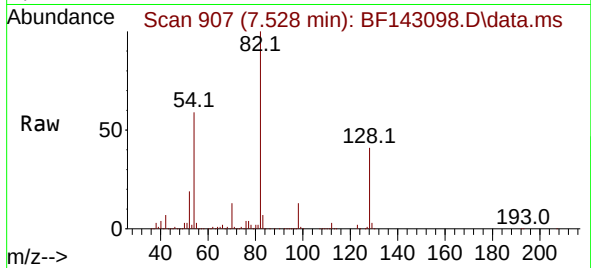




#23
Nitrobenzene-d5
Concen: 112.035 ng
RT: 7.528 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

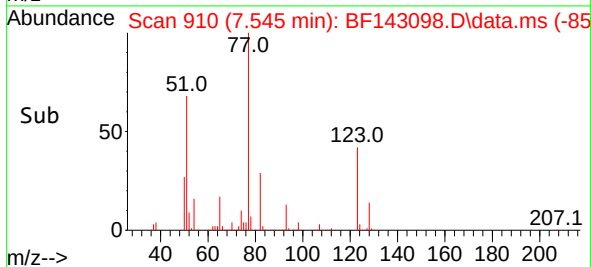
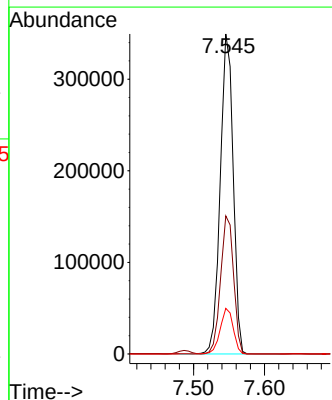
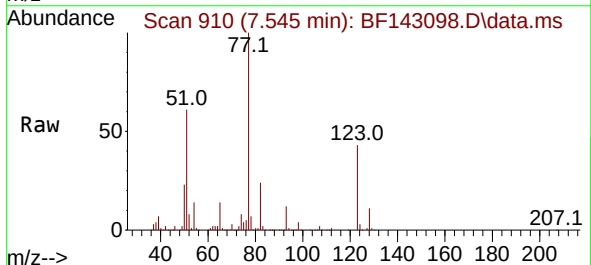
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

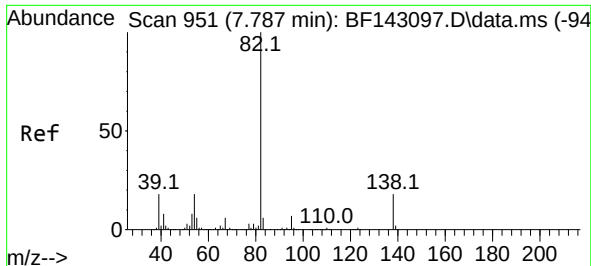
Tgt Ion: 82 Resp: 911721
Ion Ratio Lower Upper
82 100
128 41.4 33.3 49.9
54 59.4 47.4 71.2



#24
Nitrobenzene
Concen: 55.918 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 77 Resp: 439273
Ion Ratio Lower Upper
77 100
123 43.2 34.5 51.7
65 14.3 11.3 16.9

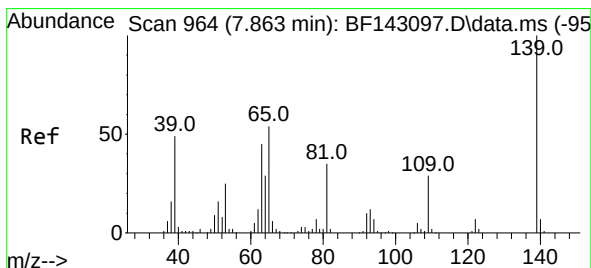
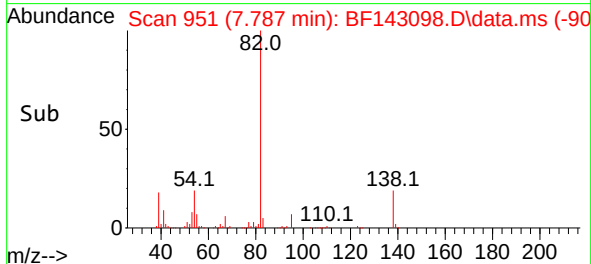
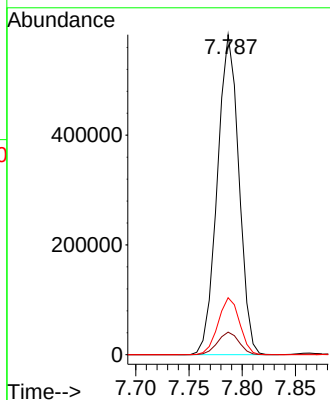
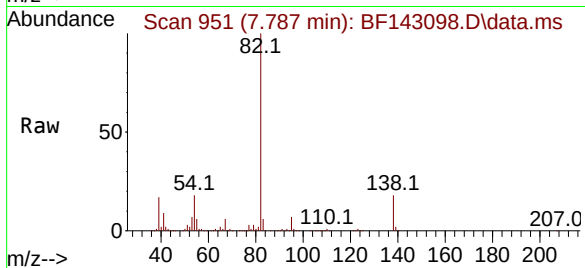




#25
Isophorone
Concen: 52.088 ng
RT: 7.787 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

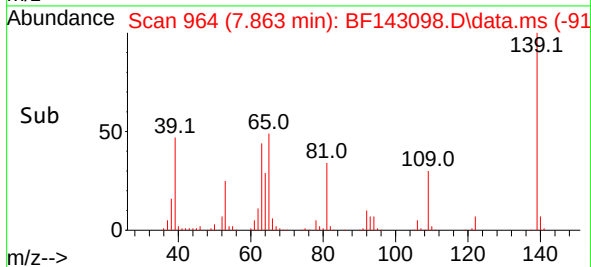
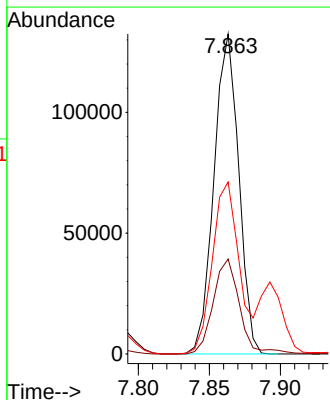
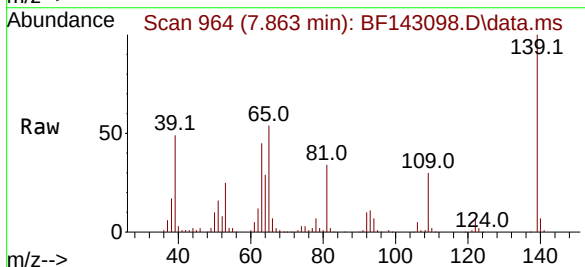
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

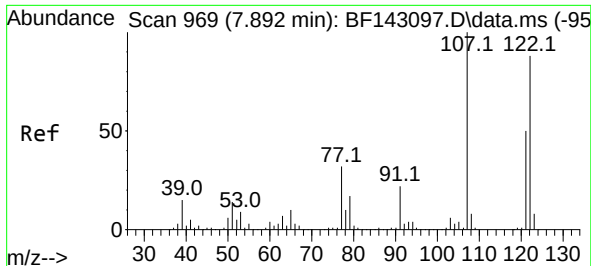
Tgt Ion: 82 Resp: 819274
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 17.8 14.3 21.5



#26
2-Nitrophenol
Concen: 50.837 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:139 Resp: 160386
Ion Ratio Lower Upper
139 100
109 29.7 23.4 35.0
65 53.7 43.4 65.2

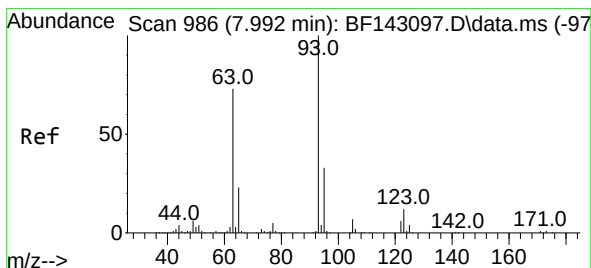
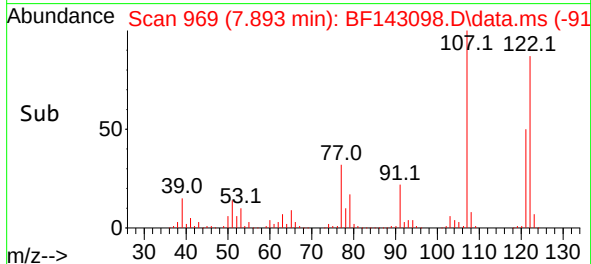
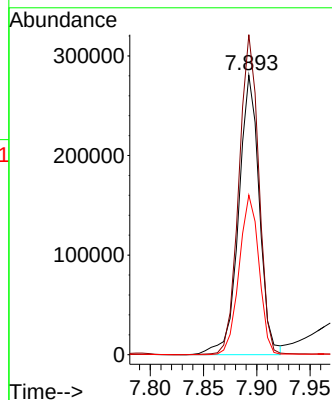
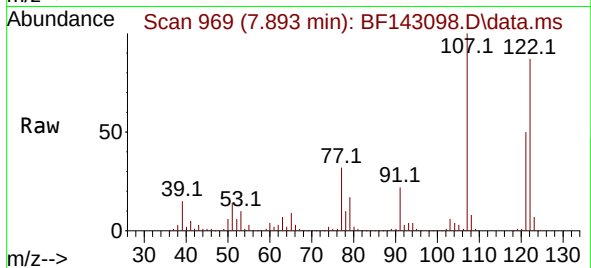




#27
2,4-Dimethylphenol
Concen: 51.976 ng
RT: 7.893 min Scan# 909
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

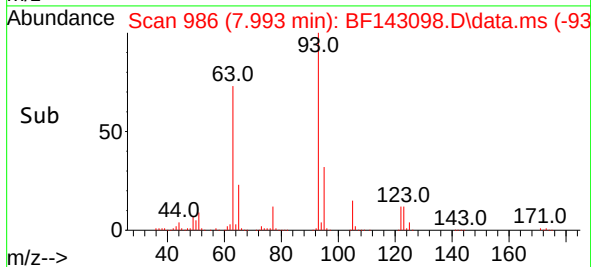
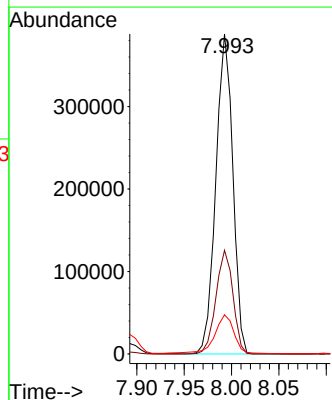
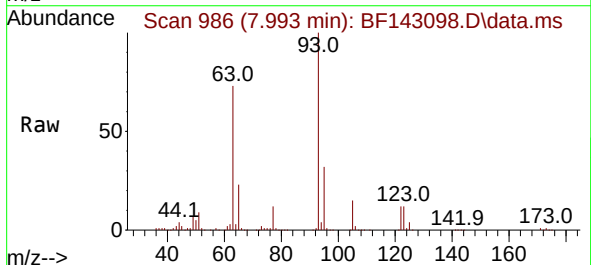
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

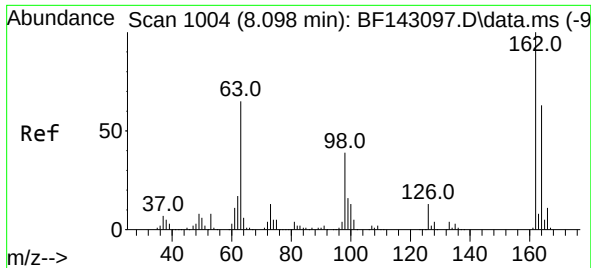
Tgt Ion:122 Resp: 379432
Ion Ratio Lower Upper
122 100
107 114.5 91.3 136.9
121 57.1 45.5 68.3



#28
bis(2-Chloroethoxy)methane
Concen: 50.704 ng
RT: 7.993 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 93 Resp: 483608
Ion Ratio Lower Upper
93 100
95 32.4 26.2 39.4
123 12.2 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 53.575 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

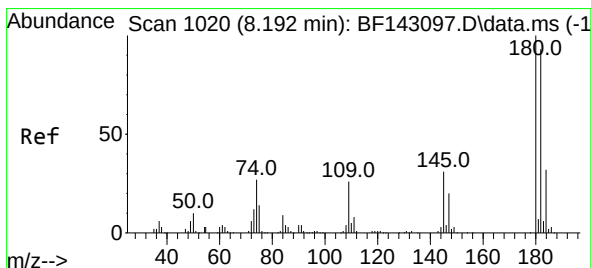
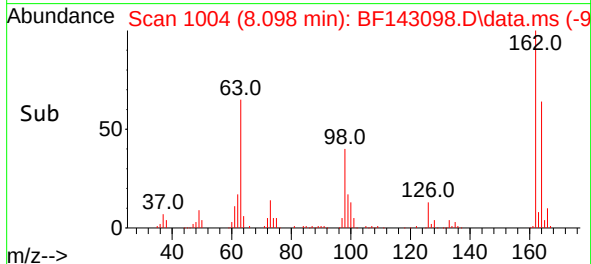
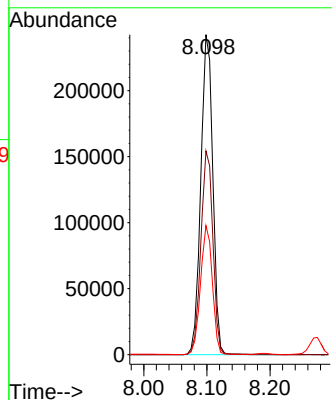
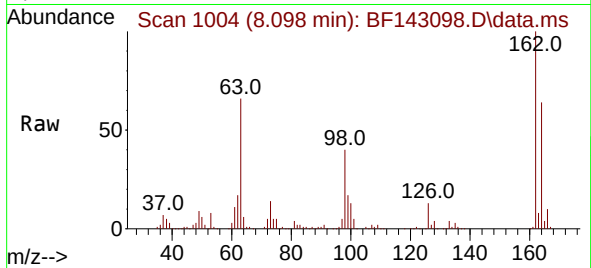
Tgt Ion:162 Resp: 319968

Ion Ratio Lower Upper

162 100

164 63.7 43.1 83.1

98 40.4 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 50.958 ng

RT: 8.193 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

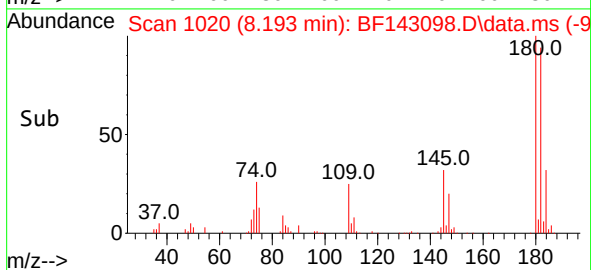
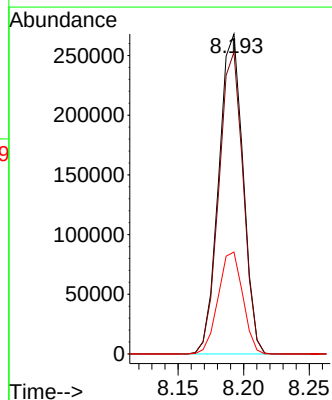
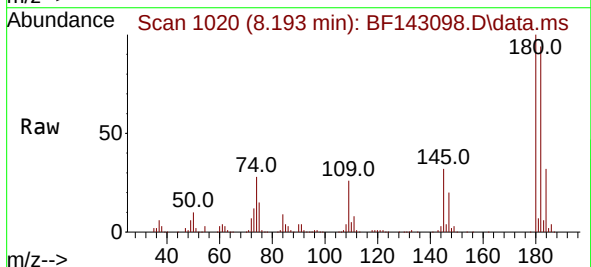
Tgt Ion:180 Resp: 345389

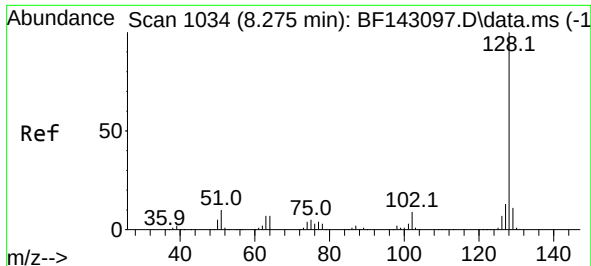
Ion Ratio Lower Upper

180 100

182 94.3 74.7 112.1

145 31.8 24.5 36.7

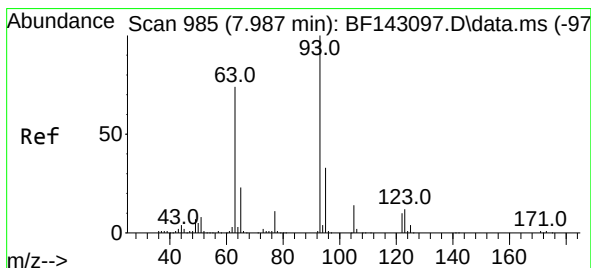
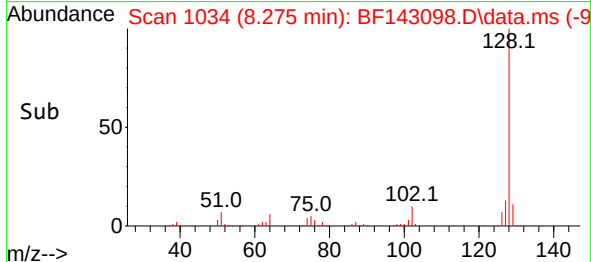
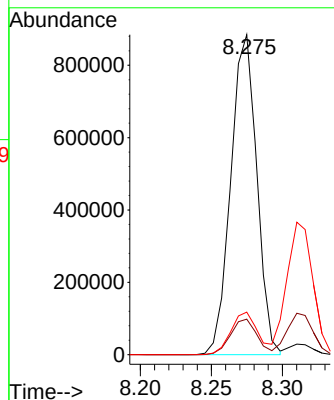
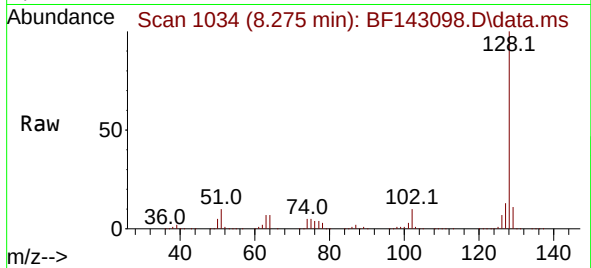




#31
Naphthalene
Concen: 49.700 ng
RT: 8.275 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

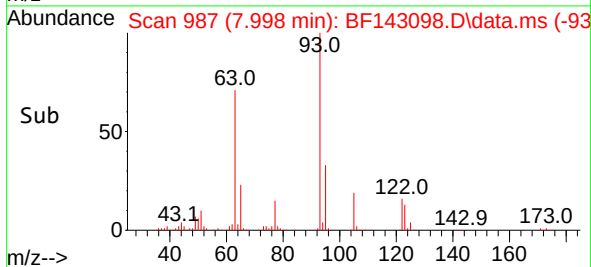
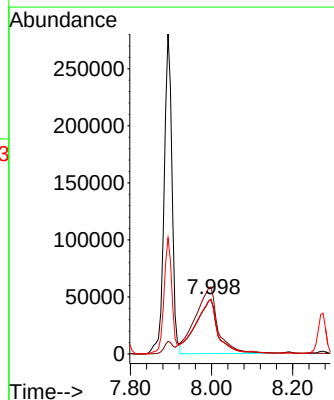
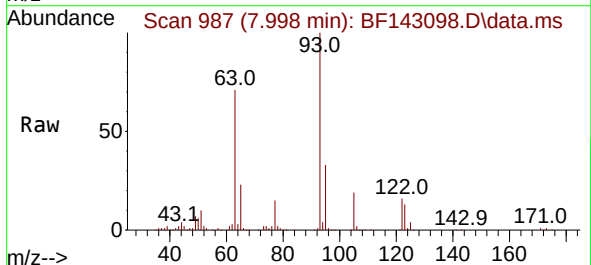
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

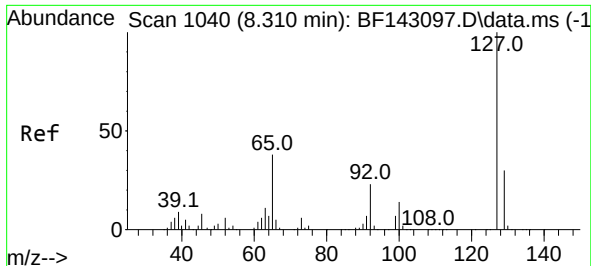
Tgt Ion:128 Resp: 1126659
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.3 10.5 15.7



#32
Benzoic acid
Concen: 49.535 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.011 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:122 Resp: 180966
Ion Ratio Lower Upper
122 100
105 122.8 105.4 145.4
77 99.4 78.6 118.6

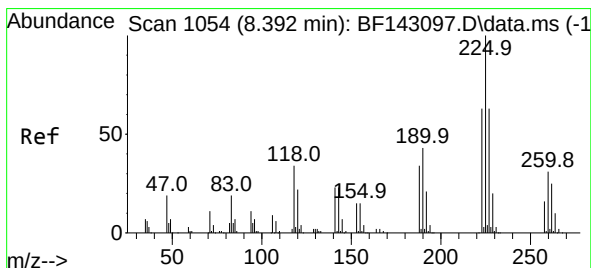
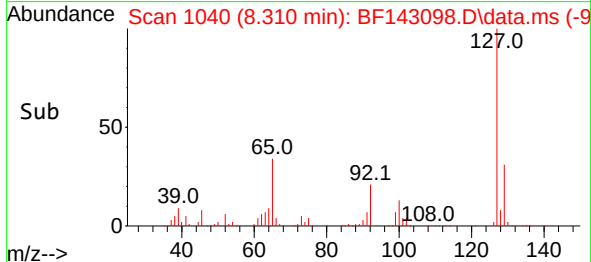
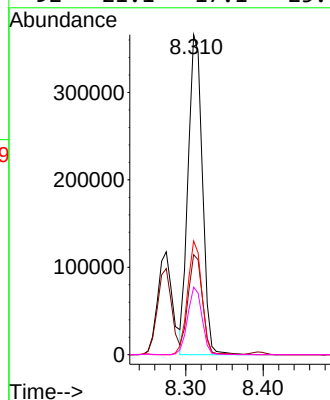
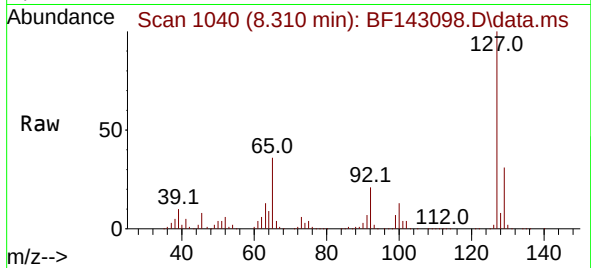




#33
4-Chloroaniline
Concen: 51.237 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

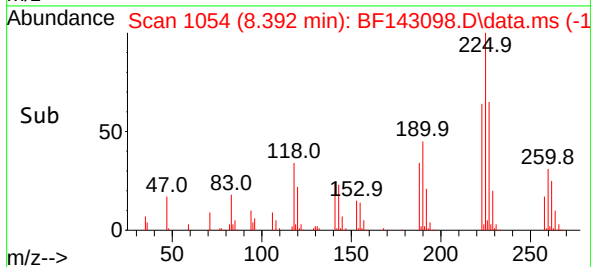
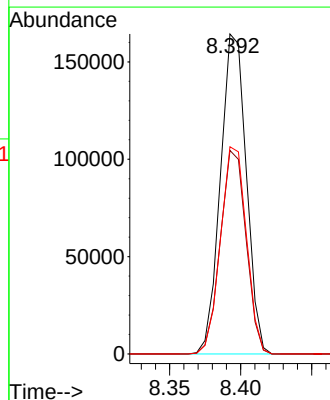
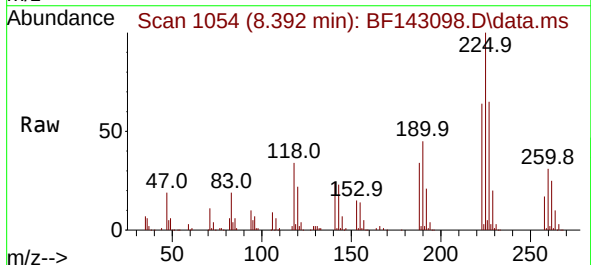
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

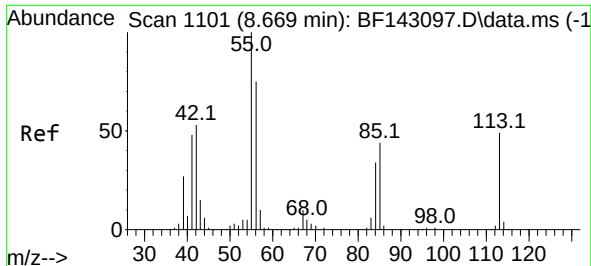
Tgt Ion:	127	Resp:	467074
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.2	39.4
65	35.6	28.6	42.8
92	21.1	17.1	25.7



#34
Hexachlorobutadiene
Concen: 51.263 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:	225	Resp:	207797
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	64.7	50.1	75.1

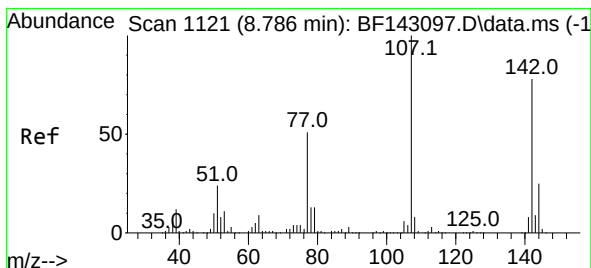
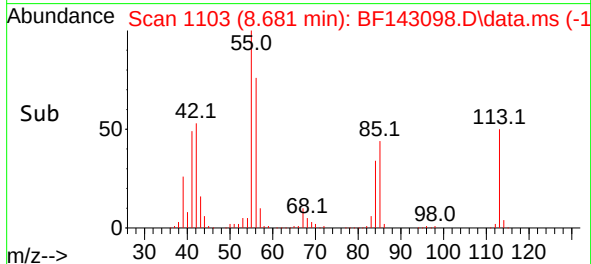
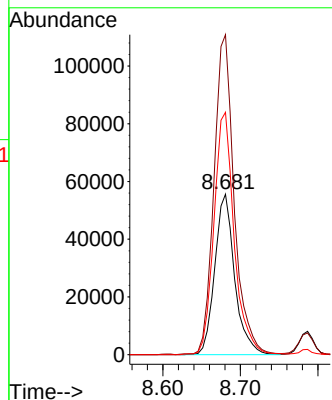
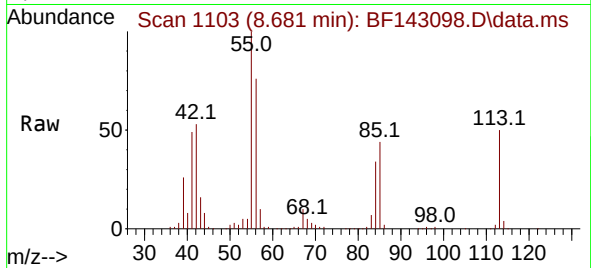




#35
 Caprolactam
 Concen: 53.162 ng
 RT: 8.681 min Scan# 1103
 Delta R.T. 0.012 min
 Lab File: BF143098.D
 Acq: 15 Jul 2025 15:35

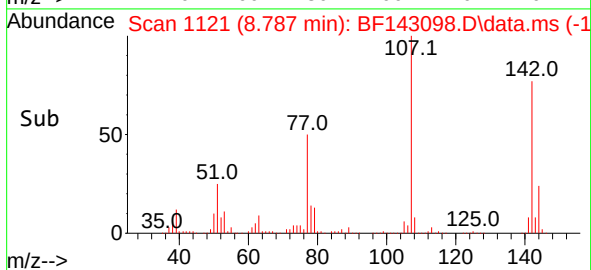
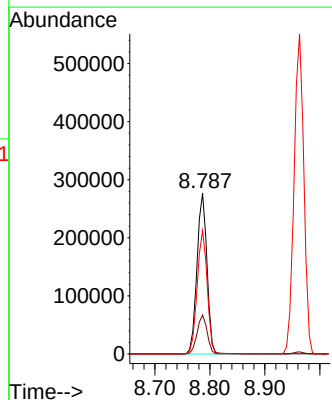
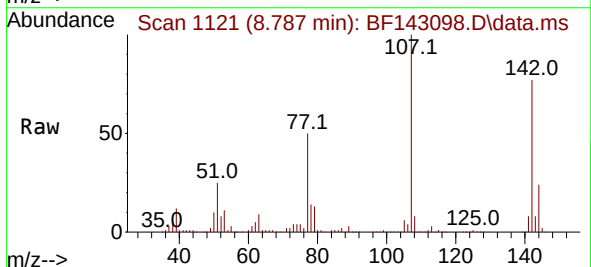
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

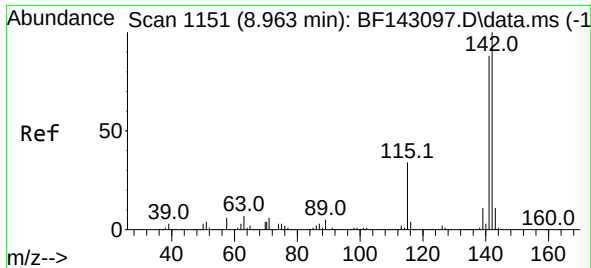
Tgt Ion:113 Resp: 99144
 Ion Ratio Lower Upper
 113 100
 55 199.4 186.2 226.2
 56 151.0 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 52.746 ng
 RT: 8.787 min Scan# 1121
 Delta R.T. 0.000 min
 Lab File: BF143098.D
 Acq: 15 Jul 2025 15:35

Tgt Ion:107 Resp: 350906
 Ion Ratio Lower Upper
 107 100
 144 24.2 20.2 30.2
 142 76.8 62.4 93.6





#37

2-Methylnaphthalene

Concen: 50.410 ng

RT: 8.963 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

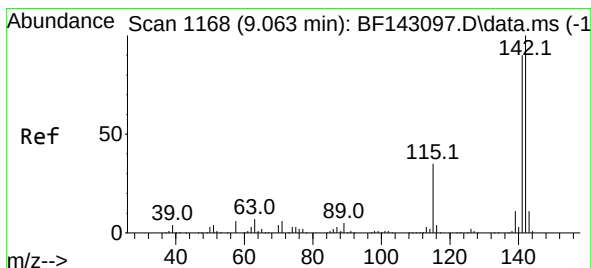
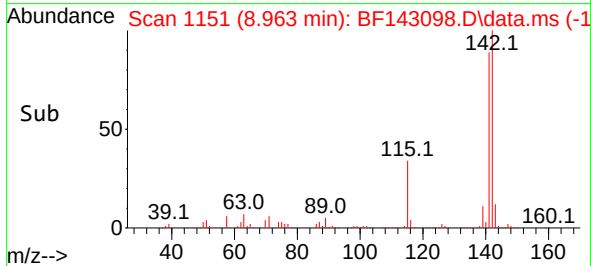
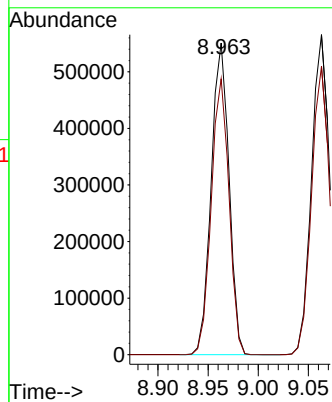
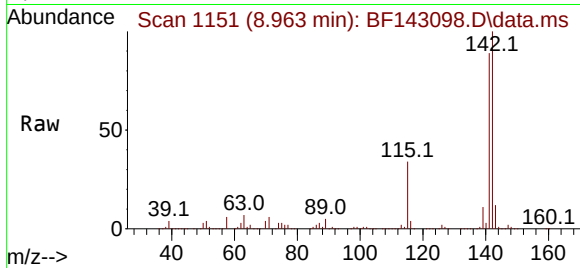
SSTDICC050

Tgt Ion:142 Resp: 681726

Ion Ratio Lower Upper

142 100

141 88.5 70.2 105.2



#38

1-Methylnaphthalene

Concen: 50.016 ng

RT: 9.063 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BF143098.D

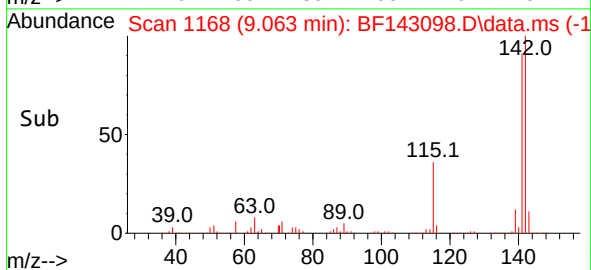
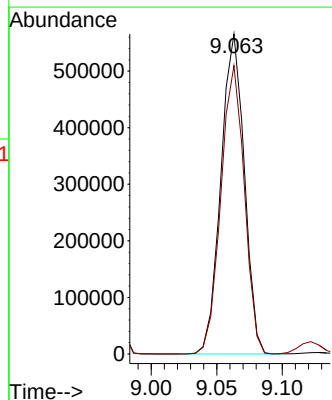
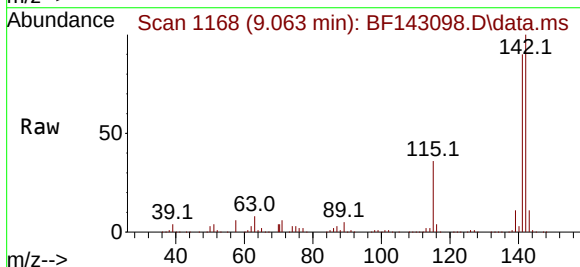
Acq: 15 Jul 2025 15:35

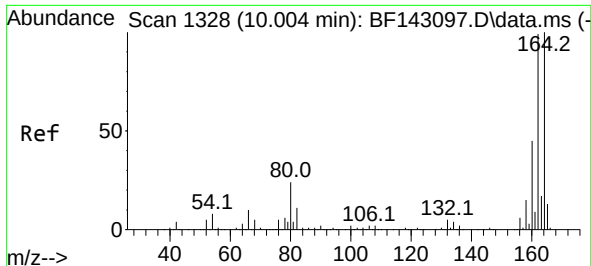
Tgt Ion:142 Resp: 701548

Ion Ratio Lower Upper

142 100

141 90.1 72.2 108.4

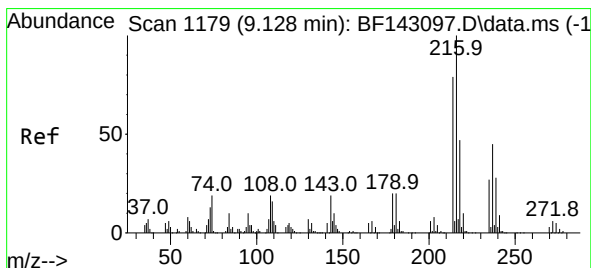
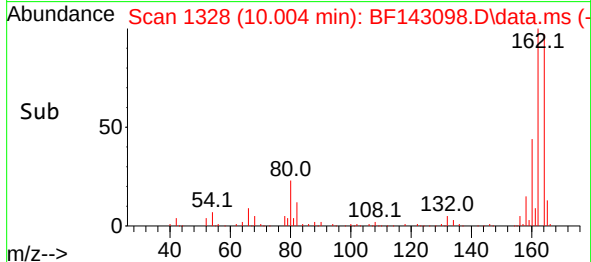
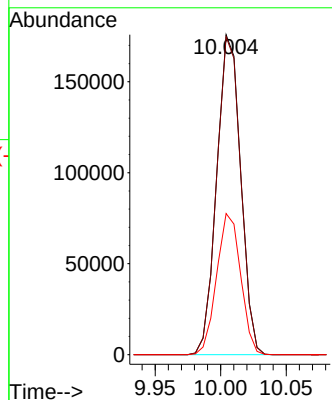
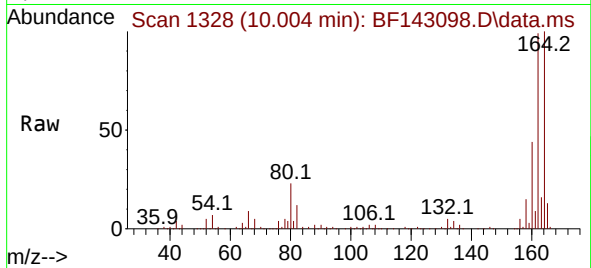




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

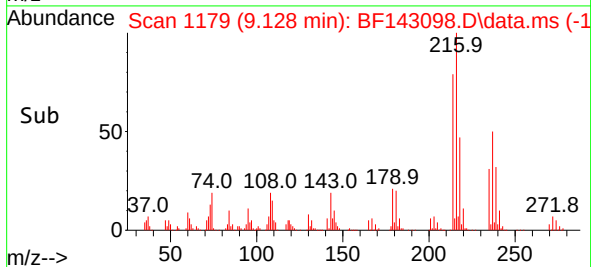
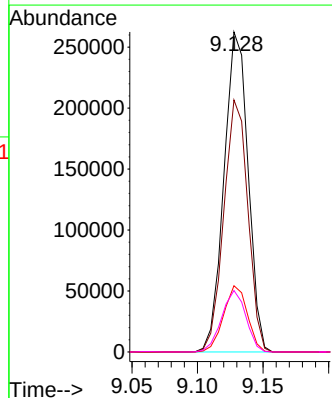
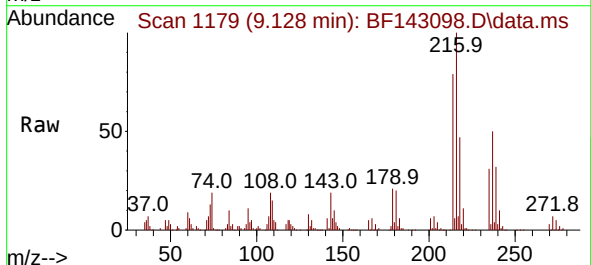
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

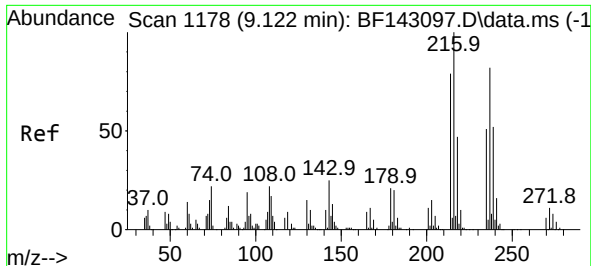
Tgt Ion:164 Resp: 223126
Ion Ratio Lower Upper
164 100
162 99.3 79.0 118.6
160 44.1 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.551 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:216 Resp: 335206
Ion Ratio Lower Upper
216 100
214 78.5 62.6 94.0
179 20.5 16.2 24.2
108 19.4 15.8 23.6

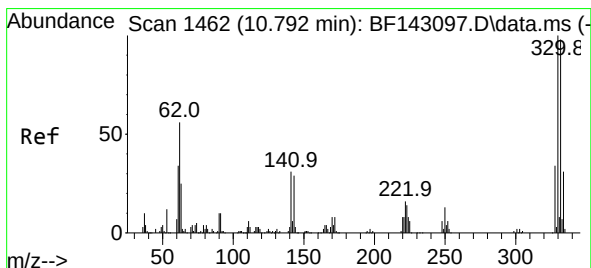
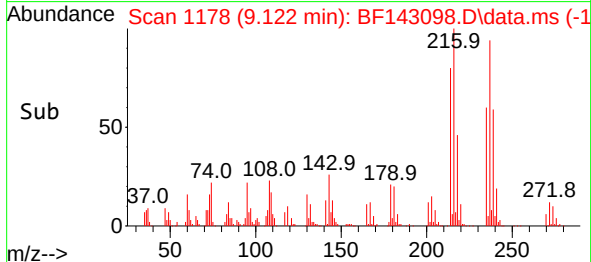
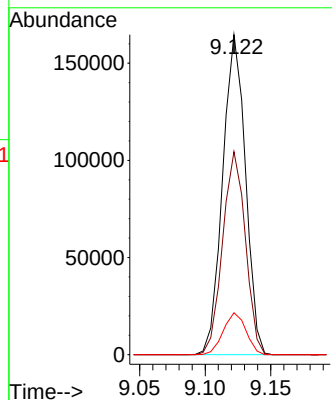
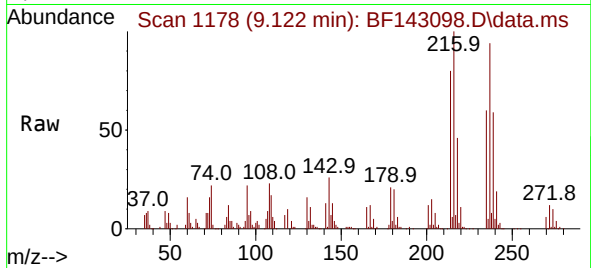




#41
Hexachlorocyclopentadiene
Concen: 55.147 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

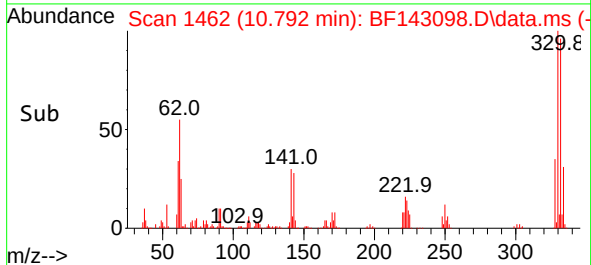
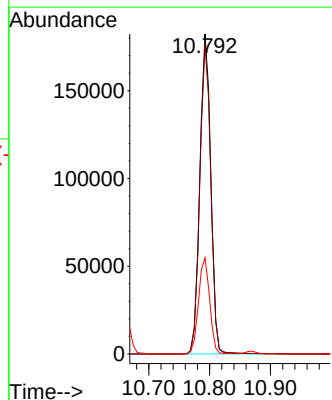
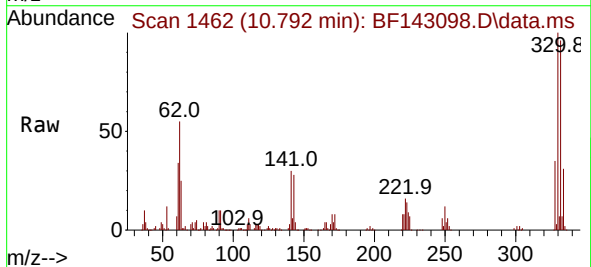
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

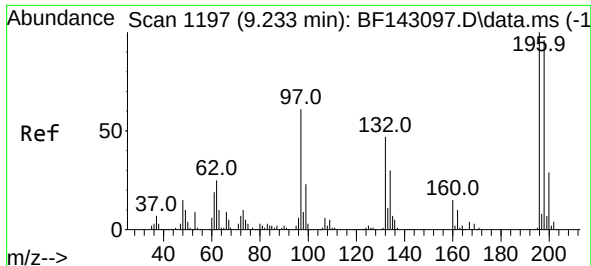
Tgt Ion:237 Resp: 198811
Ion Ratio Lower Upper
237 100
235 63.4 41.6 81.6
272 13.1 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 114.439 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:330 Resp: 227678
Ion Ratio Lower Upper
330 100
332 96.3 77.9 116.9
141 30.5 25.9 38.9

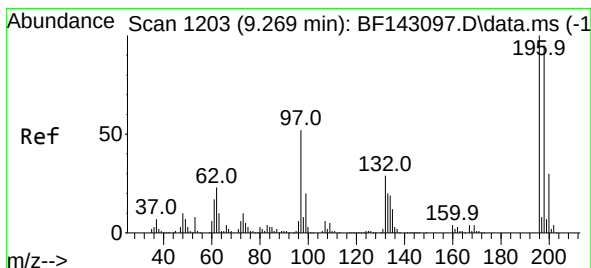
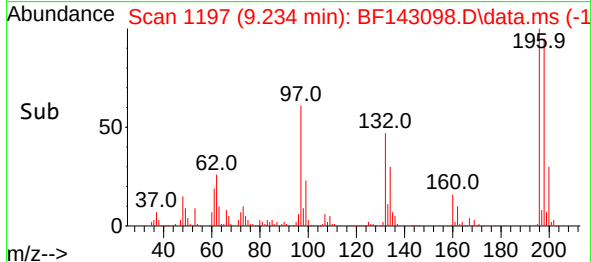
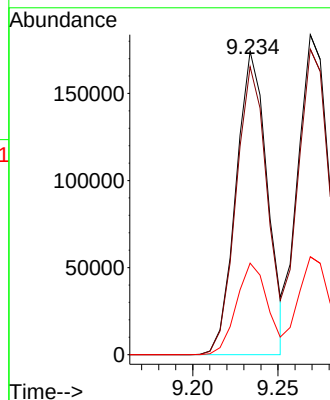
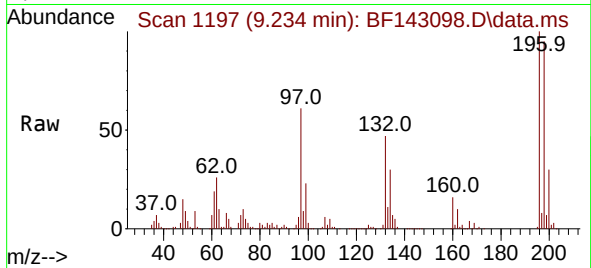




#43
2,4,6-Trichlorophenol
Concen: 55.226 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

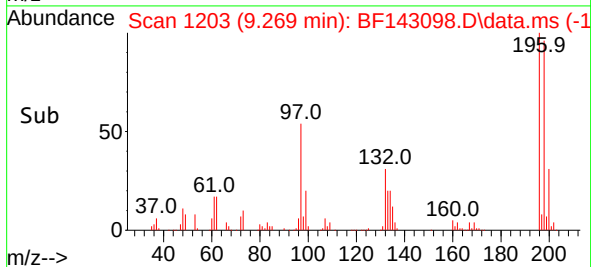
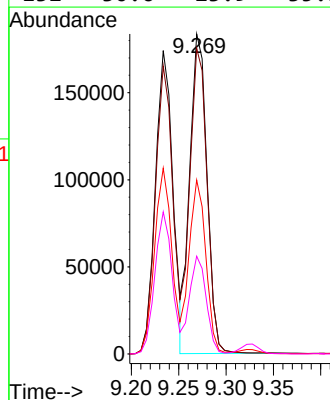
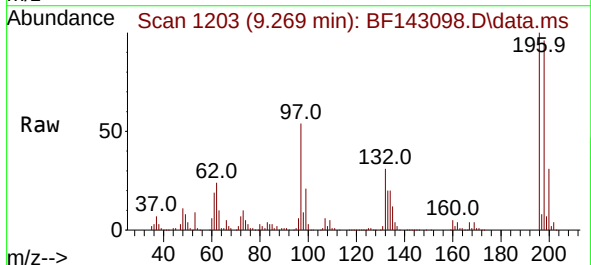
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

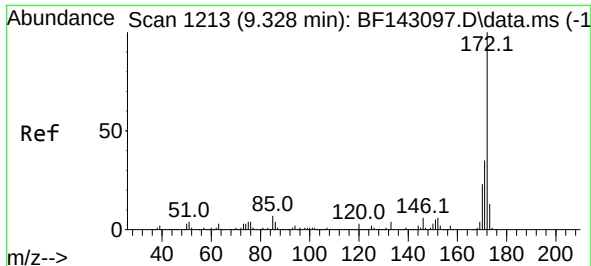
Tgt Ion:196 Resp: 223131
Ion Ratio Lower Upper
196 100
198 94.9 76.9 115.3
200 30.2 23.5 35.3



#44
2,4,5-Trichlorophenol
Concen: 54.977 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:196 Resp: 232905
Ion Ratio Lower Upper
196 100
198 95.5 76.4 114.6
97 54.3 42.4 63.6
132 30.6 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 97.028 ng

RT: 9.328 min Scan# 1213

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

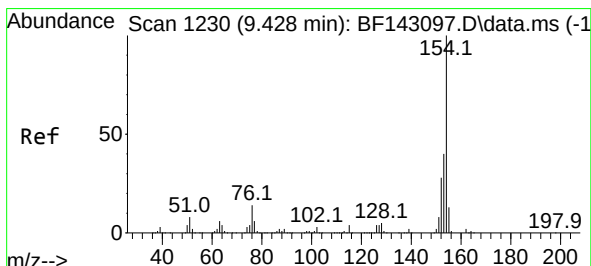
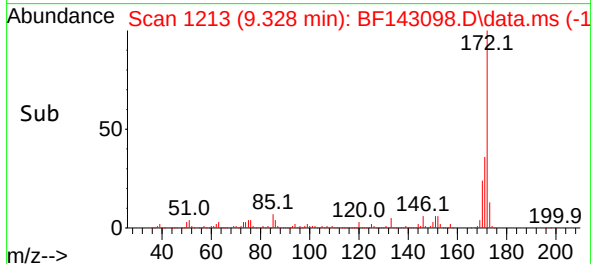
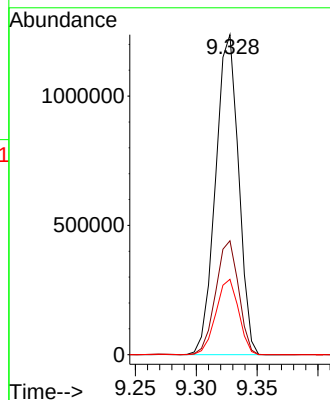
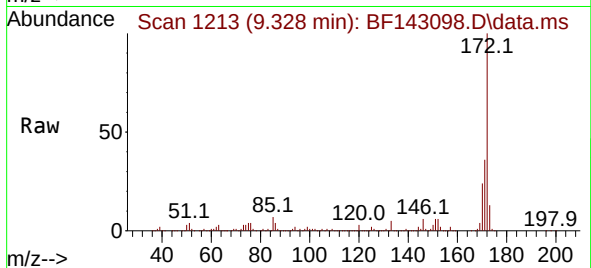
Tgt Ion:172 Resp: 1628659

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

170 23.6 18.6 28.0



#46

1,1'-Biphenyl

Concen: 50.458 ng

RT: 9.428 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

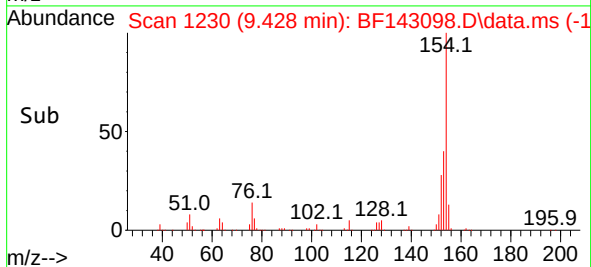
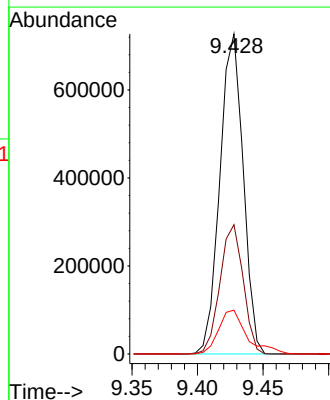
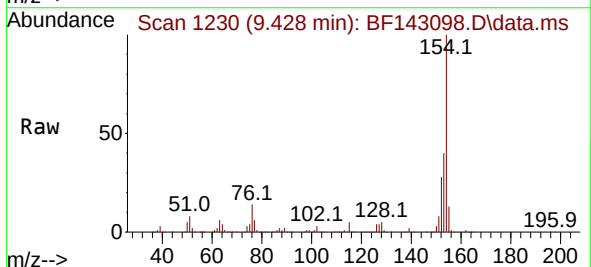
Tgt Ion:154 Resp: 897834

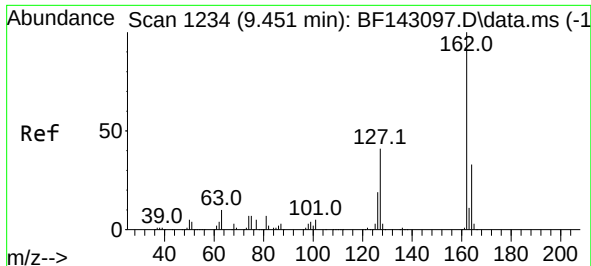
Ion Ratio Lower Upper

154 100

153 40.4 20.1 60.1

76 13.7 0.0 33.7





#47

2-Chloronaphthalene

Concen: 51.007 ng

RT: 9.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

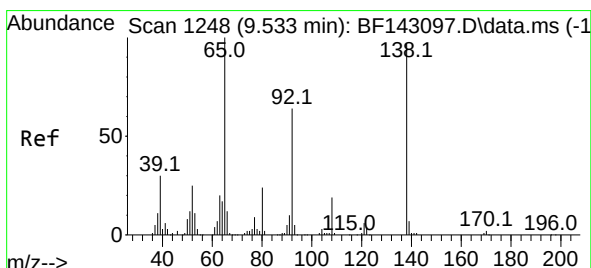
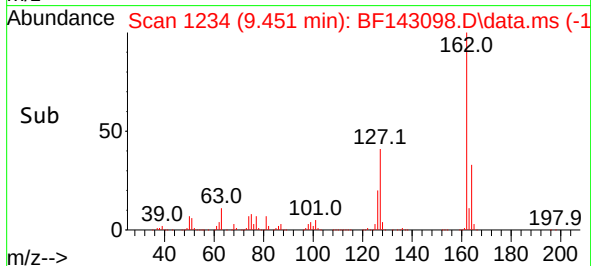
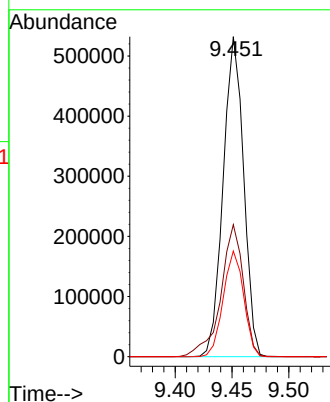
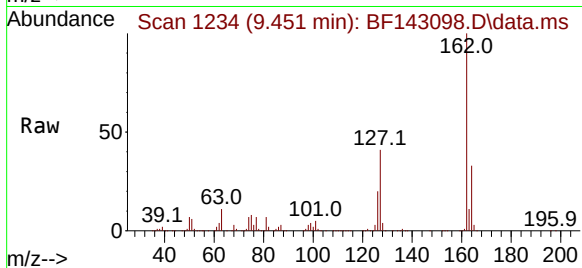
Tgt Ion:162 Resp: 666760

Ion Ratio Lower Upper

162 100

127 41.2 33.0 49.6

164 33.0 26.1 39.1



#48

2-Nitroaniline

Concen: 52.775 ng

RT: 9.539 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

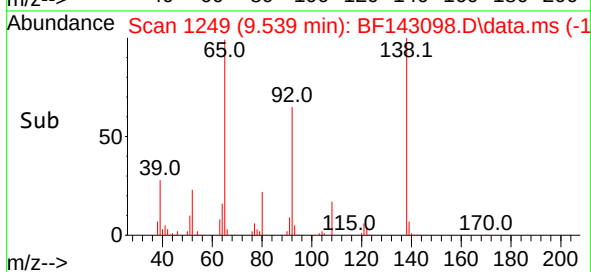
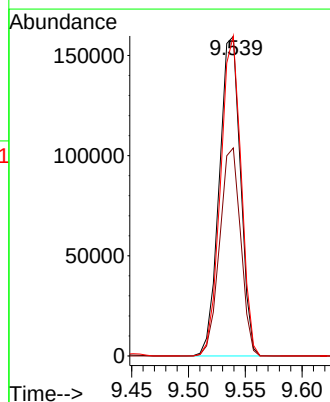
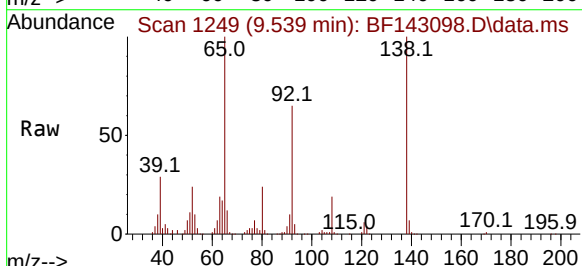
Tgt Ion: 65 Resp: 207291

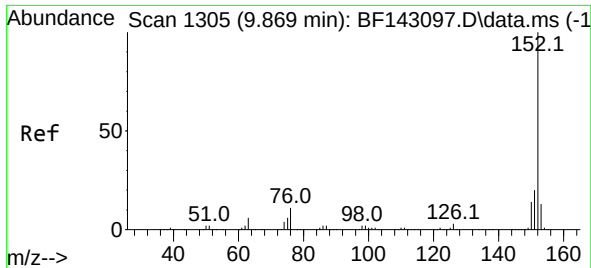
Ion Ratio Lower Upper

65 100

92 65.1 51.3 76.9

138 100.2 77.8 116.6

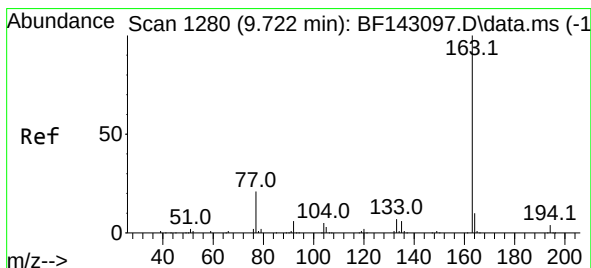
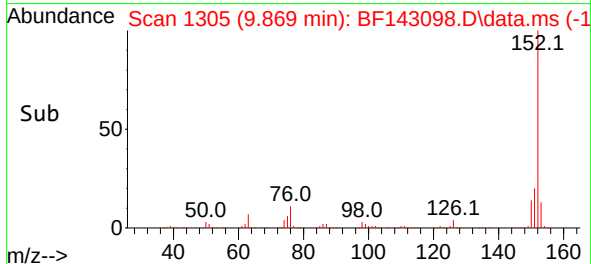
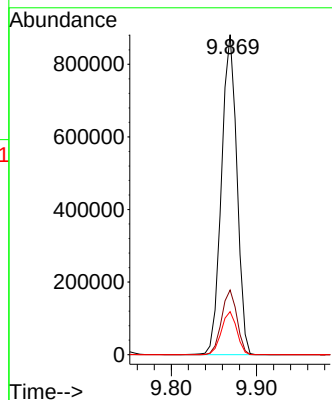
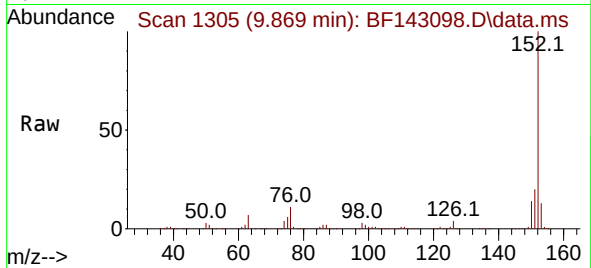




#49
Acenaphthylene
Concen: 50.940 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

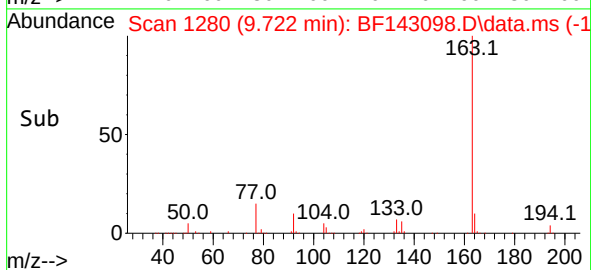
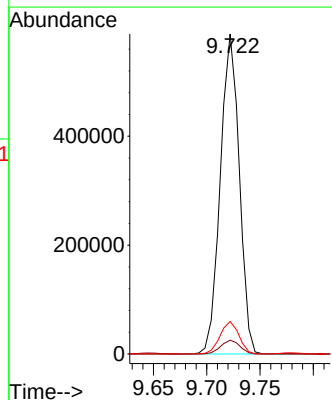
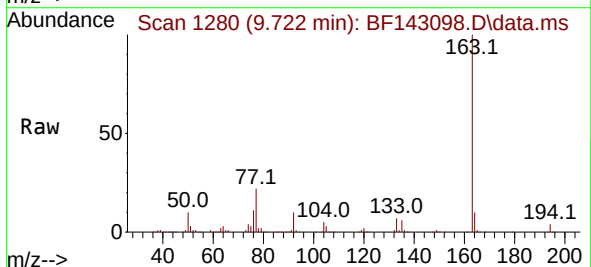
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

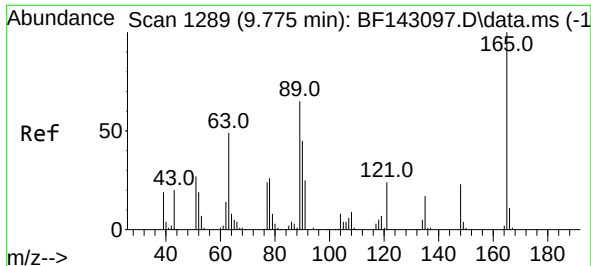
Tgt Ion:152 Resp: 1109586
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 13.4 10.4 15.6



#50
Dimethylphthalate
Concen: 51.728 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:163 Resp: 726121
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 52.497 ng

RT: 9.781 min Scan# 1289

Delta R.T. 0.006 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

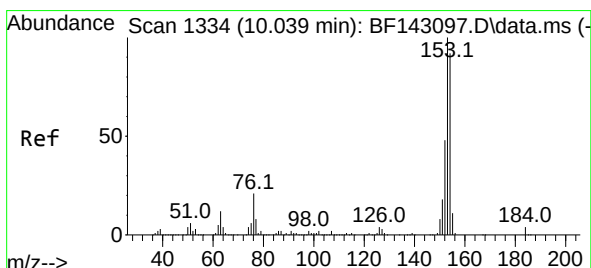
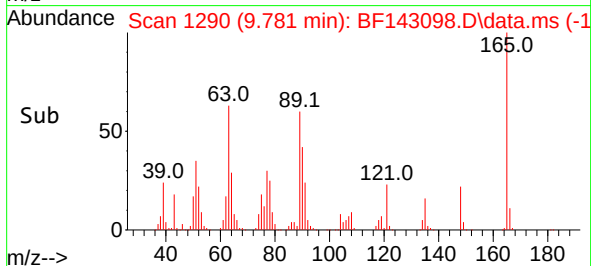
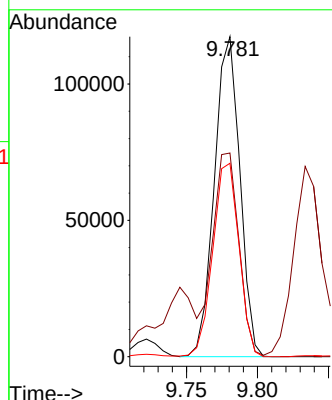
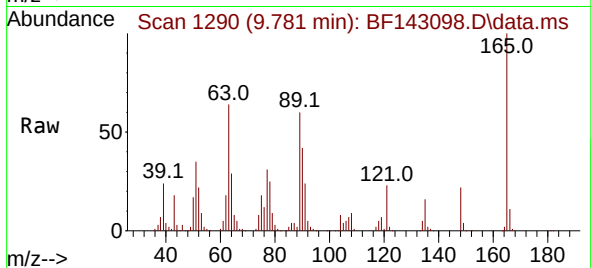
Tgt Ion:165 Resp: 146385

Ion Ratio Lower Upper

165 100

63 63.7 57.4 86.0

89 60.4 51.8 77.8



#52

Acenaphthene

Concen: 50.669 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

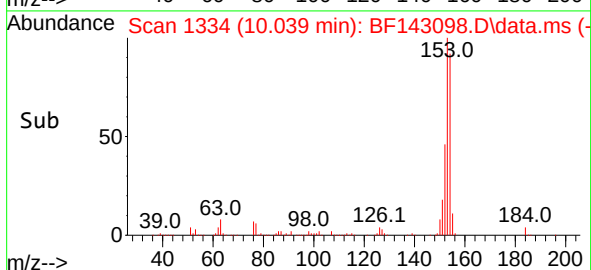
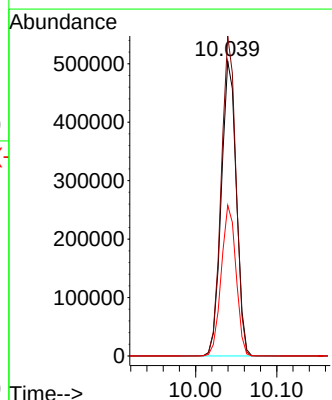
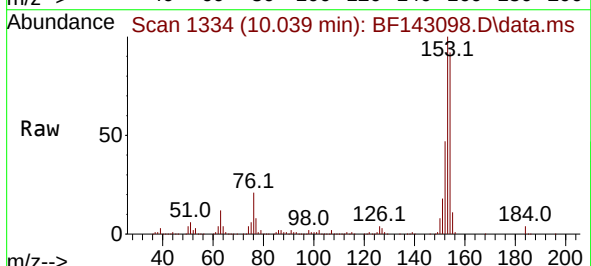
Tgt Ion:154 Resp: 651291

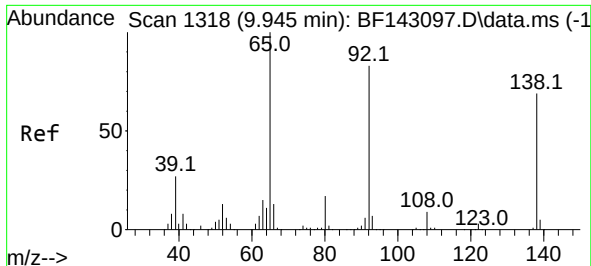
Ion Ratio Lower Upper

154 100

153 108.6 86.7 130.1

152 51.1 41.4 62.2

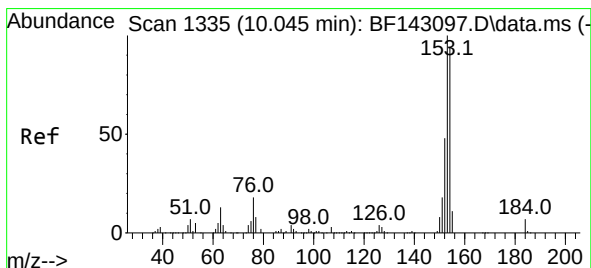
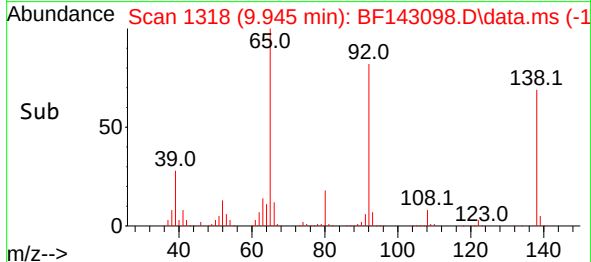
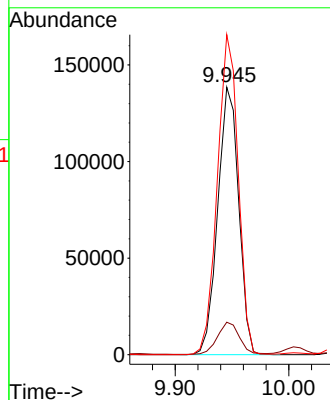
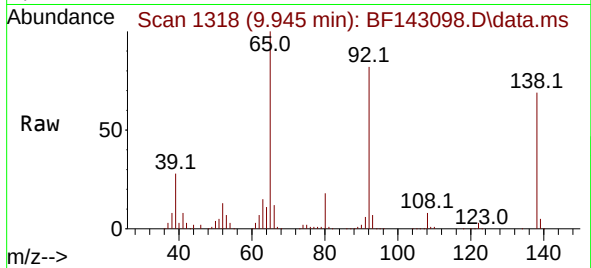




#53
3-Nitroaniline
Concen: 58.553 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

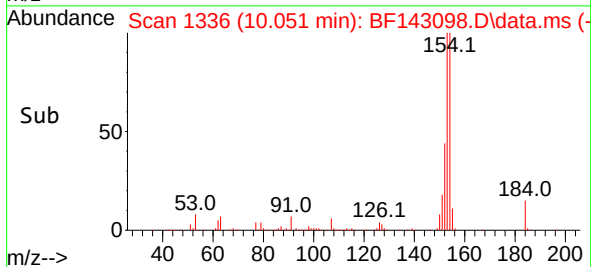
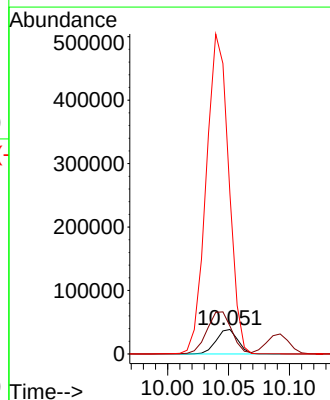
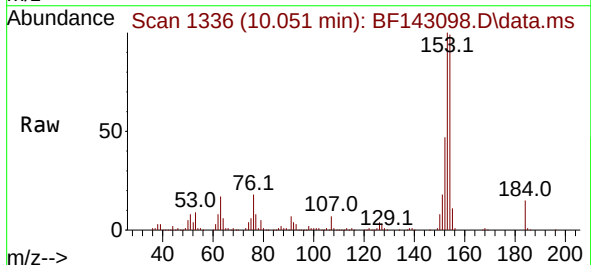
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

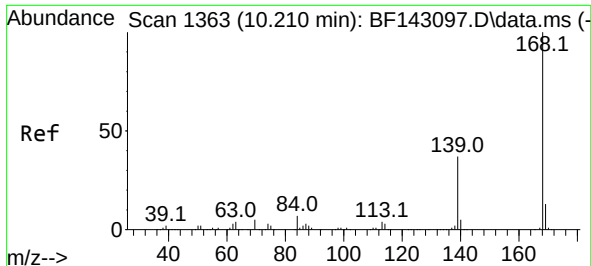
Tgt Ion:138 Resp: 177602
Ion Ratio Lower Upper
138 100
108 12.1 10.1 15.1
92 119.6 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 51.931 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:184 Resp: 47800
Ion Ratio Lower Upper
184 100
63 113.4 149.3 223.9#
154 651.1 1048.0 1572.0#

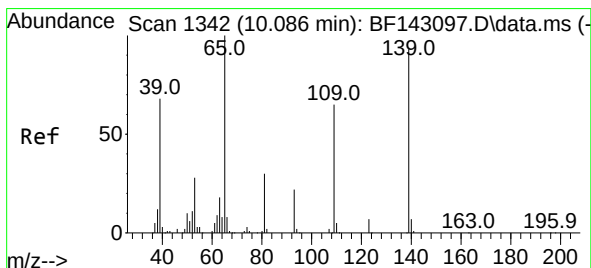
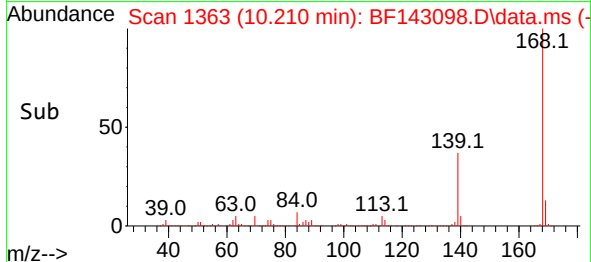
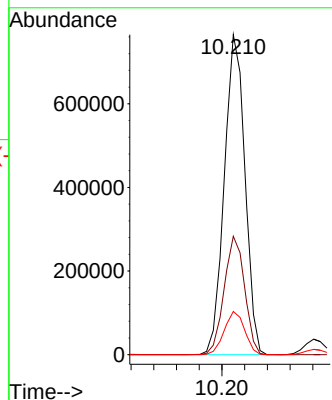
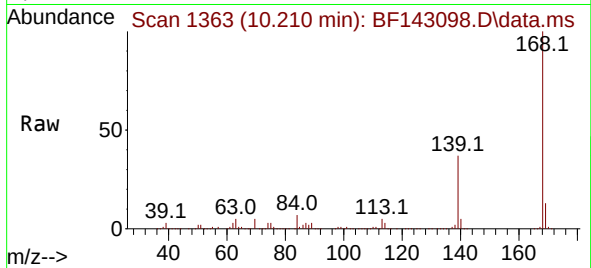




#55
Dibenzofuran
Concen: 50.344 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

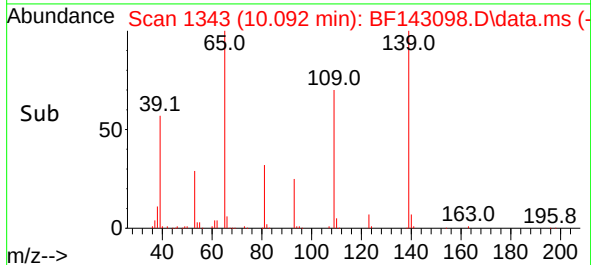
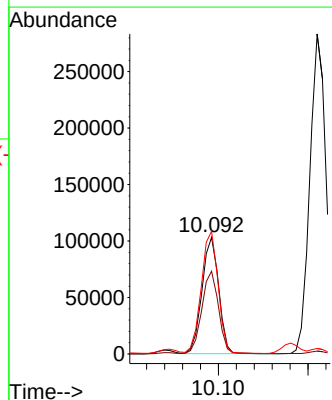
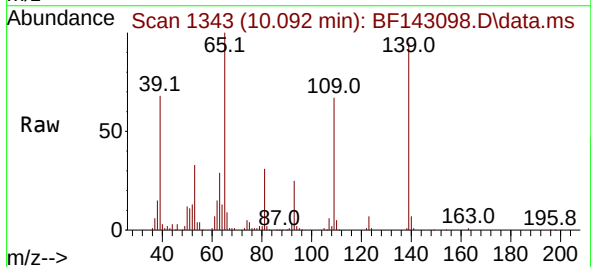
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

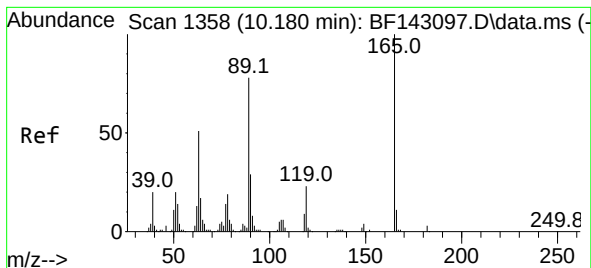
Tgt Ion:168 Resp: 964545
Ion Ratio Lower Upper
168 100
139 37.0 29.8 44.6
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 55.203 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:139 Resp: 133073
Ion Ratio Lower Upper
139 100
109 70.9 49.4 89.4
65 105.2 88.2 128.2



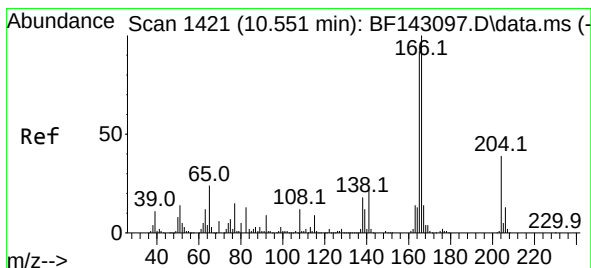
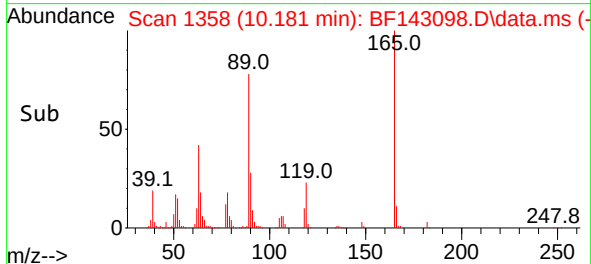
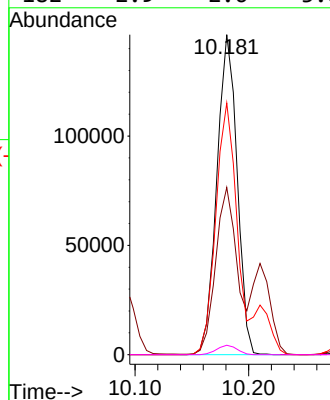
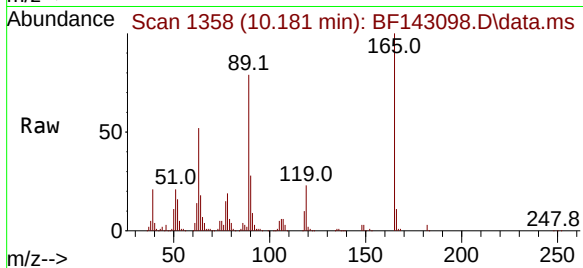


#57
2,4-Dinitrotoluene
Concen: 52.116 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.001 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 181610

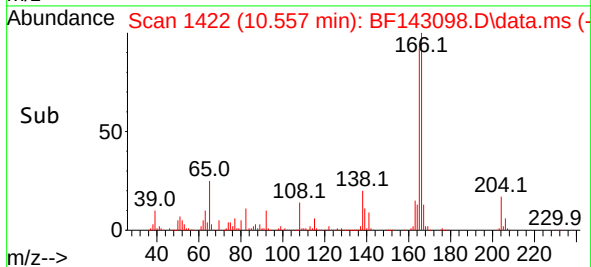
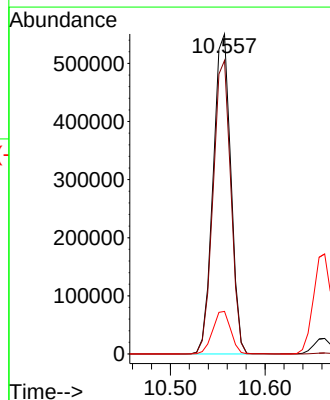
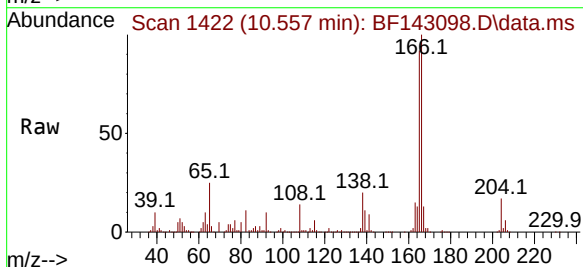
Ion	Ratio	Lower	Upper
165	100		
63	52.2	40.6	61.0
89	78.6	62.3	93.5
182	2.9	2.6	3.8

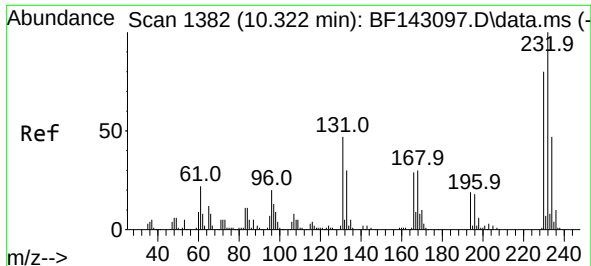


#58
Fluorene
Concen: 49.859 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:166 Resp: 716173

Ion	Ratio	Lower	Upper
166	100		
165	91.7	73.7	110.5
167	13.3	10.9	16.3



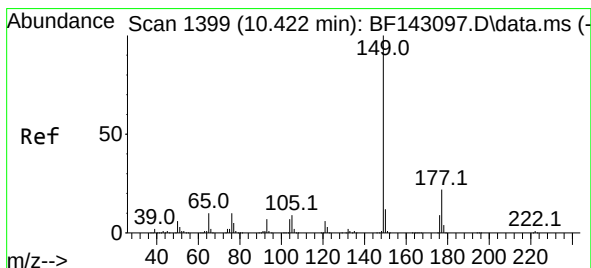
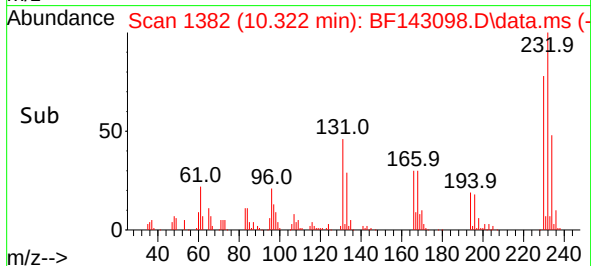
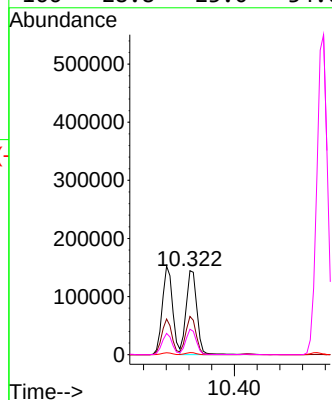
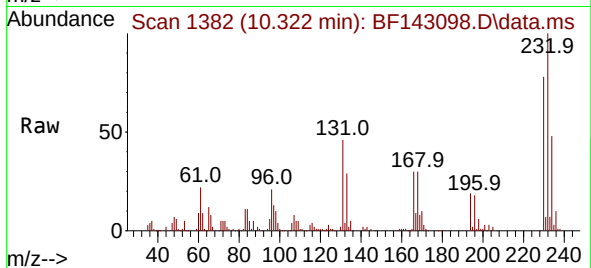


#59
2,3,4,6-Tetrachlorophenol
Concen: 56.202 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 189211

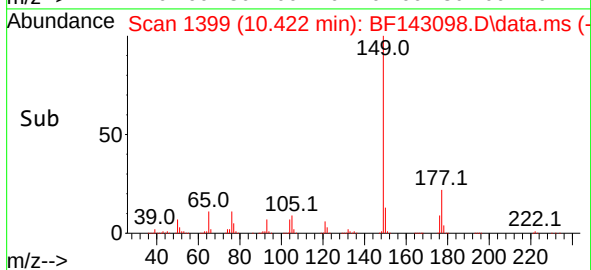
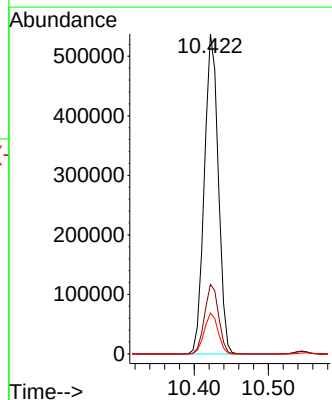
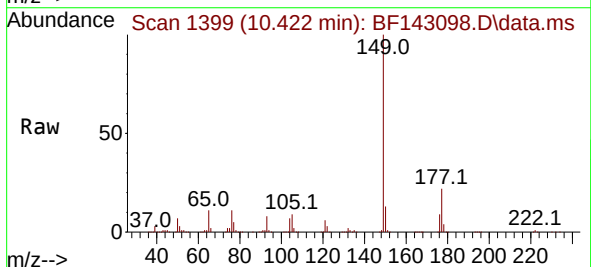
Ion	Ratio	Lower	Upper
232	100		
131	43.8	36.9	55.3
130	2.3	1.8	2.8
166	28.8	23.0	34.6

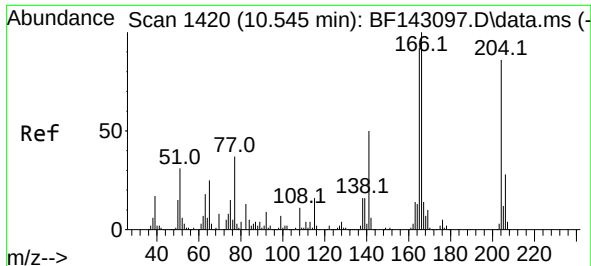


#60
Diethylphthalate
Concen: 51.909 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 702995

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.3	25.9
150	12.8	9.9	14.9

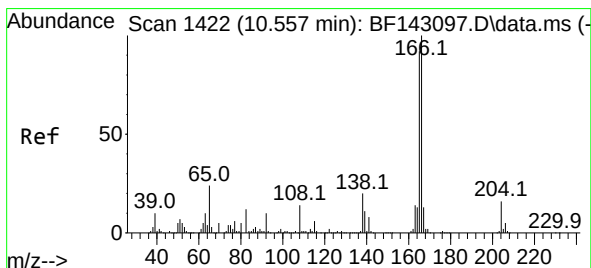
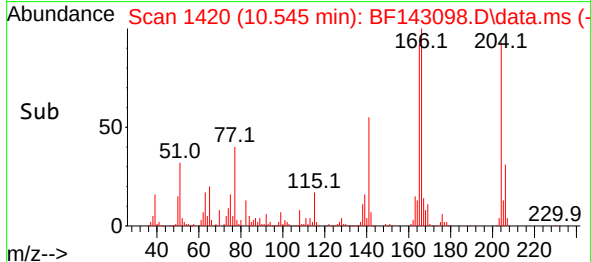
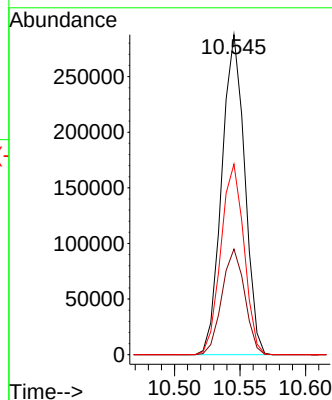
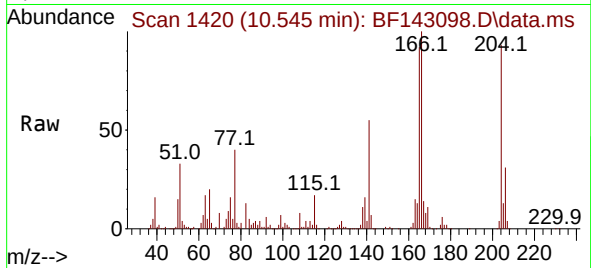




#61
4-Chlorophenyl-phenylether
Concen: 50.675 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

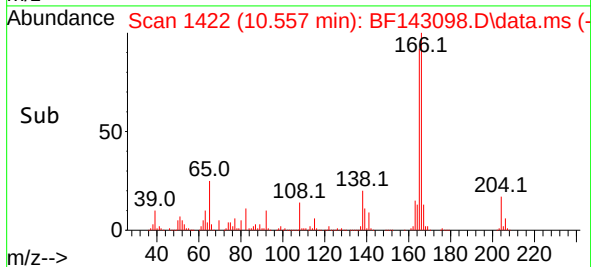
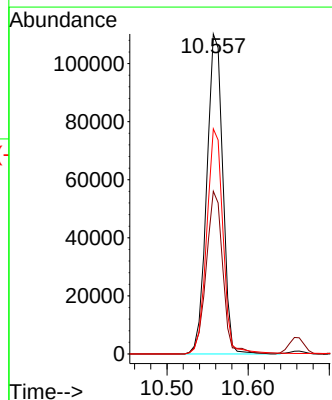
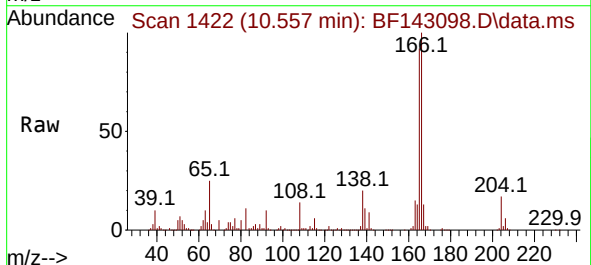
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

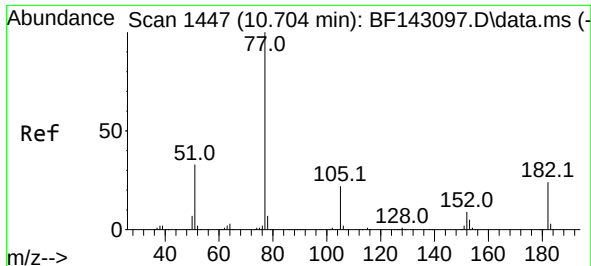
Tgt Ion:204 Resp: 348876
Ion Ratio Lower Upper
204 100
206 33.0 25.8 38.6
141 59.6 46.8 70.2



#62
4-Nitroaniline
Concen: 57.045 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:138 Resp: 150470
Ion Ratio Lower Upper
138 100
92 50.9 30.4 70.4
108 70.3 49.5 89.5

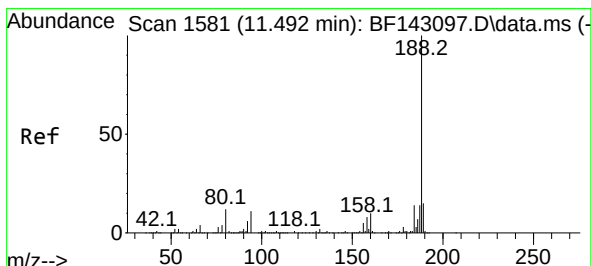
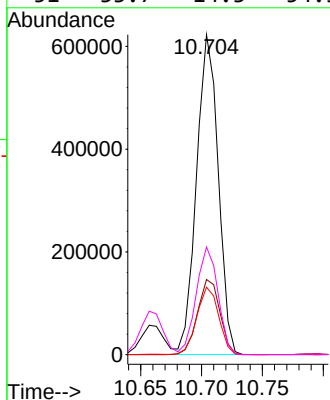
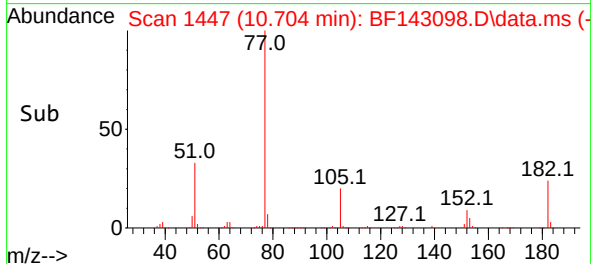
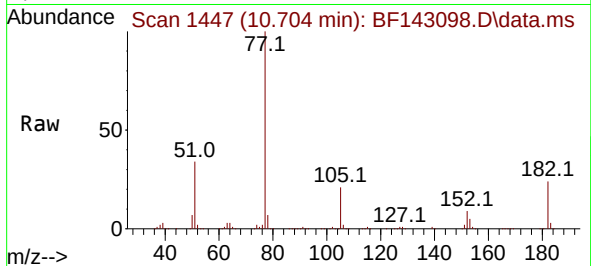




#63
Azobenzene
Concen: 51.451 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

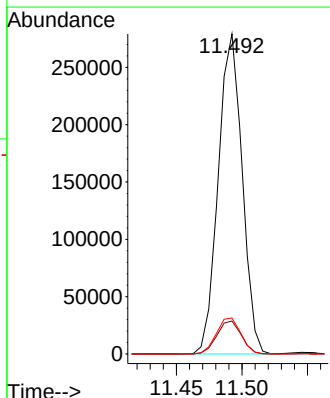
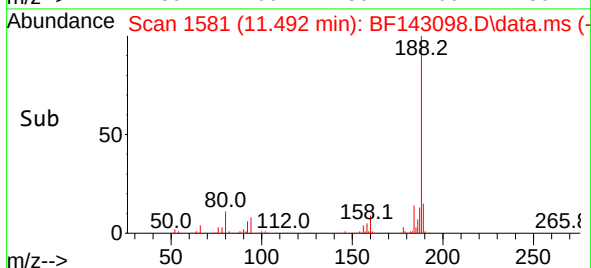
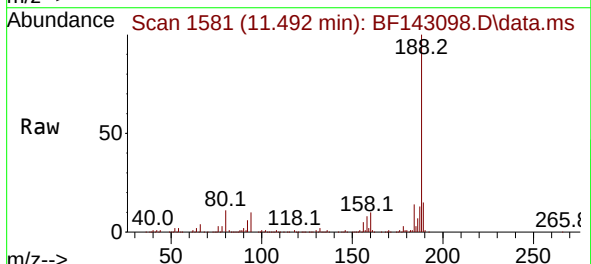
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

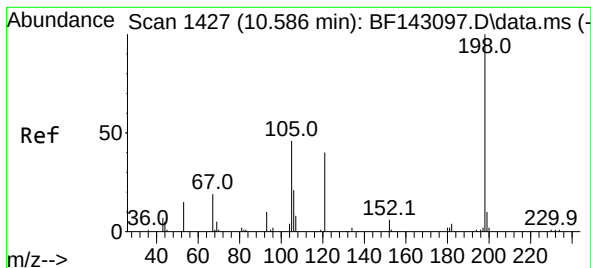
Tgt Ion: 77	Resp: 770603
Ion Ratio	Lower Upper
77 100	
182 23.5	4.0 44.0
105 21.1	1.4 41.4
51 33.7	14.3 54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:188	Resp: 354075
Ion Ratio	Lower Upper
188 100	
94 10.3	8.6 13.0
80 11.3	9.3 13.9

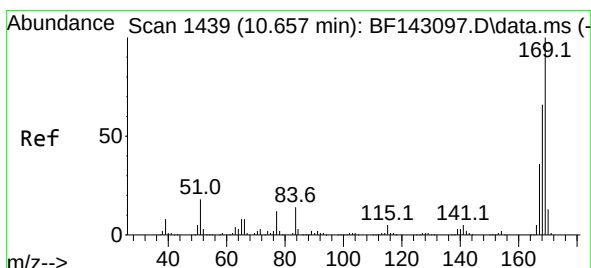
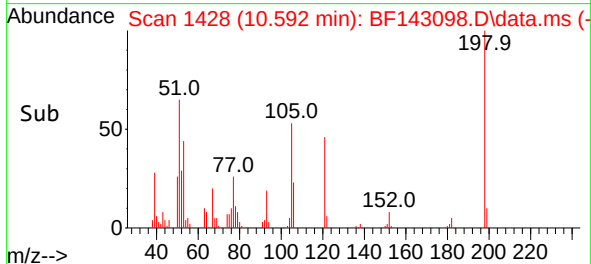
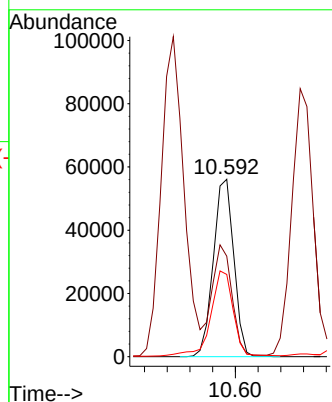
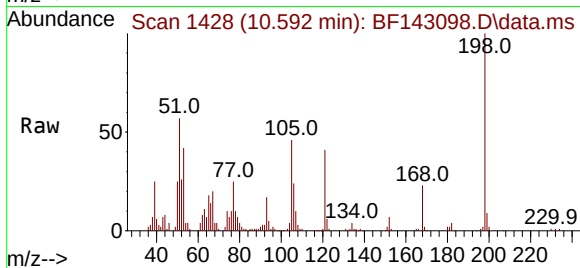




#65
4,6-Dinitro-2-methylphenol
Concen: 51.847 ng
RT: 10.592 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

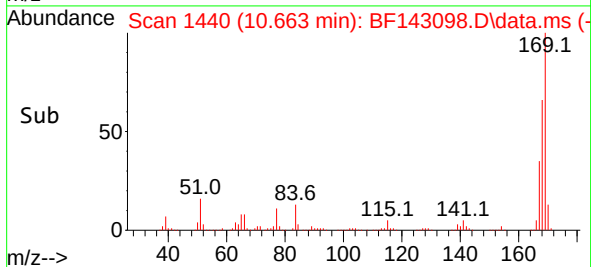
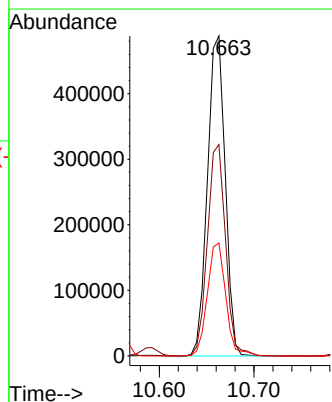
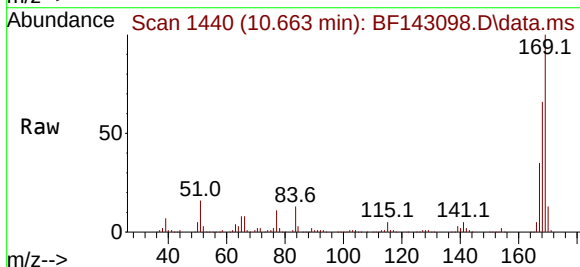
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

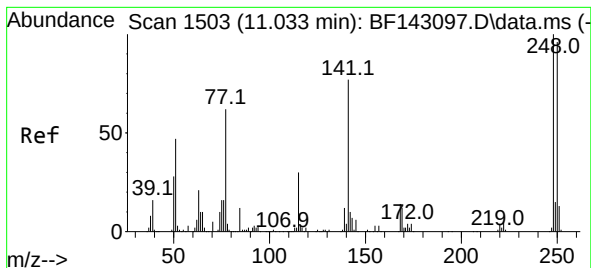
Tgt Ion:198 Resp: 70324
Ion Ratio Lower Upper
198 100
51 56.6 44.6 84.6
105 46.4 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 51.019 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:169 Resp: 634539
Ion Ratio Lower Upper
169 100
168 66.1 53.0 79.6
167 35.3 28.4 42.6

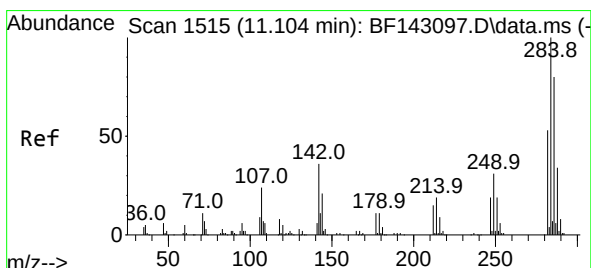
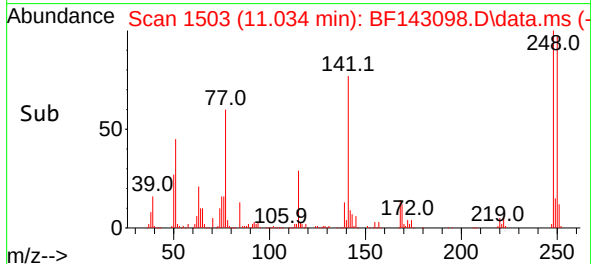
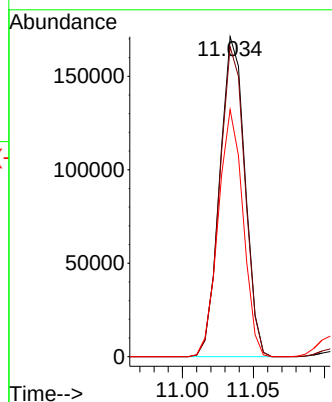
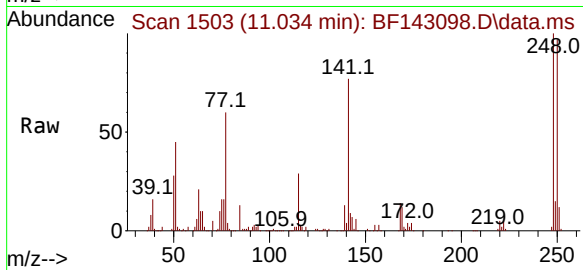




#67
4-Bromophenyl-phenylether
Concen: 52.494 ng
RT: 11.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

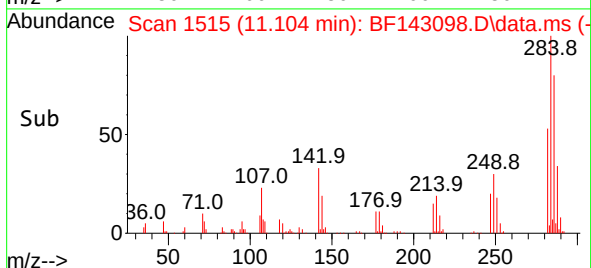
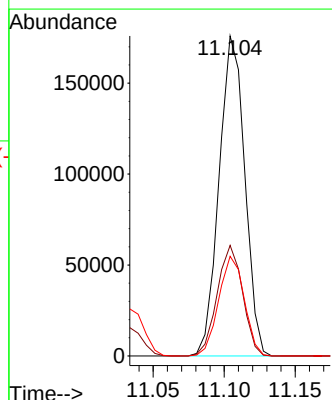
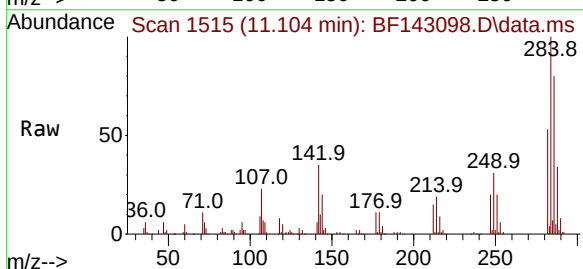
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

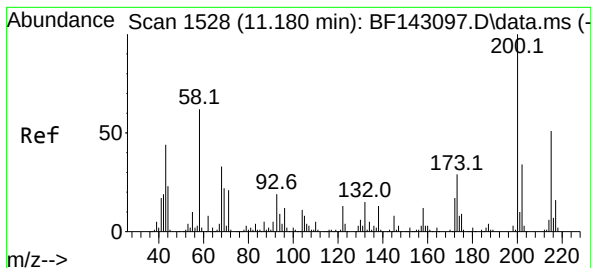
Tgt Ion:248 Resp: 211371
Ion Ratio Lower Upper
248 100
250 96.9 76.7 115.1
141 77.2 61.7 92.5



#68
Hexachlorobenzene
Concen: 51.785 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:284 Resp: 221245
Ion Ratio Lower Upper
284 100
142 34.5 28.9 43.3
249 31.1 24.6 37.0





#69

Atrazine

Concen: 54.359 ng

RT: 11.181 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

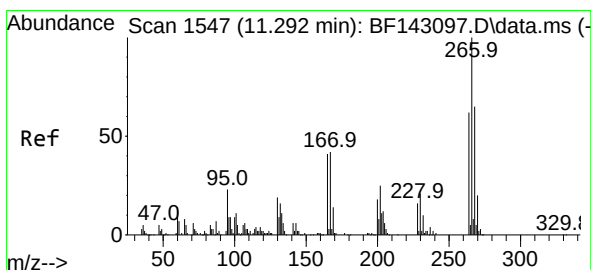
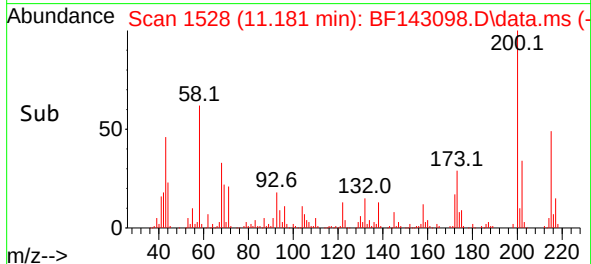
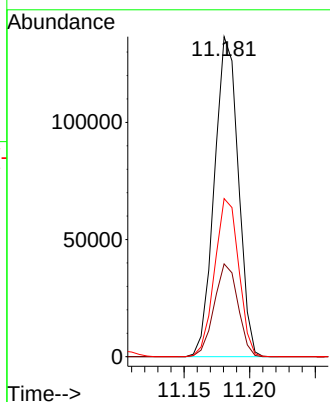
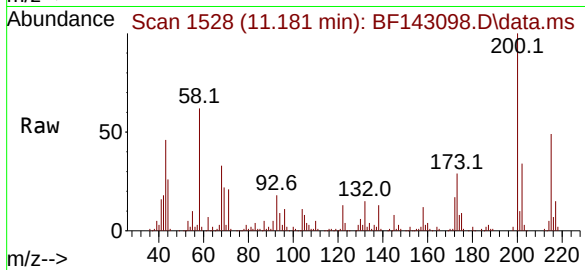
Tgt Ion:200 Resp: 172972

Ion Ratio Lower Upper

200 100

173 29.0 9.1 49.1

215 49.4 31.0 71.0



#70

Pentachlorophenol

Concen: 56.120 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

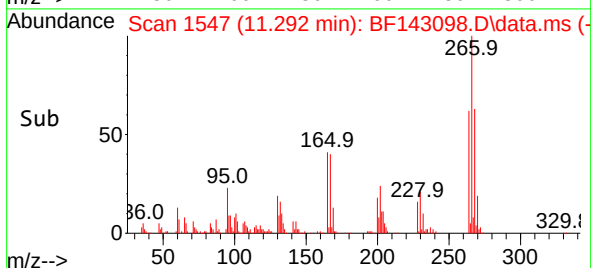
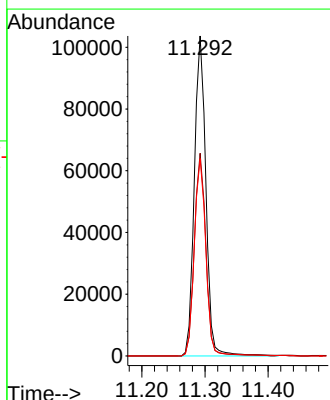
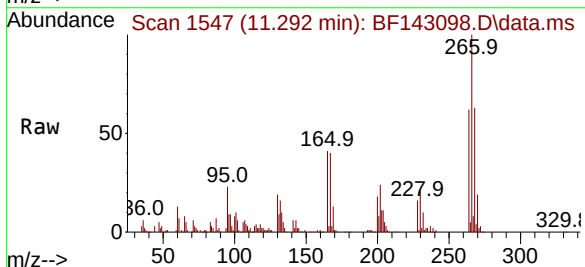
Tgt Ion:266 Resp: 131545

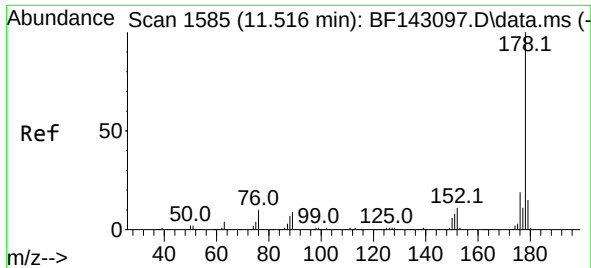
Ion Ratio Lower Upper

266 100

268 63.3 51.8 77.6

264 61.7 49.7 74.5

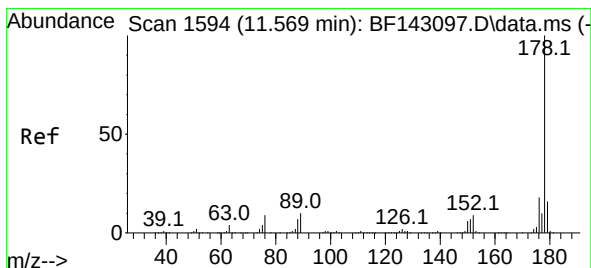
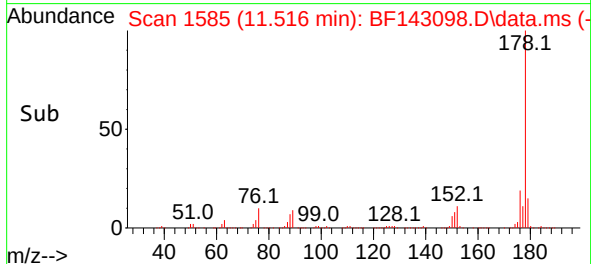
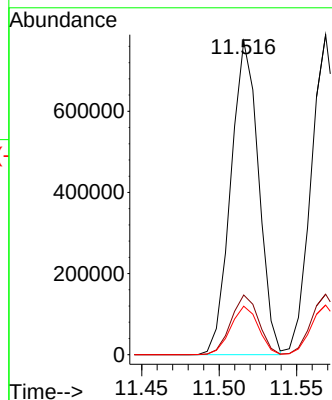
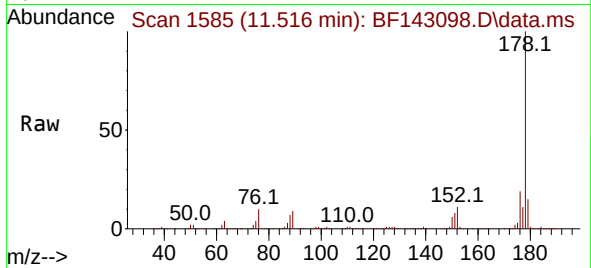




#71
Phenanthrene
Concen: 50.425 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

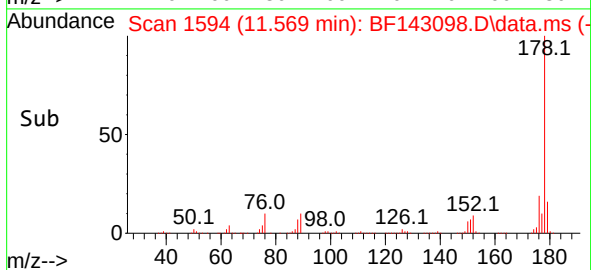
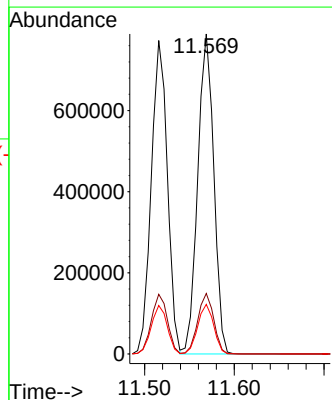
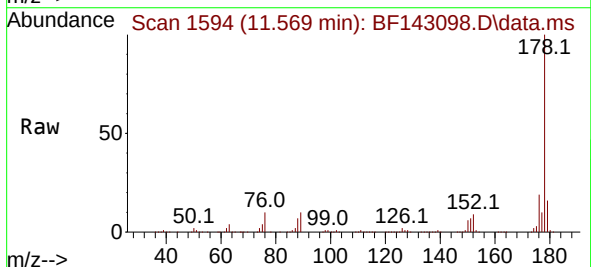
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

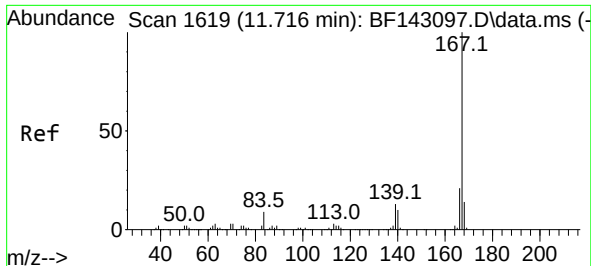
Tgt Ion:178 Resp: 963568
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.5 12.2 18.4



#72
Anthracene
Concen: 50.953 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:178 Resp: 979118
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.5 12.4 18.6

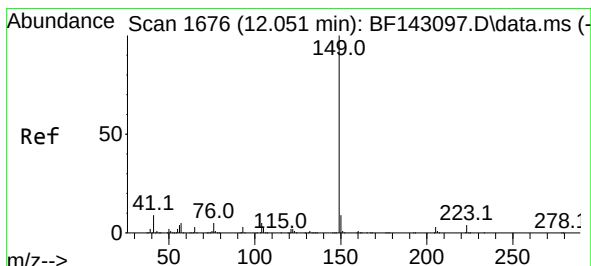
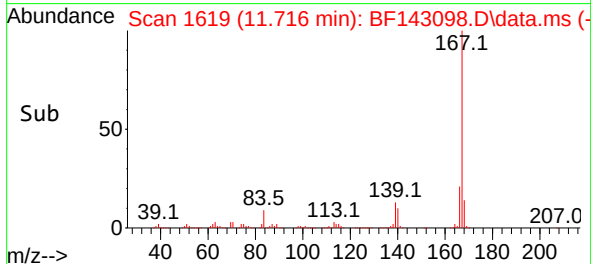
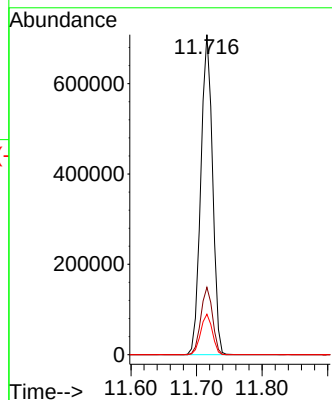
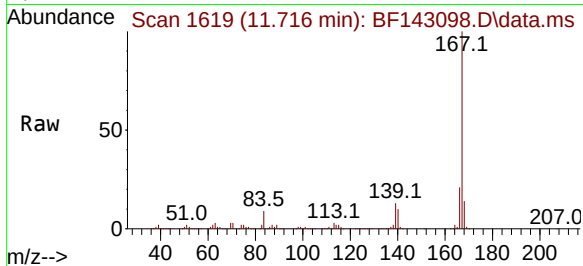




#73
 Carbazole
 Concen: 51.340 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. 0.000 min
 Lab File: BF143098.D
 Acq: 15 Jul 2025 15:35

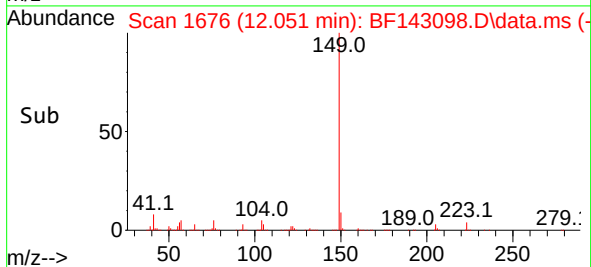
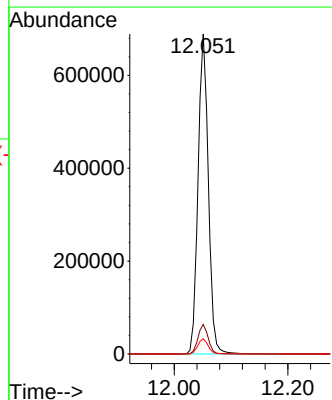
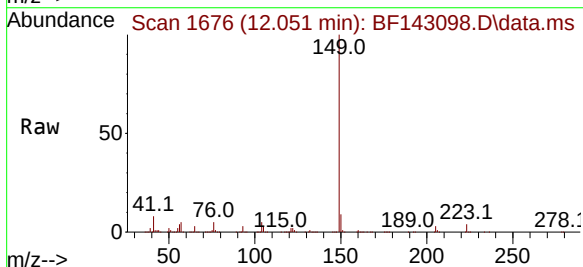
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

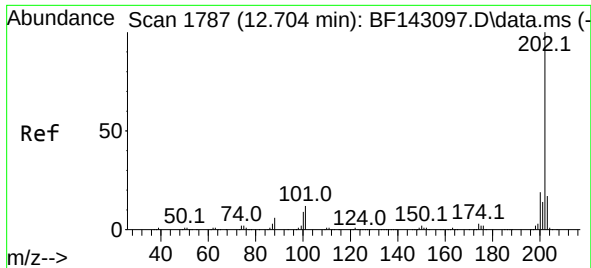
Tgt Ion:167 Resp: 883827
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.4
 139 12.7 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 55.079 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. 0.000 min
 Lab File: BF143098.D
 Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 870362
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 4.8 3.8 5.8

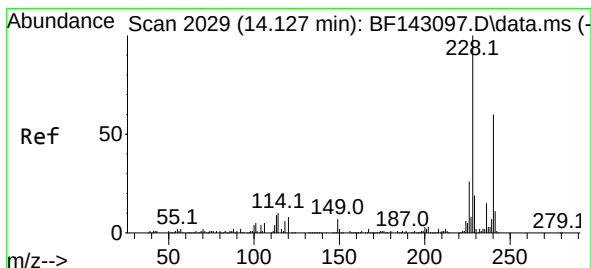
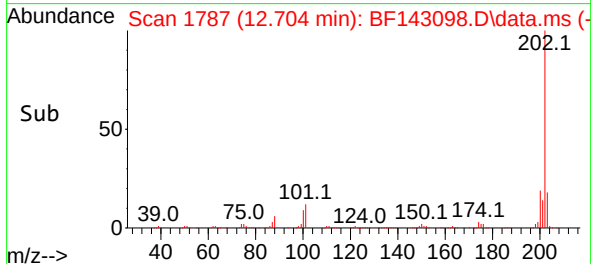
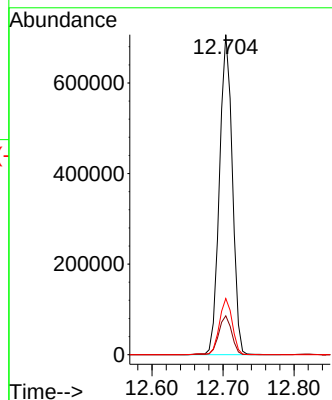
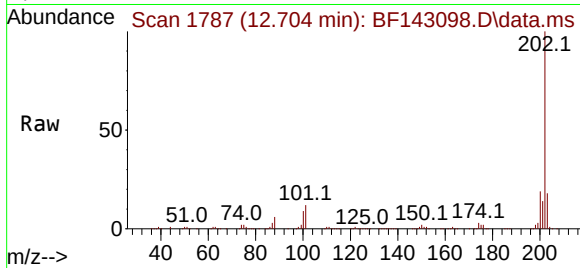




#75
Fluoranthene
Concen: 50.852 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

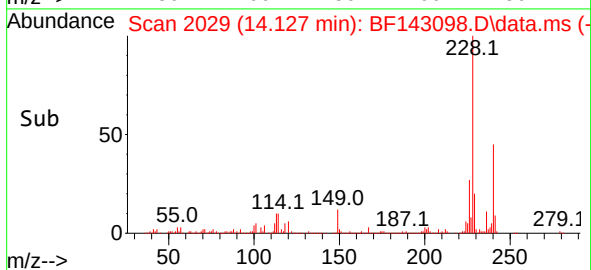
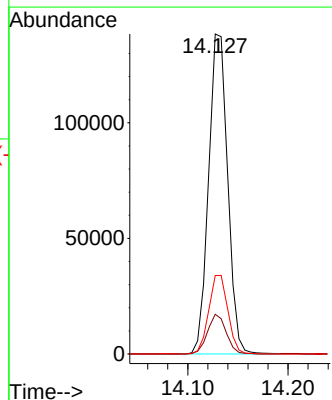
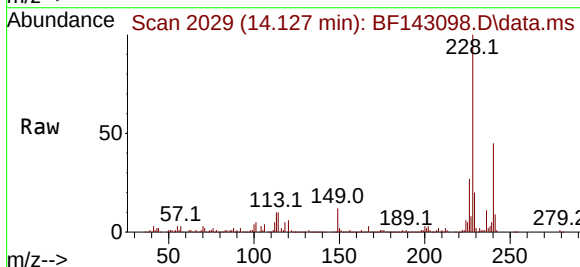
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

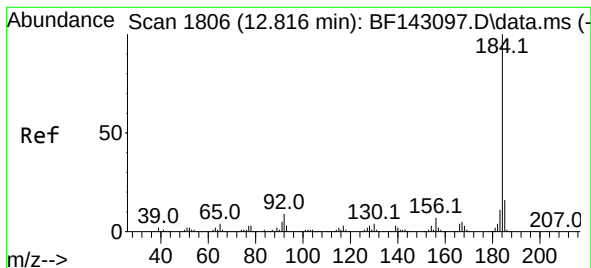
Tgt Ion:202 Resp: 883558
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.4
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:240 Resp: 183692
Ion Ratio Lower Upper
240 100
120 12.4 10.0 15.0
236 24.5 20.0 30.0





#77

Benzidine

Concen: 49.425 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

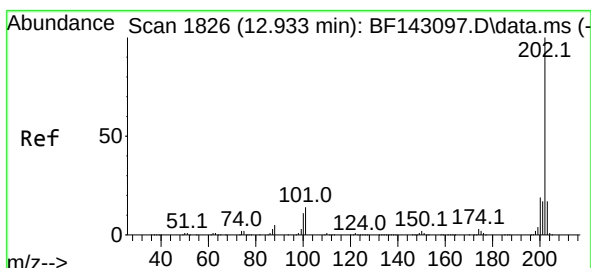
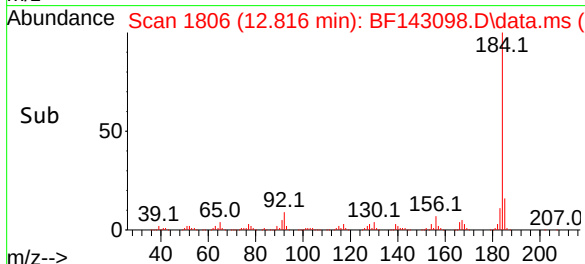
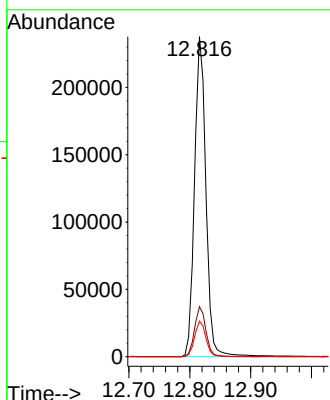
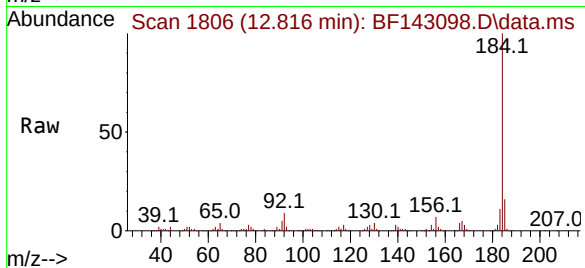
Tgt Ion:184 Resp: 309313

Ion Ratio Lower Upper

184 100

185 15.6 12.4 18.6

183 11.1 8.6 12.8



#78

Pyrene

Concen: 51.681 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

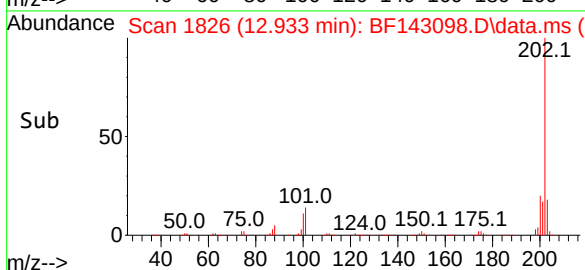
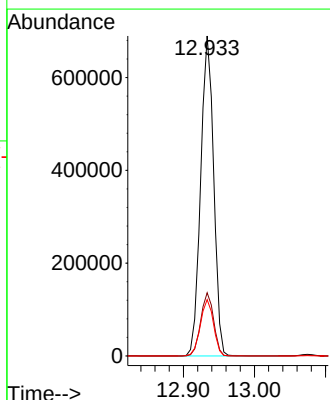
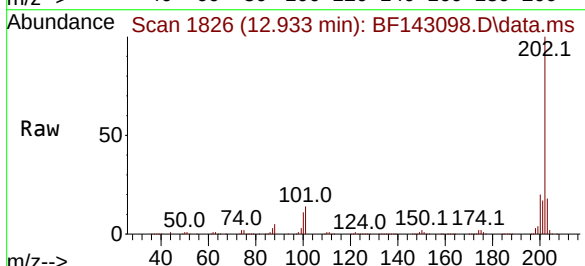
Tgt Ion:202 Resp: 880826

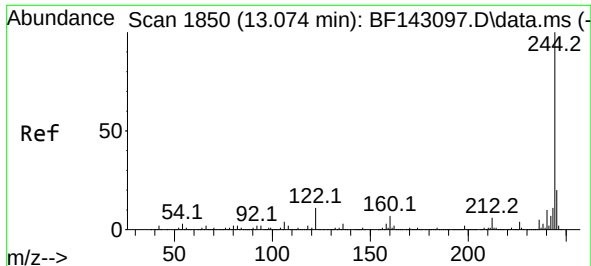
Ion Ratio Lower Upper

202 100

200 19.8 15.5 23.3

203 17.6 14.0 21.0

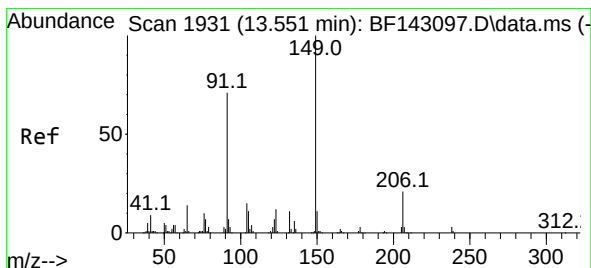
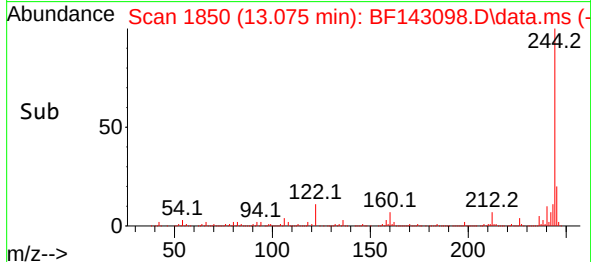
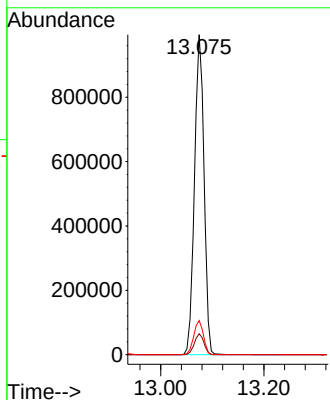
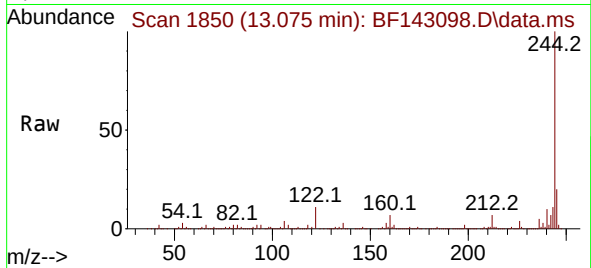




#79
 Terphenyl-d14
 Concen: 101.195 ng
 RT: 13.075 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: BF143098.D
 Acq: 15 Jul 2025 15:35

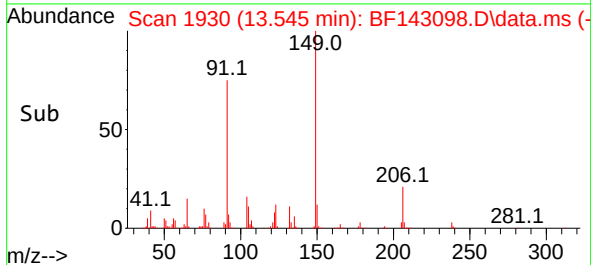
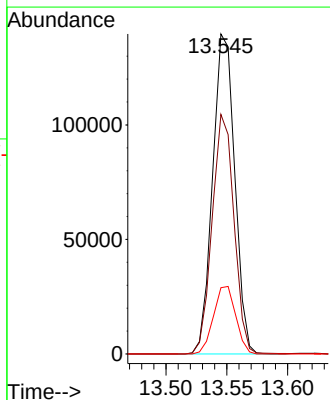
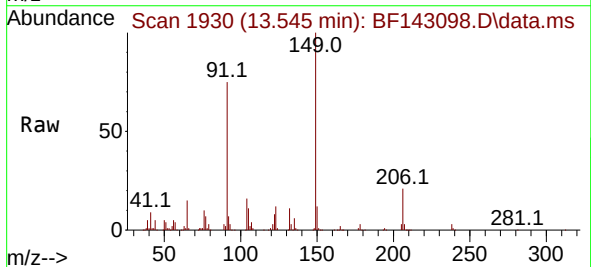
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

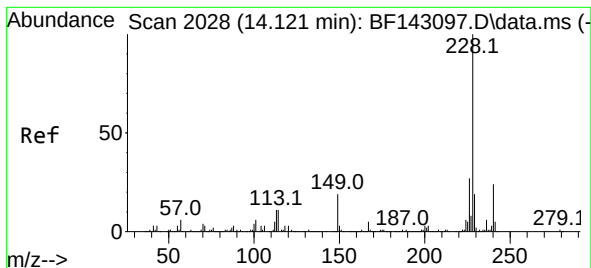
Tgt Ion:244 Resp: 1271626
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 10.7 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 51.324 ng
 RT: 13.545 min Scan# 1930
 Delta R.T. -0.006 min
 Lab File: BF143098.D
 Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 176615
 Ion Ratio Lower Upper
 149 100
 91 74.8 57.0 85.4
 206 20.7 17.2 25.8





#81

Benzo(a)anthracene

Concen: 52.641 ng

RT: 14.122 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

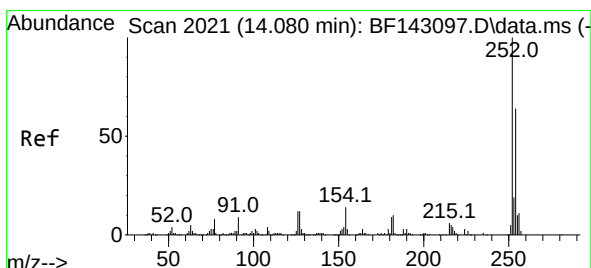
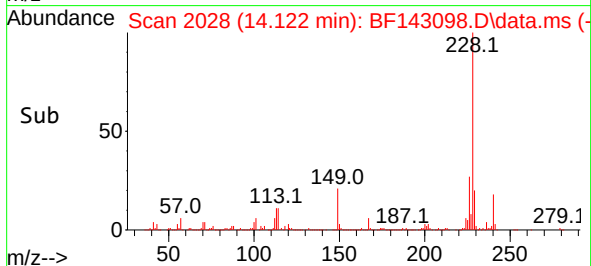
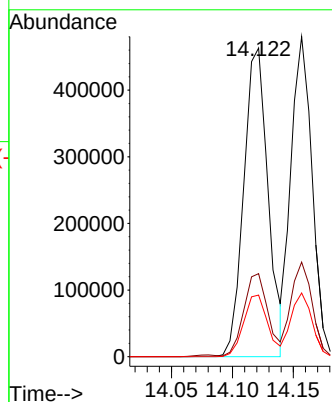
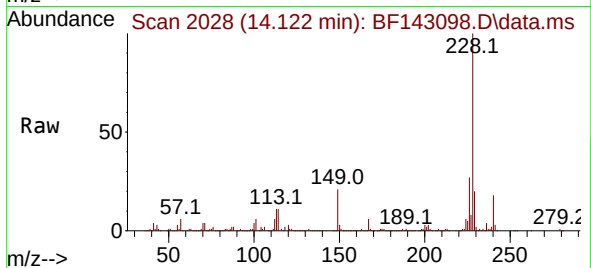
Tgt Ion:228 Resp: 644353

Ion Ratio Lower Upper

228 100

226 26.9 21.3 31.9

229 20.0 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 55.273 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

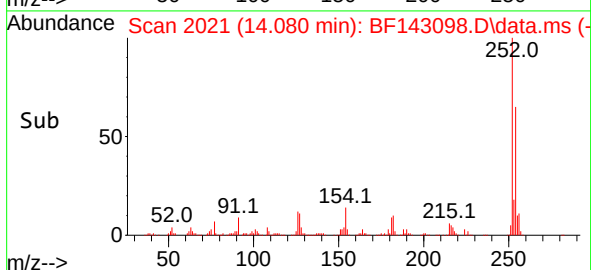
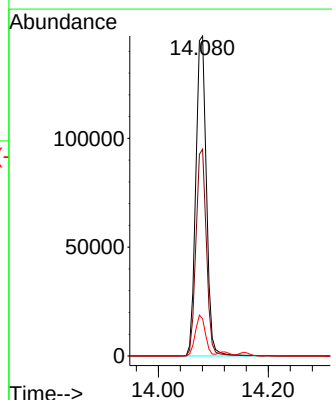
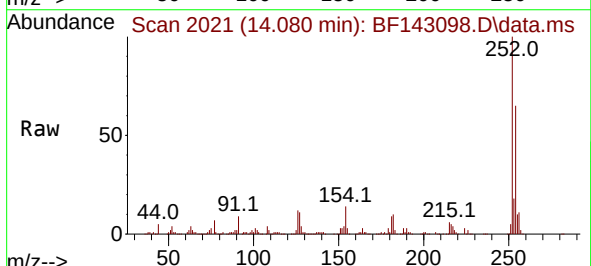
Tgt Ion:252 Resp: 196472

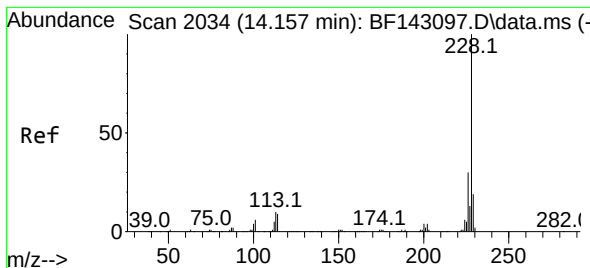
Ion Ratio Lower Upper

252 100

254 64.6 51.5 77.3

126 11.7 9.4 14.0





#83

Chrysene

Concen: 51.740 ng

RT: 14.157 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

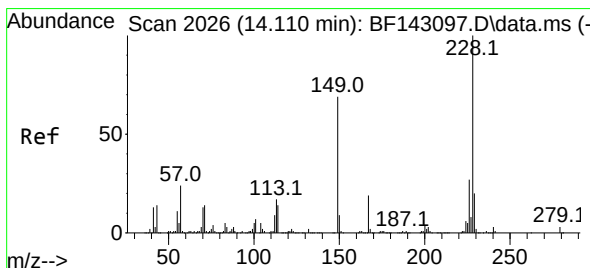
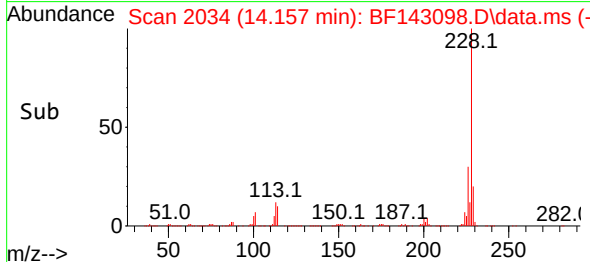
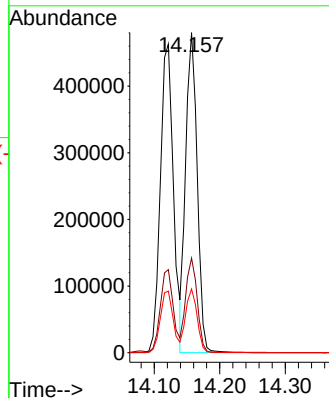
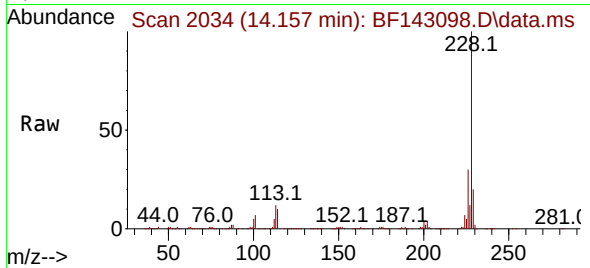
Tgt Ion:228 Resp: 583302

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.2

229 19.9 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.119 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143098.D

Acq: 15 Jul 2025 15:35

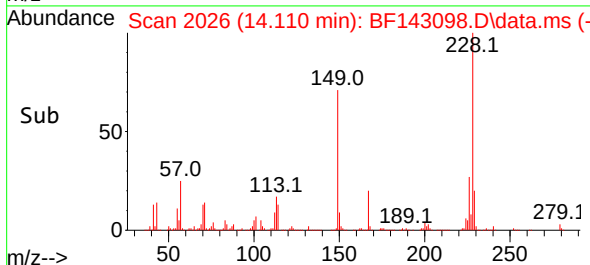
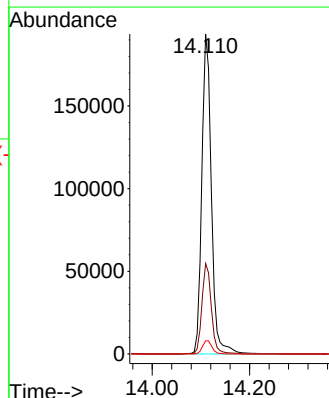
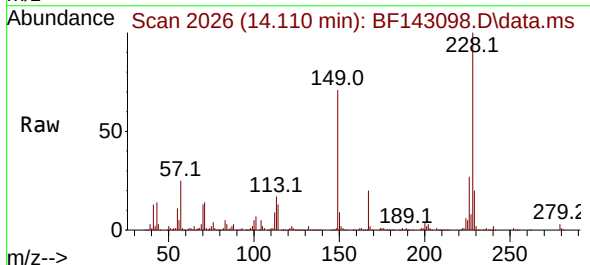
Tgt Ion:149 Resp: 265225

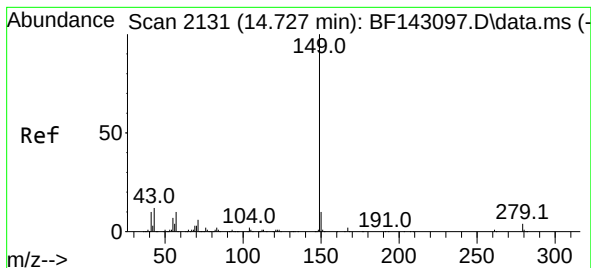
Ion Ratio Lower Upper

149 100

167 28.2 21.9 32.9

279 4.1 3.4 5.0

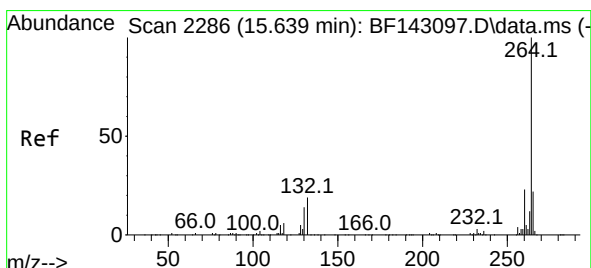
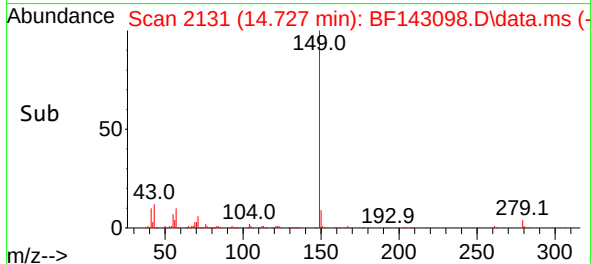
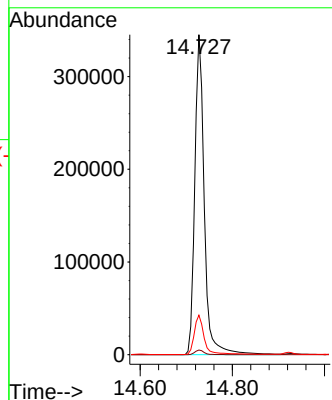
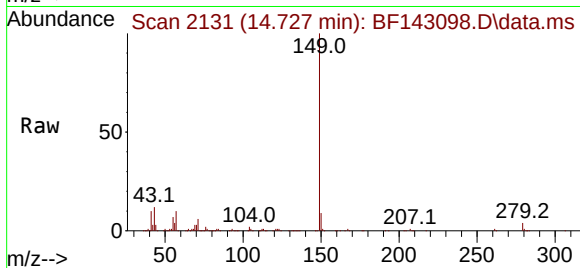




#85
Di-n-octyl phthalate
Concen: 50.100 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

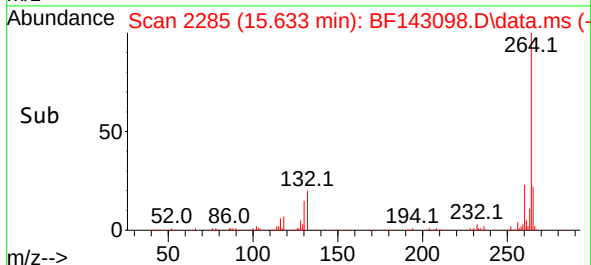
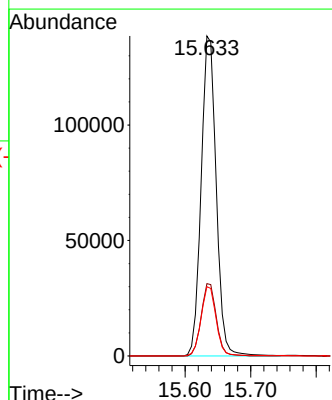
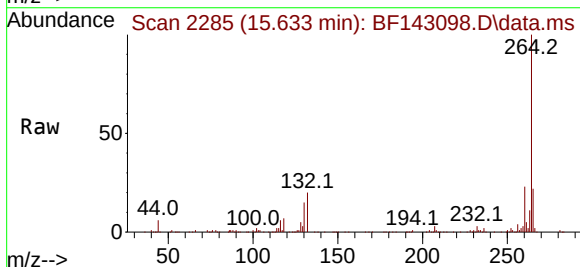
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

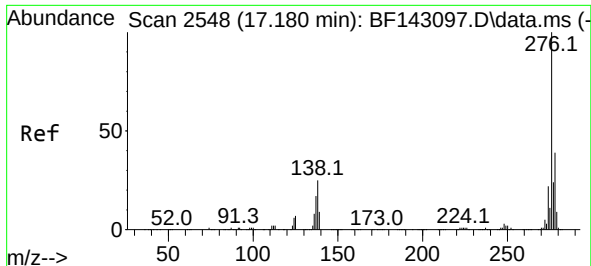
Tgt Ion:149 Resp: 492840
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 13.0 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:264 Resp: 221502
Ion Ratio Lower Upper
264 100
260 22.6 18.5 27.7
265 21.7 17.5 26.3

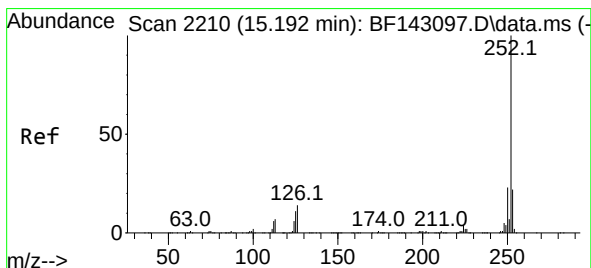
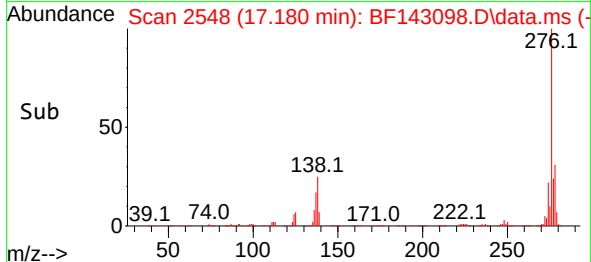
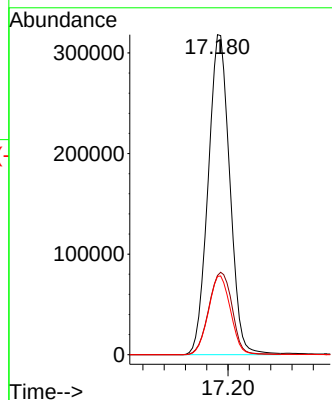
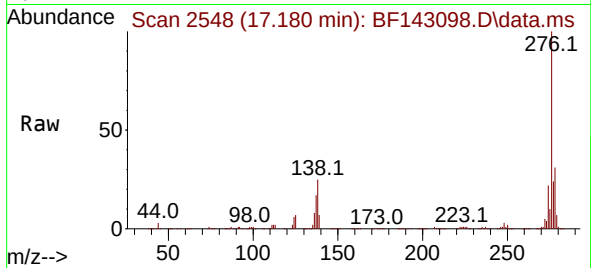




#87
Indeno(1,2,3-cd)pyrene
Concen: 54.440 ng
RT: 17.180 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

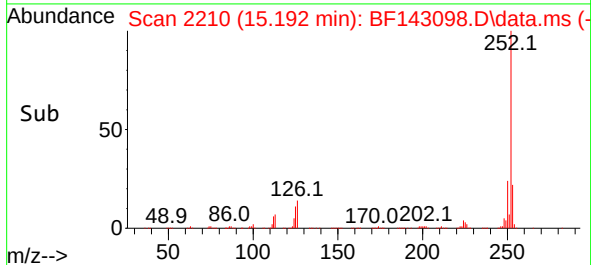
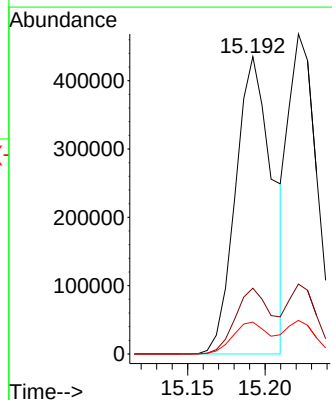
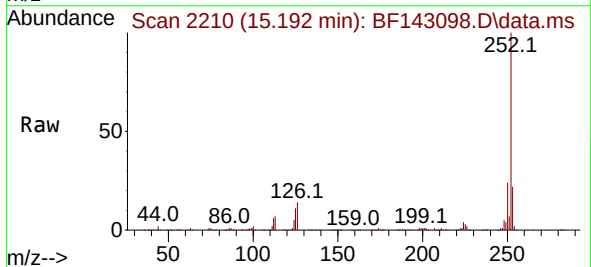
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

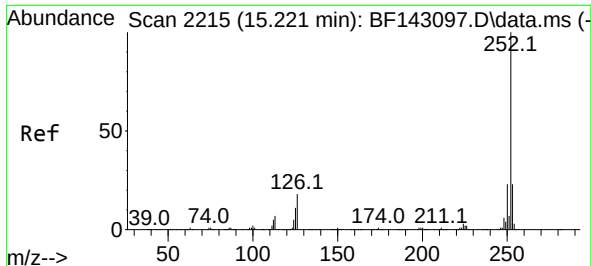
Tgt Ion:276 Resp: 896872
Ion Ratio Lower Upper
276 100
138 28.1 22.6 34.0
277 25.4 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 56.204 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 718106
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.7 8.6 13.0

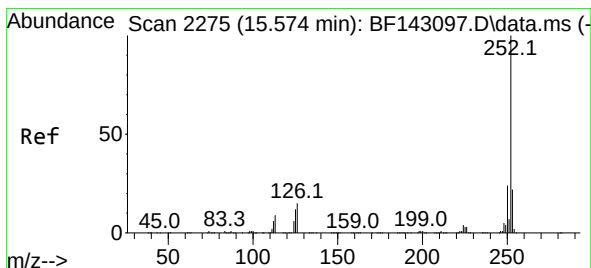
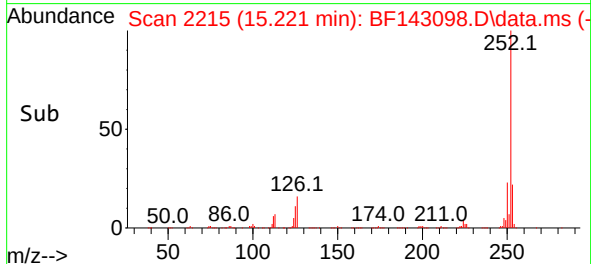
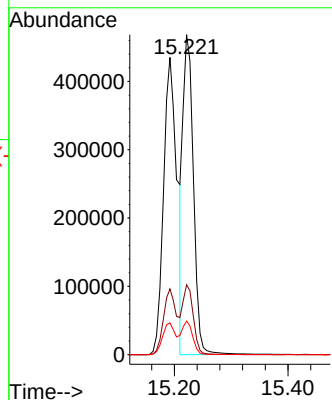
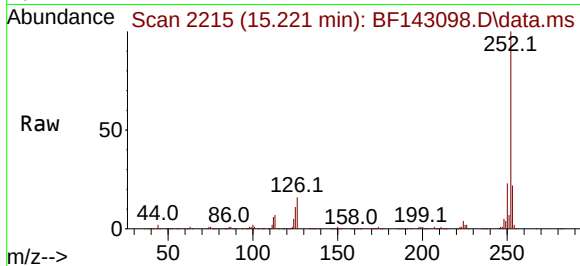




#89
Benzo(k)fluoranthene
Concen: 49.410 ng
RT: 15.221 min Scan# 2215
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

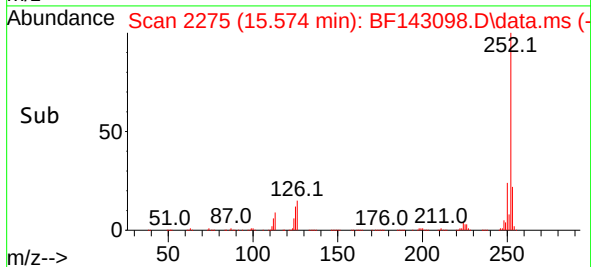
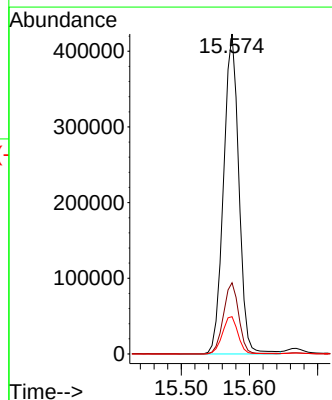
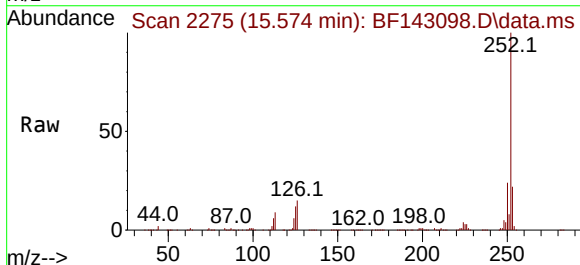
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

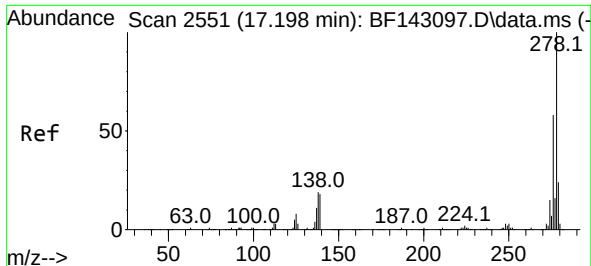
Tgt Ion:252 Resp: 602261
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 10.5 8.5 12.7



#90
Benzo(a)pyrene
Concen: 54.800 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 662193
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 11.6 9.4 14.0

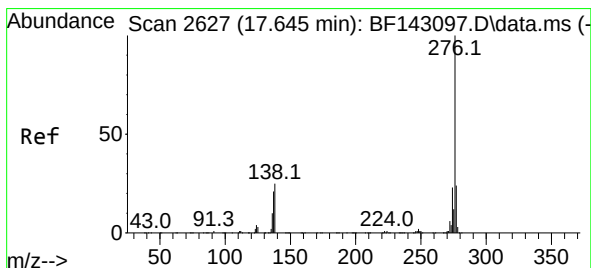
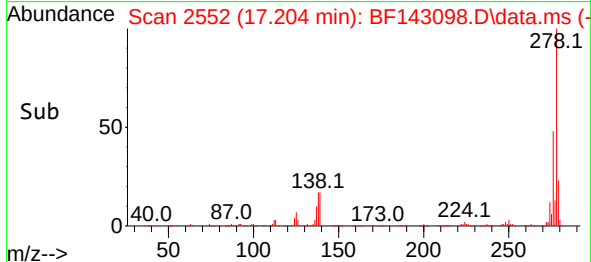
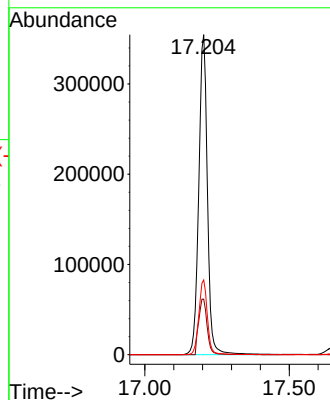
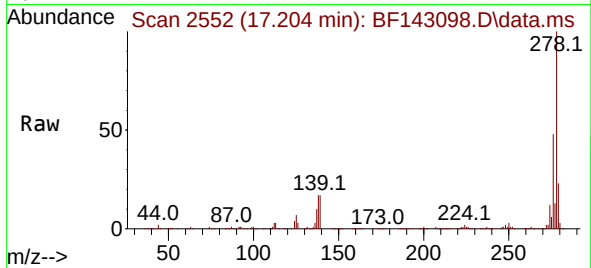




#91
Dibenzo(a,h)anthracene
Concen: 54.700 ng
RT: 17.204 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

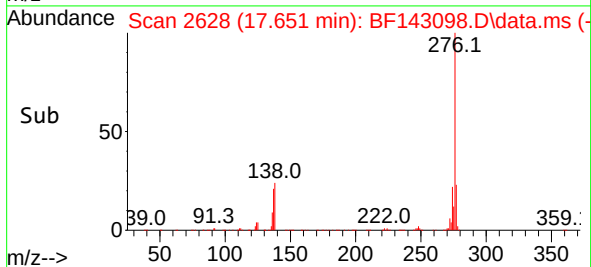
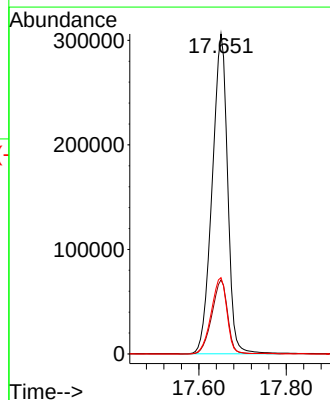
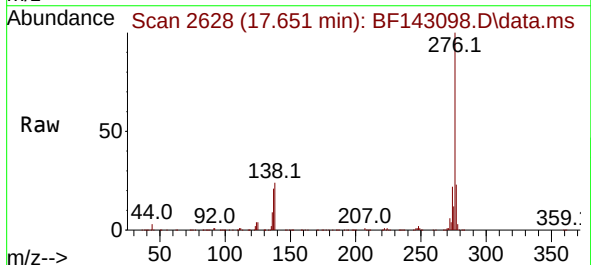
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 736672
Ion Ratio Lower Upper
278 100
139 17.4 14.6 22.0
279 23.3 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 54.390 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:276 Resp: 746789
Ion Ratio Lower Upper
276 100
277 23.2 19.2 28.8
138 23.8 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143099.D
 Acq On : 15 Jul 2025 16:05
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Jul 15 17:41:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	133949	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	501735	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	246002	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	380313	20.000	ng	0.00
76) Chrysene-d12	14.133	240	205942	20.000	ng	0.00
86) Perylene-d12	15.639	264	260121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	990040	116.776	ng	0.00
7) Phenol-d6	6.593	99	1243617	116.695	ng	0.00
23) Nitrobenzene-d5	7.534	82	1172838	131.129	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	286830	130.765	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1999612	108.050	ng	0.00
79) Terphenyl-d14	13.075	244	1539271	109.260	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	251636	59.625	ng	100
3) Pyridine	3.587	79	647877	60.624	ng	99
4) n-Nitrosodimethylamine	3.534	42	337438	60.943	ng	100
6) Aniline	6.634	93	882633	58.815	ng	100
8) 2-Chlorophenol	6.757	128	516965	60.690	ng	98
9) Benzaldehyde	6.522	77	467499	57.571	ng	99
10) Phenol	6.604	94	716983	62.147	ng	97
11) bis(2-Chloroethyl)ether	6.704	93	518695	58.076	ng	99
12) 1,3-Dichlorobenzene	6.916	146	557813	57.965	ng	99
13) 1,4-Dichlorobenzene	6.987	146	556805	57.513	ng	99
14) 1,2-Dichlorobenzene	7.140	146	530965	57.510	ng	98
15) Benzyl Alcohol	7.104	79	477773	60.505	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.245	45	941009	57.157	ng	99
17) 2-Methylphenol	7.210	107	432787	58.876	ng	99
18) Hexachloroethane	7.487	117	191457	60.747	ng	99
19) n-Nitroso-di-n-propyla...	7.387	70	379882	58.184	ng	98
20) 3+4-Methylphenols	7.369	107	519658	57.645	ng	98
22) Acetophenone	7.375	105	679007	56.141	ng	# 92
24) Nitrobenzene	7.551	77	550668	63.778	ng	99
25) Isophorone	7.793	82	1033650	59.793	ng	100
26) 2-Nitrophenol	7.863	139	219665	62.382	ng	98
27) 2,4-Dimethylphenol	7.898	122	474411	59.127	ng	98
28) bis(2-Chloroethoxy)met...	7.992	93	608314	58.029	ng	100
29) 2,4-Dichlorophenol	8.104	162	408655	62.256	ng	99
30) 1,2,4-Trichlorobenzene	8.192	180	431427	57.913	ng	98
31) Naphthalene	8.275	128	1410509	56.612	ng	100
32) Benzoic acid	8.010	122	244396	59.376	ng	97
33) 4-Chloroaniline	8.316	127	574196	57.309	ng	99
34) Hexachlorobutadiene	8.398	225	265081	59.499	ng	99
35) Caprolactam	8.687	113	129583	63.219	ng	97
36) 4-Chloro-3-methylphenol	8.792	107	440907	60.299	ng	98
37) 2-Methylnaphthalene	8.963	142	846190	56.930	ng	100
38) 1-Methylnaphthalene	9.063	142	869460	56.399	ng	100
40) 1,2,4,5-Tetrachloroben...	9.134	216	414099	57.762	ng	99
41) Hexachlorocyclopentadiene	9.122	237	262731	66.101	ng	98
43) 2,4,6-Trichlorophenol	9.239	196	290245	65.157	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143099.D
 Acq On : 15 Jul 2025 16:05
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

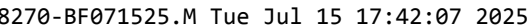
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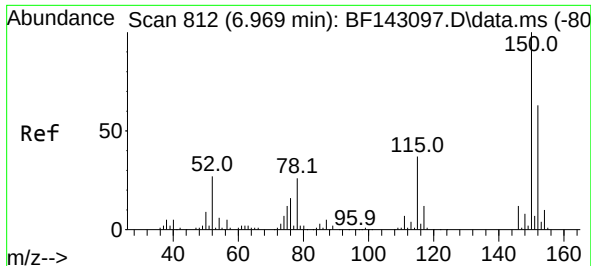
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	277922	59.502	ng	99
46) 1,1'-Biphenyl	9.428	154	1103990	56.274	ng	100
47) 2-Chloronaphthalene	9.451	162	826528	57.350	ng	98
48) 2-Nitroaniline	9.539	65	267636	61.259	ng	98
49) Acenaphthylene	9.869	152	1378196	57.388	ng	100
50) Dimethylphthalate	9.728	163	899456	58.118	ng	100
51) 2,6-Dinitrotoluene	9.781	165	193185	62.287	ng	93
52) Acenaphthene	10.045	154	802583	56.633	ng	99
53) 3-Nitroaniline	9.951	138	230773	69.008	ng	96
54) 2,4-Dinitrophenol	10.051	184	66479	61.314	ng	# 4
55) Dibenzofuran	10.216	168	1184002	56.052	ng	100
56) 4-Nitrophenol	10.098	139	174657	65.716	ng	96
57) 2,4-Dinitrotoluene	10.186	165	235488	60.695	ng	99
58) Fluorene	10.557	166	875218	55.265	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.328	232	238428	64.235	ng	98
60) Diethylphthalate	10.428	149	876047	58.672	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	432659	57.000	ng	99
62) 4-Nitroaniline	10.563	138	194271	66.802	ng	97
63) Azobenzene	10.704	77	946204	57.300	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	96305	62.285	ng	98
66) n-Nitrosodiphenylamine	10.663	169	781087	58.469	ng	100
67) 4-Bromophenyl-phenylether	11.039	248	260491	60.229	ng	96
68) Hexachlorobenzene	11.110	284	273112	59.515	ng	95
69) Atrazine	11.186	200	211351	61.838	ng	99
70) Pentachlorophenol	11.292	266	165676	65.805	ng	99
71) Phenanthrene	11.516	178	1165047	56.762	ng	99
72) Anthracene	11.569	178	1188635	57.589	ng	100
73) Carbazole	11.716	167	1057291	57.179	ng	100
74) Di-n-butylphthalate	12.051	149	1074246	63.291	ng	100
75) Fluoranthene	12.704	202	1069898	57.328	ng	100
77) Benzidine	12.816	184	380587	54.244	ng	100
78) Pyrene	12.933	202	1060216	55.485	ng	99
80) Butylbenzylphthalate	13.551	149	243805	62.406	ng	98
81) Benzo(a)anthracene	14.122	228	819246	59.697	ng	99
82) 3,3'-Dichlorobenzidine	14.080	252	254086	63.758	ng	99
83) Chrysene	14.157	228	758916	60.044	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	364902	61.957	ng	100
85) Di-n-octyl phthalate	14.727	149	688940	60.817	ng	98
87) Indeno(1,2,3-cd)pyrene	17.192	276	1185702	61.286	ng	99
88) Benzo(b)fluoranthene	15.192	252	924866	61.640	ng	100
89) Benzo(k)fluoranthene	15.227	252	827274	57.794	ng	99
90) Benzo(a)pyrene	15.574	252	876856	61.791	ng	100
91) Dibenzo(a,h)anthracene	17.210	278	953666	60.300	ng	99
92) Benzo(g,h,i)perylene	17.657	276	982960	60.962	ng	99

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

Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

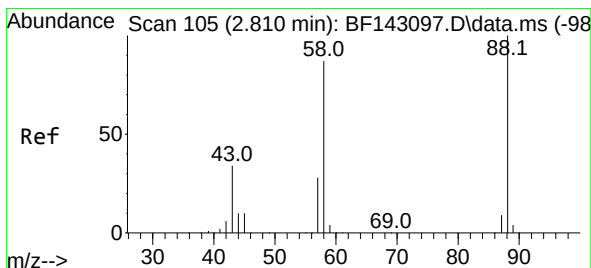
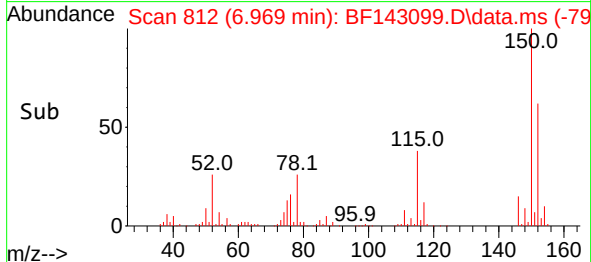
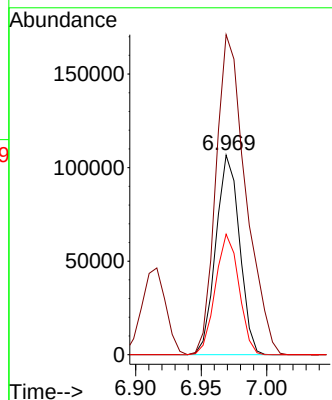
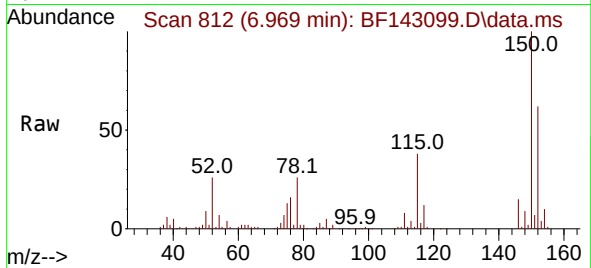




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

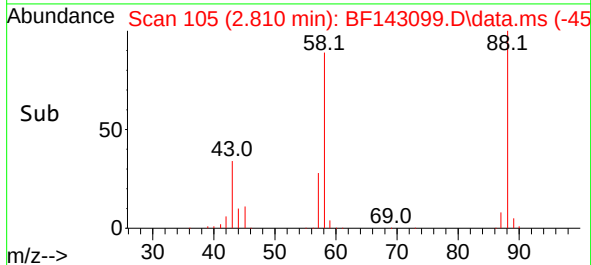
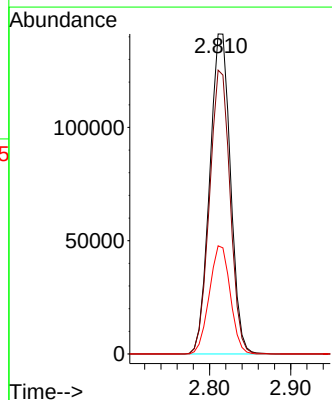
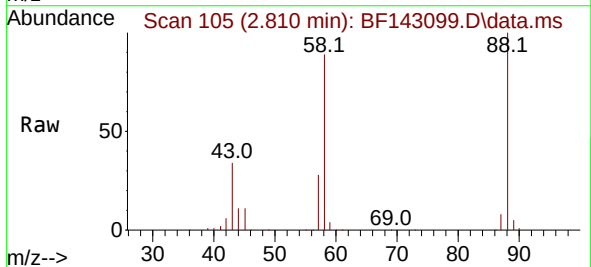
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

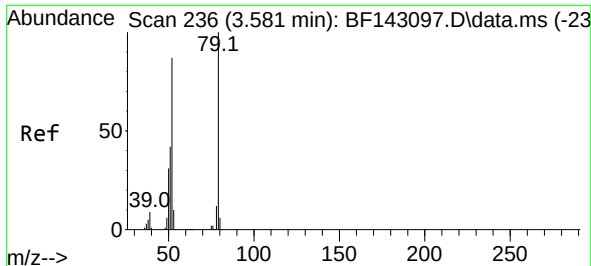
Tgt Ion:152 Resp: 133949
Ion Ratio Lower Upper
152 100
150 160.4 126.5 189.7
115 60.4 47.0 70.6



#2
1,4-Dioxane
Concen: 59.625 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 88 Resp: 251636
Ion Ratio Lower Upper
88 100
58 87.7 70.5 105.7
43 34.0 27.3 40.9

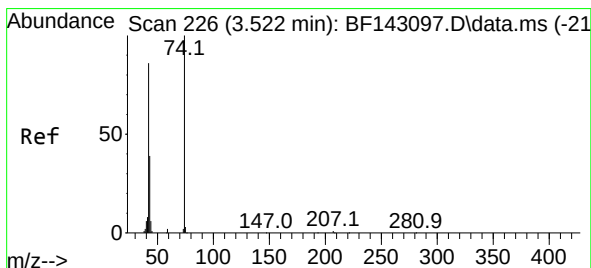
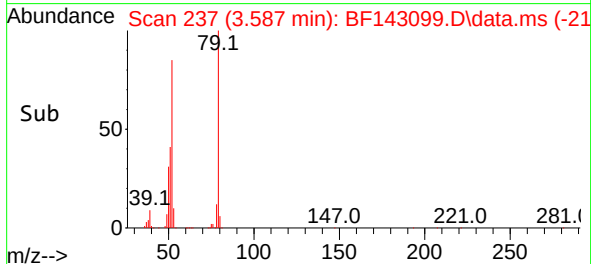
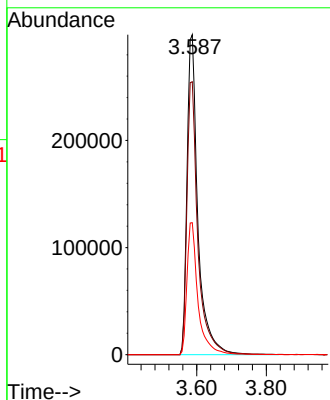
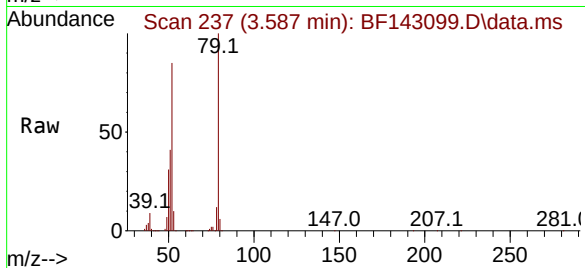




#3
Pyridine
Concen: 60.624 ng
RT: 3.587 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

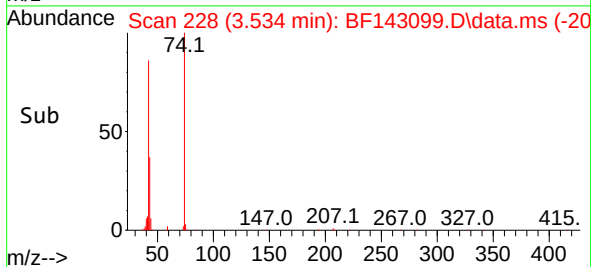
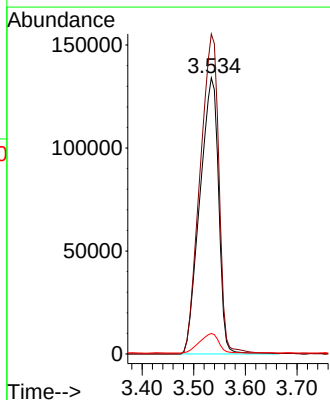
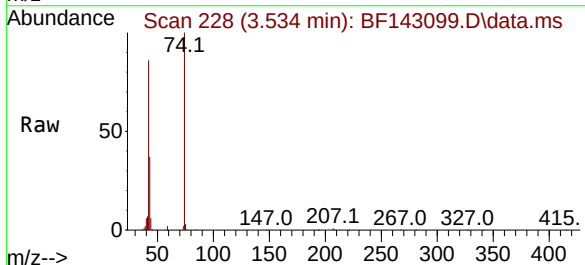
Instrument :
BNA_F
ClientSampleId :
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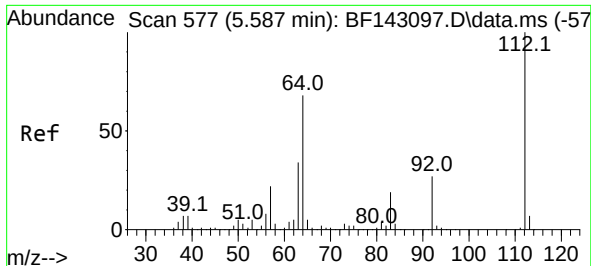
Tgt Ion: 79 Resp: 647877
Ion Ratio Lower Upper
79 100
52 85.3 69.2 103.8
51 41.3 33.3 49.9



#4
n-Nitrosodimethylamine
Concen: 60.943 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 42 Resp: 337438
Ion Ratio Lower Upper
42 100
74 115.8 92.8 139.2
44 7.4 5.8 8.6

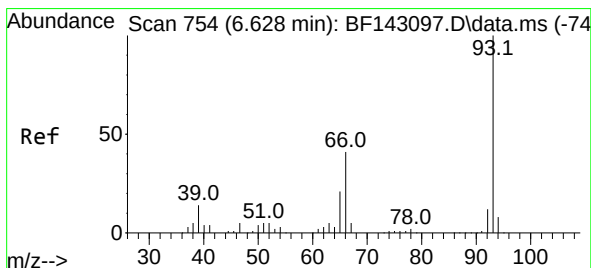
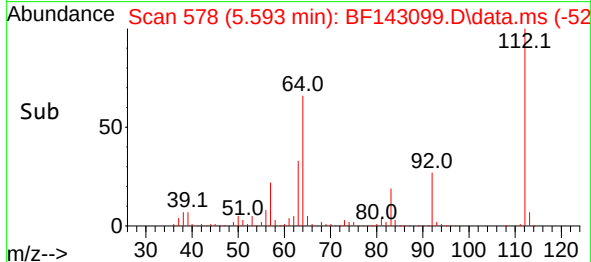
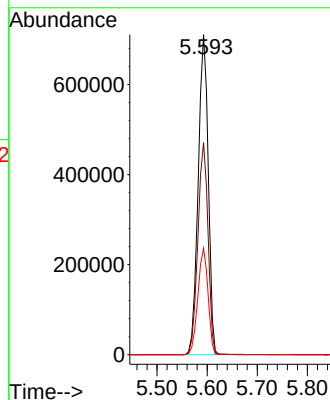
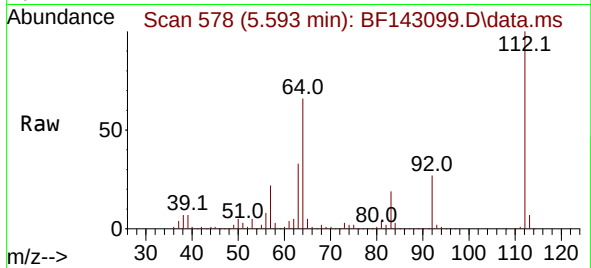




#5
2-Fluorophenol
Concen: 116.776 ng
RT: 5.593 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

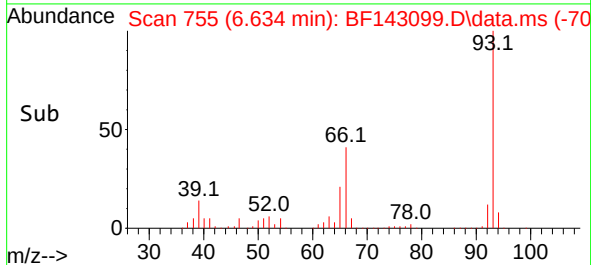
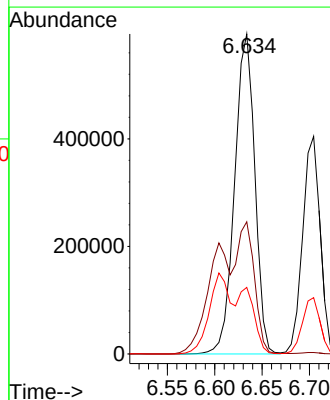
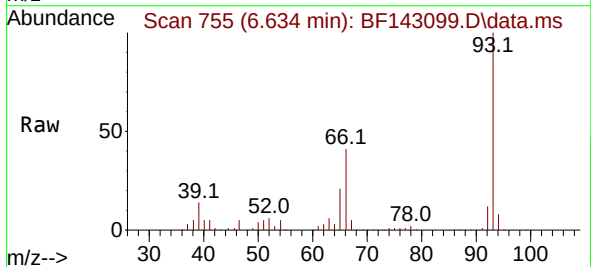
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

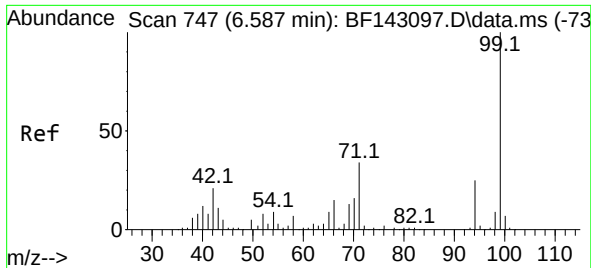
Tgt Ion:112 Resp: 990040
Ion Ratio Lower Upper
112 100
64 66.2 54.6 82.0
63 33.2 27.3 40.9



#6
Aniline
Concen: 58.815 ng
RT: 6.634 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 93 Resp: 882633
Ion Ratio Lower Upper
93 100
66 41.3 33.1 49.7
65 20.8 16.9 25.3

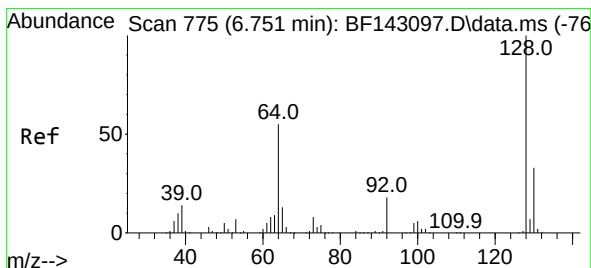
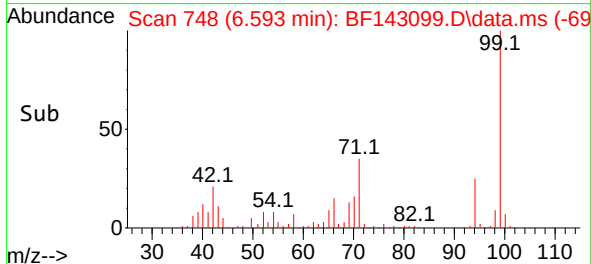
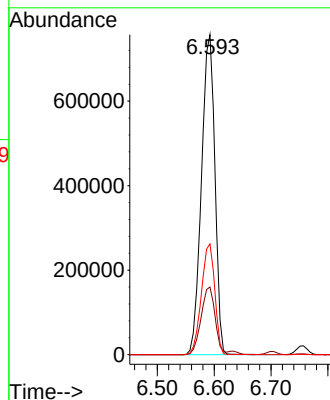
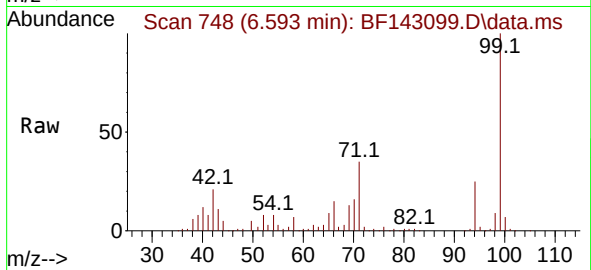




#7
Phenol-d6
Concen: 116.695 ng
RT: 6.593 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

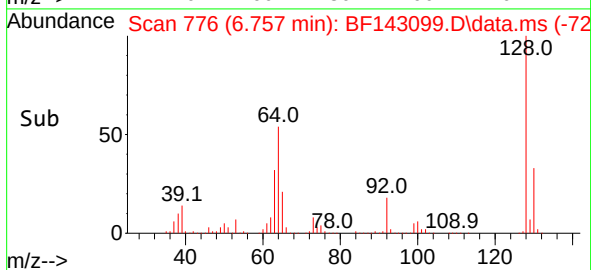
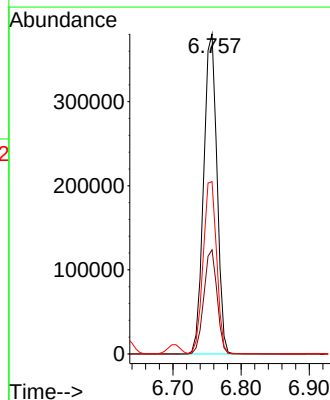
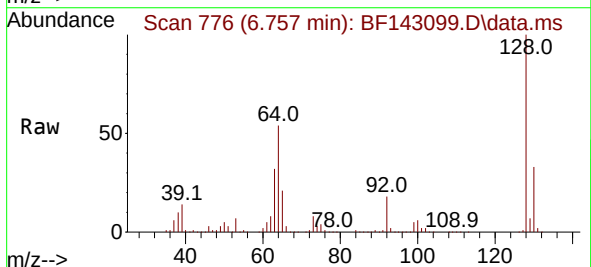
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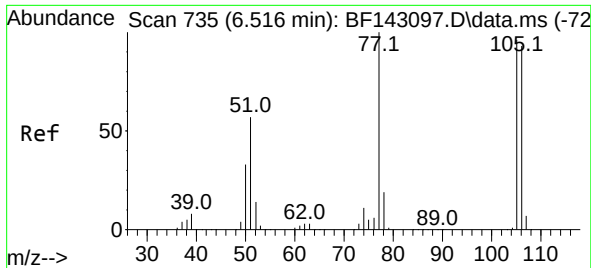
Tgt Ion: 99 Resp: 1243617
Ion Ratio Lower Upper
99 100
42 21.2 17.2 25.8
71 34.7 27.4 41.0



#8
2-Chlorophenol
Concen: 60.690 ng
RT: 6.757 min Scan# 776
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:128 Resp: 516965
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 53.9 36.1 76.1

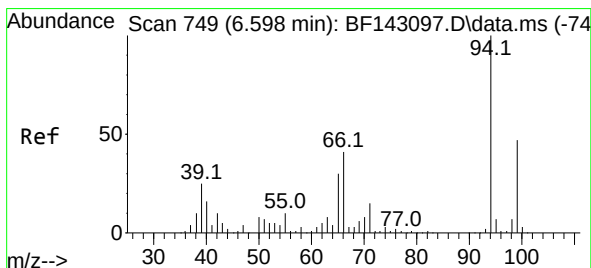
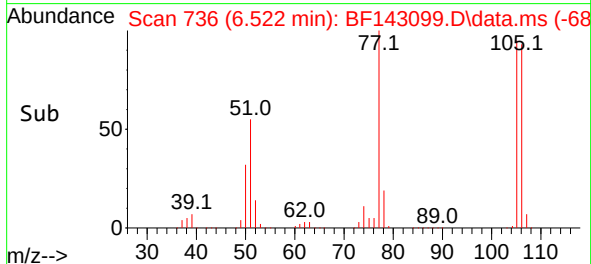
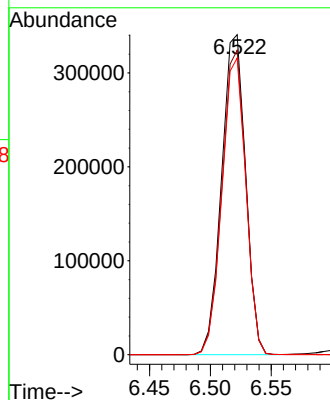
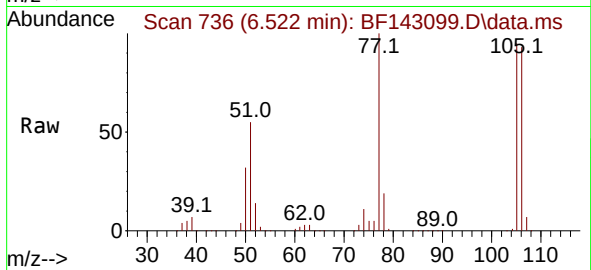




#9
Benzaldehyde
Concen: 57.571 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

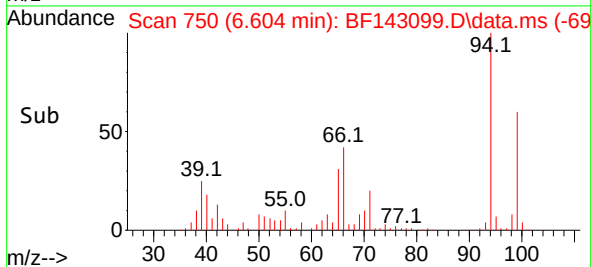
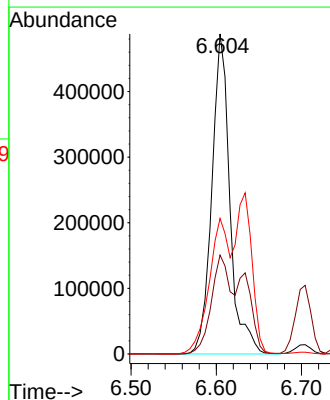
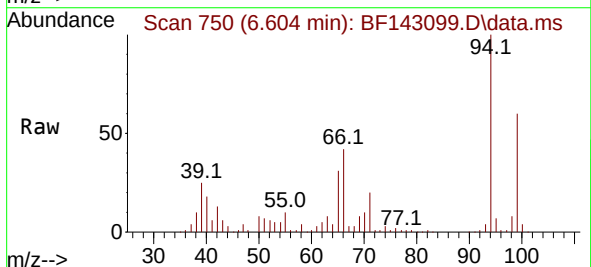
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

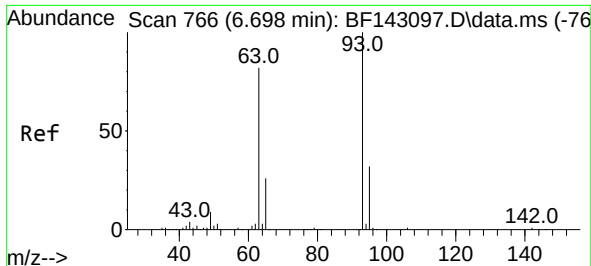
Tgt Ion: 77 Resp: 467499
Ion Ratio Lower Upper
77 100
105 95.1 76.3 116.3
106 92.7 72.8 112.8



#10
Phenol
Concen: 62.147 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 94 Resp: 716983
Ion Ratio Lower Upper
94 100
65 30.9 9.8 49.8
66 42.4 20.5 60.5

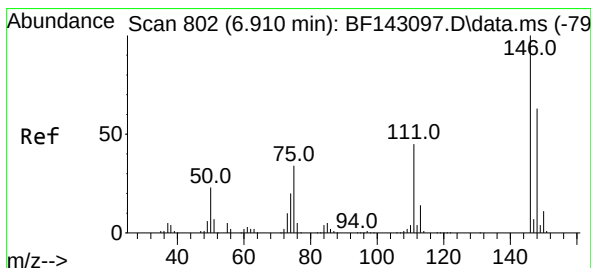
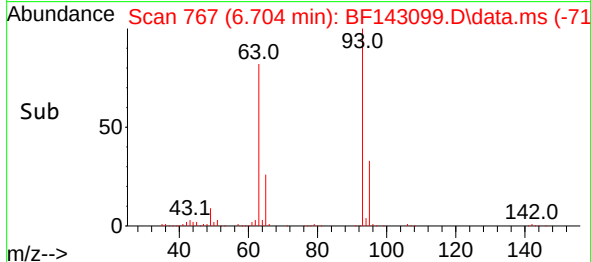
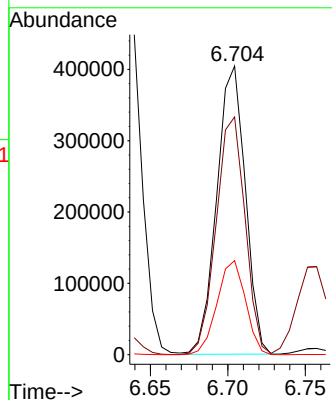
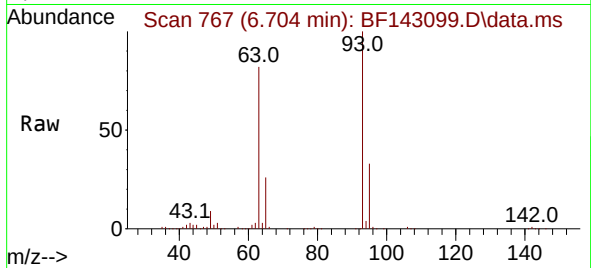




#11
bis(2-Chloroethyl)ether
Concen: 58.076 ng
RT: 6.704 min Scan# 70
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

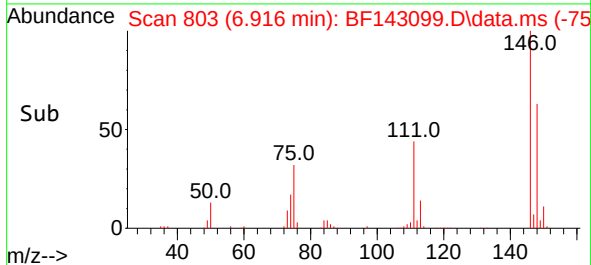
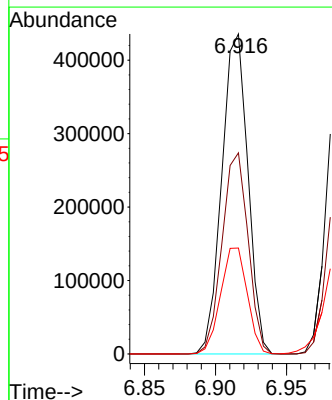
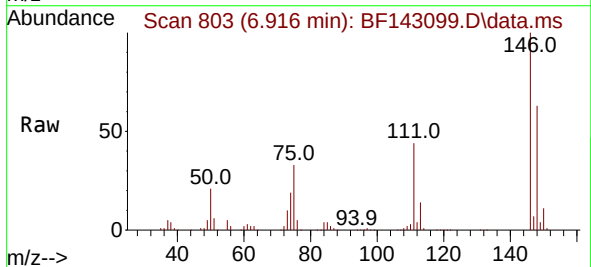
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

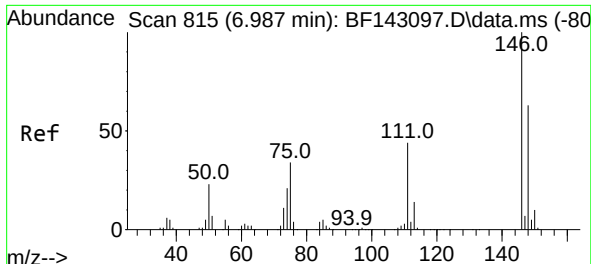
Tgt Ion: 93 Resp: 518695
Ion Ratio Lower Upper
93 100
63 82.4 61.9 101.9
95 32.6 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 57.965 ng
RT: 6.916 min Scan# 803
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:146 Resp: 557813
Ion Ratio Lower Upper
146 100
148 62.8 50.1 75.1
75 33.1 27.4 41.0

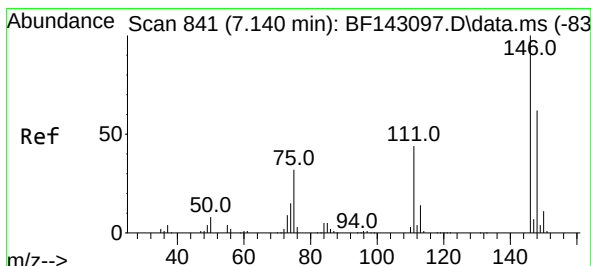
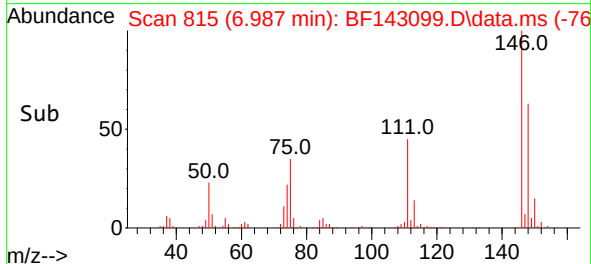
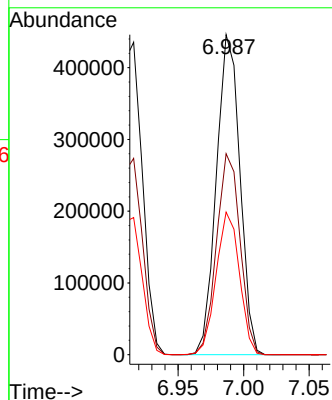
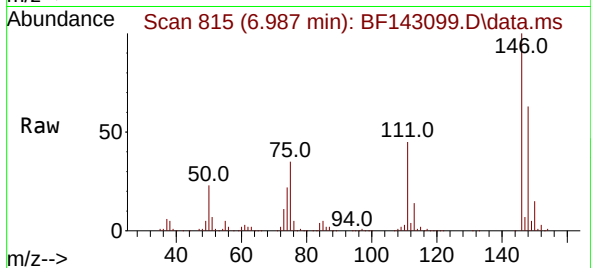




#13
1,4-Dichlorobenzene
Concen: 57.513 ng
RT: 6.987 min Scan# 815
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

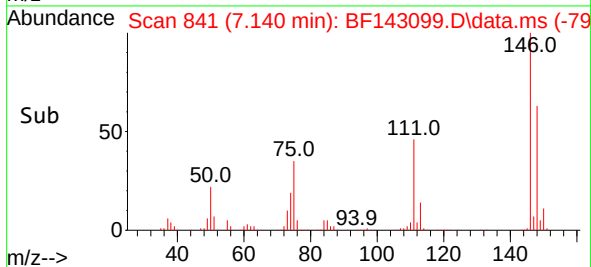
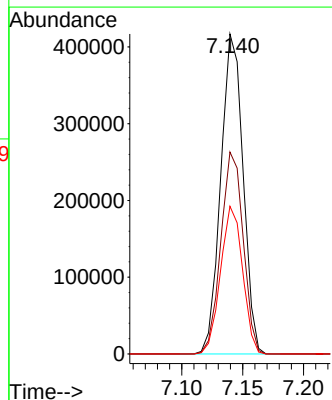
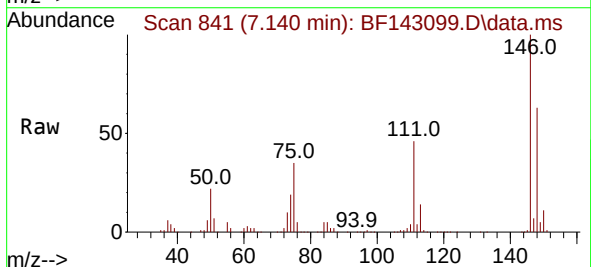
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

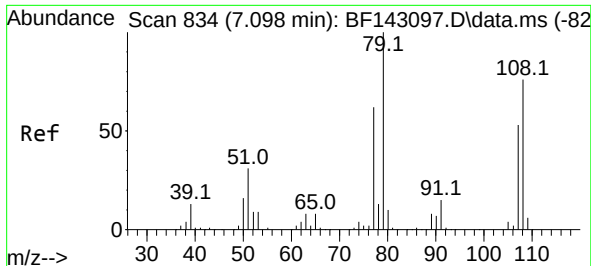
Tgt Ion:146 Resp: 556805
Ion Ratio Lower Upper
146 100
148 62.8 50.6 76.0
111 44.6 35.0 52.6



#14
1,2-Dichlorobenzene
Concen: 57.510 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:146 Resp: 530965
Ion Ratio Lower Upper
146 100
148 63.1 49.8 74.6
111 46.1 35.4 53.0

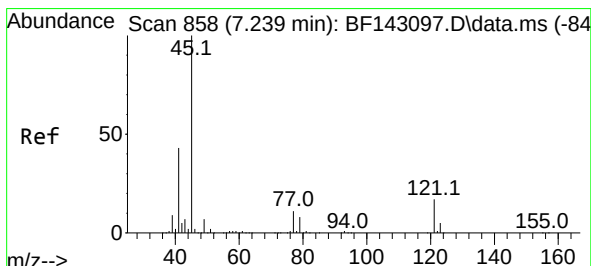
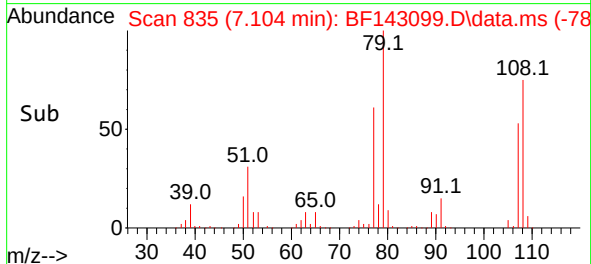
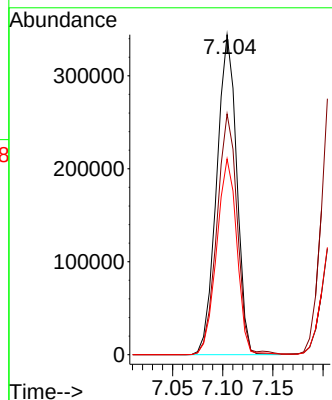
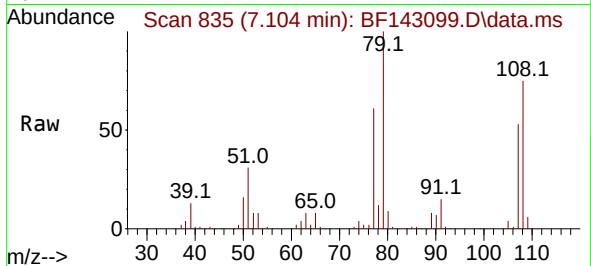




#15
Benzyl Alcohol
Concen: 60.505 ng
RT: 7.104 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

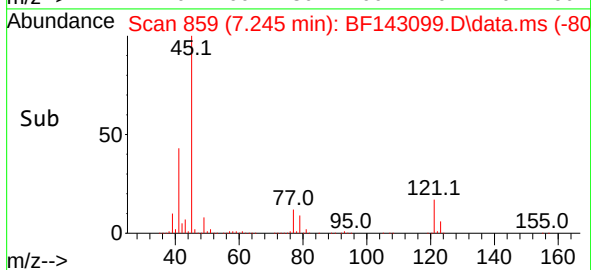
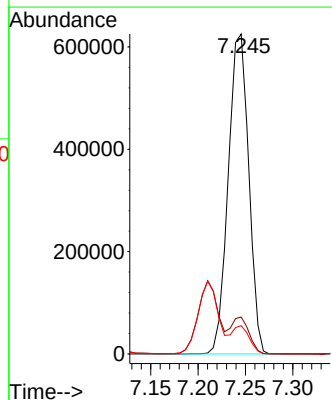
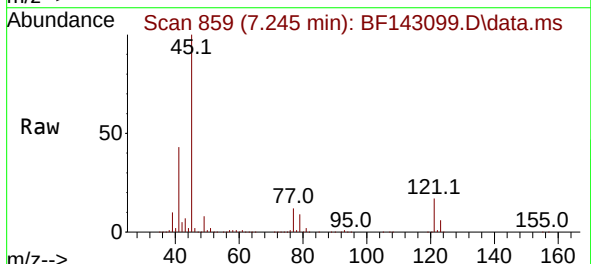
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

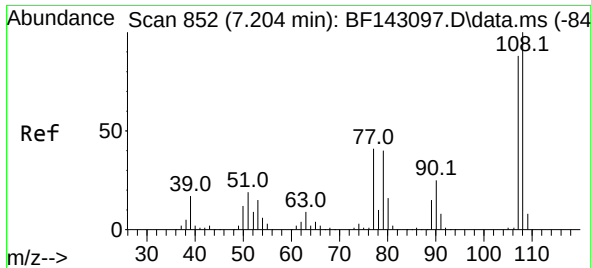
Tgt Ion: 79 Resp: 477773
Ion Ratio Lower Upper
79 100
108 75.3 61.1 91.7
77 61.2 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.157 ng
RT: 7.245 min Scan# 859
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 45 Resp: 941009
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.1
79 8.9 0.0 28.4

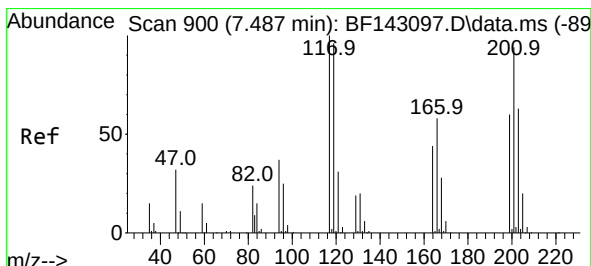
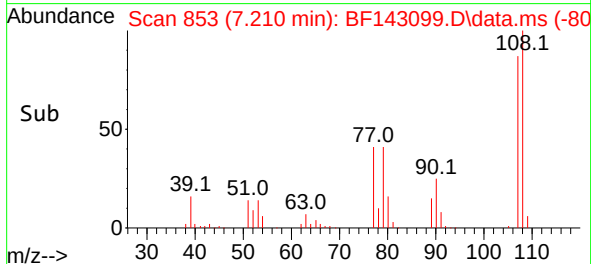
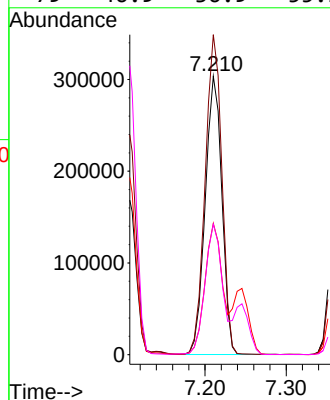
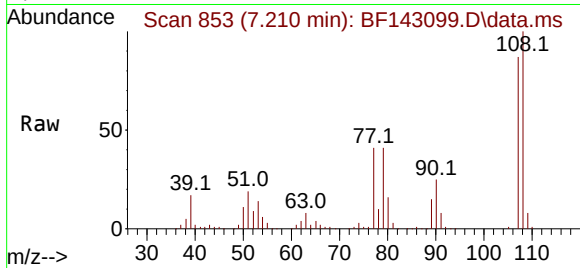




#17
2-Methylphenol
Concen: 58.876 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

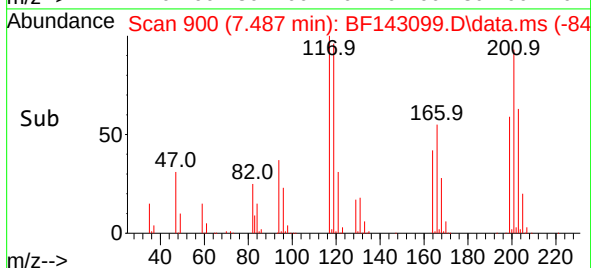
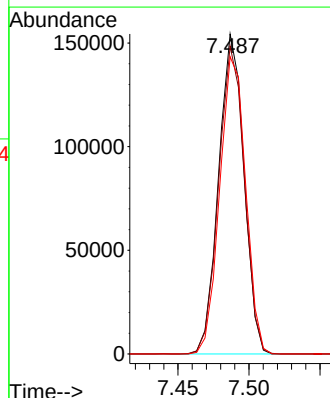
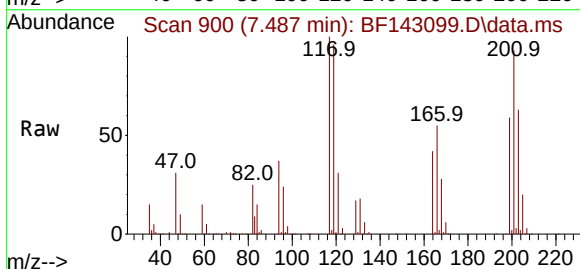
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

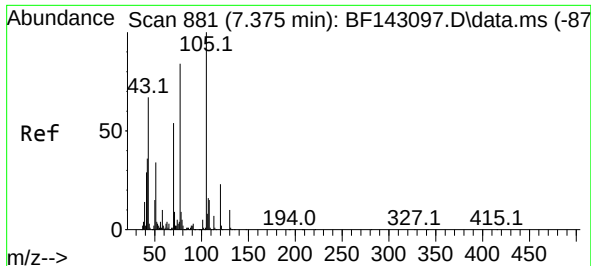
Tgt Ion:	107	Resp:	432787
Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.9	136.3
77	47.2	37.5	56.3
79	46.9	36.9	55.3



#18
Hexachloroethane
Concen: 60.747 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:	117	Resp:	191457
Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.7	115.1
201	92.9	75.0	112.4



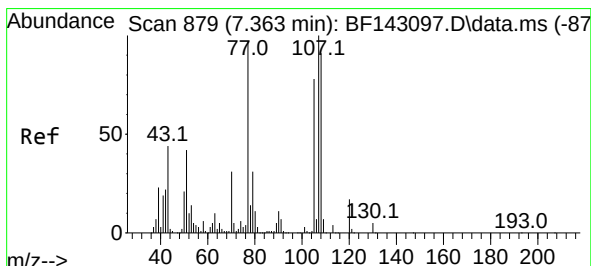
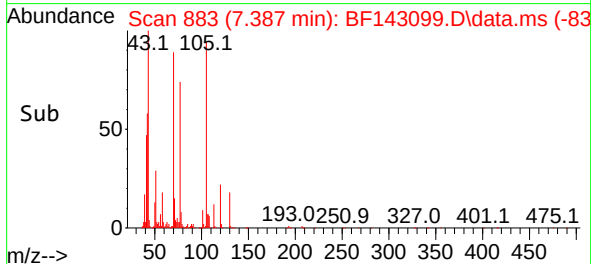
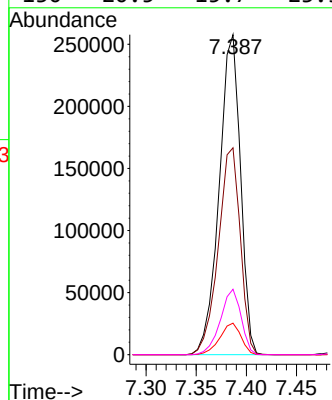
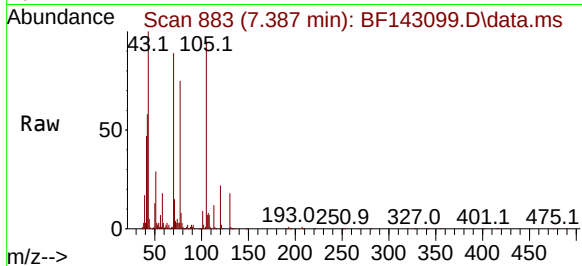


#19
n-Nitroso-di-n-propylamine
Concen: 58.184 ng
RT: 7.387 min Scan# 881
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 379882

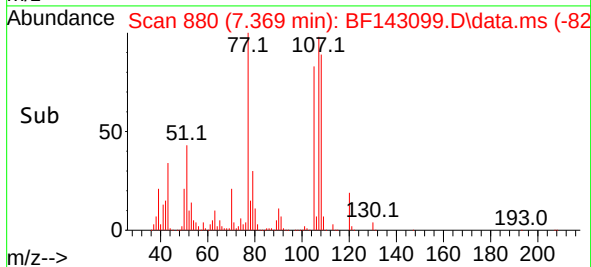
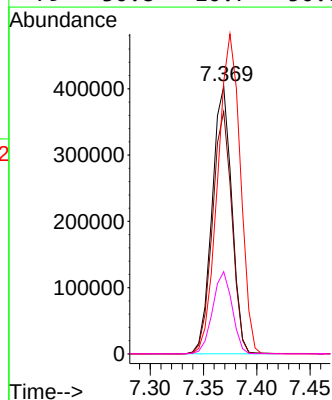
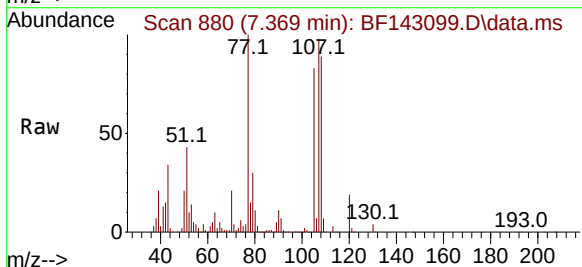
Ion	Ratio	Lower	Upper
70	100		
42	64.6	53.2	79.8
101	9.9	7.5	11.3
130	20.5	15.7	23.5

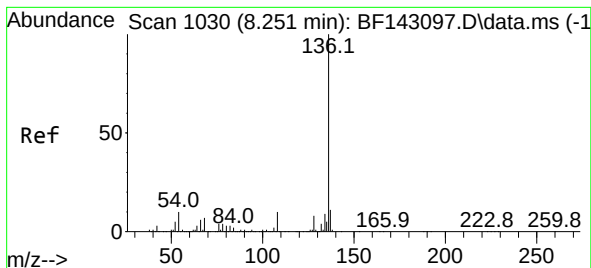


#20
3+4-Methylphenols
Concen: 57.645 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 107 Resp: 519658

Ion	Ratio	Lower	Upper
107	100		
108	90.6	71.3	111.3
77	101.8	77.2	117.2
79	30.8	10.7	50.7



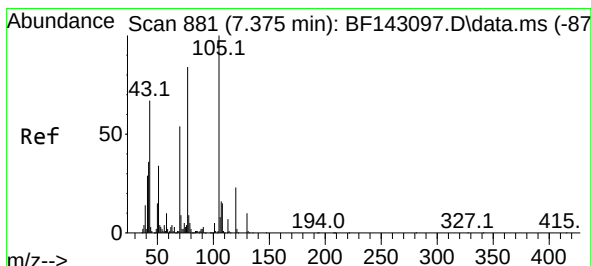
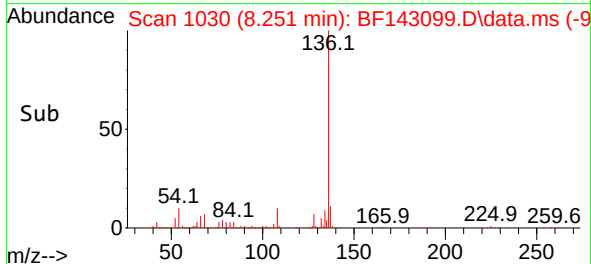
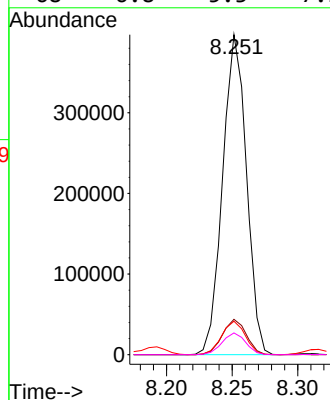
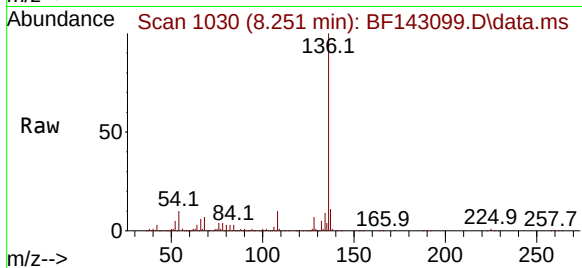


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 501735

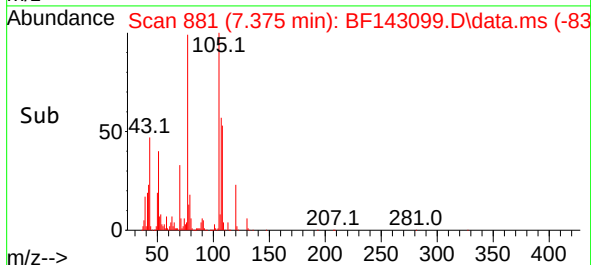
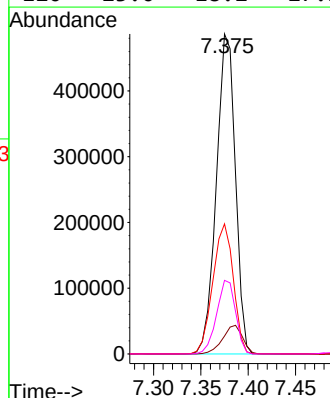
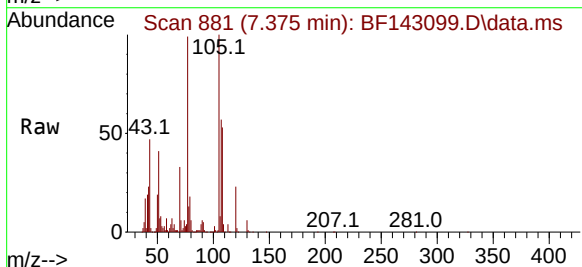
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.4	8.3	12.5
68	6.8	5.3	7.9

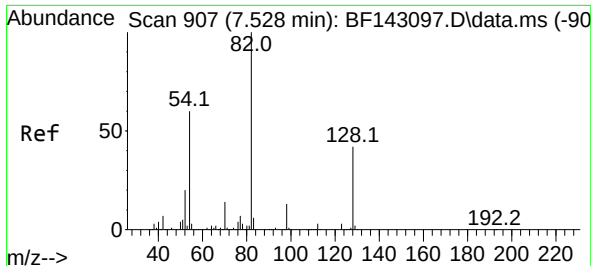


#22
Acetophenone
Concen: 56.141 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:105 Resp: 679007

Ion	Ratio	Lower	Upper
105	100		
71	5.6	7.2	10.8#
51	40.7	27.0	40.4#
120	23.0	18.2	27.2

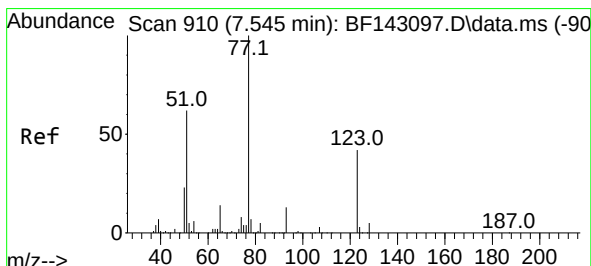
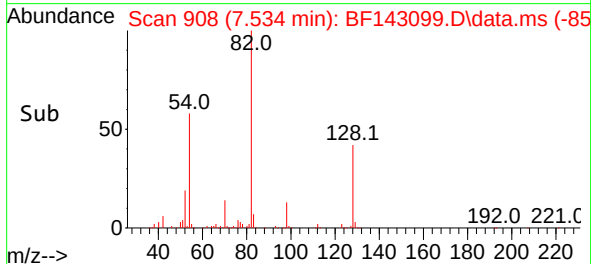
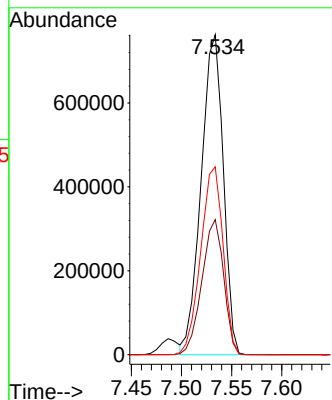
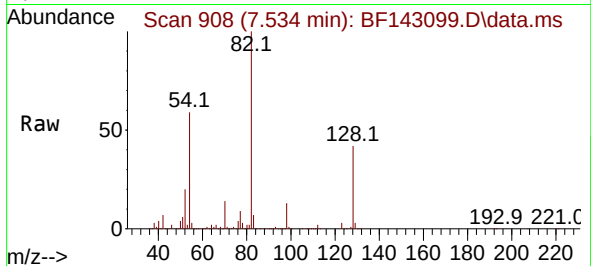




#23
Nitrobenzene-d5
Concen: 131.129 ng
RT: 7.534 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

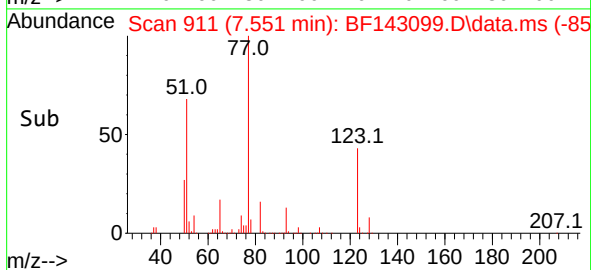
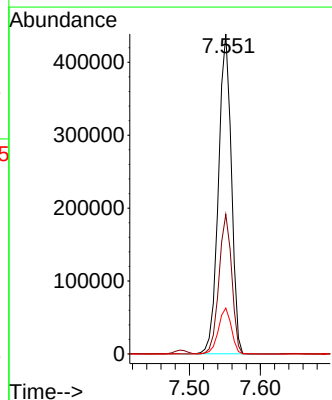
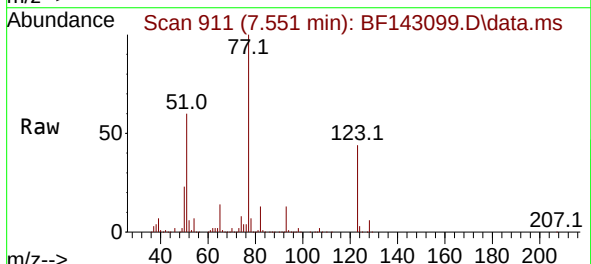
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

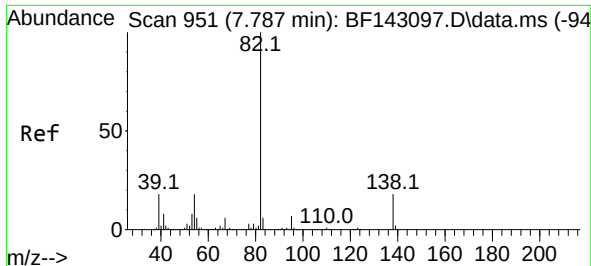
Tgt Ion: 82 Resp: 1172838
Ion Ratio Lower Upper
82 100
128 42.2 33.3 49.9
54 58.7 47.4 71.2



#24
Nitrobenzene
Concen: 63.778 ng
RT: 7.551 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 77 Resp: 550668
Ion Ratio Lower Upper
77 100
123 43.6 34.5 51.7
65 14.3 11.3 16.9

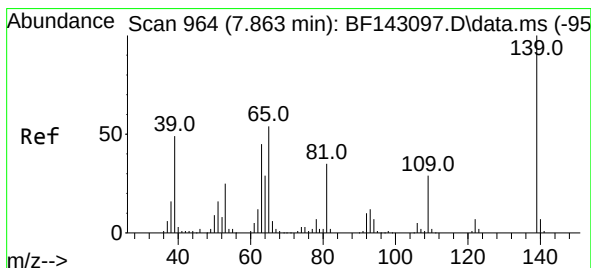
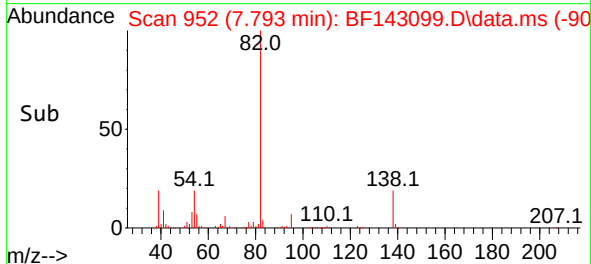
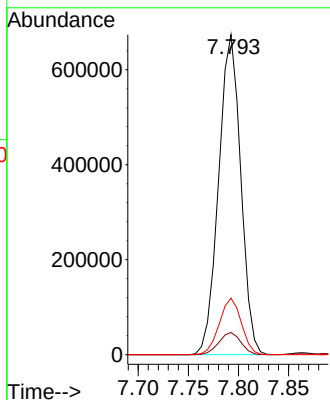
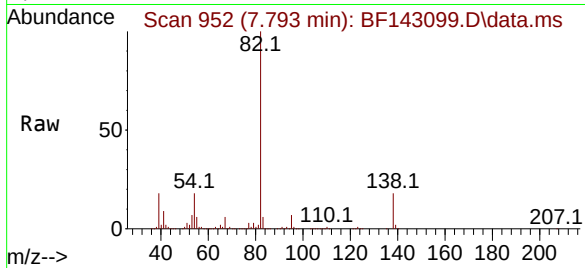




#25
Isophorone
Concen: 59.793 ng
RT: 7.793 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

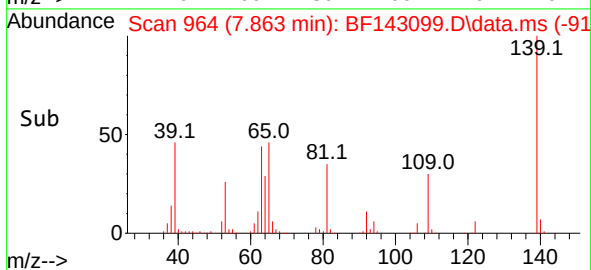
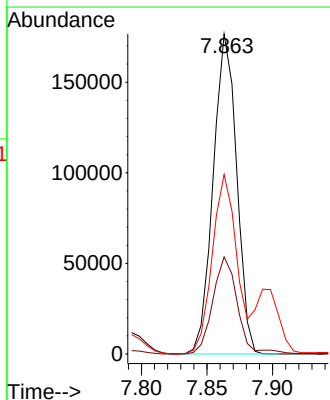
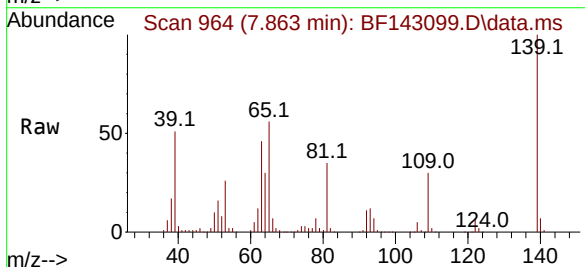
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

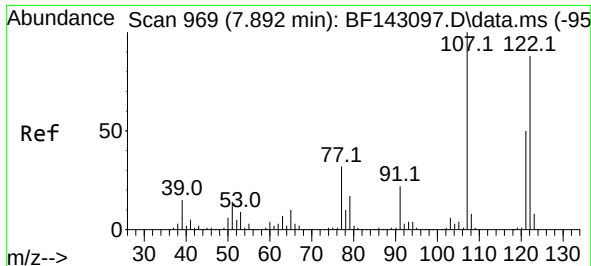
Tgt Ion: 82 Resp: 1033650
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 17.6 14.3 21.5



#26
2-Nitrophenol
Concen: 62.382 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:139 Resp: 219665
Ion Ratio Lower Upper
139 100
109 30.4 23.4 35.0
65 56.1 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 59.127 ng

RT: 7.898 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

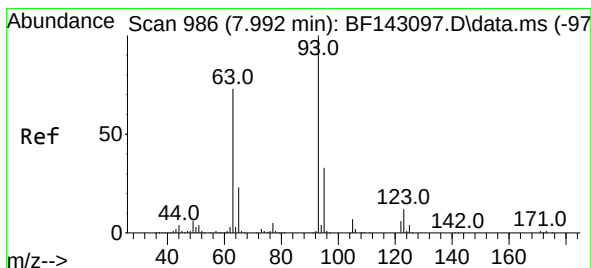
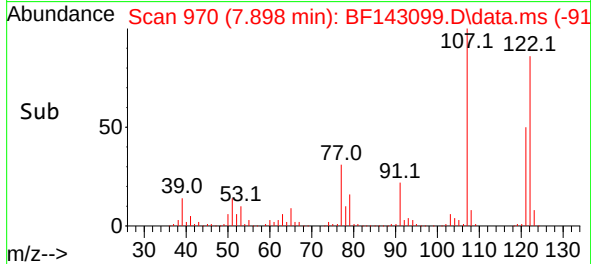
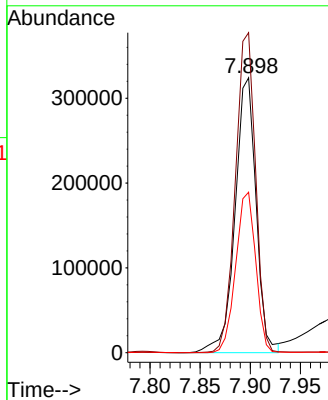
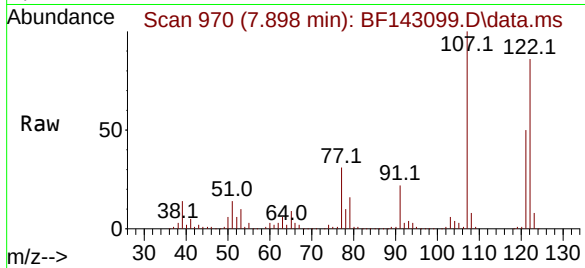
Tgt Ion:122 Resp: 474411

Ion Ratio Lower Upper

122 100

107 116.4 91.3 136.9

121 58.4 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 58.029 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

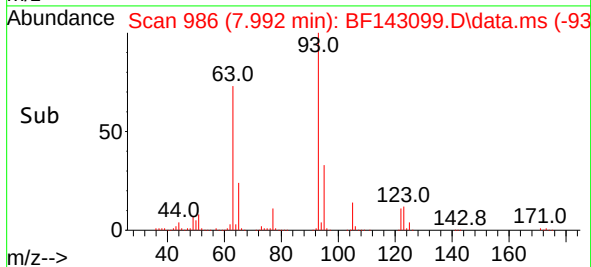
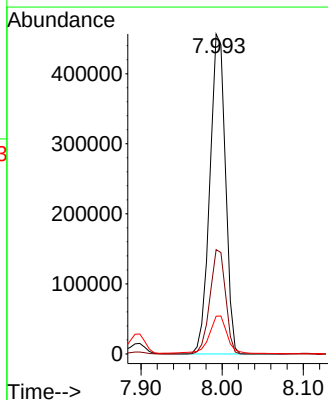
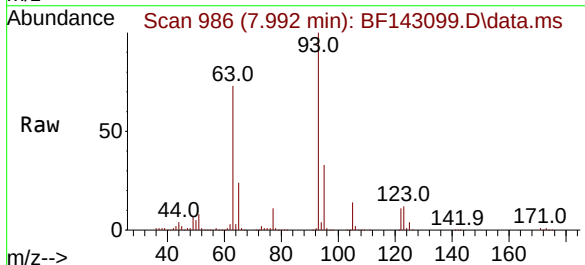
Tgt Ion: 93 Resp: 608314

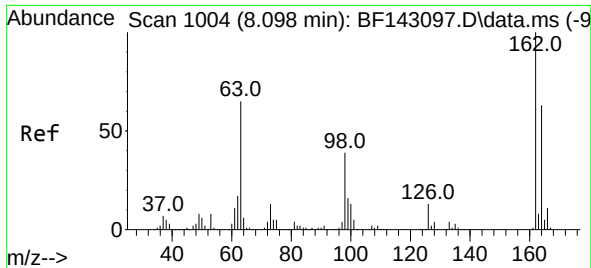
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

123 11.8 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 62.256 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

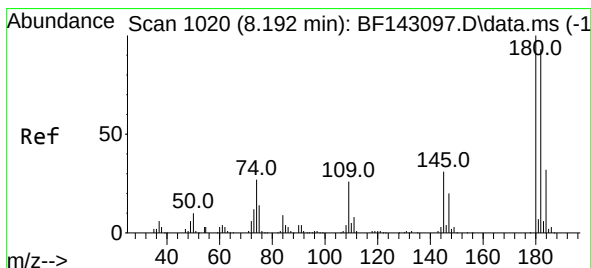
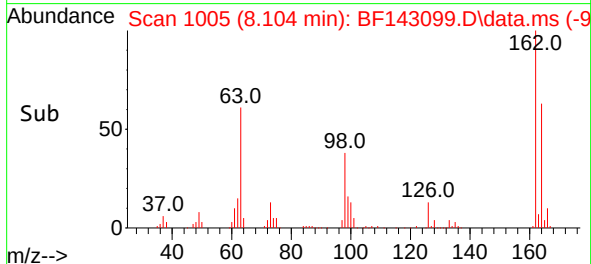
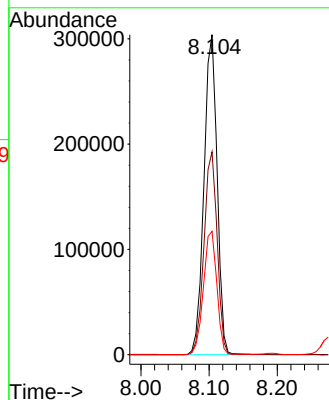
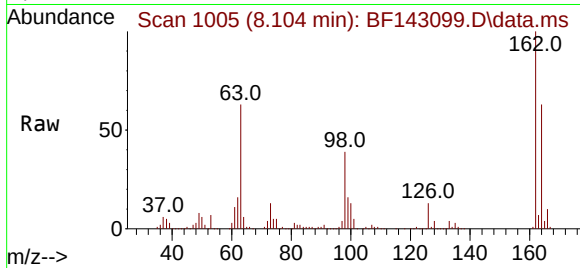
Tgt Ion:162 Resp: 408655

Ion Ratio Lower Upper

162 100

164 63.4 43.1 83.1

98 38.5 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 57.913 ng

RT: 8.192 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

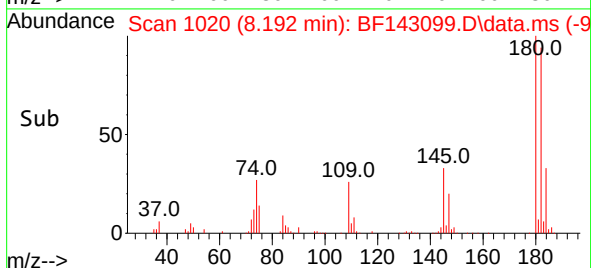
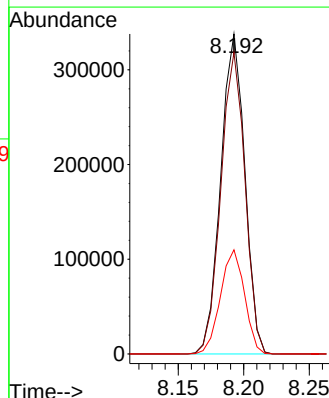
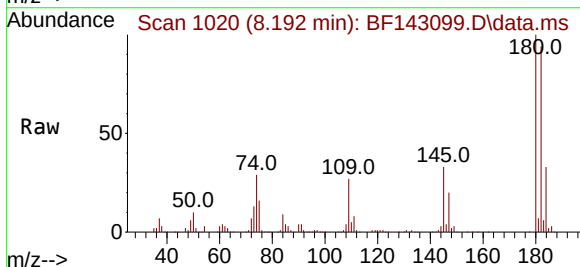
Tgt Ion:180 Resp: 431427

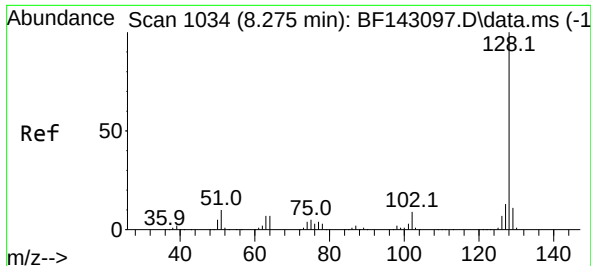
Ion Ratio Lower Upper

180 100

182 94.3 74.7 112.1

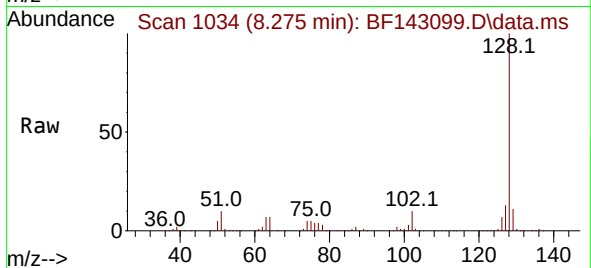
145 32.6 24.5 36.7



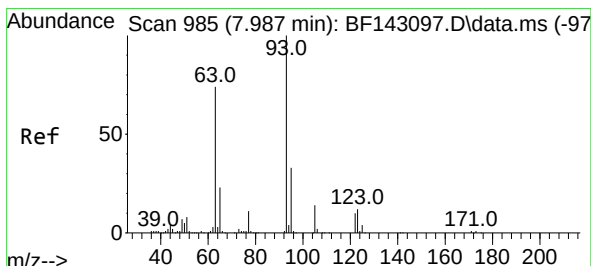
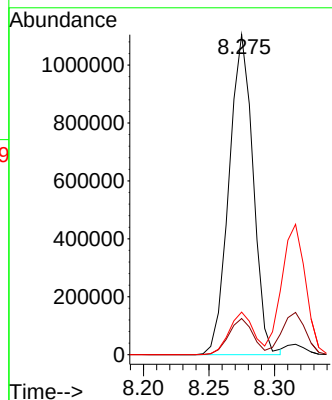
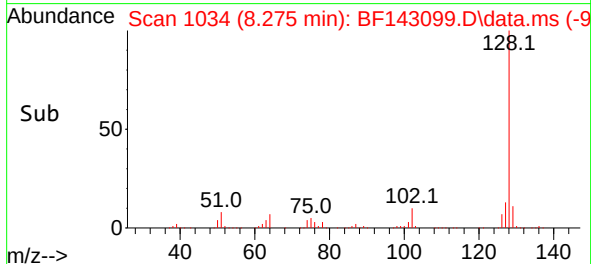


#31
Naphthalene
Concen: 56.612 ng
RT: 8.275 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

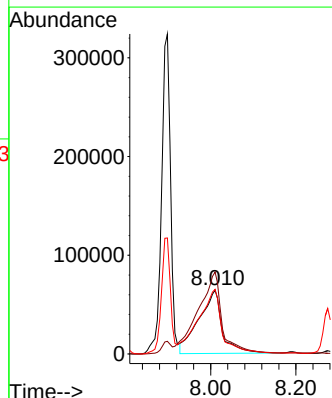
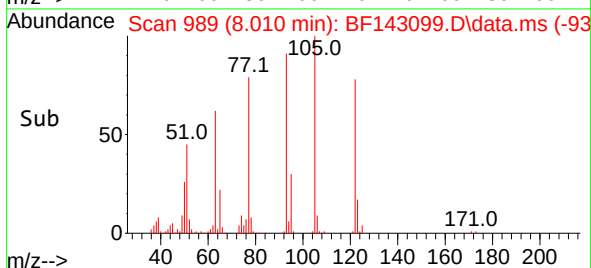
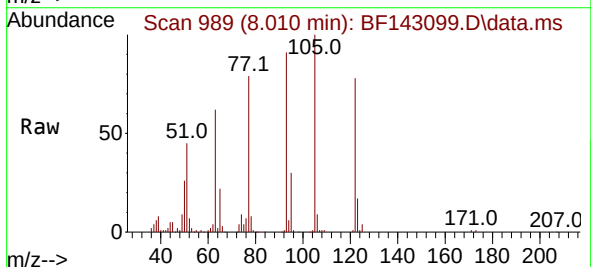


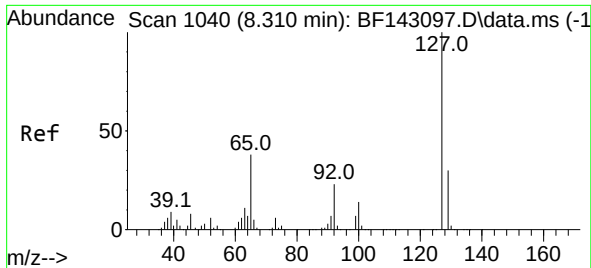
Tgt Ion:128 Resp: 1410509
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.3 10.5 15.7



#32
Benzoic acid
Concen: 59.376 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.023 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:122 Resp: 244396
Ion Ratio Lower Upper
122 100
105 128.8 105.4 145.4
77 101.6 78.6 118.6

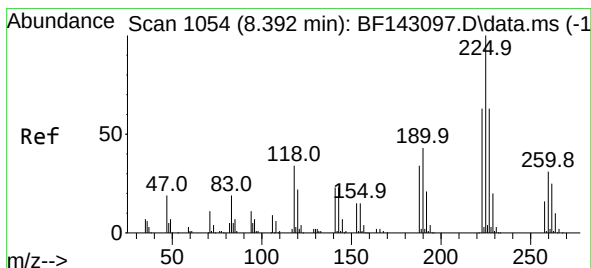
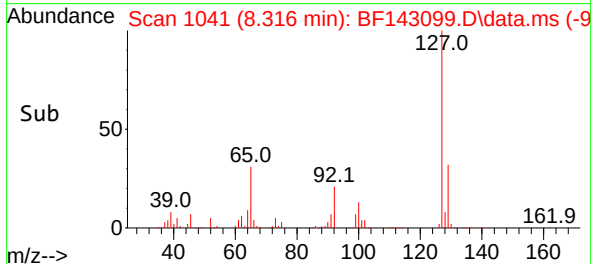
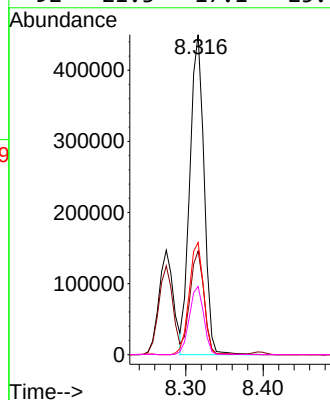
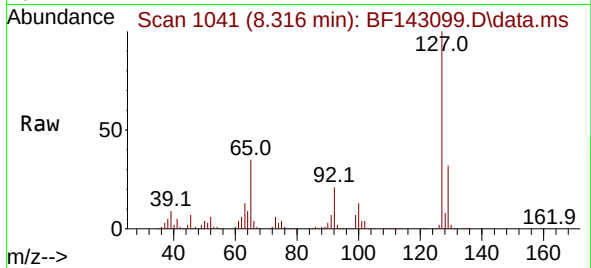




#33
4-Chloroaniline
Concen: 57.309 ng
RT: 8.316 min Scan# 1041
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

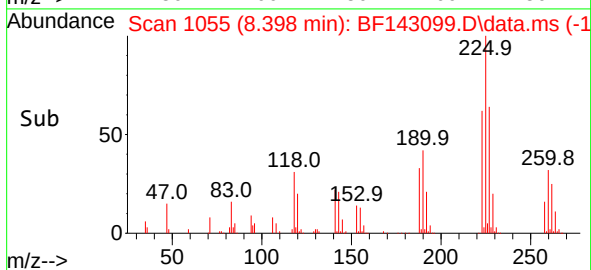
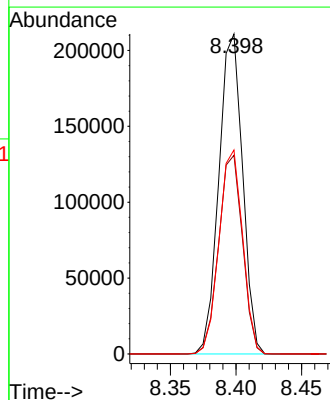
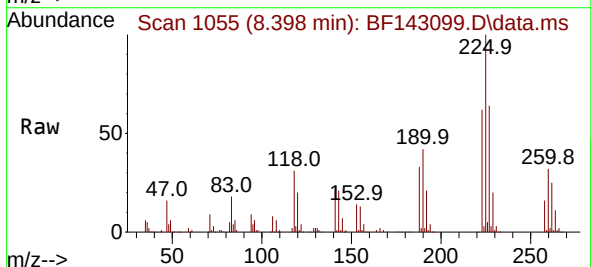
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

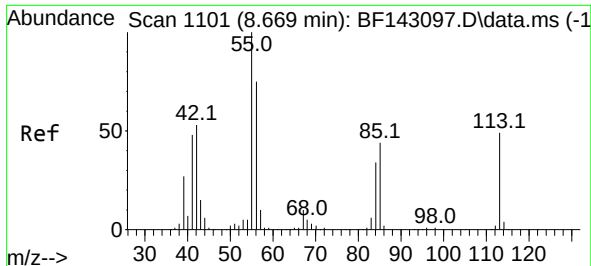
Tgt Ion:	127	Resp:	574196
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.2	39.4
65	35.1	28.6	42.8
92	21.3	17.1	25.7



#34
Hexachlorobutadiene
Concen: 59.499 ng
RT: 8.398 min Scan# 1055
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:	225	Resp:	265081
Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.3	75.5
227	63.7	50.1	75.1

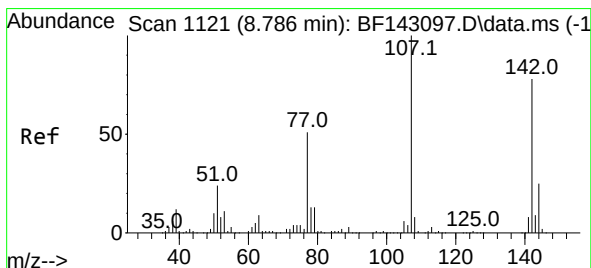
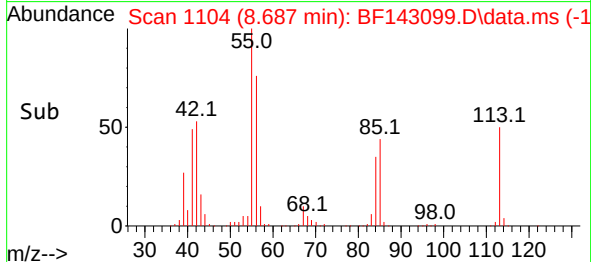
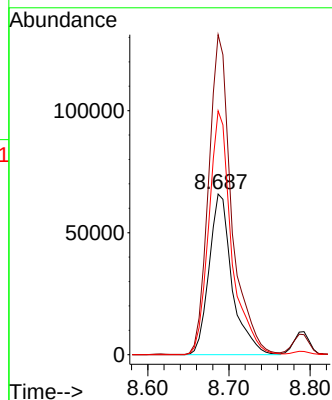
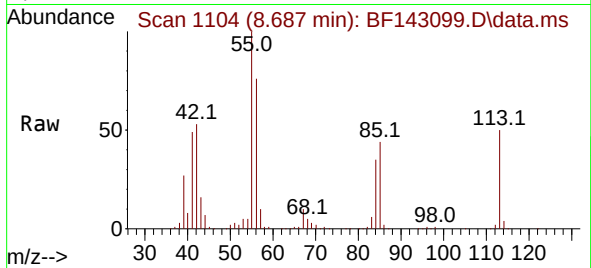




#35
 Caprolactam
 Concen: 63.219 ng
 RT: 8.687 min Scan# 1104
 Delta R.T. 0.018 min
 Lab File: BF143099.D
 Acq: 15 Jul 2025 16:05

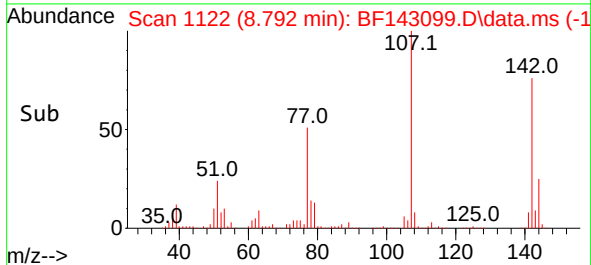
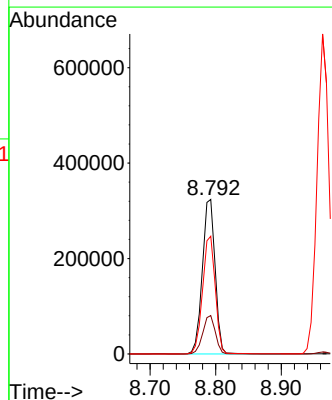
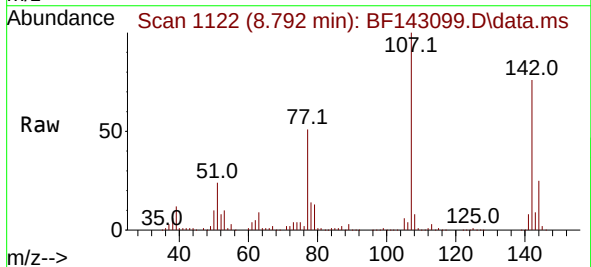
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

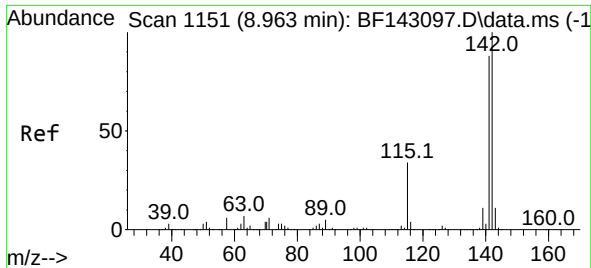
Tgt Ion:113 Resp: 129583
 Ion Ratio Lower Upper
 113 100
 55 199.1 186.2 226.2
 56 151.7 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 60.299 ng
 RT: 8.792 min Scan# 1122
 Delta R.T. 0.006 min
 Lab File: BF143099.D
 Acq: 15 Jul 2025 16:05

Tgt Ion:107 Resp: 440907
 Ion Ratio Lower Upper
 107 100
 144 24.9 20.2 30.2
 142 76.3 62.4 93.6





#37

2-Methylnaphthalene

Concen: 56.930 ng

RT: 8.963 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

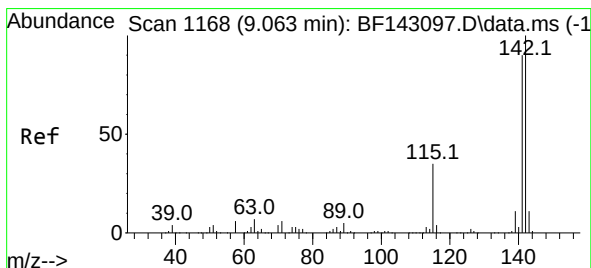
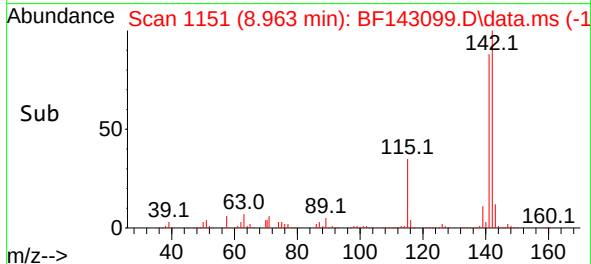
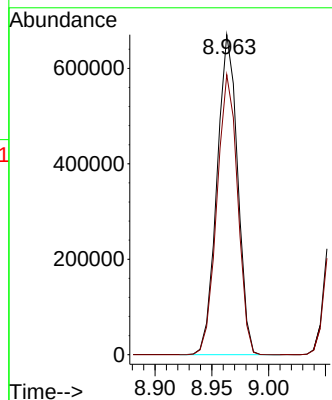
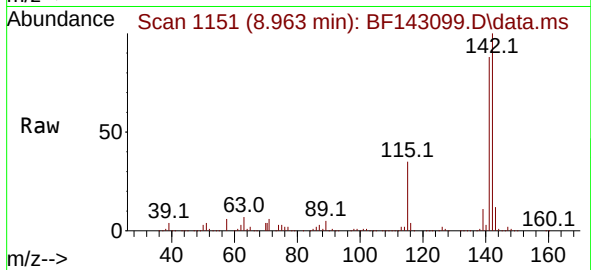
SSTDICC060

Tgt Ion:142 Resp: 846190

Ion Ratio Lower Upper

142 100

141 87.5 70.2 105.2



#38

1-Methylnaphthalene

Concen: 56.399 ng

RT: 9.063 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BF143099.D

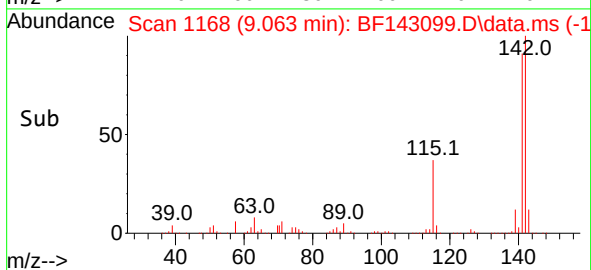
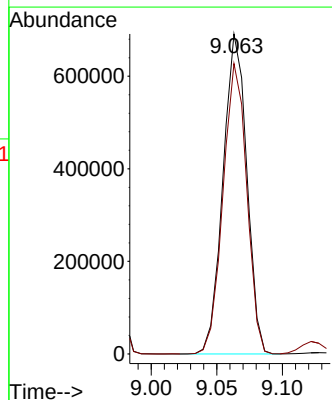
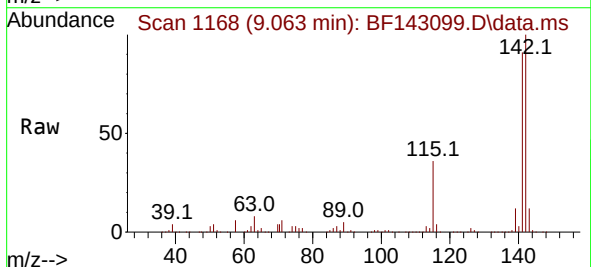
Acq: 15 Jul 2025 16:05

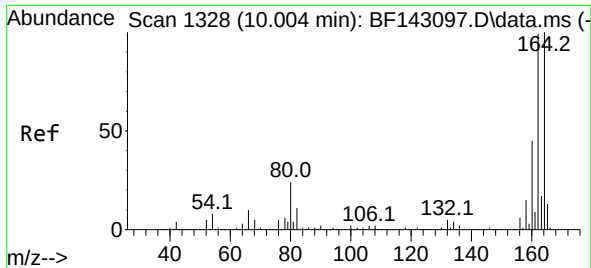
Tgt Ion:142 Resp: 869460

Ion Ratio Lower Upper

142 100

141 90.7 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

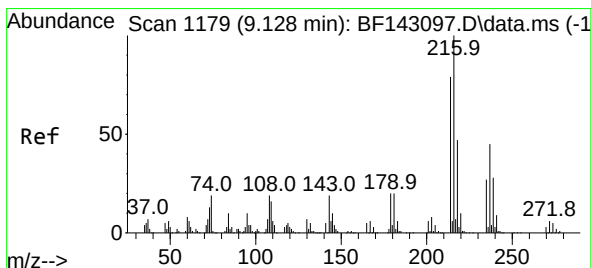
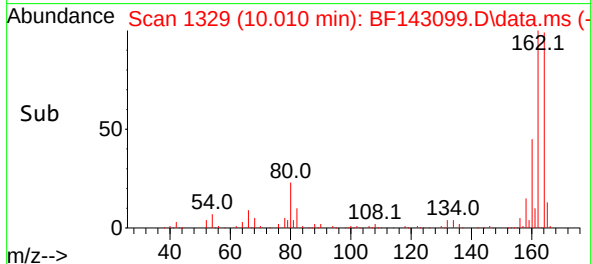
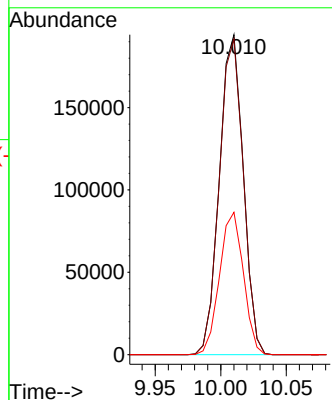
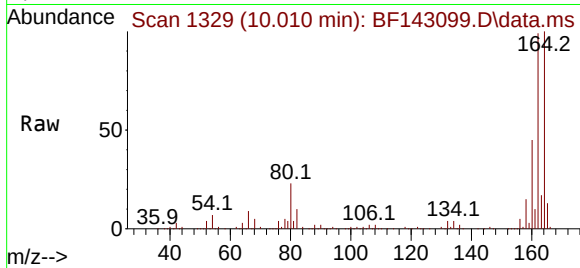
Tgt Ion:164 Resp: 246002

Ion Ratio Lower Upper

164 100

162 98.6 79.0 118.6

160 44.5 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.762 ng

RT: 9.134 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Tgt Ion:216 Resp: 414099

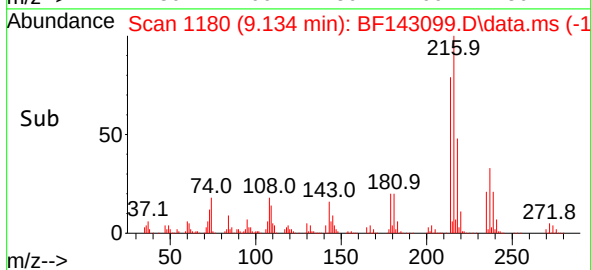
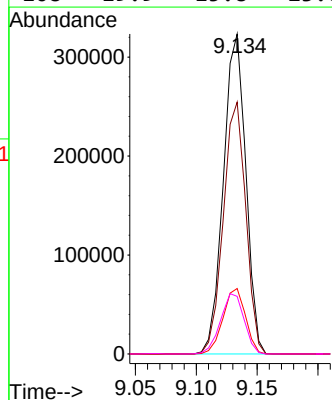
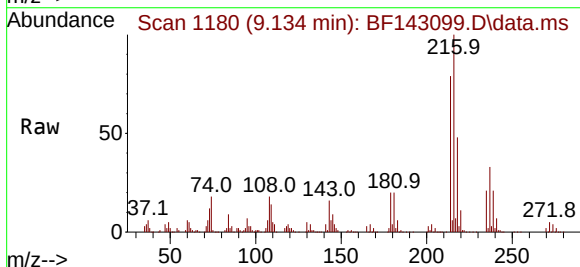
Ion Ratio Lower Upper

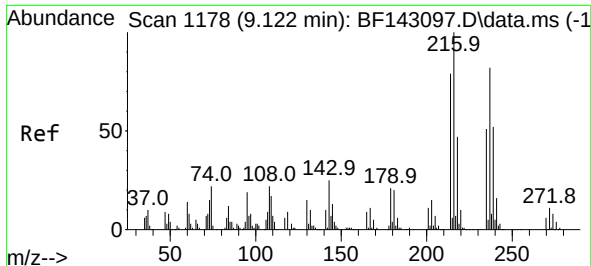
216 100

214 78.8 62.6 94.0

179 20.6 16.2 24.2

108 19.9 15.8 23.6

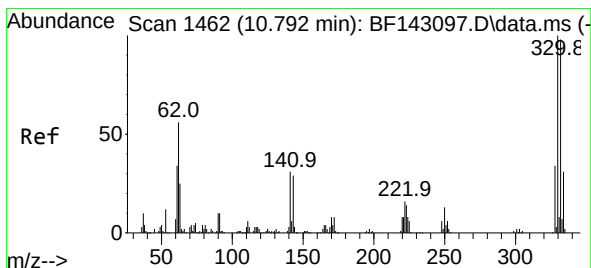
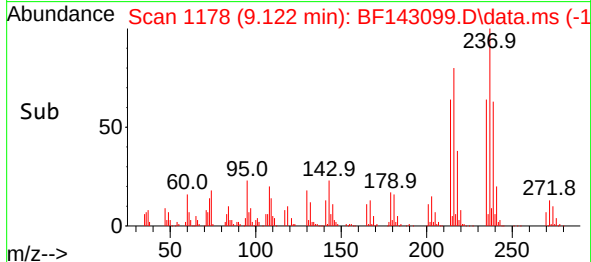
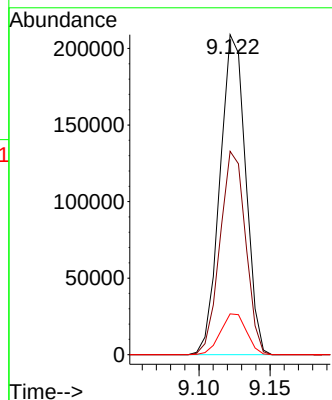
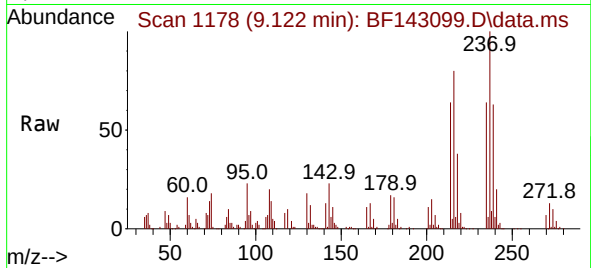




#41
Hexachlorocyclopentadiene
Concen: 66.101 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

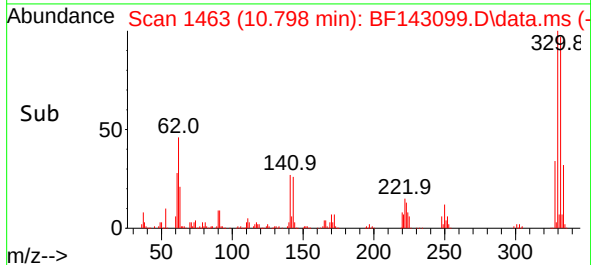
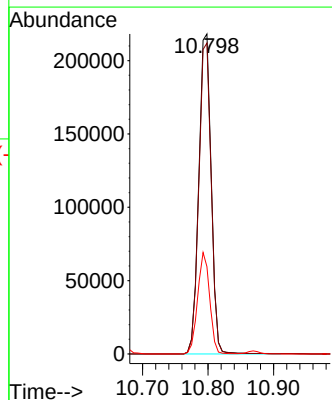
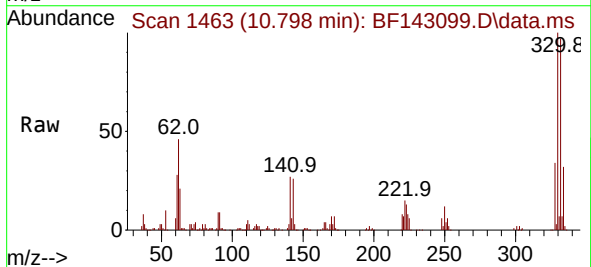
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

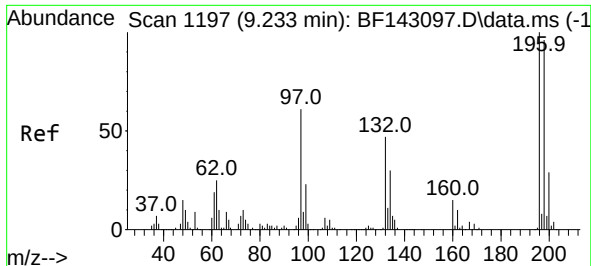
Tgt Ion:237 Resp: 262731
Ion Ratio Lower Upper
237 100
235 63.5 41.6 81.6
272 12.8 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 130.765 ng
RT: 10.798 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:330 Resp: 286830
Ion Ratio Lower Upper
330 100
332 97.0 77.9 116.9
141 30.8 25.9 38.9

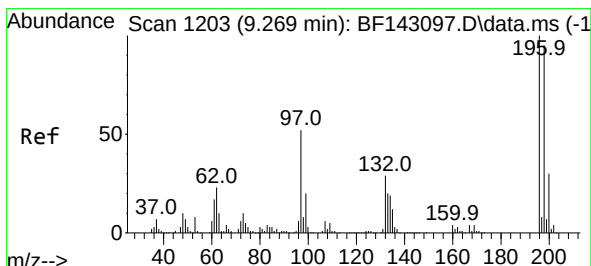
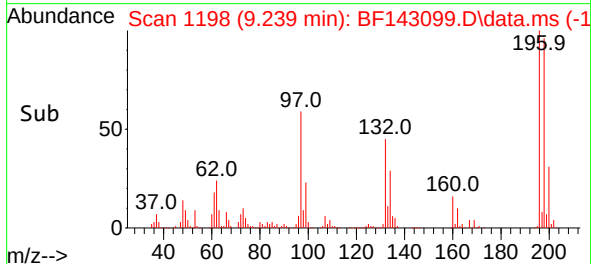
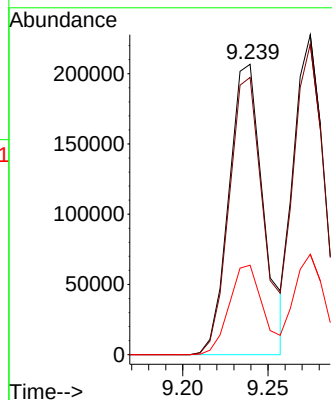
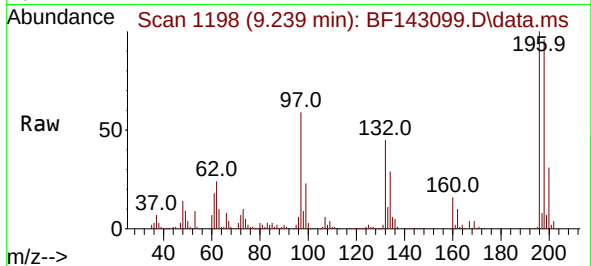




#43
2,4,6-Trichlorophenol
Concen: 65.157 ng
RT: 9.239 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

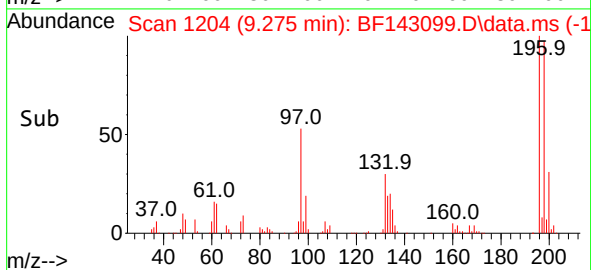
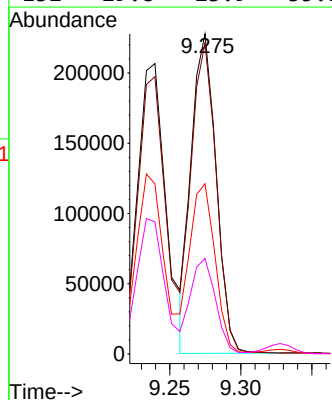
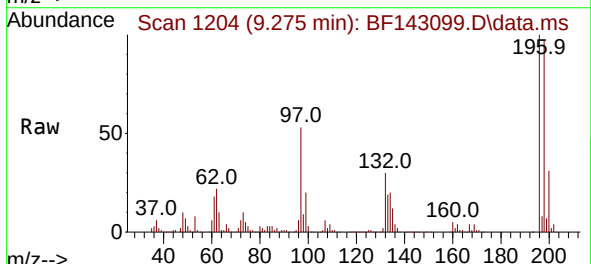
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

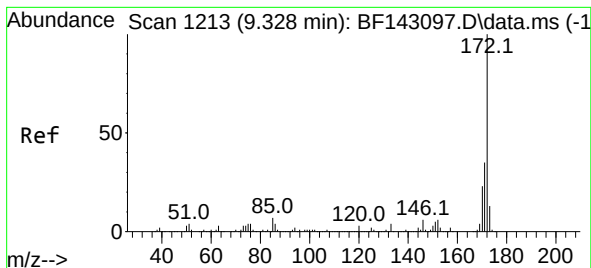
Tgt Ion:196 Resp: 290245
Ion Ratio Lower Upper
196 100
198 95.5 76.9 115.3
200 30.8 23.5 35.3



#44
2,4,5-Trichlorophenol
Concen: 59.502 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:196 Resp: 277922
Ion Ratio Lower Upper
196 100
198 97.1 76.4 114.6
97 53.2 42.4 63.6
132 29.8 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 108.050 ng

RT: 9.328 min Scan# 1213

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

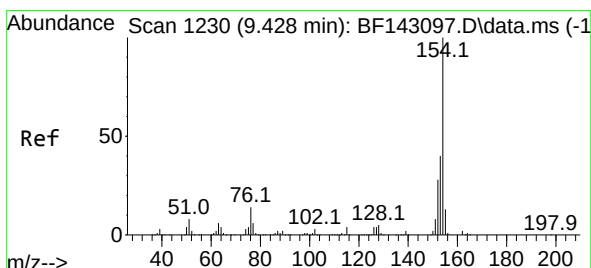
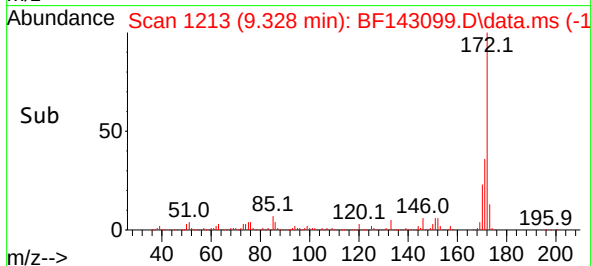
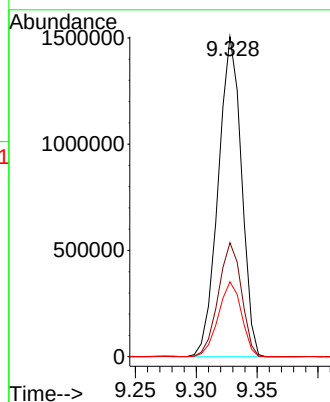
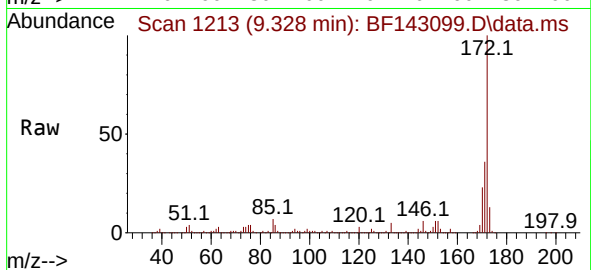
Tgt Ion:172 Resp: 1999612

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

170 23.4 18.6 28.0



#46

1,1'-Biphenyl

Concen: 56.274 ng

RT: 9.428 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

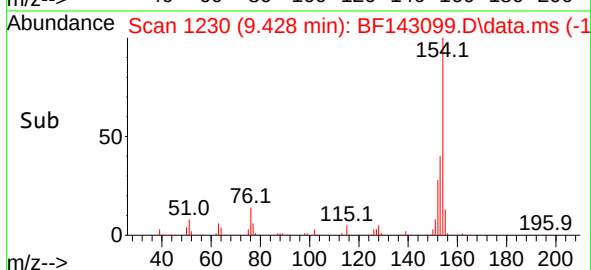
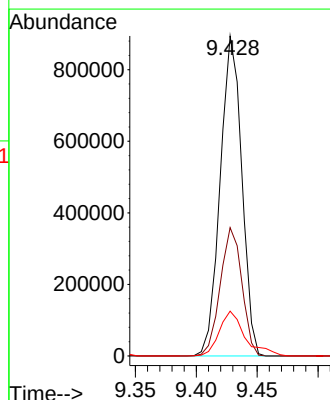
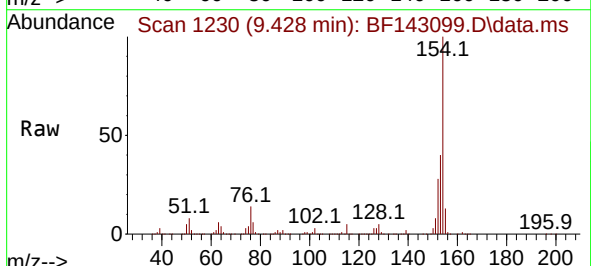
Tgt Ion:154 Resp: 1103990

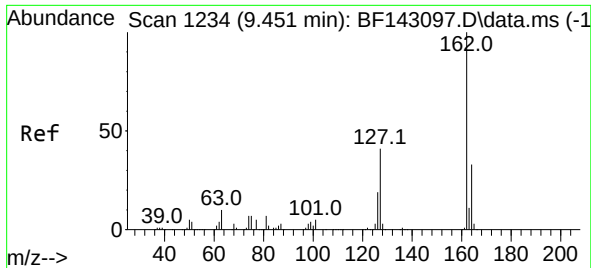
Ion Ratio Lower Upper

154 100

153 40.1 20.1 60.1

76 14.0 0.0 33.7

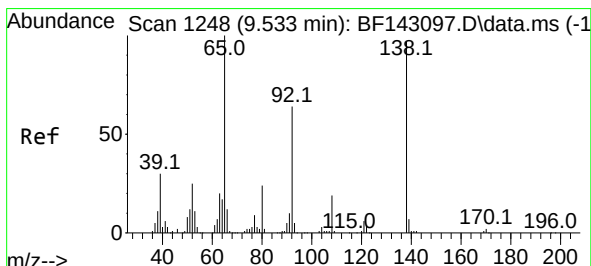
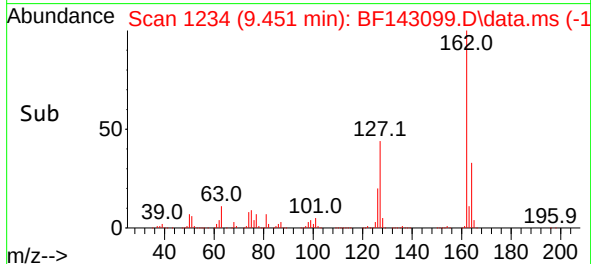
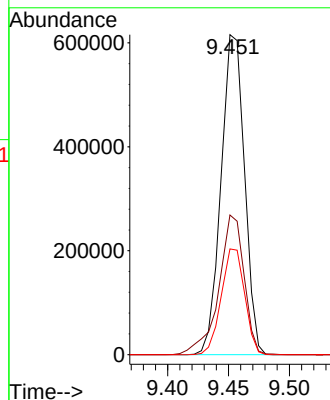
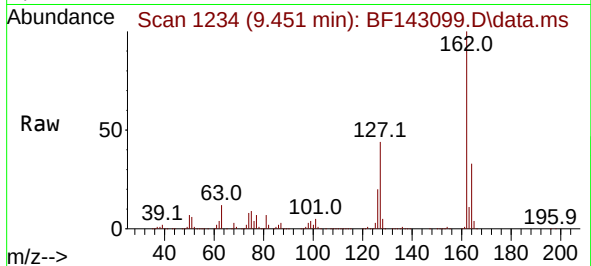




#47
2-Chloronaphthalene
Concen: 57.350 ng
RT: 9.451 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

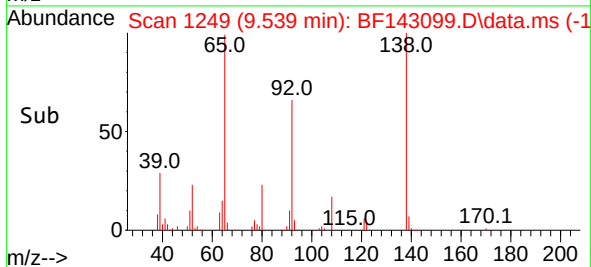
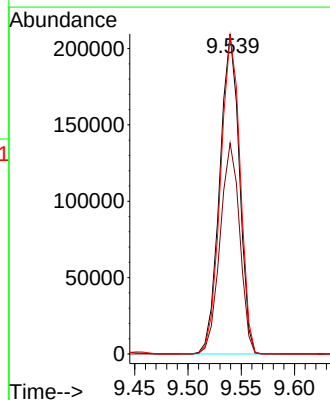
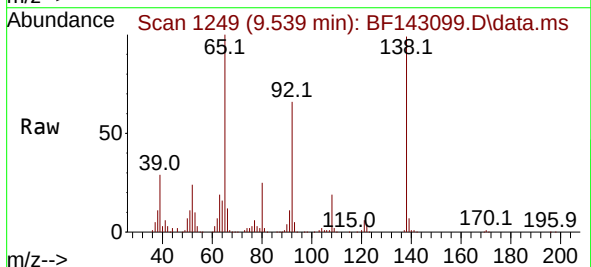
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

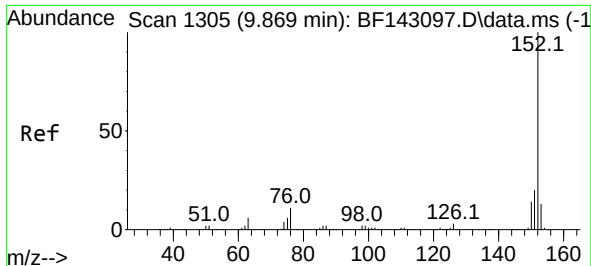
Tgt Ion:162 Resp: 826528
Ion Ratio Lower Upper
162 100
127 43.7 33.0 49.6
164 33.0 26.1 39.1



#48
2-Nitroaniline
Concen: 61.259 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 65 Resp: 267636
Ion Ratio Lower Upper
65 100
92 65.9 51.3 76.9
138 99.5 77.8 116.6

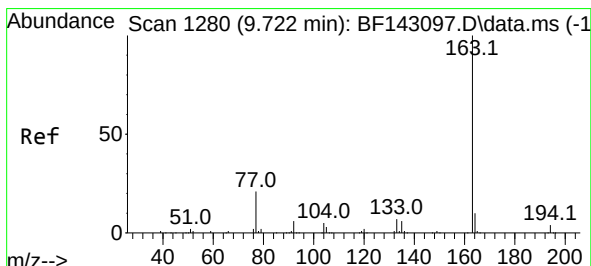
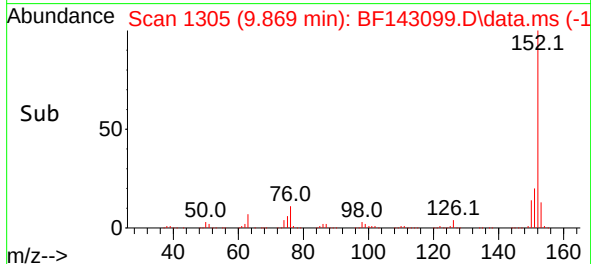
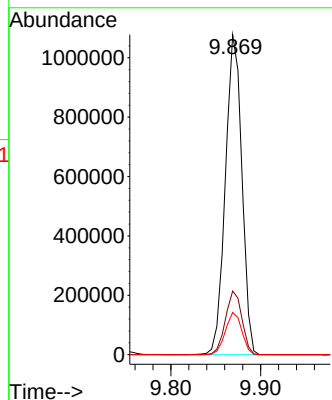
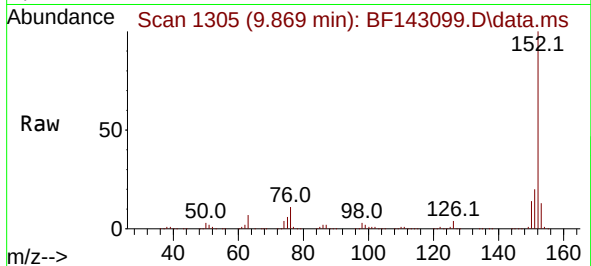




#49
Acenaphthylene
Concen: 57.388 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

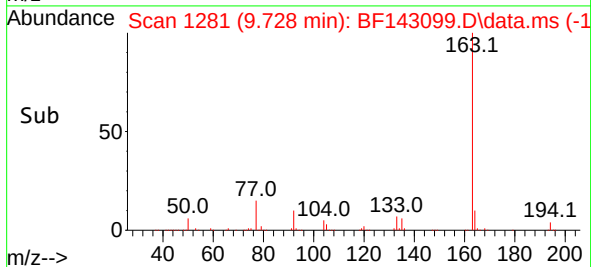
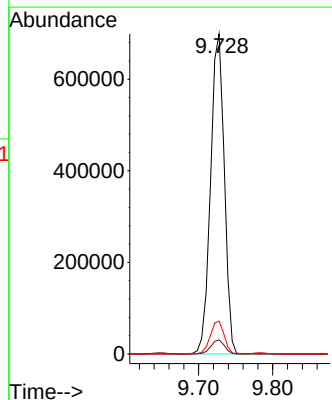
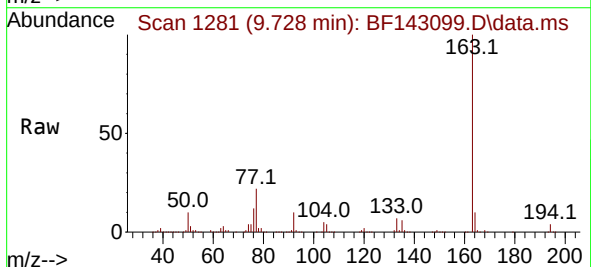
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

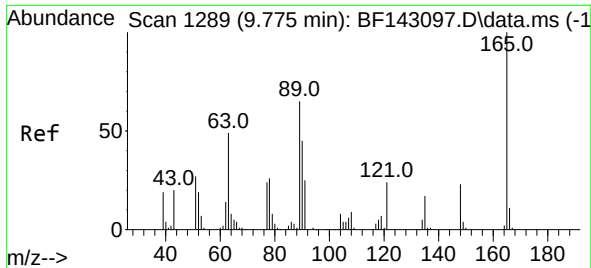
Tgt Ion:152 Resp: 1378196
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 13.2 10.4 15.6



#50
Dimethylphthalate
Concen: 58.118 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:163 Resp: 899456
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.3 8.2 12.2

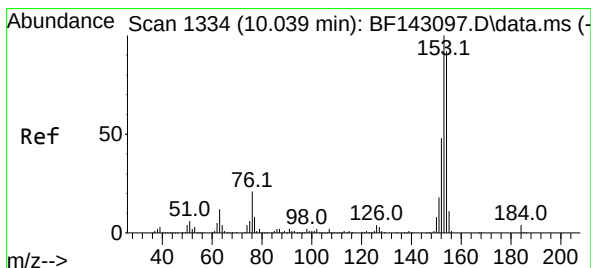
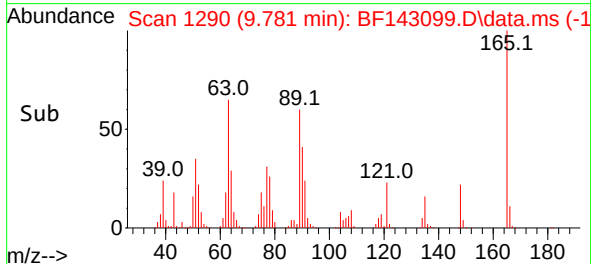
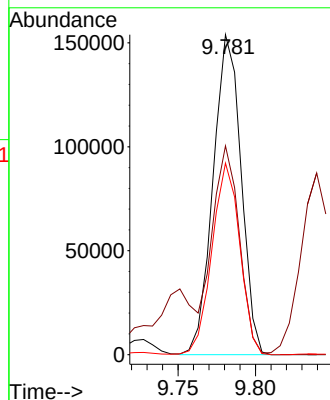
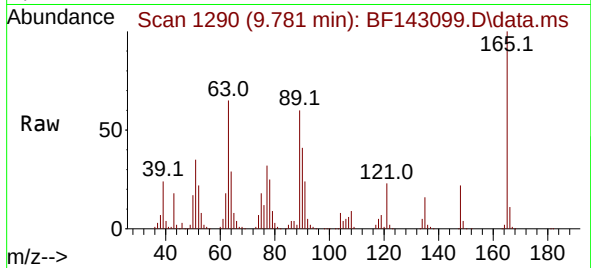




#51
2,6-Dinitrotoluene
Concen: 62.287 ng
RT: 9.781 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

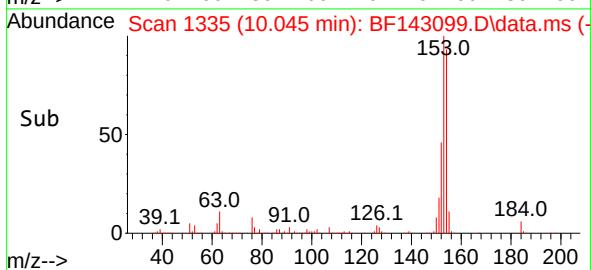
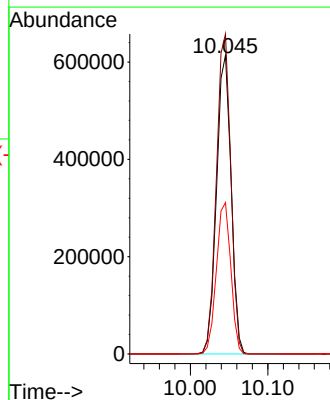
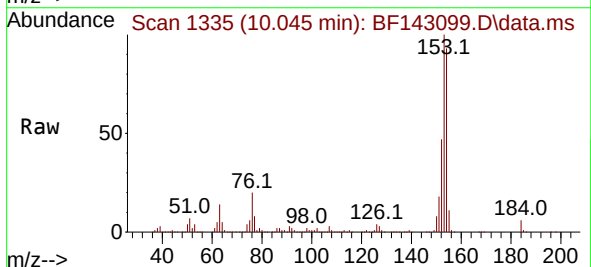
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

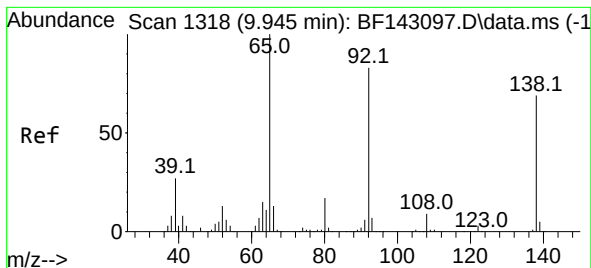
Tgt Ion:165 Resp: 193185
Ion Ratio Lower Upper
165 100
63 65.2 57.4 86.0
89 59.9 51.8 77.8



#52
Acenaphthene
Concen: 56.633 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:154 Resp: 802583
Ion Ratio Lower Upper
154 100
153 107.1 86.7 130.1
152 50.6 41.4 62.2





#53

3-Nitroaniline

Concen: 69.008 ng

RT: 9.951 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

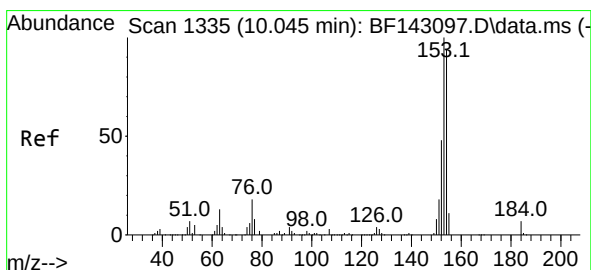
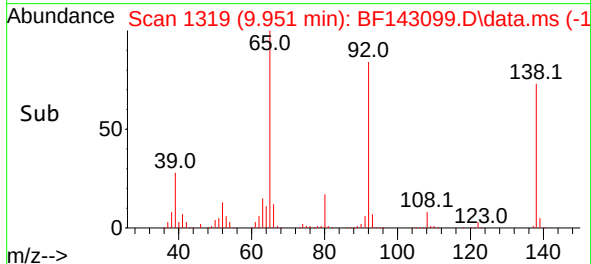
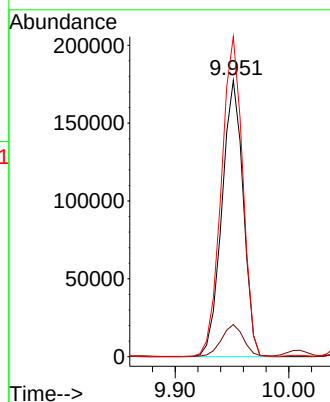
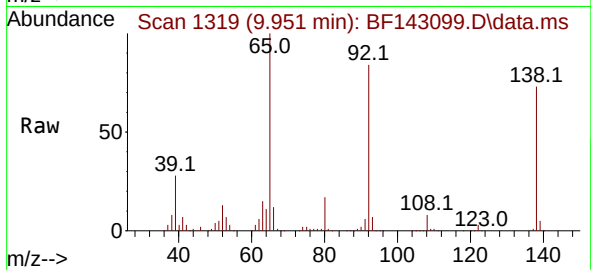
Tgt Ion:138 Resp: 230773

Ion Ratio Lower Upper

138 100

108 11.6 10.1 15.1

92 115.8 96.4 144.6



#54

2,4-Dinitrophenol

Concen: 61.314 ng

RT: 10.051 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

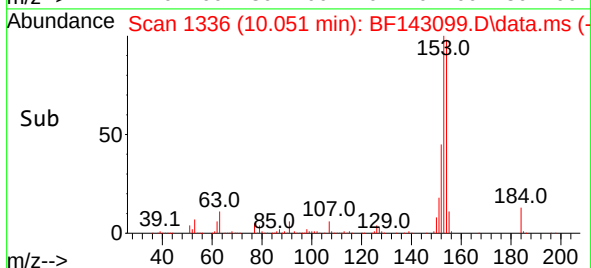
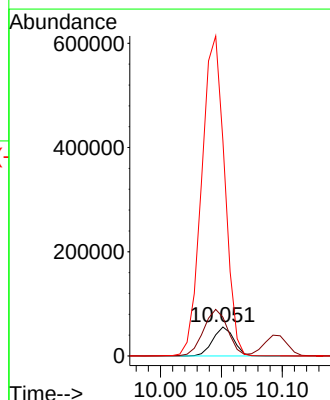
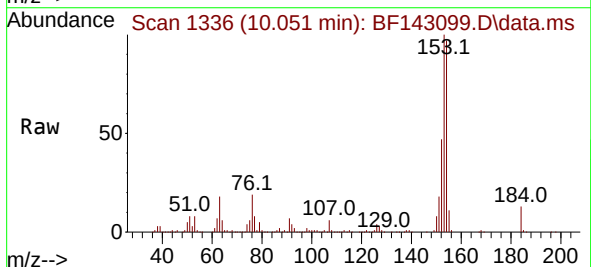
Tgt Ion:184 Resp: 66479

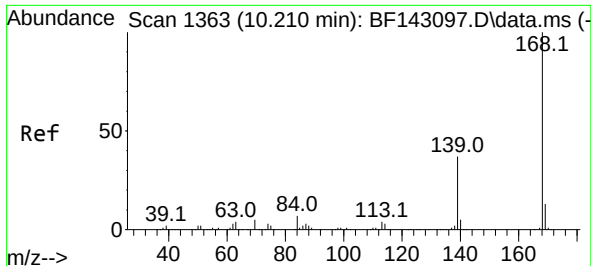
Ion Ratio Lower Upper

184 100

63 133.6 149.3 223.9#

154 743.3 1048.0 1572.0#

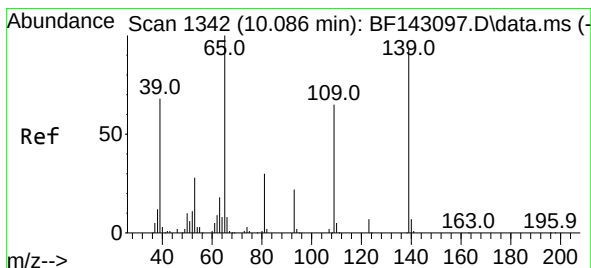
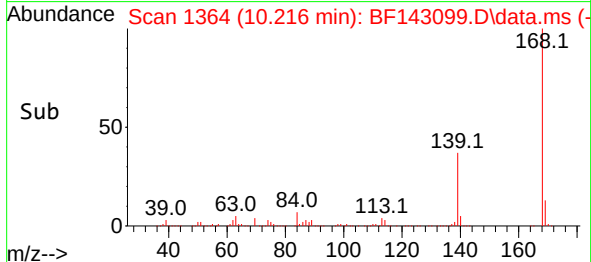
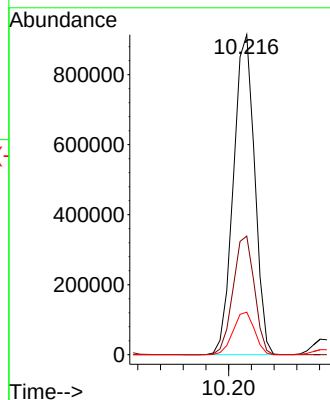
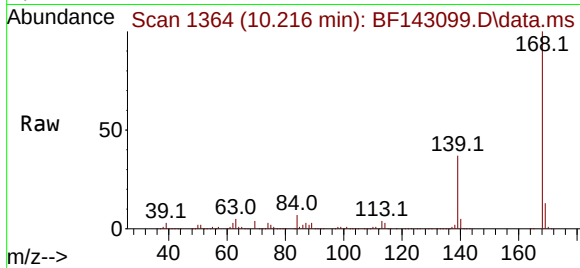




#55
Dibenzofuran
Concen: 56.052 ng
RT: 10.216 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

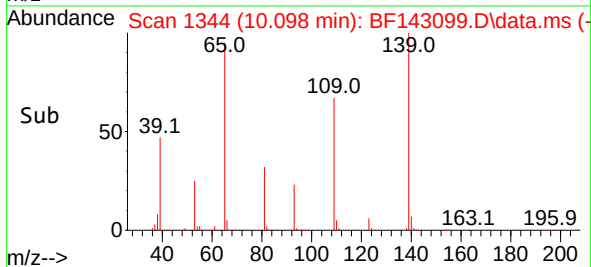
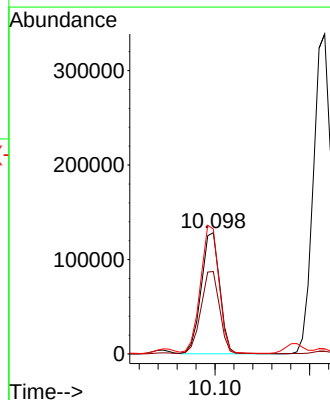
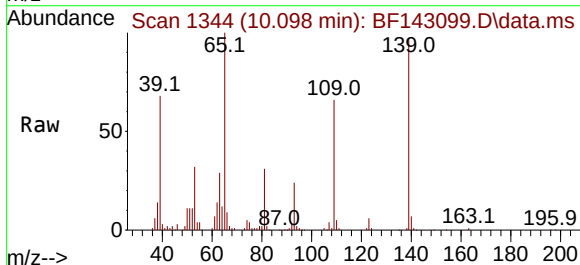
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

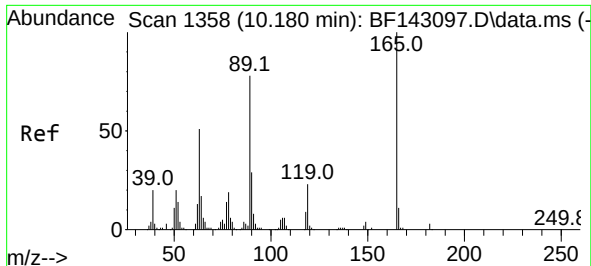
Tgt Ion:168 Resp: 1184002
Ion Ratio Lower Upper
168 100
139 37.1 29.8 44.6
169 13.3 10.8 16.2



#56
4-Nitrophenol
Concen: 65.716 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:139 Resp: 174657
Ion Ratio Lower Upper
139 100
109 67.9 49.4 89.4
65 102.8 88.2 128.2

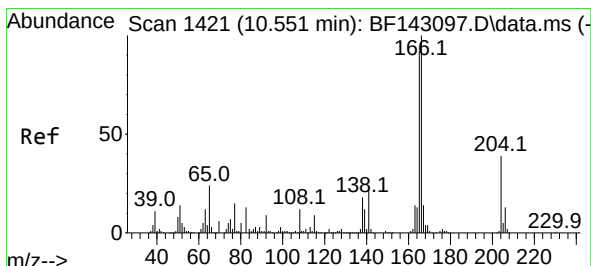
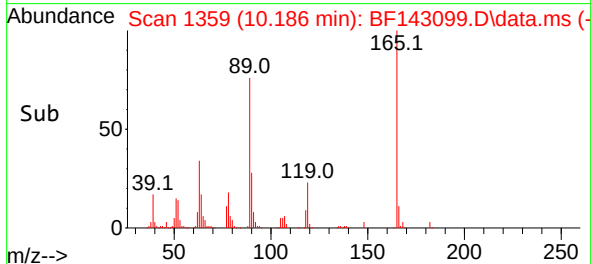
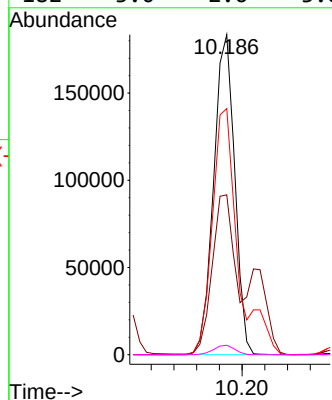
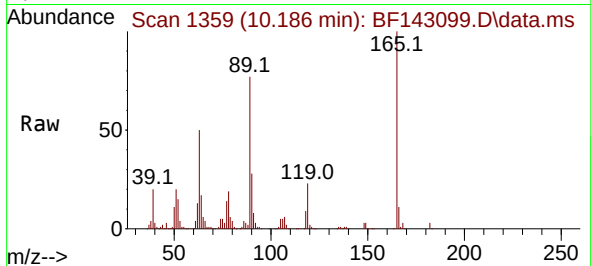




#57
2,4-Dinitrotoluene
Concen: 60.695 ng
RT: 10.186 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

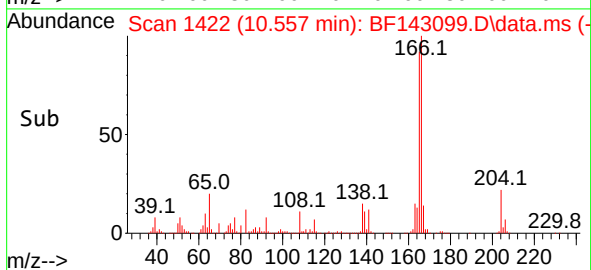
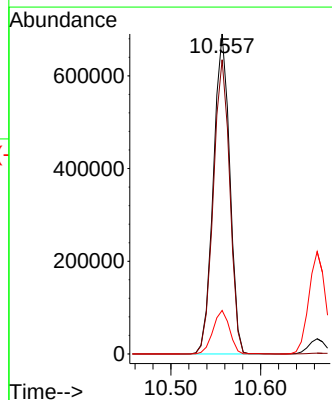
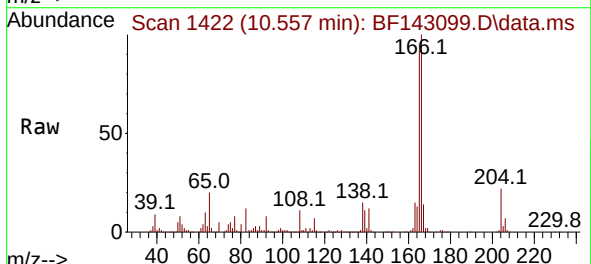
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

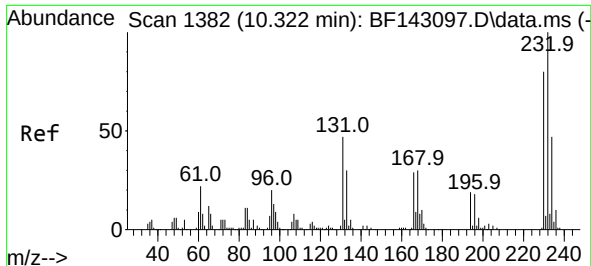
Tgt Ion:165 Resp: 235488
Ion Ratio Lower Upper
165 100
63 49.9 40.6 61.0
89 76.9 62.3 93.5
182 3.0 2.6 3.8



#58
Fluorene
Concen: 55.265 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:166 Resp: 875218
Ion Ratio Lower Upper
166 100
165 91.9 73.7 110.5
167 13.6 10.9 16.3

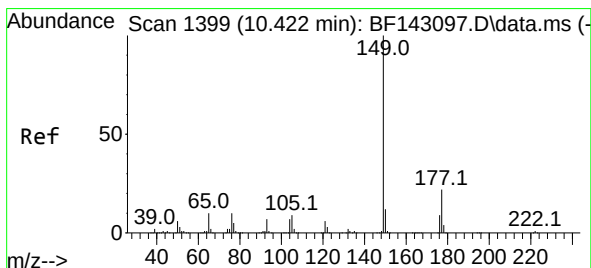
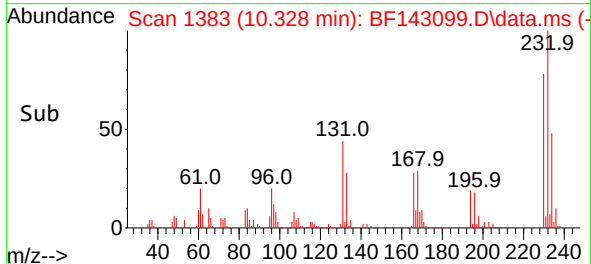
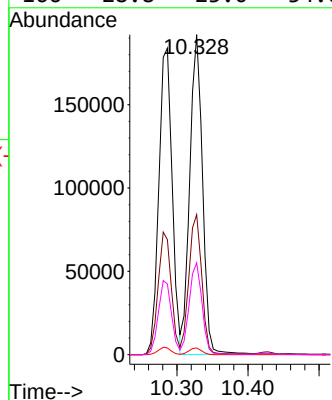
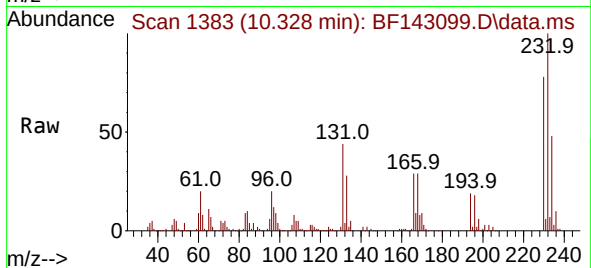




#59
2,3,4,6-Tetrachlorophenol
Concen: 64.235 ng
RT: 10.328 min Scan# 1400
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

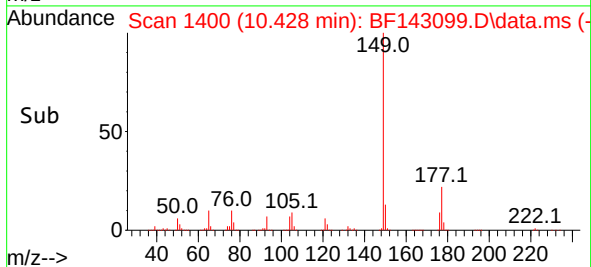
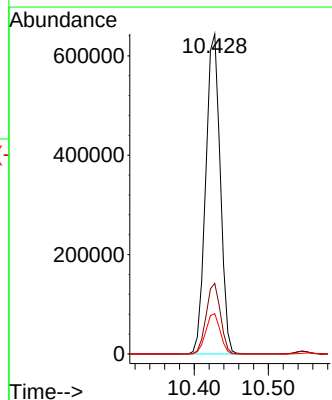
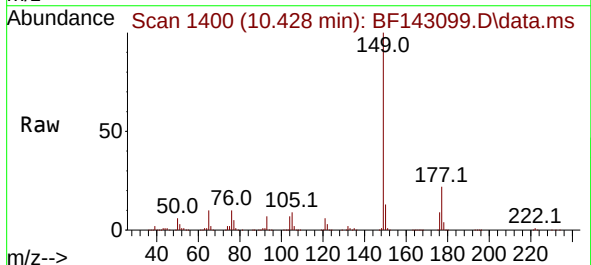
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

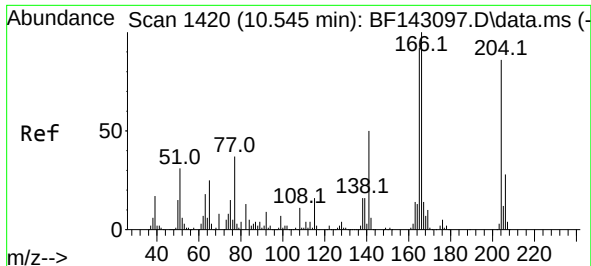
Tgt Ion:232 Resp: 238428
Ion Ratio Lower Upper
232 100
131 43.9 36.9 55.3
130 2.1 1.8 2.8
166 28.8 23.0 34.6



#60
Diethylphthalate
Concen: 58.672 ng
RT: 10.428 min Scan# 1400
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 876047
Ion Ratio Lower Upper
149 100
177 22.1 17.3 25.9
150 12.6 9.9 14.9

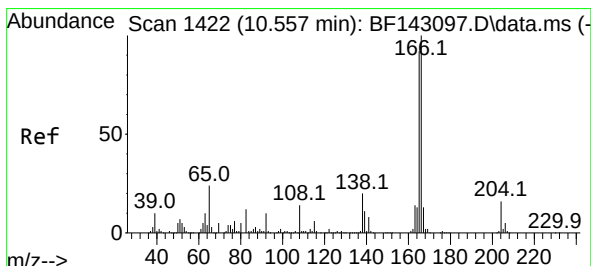
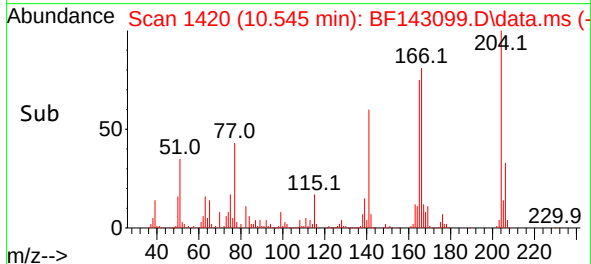
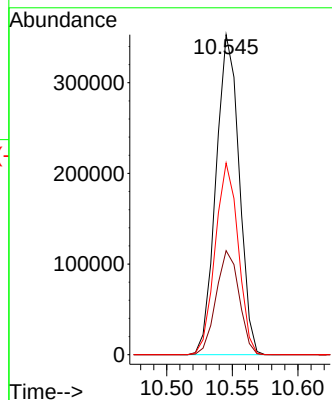
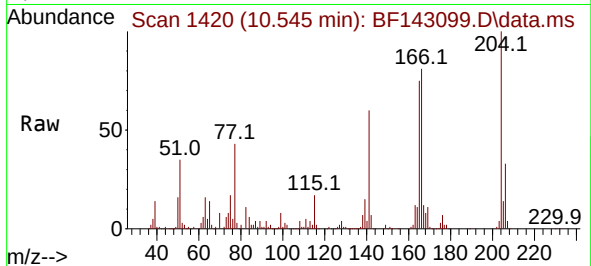




#61
4-Chlorophenyl-phenylether
Concen: 57.000 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

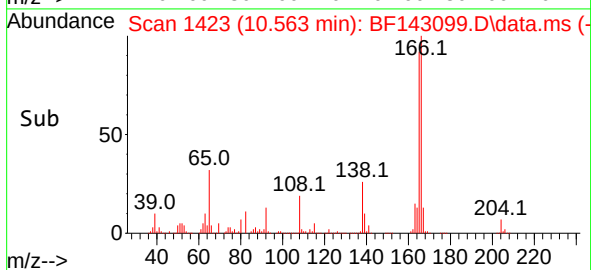
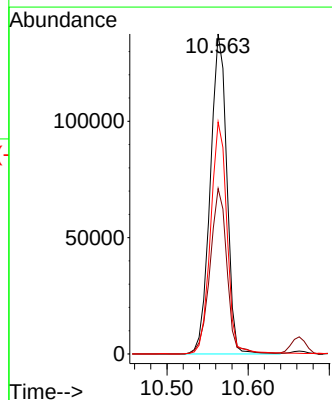
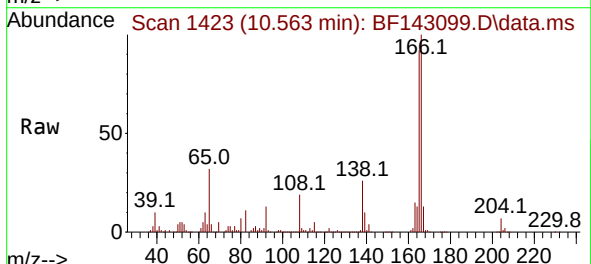
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

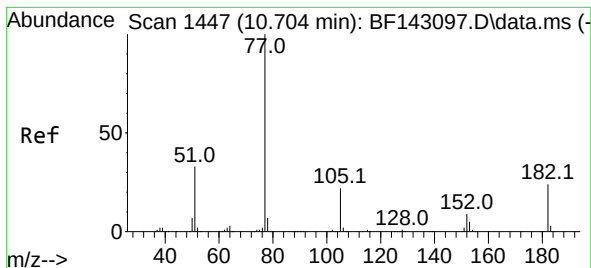
Tgt Ion:204 Resp: 432659
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.6
141 59.9 46.8 70.2



#62
4-Nitroaniline
Concen: 66.802 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:138 Resp: 194271
Ion Ratio Lower Upper
138 100
92 51.7 30.4 70.4
108 72.5 49.5 89.5





#63

Azobenzene

Concen: 57.300 ng

RT: 10.704 min Scan# 1447

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 946204

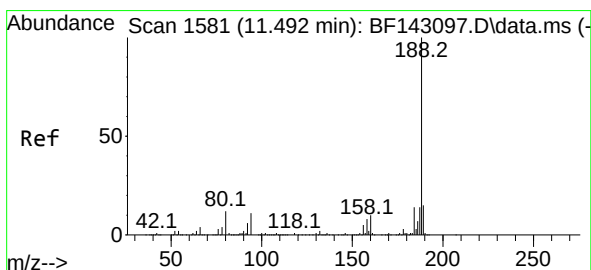
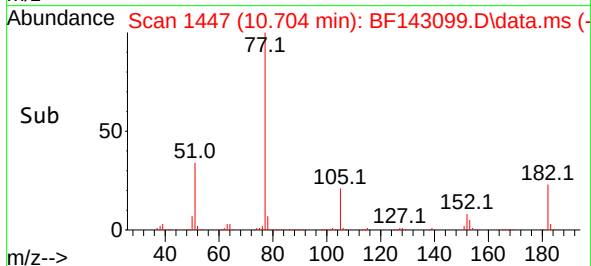
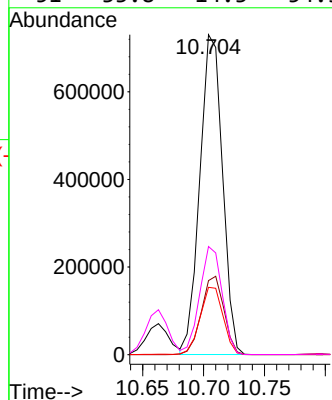
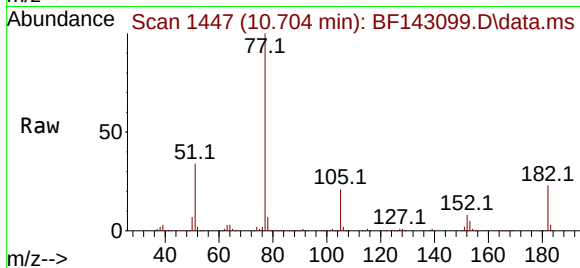
Ion Ratio Lower Upper

77 100

182 23.2 4.0 44.0

105 21.1 1.4 41.4

51 33.8 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

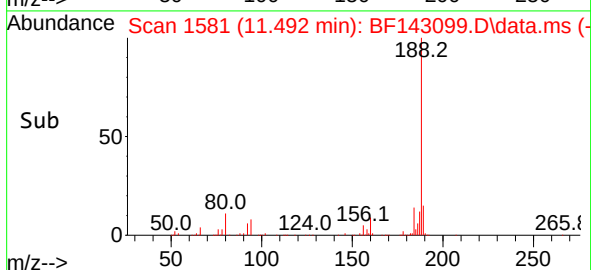
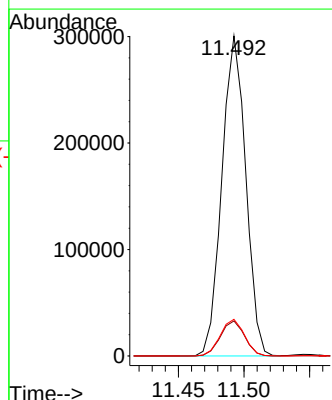
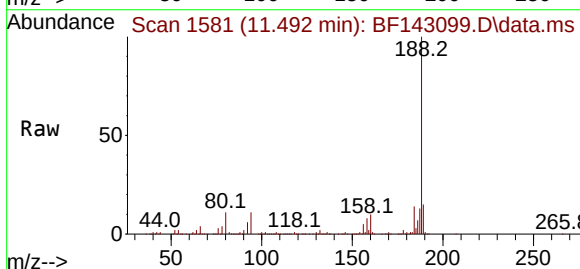
Tgt Ion:188 Resp: 380313

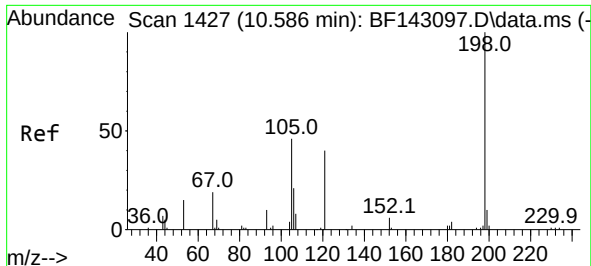
Ion Ratio Lower Upper

188 100

94 10.9 8.6 13.0

80 11.4 9.3 13.9

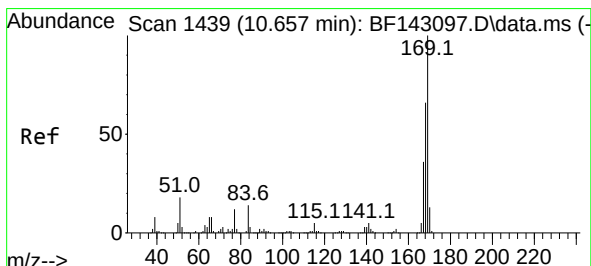
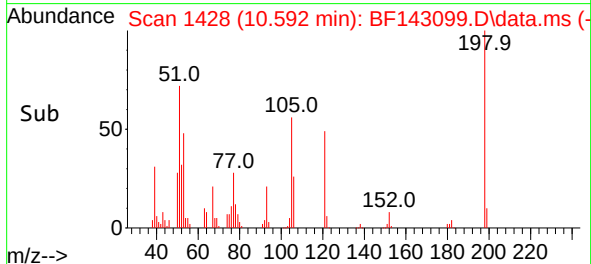
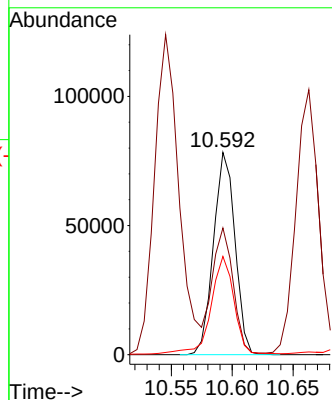
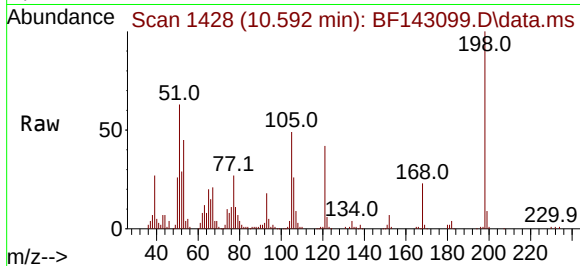




#65
4,6-Dinitro-2-methylphenol
Concen: 62.285 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

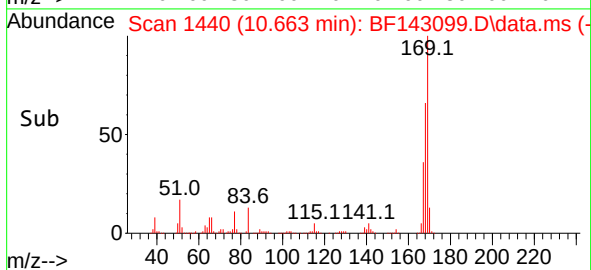
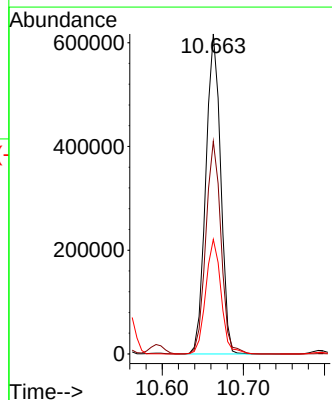
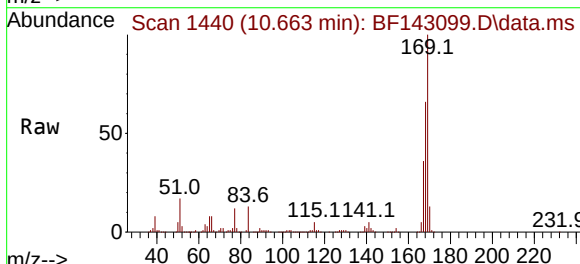
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

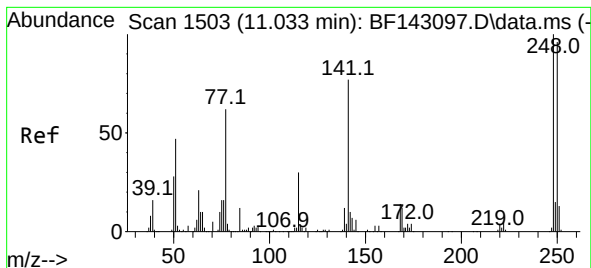
Tgt Ion:198 Resp: 96305
Ion Ratio Lower Upper
198 100
51 62.6 44.6 84.6
105 48.6 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 58.469 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:169 Resp: 781087
Ion Ratio Lower Upper
169 100
168 66.5 53.0 79.6
167 35.8 28.4 42.6

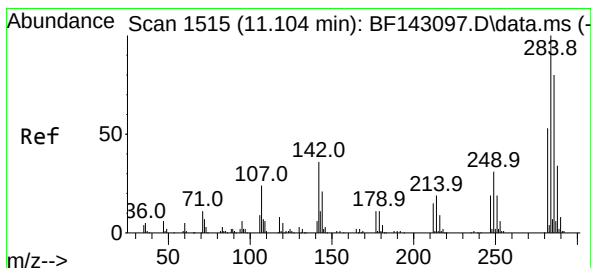
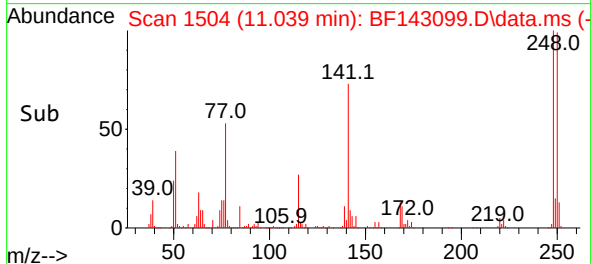
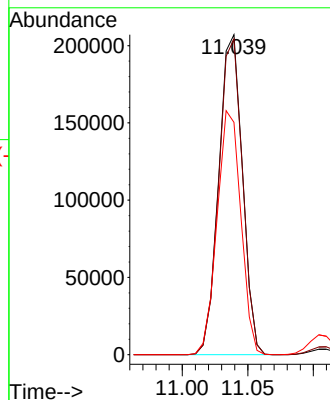
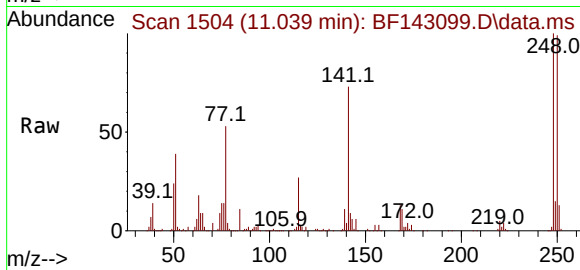




#67
4-Bromophenyl-phenylether
Concen: 60.229 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

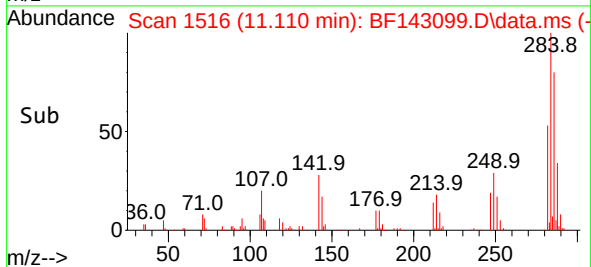
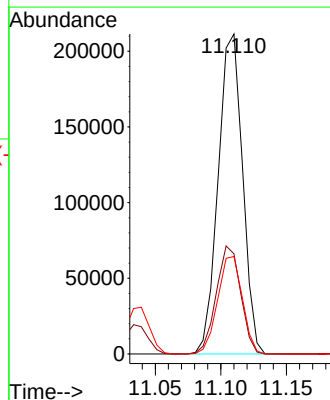
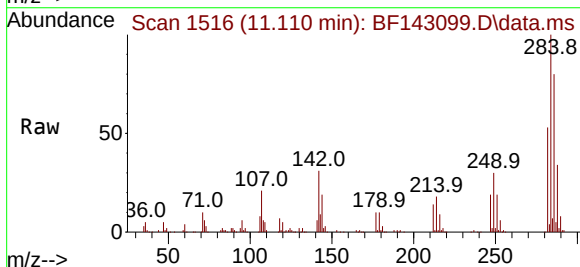
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

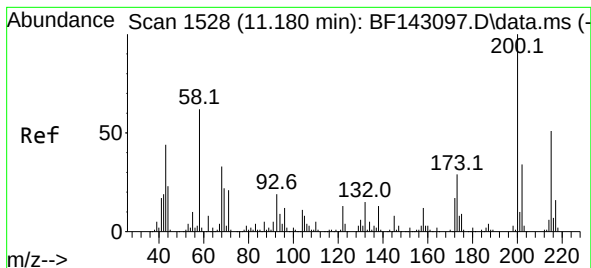
Tgt Ion:248 Resp: 260491
Ion Ratio Lower Upper
248 100
250 98.7 76.7 115.1
141 72.6 61.7 92.5



#68
Hexachlorobenzene
Concen: 59.515 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:284 Resp: 273112
Ion Ratio Lower Upper
284 100
142 31.3 28.9 43.3
249 30.5 24.6 37.0





#69

Atrazine

Concen: 61.838 ng

RT: 11.186 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

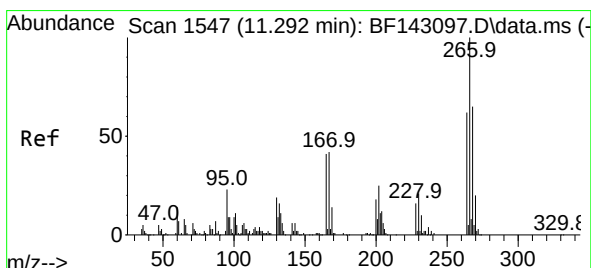
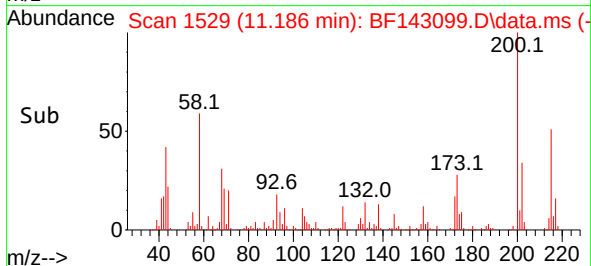
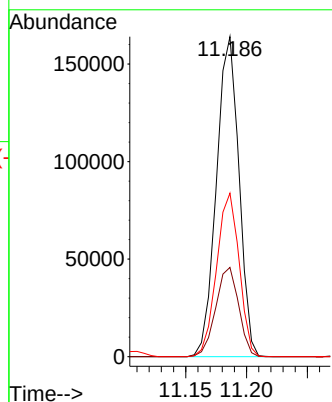
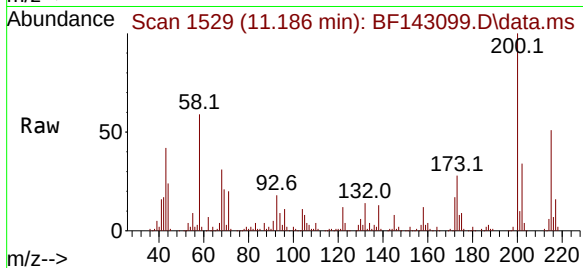
Tgt Ion:200 Resp: 211351

Ion Ratio Lower Upper

200 100

173 27.9 9.1 49.1

215 51.1 31.0 71.0



#70

Pentachlorophenol

Concen: 65.805 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

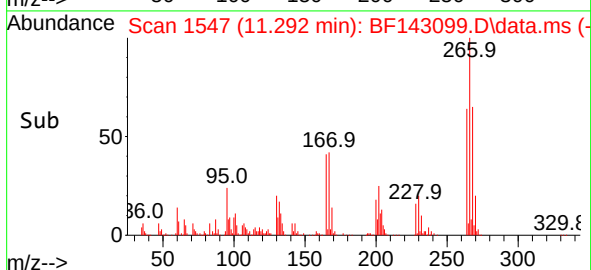
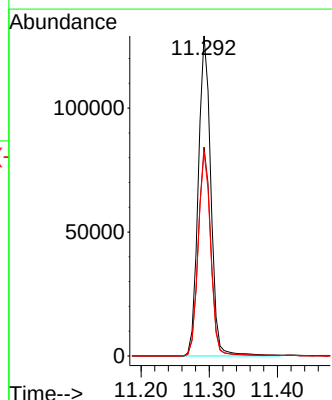
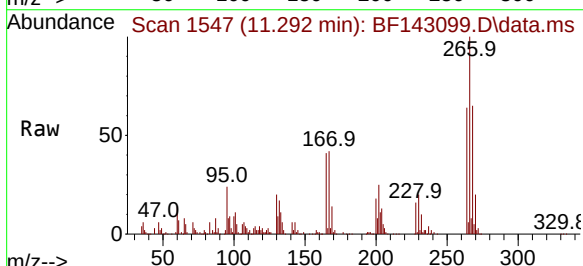
Tgt Ion:266 Resp: 165676

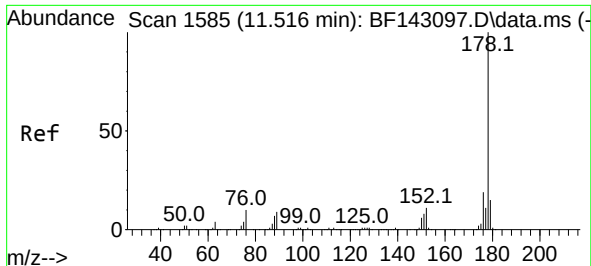
Ion Ratio Lower Upper

266 100

268 65.2 51.8 77.6

264 63.7 49.7 74.5

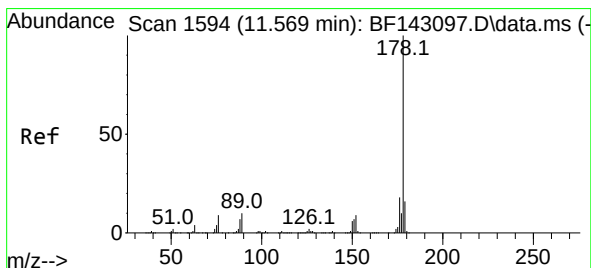
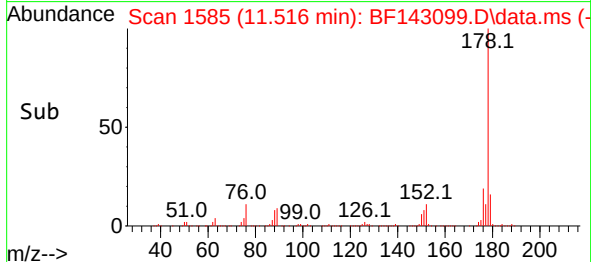
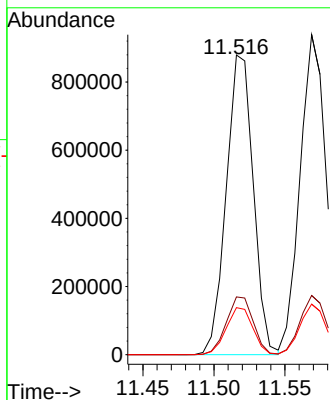
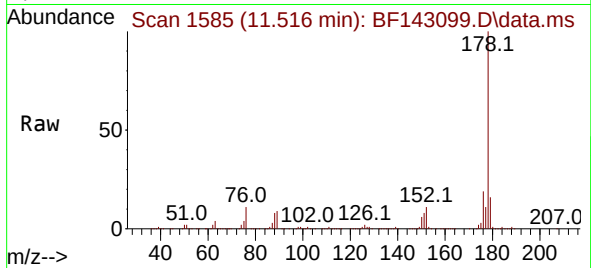




#71
Phenanthrene
Concen: 56.762 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

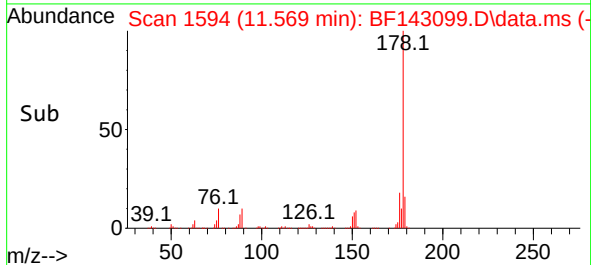
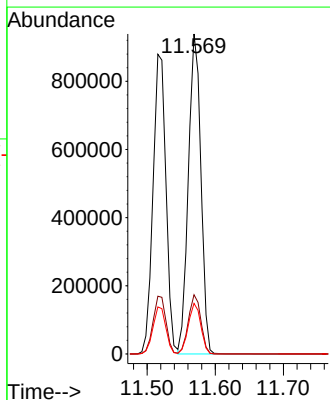
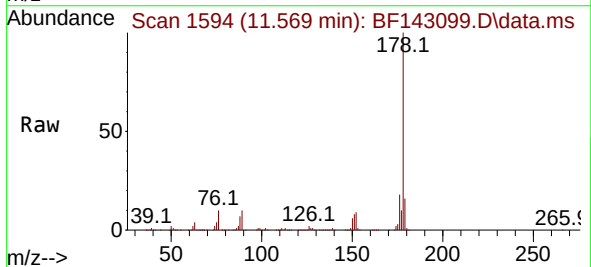
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

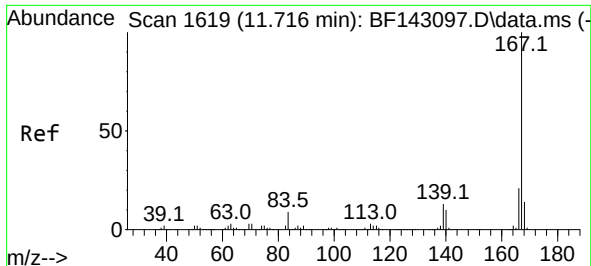
Tgt Ion:178 Resp: 1165047
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.7 12.2 18.4



#72
Anthracene
Concen: 57.589 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:178 Resp: 1188635
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.8 12.4 18.6

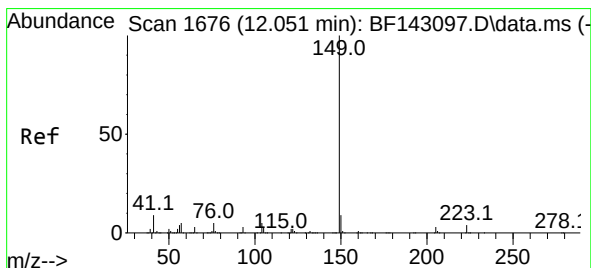
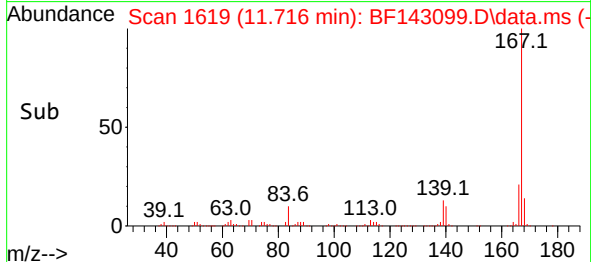
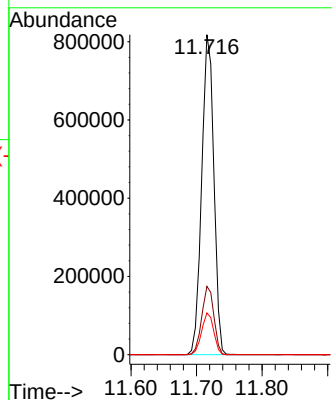
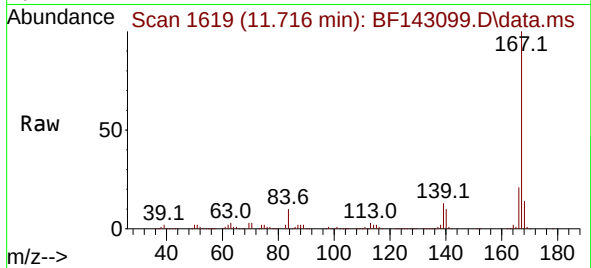




#73
 Carbazole
 Concen: 57.179 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. 0.000 min
 Lab File: BF143099.D
 Acq: 15 Jul 2025 16:05

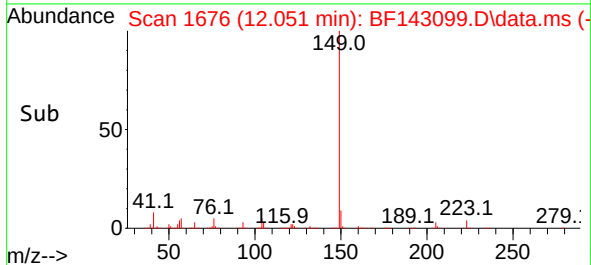
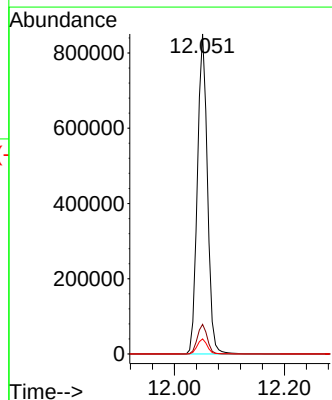
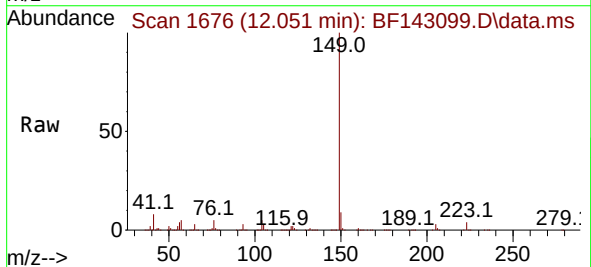
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

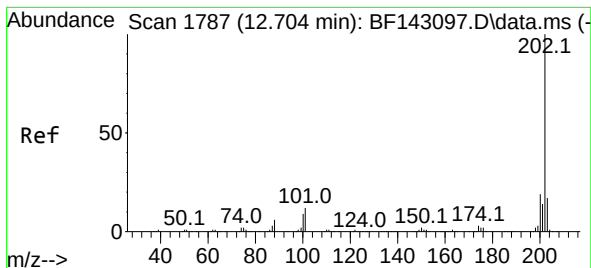
Tgt Ion:167 Resp: 1057291
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.4
 139 13.1 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 63.291 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. 0.000 min
 Lab File: BF143099.D
 Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 1074246
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 4.7 3.8 5.8





#75

Fluoranthene

Concen: 57.328 ng

RT: 12.704 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

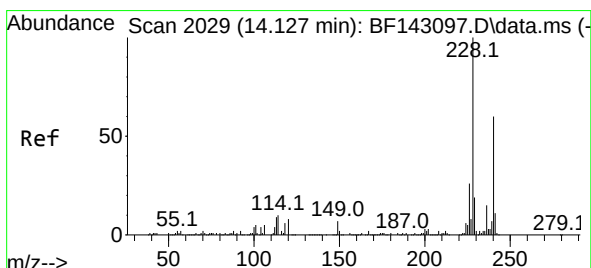
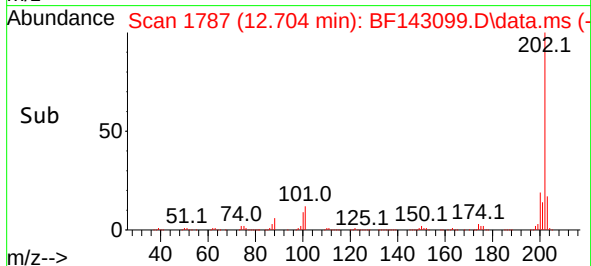
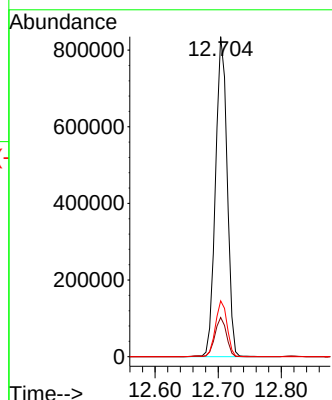
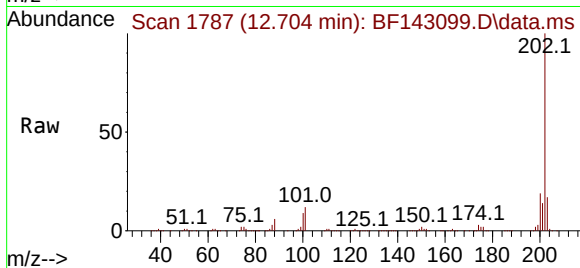
Tgt Ion:202 Resp: 1069898

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.4

203 17.4 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

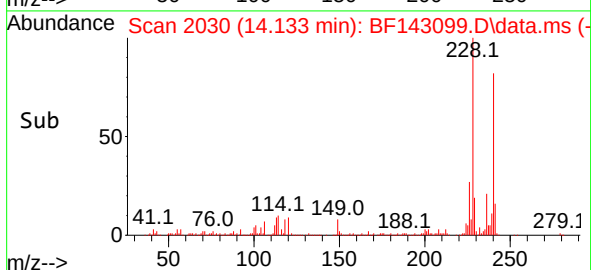
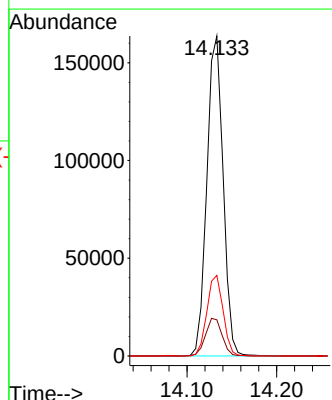
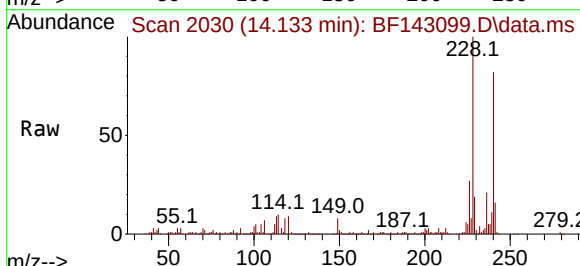
Tgt Ion:240 Resp: 205942

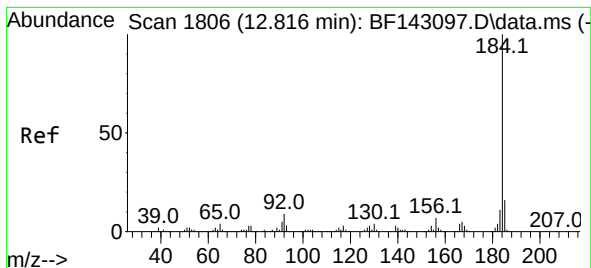
Ion Ratio Lower Upper

240 100

120 11.3 10.0 15.0

236 25.2 20.0 30.0





#77

Benzidine

Concen: 54.244 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

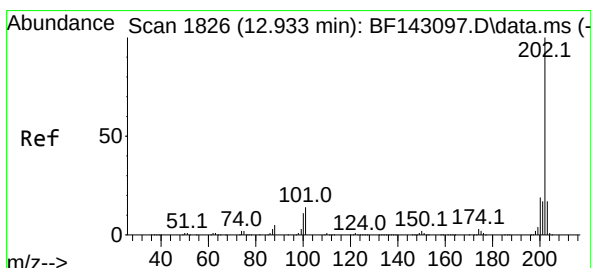
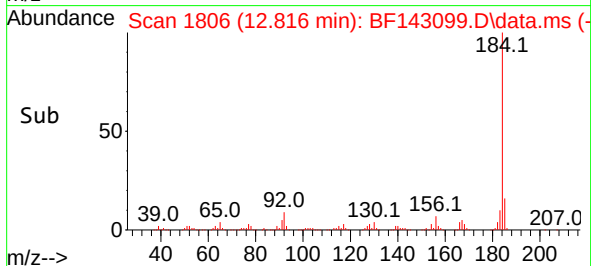
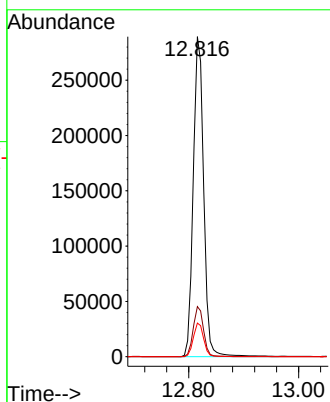
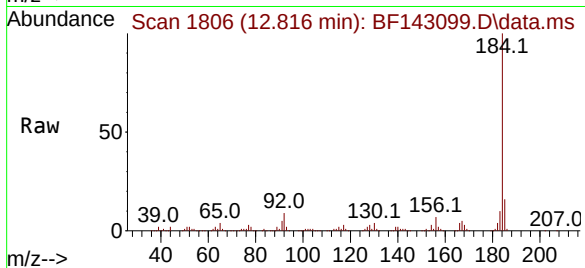
Tgt Ion:184 Resp: 380587

Ion Ratio Lower Upper

184 100

185 15.6 12.4 18.6

183 10.5 8.6 12.8



#78

Pyrene

Concen: 55.485 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

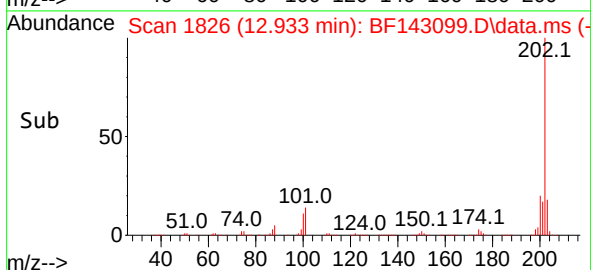
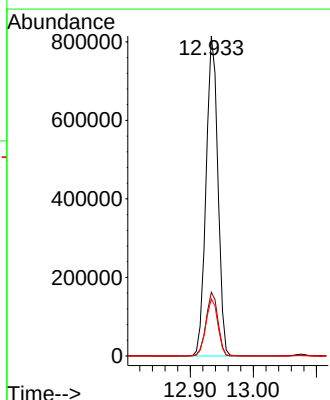
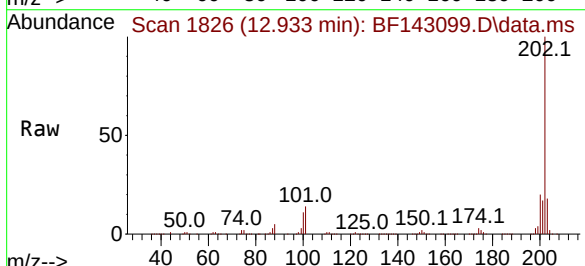
Tgt Ion:202 Resp: 1060216

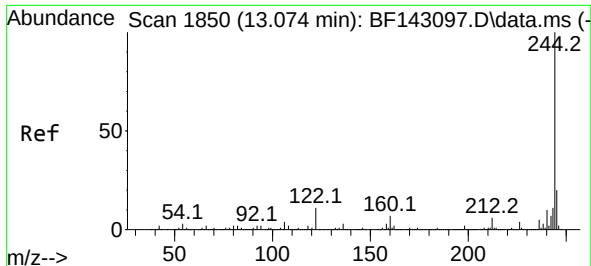
Ion Ratio Lower Upper

202 100

200 19.9 15.5 23.3

203 17.8 14.0 21.0

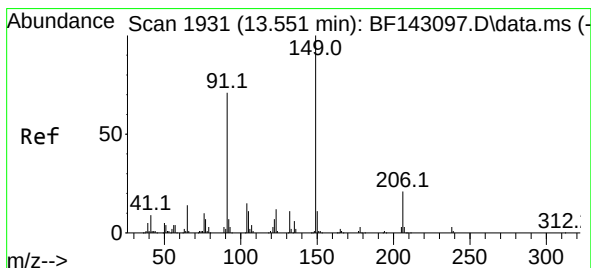
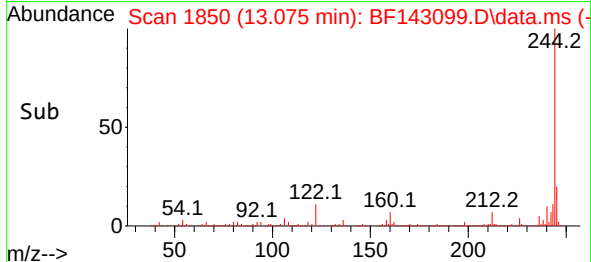
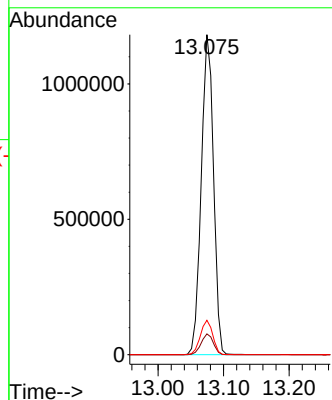
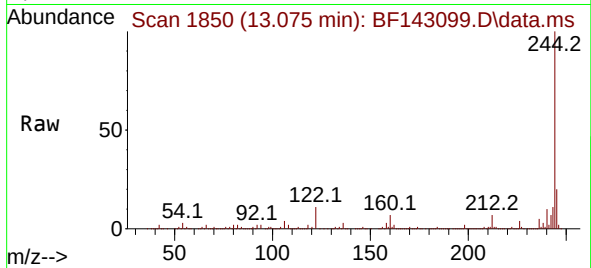




#79
 Terphenyl-d14
 Concen: 109.260 ng
 RT: 13.075 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: BF143099.D
 Acq: 15 Jul 2025 16:05

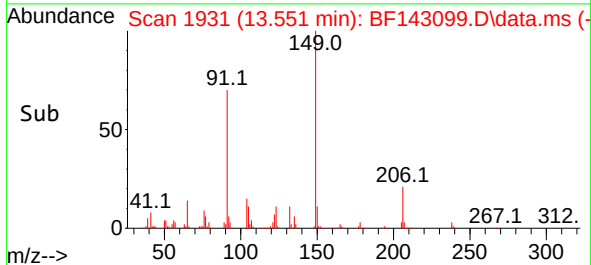
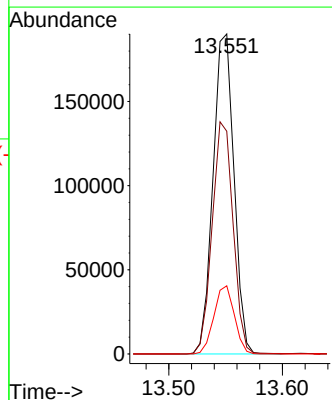
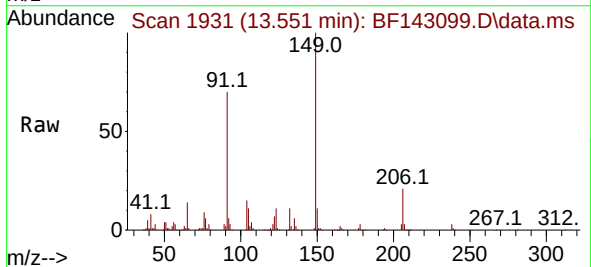
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

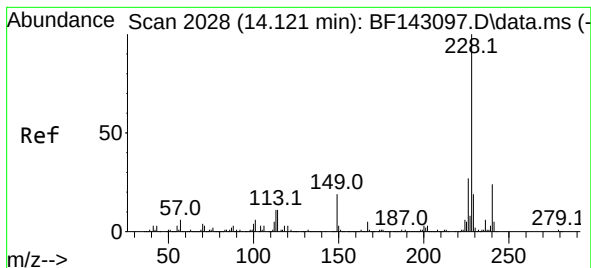
Tgt Ion:244 Resp: 1539271
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.7 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 62.406 ng
 RT: 13.551 min Scan# 1931
 Delta R.T. -0.000 min
 Lab File: BF143099.D
 Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 243805
 Ion Ratio Lower Upper
 149 100
 91 69.6 57.0 85.4
 206 21.3 17.2 25.8





#81

Benzo(a)anthracene

Concen: 59.697 ng

RT: 14.122 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

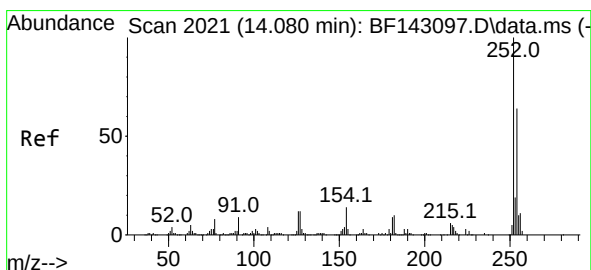
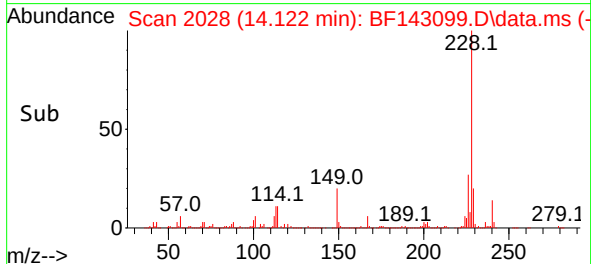
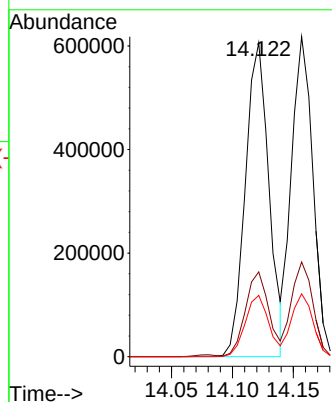
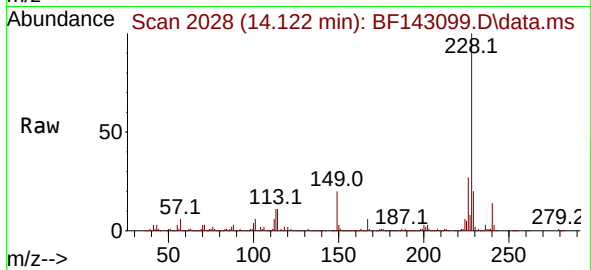
Tgt Ion:228 Resp: 819246

Ion Ratio Lower Upper

228 100

226 27.0 21.3 31.9

229 19.5 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 63.758 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

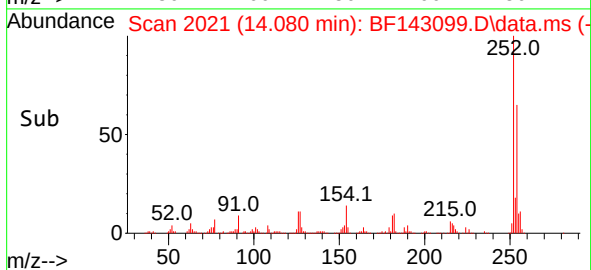
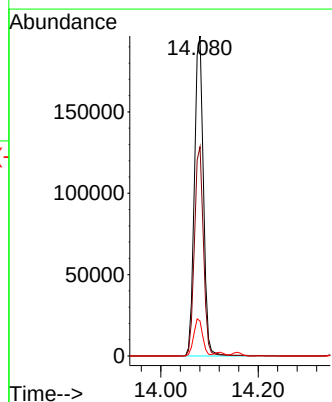
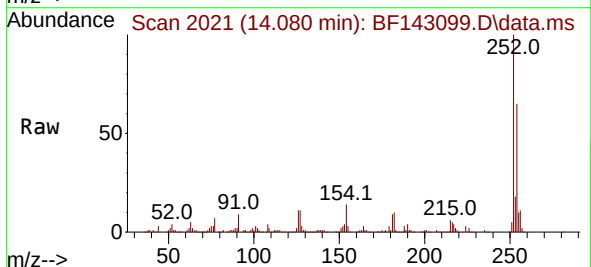
Tgt Ion:252 Resp: 254086

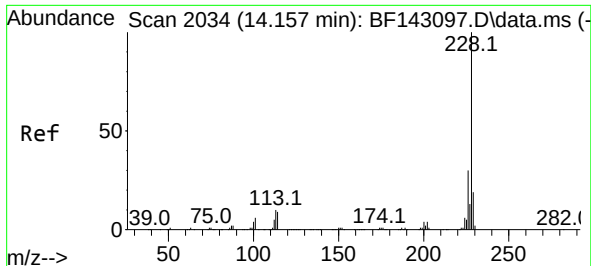
Ion Ratio Lower Upper

252 100

254 65.3 51.5 77.3

126 10.9 9.4 14.0

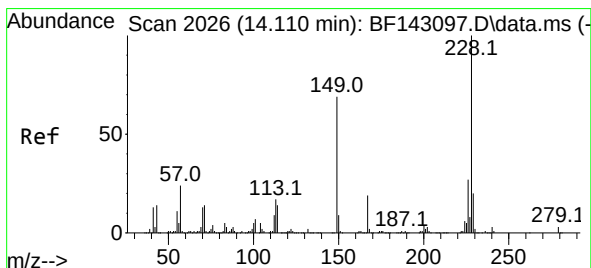
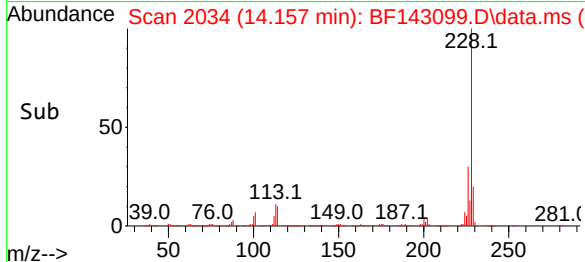
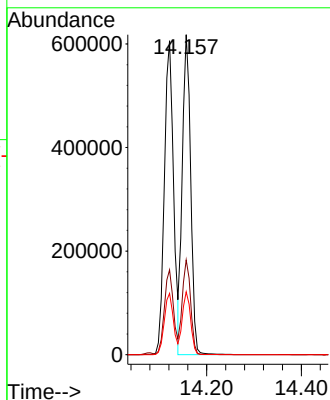
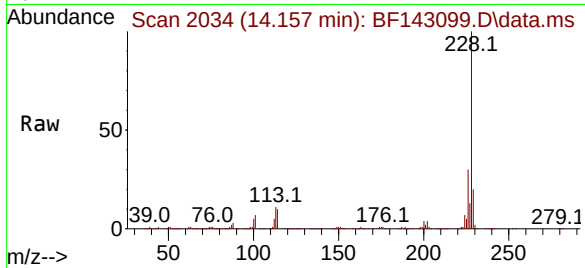




#83
Chrysene
Concen: 60.044 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

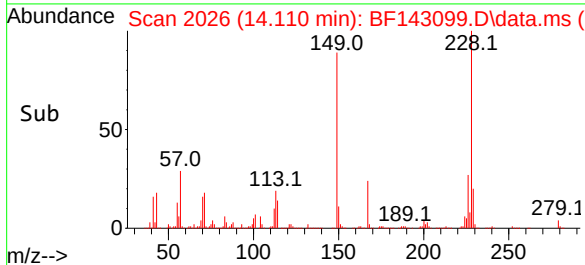
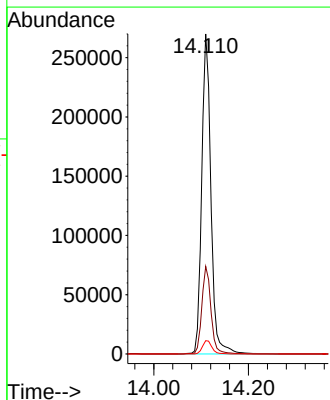
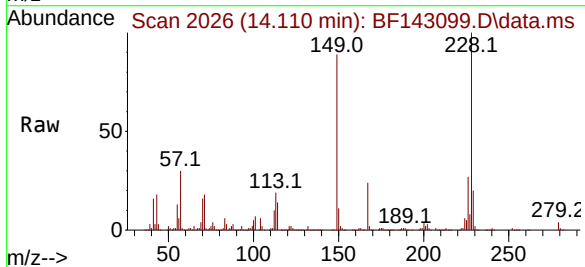
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

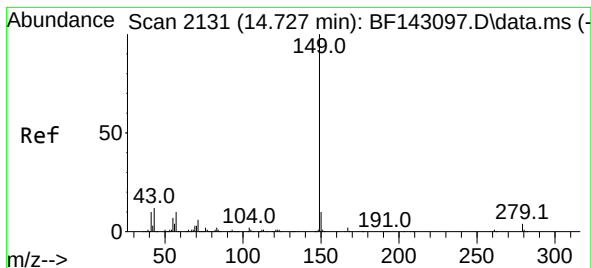
Tgt Ion:228 Resp: 758916
Ion Ratio Lower Upper
228 100
226 29.6 23.4 35.2
229 19.7 15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 61.957 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 364902
Ion Ratio Lower Upper
149 100
167 27.4 21.9 32.9
279 4.2 3.4 5.0

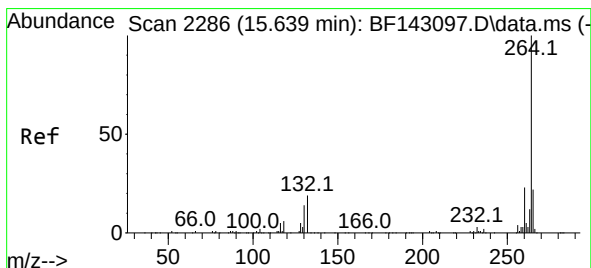
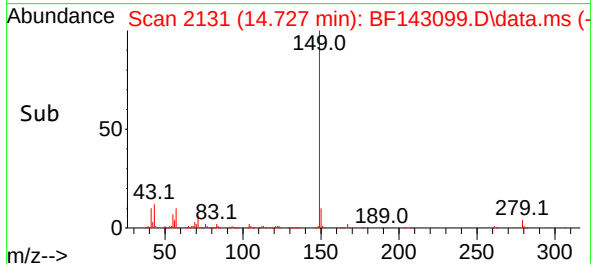
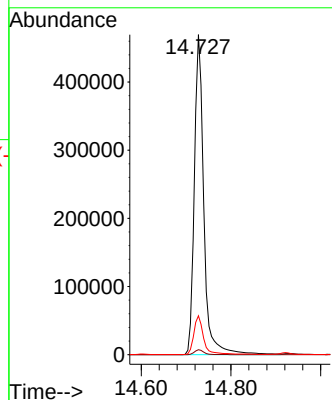
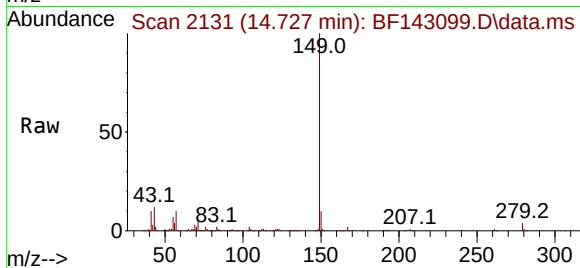




#85
Di-n-octyl phthalate
Concen: 60.817 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

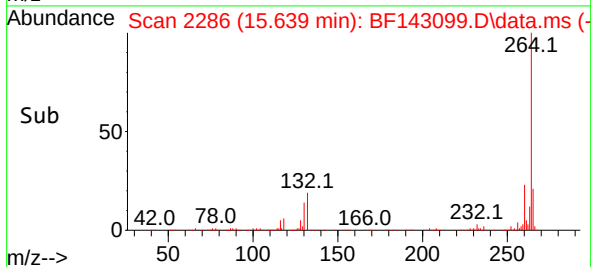
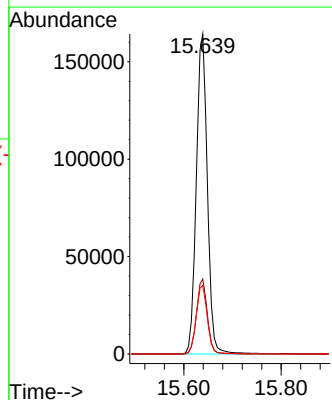
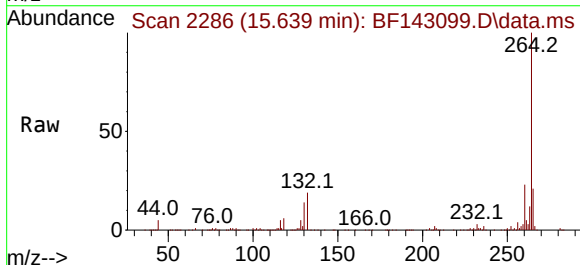
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

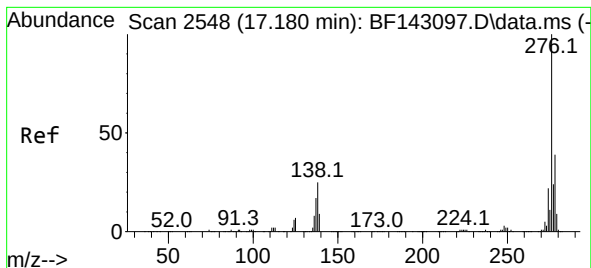
Tgt Ion:149 Resp: 688940
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.4 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:264 Resp: 260121
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.286 ng

RT: 17.192 min Scan# 2110

Delta R.T. 0.012 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

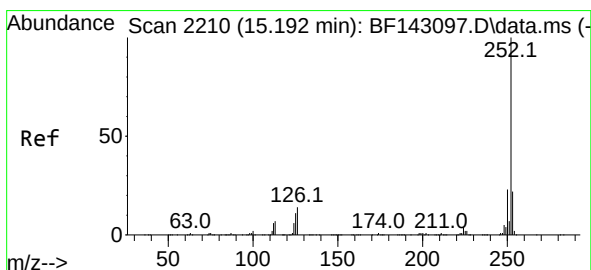
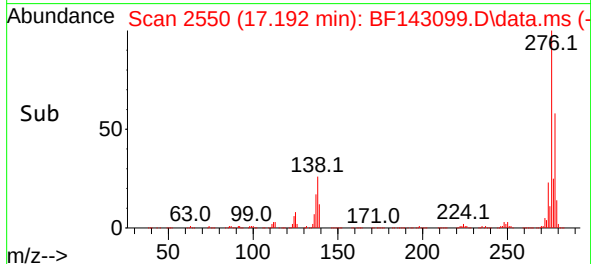
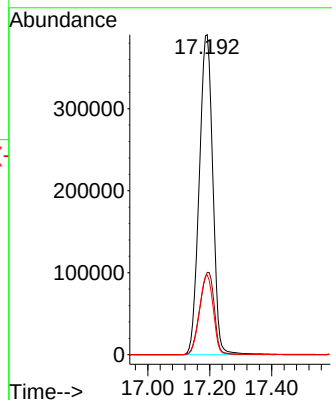
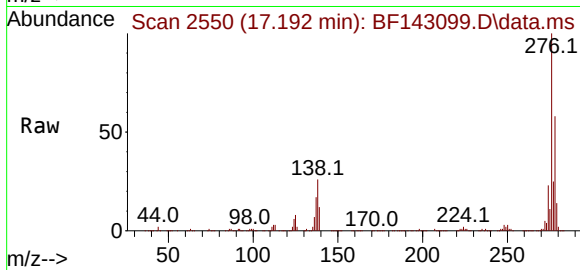
Tgt Ion:276 Resp: 1185702

Ion Ratio Lower Upper

276 100

138 27.6 22.6 34.0

277 25.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 61.640 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

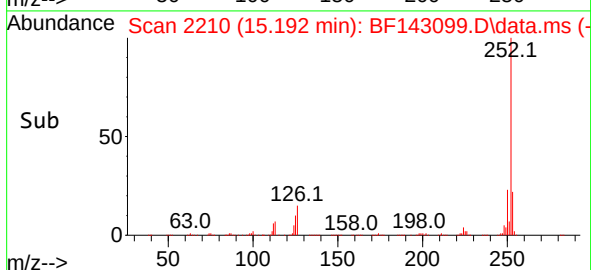
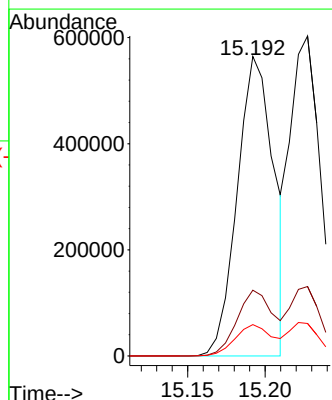
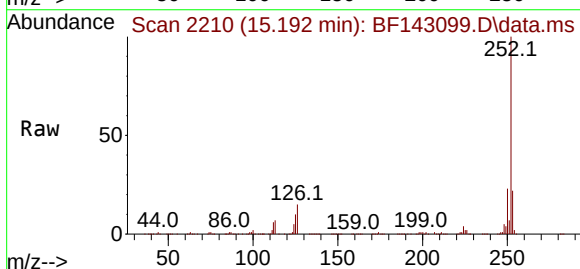
Tgt Ion:252 Resp: 924866

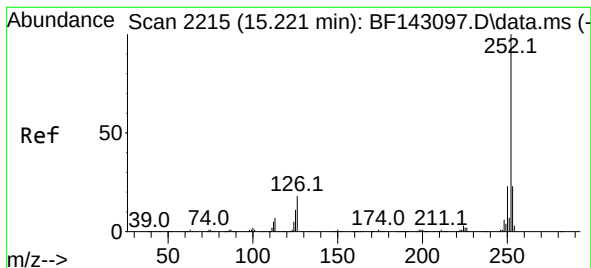
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.5 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 57.794 ng

RT: 15.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

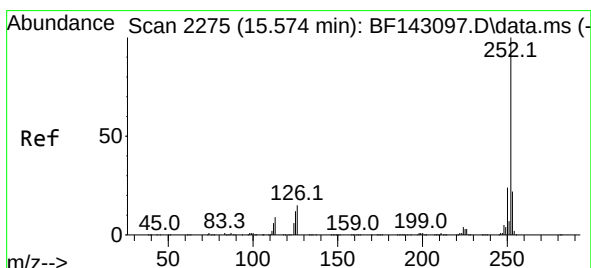
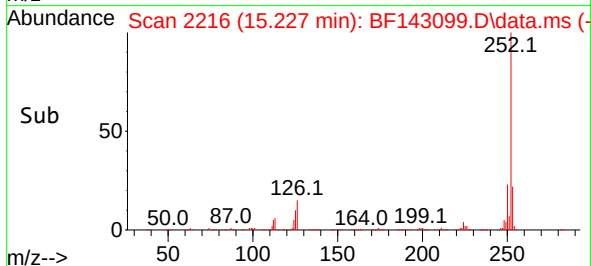
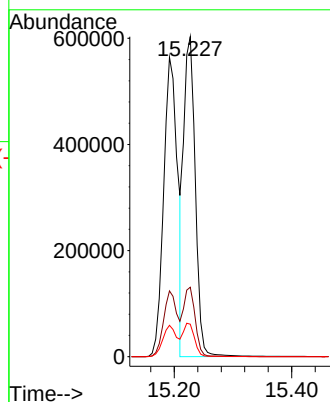
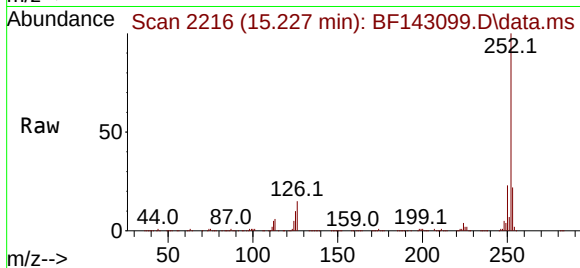
Tgt Ion:252 Resp: 827274

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 10.2 8.5 12.7



#90

Benzo(a)pyrene

Concen: 61.791 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF143099.D

Acq: 15 Jul 2025 16:05

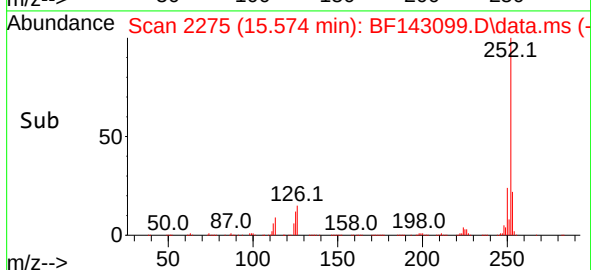
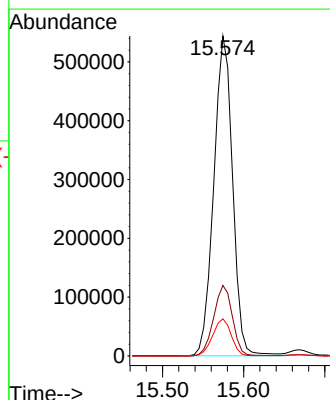
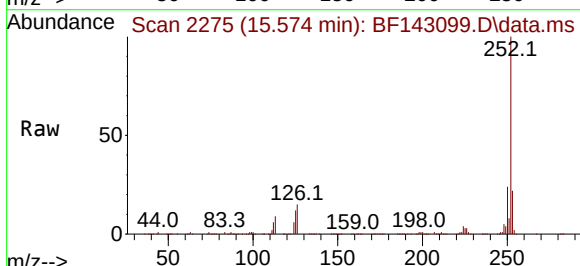
Tgt Ion:252 Resp: 876856

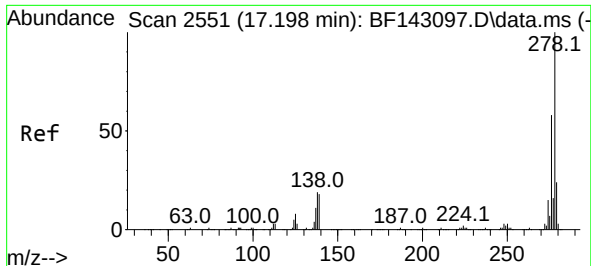
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 11.6 9.4 14.0

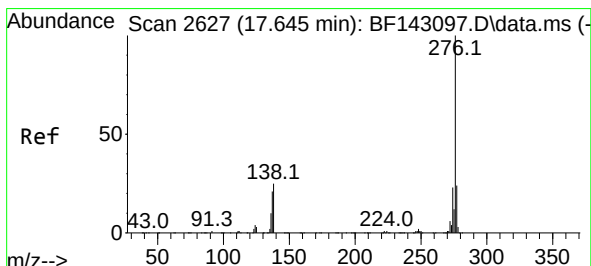
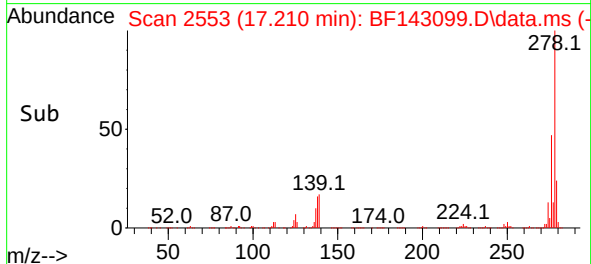
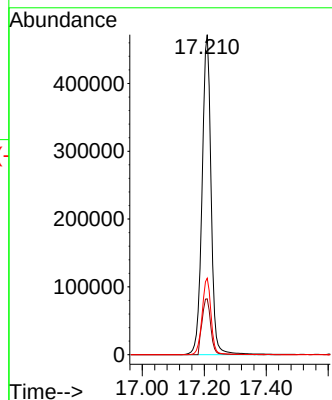
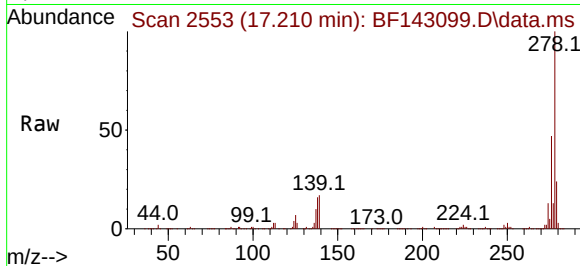




#91
Dibenzo(a,h)anthracene
Concen: 60.300 ng
RT: 17.210 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

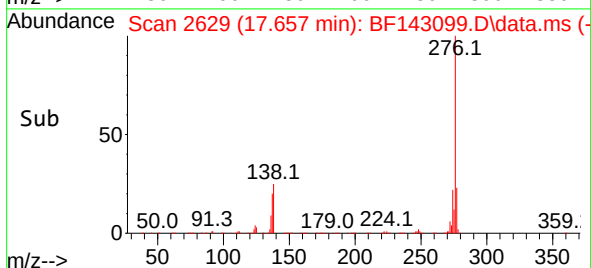
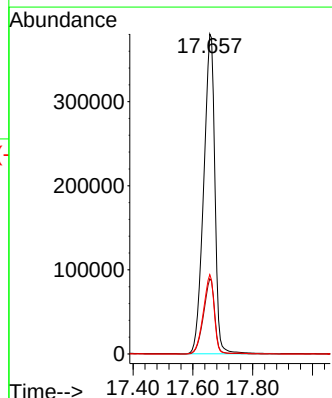
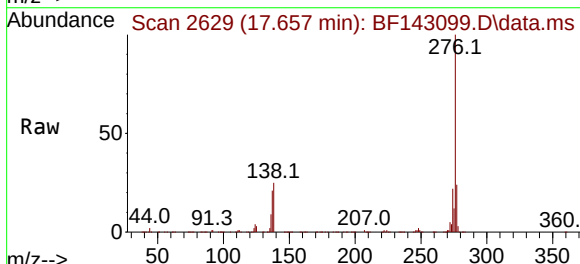
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 953666
Ion Ratio Lower Upper
278 100
139 17.4 14.6 22.0
279 23.9 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 60.962 ng
RT: 17.657 min Scan# 2629
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:276 Resp: 982960
Ion Ratio Lower Upper
276 100
277 23.5 19.2 28.8
138 24.8 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143100.D
 Acq On : 15 Jul 2025 16:35
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Jul 15 17:42:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	129576	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	487361	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	236260	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	362117	20.000	ng	0.00
76) Chrysene-d12	14.133	240	196411	20.000	ng	0.00
86) Perylene-d12	15.639	264	256691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	1189824	145.077	ng	0.00
7) Phenol-d6	6.593	99	1493965	144.917	ng	0.00
23) Nitrobenzene-d5	7.534	82	1441614	165.933	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	355830	168.911	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	2339151	131.609	ng	0.00
79) Terphenyl-d14	13.075	244	1779829	132.466	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.805	88	303852	74.427	ng	100
3) Pyridine	3.581	79	787323	76.158	ng	99
4) n-Nitrosodimethylamine	3.534	42	421072	78.614	ng	100
6) Aniline	6.634	93	1072162	73.855	ng	100
8) 2-Chlorophenol	6.757	128	628294	76.249	ng	99
9) Benzaldehyde	6.522	77	447861	57.014	ng	99
10) Phenol	6.610	94	852212	76.362	ng	94
11) bis(2-Chloroethyl)ether	6.704	93	626821	72.551	ng	98
12) 1,3-Dichlorobenzene	6.916	146	666489	71.595	ng	100
13) 1,4-Dichlorobenzene	6.987	146	669586	71.496	ng	99
14) 1,2-Dichlorobenzene	7.145	146	643168	72.014	ng	99
15) Benzyl Alcohol	7.104	79	586953	76.840	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.245	45	1125357	70.661	ng	98
17) 2-Methylphenol	7.216	107	536428	75.438	ng	99
18) Hexachloroethane	7.487	117	235713	77.313	ng	99
19) n-Nitroso-di-n-propyla...	7.393	70	464705	73.578	ng	98
20) 3+4-Methylphenols	7.369	107	616275	70.670	ng	95
22) Acetophenone	7.381	105	817243	69.563	ng	# 95
24) Nitrobenzene	7.551	77	676569	80.671	ng	99
25) Isophorone	7.798	82	1269015	75.573	ng	100
26) 2-Nitrophenol	7.863	139	287169	82.598	ng	98
27) 2,4-Dimethylphenol	7.898	122	582059	74.683	ng	98
28) bis(2-Chloroethoxy)met...	7.998	93	731977	71.885	ng	100
29) 2,4-Dichlorophenol	8.104	162	496027	77.795	ng	99
30) 1,2,4-Trichlorobenzene	8.192	180	520808	71.974	ng	98
31) Naphthalene	8.275	128	1711163	70.704	ng	100
32) Benzoic acid	8.022	122	336178	81.374	ng	99
33) 4-Chloroaniline	8.316	127	688999	70.795	ng	99
34) Hexachlorobutadiene	8.398	225	318274	73.546	ng	98
35) Caprolactam	8.698	113	161466	81.097	ng	94
36) 4-Chloro-3-methylphenol	8.792	107	539340	75.937	ng	97
37) 2-Methylnaphthalene	8.963	142	1021312	70.738	ng	99
38) 1-Methylnaphthalene	9.063	142	1047560	69.955	ng	100
40) 1,2,4,5-Tetrachloroben...	9.134	216	493246	71.639	ng	99
41) Hexachlorocyclopentadiene	9.128	237	324865	85.103	ng	98
43) 2,4,6-Trichlorophenol	9.239	196	355839	83.176	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143100.D
 Acq On : 15 Jul 2025 16:35
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

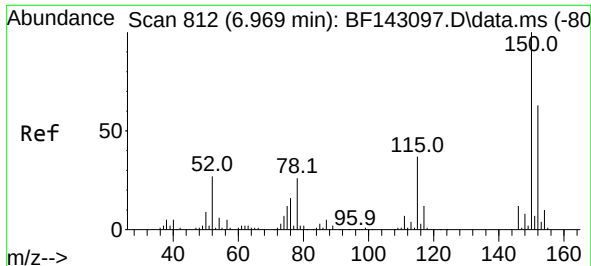
Quant Time: Jul 15 17:42:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	357298	79.651	ng	99
46) 1,1'-Biphenyl	9.428	154	1307947	69.419	ng	99
47) 2-Chloronaphthalene	9.457	162	990436	71.557	ng	99
48) 2-Nitroaniline	9.539	65	335875	79.074	ng	99
49) Acenaphthylene	9.875	152	1650097	71.544	ng	99
50) Dimethylphthalate	9.728	163	1104756	74.327	ng	100
51) 2,6-Dinitrotoluene	9.787	165	233478	77.660	ng	91
52) Acenaphthene	10.045	154	975285	71.657	ng	99
53) 3-Nitroaniline	9.951	138	279161	86.920	ng	99
54) 2,4-Dinitrophenol	10.057	184	91751	79.064	ng	# 1
55) Dibenzofuran	10.216	168	1432458	70.610	ng	100
56) 4-Nitrophenol	10.098	139	219224	85.886	ng	97
57) 2,4-Dinitrotoluene	10.186	165	302558	80.048	ng	99
58) Fluorene	10.557	166	1043990	68.640	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	291933	81.893	ng	99
60) Diethylphthalate	10.428	149	1067815	74.464	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	524910	72.005	ng	98
62) 4-Nitroaniline	10.569	138	244461	87.527	ng	97
63) Azobenzene	10.710	77	1141613	71.985	ng	98
65) 4,6-Dinitro-2-methylph...	10.598	198	125251	78.600	ng	96
66) n-Nitrosodiphenylamine	10.663	169	947890	74.520	ng	99
67) 4-Bromophenyl-phenylether	11.039	248	316619	76.885	ng	97
68) Hexachlorobenzene	11.110	284	333899	76.417	ng	96
69) Atrazine	11.186	200	266668	81.943	ng	97
70) Pentachlorophenol	11.292	266	210729	87.905	ng	99
71) Phenanthrene	11.522	178	1401500	71.714	ng	99
72) Anthracene	11.569	178	1423259	72.421	ng	99
73) Carbazole	11.716	167	1264053	71.796	ng	100
74) Di-n-butylphthalate	12.051	149	1299711	80.422	ng	100
75) Fluoranthene	12.704	202	1258479	70.821	ng	99
77) Benzidine	12.816	184	403599	60.315	ng	99
78) Pyrene	12.933	202	1244953	68.315	ng	99
80) Butylbenzylphthalate	13.551	149	301525	79.914	ng	99
81) Benzo(a)anthracene	14.122	228	979909	74.870	ng	99
82) 3,3'-Dichlorobenzidine	14.080	252	296061	77.896	ng	99
83) Chrysene	14.157	228	913035	75.743	ng	98
84) Bis(2-ethylhexyl)phtha...	14.110	149	458210	80.495	ng	99
85) Di-n-octyl phthalate	14.727	149	916748	82.209	ng	98
87) Indeno(1,2,3-cd)pyrene	17.192	276	1509813	79.082	ng	98
88) Benzo(b)fluoranthene	15.198	252	1115815	75.360	ng	99
89) Benzo(k)fluoranthene	15.227	252	1083939	76.736	ng	99
90) Benzo(a)pyrene	15.580	252	1107280	79.071	ng	99
91) Dibenzo(a,h)anthracene	17.215	278	1209971	77.528	ng	98
92) Benzo(g,h,i)perylene	17.668	276	1246206	78.321	ng	98

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

Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

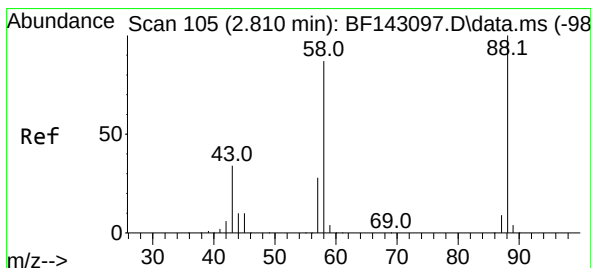
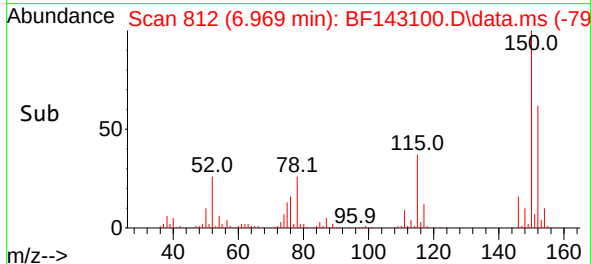
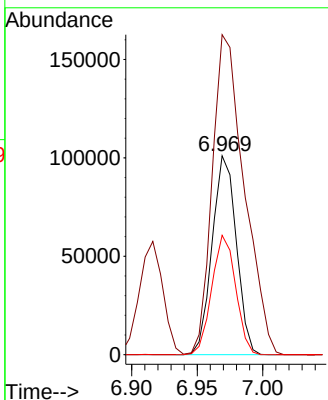
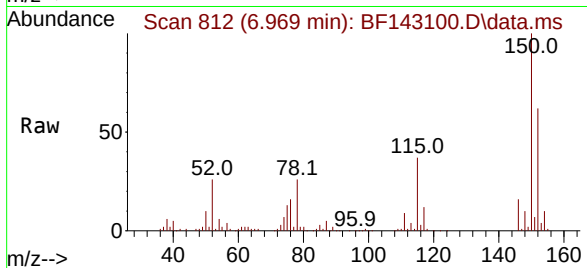




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

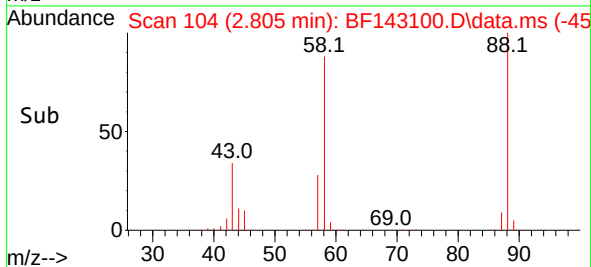
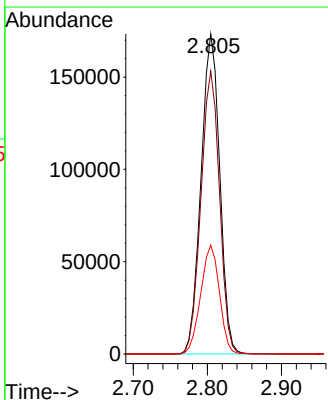
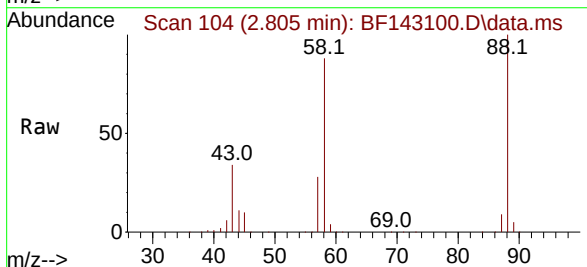
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

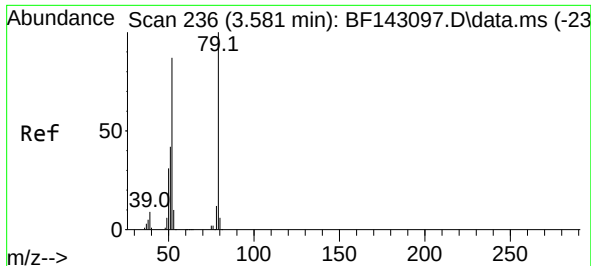
Tgt Ion:152 Resp: 129576
Ion Ratio Lower Upper
152 100
150 160.9 126.5 189.7
115 60.0 47.0 70.6



#2
1,4-Dioxane
Concen: 74.427 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 88 Resp: 303852
Ion Ratio Lower Upper
88 100
58 87.8 70.5 105.7
43 33.9 27.3 40.9

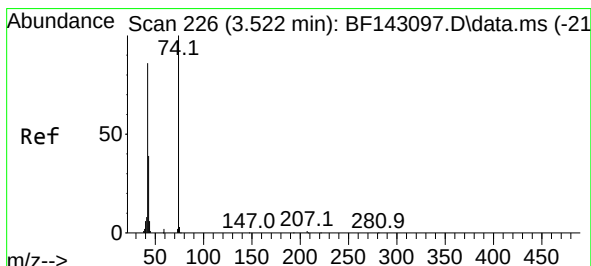
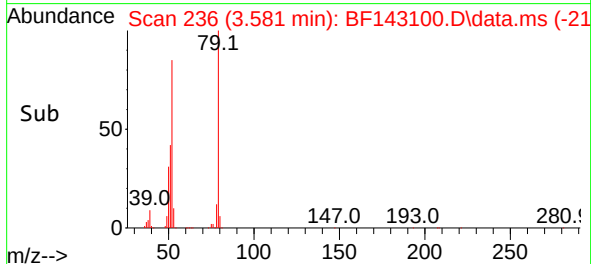
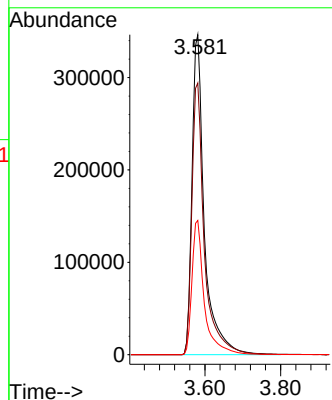
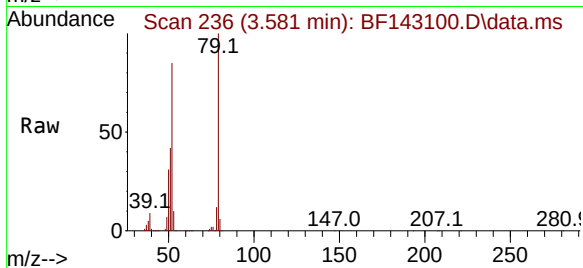




#3
Pyridine
Concen: 76.158 ng
RT: 3.581 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

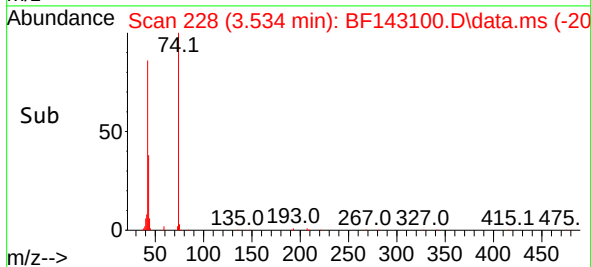
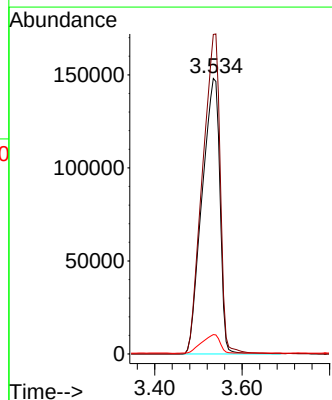
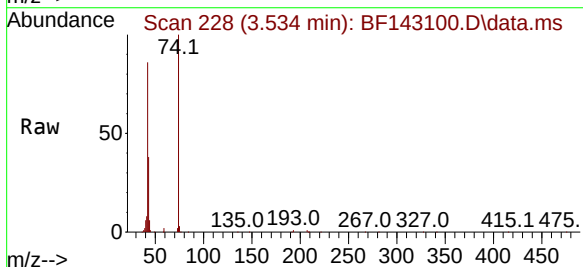
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BNA_F
ClientSampleId :
SSTDICC080

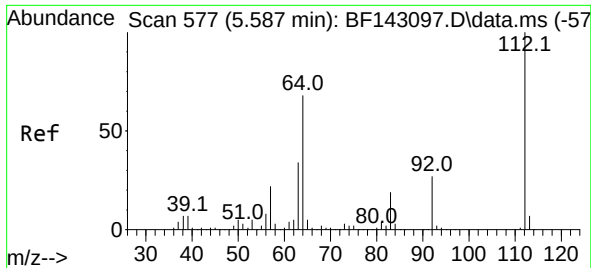
Tgt Ion: 79 Resp: 787323
Ion Ratio Lower Upper
79 100
52 84.9 69.2 103.8
51 42.0 33.3 49.9



#4
n-Nitrosodimethylamine
Concen: 78.614 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 42 Resp: 421072
Ion Ratio Lower Upper
42 100
74 115.9 92.8 139.2
44 7.0 5.8 8.6

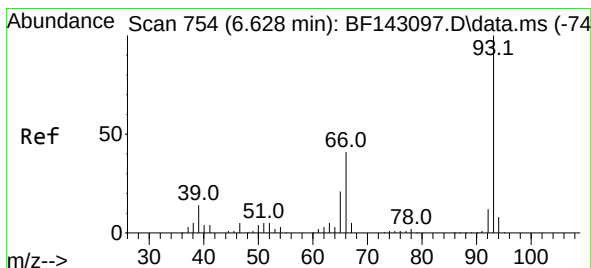
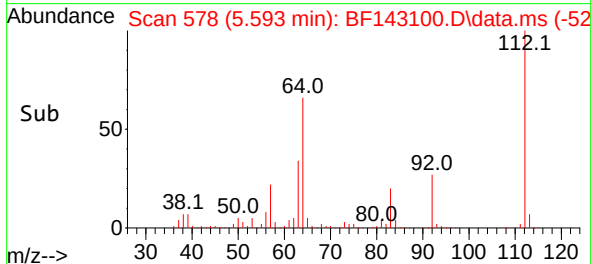
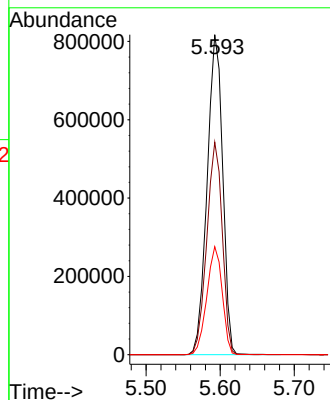
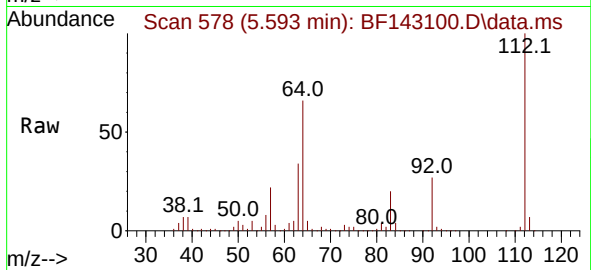




#5
2-Fluorophenol
Concen: 145.077 ng
RT: 5.593 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

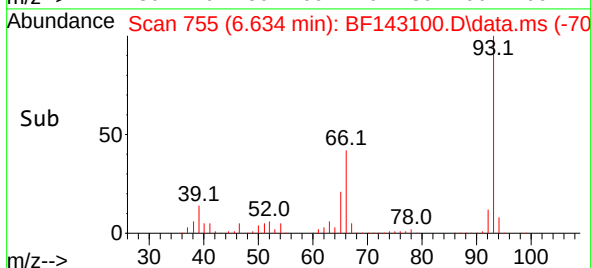
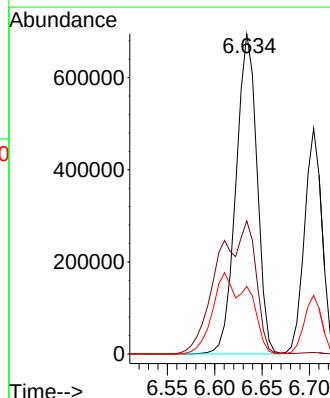
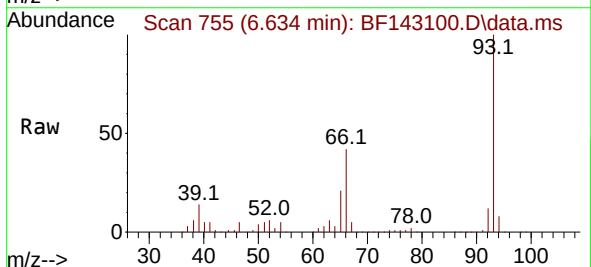
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

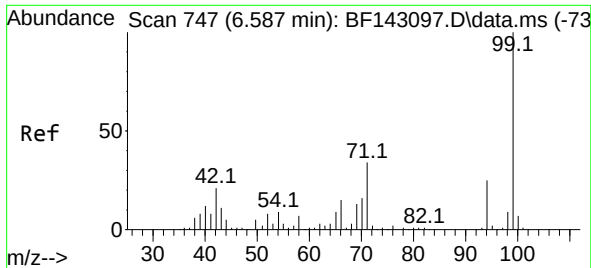
Tgt Ion:112 Resp: 1189824
Ion Ratio Lower Upper
112 100
64 66.4 54.6 82.0
63 33.7 27.3 40.9



#6
Aniline
Concen: 73.855 ng
RT: 6.634 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 93 Resp: 1072162
Ion Ratio Lower Upper
93 100
66 41.6 33.1 49.7
65 21.1 16.9 25.3

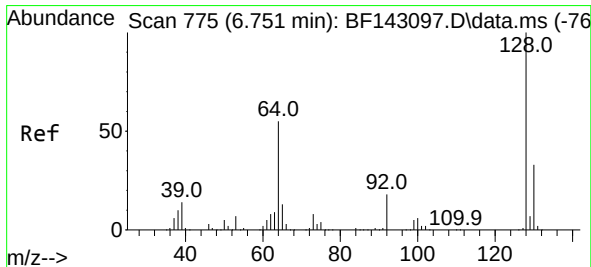
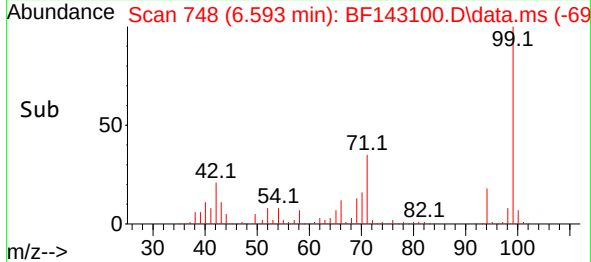
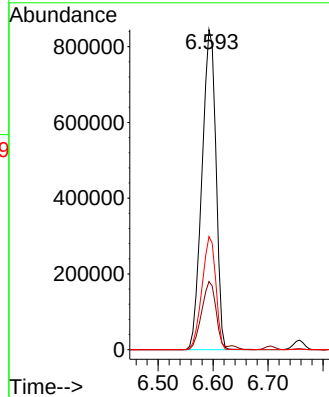
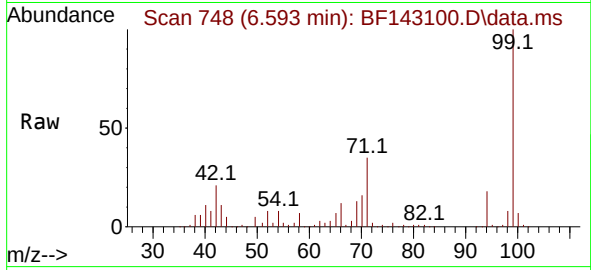




#7
Phenol-d6
Concen: 144.917 ng
RT: 6.593 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

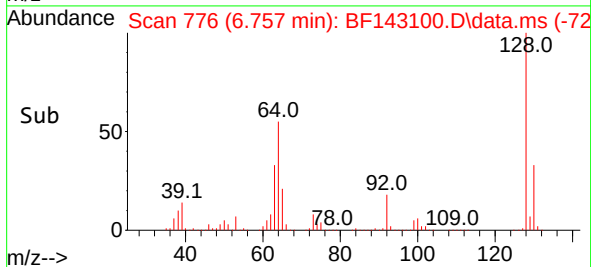
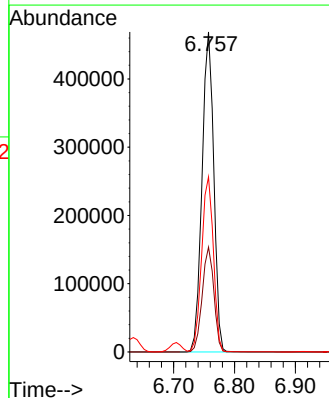
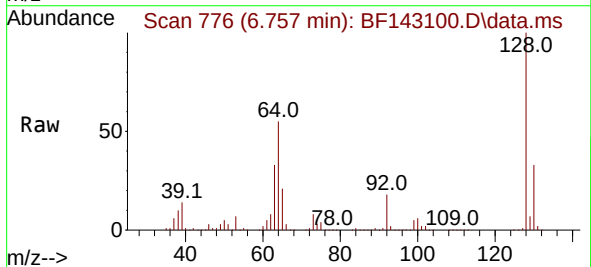
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

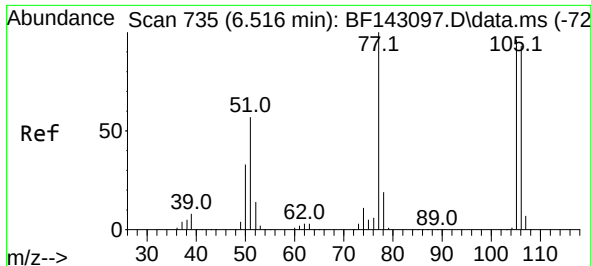
Tgt Ion: 99 Resp: 1493965
Ion Ratio Lower Upper
99 100
42 21.3 17.2 25.8
71 35.4 27.4 41.0



#8
2-Chlorophenol
Concen: 76.249 ng
RT: 6.757 min Scan# 776
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:128 Resp: 628294
Ion Ratio Lower Upper
128 100
130 32.7 12.8 52.8
64 54.7 36.1 76.1

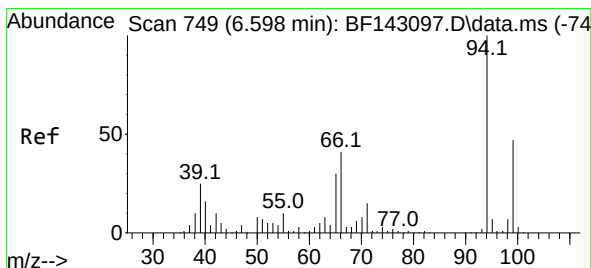
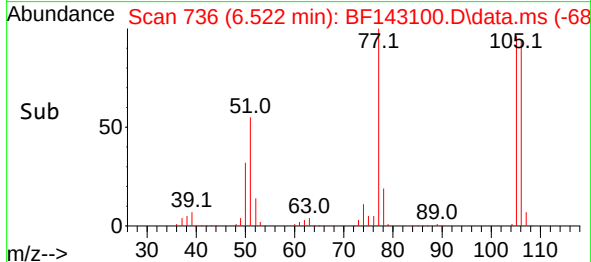
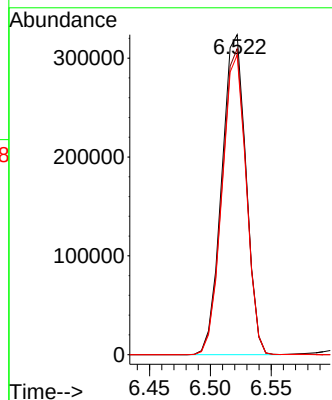
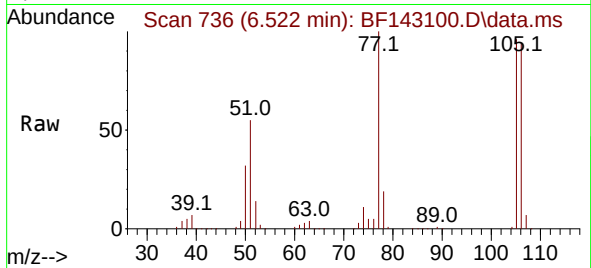




#9
Benzaldehyde
Concen: 57.014 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

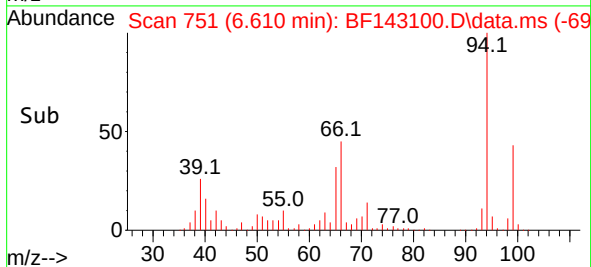
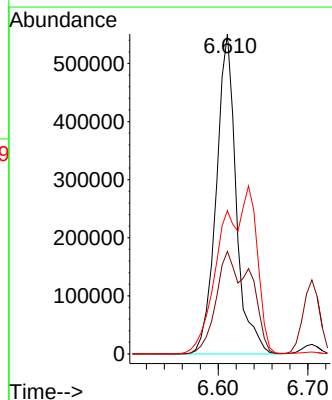
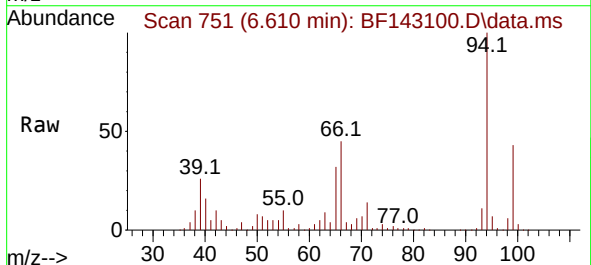
Instrument :
BNA_F
ClientSampleId :
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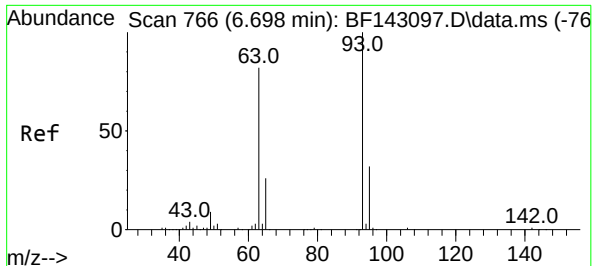
Tgt Ion: 77 Resp: 447861
Ion Ratio Lower Upper
77 100
105 95.6 76.3 116.3
106 93.6 72.8 112.8



#10
Phenol
Concen: 76.362 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 94 Resp: 852212
Ion Ratio Lower Upper
94 100
65 32.1 9.8 49.8
66 44.8 20.5 60.5

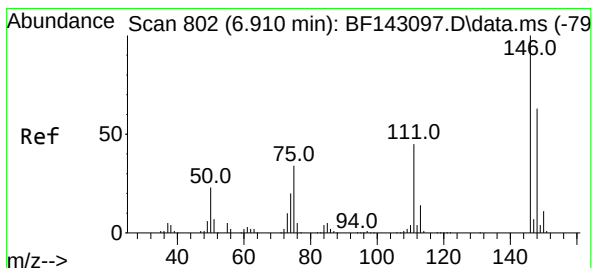
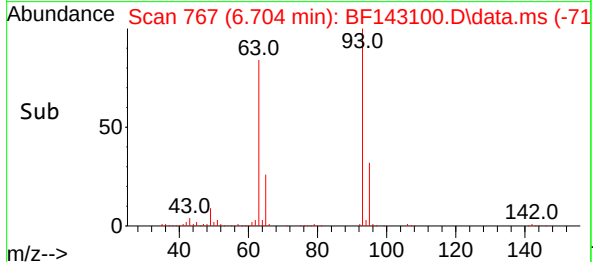
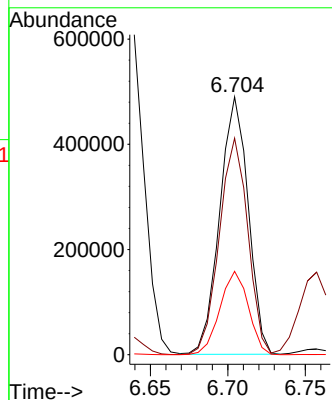
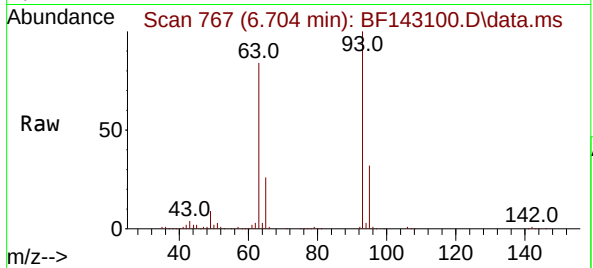




#11
bis(2-Chloroethyl)ether
Concen: 72.551 ng
RT: 6.704 min Scan# 767
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

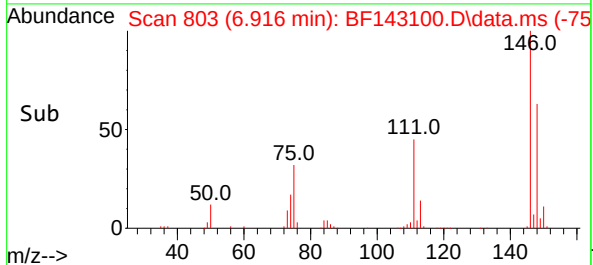
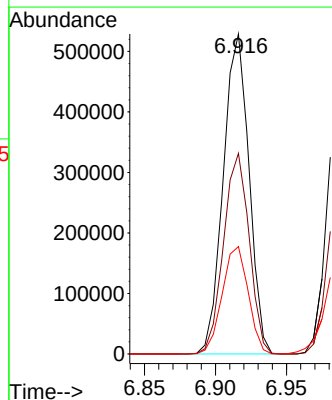
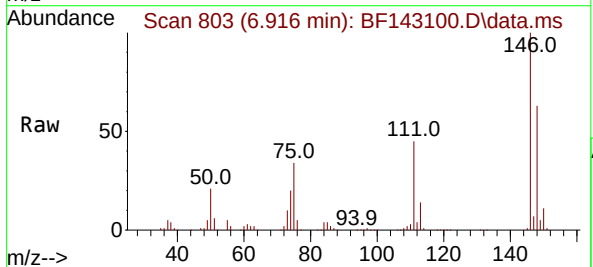
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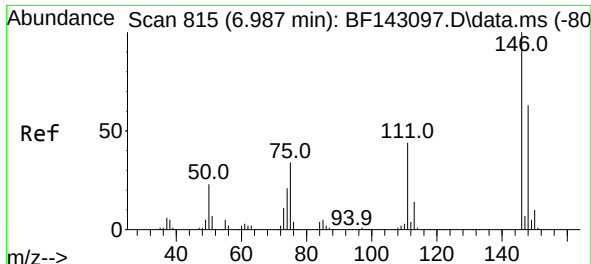
Tgt Ion: 93 Resp: 626821
Ion Ratio Lower Upper
93 100
63 84.0 61.9 101.9
95 32.3 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 71.595 ng
RT: 6.916 min Scan# 803
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:146 Resp: 666489
Ion Ratio Lower Upper
146 100
148 62.7 50.1 75.1
75 33.5 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 71.496 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

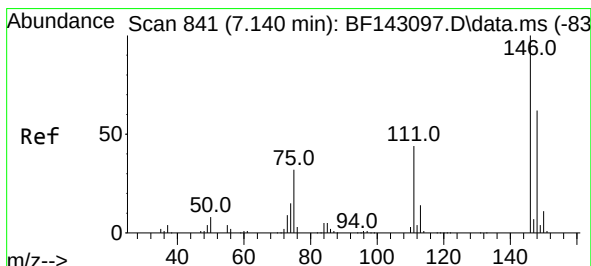
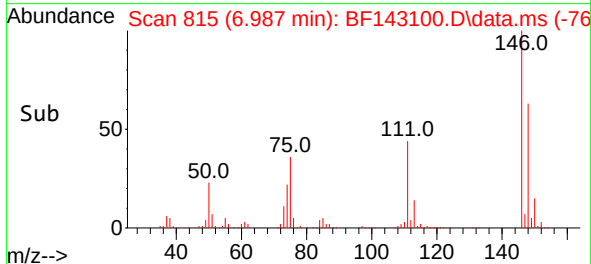
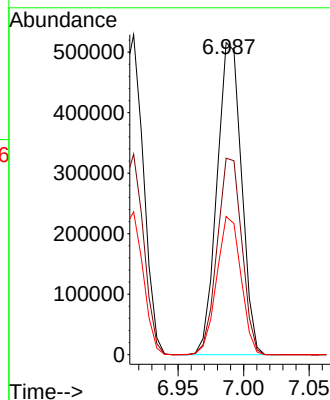
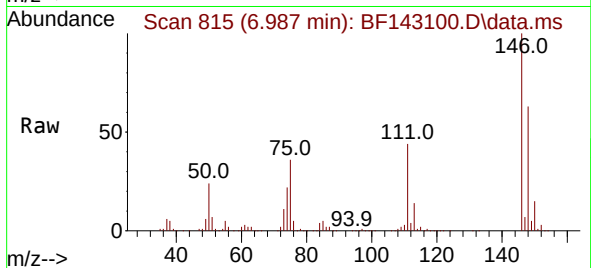
Tgt Ion:146 Resp: 669586

Ion Ratio Lower Upper

146 100

148 63.0 50.6 76.0

111 44.3 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 72.014 ng

RT: 7.145 min Scan# 842

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

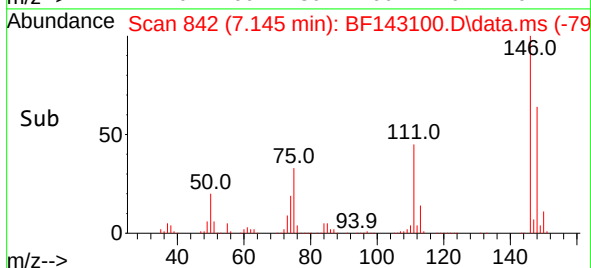
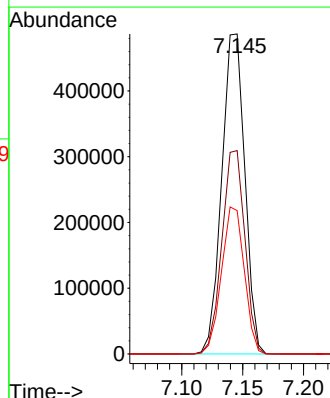
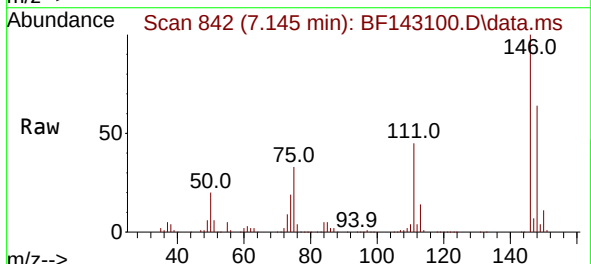
Tgt Ion:146 Resp: 643168

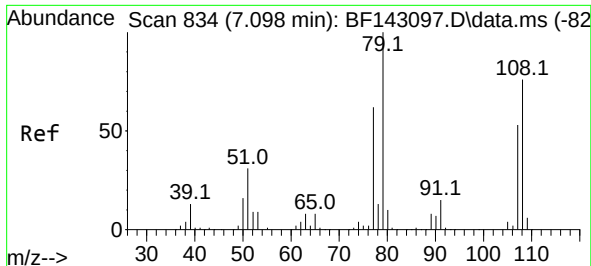
Ion Ratio Lower Upper

146 100

148 63.6 49.8 74.6

111 44.8 35.4 53.0

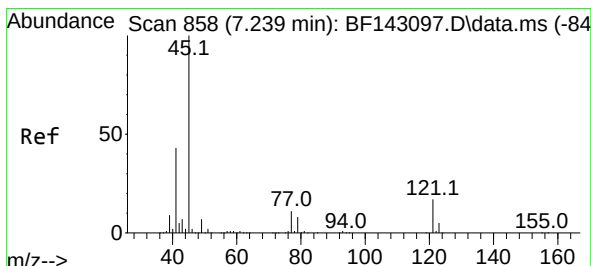
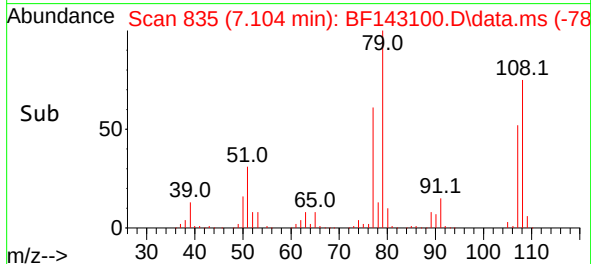
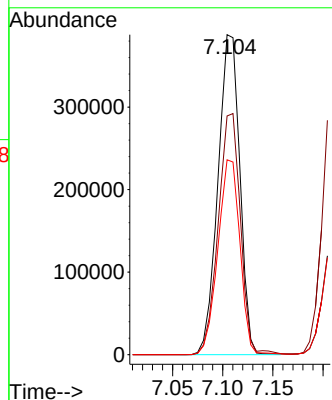
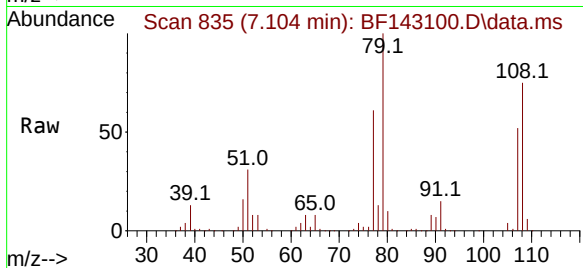




#15
Benzyl Alcohol
Concen: 76.840 ng
RT: 7.104 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

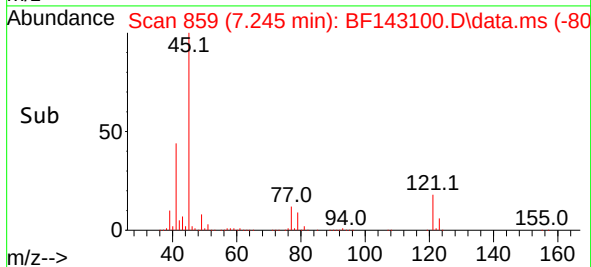
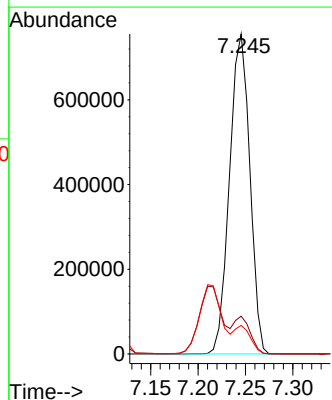
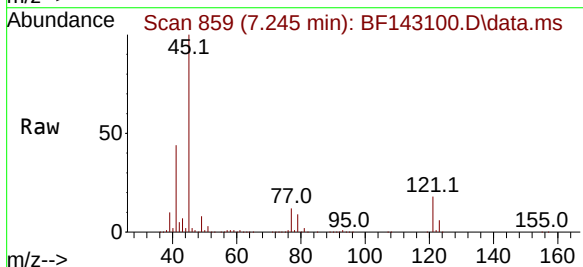
Instrument :
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ClientSampleId :
SSTDICC080

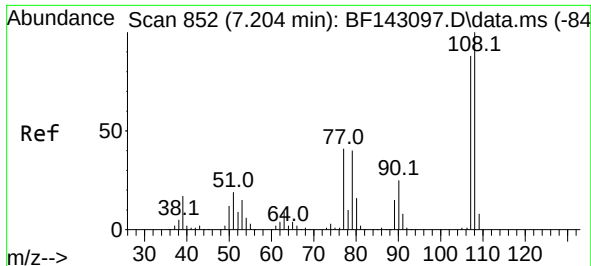
Tgt Ion: 79 Resp: 586953
Ion Ratio Lower Upper
79 100
108 74.6 61.1 91.7
77 60.9 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.661 ng
RT: 7.245 min Scan# 859
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 45 Resp: 1125357
Ion Ratio Lower Upper
45 100
77 11.8 0.0 31.1
79 8.9 0.0 28.4

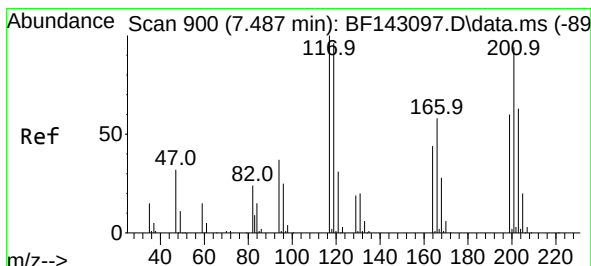
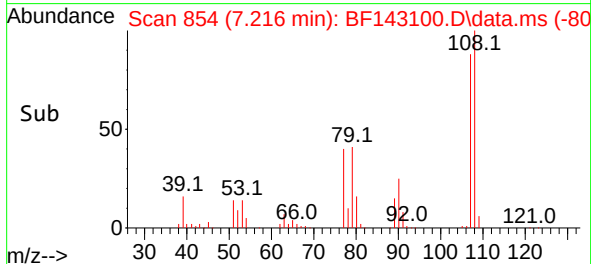
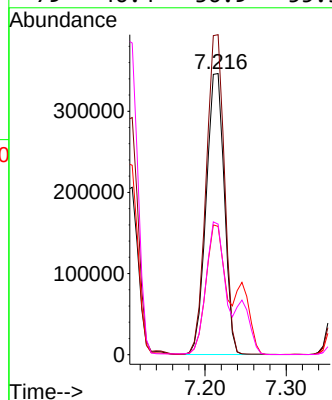
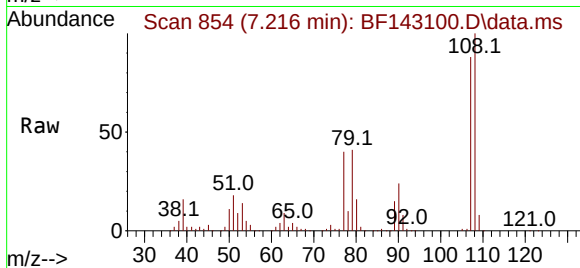




#17
2-Methylphenol
Concen: 75.438 ng
RT: 7.216 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

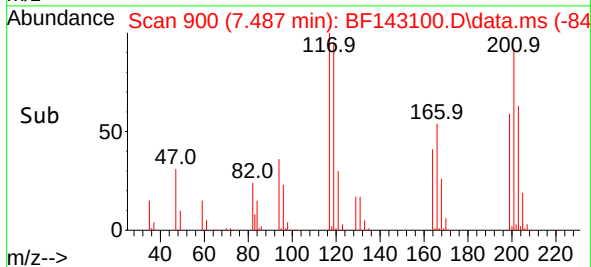
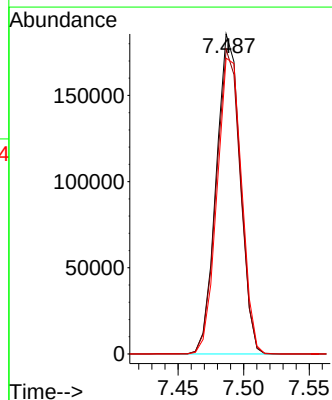
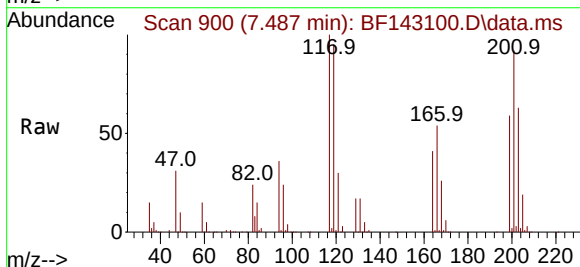
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

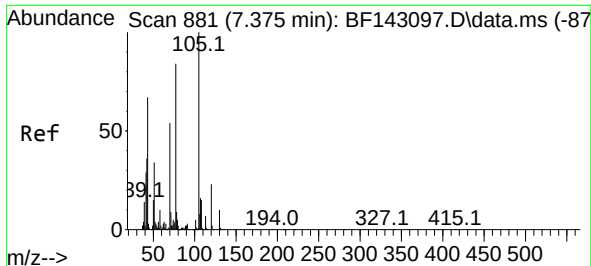
Tgt Ion:	107	Resp:	536428
Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.9	136.3
77	45.6	37.5	56.3
79	46.4	36.9	55.3



#18
Hexachloroethane
Concen: 77.313 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:	117	Resp:	235713
Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
201	92.5	75.0	112.4

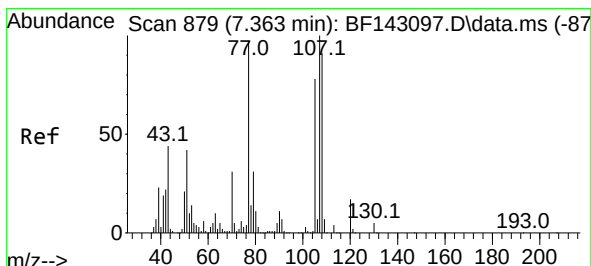
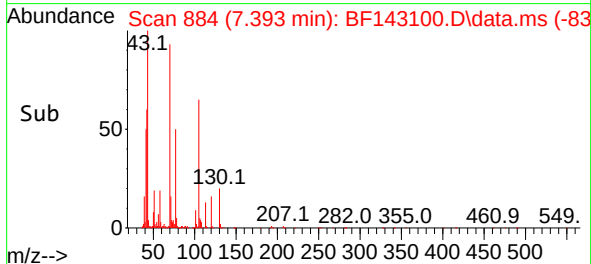
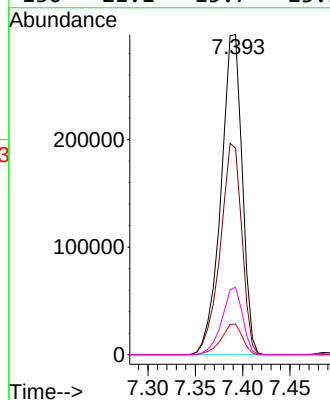
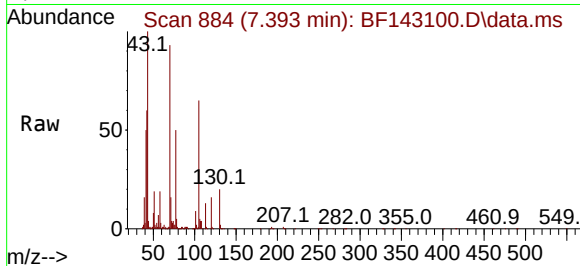




#19
n-Nitroso-di-n-propylamine
Concen: 73.578 ng
RT: 7.393 min Scan# 81
Delta R.T. 0.018 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

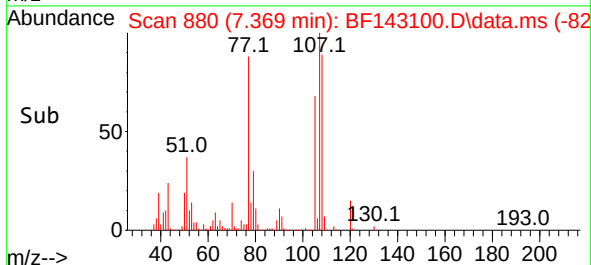
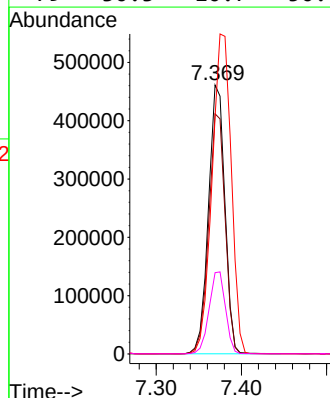
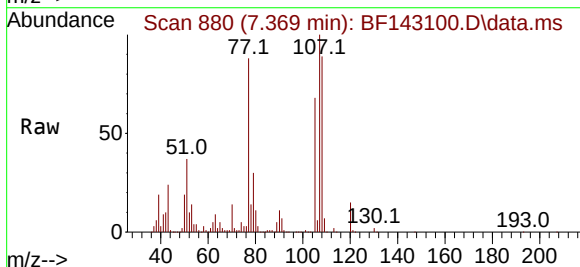
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

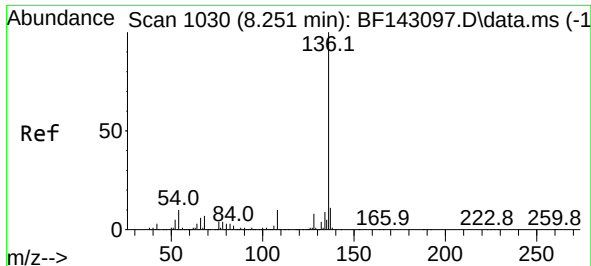
Tgt Ion: 70 Resp: 464705
Ion Ratio Lower Upper
70 100
42 64.5 53.2 79.8
101 9.6 7.5 11.3
130 21.1 15.7 23.5



#20
3+4-Methylphenols
Concen: 70.670 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 107 Resp: 616275
Ion Ratio Lower Upper
107 100
108 89.3 71.3 111.3
77 88.3 77.2 117.2
79 30.3 10.7 50.7



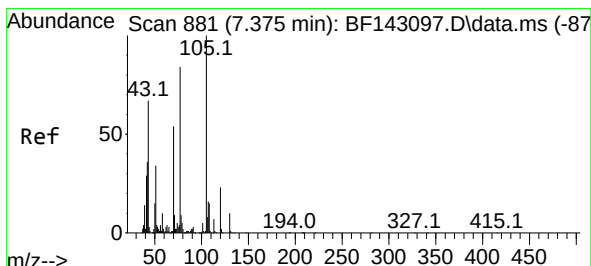
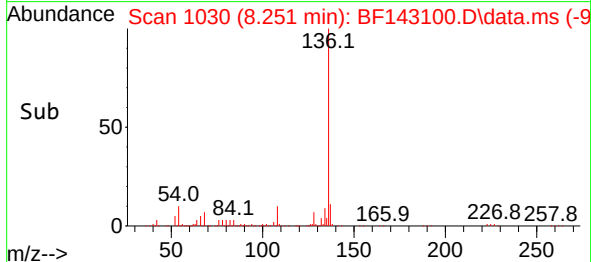
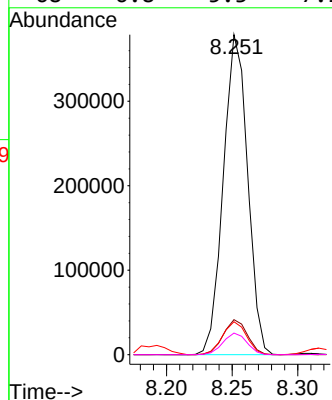
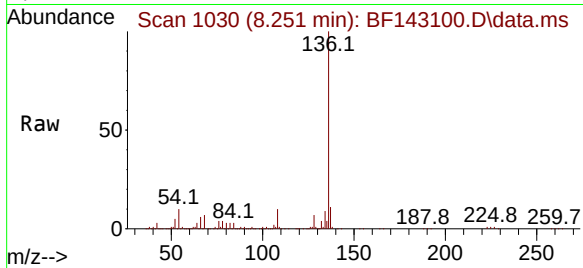


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 487361

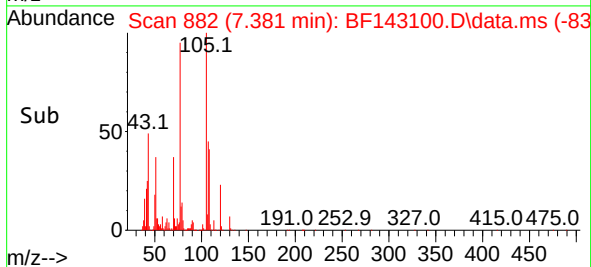
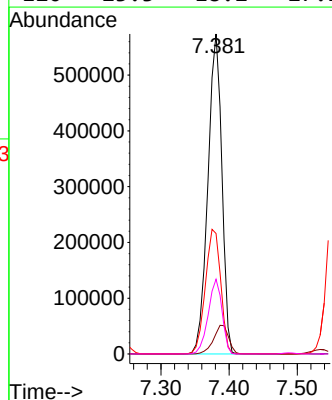
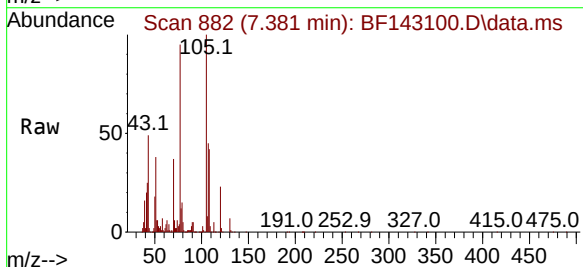
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.3	8.3	12.5
68	6.8	5.3	7.9

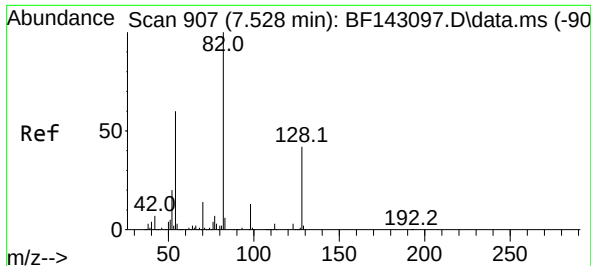


#22
Acetophenone
Concen: 69.563 ng
RT: 7.381 min Scan# 882
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:105 Resp: 817243

Ion	Ratio	Lower	Upper
105	100		
71	6.4	7.2	10.8#
51	37.7	27.0	40.4
120	23.3	18.2	27.2





#23

Nitrobenzene-d5

Concen: 165.933 ng

RT: 7.534 min Scan# 908

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

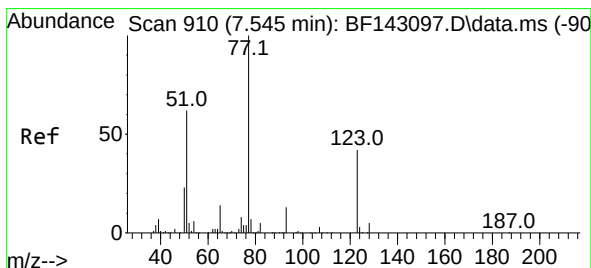
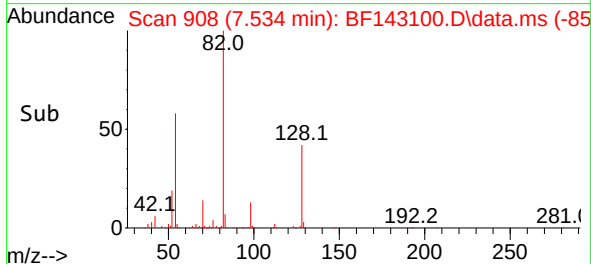
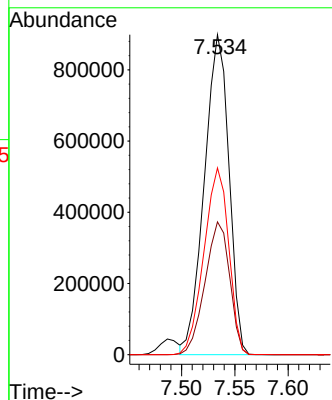
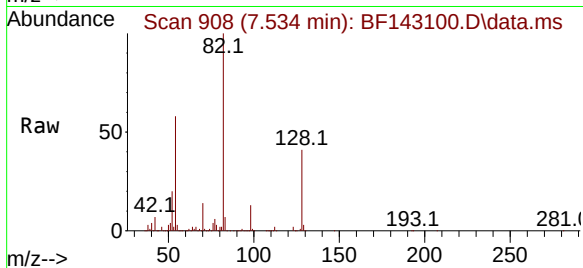
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1441614

Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.3	49.9
54	58.4	47.4	71.2



#24

Nitrobenzene

Concen: 80.671 ng

RT: 7.551 min Scan# 911

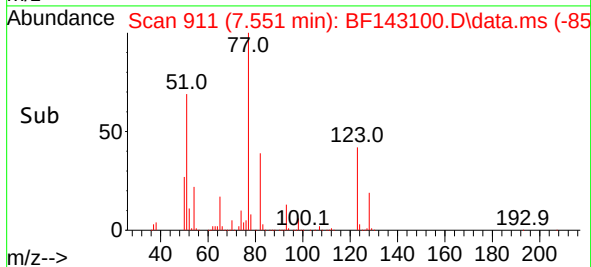
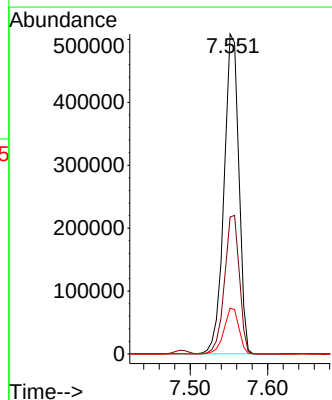
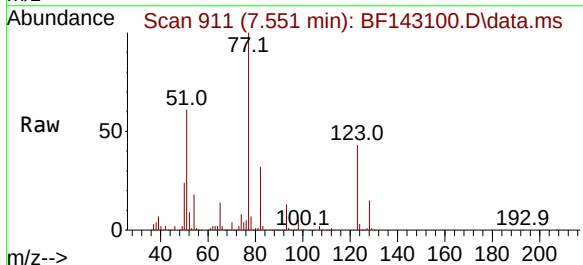
Delta R.T. 0.006 min

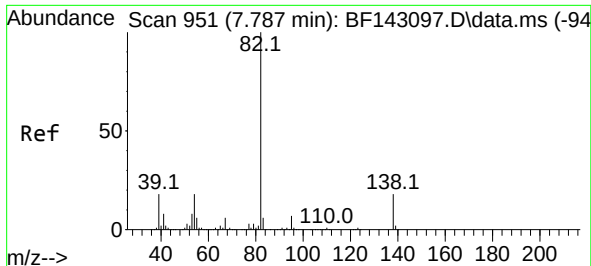
Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Tgt Ion: 77 Resp: 676569

Ion	Ratio	Lower	Upper
77	100		
123	42.8	34.5	51.7
65	14.3	11.3	16.9

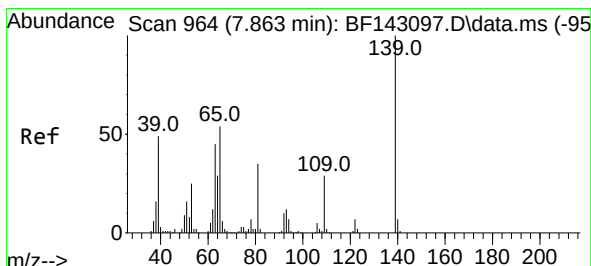
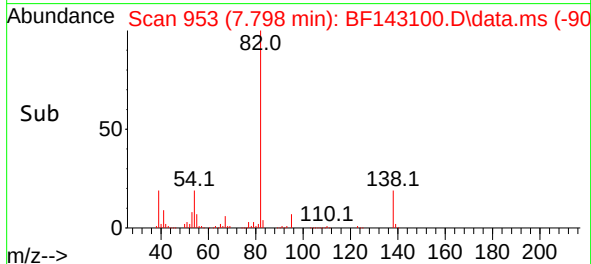
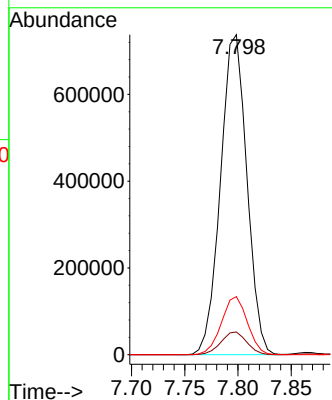
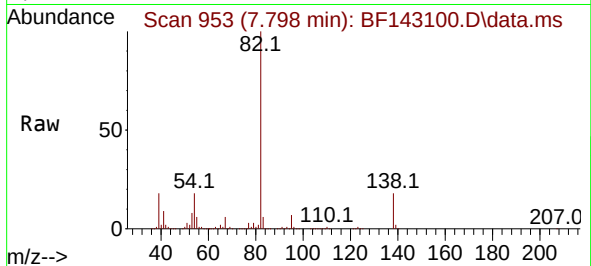




#25
Isophorone
Concen: 75.573 ng
RT: 7.798 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

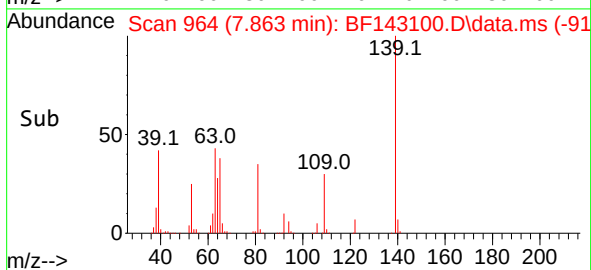
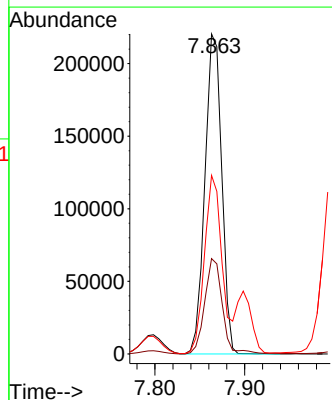
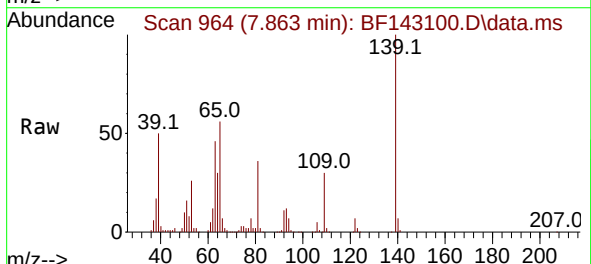
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

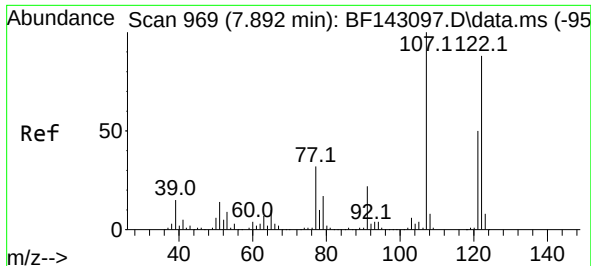
Tgt Ion: 82 Resp: 1269015
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 18.2 14.3 21.5



#26
2-Nitrophenol
Concen: 82.598 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:139 Resp: 287169
Ion Ratio Lower Upper
139 100
109 29.8 23.4 35.0
65 55.8 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 74.683 ng

RT: 7.898 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

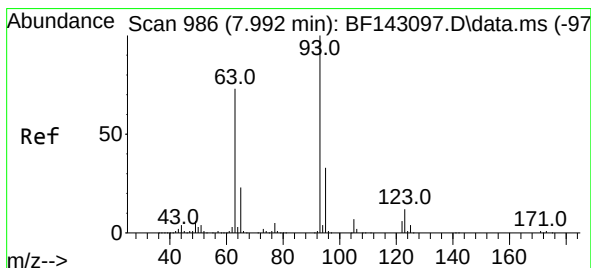
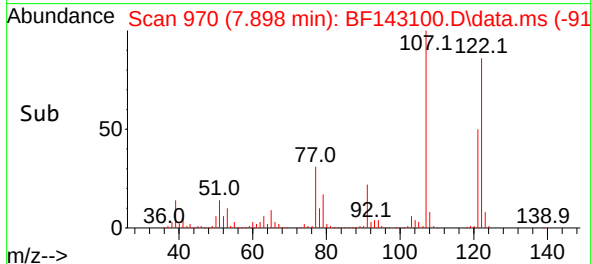
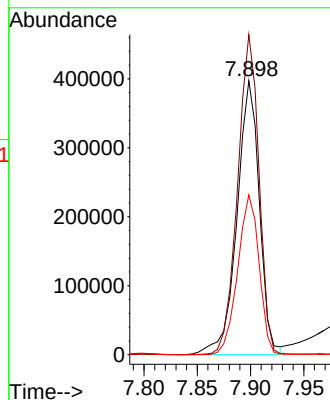
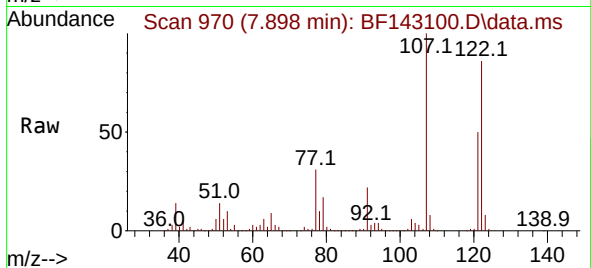
Tgt Ion:122 Resp: 582059

Ion Ratio Lower Upper

122 100

107 116.8 91.3 136.9

121 58.4 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 71.885 ng

RT: 7.998 min Scan# 987

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

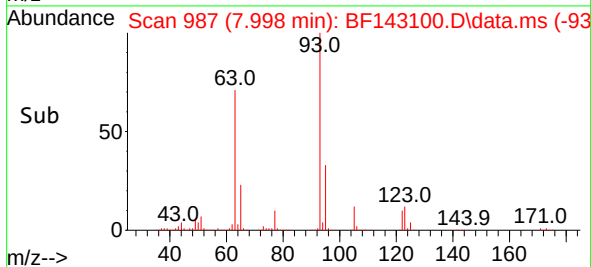
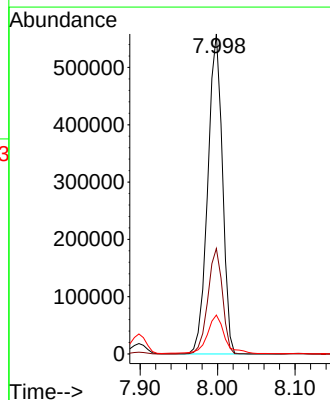
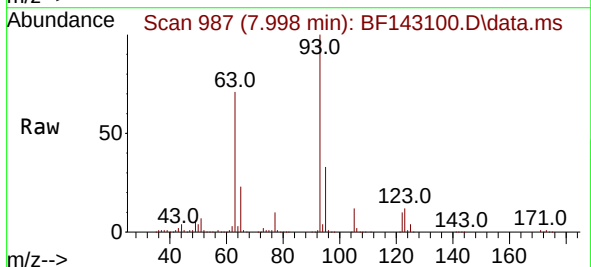
Tgt Ion: 93 Resp: 731977

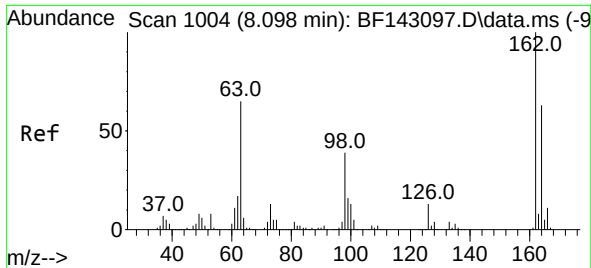
Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.4

123 12.1 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 77.795 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

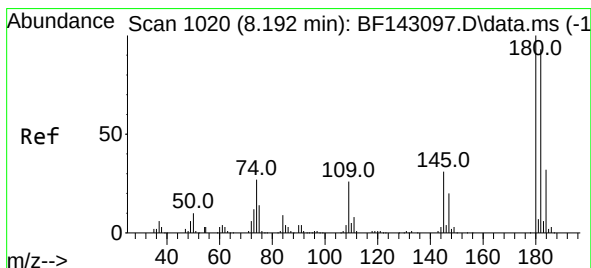
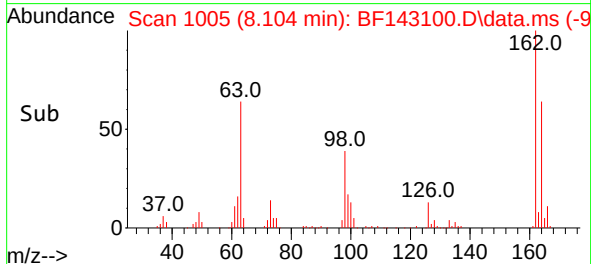
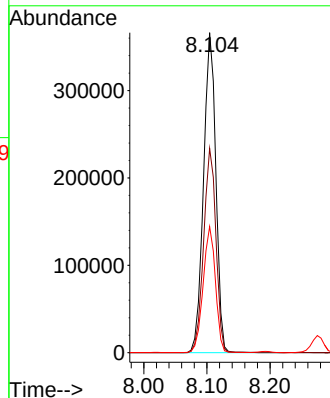
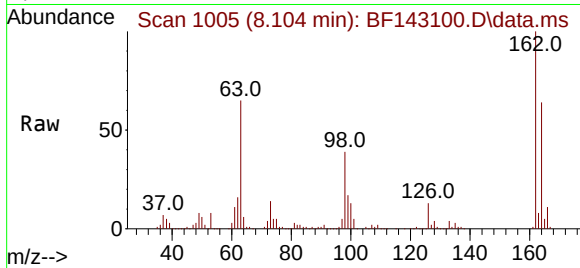
Tgt Ion:162 Resp: 496027

Ion Ratio Lower Upper

162 100

164 63.9 43.1 83.1

98 39.4 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 71.974 ng

RT: 8.192 min Scan# 1020

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

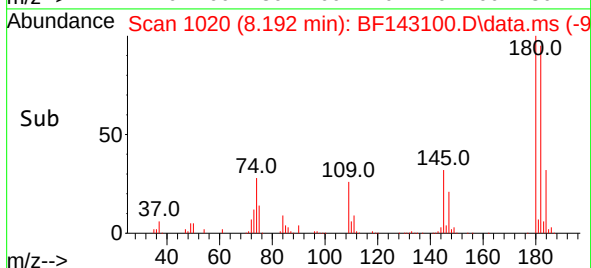
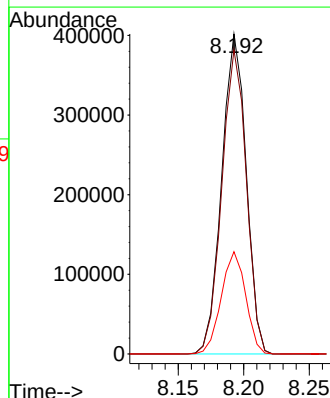
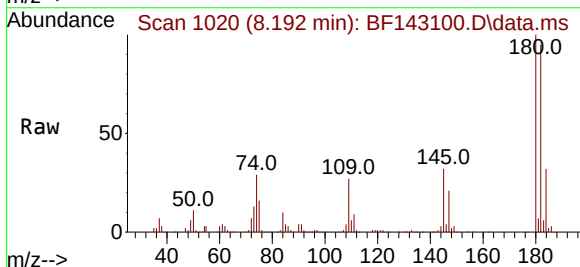
Tgt Ion:180 Resp: 520808

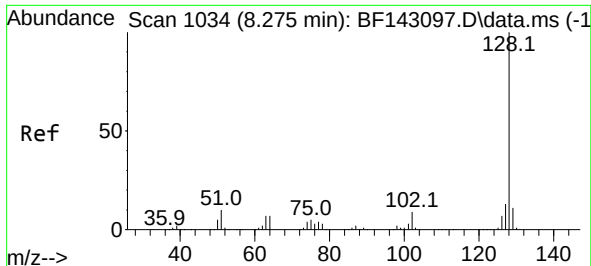
Ion Ratio Lower Upper

180 100

182 95.0 74.7 112.1

145 32.0 24.5 36.7

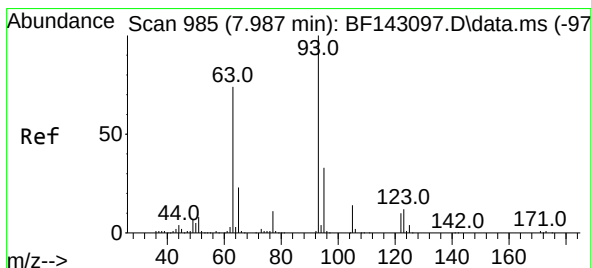
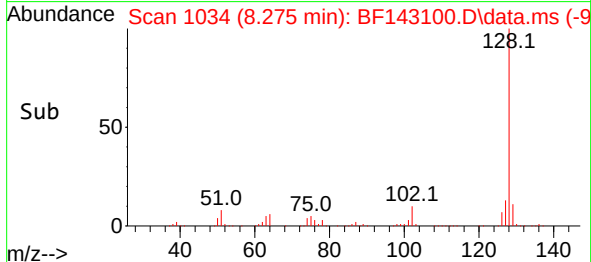
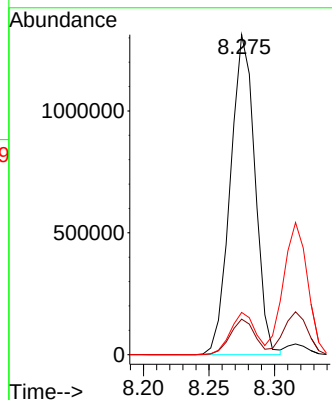
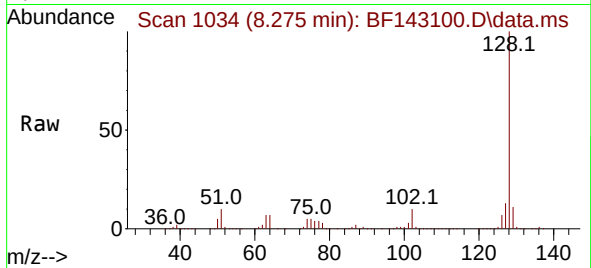




#31
Naphthalene
Concen: 70.704 ng
RT: 8.275 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

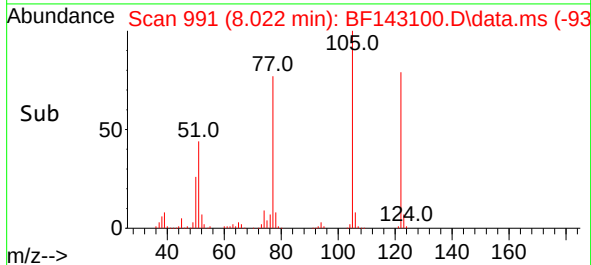
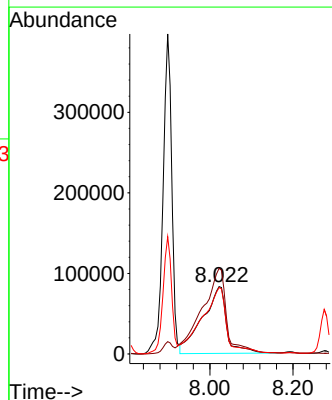
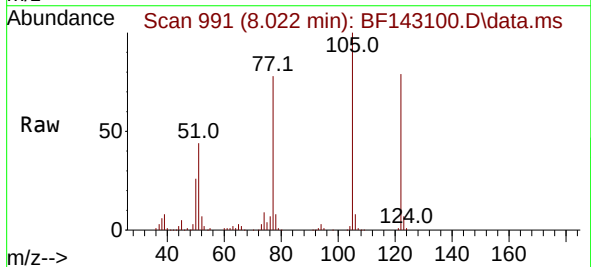
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

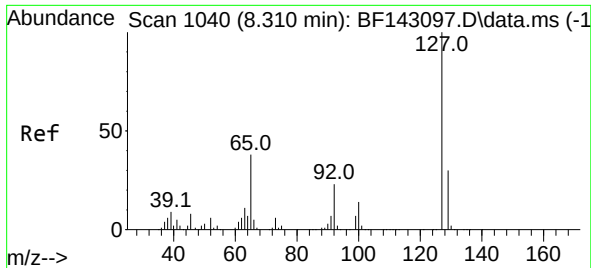
Tgt Ion:128 Resp: 1711163
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.5 15.7



#32
Benzoic acid
Concen: 81.374 ng
RT: 8.022 min Scan# 991
Delta R.T. 0.035 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:122 Resp: 336178
Ion Ratio Lower Upper
122 100
105 127.0 105.4 145.4
77 98.6 78.6 118.6

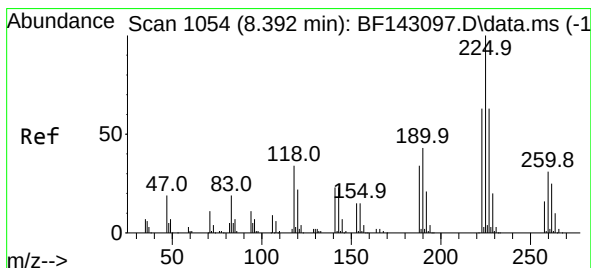
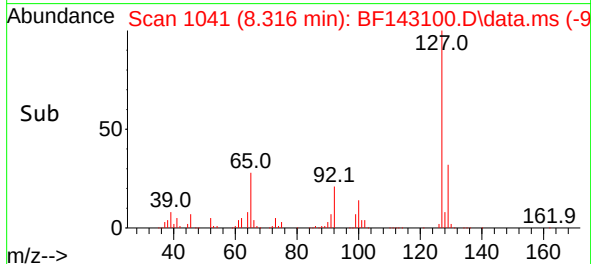
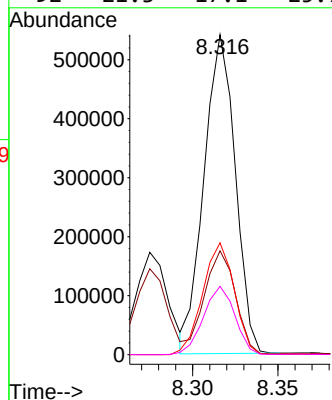
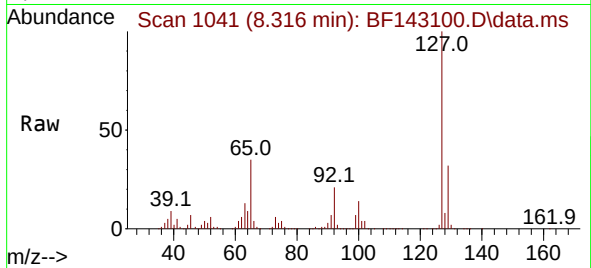




#33
4-Chloroaniline
Concen: 70.795 ng
RT: 8.316 min Scan# 1040
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

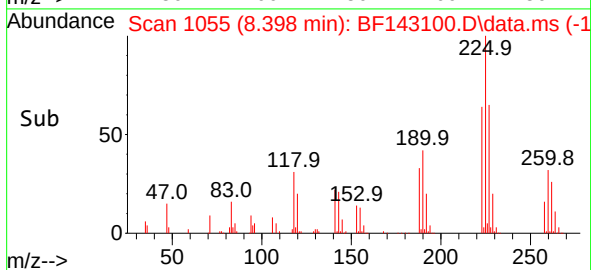
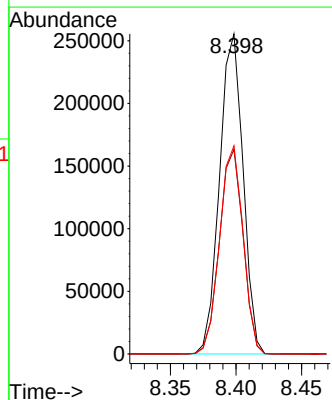
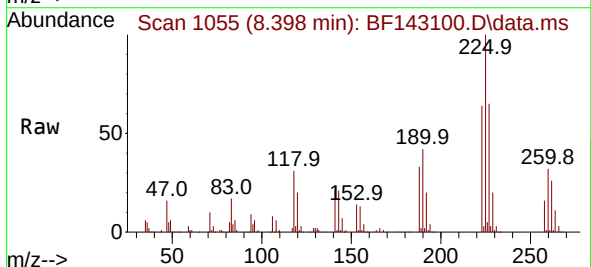
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

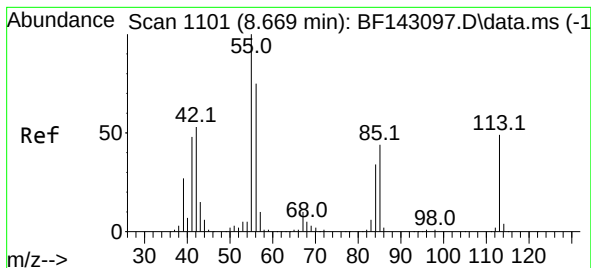
Tgt Ion:	127	Resp:	688999
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	35.0	28.6	42.8
92	21.3	17.1	25.7



#34
Hexachlorobutadiene
Concen: 73.546 ng
RT: 8.398 min Scan# 1055
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:	225	Resp:	318274
Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.3	75.5
227	65.0	50.1	75.1





#35

Caprolactam

Concen: 81.097 ng

RT: 8.698 min Scan# 1106

Delta R.T. 0.030 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

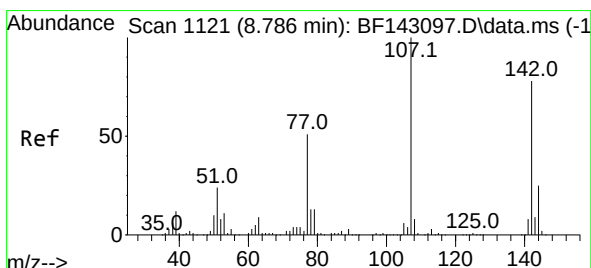
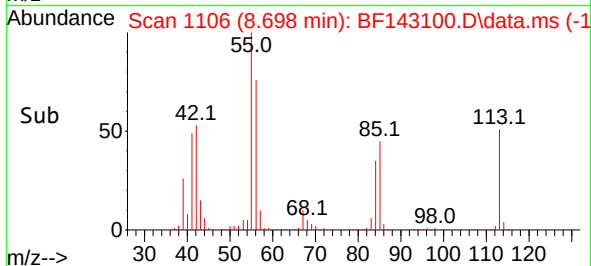
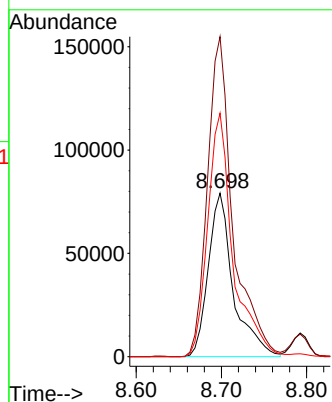
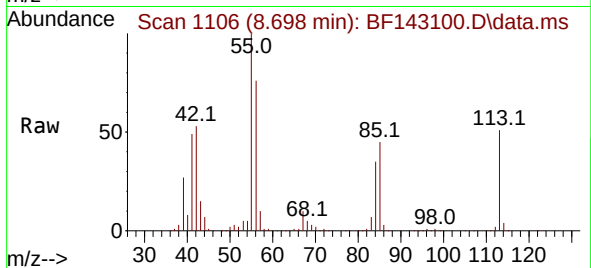
Tgt Ion:113 Resp: 161466

Ion Ratio Lower Upper

113 100

55 195.6 186.2 226.2

56 148.8 134.1 174.1



#36

4-Chloro-3-methylphenol

Concen: 75.937 ng

RT: 8.792 min Scan# 1122

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

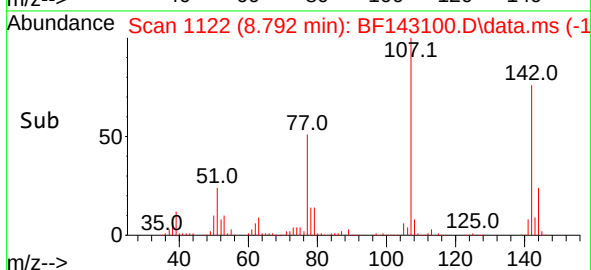
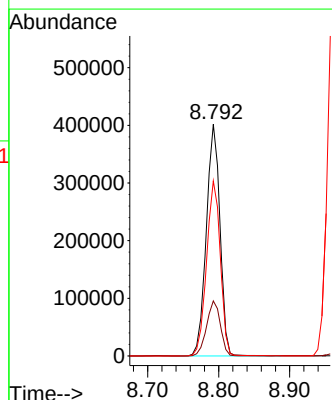
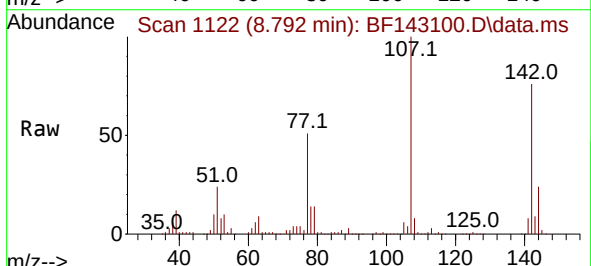
Tgt Ion:107 Resp: 539340

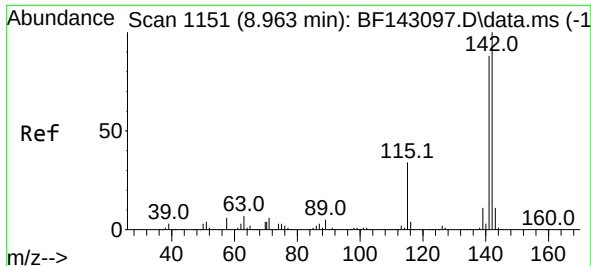
Ion Ratio Lower Upper

107 100

144 23.8 20.2 30.2

142 75.5 62.4 93.6





#37

2-Methylnaphthalene

Concen: 70.738 ng

RT: 8.963 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

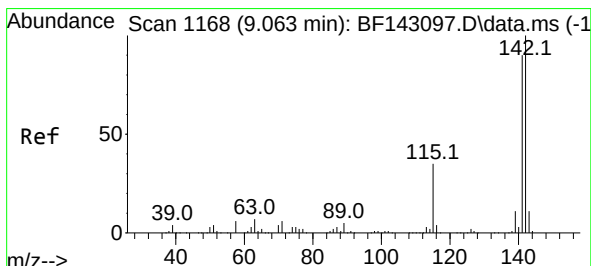
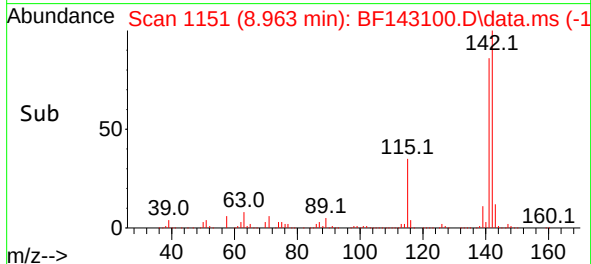
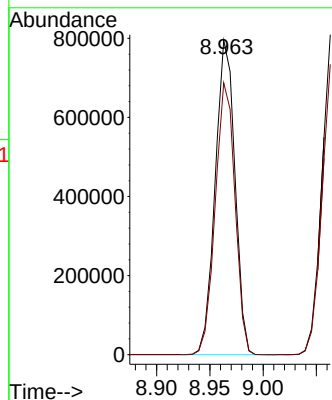
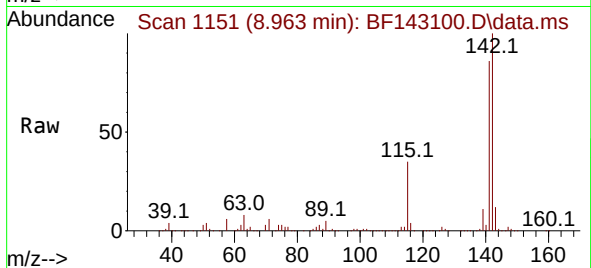
SSTDICC080

Tgt Ion:142 Resp: 1021312

Ion Ratio Lower Upper

142 100

141 86.4 70.2 105.2



#38

1-Methylnaphthalene

Concen: 69.955 ng

RT: 9.063 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BF143100.D

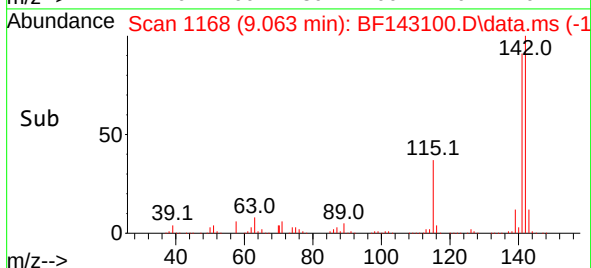
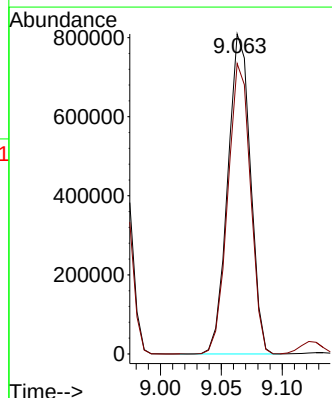
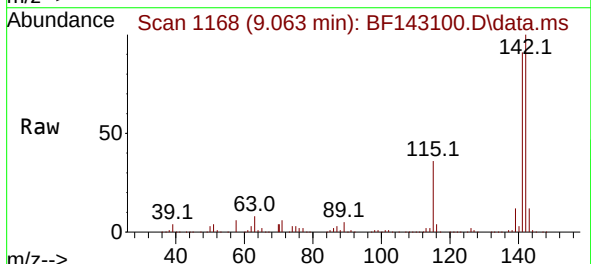
Acq: 15 Jul 2025 16:35

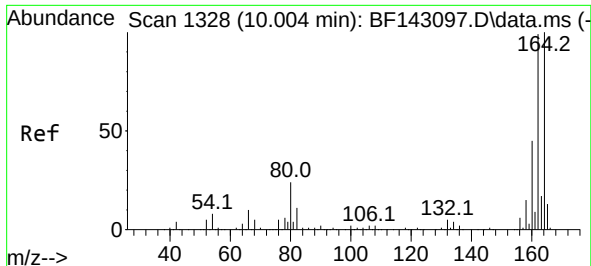
Tgt Ion:142 Resp: 1047560

Ion Ratio Lower Upper

142 100

141 90.7 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

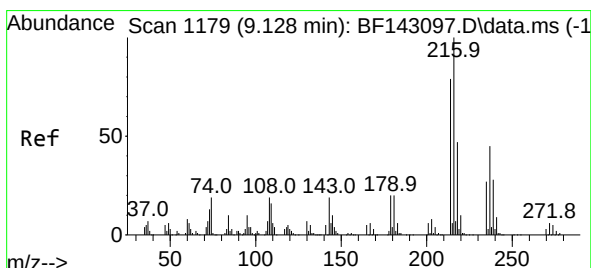
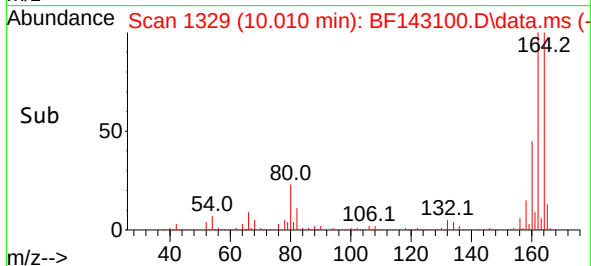
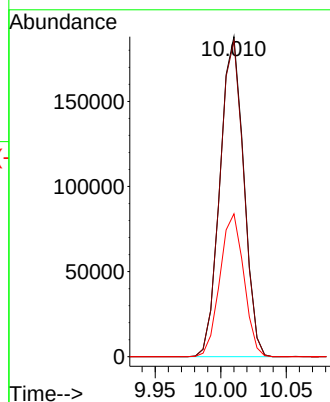
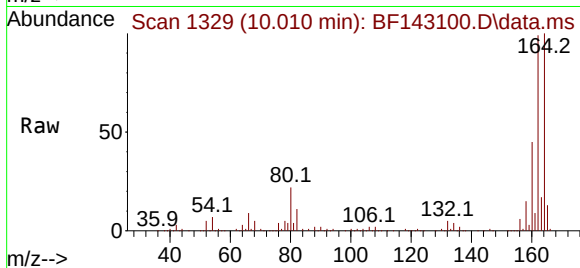
Tgt Ion:164 Resp: 236260

Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.6

160 44.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 71.639 ng

RT: 9.134 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Tgt Ion:216 Resp: 493246

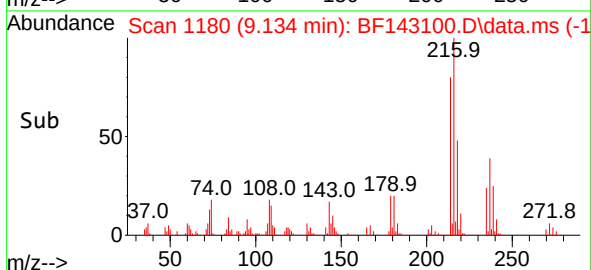
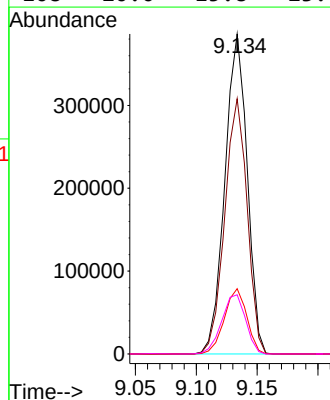
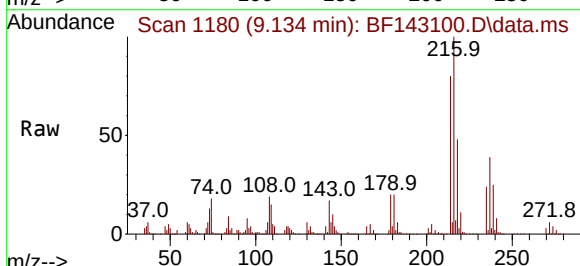
Ion Ratio Lower Upper

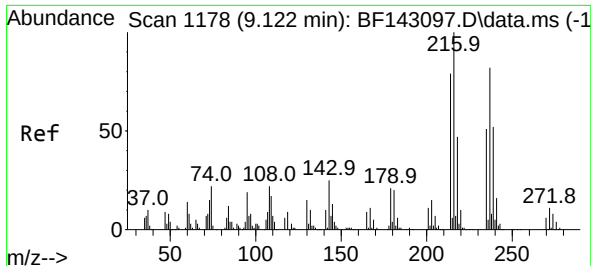
216 100

214 79.8 62.6 94.0

179 20.5 16.2 24.2

108 20.0 15.8 23.6

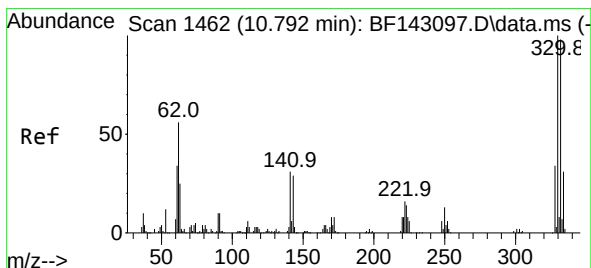
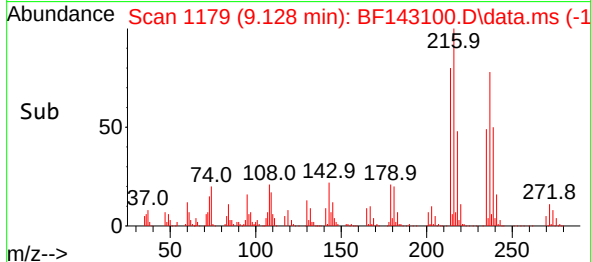
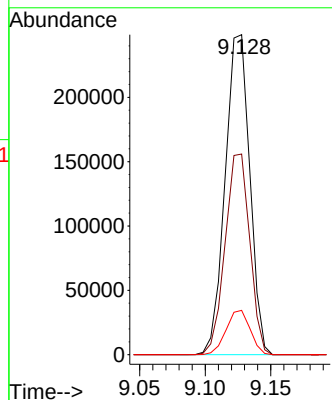
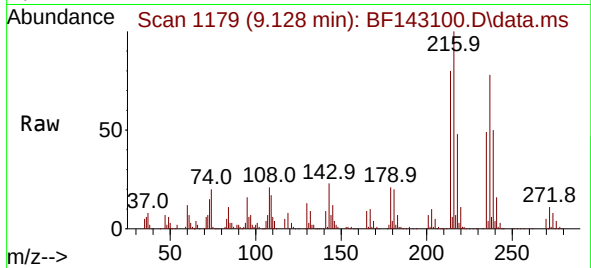




#41
Hexachlorocyclopentadiene
Concen: 85.103 ng
RT: 9.128 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

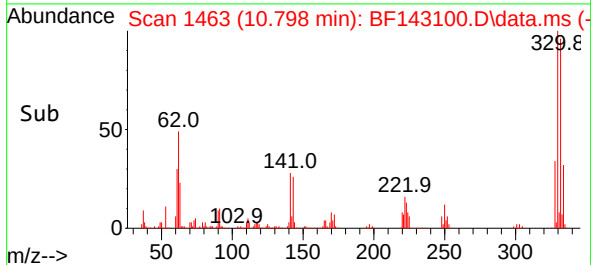
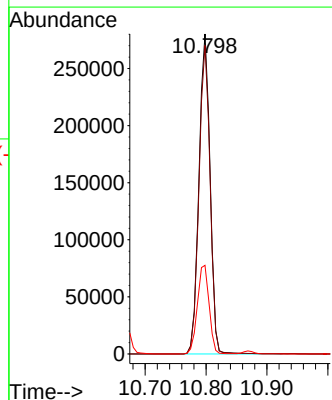
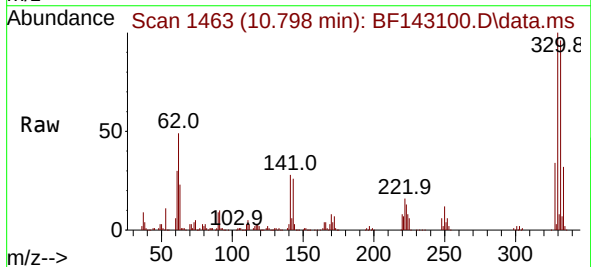
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

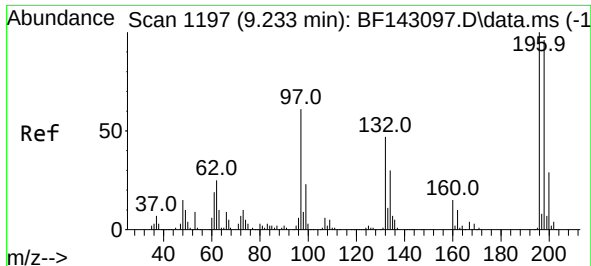
Tgt Ion:237 Resp: 324865
Ion Ratio Lower Upper
237 100
235 62.7 41.6 81.6
272 13.8 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 168.911 ng
RT: 10.798 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:330 Resp: 355830
Ion Ratio Lower Upper
330 100
332 96.3 77.9 116.9
141 29.2 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 83.176 ng

RT: 9.239 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

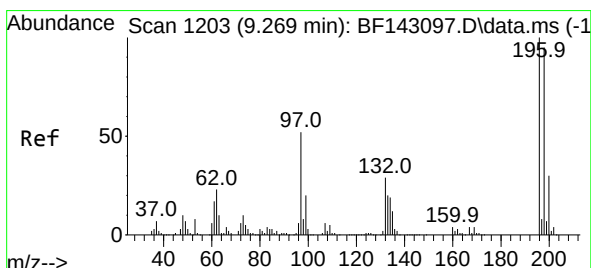
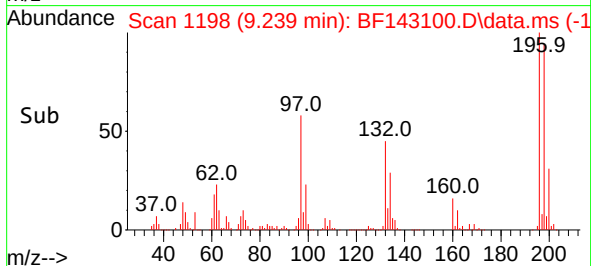
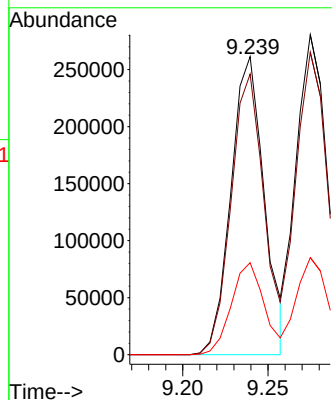
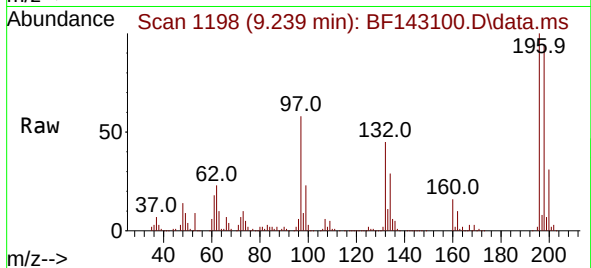
Tgt Ion:196 Resp: 355839

Ion Ratio Lower Upper

196 100

198 94.1 76.9 115.3

200 30.9 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 79.651 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Tgt Ion:196 Resp: 357298

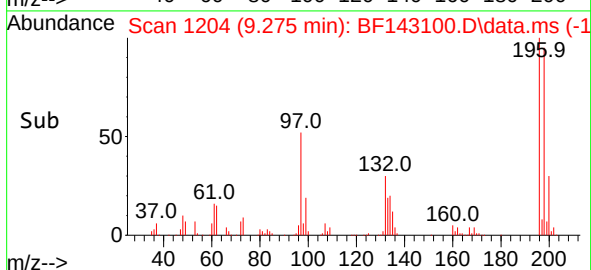
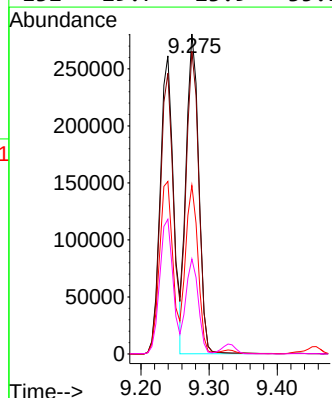
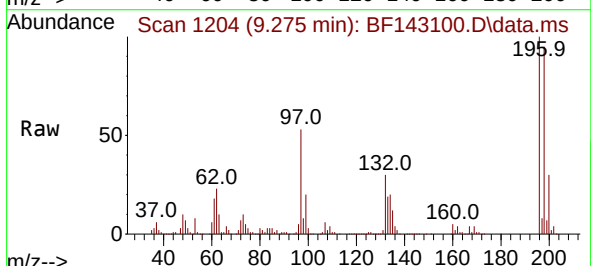
Ion Ratio Lower Upper

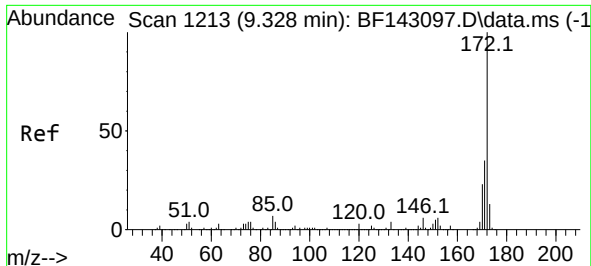
196 100

198 94.5 76.4 114.6

97 52.7 42.4 63.6

132 29.7 23.9 35.9

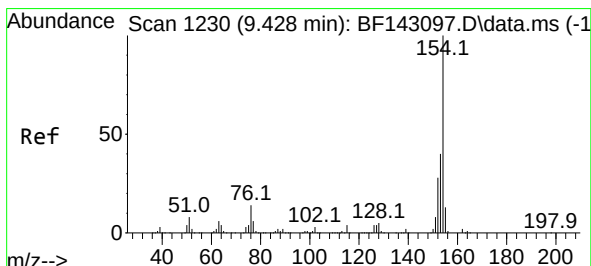
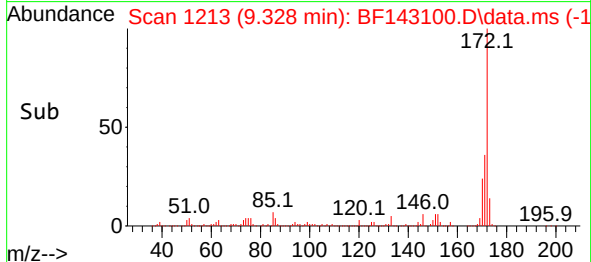
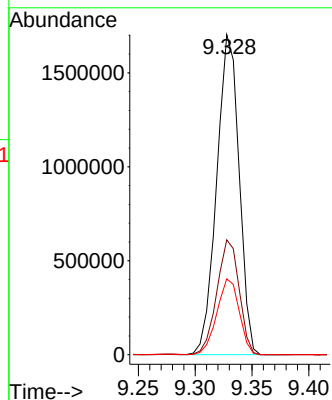
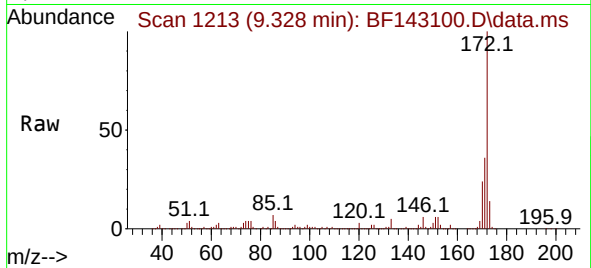




#45
2-Fluorobiphenyl
Concen: 131.609 ng
RT: 9.328 min Scan# 1213
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

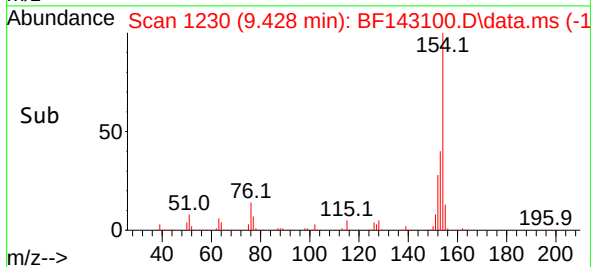
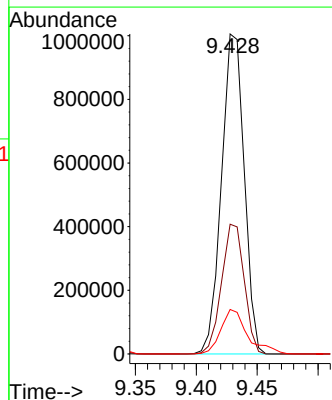
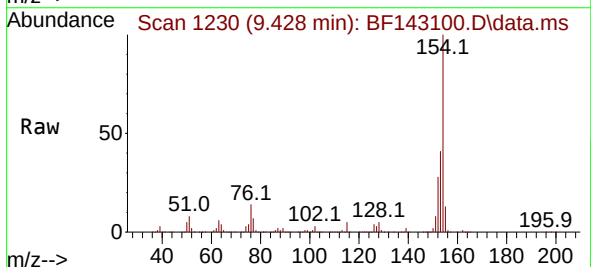
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

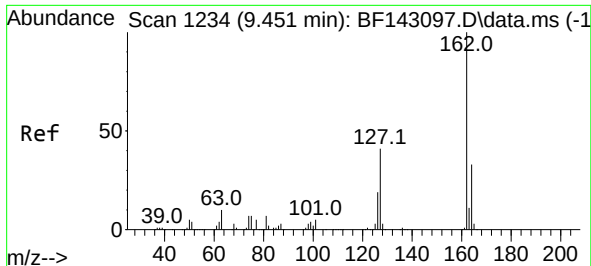
Tgt Ion:172 Resp: 2339151
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.4
170 23.7 18.6 28.0



#46
1,1'-Biphenyl
Concen: 69.419 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:154 Resp: 1307947
Ion Ratio Lower Upper
154 100
153 40.6 20.1 60.1
76 13.9 0.0 33.7





#47

2-Chloronaphthalene

Concen: 71.557 ng

RT: 9.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

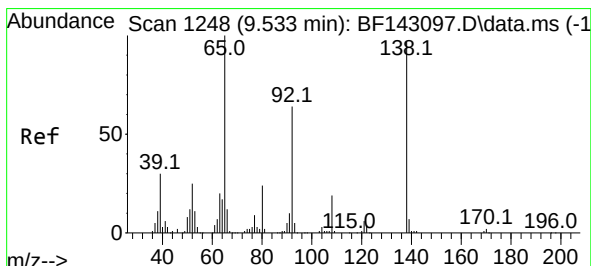
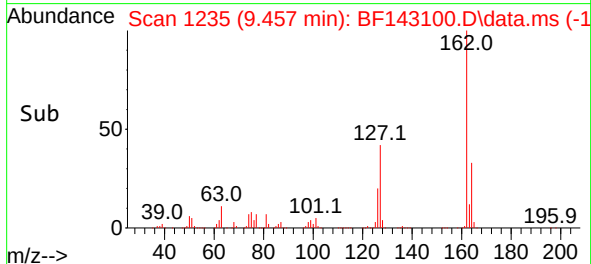
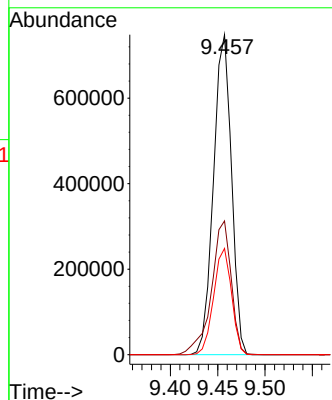
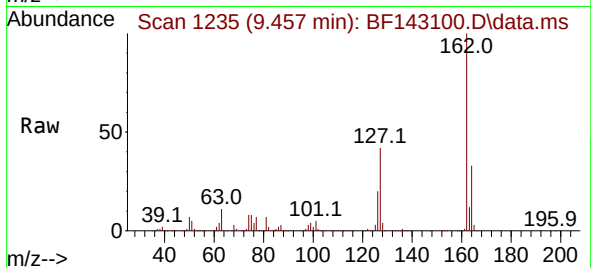
Tgt Ion:162 Resp: 990436

Ion Ratio Lower Upper

162 100

127 41.8 33.0 49.6

164 33.2 26.1 39.1



#48

2-Nitroaniline

Concen: 79.074 ng

RT: 9.539 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

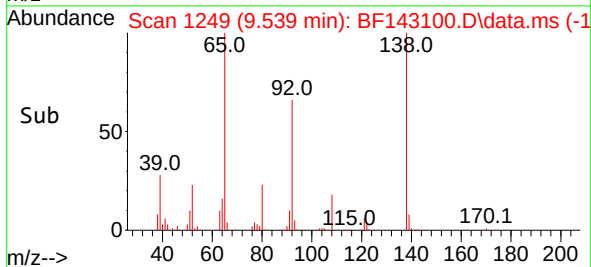
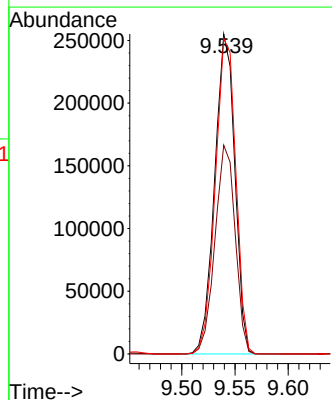
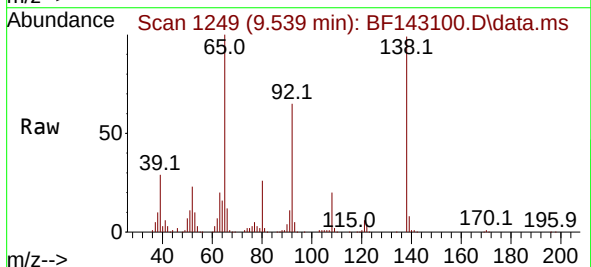
Tgt Ion: 65 Resp: 335875

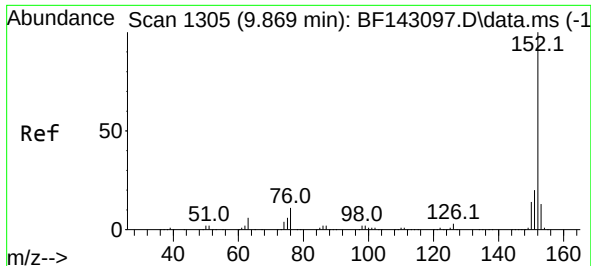
Ion Ratio Lower Upper

65 100

92 65.2 51.3 76.9

138 98.6 77.8 116.6

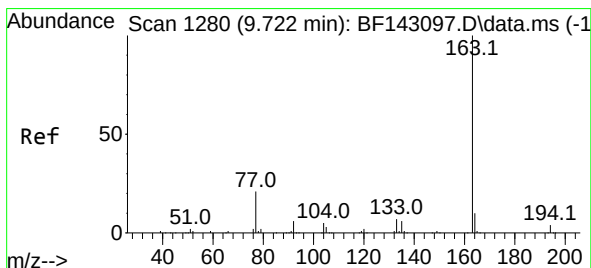
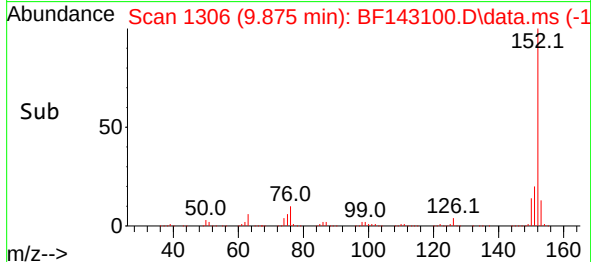
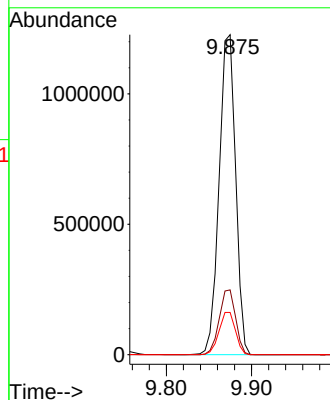
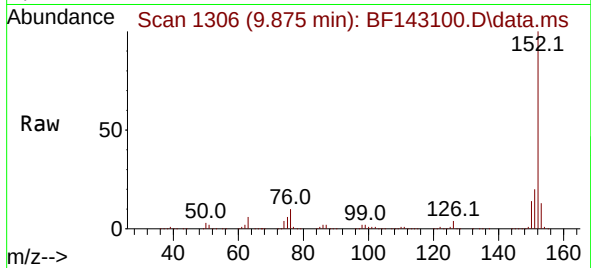




#49
Acenaphthylene
Concen: 71.544 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

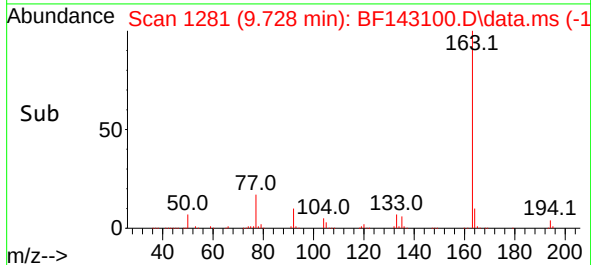
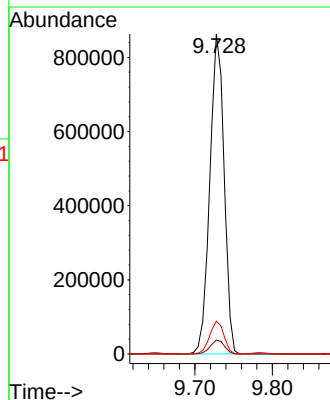
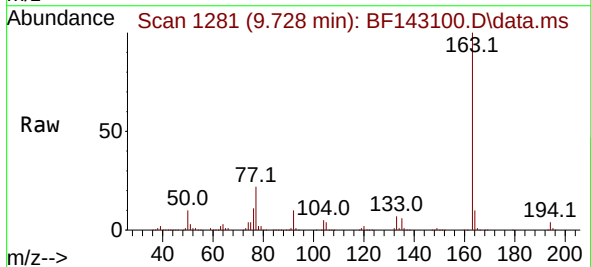
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

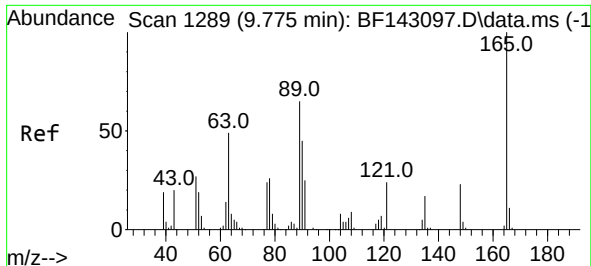
Tgt Ion:152 Resp: 1650097
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 13.2 10.4 15.6



#50
Dimethylphthalate
Concen: 74.327 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:163 Resp: 1104756
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.3 8.2 12.2

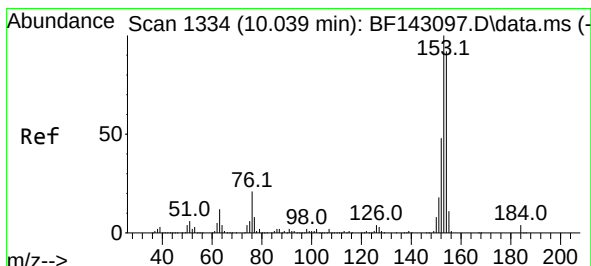
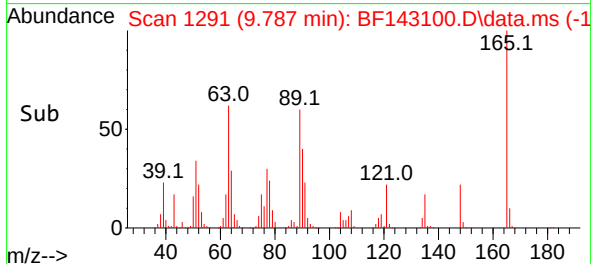
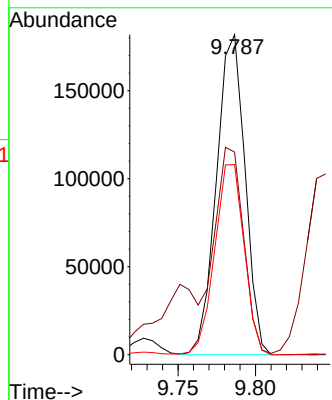
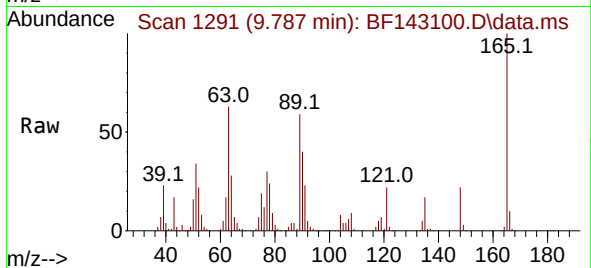




#51
2,6-Dinitrotoluene
Concen: 77.660 ng
RT: 9.787 min Scan# 1289
Delta R.T. 0.011 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

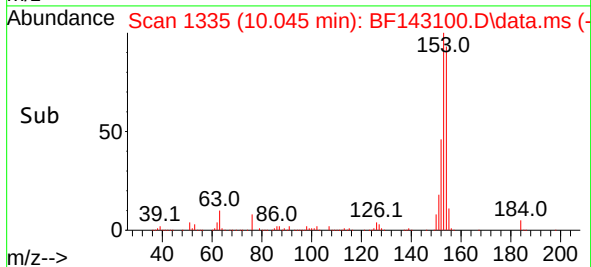
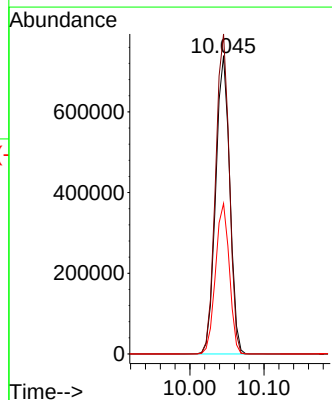
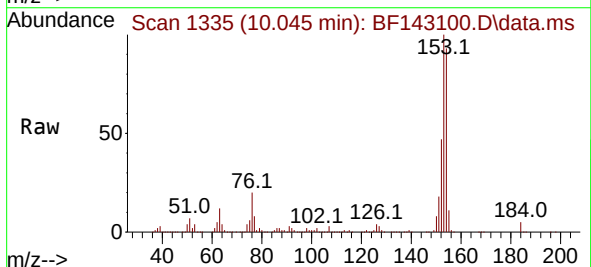
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

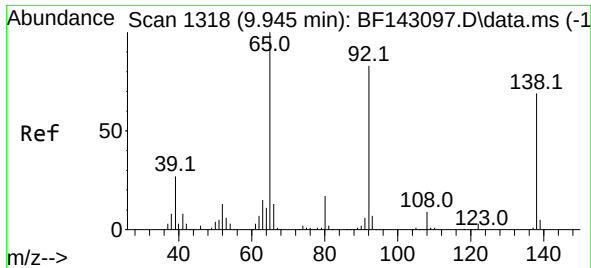
Tgt Ion:165 Resp: 233478
Ion Ratio Lower Upper
165 100
63 63.3 57.4 86.0
89 59.4 51.8 77.8



#52
Acenaphthene
Concen: 71.657 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:154 Resp: 975285
Ion Ratio Lower Upper
154 100
153 107.3 86.7 130.1
152 50.5 41.4 62.2

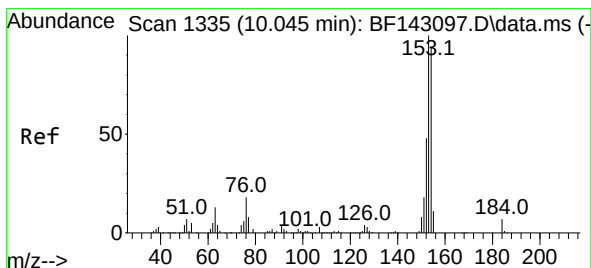
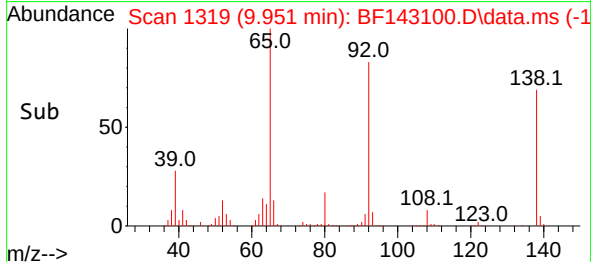
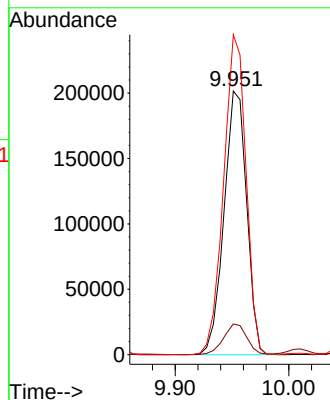
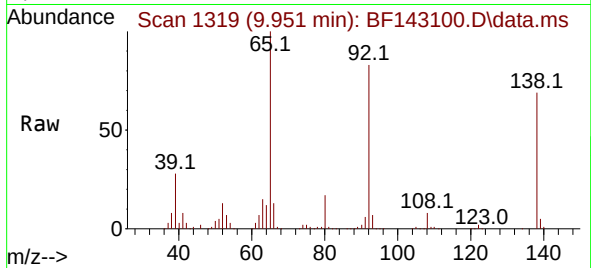




#53
3-Nitroaniline
Concen: 86.920 ng
RT: 9.951 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

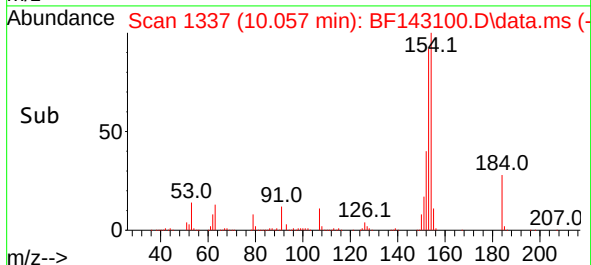
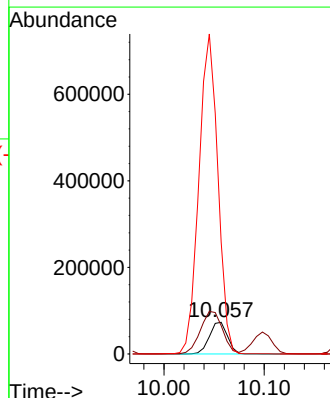
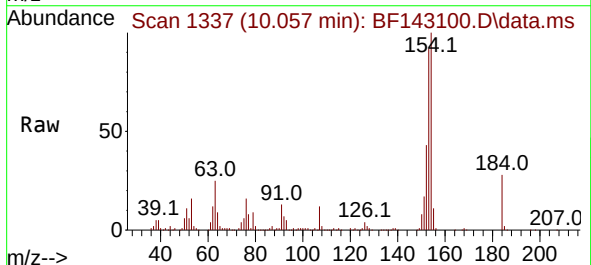
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

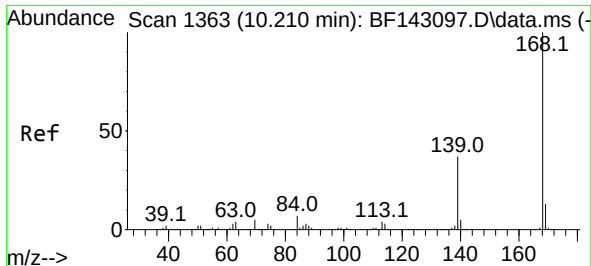
Tgt Ion:138 Resp: 279161
Ion Ratio Lower Upper
138 100
108 11.6 10.1 15.1
92 121.4 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 79.064 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:184 Resp: 91751
Ion Ratio Lower Upper
184 100
63 89.3 149.3 223.9#
154 352.7 1048.0 1572.0#

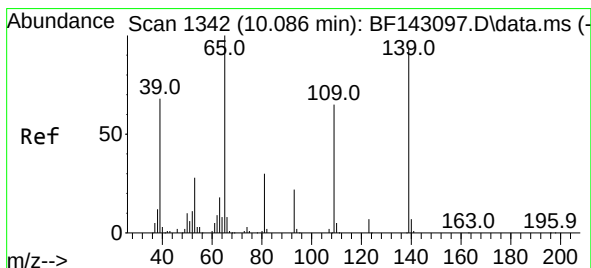
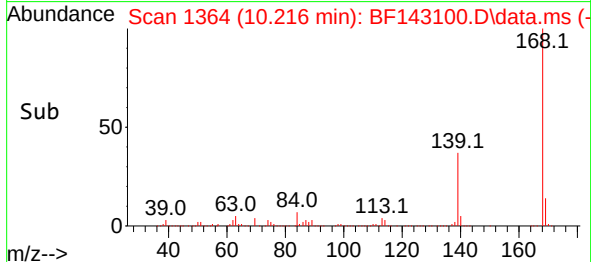
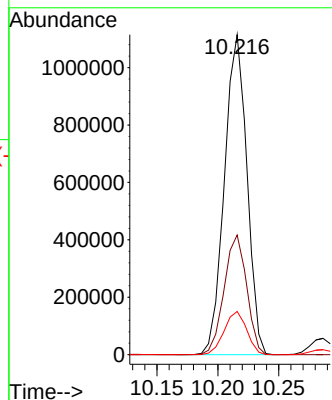
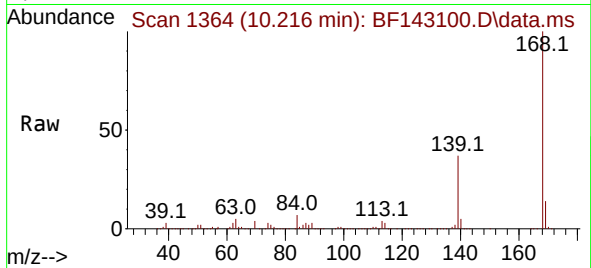




#55
Dibenzenofuran
Concen: 70.610 ng
RT: 10.216 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

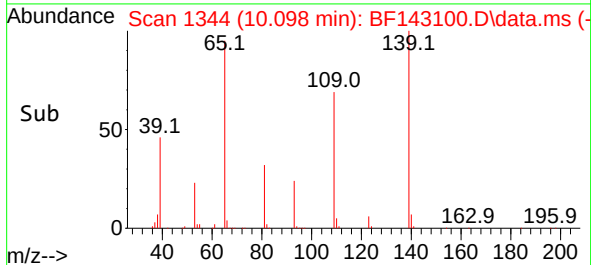
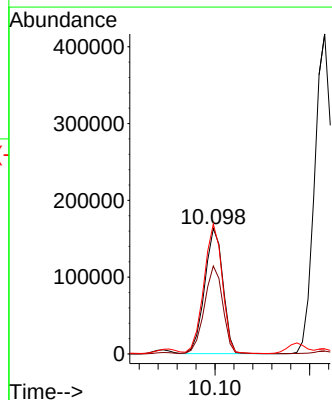
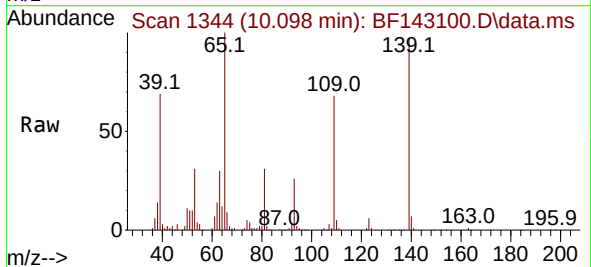
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

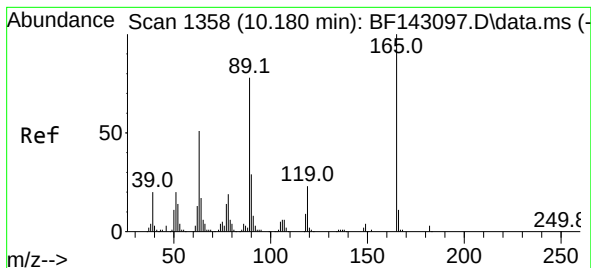
Tgt Ion:168 Resp: 1432458
Ion Ratio Lower Upper
168 100
139 37.4 29.8 44.6
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 85.886 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:139 Resp: 219224
Ion Ratio Lower Upper
139 100
109 70.2 49.4 89.4
65 103.6 88.2 128.2

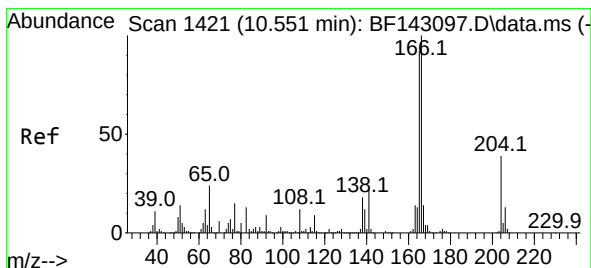
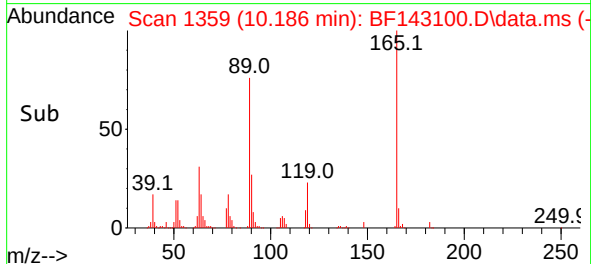
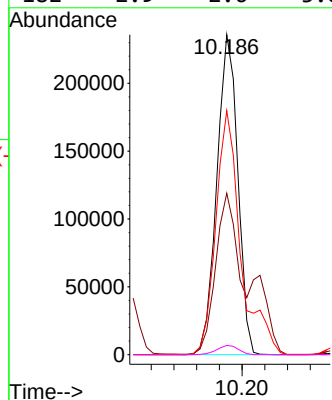
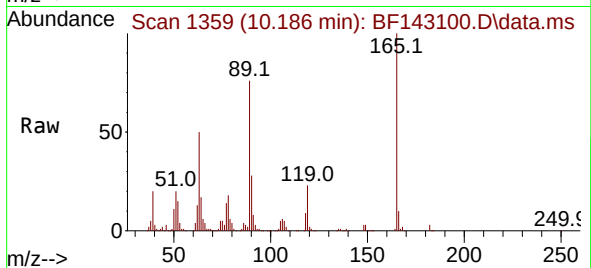




#57
2,4-Dinitrotoluene
Concen: 80.048 ng
RT: 10.186 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

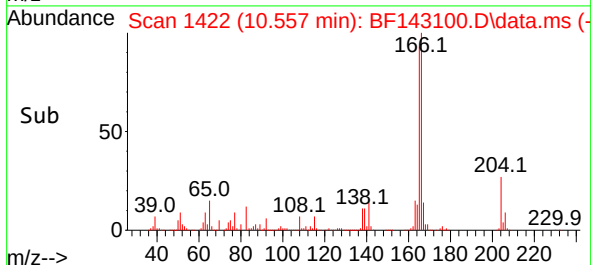
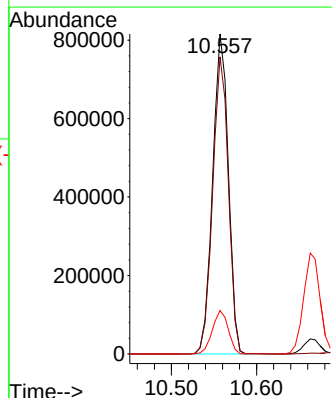
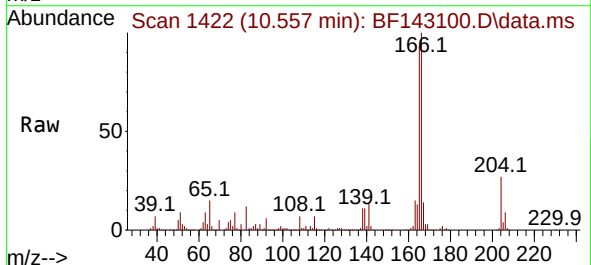
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

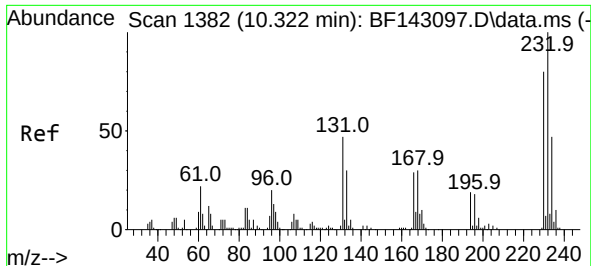
Tgt Ion:165 Resp: 302558
Ion Ratio Lower Upper
165 100
63 50.4 40.6 61.0
89 76.3 62.3 93.5
182 2.9 2.6 3.8



#58
Fluorene
Concen: 68.640 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:166 Resp: 1043990
Ion Ratio Lower Upper
166 100
165 92.9 73.7 110.5
167 13.6 10.9 16.3

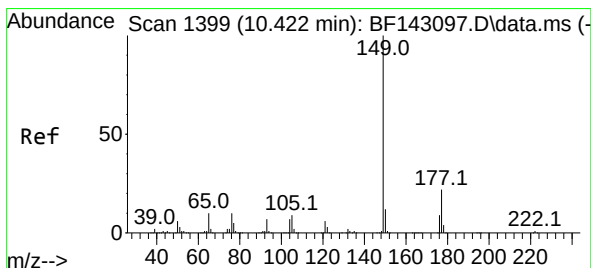
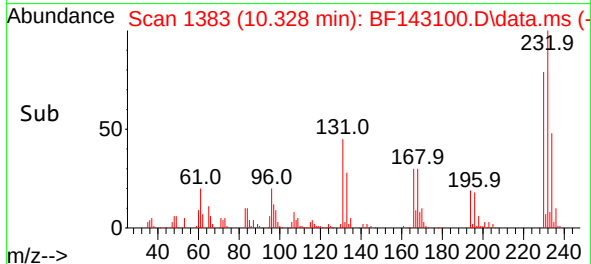
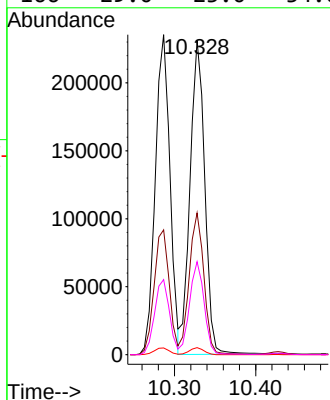
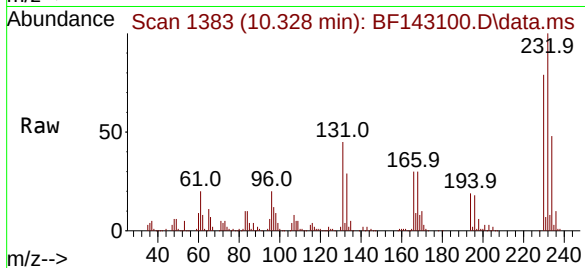




#59
2,3,4,6-Tetrachlorophenol
Concen: 81.893 ng
RT: 10.328 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

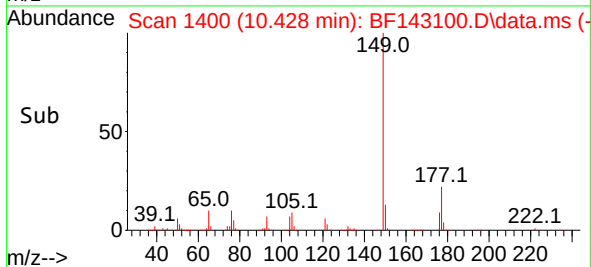
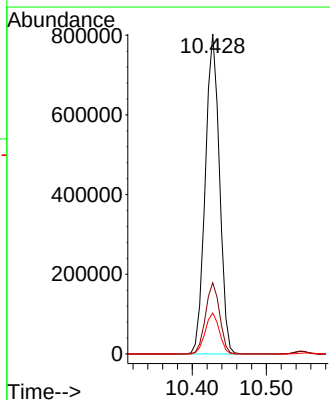
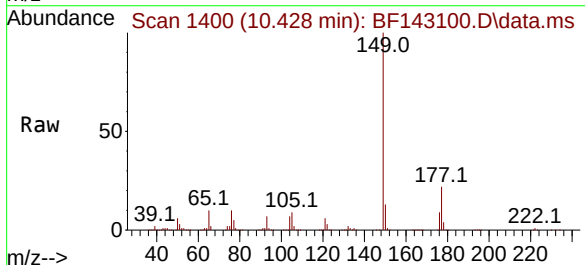
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

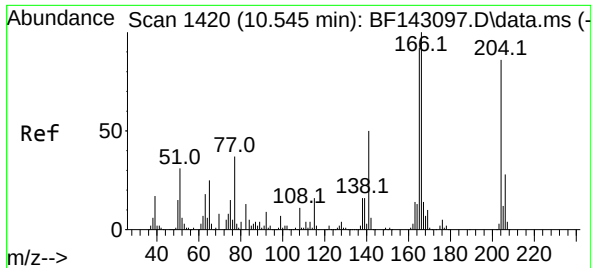
Tgt Ion:232 Resp: 291933
Ion Ratio Lower Upper
232 100
131 44.7 36.9 55.3
130 2.2 1.8 2.8
166 29.0 23.0 34.6



#60
Diethylphthalate
Concen: 74.464 ng
RT: 10.428 min Scan# 1400
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 1067815
Ion Ratio Lower Upper
149 100
177 22.2 17.3 25.9
150 12.8 9.9 14.9

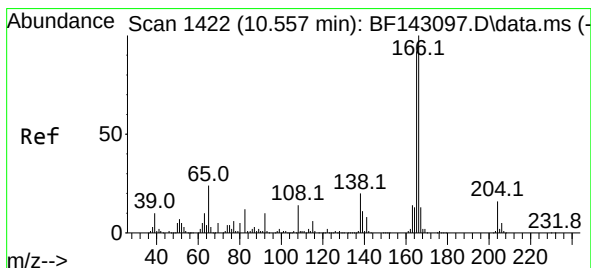
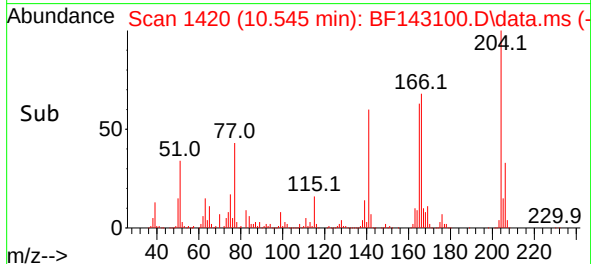
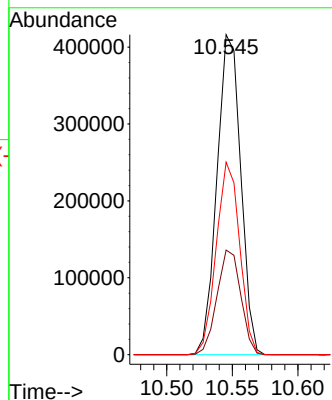
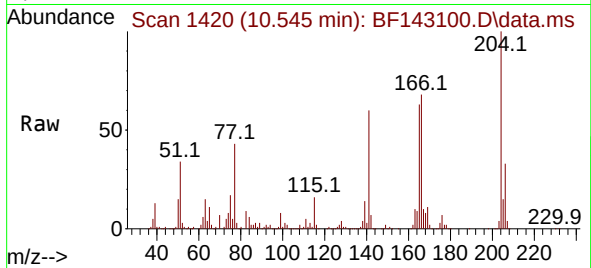




#61
4-Chlorophenyl-phenylether
Concen: 72.005 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

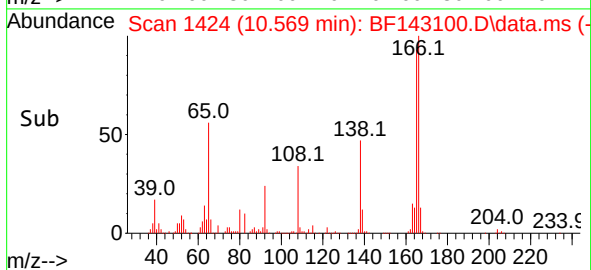
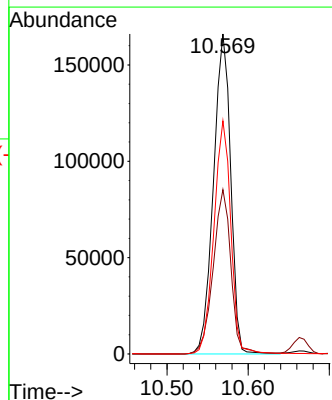
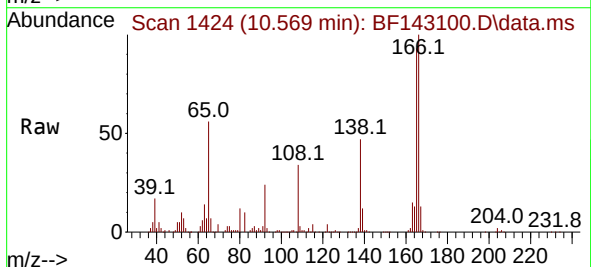
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

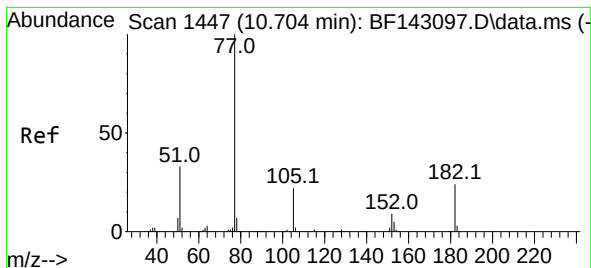
Tgt Ion:204 Resp: 524910
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.6
141 60.2 46.8 70.2



#62
4-Nitroaniline
Concen: 87.527 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:138 Resp: 244461
Ion Ratio Lower Upper
138 100
92 51.4 30.4 70.4
108 72.9 49.5 89.5





#63

Azobenzene

Concen: 71.985 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 77 Resp: 1141613

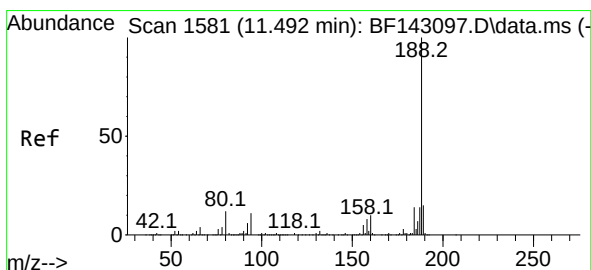
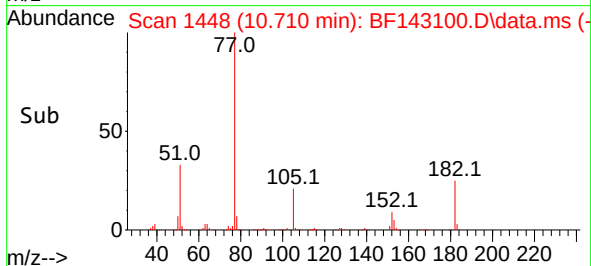
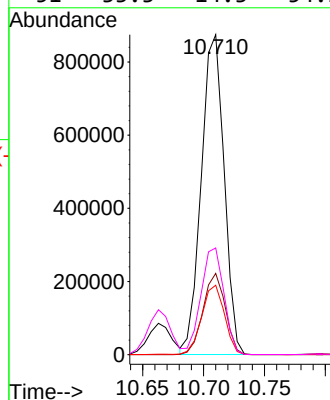
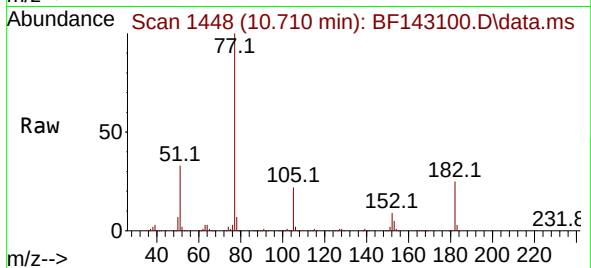
Ion Ratio Lower Upper

77 100

182 25.4 4.0 44.0

105 21.7 1.4 41.4

51 33.3 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

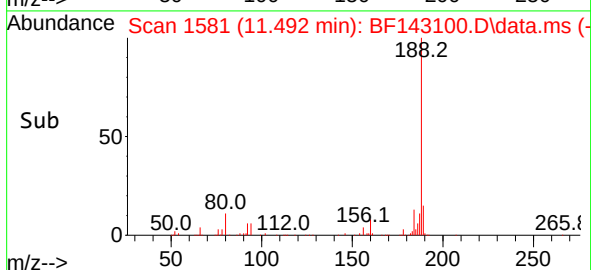
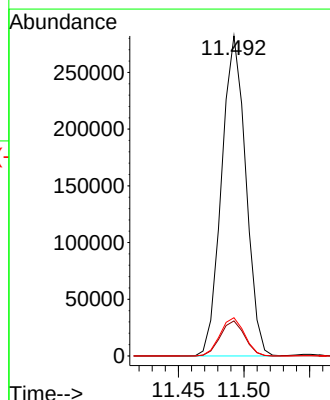
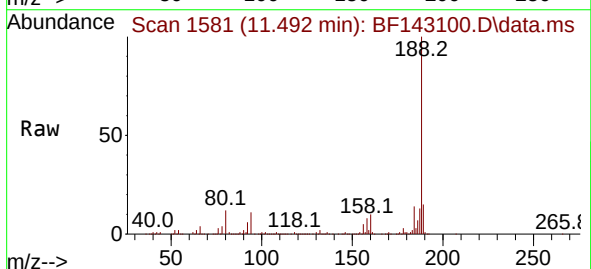
Tgt Ion:188 Resp: 362117

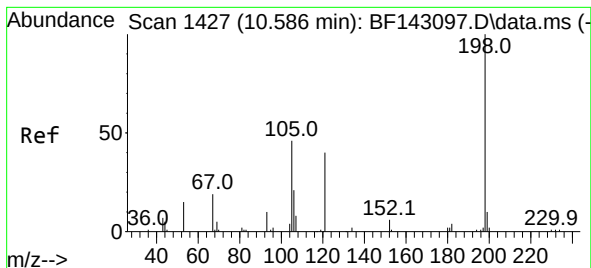
Ion Ratio Lower Upper

188 100

94 11.0 8.6 13.0

80 12.0 9.3 13.9

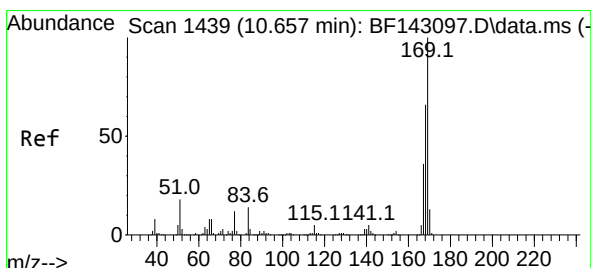
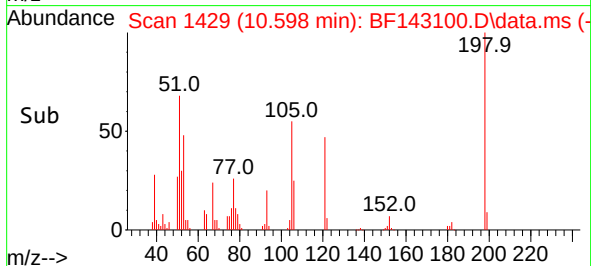
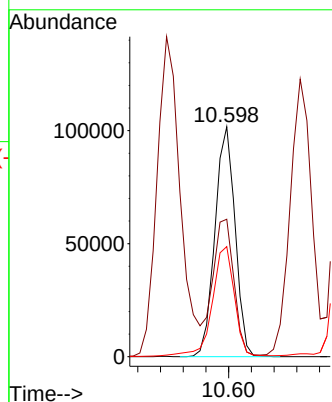
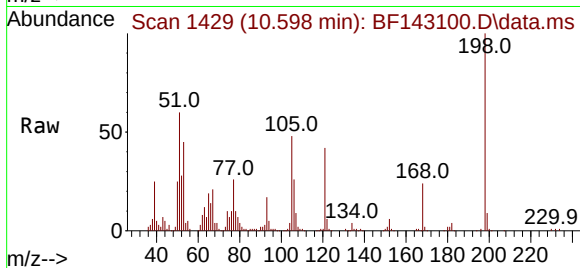




#65
4,6-Dinitro-2-methylphenol
Concen: 78.600 ng
RT: 10.598 min Scan# 1427
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

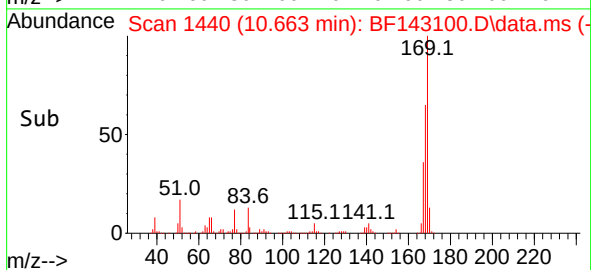
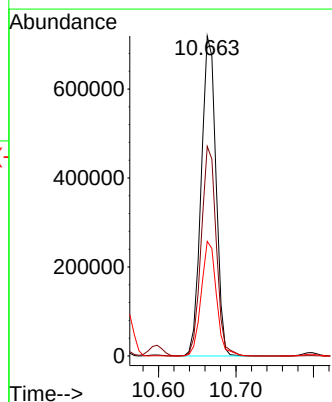
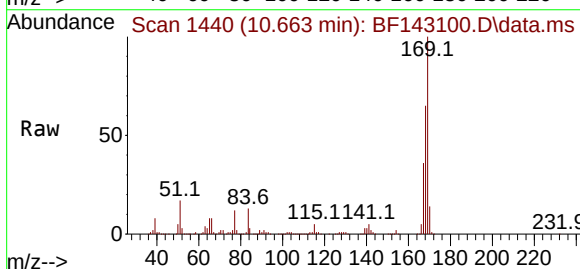
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

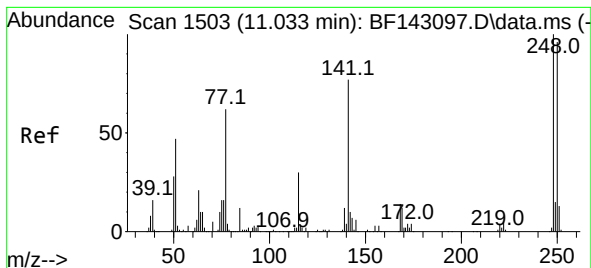
Tgt Ion:198 Resp: 125251
Ion Ratio Lower Upper
198 100
51 59.8 44.6 84.6
105 47.9 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 74.520 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:169 Resp: 947890
Ion Ratio Lower Upper
169 100
168 65.5 53.0 79.6
167 35.8 28.4 42.6

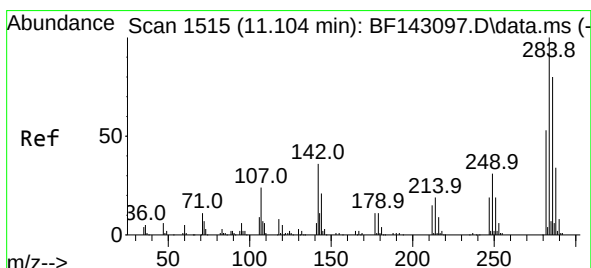
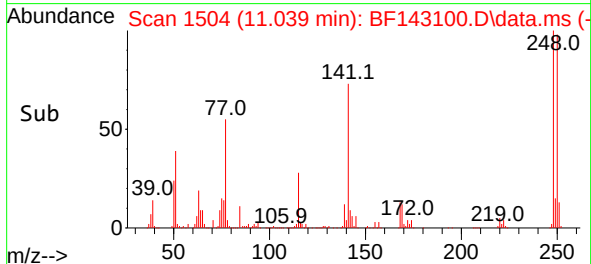
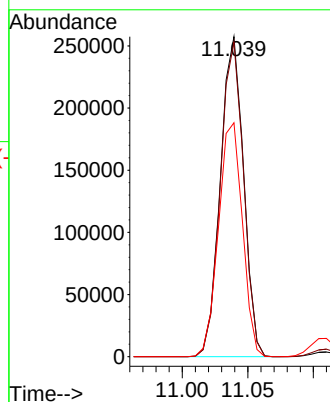
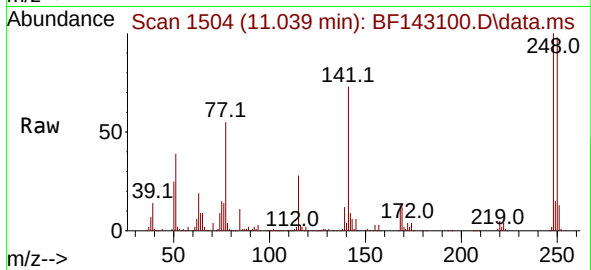




#67
4-Bromophenyl-phenylether
Concen: 76.885 ng
RT: 11.039 min Scan# 1103
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

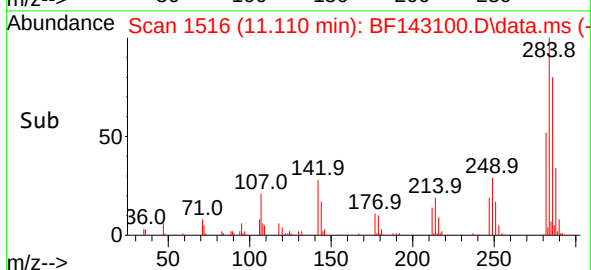
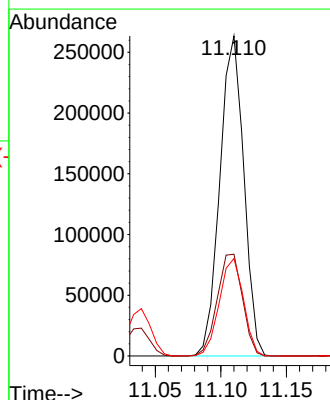
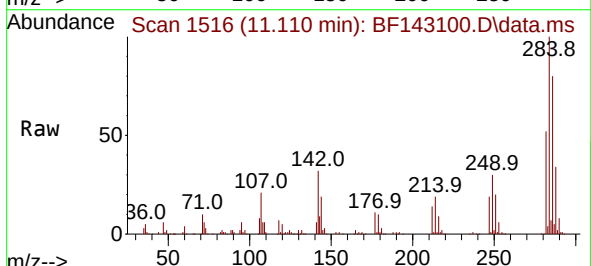
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

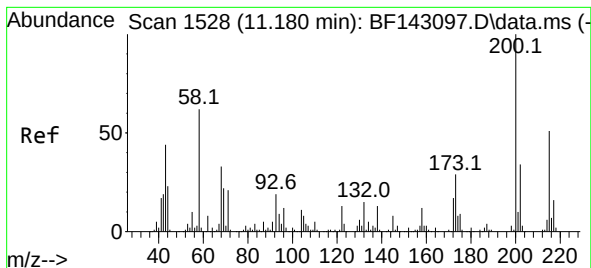
Tgt Ion:248 Resp: 316619
Ion Ratio Lower Upper
248 100
250 98.3 76.7 115.1
141 73.1 61.7 92.5



#68
Hexachlorobenzene
Concen: 76.417 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:284 Resp: 333899
Ion Ratio Lower Upper
284 100
142 31.8 28.9 43.3
249 30.5 24.6 37.0





#69

Atrazine

Concen: 81.943 ng

RT: 11.186 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDIC080

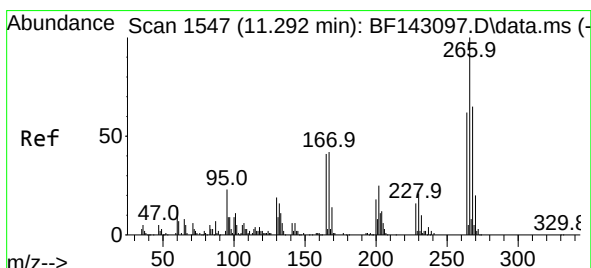
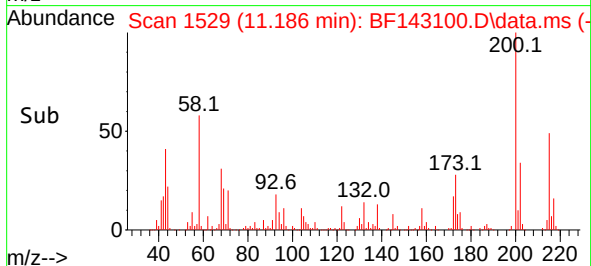
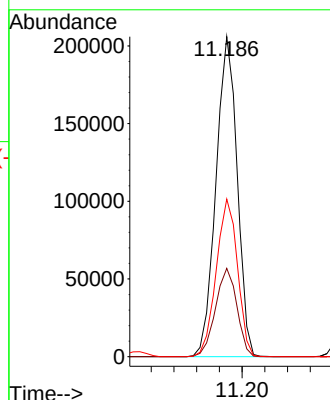
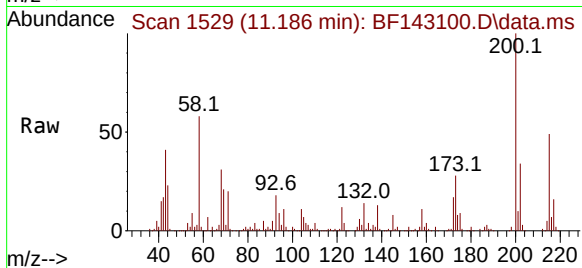
Tgt Ion:200 Resp: 266668

Ion Ratio Lower Upper

200 100

173 27.6 9.1 49.1

215 49.2 31.0 71.0



#70

Pentachlorophenol

Concen: 87.905 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

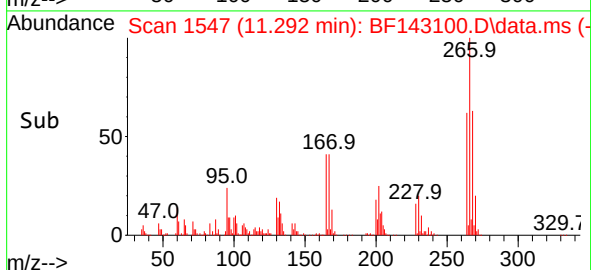
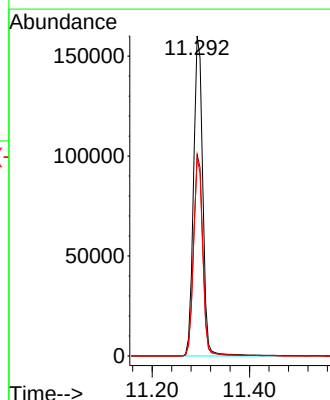
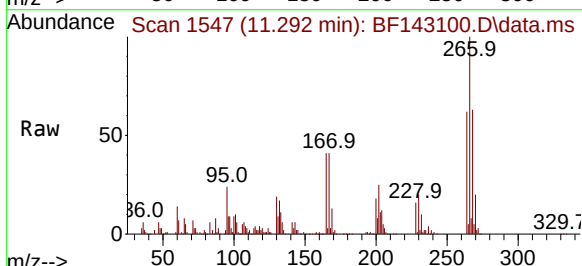
Tgt Ion:266 Resp: 210729

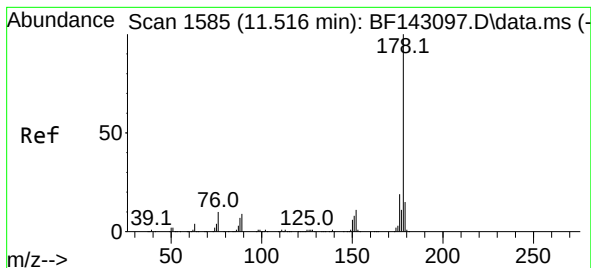
Ion Ratio Lower Upper

266 100

268 63.0 51.8 77.6

264 61.8 49.7 74.5





#71

Phenanthrene

Concen: 71.714 ng

RT: 11.522 min Scan# 1586

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

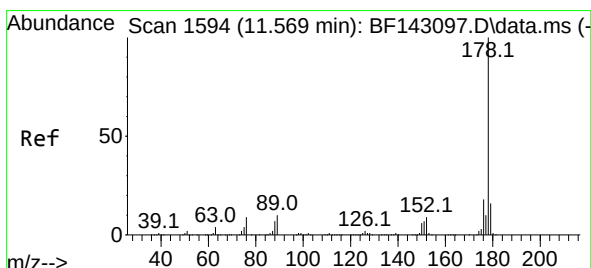
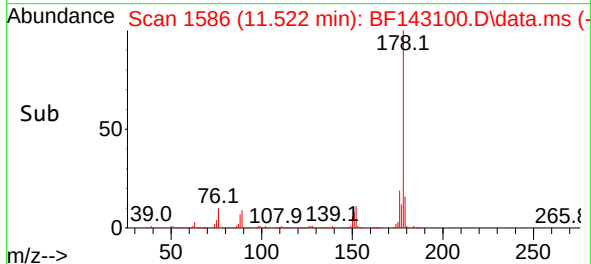
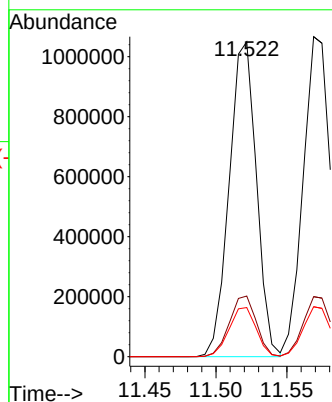
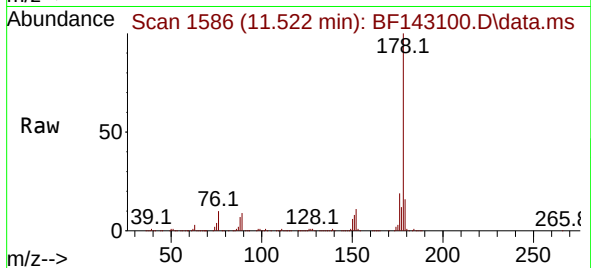
Tgt Ion:178 Resp: 1401500

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 15.6 12.2 18.4



#72

Anthracene

Concen: 72.421 ng

RT: 11.569 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

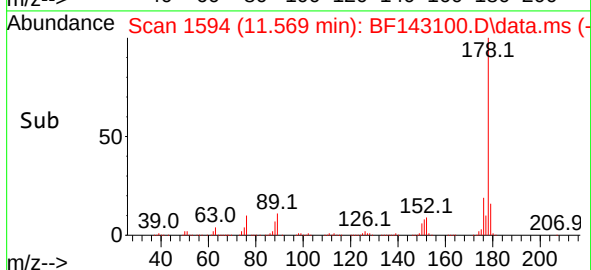
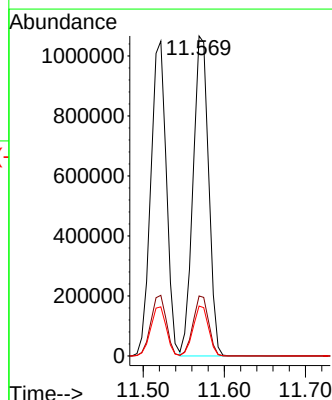
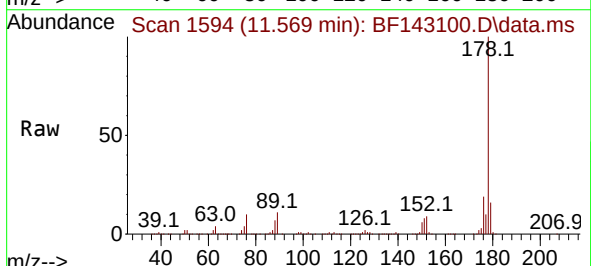
Tgt Ion:178 Resp: 1423259

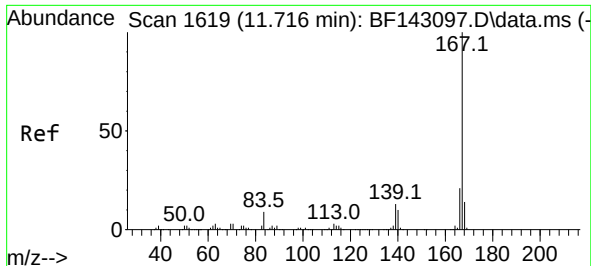
Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

179 15.6 12.4 18.6

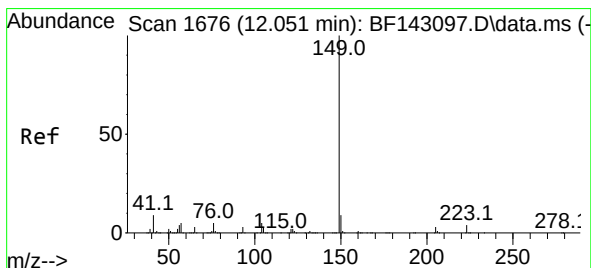
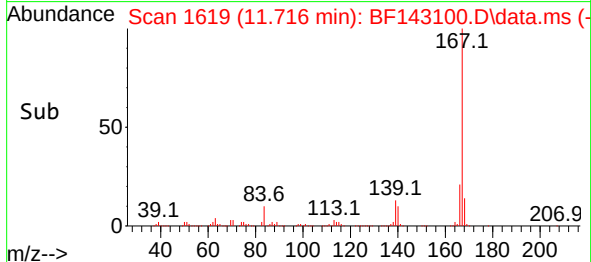
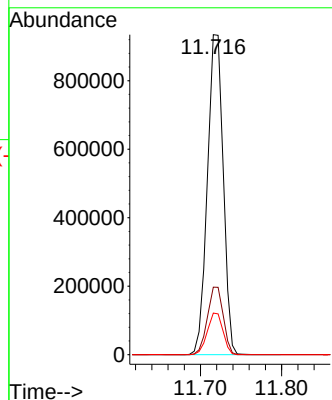
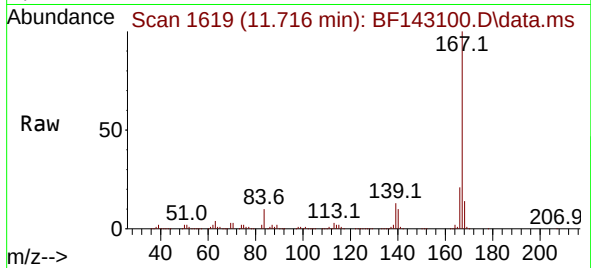




#73
 Carbazole
 Concen: 71.796 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. 0.000 min
 Lab File: BF143100.D
 Acq: 15 Jul 2025 16:35

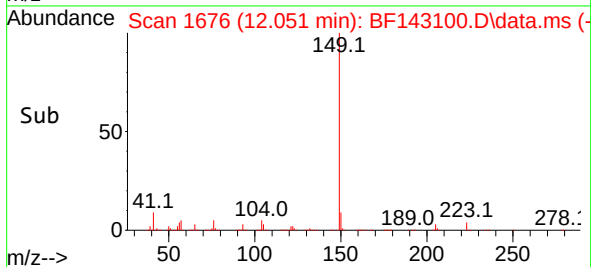
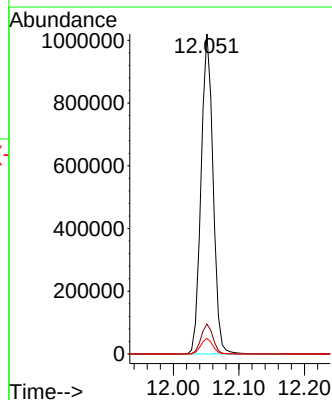
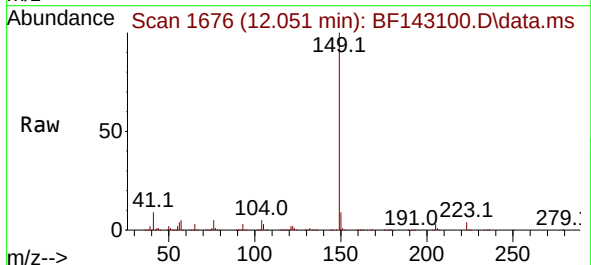
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

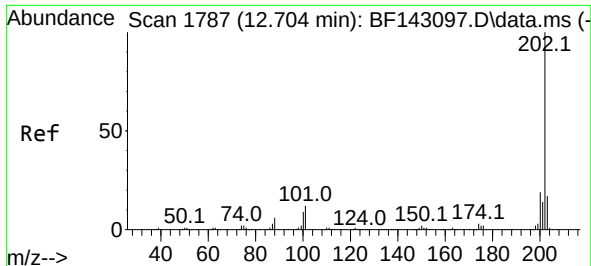
Tgt Ion:167 Resp: 1264053
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.4
 139 13.0 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 80.422 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. 0.000 min
 Lab File: BF143100.D
 Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 1299711
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.3 10.9
 104 4.8 3.8 5.8

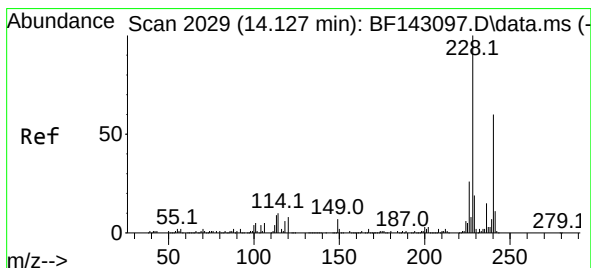
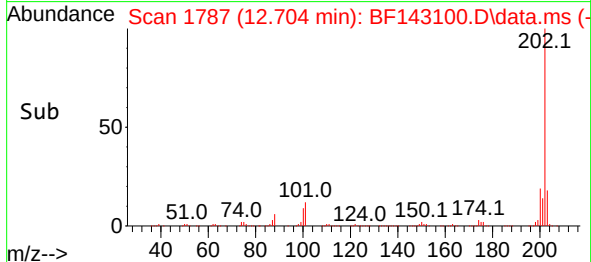
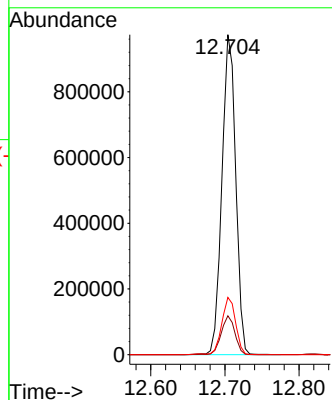
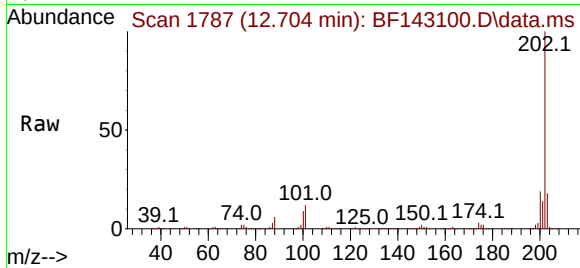




#75
Fluoranthene
Concen: 70.821 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

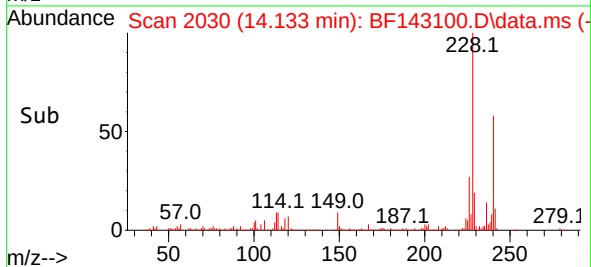
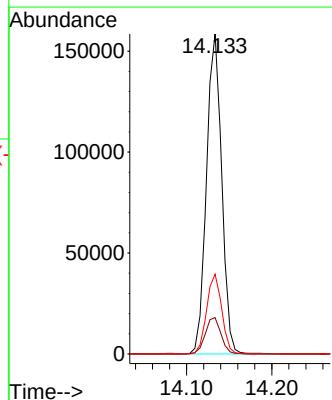
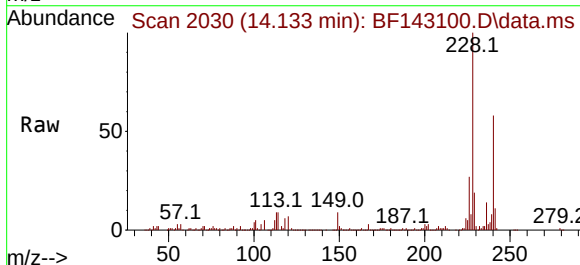
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

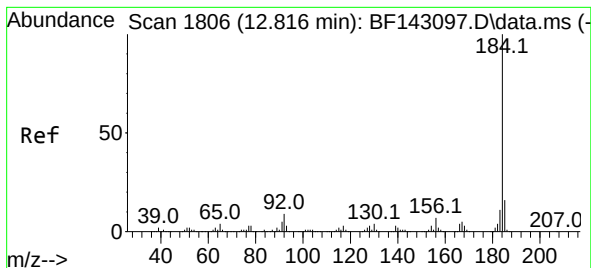
Tgt Ion:202 Resp: 1258479
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.4
203 17.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:240 Resp: 196411
Ion Ratio Lower Upper
240 100
120 11.3 10.0 15.0
236 25.0 20.0 30.0





#77

Benzidine

Concen: 60.315 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

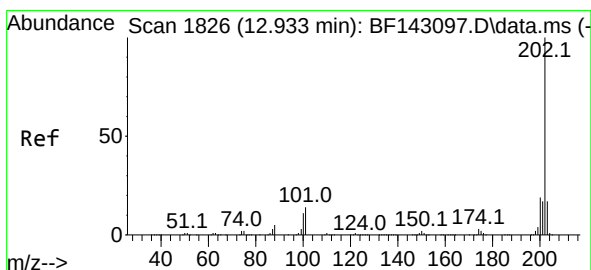
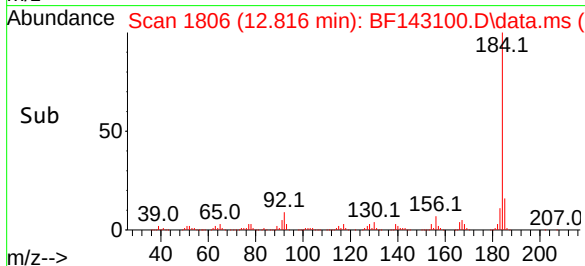
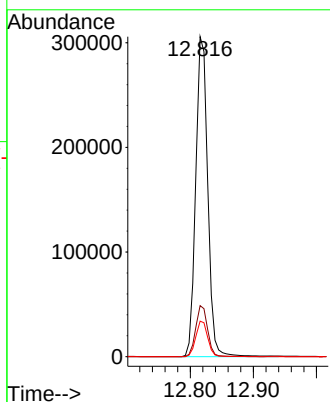
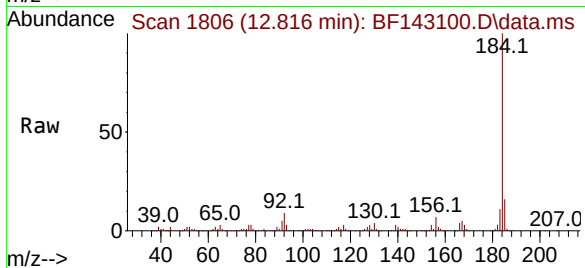
Tgt Ion:184 Resp: 403599

Ion Ratio Lower Upper

184 100

185 15.9 12.4 18.6

183 11.1 8.6 12.8



#78

Pyrene

Concen: 68.315 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

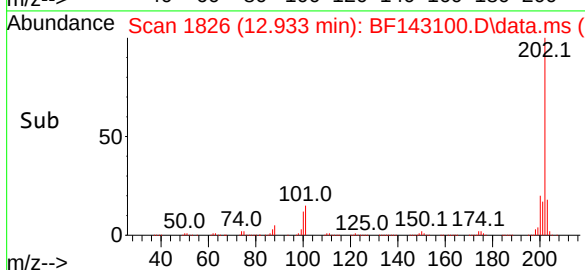
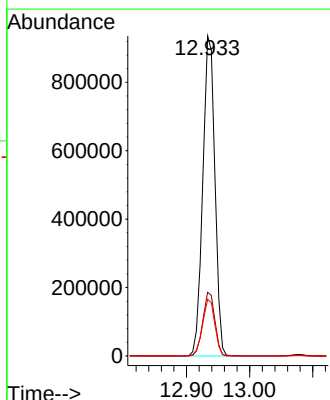
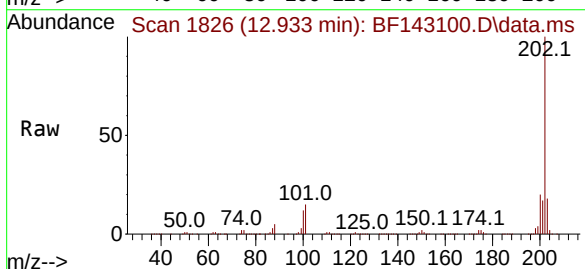
Tgt Ion:202 Resp: 1244953

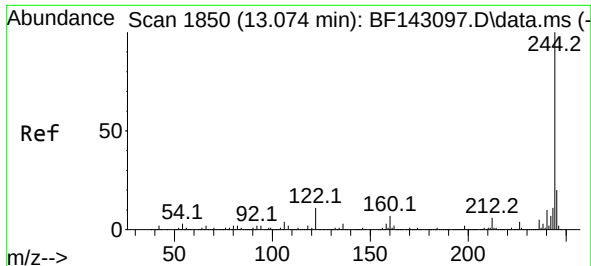
Ion Ratio Lower Upper

202 100

200 19.9 15.5 23.3

203 17.7 14.0 21.0

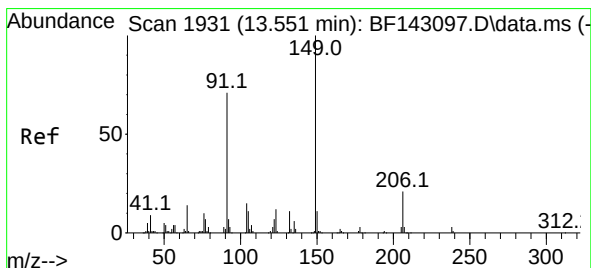
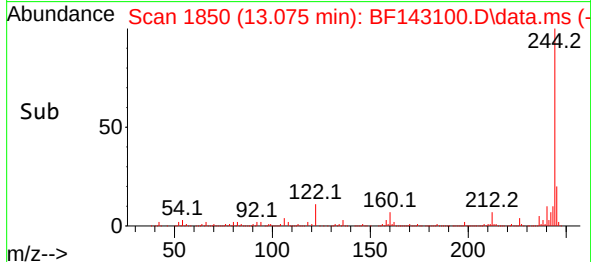
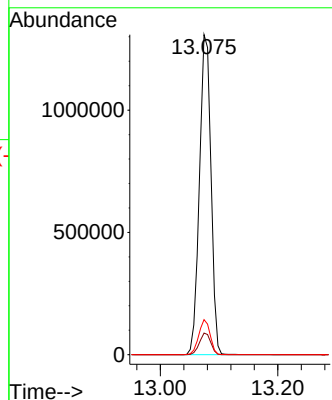
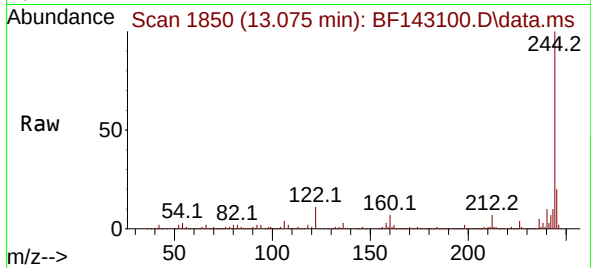




#79
 Terphenyl-d14
 Concen: 132.466 ng
 RT: 13.075 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143100.D
 Acq: 15 Jul 2025 16:35

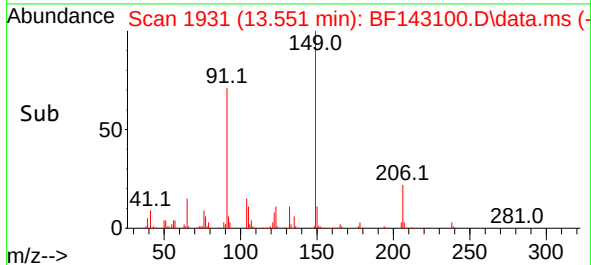
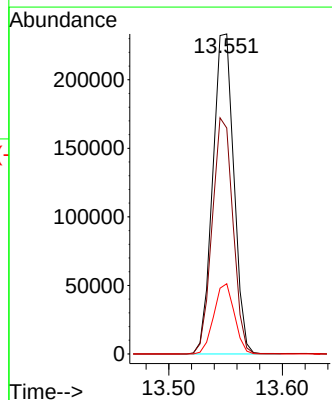
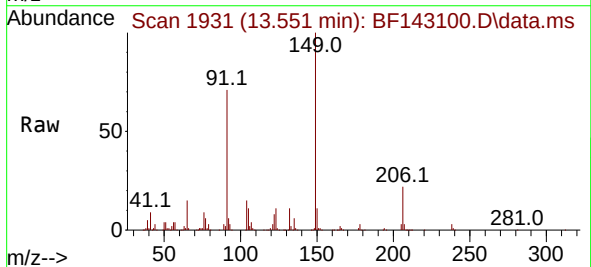
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

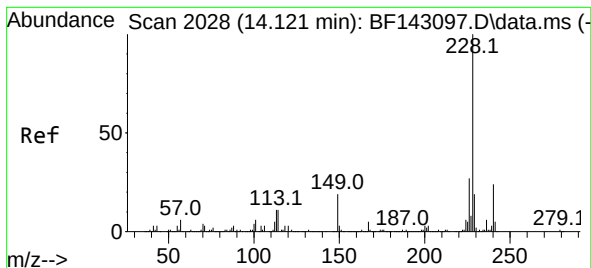
Tgt Ion:244 Resp: 1779829
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 11.0 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 79.914 ng
 RT: 13.551 min Scan# 1931
 Delta R.T. -0.000 min
 Lab File: BF143100.D
 Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 301525
 Ion Ratio Lower Upper
 149 100
 91 70.6 57.0 85.4
 206 21.9 17.2 25.8





#81

Benzo(a)anthracene

Concen: 74.870 ng

RT: 14.122 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

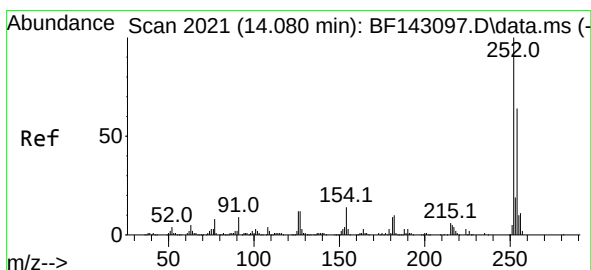
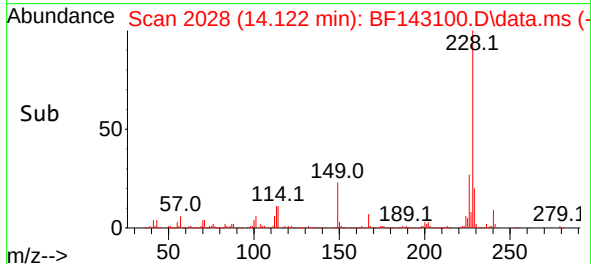
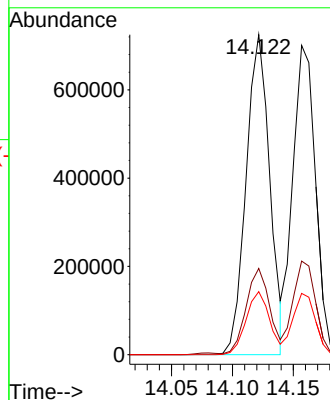
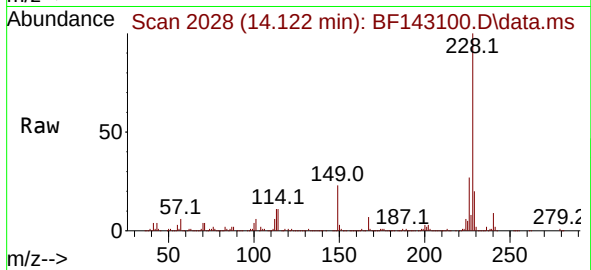
Tgt Ion:228 Resp: 979909

Ion Ratio Lower Upper

228 100

226 27.0 21.3 31.9

229 19.7 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 77.896 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

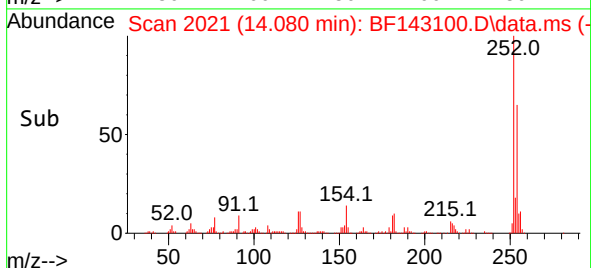
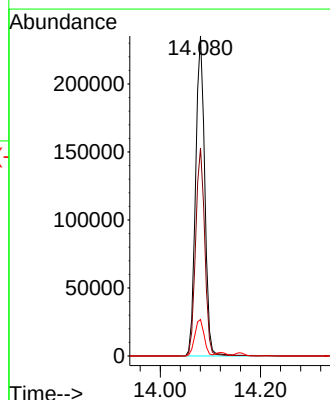
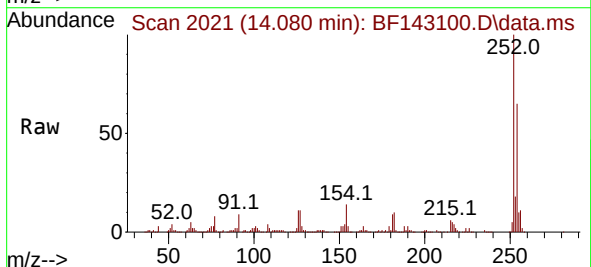
Tgt Ion:252 Resp: 296061

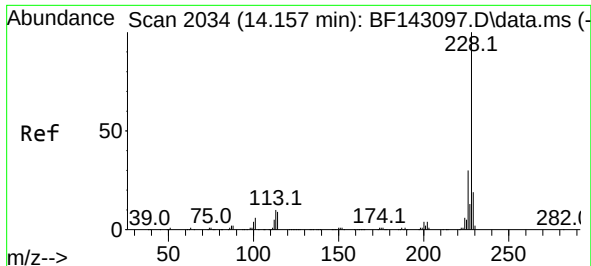
Ion Ratio Lower Upper

252 100

254 65.0 51.5 77.3

126 11.4 9.4 14.0

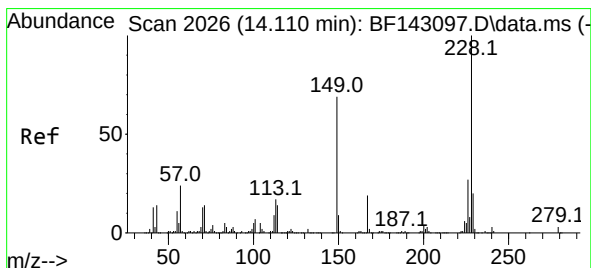
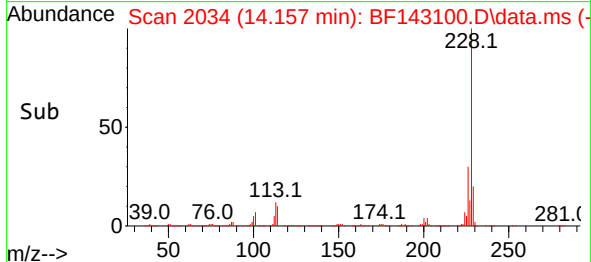
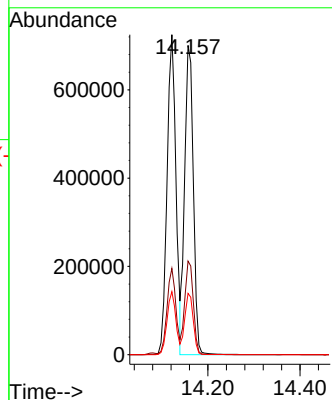
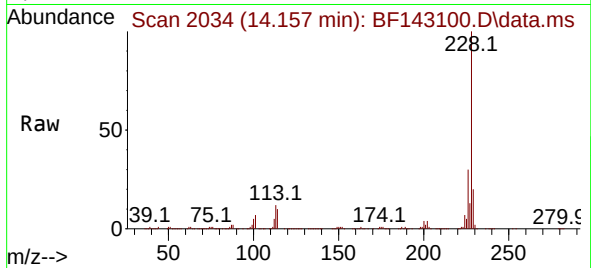




#83
Chrysene
Concen: 75.743 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

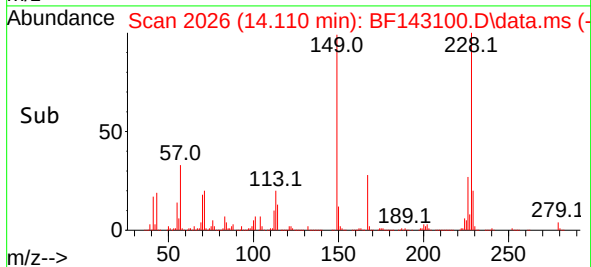
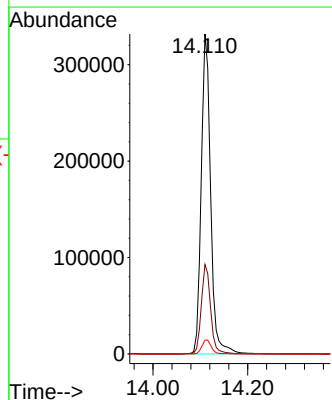
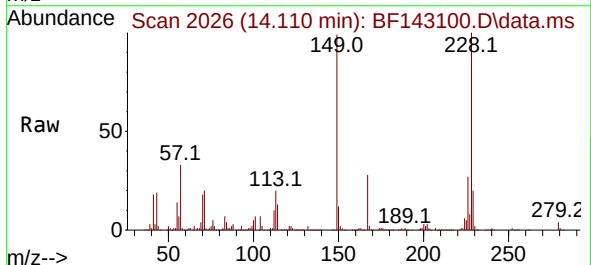
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

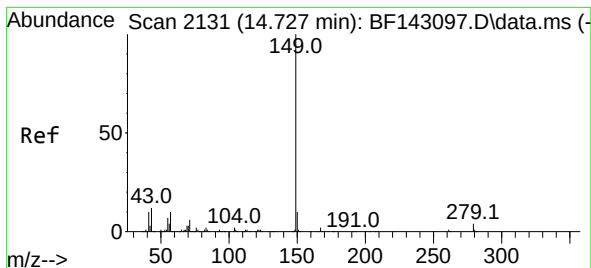
Tgt Ion:228 Resp: 913035
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.2
229 19.8 15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 80.495 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 458210
Ion Ratio Lower Upper
149 100
167 27.9 21.9 32.9
279 4.3 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 82.209 ng

RT: 14.727 min Scan# 2131

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

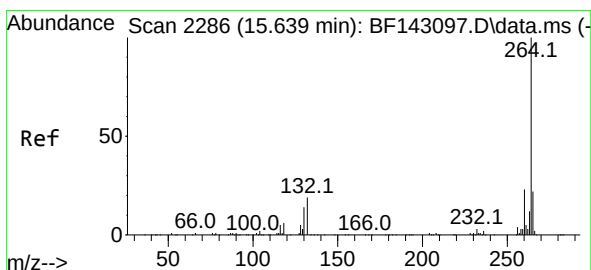
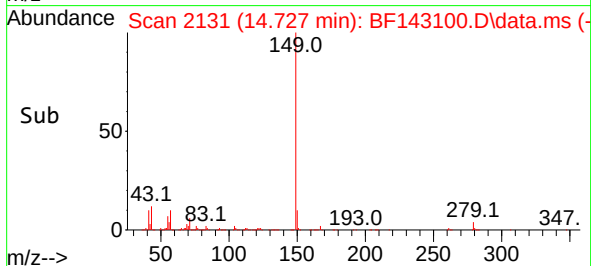
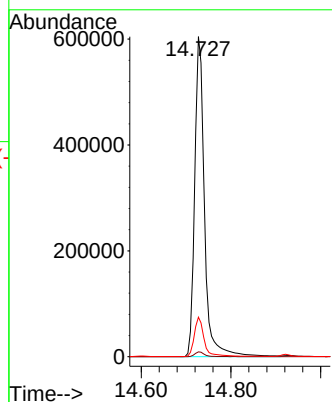
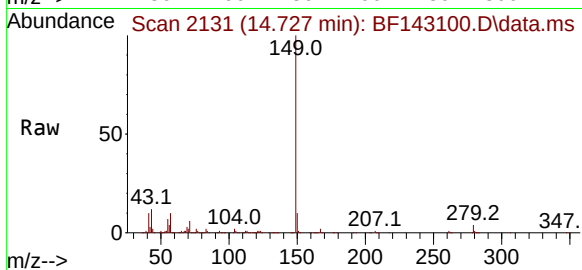
Tgt Ion:149 Resp: 916748

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 12.3 10.6 16.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 2286

Delta R.T. 0.000 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

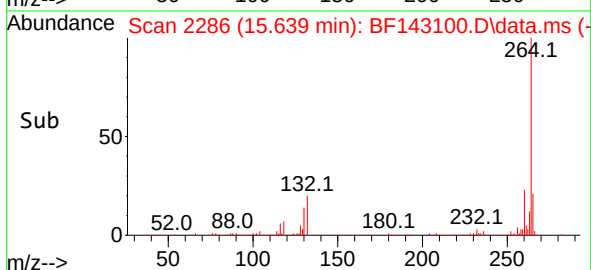
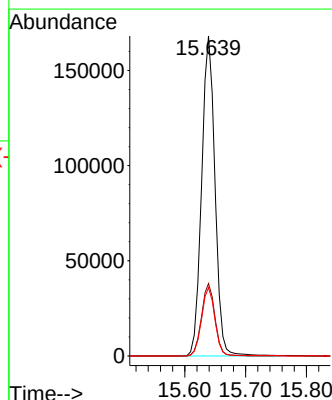
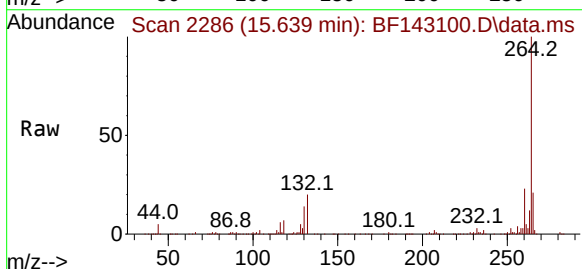
Tgt Ion:264 Resp: 256691

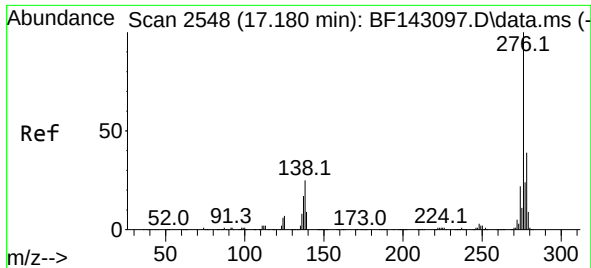
Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

265 21.4 17.5 26.3

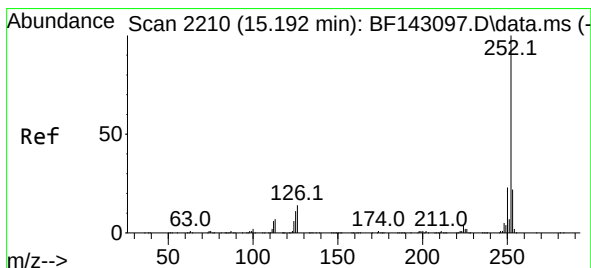
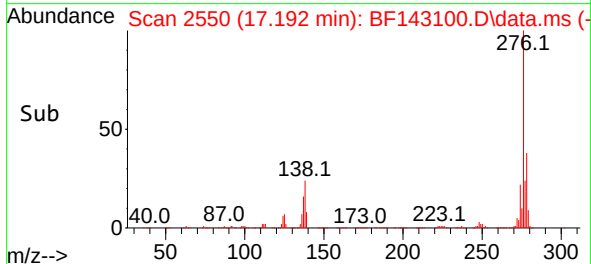
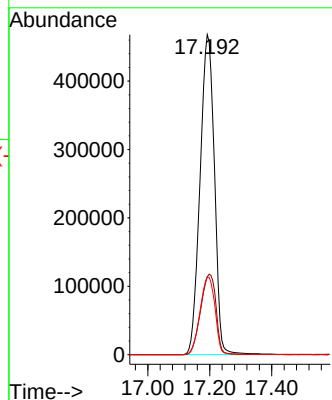
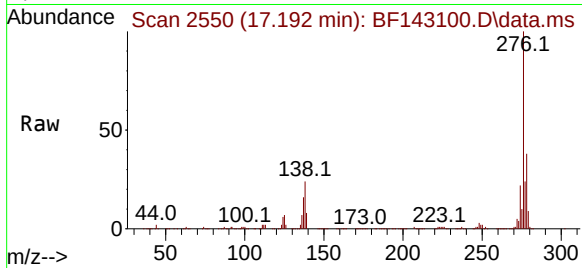




#87
Indeno(1,2,3-cd)pyrene
Concen: 79.082 ng
RT: 17.192 min Scan# 2111
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

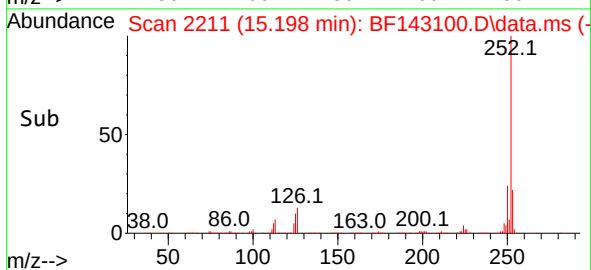
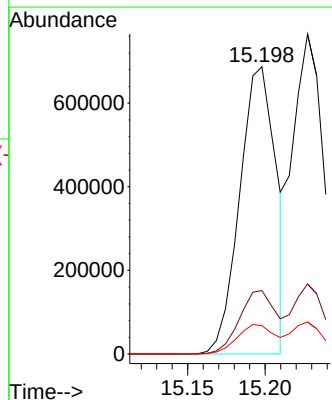
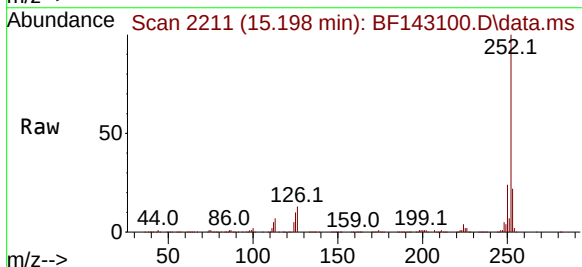
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

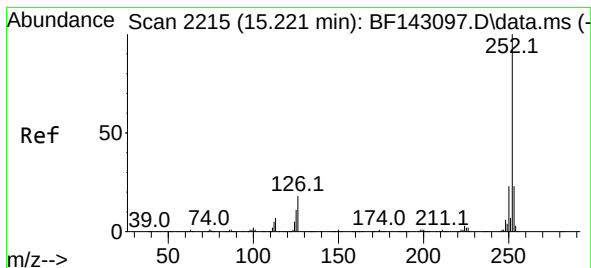
Tgt Ion:276 Resp: 1509813
Ion Ratio Lower Upper
276 100
138 26.8 22.6 34.0
277 25.3 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 75.360 ng
RT: 15.198 min Scan# 2211
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 1115815
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 9.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 76.736 ng

RT: 15.227 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

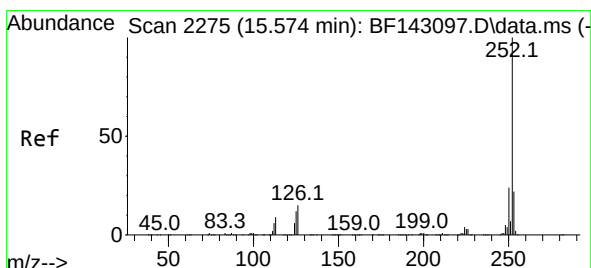
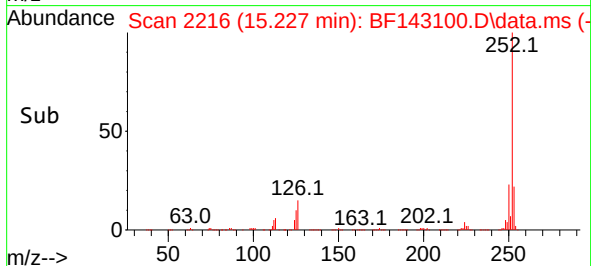
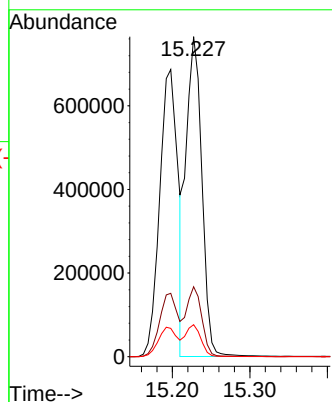
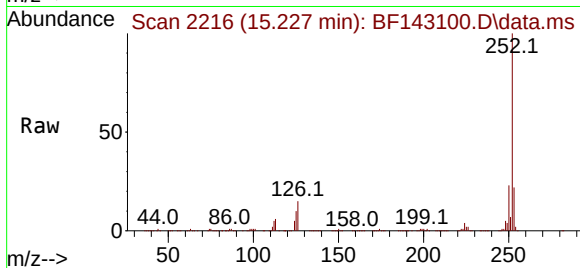
Tgt Ion:252 Resp: 1083939

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.0 8.5 12.7



#90

Benzo(a)pyrene

Concen: 79.071 ng

RT: 15.580 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF143100.D

Acq: 15 Jul 2025 16:35

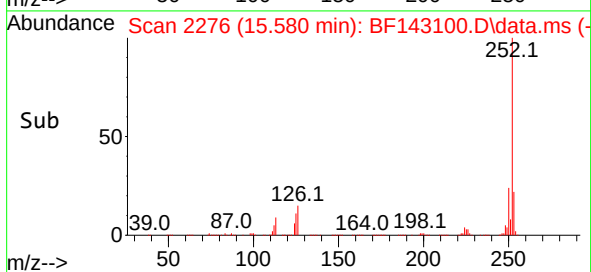
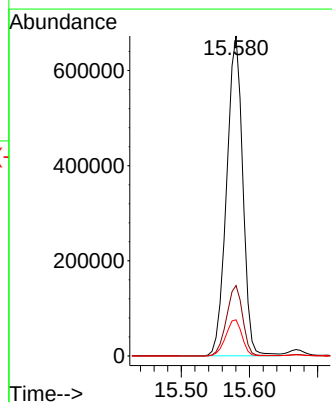
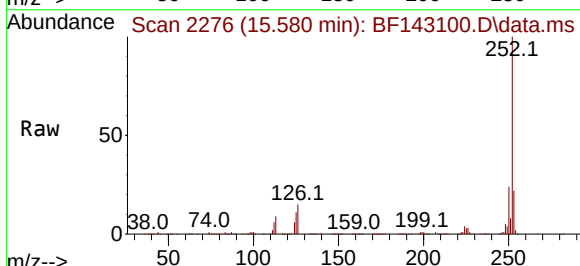
Tgt Ion:252 Resp: 1107280

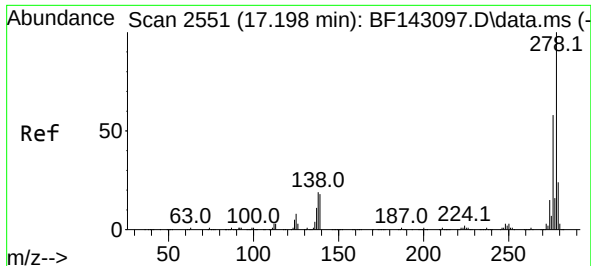
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 11.3 9.4 14.0

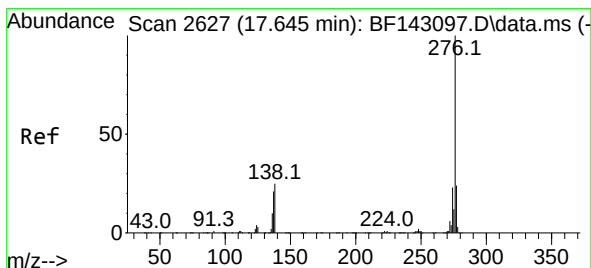
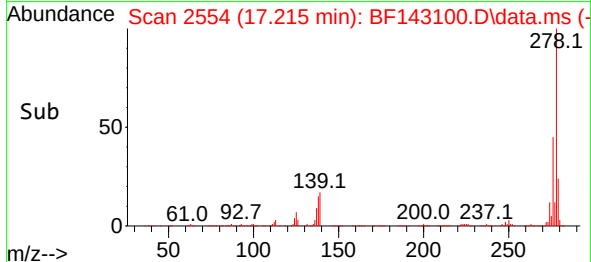
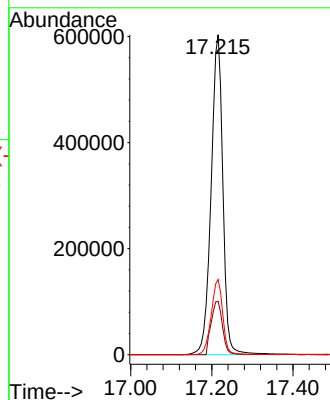
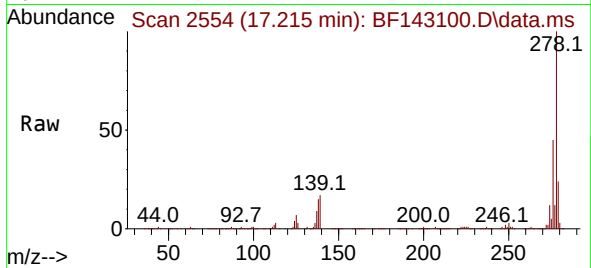




#91
Dibenzo(a,h)anthracene
Concen: 77.528 ng
RT: 17.215 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

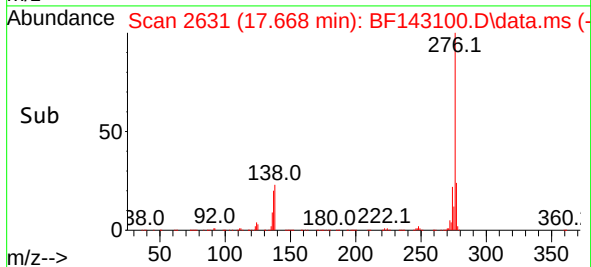
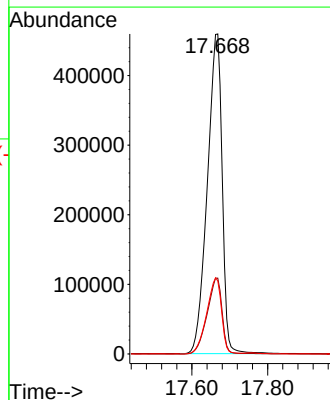
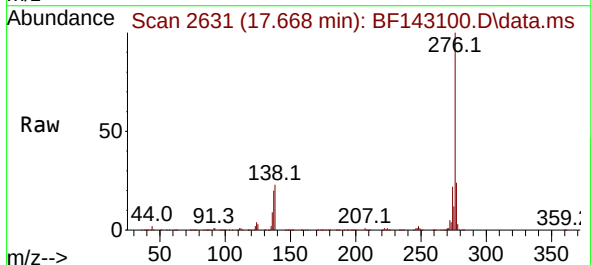
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1209971
Ion Ratio Lower Upper
278 100
139 16.7 14.6 22.0
279 23.5 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 78.321 ng
RT: 17.668 min Scan# 2631
Delta R.T. 0.024 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:276 Resp: 1246206
Ion Ratio Lower Upper
276 100
277 23.7 19.2 28.8
138 22.8 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143101.D
 Acq On : 15 Jul 2025 17:27
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071525

Quant Time: Jul 15 17:54:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	130235	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	496378	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	248221	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	398969	20.000	ng	0.00
76) Chrysene-d12	14.133	240	215152	20.000	ng	0.00
86) Perylene-d12	15.639	264	235493	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	649544	78.799	ng	0.00
7) Phenol-d6	6.587	99	814393	78.598	ng	0.00
23) Nitrobenzene-d5	7.528	82	726961	82.157	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	190277	85.971	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1290148	69.090	ng	0.00
79) Terphenyl-d14	13.074	244	1064372	72.317	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.810	88	156917	38.242	ng 99
3) Pyridine	3.581	79	426106	41.009	ng 99
4) n-Nitrosodimethylamine	3.522	42	223240	41.468	ng 98
6) Aniline	6.628	93	598787	41.038	ng 100
8) 2-Chlorophenol	6.751	128	351129	42.397	ng 99
9) Benzaldehyde	6.516	77	293033	37.115	ng 99
10) Phenol	6.598	94	494279	44.065	ng 99
11) bis(2-Chloroethyl)ether	6.698	93	354713	40.848	ng 99
12) 1,3-Dichlorobenzene	6.910	146	380756	40.694	ng 100
13) 1,4-Dichlorobenzene	6.987	146	381590	40.539	ng 100
14) 1,2-Dichlorobenzene	7.139	146	366082	40.782	ng 99
15) Benzyl Alcohol	7.098	79	325035	42.336	ng 99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	644651	40.273	ng 100
17) 2-Methylphenol	7.204	107	296835	41.532	ng 99
18) Hexachloroethane	7.486	117	132499	43.239	ng 100
19) n-Nitroso-di-n-propyla...	7.375	70	266499	41.982	ng 100
20) 3+4-Methylphenols	7.363	107	368618	42.057	ng 99
22) Acetophenone	7.375	105	482823	40.351	ng 99
24) Nitrobenzene	7.545	77	381374	44.647	ng 99
25) Isophorone	7.786	82	704424	41.188	ng 100
26) 2-Nitrophenol	7.863	139	150156	44.317	ng 100
27) 2,4-Dimethylphenol	7.892	122	333899	42.064	ng 100
28) bis(2-Chloroethoxy)met...	7.992	93	423022	40.789	ng 100
29) 2,4-Dichlorophenol	8.098	162	283011	43.580	ng 99
30) 1,2,4-Trichlorobenzene	8.192	180	303602	41.194	ng 99
31) Naphthalene	8.275	128	999363	40.543	ng 99
32) Benzoic acid	7.986	122	154256	40.223	ng 98
33) 4-Chloroaniline	8.310	127	408741	41.236	ng 99
34) Hexachlorobutadiene	8.392	225	182140	41.324	ng 99
35) Caprolactam	8.675	113	88286	43.536	ng 95
36) 4-Chloro-3-methylphenol	8.786	107	306624	42.387	ng 99
37) 2-Methylnaphthalene	8.963	142	597819	40.654	ng 100
38) 1-Methylnaphthalene	9.063	142	624130	40.922	ng 100
40) 1,2,4,5-Tetrachloroben...	9.128	216	293187	40.531	ng 99
41) Hexachlorocyclopentadiene	9.122	237	180819	45.086	ng 98
43) 2,4,6-Trichlorophenol	9.233	196	197565	43.955	ng 98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
 Data File : BF143101.D
 Acq On : 15 Jul 2025 17:27
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071525

Quant Time: Jul 15 17:54:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

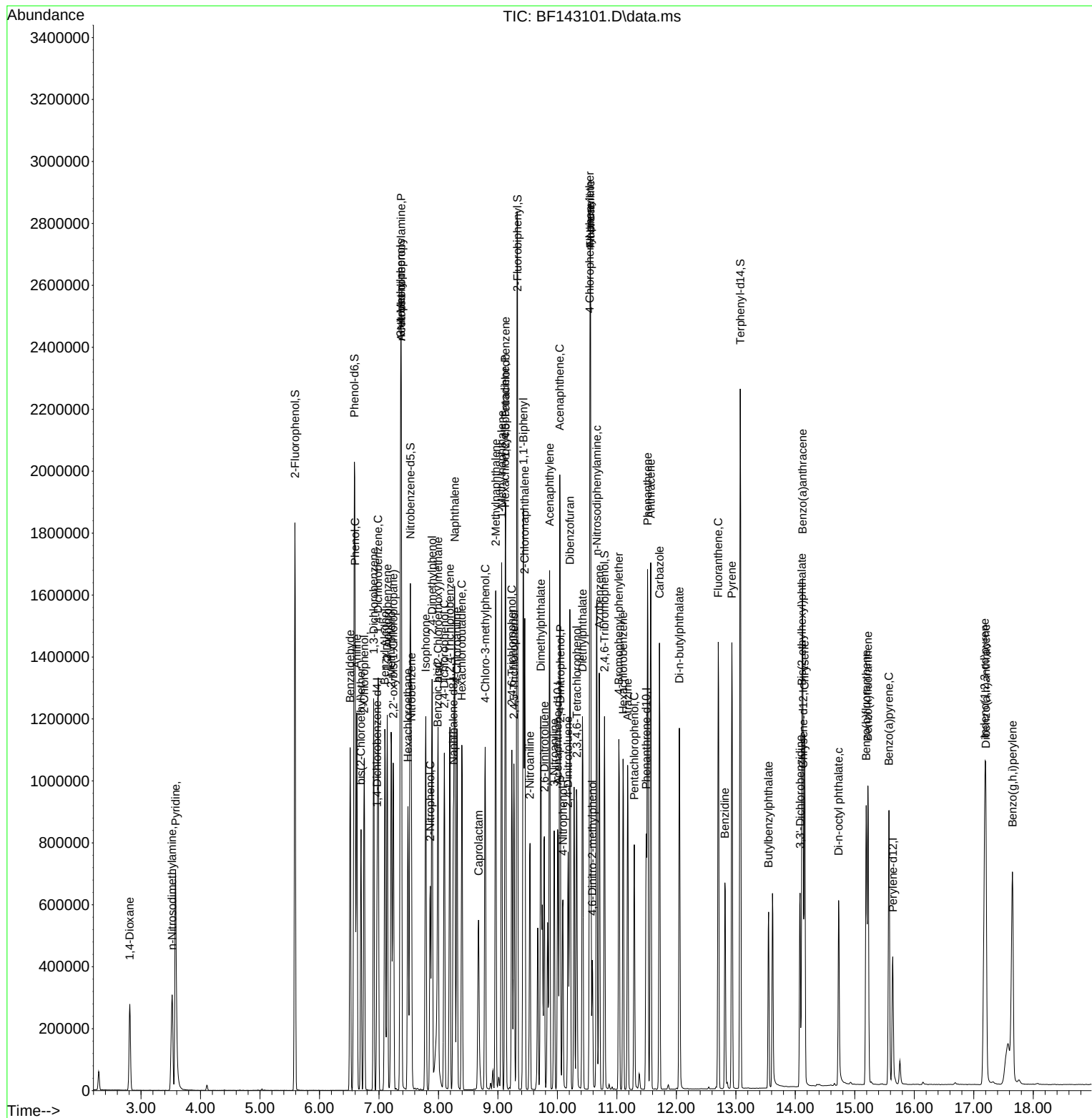
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	202658	43.001	ng	99
46) 1,1'-Biphenyl	9.428	154	799467	40.387	ng	100
47) 2-Chloronaphthalene	9.451	162	584687	40.207	ng	100
48) 2-Nitroaniline	9.539	65	185847	43.148	ng	96
49) Acenaphthylene	9.869	152	987106	40.736	ng	99
50) Dimethylphthalate	9.722	163	644618	41.279	ng	100
51) 2,6-Dinitrotoluene	9.780	165	132241	43.156	ng	92
52) Acenaphthene	10.039	154	571724	39.982	ng	99
53) 3-Nitroaniline	9.945	138	160978	47.707	ng	99
54) 2,4-Dinitrophenol	10.051	184	46465	47.113	ng	# 1
55) Dibenzofuran	10.210	168	858944	40.300	ng	100
56) 4-Nitrophenol	10.092	139	122610	45.720	ng	96
57) 2,4-Dinitrotoluene	10.180	165	168227	43.964	ng	99
58) Fluorene	10.557	166	634897	39.732	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.327	232	168172	44.902	ng	98
60) Diethylphthalate	10.422	149	637247	42.297	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	313111	40.882	ng	98
62) 4-Nitroaniline	10.557	138	139342	47.486	ng	98
63) Azobenzene	10.704	77	680354	40.833	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	65266	44.754	ng	98
66) n-Nitrosodiphenylamine	10.663	169	563086	40.179	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	189573	41.782	ng	100
68) Hexachlorobenzene	11.104	284	196969	40.915	ng	99
69) Atrazine	11.180	200	158741	44.273	ng	98
70) Pentachlorophenol	11.292	266	118797	44.978	ng	99
71) Phenanthrene	11.516	178	871369	40.469	ng	100
72) Anthracene	11.569	178	887738	40.999	ng	100
73) Carbazole	11.716	167	791886	40.823	ng	99
74) Di-n-butylphthalate	12.051	149	820833	46.099	ng	100
75) Fluoranthene	12.704	202	824497	42.113	ng	100
77) Benzidine	12.816	184	350573	47.827	ng	98
78) Pyrene	12.933	202	820201	41.087	ng	100
80) Butylbenzylphthalate	13.551	149	172390	43.340	ng	100
81) Benzo(a)anthracene	14.121	228	583794	40.719	ng	100
82) 3,3'-Dichlorobenzidine	14.080	252	183371	44.044	ng	99
83) Chrysene	14.157	228	530018	40.139	ng	98
84) Bis(2-ethylhexyl)phtha...	14.110	149	239329	40.166	ng	99
85) Di-n-octyl phthalate	14.727	149	424959	38.648	ng	100
87) Indeno(1,2,3-cd)pyrene	17.186	276	744447	42.503	ng	100
88) Benzo(b)fluoranthene	15.192	252	594727	43.782	ng	100
89) Benzo(k)fluoranthene	15.221	252	513977	39.662	ng	99
90) Benzo(a)pyrene	15.574	252	548875	42.724	ng	99
91) Dibenzo(a,h)anthracene	17.203	278	611881	42.735	ng	99
92) Benzo(g,h,i)perylene	17.651	276	632939	43.359	ng	99

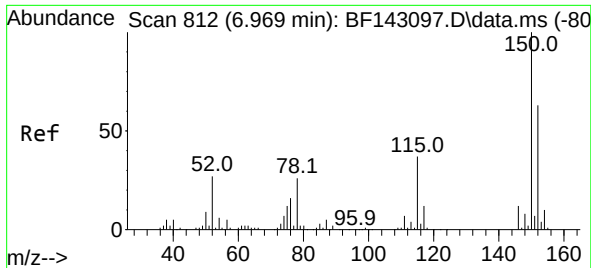
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

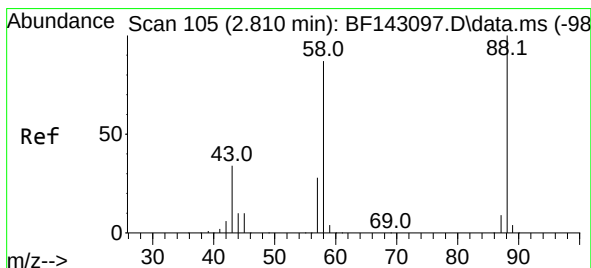
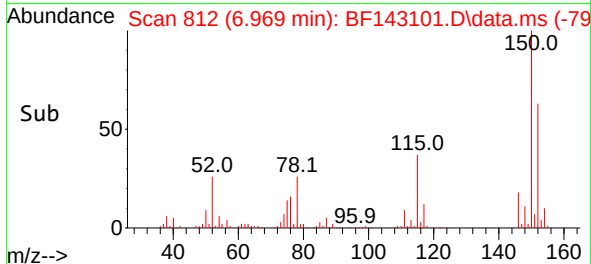
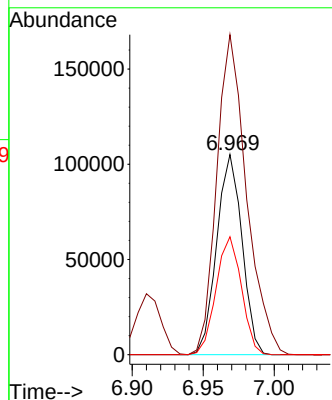
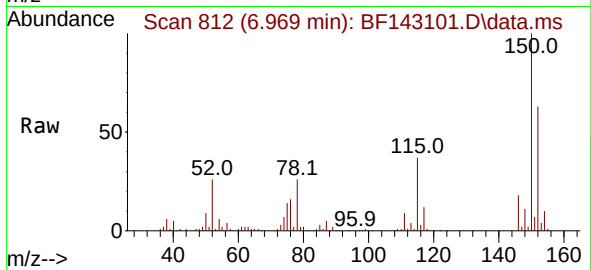




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

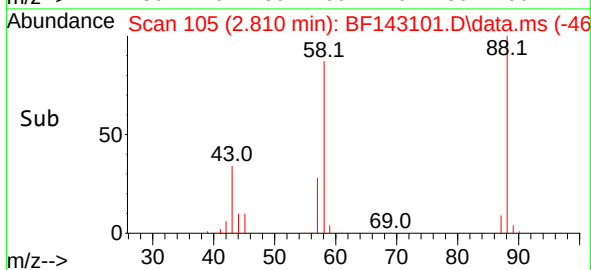
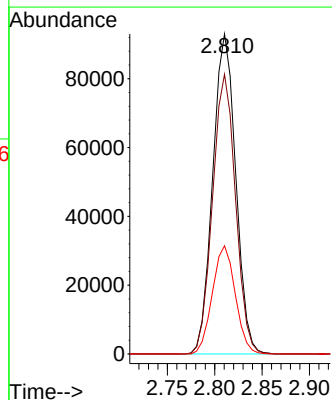
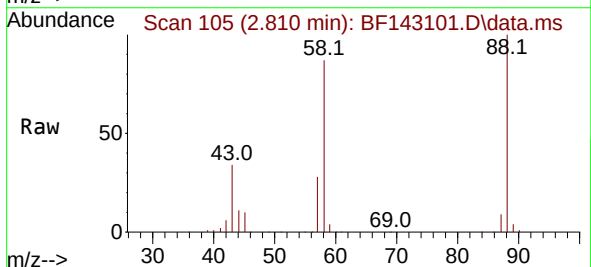
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

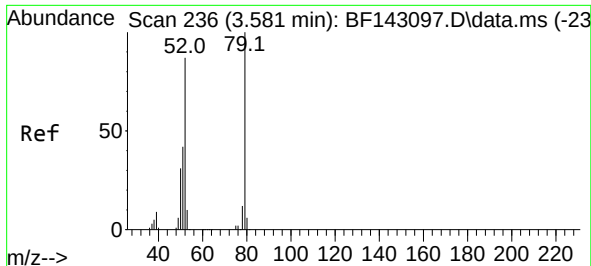
Tgt Ion:152 Resp: 130235
Ion Ratio Lower Upper
152 100
150 159.9 126.5 189.7
115 58.9 47.0 70.6



#2
1,4-Dioxane
Concen: 38.242 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 88 Resp: 156917
Ion Ratio Lower Upper
88 100
58 87.3 70.5 105.7
43 33.7 27.3 40.9

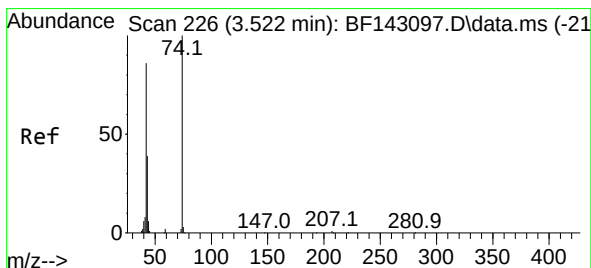
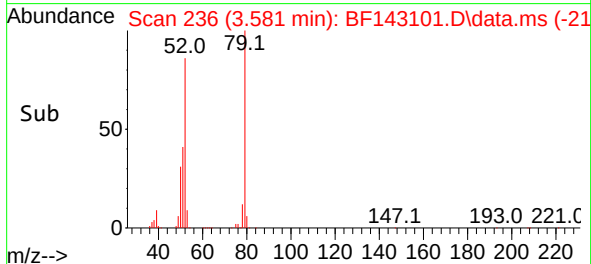
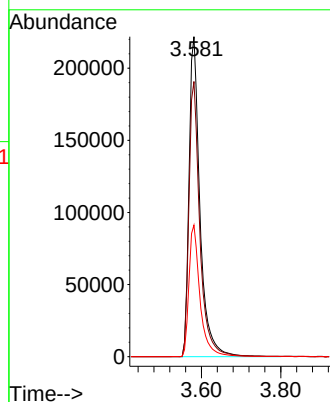
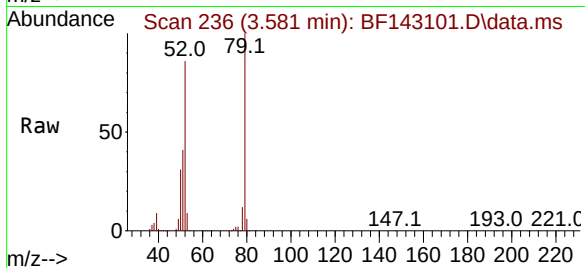




#3
Pyridine
Concen: 41.009 ng
RT: 3.581 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

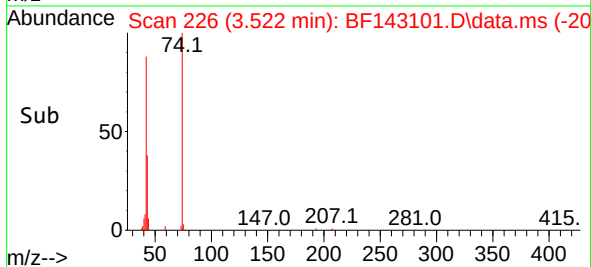
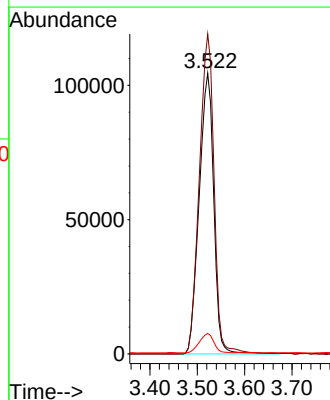
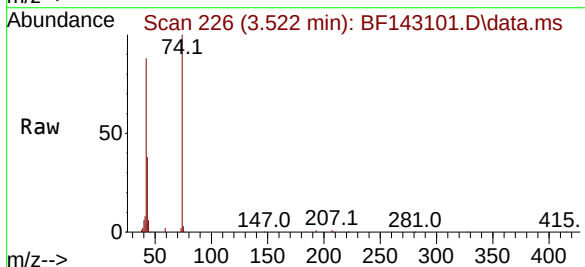
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

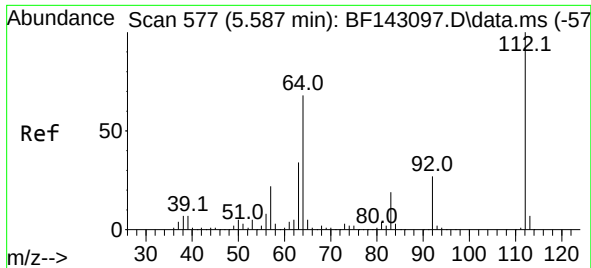
Tgt Ion: 79 Resp: 426106
Ion Ratio Lower Upper
79 100
52 86.0 69.2 103.8
51 41.1 33.3 49.9



#4
n-Nitrosodimethylamine
Concen: 41.468 ng
RT: 3.522 min Scan# 226
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 42 Resp: 223240
Ion Ratio Lower Upper
42 100
74 114.0 92.8 139.2
44 7.3 5.8 8.6

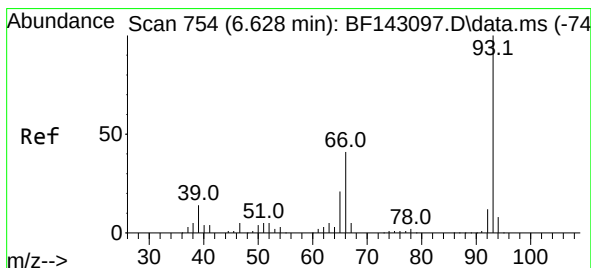
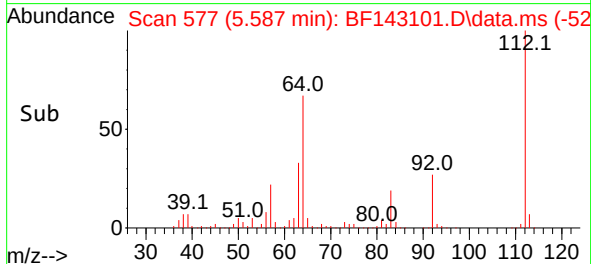
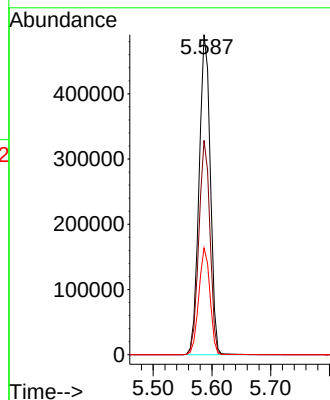
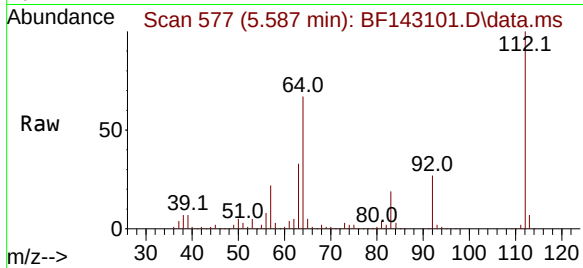




#5
2-Fluorophenol
Concen: 78.799 ng
RT: 5.587 min Scan# 511
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

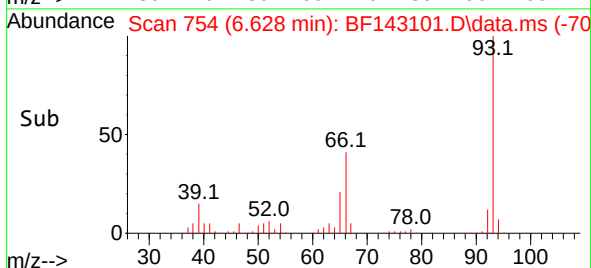
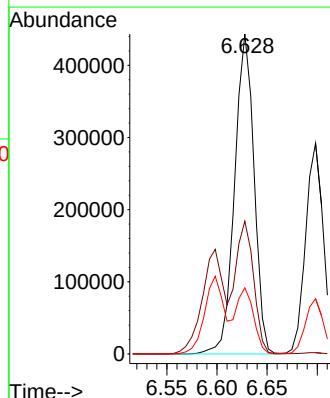
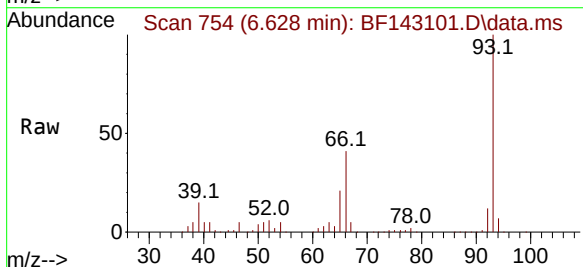
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

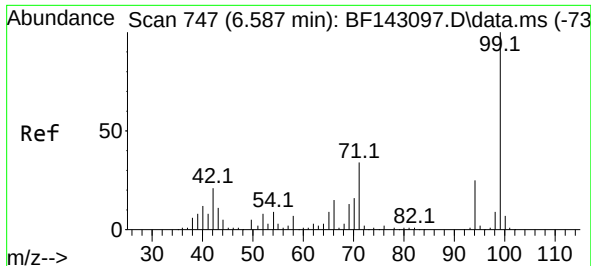
Tgt Ion:112 Resp: 649544
Ion Ratio Lower Upper
112 100
64 67.0 54.6 82.0
63 33.4 27.3 40.9



#6
Aniline
Concen: 41.038 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 93 Resp: 598787
Ion Ratio Lower Upper
93 100
66 41.5 33.1 49.7
65 20.7 16.9 25.3

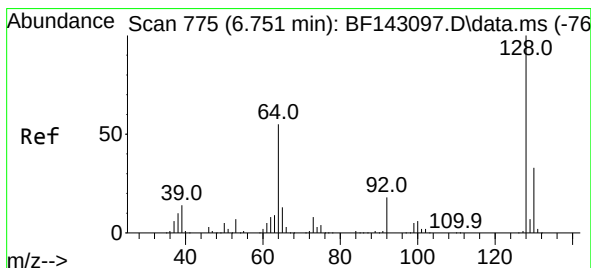
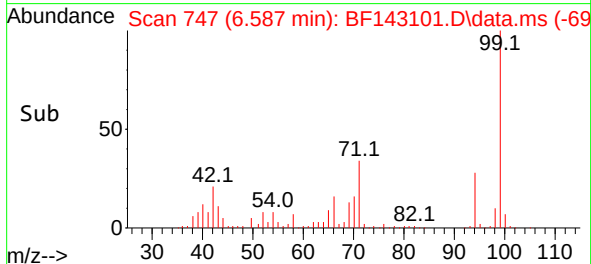
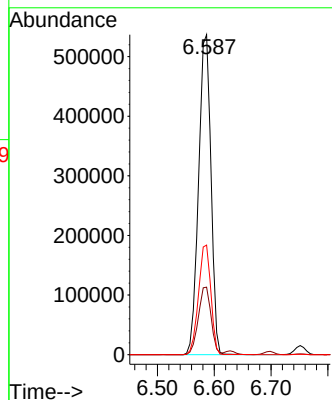
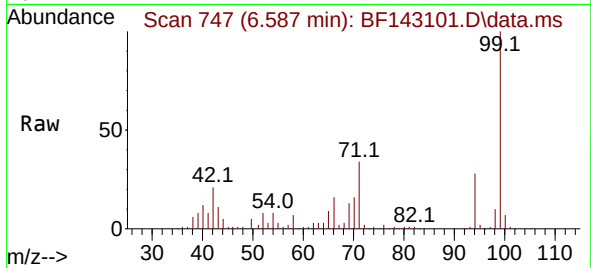




#7
Phenol-d6
Concen: 78.598 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

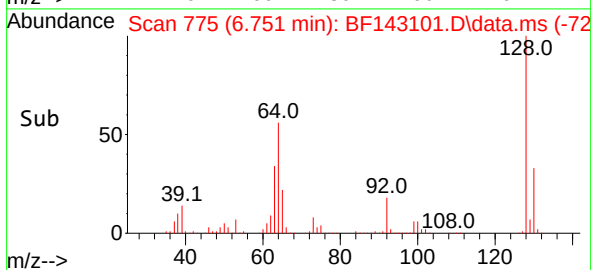
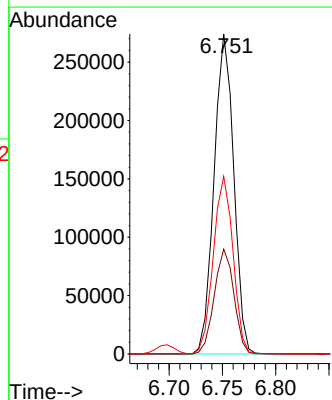
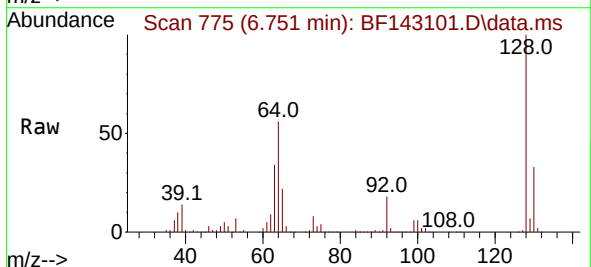
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

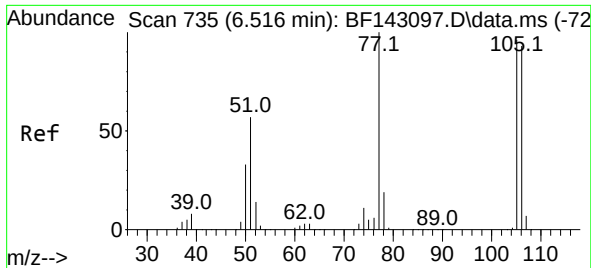
Tgt Ion: 99 Resp: 814393
Ion Ratio Lower Upper
99 100
42 21.1 17.2 25.8
71 34.2 27.4 41.0



#8
2-Chlorophenol
Concen: 42.397 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:128 Resp: 351129
Ion Ratio Lower Upper
128 100
130 32.8 12.8 52.8
64 55.5 36.1 76.1





#9

Benzaldehyde

Concen: 37.115 ng

RT: 6.516 min Scan# 710

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

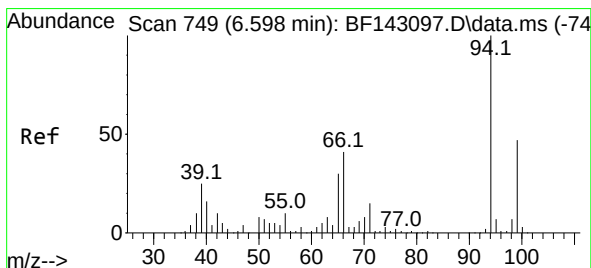
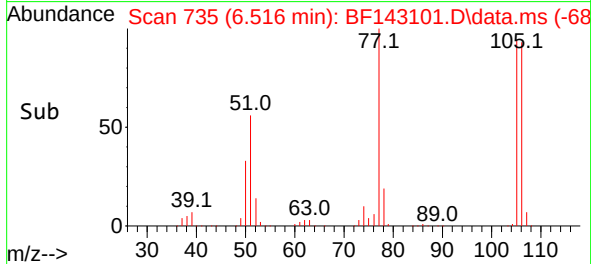
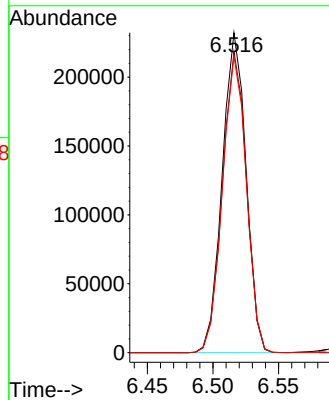
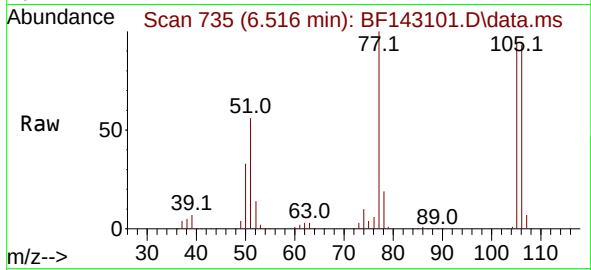
Tgt Ion: 77 Resp: 293033

Ion Ratio Lower Upper

77 100

105 94.0 76.3 116.3

106 92.5 72.8 112.8



#10

Phenol

Concen: 44.065 ng

RT: 6.598 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

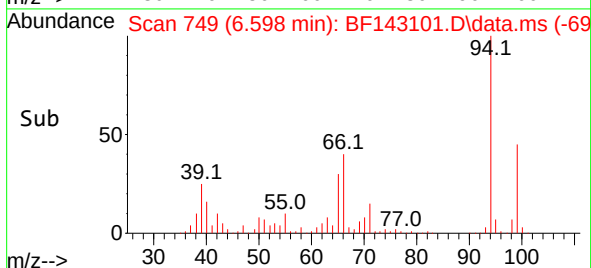
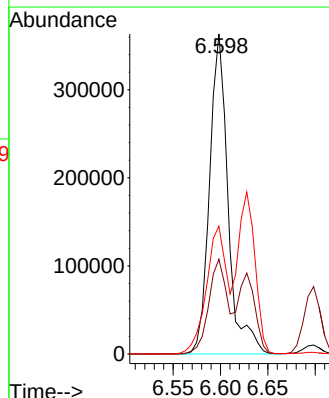
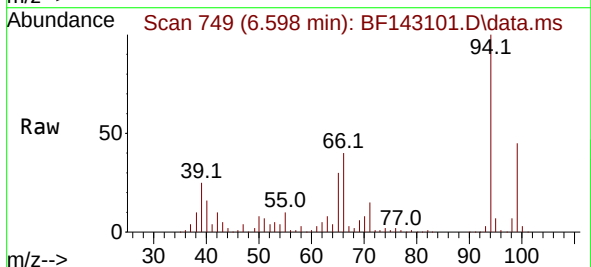
Tgt Ion: 94 Resp: 494279

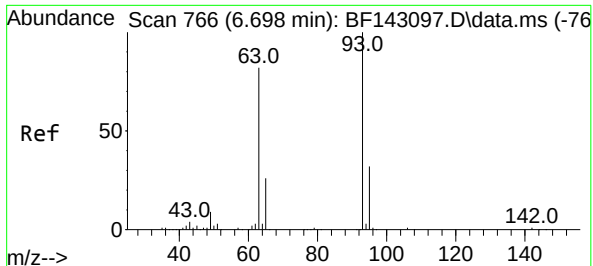
Ion Ratio Lower Upper

94 100

65 29.6 9.8 49.8

66 39.9 20.5 60.5

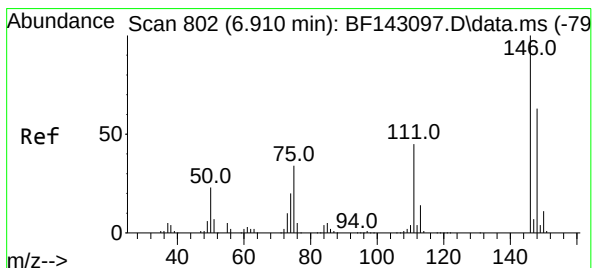
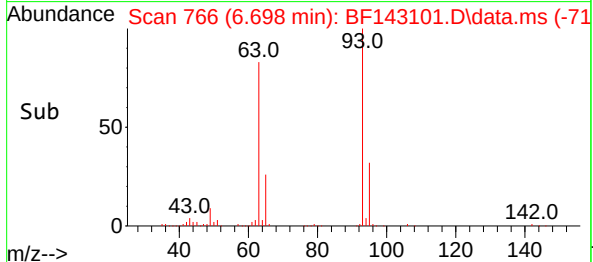
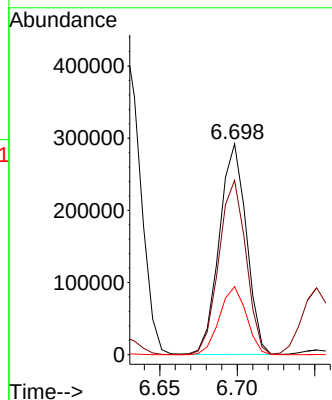
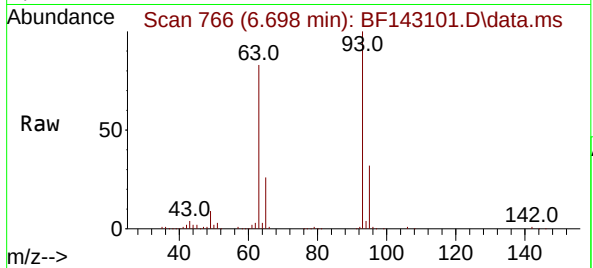




#11
bis(2-Chloroethyl)ether
Concen: 40.848 ng
RT: 6.698 min Scan# 766
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

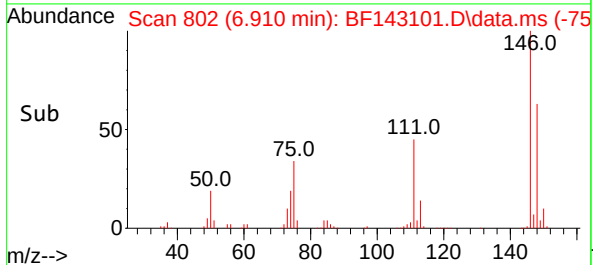
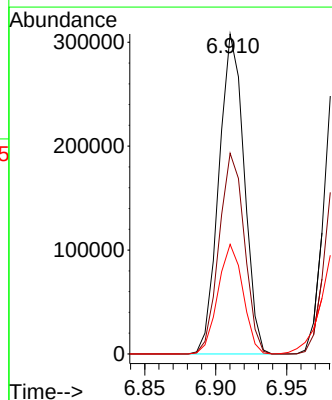
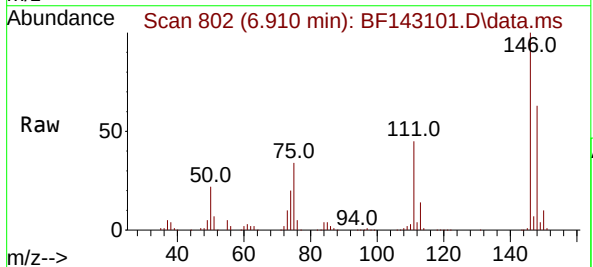
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

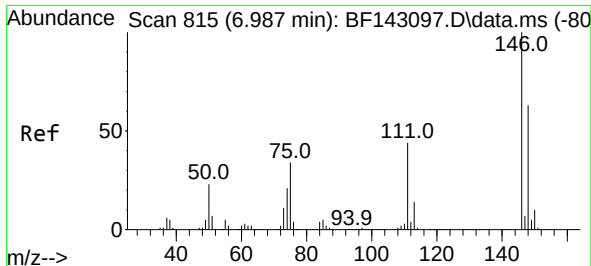
Tgt Ion: 93 Resp: 354713
Ion Ratio Lower Upper
93 100
63 82.7 61.9 101.9
95 32.3 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 40.694 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 146 Resp: 380756
Ion Ratio Lower Upper
146 100
148 62.7 50.1 75.1
75 34.2 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 40.539 ng

RT: 6.987 min Scan# 815

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

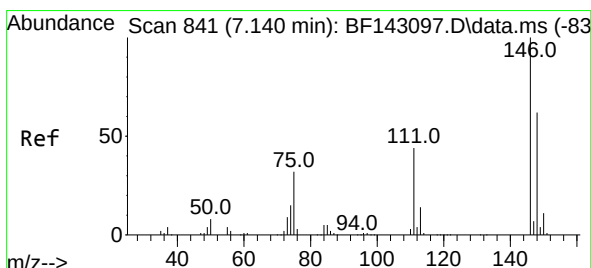
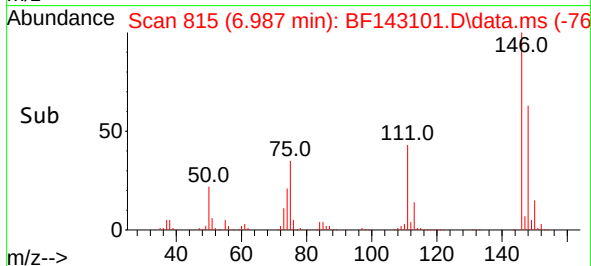
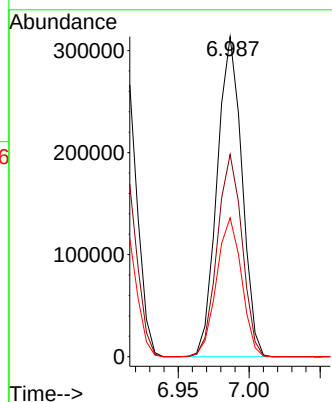
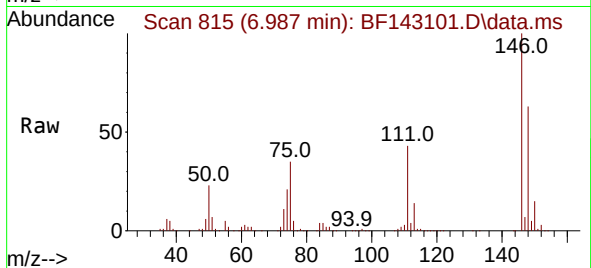
Tgt Ion:146 Resp: 381590

Ion Ratio Lower Upper

146 100

148 63.2 50.6 76.0

111 43.4 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 40.782 ng

RT: 7.139 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

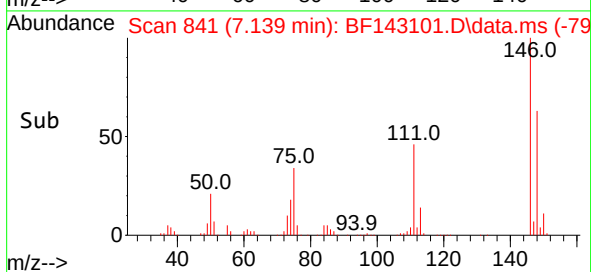
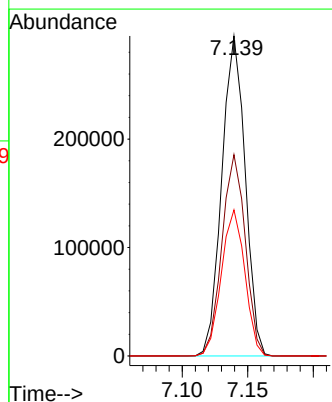
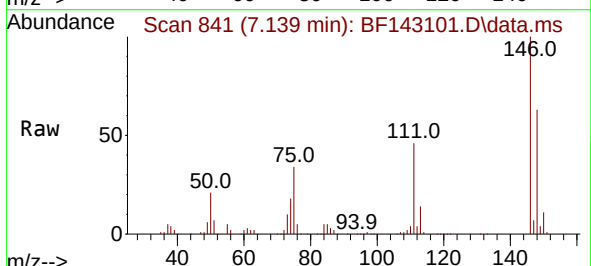
Tgt Ion:146 Resp: 366082

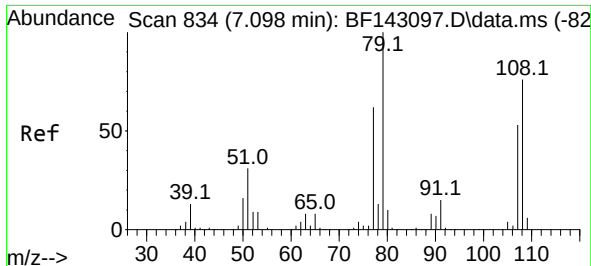
Ion Ratio Lower Upper

146 100

148 62.9 49.8 74.6

111 45.7 35.4 53.0

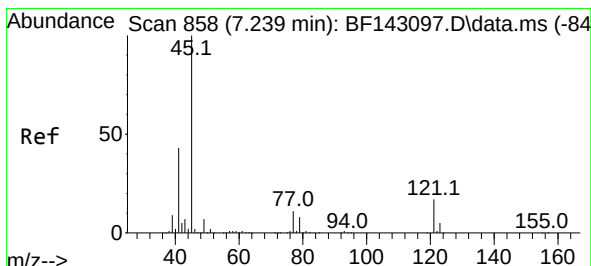
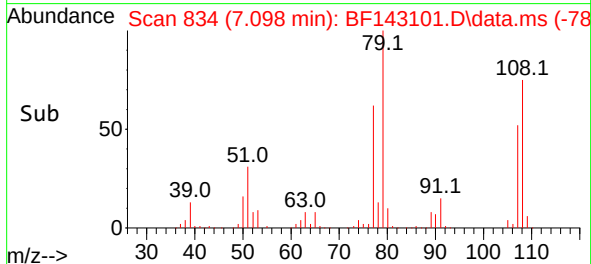
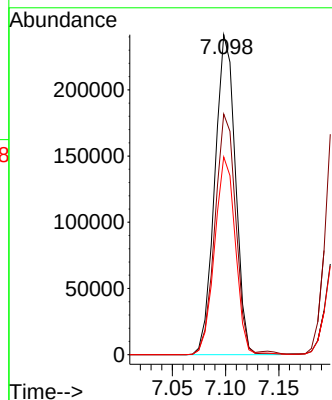
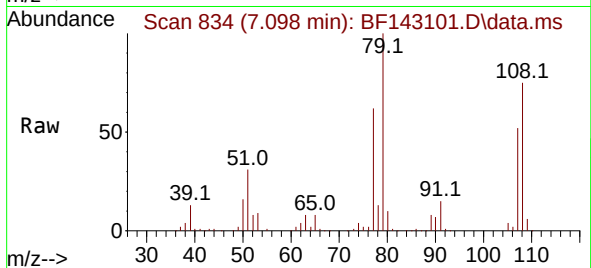




#15
Benzyl Alcohol
Concen: 42.336 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

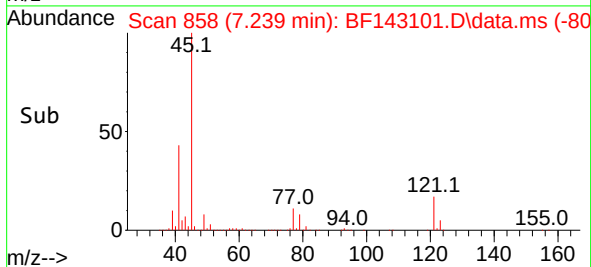
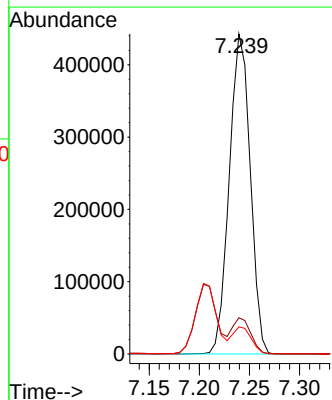
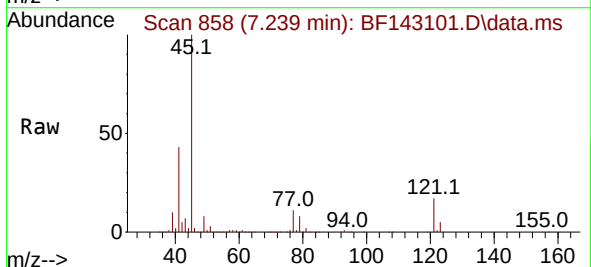
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

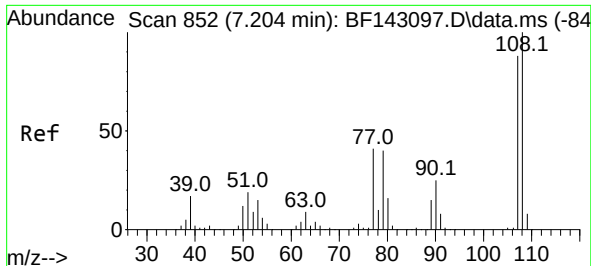
Tgt Ion: 79 Resp: 325035
Ion Ratio Lower Upper
79 100
108 75.2 61.1 91.7
77 61.8 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.273 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 45 Resp: 644651
Ion Ratio Lower Upper
45 100
77 11.3 0.0 31.1
79 8.4 0.0 28.4





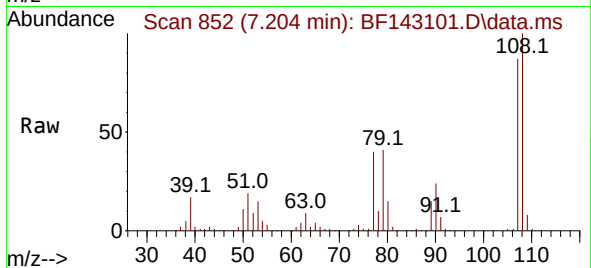
#17
2-Methylphenol
Concen: 41.532 ng
RT: 7.204 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :

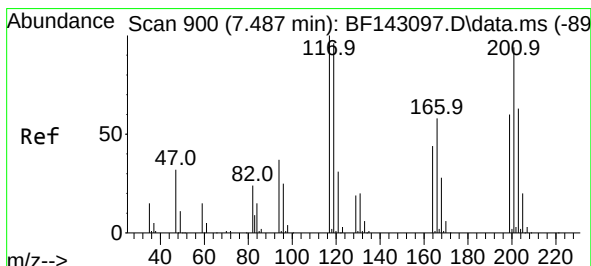
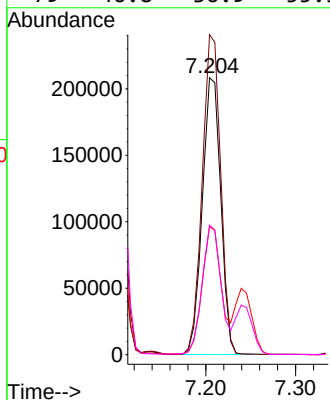
BNA_F

ClientSampleId :

ICVBF071525

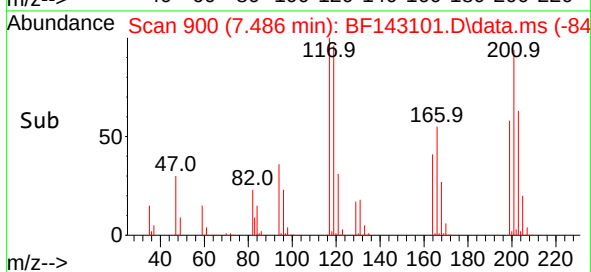
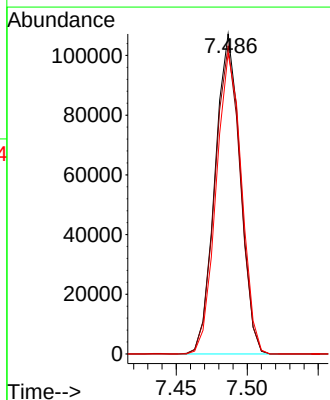
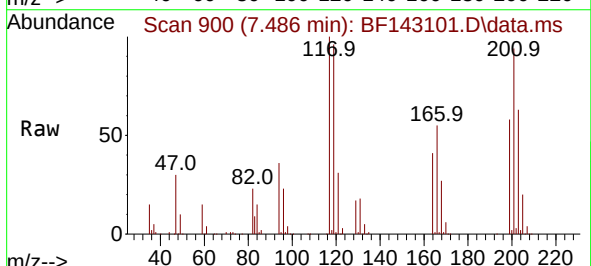


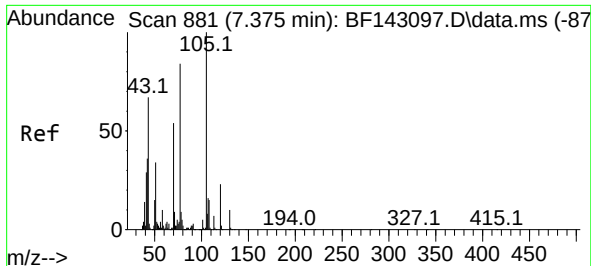
Tgt Ion:	107	Resp:	296835
Ion	Ratio	Lower	Upper
107	100		
108	115.5	90.9	136.3
77	46.3	37.5	56.3
79	46.8	36.9	55.3



#18
Hexachloroethane
Concen: 43.239 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:	117	Resp:	132499
Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.7	115.1
201	93.9	75.0	112.4



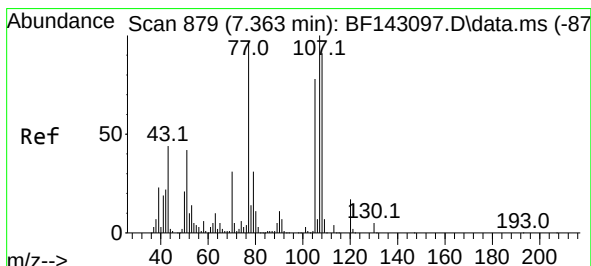
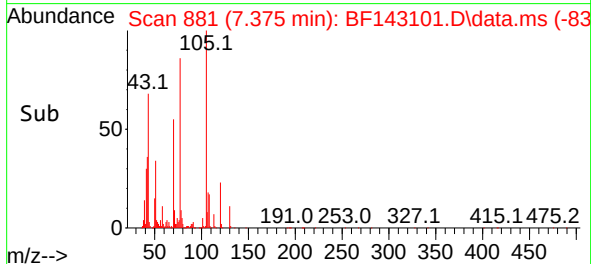
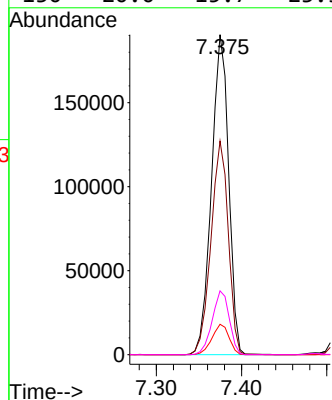
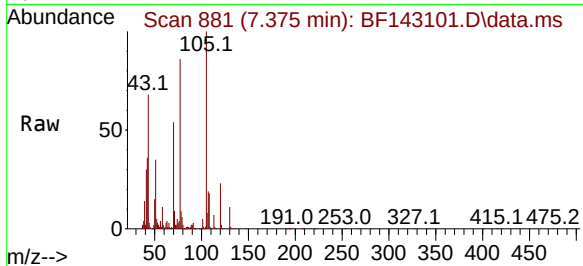


#19
n-Nitroso-di-n-propylamine
Concen: 41.982 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion: 70 Resp: 266499

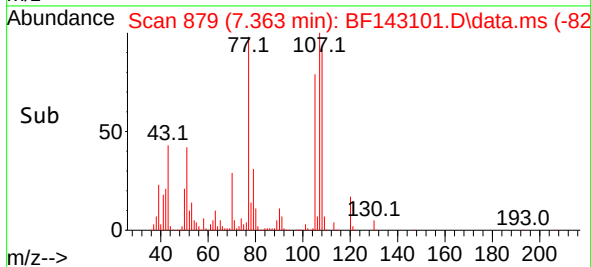
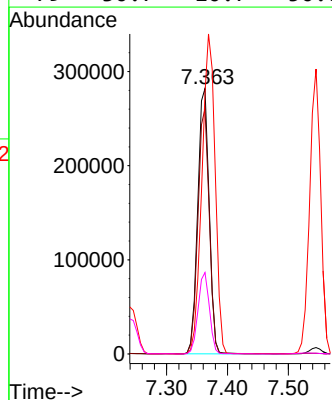
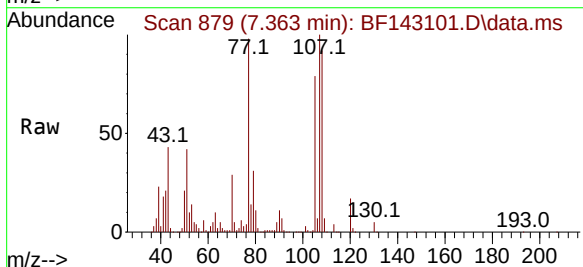
Ion	Ratio	Lower	Upper
70	100		
42	66.7	53.2	79.8
101	9.5	7.5	11.3
130	20.0	15.7	23.5

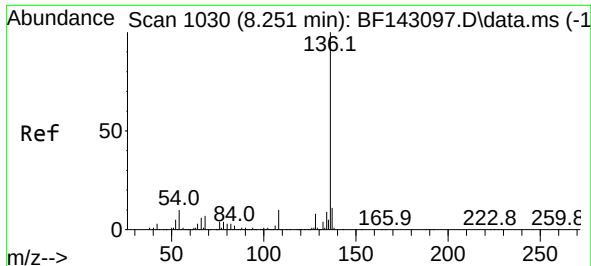


#20
3+4-Methylphenols
Concen: 42.057 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 107 Resp: 368618

Ion	Ratio	Lower	Upper
107	100		
108	92.5	71.3	111.3
77	98.3	77.2	117.2
79	30.7	10.7	50.7



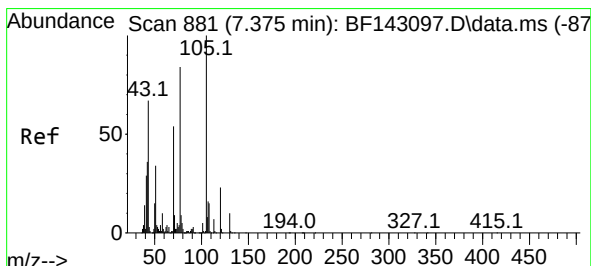
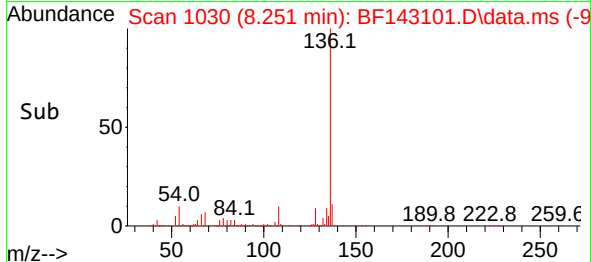
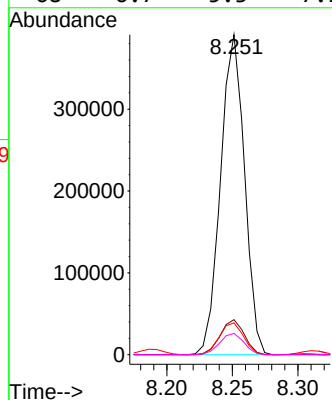
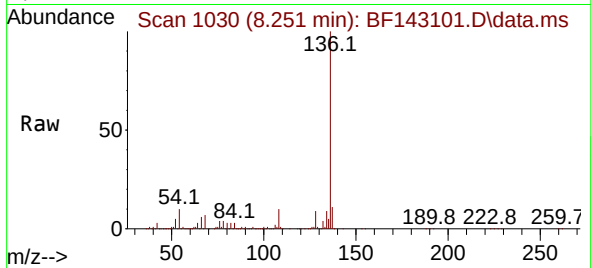


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:136 Resp: 496378

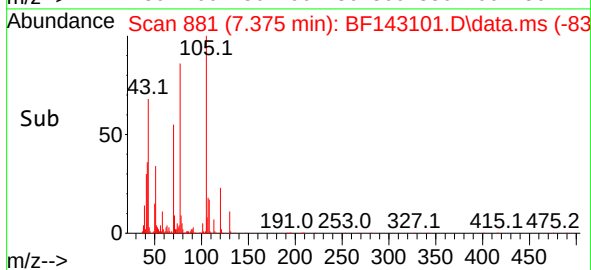
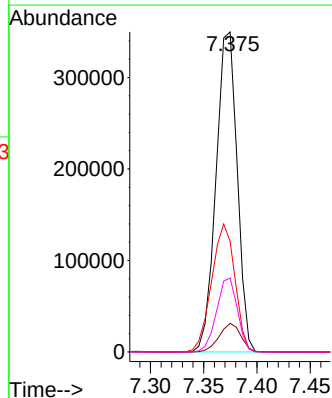
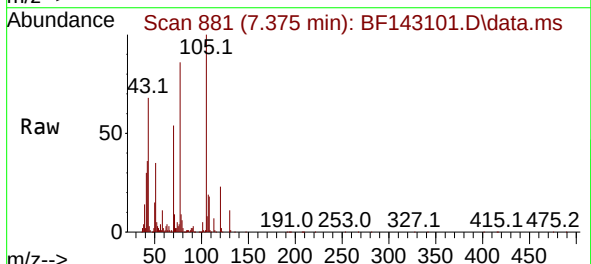
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.9	8.3	12.5
68	6.7	5.3	7.9

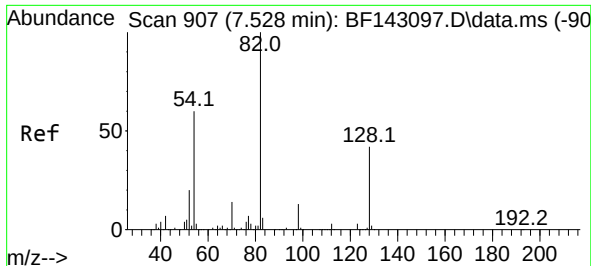


#22
Acetophenone
Concen: 40.351 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:105 Resp: 482823

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	34.6	27.0	40.4
120	23.1	18.2	27.2

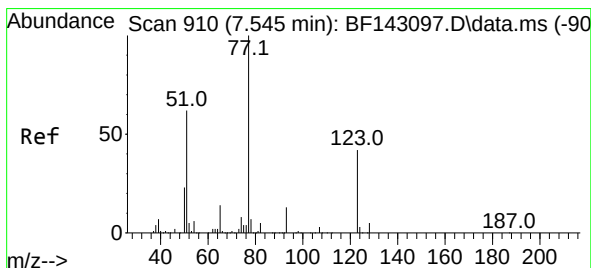
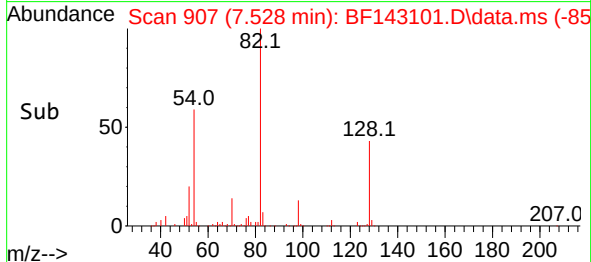
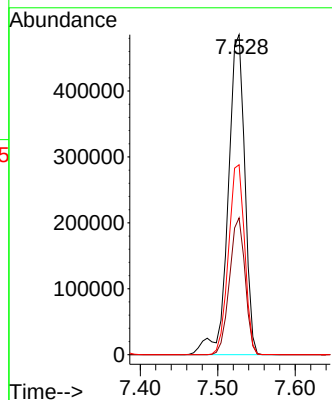
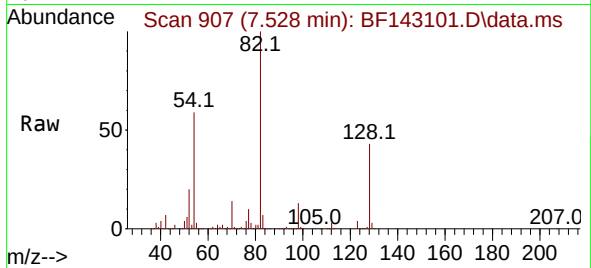




#23
Nitrobenzene-d5
Concen: 82.157 ng
RT: 7.528 min Scan# 907
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

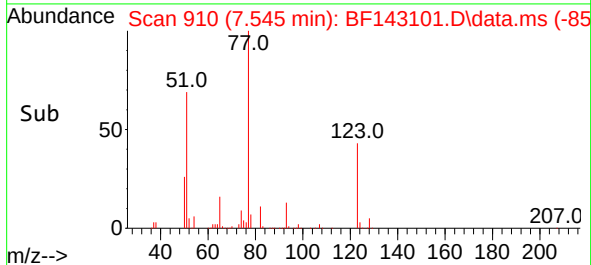
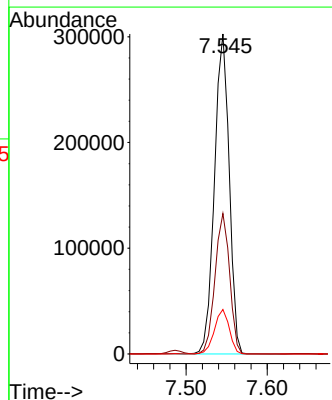
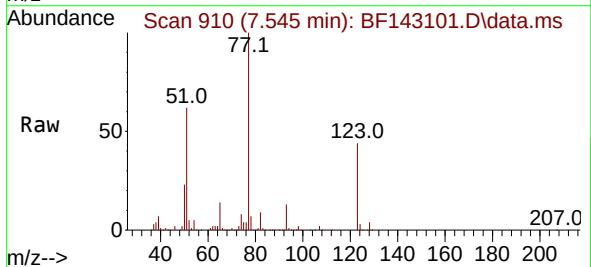
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

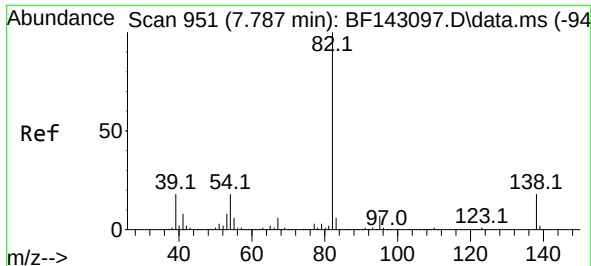
Tgt Ion: 82 Resp: 726961
Ion Ratio Lower Upper
82 100
128 42.8 33.3 49.9
54 59.4 47.4 71.2



#24
Nitrobenzene
Concen: 44.647 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 77 Resp: 381374
Ion Ratio Lower Upper
77 100
123 43.9 34.5 51.7
65 13.9 11.3 16.9

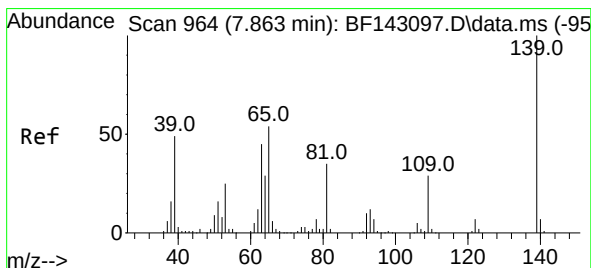
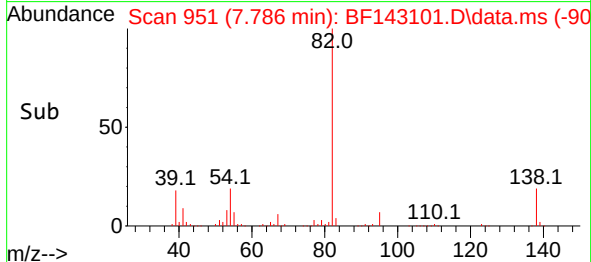
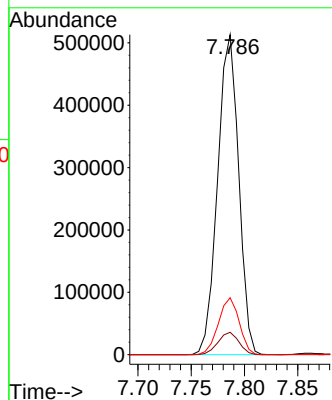
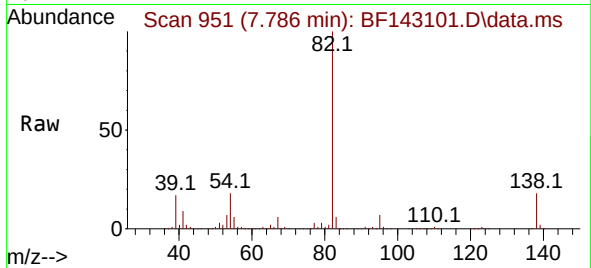




#25
Isophorone
Concen: 41.188 ng
RT: 7.786 min Scan# 911
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

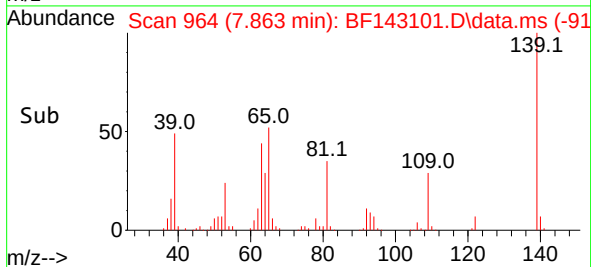
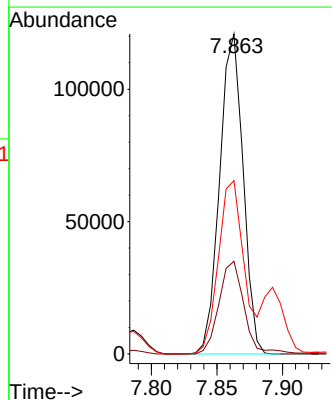
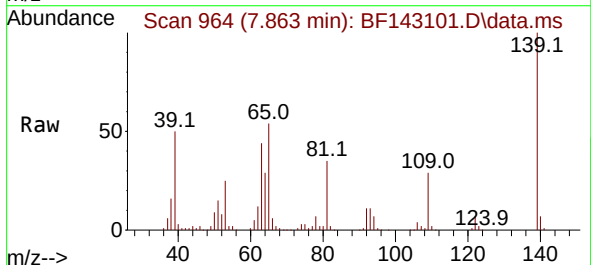
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

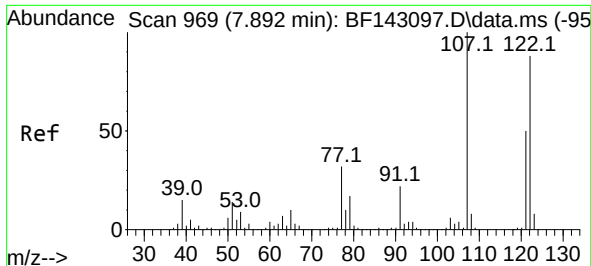
Tgt Ion: 82 Resp: 704424
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 17.8 14.3 21.5



#26
2-Nitrophenol
Concen: 44.317 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:139 Resp: 150156
Ion Ratio Lower Upper
139 100
109 29.0 23.4 35.0
65 54.1 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 42.064 ng

RT: 7.892 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

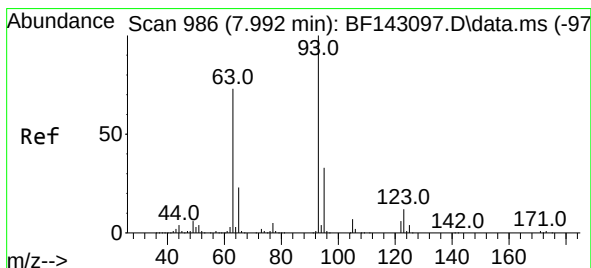
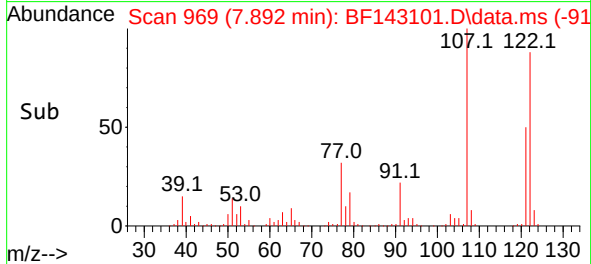
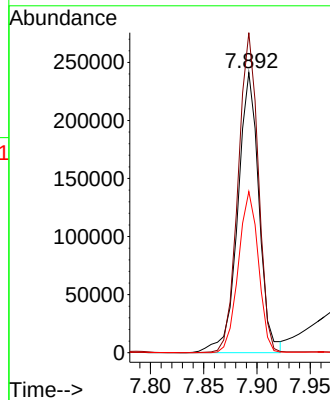
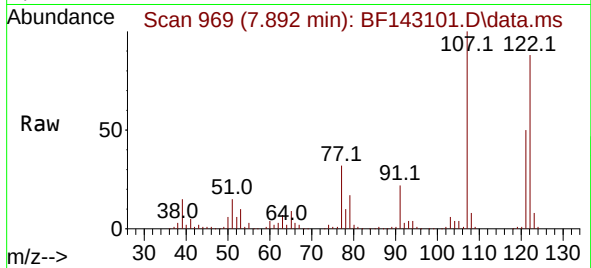
Tgt Ion:122 Resp: 333899

Ion Ratio Lower Upper

122 100

107 114.2 91.3 136.9

121 57.5 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 40.789 ng

RT: 7.992 min Scan# 986

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

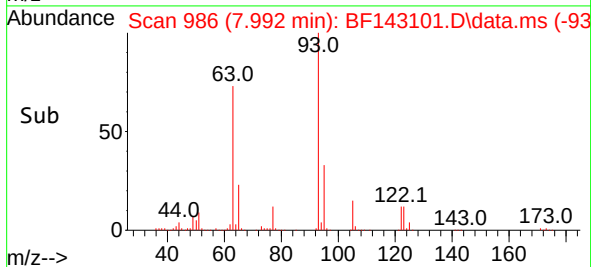
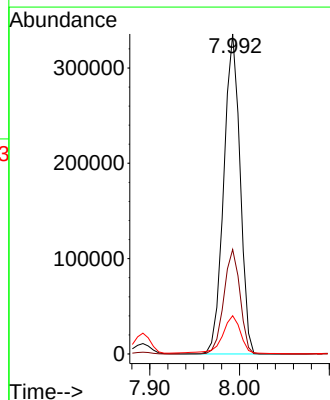
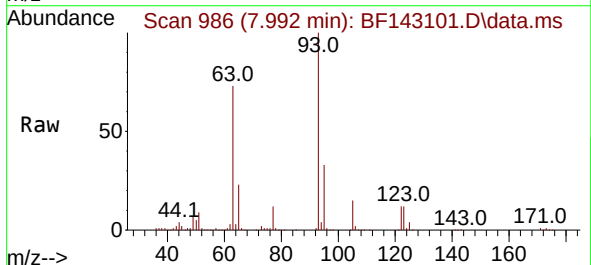
Tgt Ion: 93 Resp: 423022

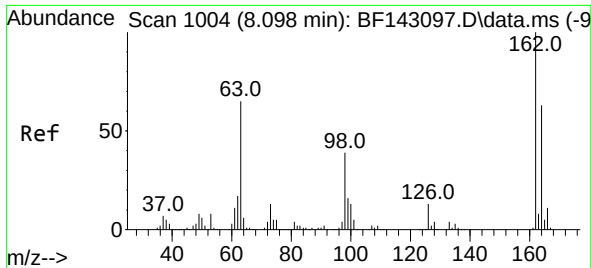
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

123 11.9 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 43.580 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

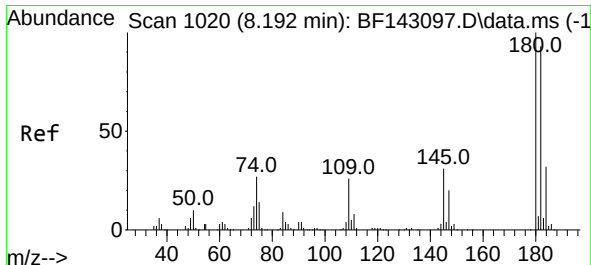
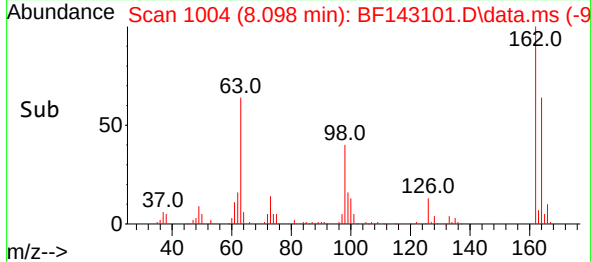
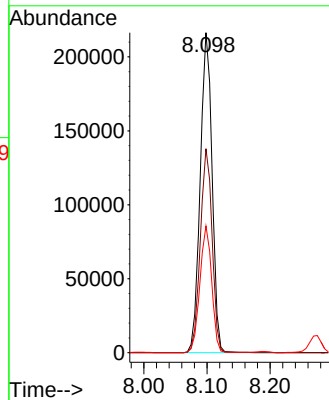
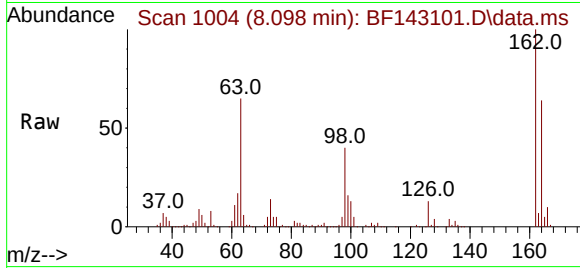
Tgt Ion:162 Resp: 283011

Ion Ratio Lower Upper

162 100

164 63.7 43.1 83.1

98 39.6 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 41.194 ng

RT: 8.192 min Scan# 1020

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

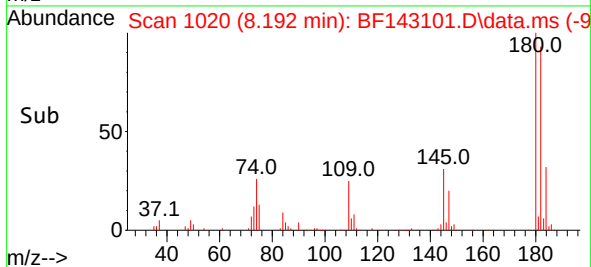
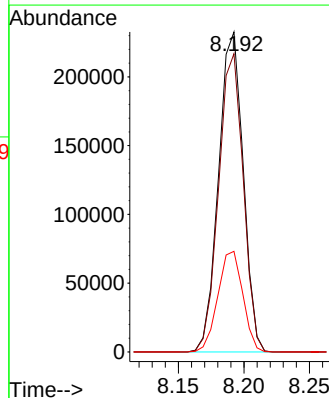
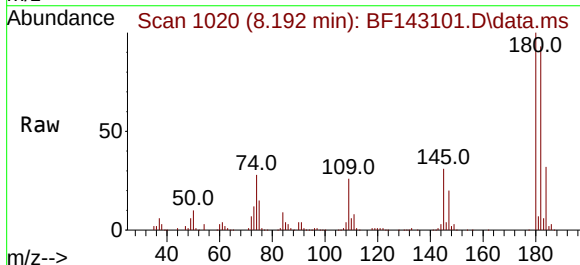
Tgt Ion:180 Resp: 303602

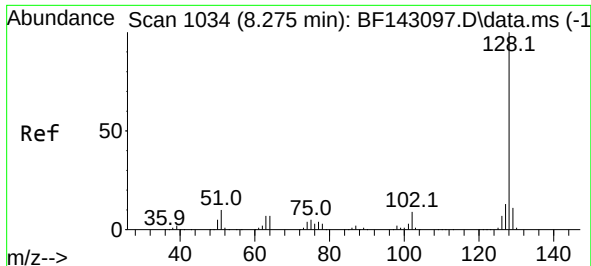
Ion Ratio Lower Upper

180 100

182 93.2 74.7 112.1

145 31.4 24.5 36.7

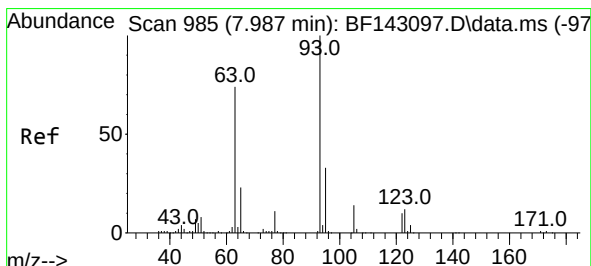
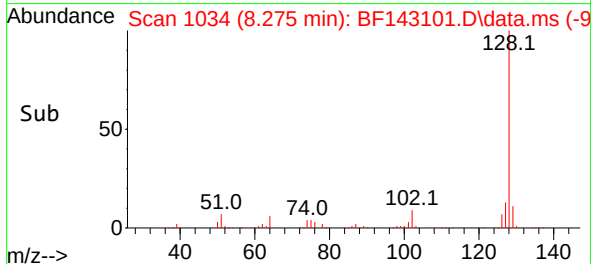
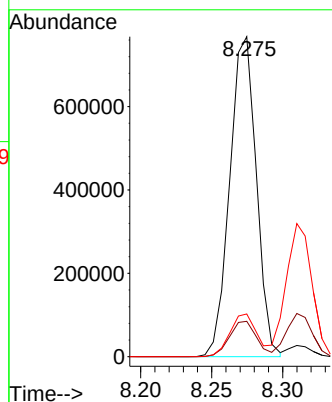
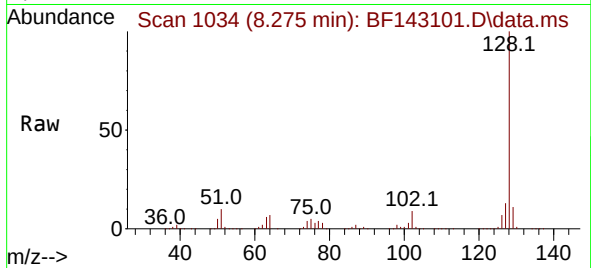




#31
Naphthalene
Concen: 40.543 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

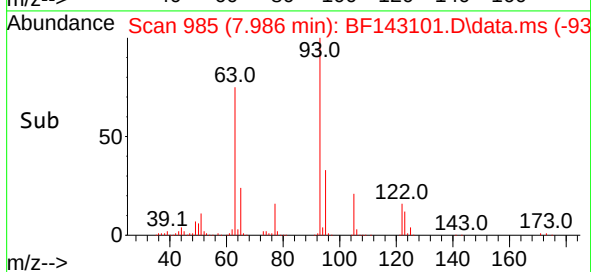
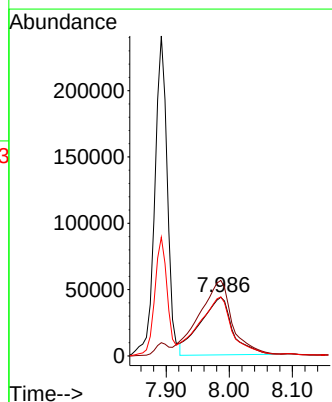
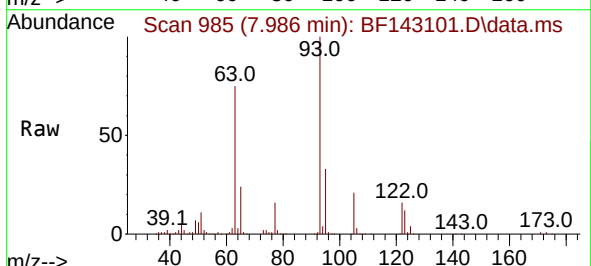
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

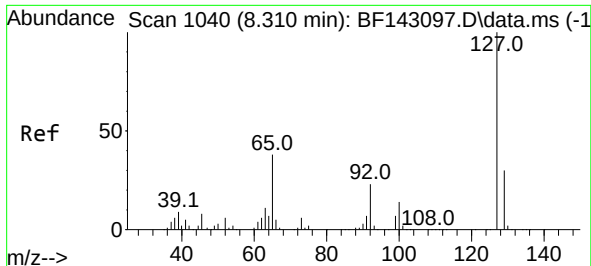
Tgt Ion:128 Resp: 999363
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.3 10.5 15.7



#32
Benzoic acid
Concen: 40.223 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.001 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:122 Resp: 154256
Ion Ratio Lower Upper
122 100
105 128.4 105.4 145.4
77 100.3 78.6 118.6

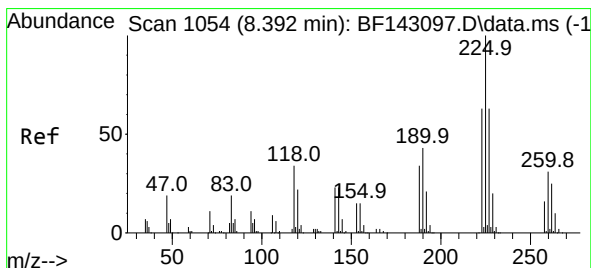
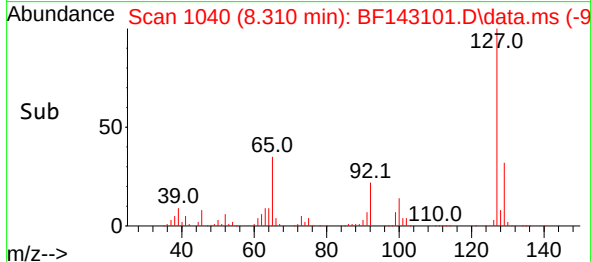
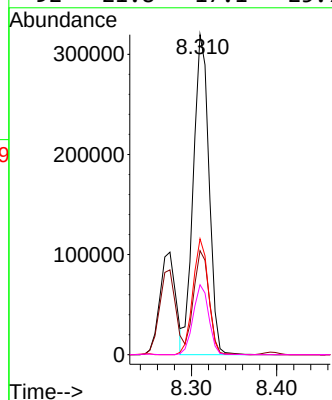
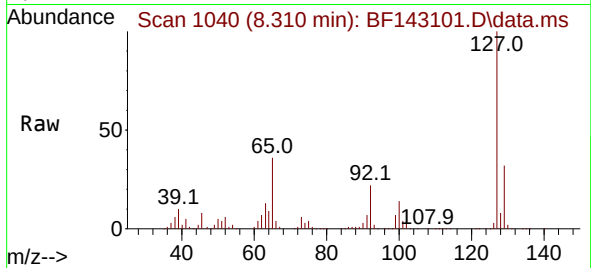




#33
4-Chloroaniline
Concen: 41.236 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

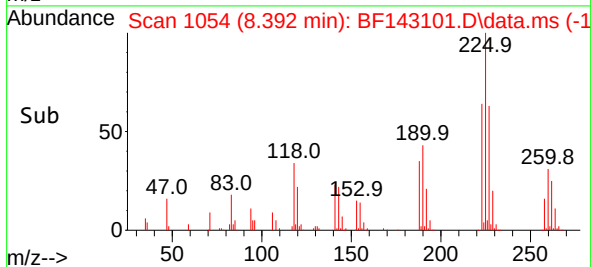
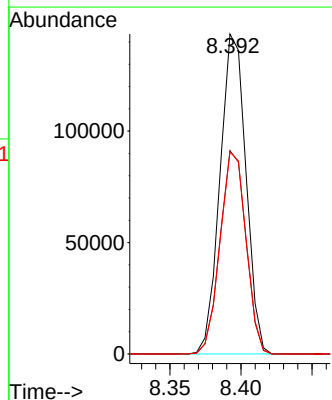
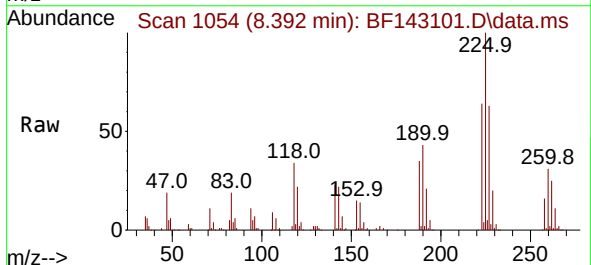
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

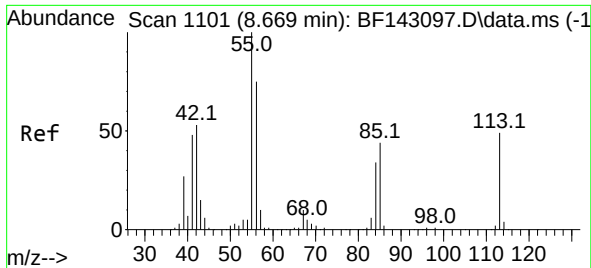
Tgt Ion:	127	Resp:	408741
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	36.2	28.6	42.8
92	21.8	17.1	25.7



#34
Hexachlorobutadiene
Concen: 41.324 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:	225	Resp:	182140
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	63.1	50.1	75.1

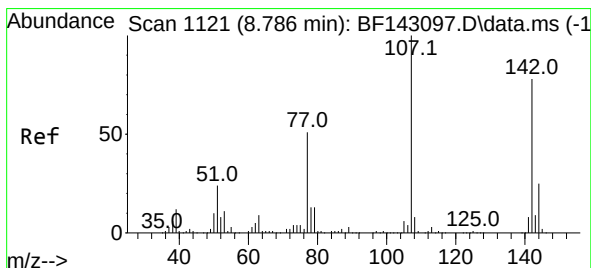
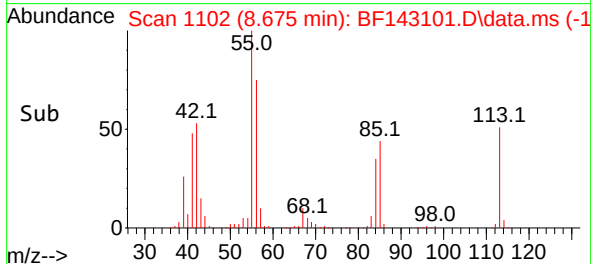
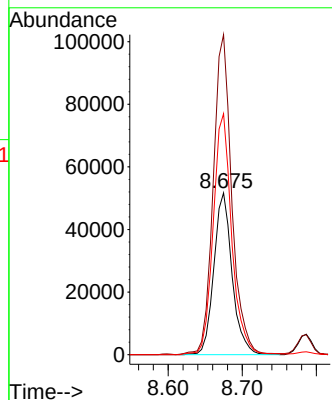
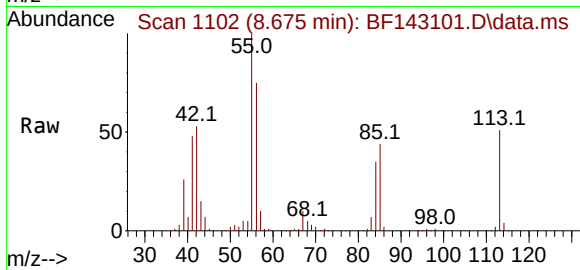




#35
 Caprolactam
 Concen: 43.536 ng
 RT: 8.675 min Scan# 1101
 Delta R.T. 0.006 min
 Lab File: BF143101.D
 Acq: 15 Jul 2025 17:27

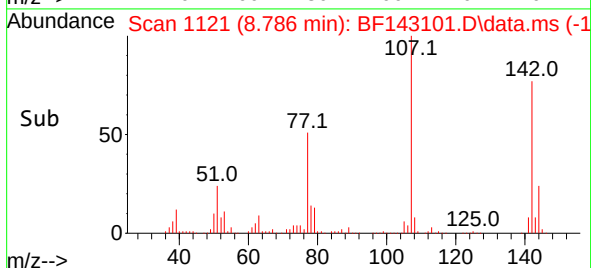
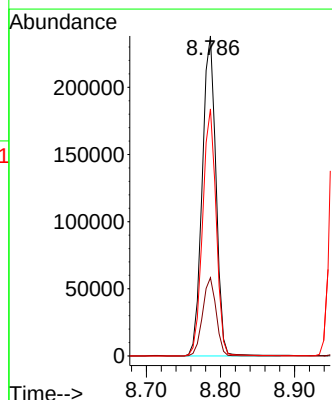
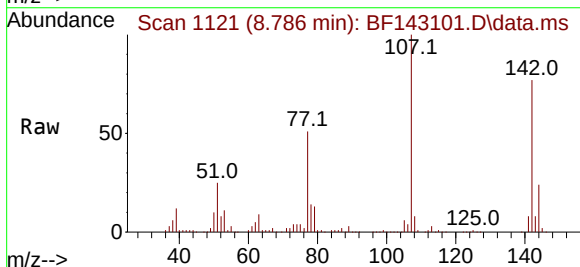
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071525

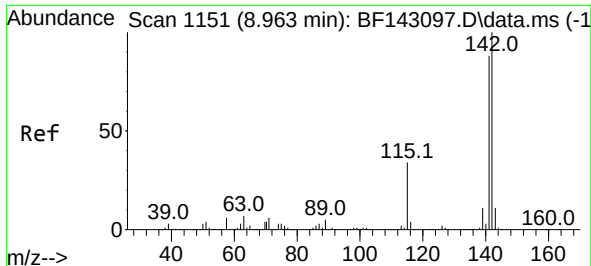
Tgt Ion:113 Resp: 88286
 Ion Ratio Lower Upper
 113 100
 55 197.8 186.2 226.2
 56 148.9 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 42.387 ng
 RT: 8.786 min Scan# 1121
 Delta R.T. -0.000 min
 Lab File: BF143101.D
 Acq: 15 Jul 2025 17:27

Tgt Ion:107 Resp: 306624
 Ion Ratio Lower Upper
 107 100
 144 24.4 20.2 30.2
 142 77.2 62.4 93.6





#37

2-Methylnaphthalene

Concen: 40.654 ng

RT: 8.963 min Scan# 1151

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

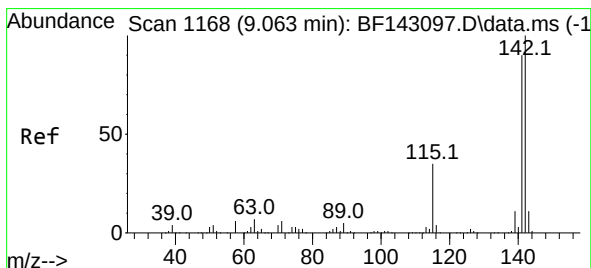
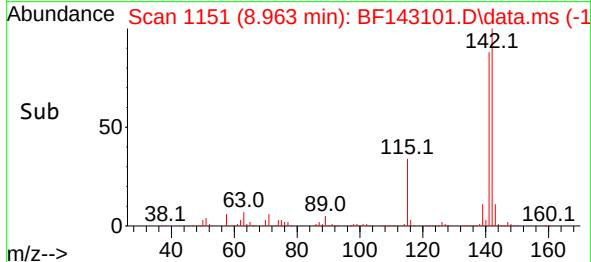
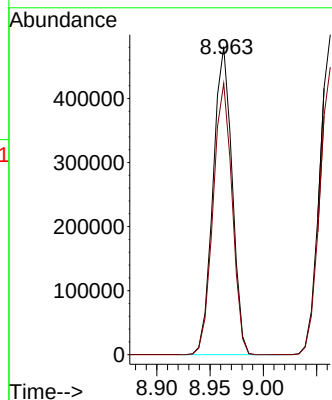
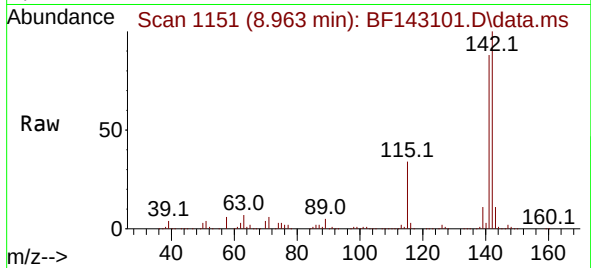
ICVBF071525

Tgt Ion:142 Resp: 597819

Ion Ratio Lower Upper

142 100

141 88.1 70.2 105.2



#38

1-Methylnaphthalene

Concen: 40.922 ng

RT: 9.063 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF143101.D

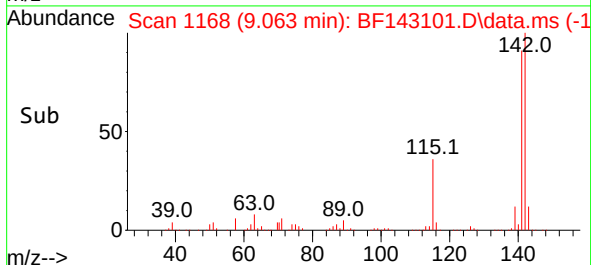
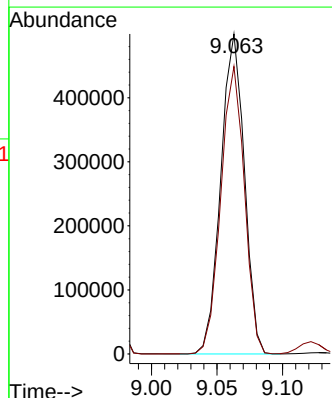
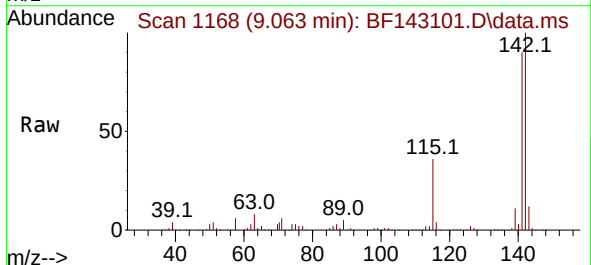
Acq: 15 Jul 2025 17:27

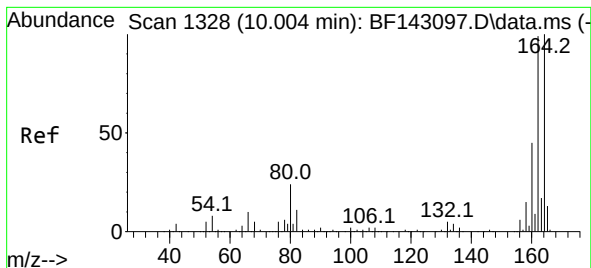
Tgt Ion:142 Resp: 624130

Ion Ratio Lower Upper

142 100

141 89.9 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

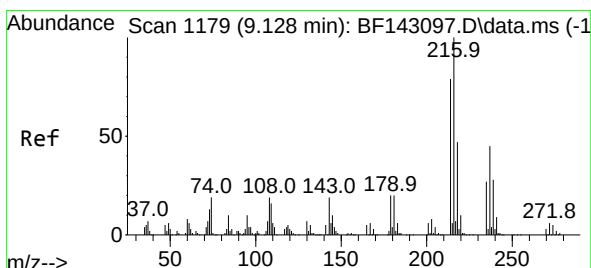
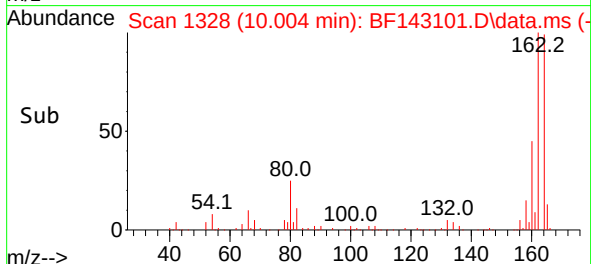
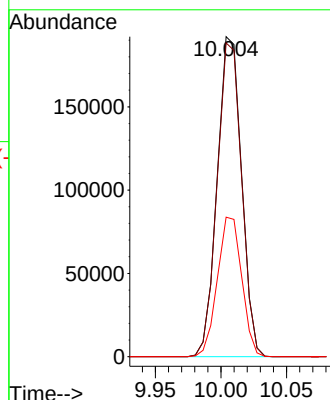
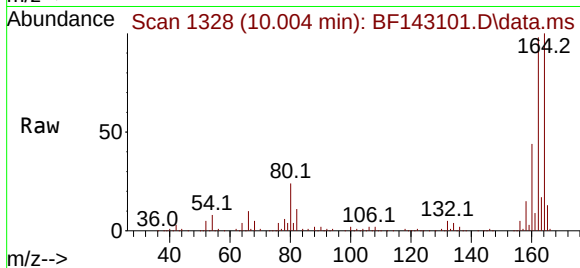
Tgt Ion:164 Resp: 248221

Ion Ratio Lower Upper

164 100

162 98.1 79.0 118.6

160 43.6 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.531 ng

RT: 9.128 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Tgt Ion:216 Resp: 293187

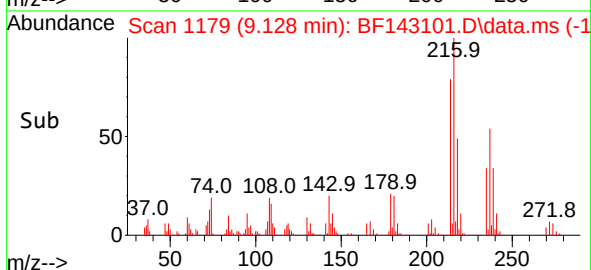
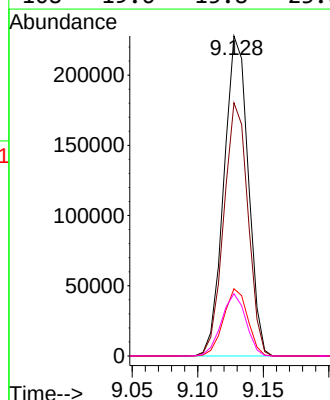
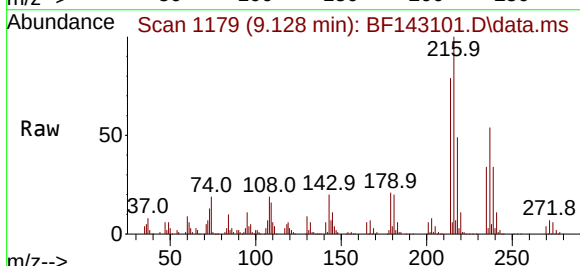
Ion Ratio Lower Upper

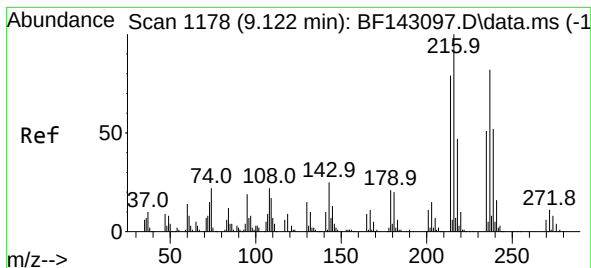
216 100

214 78.6 62.6 94.0

179 20.8 16.2 24.2

108 19.6 15.8 23.6





#41

Hexachlorocyclopentadiene

Concen: 45.086 ng

RT: 9.122 min Scan# 1178

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

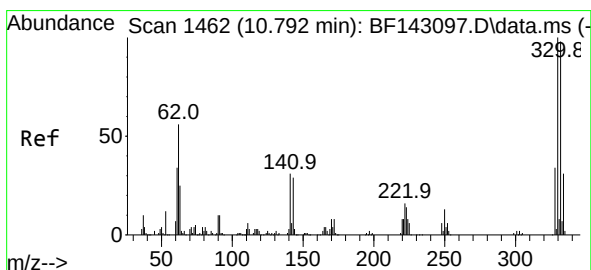
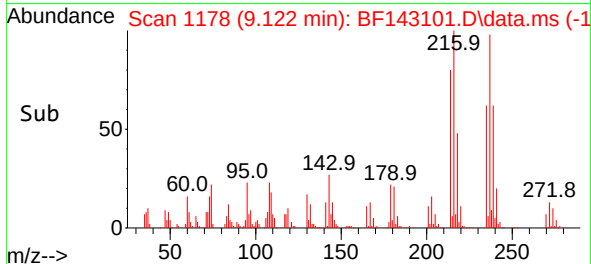
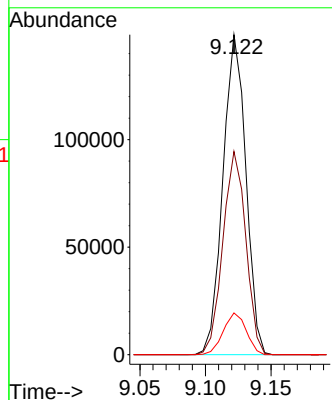
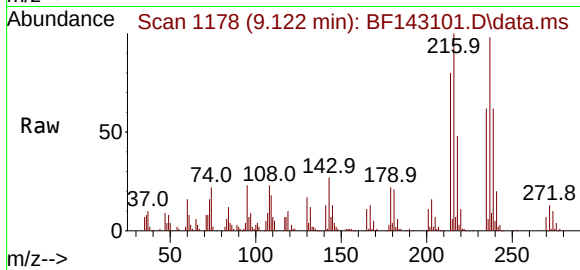
Tgt Ion:237 Resp: 180819

Ion Ratio Lower Upper

237 100

235 63.5 41.6 81.6

272 13.0 0.0 32.9



#42

2,4,6-Tribromophenol

Concen: 85.971 ng

RT: 10.792 min Scan# 1462

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

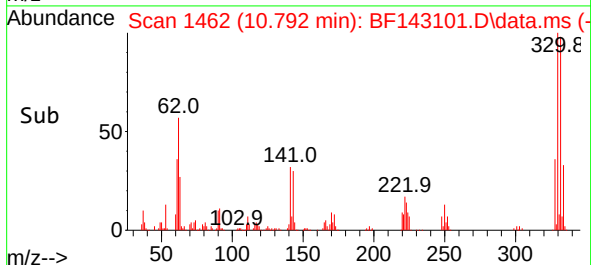
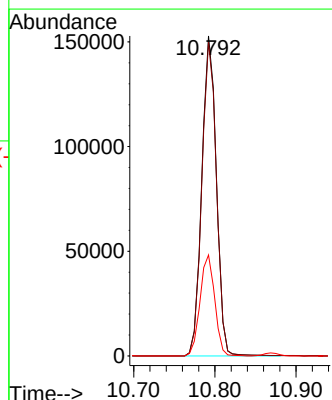
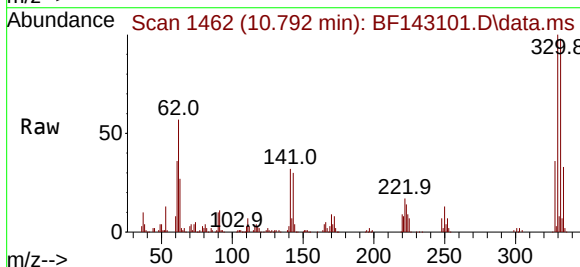
Tgt Ion:330 Resp: 190277

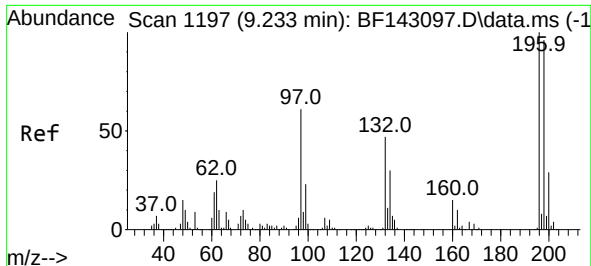
Ion Ratio Lower Upper

330 100

332 98.2 77.9 116.9

141 31.8 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 43.955 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

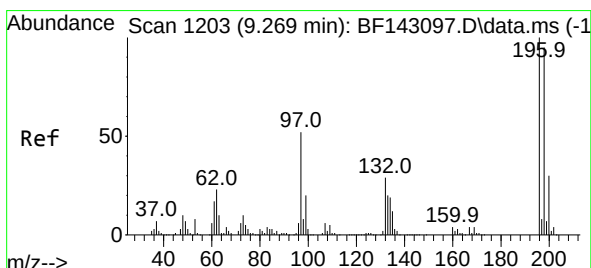
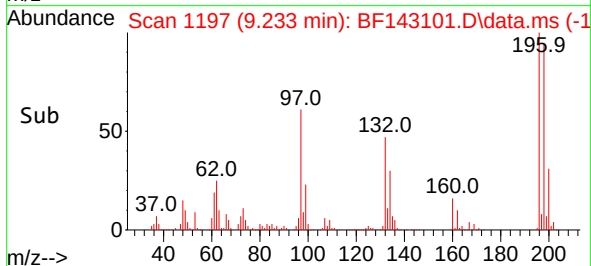
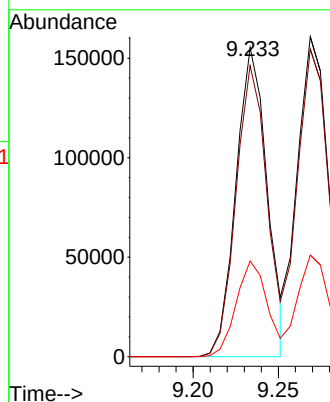
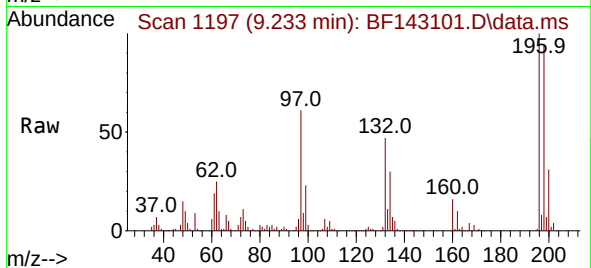
Tgt Ion:196 Resp: 197565

Ion Ratio Lower Upper

196 100

198 94.2 76.9 115.3

200 30.9 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 43.001 ng

RT: 9.269 min Scan# 1203

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Tgt Ion:196 Resp: 202658

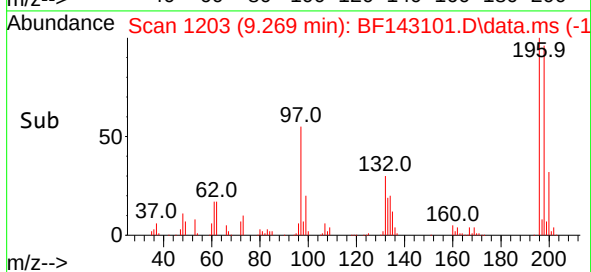
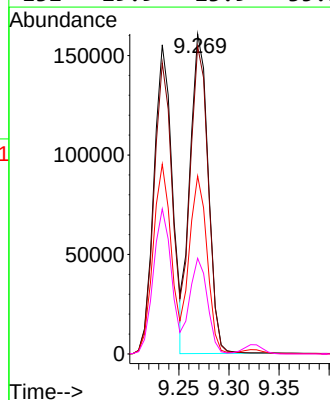
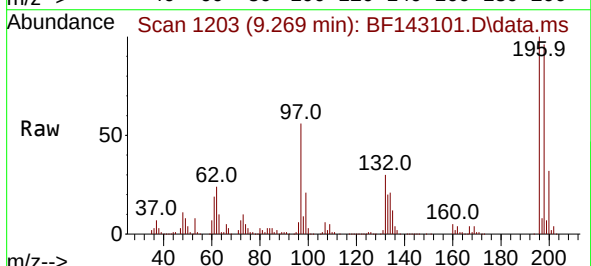
Ion Ratio Lower Upper

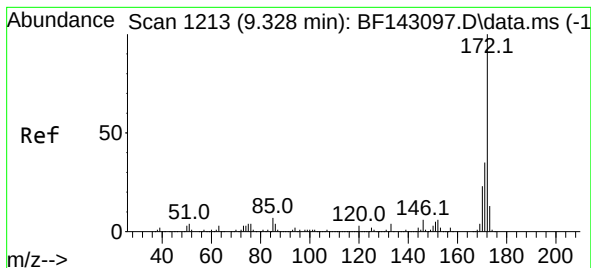
196 100

198 96.1 76.4 114.6

97 55.6 42.4 63.6

132 29.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 69.090 ng

RT: 9.328 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

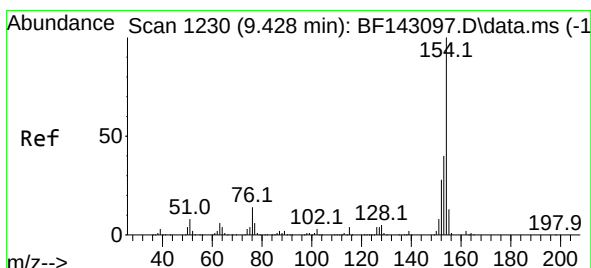
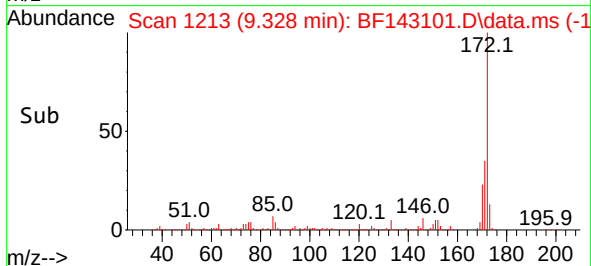
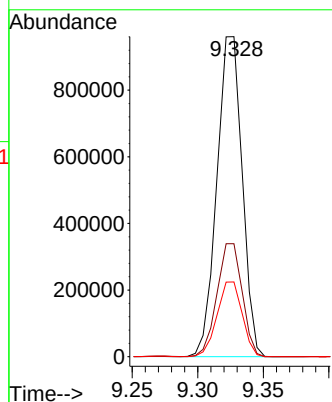
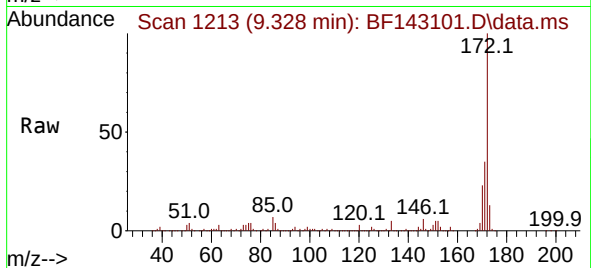
Tgt Ion:172 Resp: 1290148

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.4 18.6 28.0



#46

1,1'-Biphenyl

Concen: 40.387 ng

RT: 9.428 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

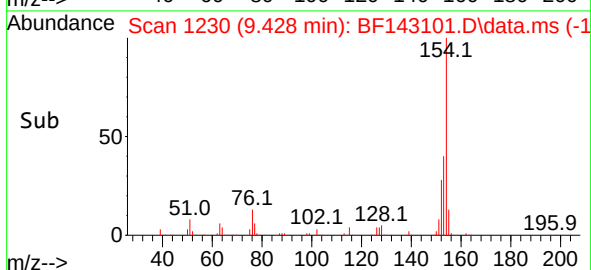
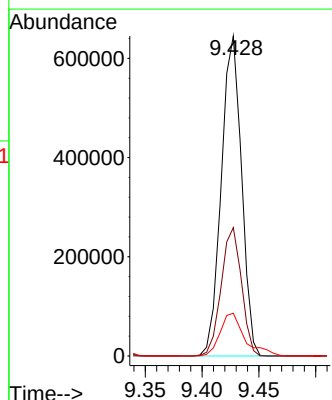
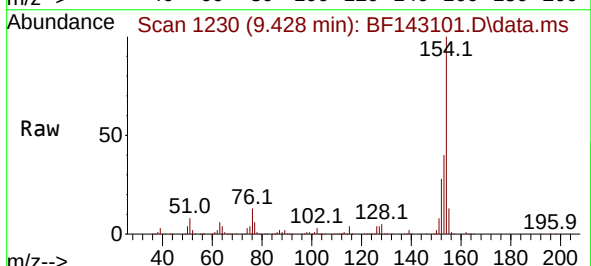
Tgt Ion:154 Resp: 799467

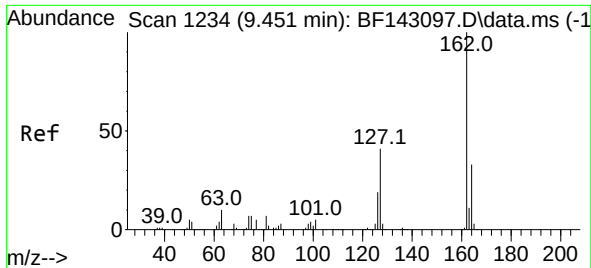
Ion Ratio Lower Upper

154 100

153 40.1 20.1 60.1

76 13.4 0.0 33.7





#47

2-Chloronaphthalene

Concen: 40.207 ng

RT: 9.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

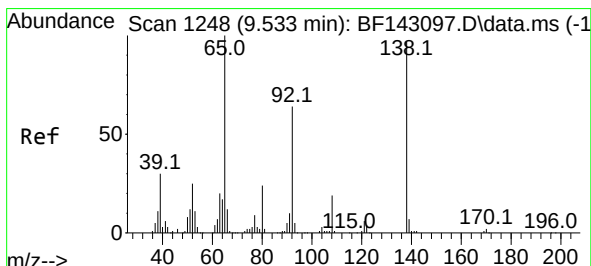
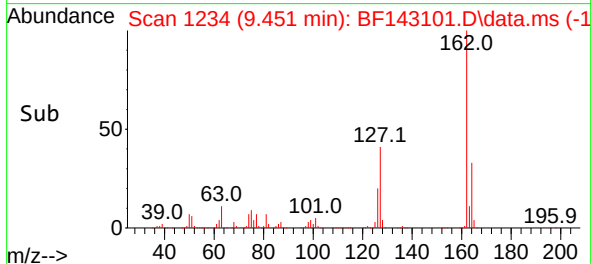
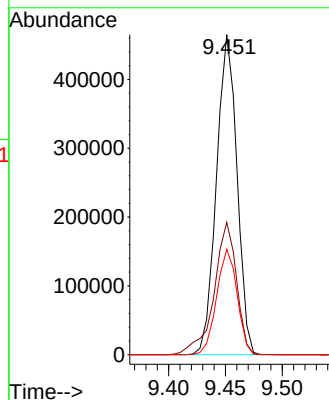
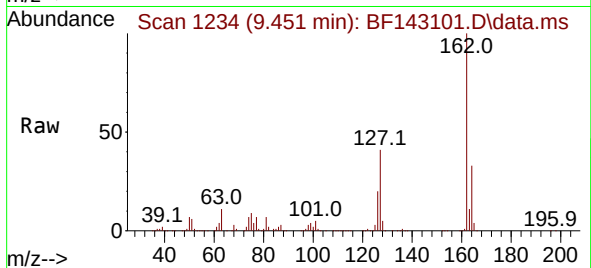
Tgt Ion:162 Resp: 584687

Ion Ratio Lower Upper

162 100

127 41.3 33.0 49.6

164 33.0 26.1 39.1



#48

2-Nitroaniline

Concen: 43.148 ng

RT: 9.539 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

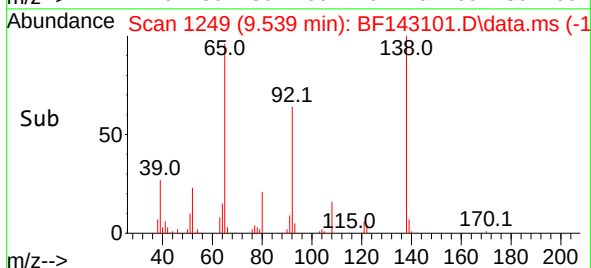
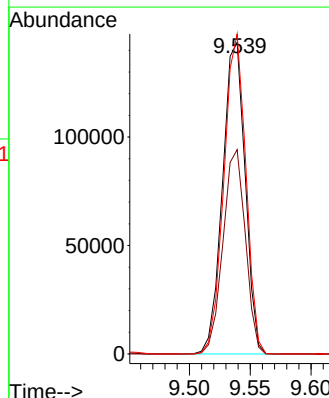
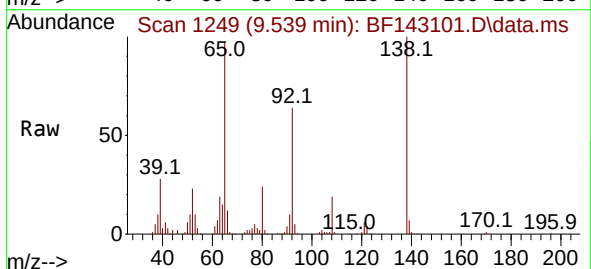
Tgt Ion: 65 Resp: 185847

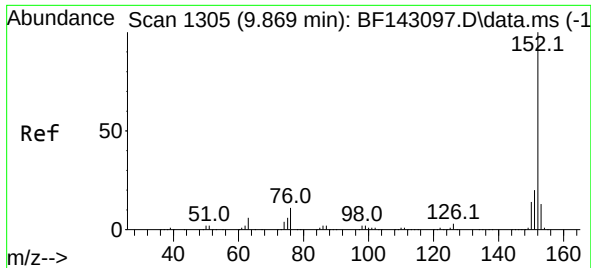
Ion Ratio Lower Upper

65 100

92 65.6 51.3 76.9

138 102.7 77.8 116.6

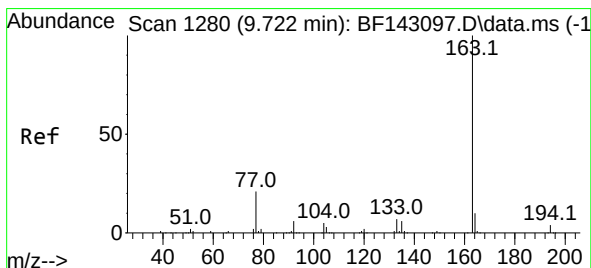
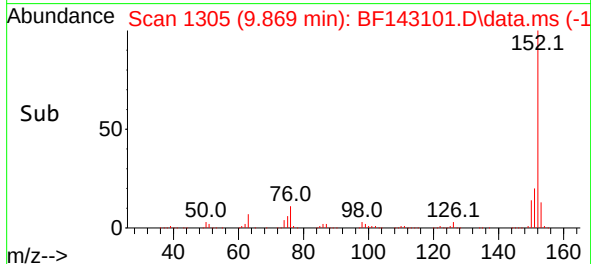
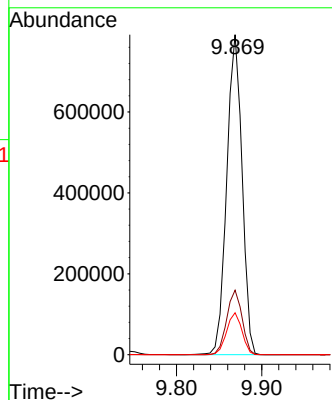
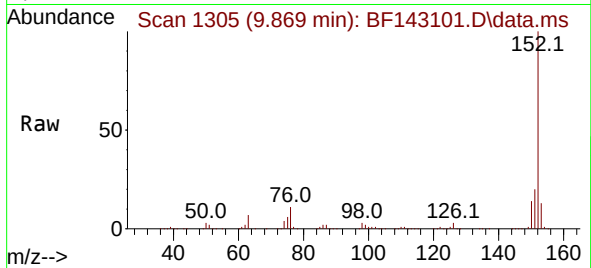




#49
Acenaphthylene
Concen: 40.736 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

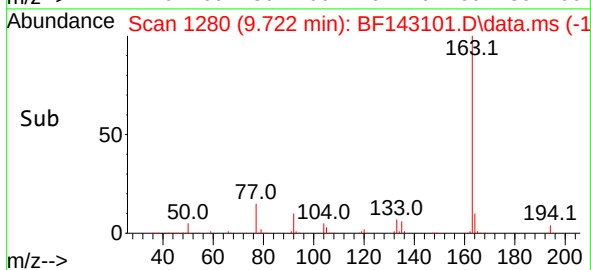
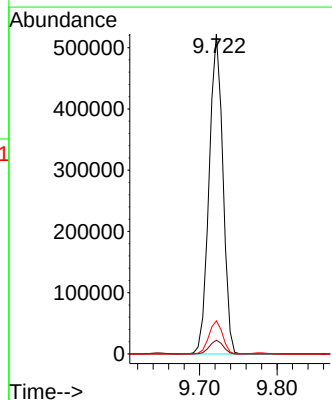
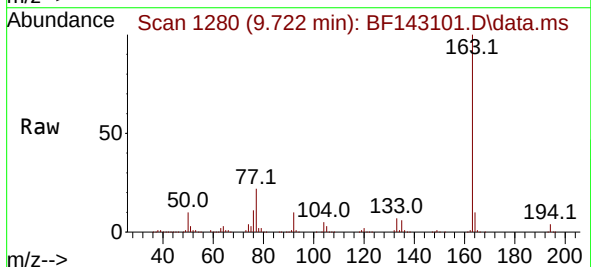
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

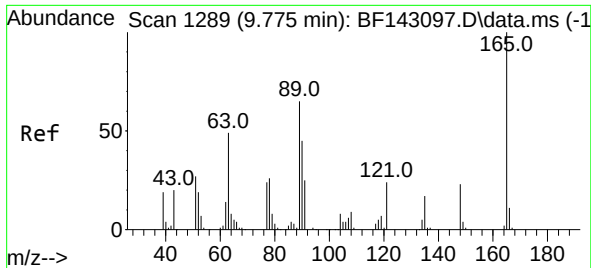
Tgt Ion:152 Resp: 987106
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 13.1 10.4 15.6



#50
Dimethylphthalate
Concen: 41.279 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:163 Resp: 644618
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.3 8.2 12.2

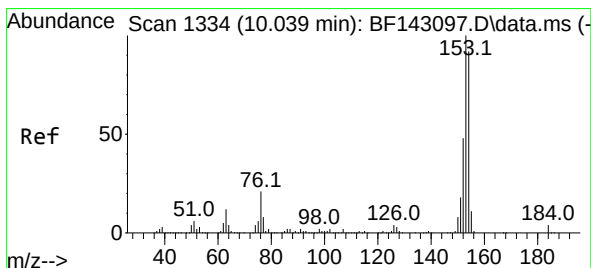
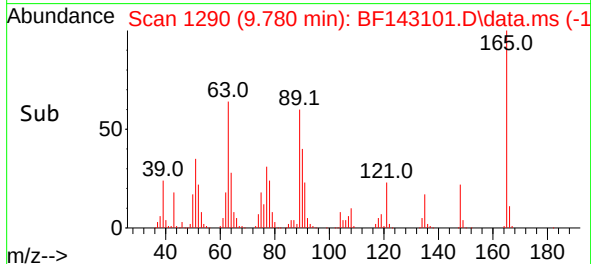
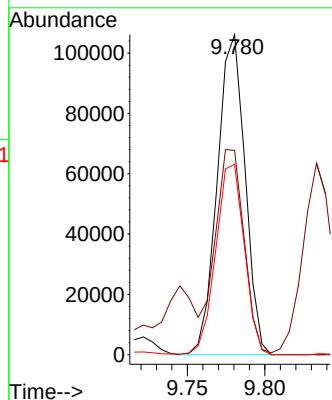
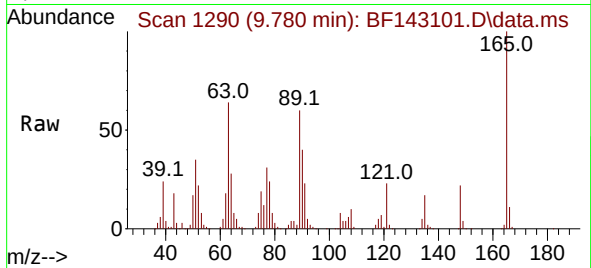




#51
2,6-Dinitrotoluene
Concen: 43.156 ng
RT: 9.780 min Scan# 1289
Delta R.T. 0.005 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

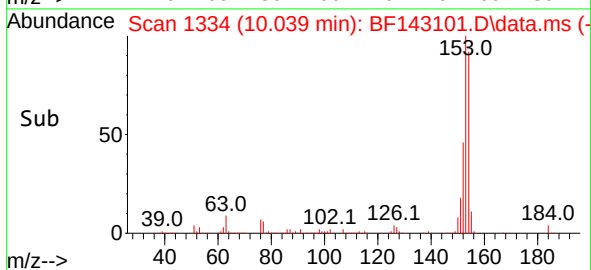
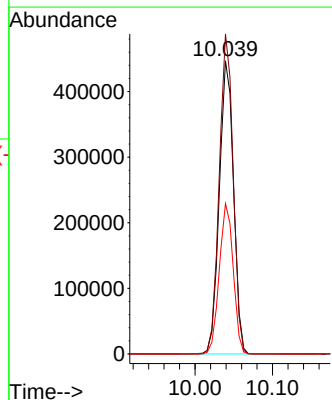
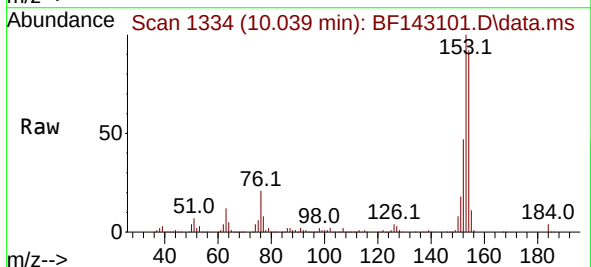
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

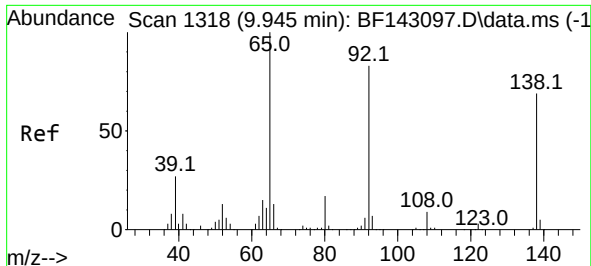
Tgt Ion:165 Resp: 132241
Ion Ratio Lower Upper
165 100
63 63.9 57.4 86.0
89 59.5 51.8 77.8



#52
Acenaphthene
Concen: 39.982 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:154 Resp: 571724
Ion Ratio Lower Upper
154 100
153 109.2 86.7 130.1
152 51.3 41.4 62.2

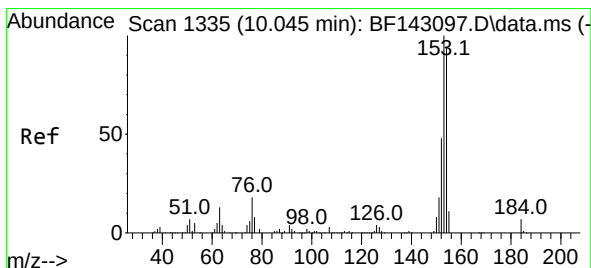
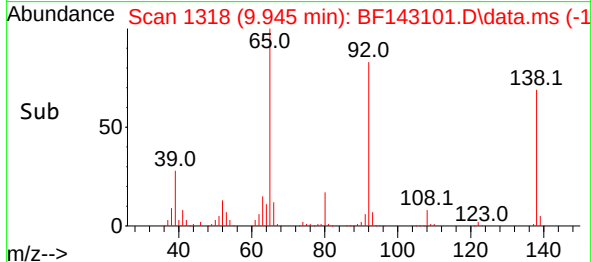
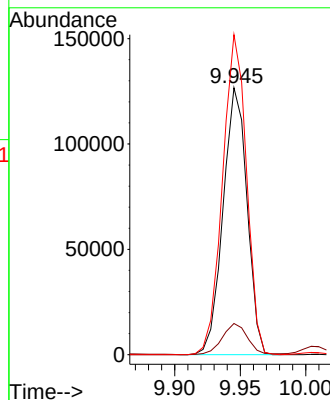
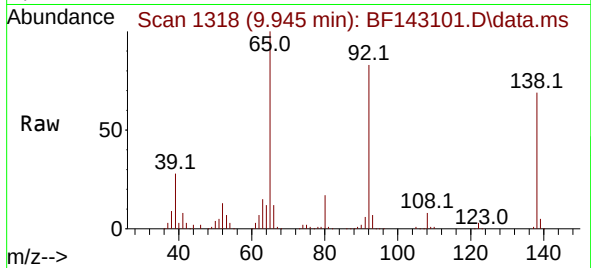




#53
3-Nitroaniline
Concen: 47.707 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

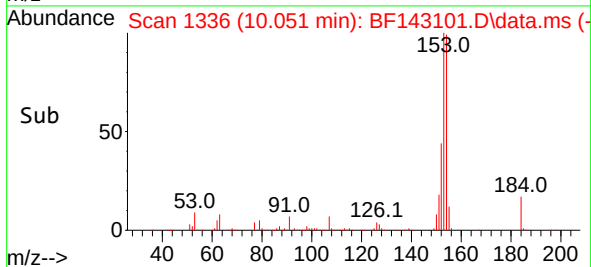
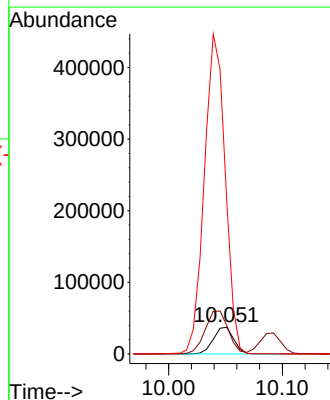
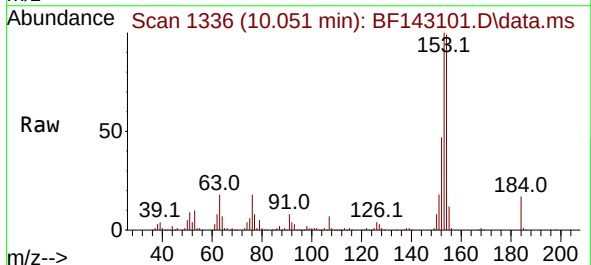
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

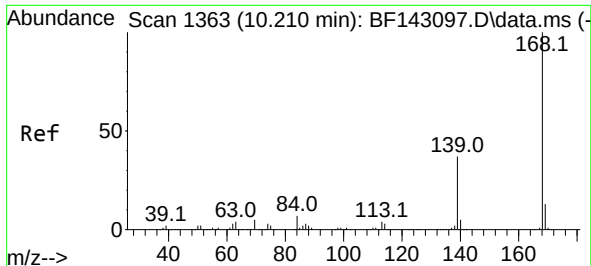
Tgt Ion:138 Resp: 160978
Ion Ratio Lower Upper
138 100
108 11.7 10.1 15.1
92 119.9 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 47.113 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:184 Resp: 46465
Ion Ratio Lower Upper
184 100
63 106.9 149.3 223.9#
154 573.8 1048.0 1572.0#

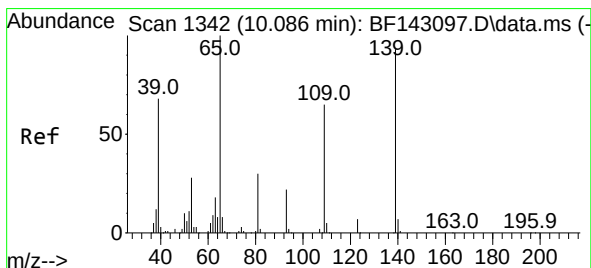
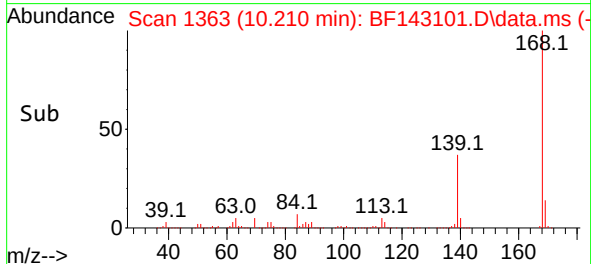
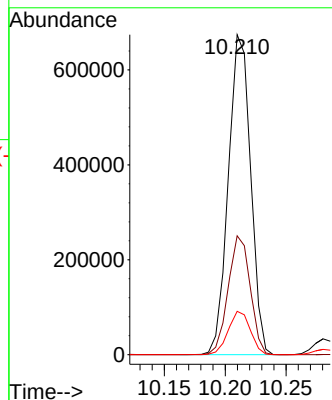
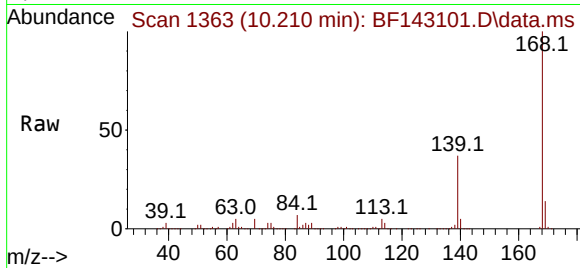




#55
Dibenzenofuran
Concen: 40.300 ng
RT: 10.210 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

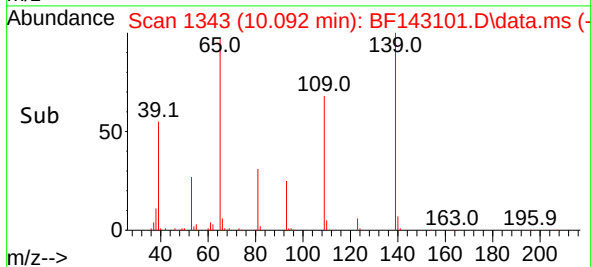
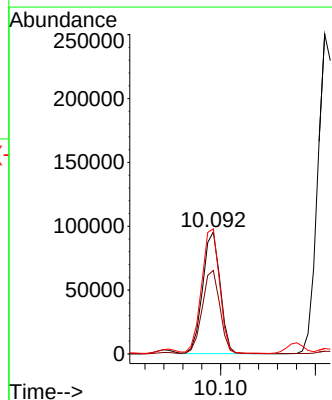
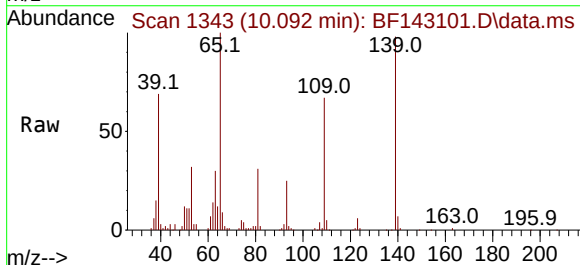
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

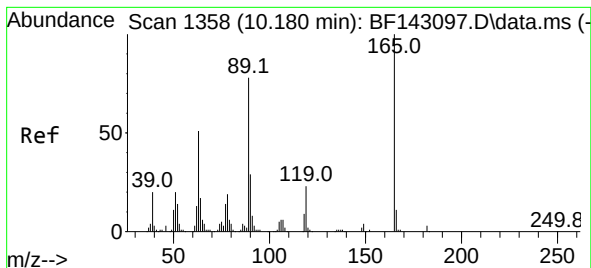
Tgt Ion:168 Resp: 858944
Ion Ratio Lower Upper
168 100
139 37.2 29.8 44.6
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 45.720 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:139 Resp: 122610
Ion Ratio Lower Upper
139 100
109 68.4 49.4 89.4
65 102.5 88.2 128.2

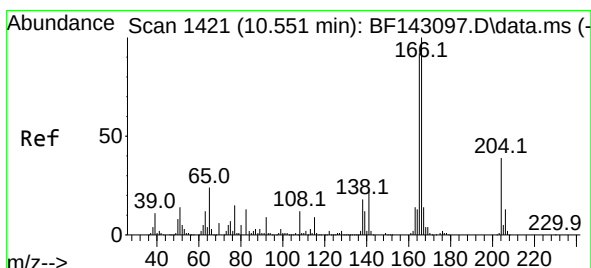
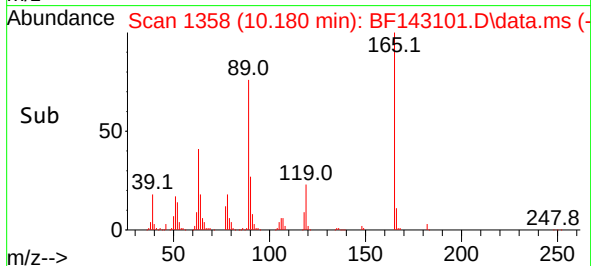
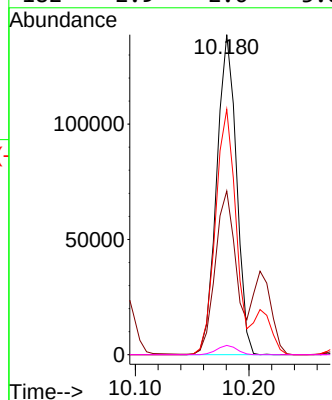
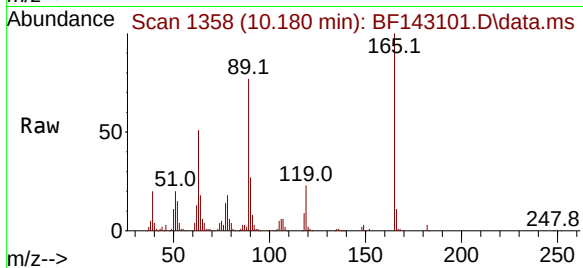




#57
2,4-Dinitrotoluene
Concen: 43.964 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

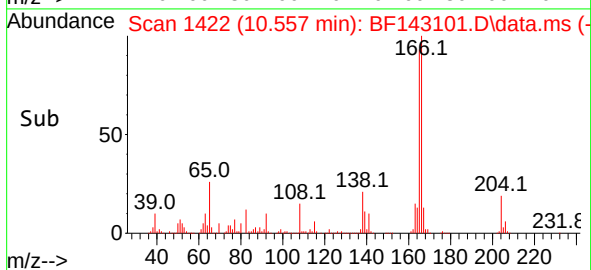
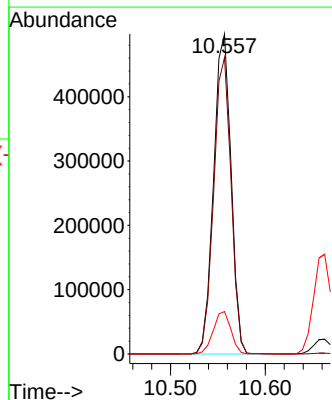
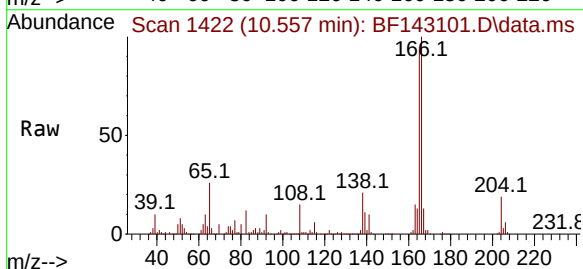
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

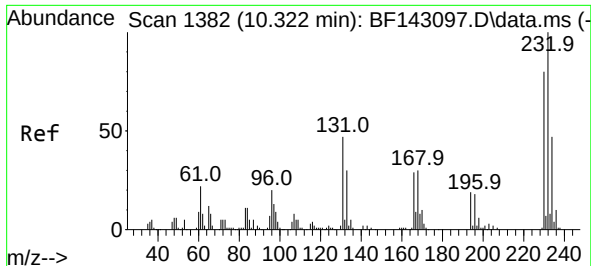
Tgt Ion:165 Resp: 168227
Ion Ratio Lower Upper
165 100
63 51.2 40.6 61.0
89 76.6 62.3 93.5
182 2.9 2.6 3.8



#58
Fluorene
Concen: 39.732 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:166 Resp: 634897
Ion Ratio Lower Upper
166 100
165 92.6 73.7 110.5
167 13.3 10.9 16.3

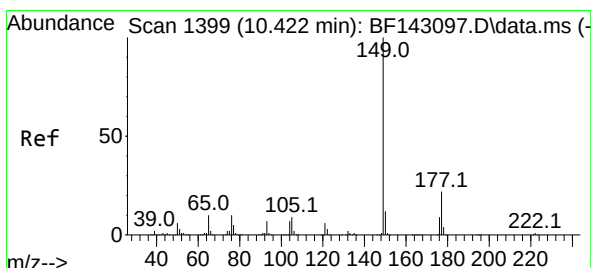
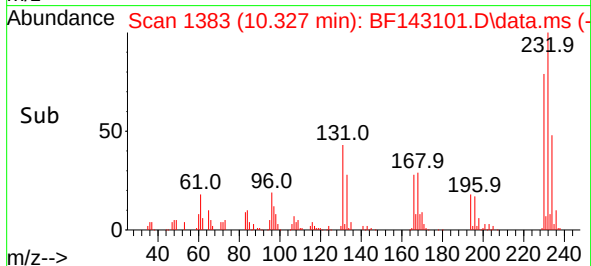
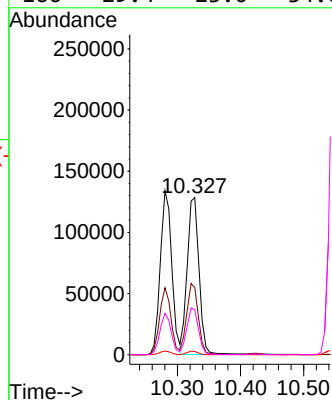
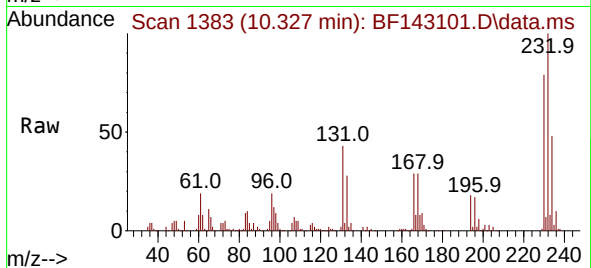




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.902 ng
RT: 10.327 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

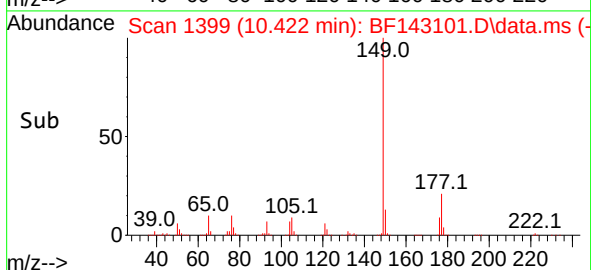
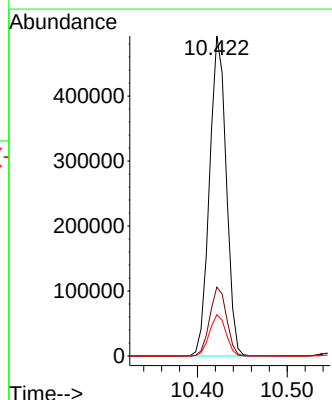
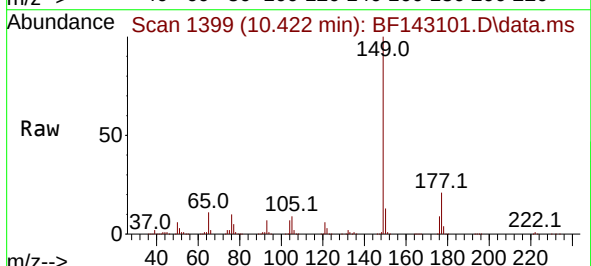
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

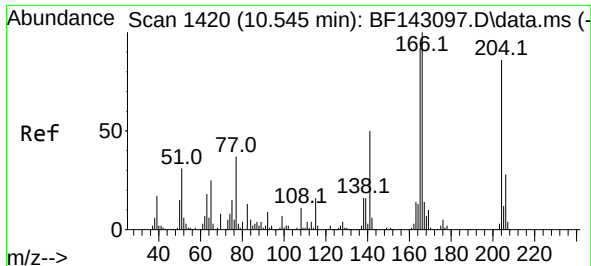
Tgt Ion:232 Resp: 168172
Ion Ratio Lower Upper
232 100
131 44.4 36.9 55.3
130 2.1 1.8 2.8
166 29.4 23.0 34.6



#60
Diethylphthalate
Concen: 42.297 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 637247
Ion Ratio Lower Upper
149 100
177 21.5 17.3 25.9
150 12.9 9.9 14.9

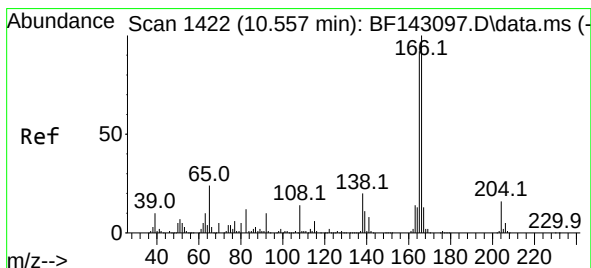
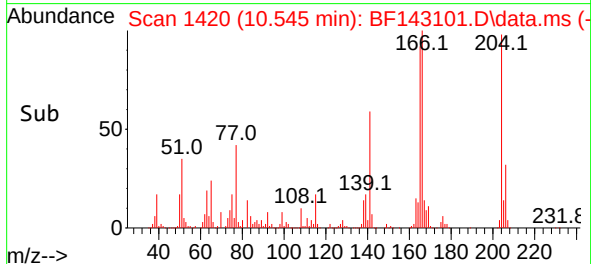
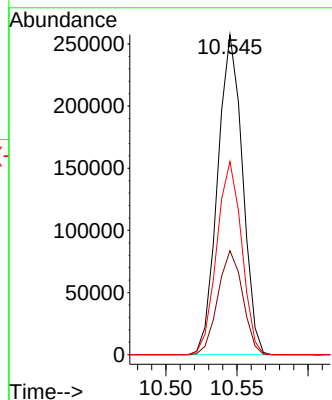
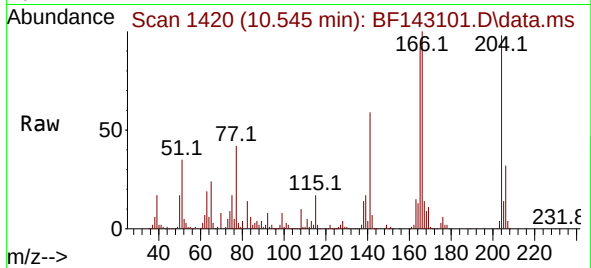




#61
4-Chlorophenyl-phenylether
Concen: 40.882 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

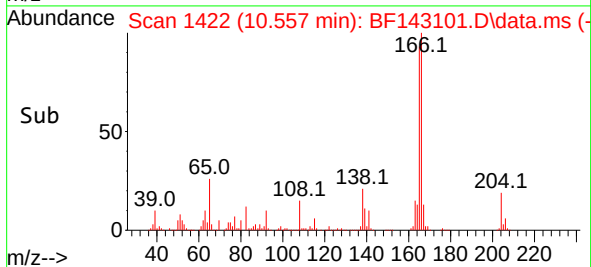
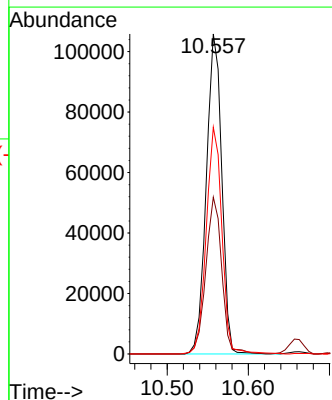
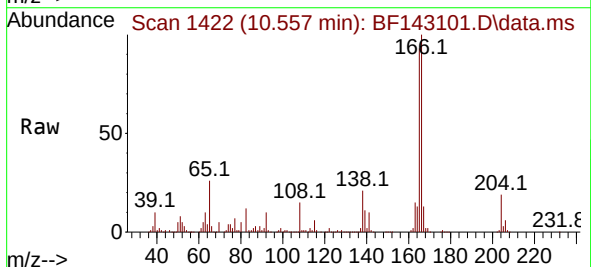
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

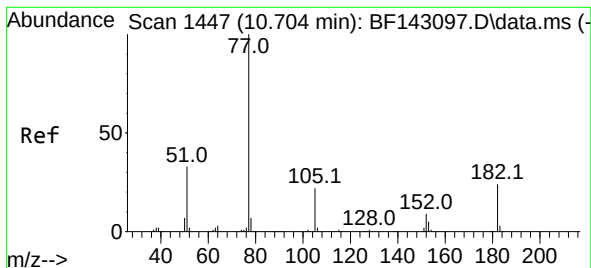
Tgt Ion:204 Resp: 313111
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.6
141 60.4 46.8 70.2



#62
4-Nitroaniline
Concen: 47.486 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:138 Resp: 139342
Ion Ratio Lower Upper
138 100
92 49.0 30.4 70.4
108 70.8 49.5 89.5





#63

Azobenzene

Concen: 40.833 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

Tgt Ion: 77 Resp: 680354

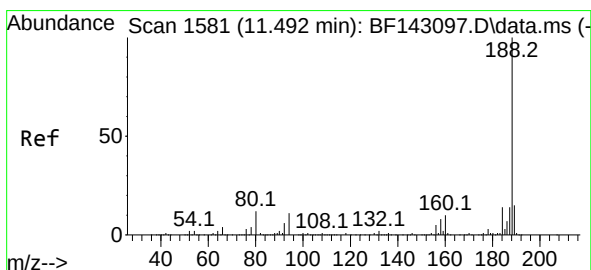
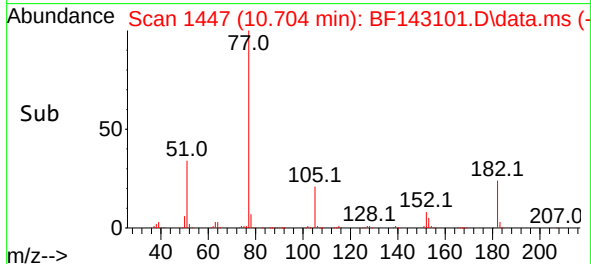
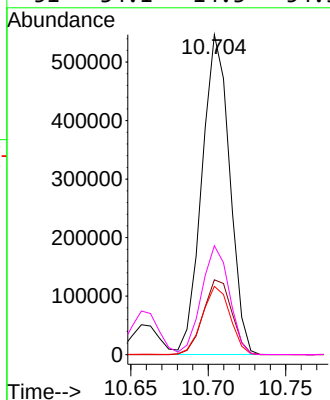
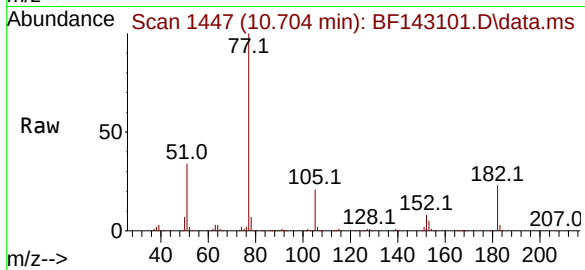
Ion Ratio Lower Upper

77 100

182 23.4 4.0 44.0

105 21.3 1.4 41.4

51 34.1 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

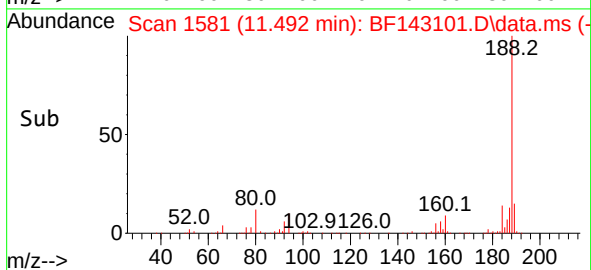
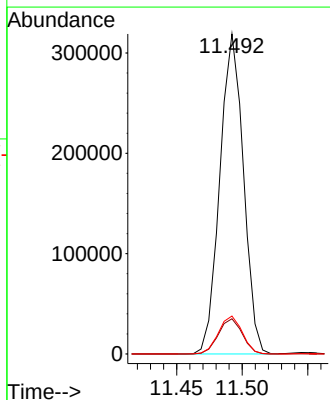
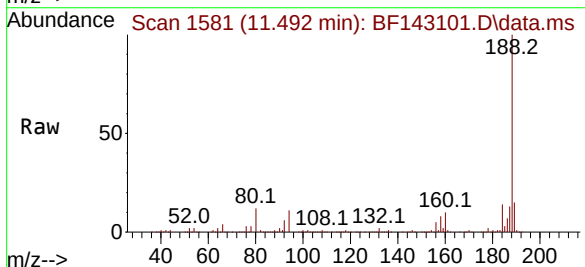
Tgt Ion: 188 Resp: 398969

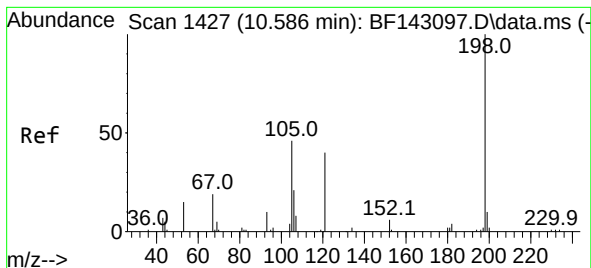
Ion Ratio Lower Upper

188 100

94 11.0 8.6 13.0

80 11.9 9.3 13.9

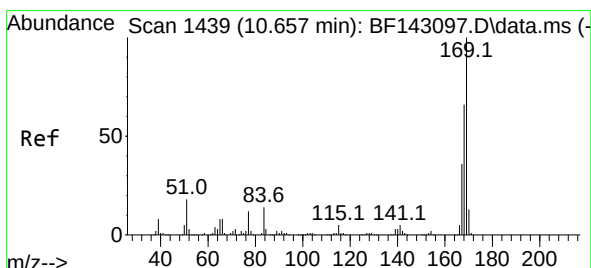
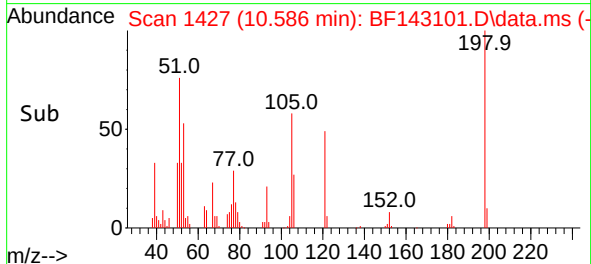
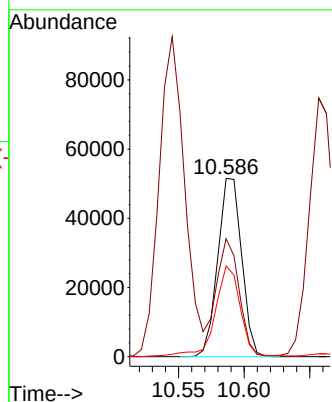
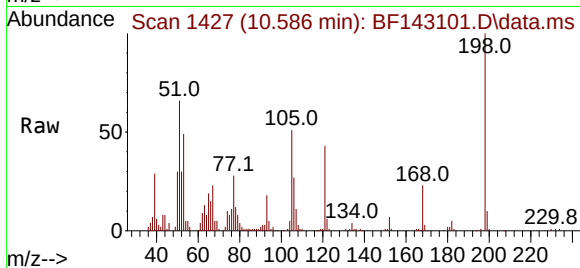




#65
4,6-Dinitro-2-methylphenol
Concen: 44.754 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

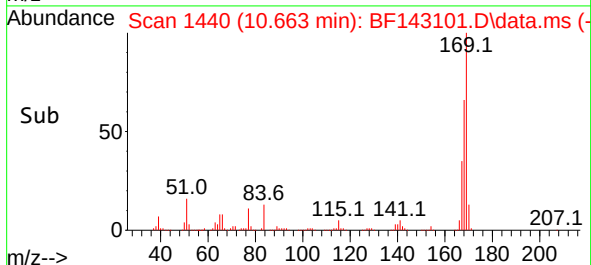
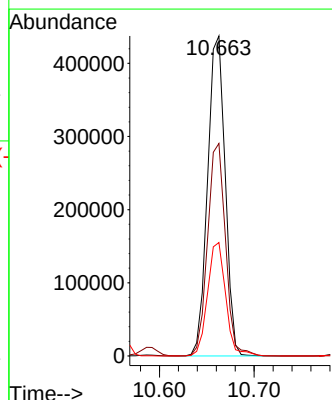
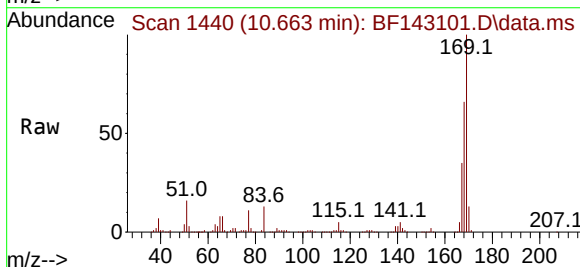
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

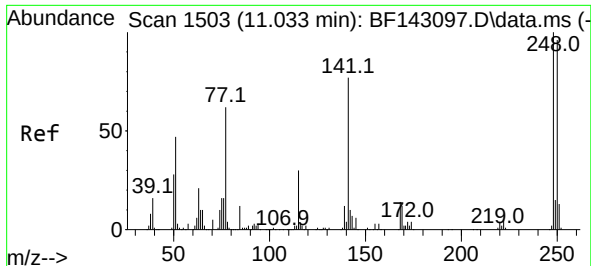
Tgt Ion:198 Resp: 65266
Ion Ratio Lower Upper
198 100
51 66.2 44.6 84.6
105 50.9 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 40.179 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:169 Resp: 563086
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.6
167 35.5 28.4 42.6

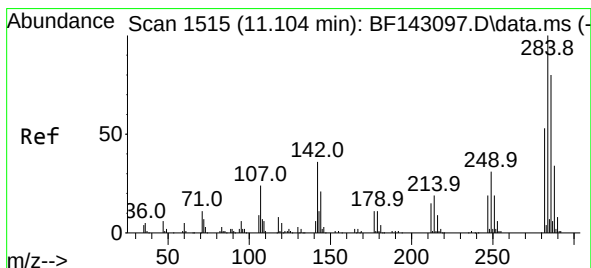
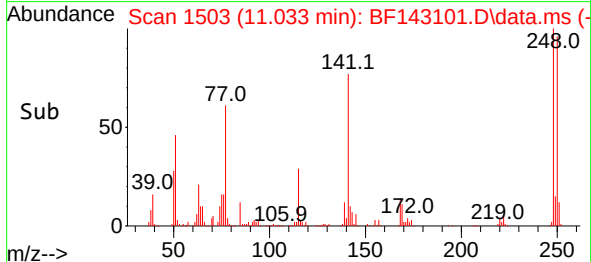
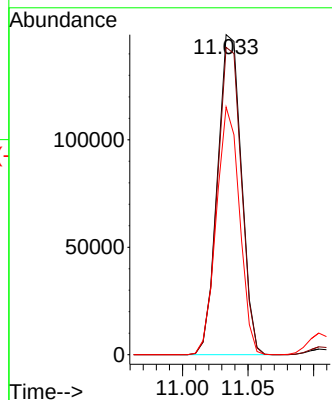
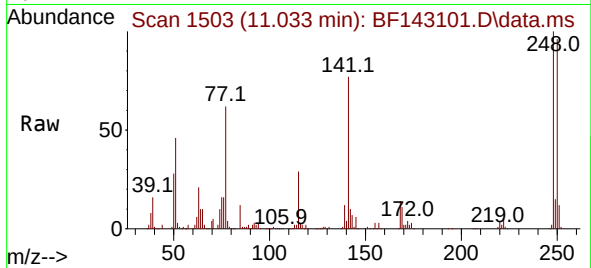




#67
4-Bromophenyl-phenylether
Concen: 41.782 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

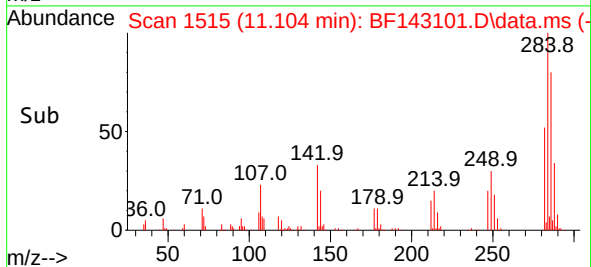
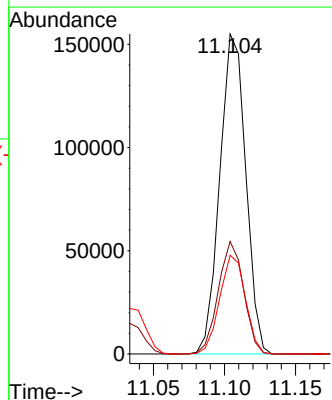
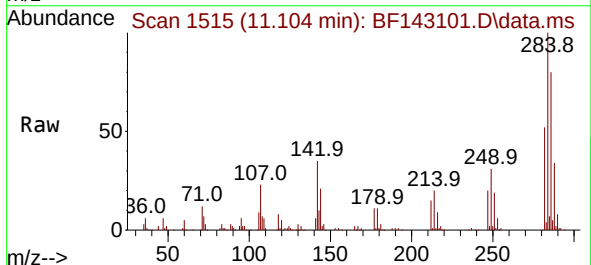
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

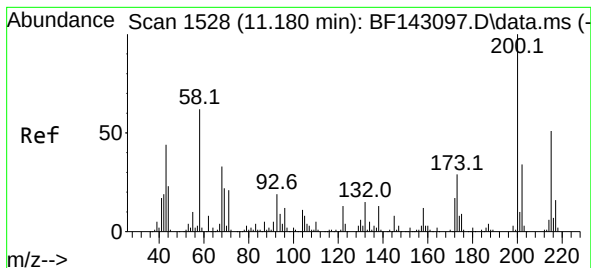
Tgt Ion:248 Resp: 189573
Ion Ratio Lower Upper
248 100
250 96.0 76.7 115.1
141 77.4 61.7 92.5



#68
Hexachlorobenzene
Concen: 40.915 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:284 Resp: 196969
Ion Ratio Lower Upper
284 100
142 35.1 28.9 43.3
249 30.9 24.6 37.0





#69

Atrazine

Concen: 44.273 ng

RT: 11.180 min Scan# 1528

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

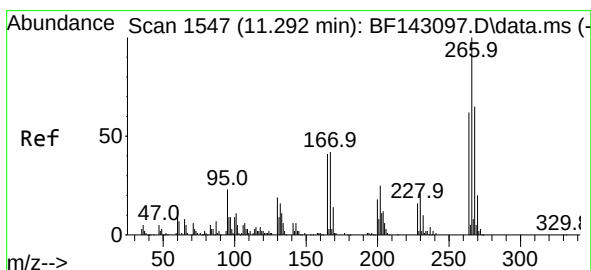
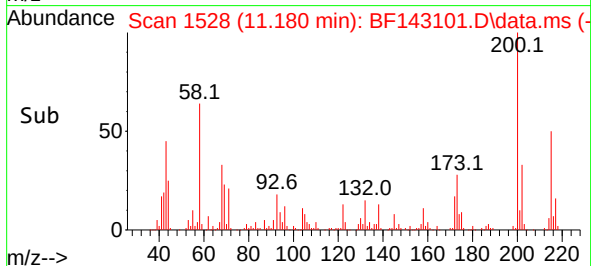
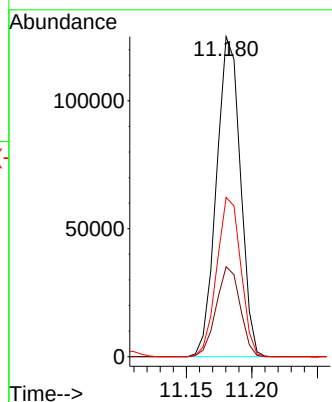
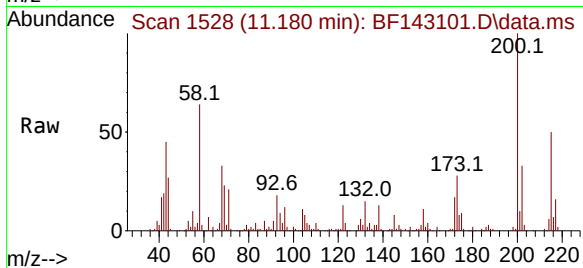
Tgt Ion:200 Resp: 158741

Ion Ratio Lower Upper

200 100

173 28.1 9.1 49.1

215 49.8 31.0 71.0



#70

Pentachlorophenol

Concen: 44.978 ng

RT: 11.292 min Scan# 1547

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

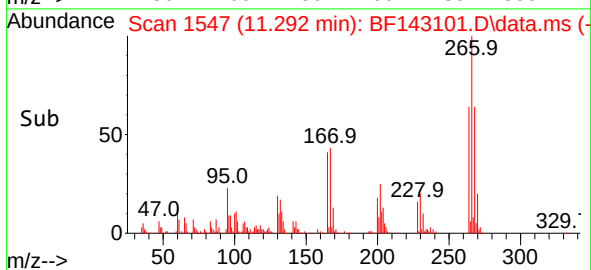
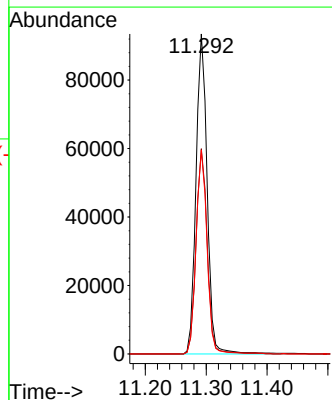
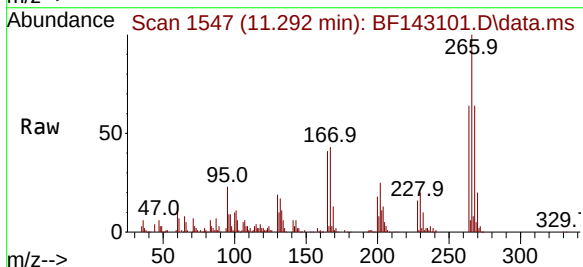
Tgt Ion:266 Resp: 118797

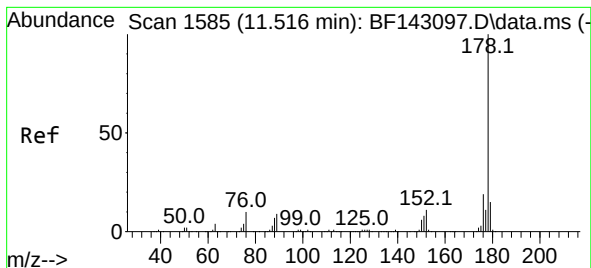
Ion Ratio Lower Upper

266 100

268 64.1 51.8 77.6

264 63.7 49.7 74.5





#71

Phenanthrene

Concen: 40.469 ng

RT: 11.516 min Scan# 1585

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

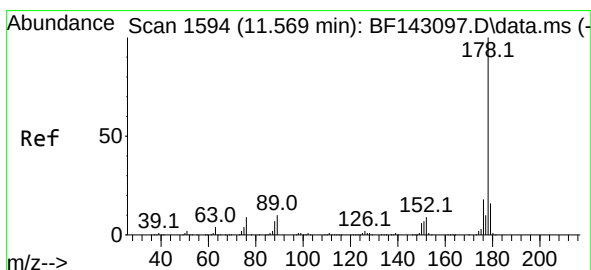
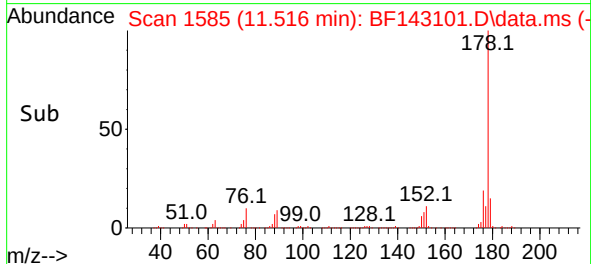
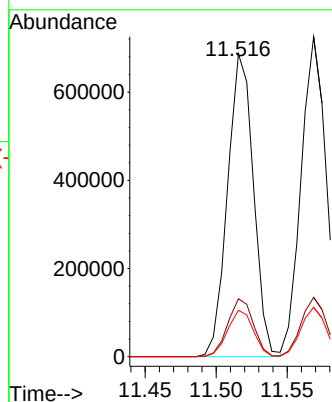
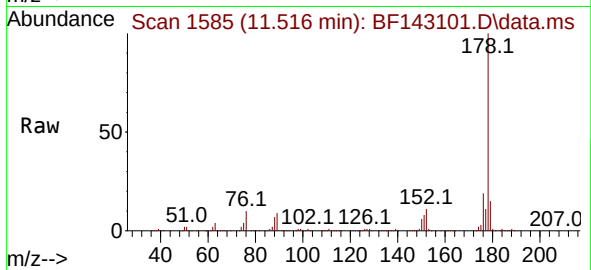
Tgt Ion:178 Resp: 871369

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 15.3 12.2 18.4



#72

Anthracene

Concen: 40.999 ng

RT: 11.569 min Scan# 1594

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

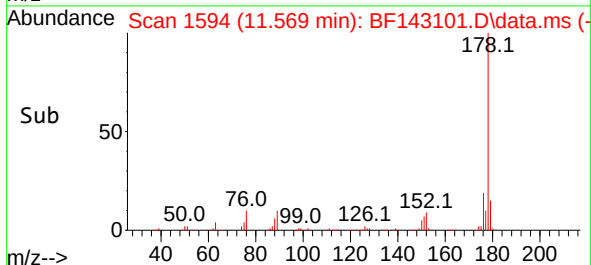
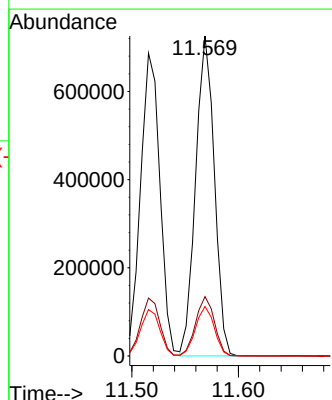
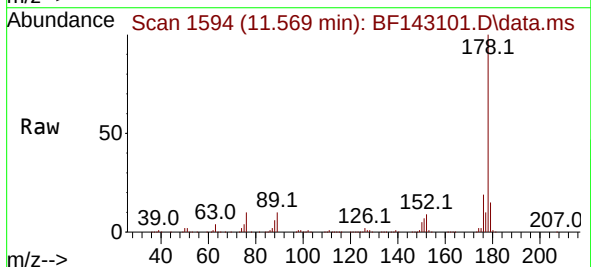
Tgt Ion:178 Resp: 887738

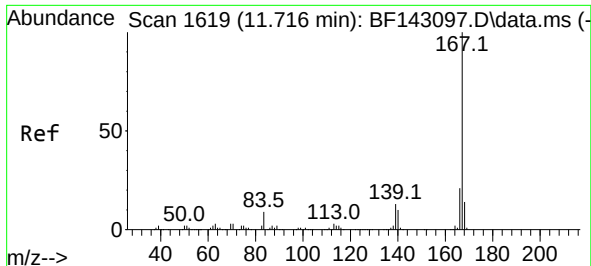
Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

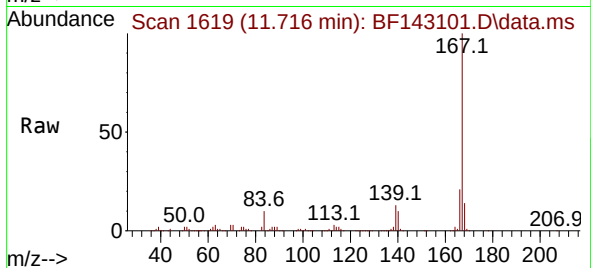
179 15.5 12.4 18.6





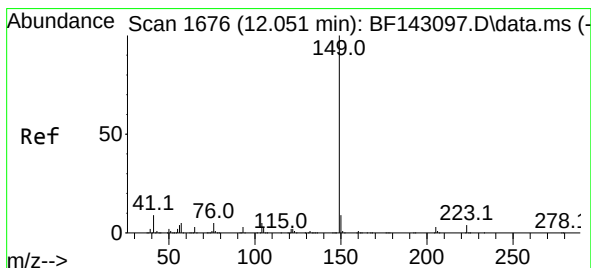
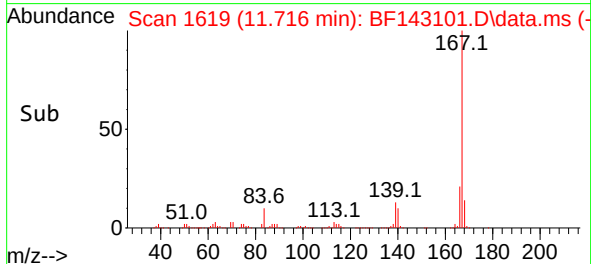
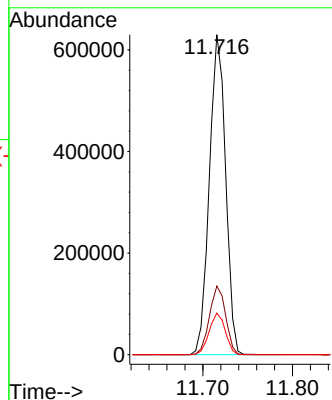
#73
 Carbazole
 Concen: 40.823 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. -0.000 min
 Lab File: BF143101.D
 Acq: 15 Jul 2025 17:27

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071525



Tgt Ion:167 Resp: 791886

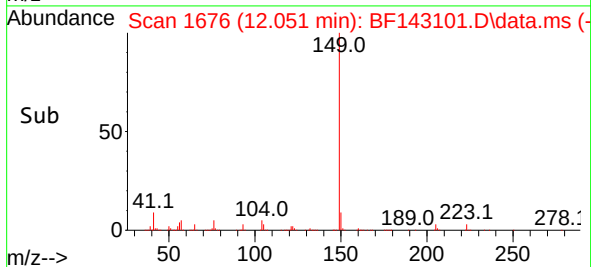
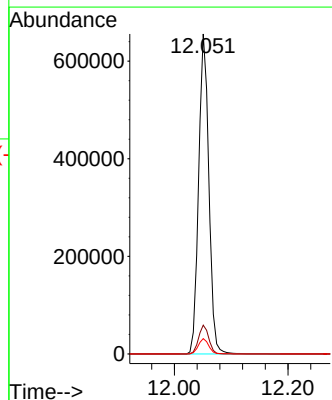
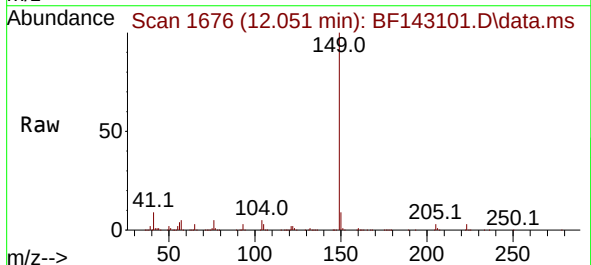
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	13.0	10.2	15.4

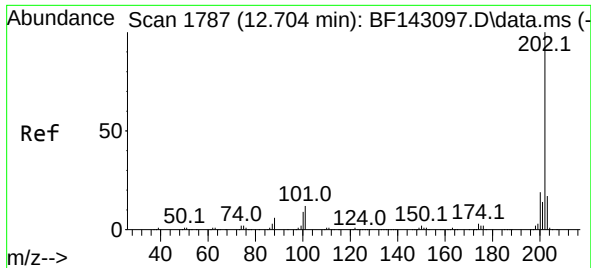


#74
 Di-n-butylphthalate
 Concen: 46.099 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. -0.000 min
 Lab File: BF143101.D
 Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 820833

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.8	3.8	5.8

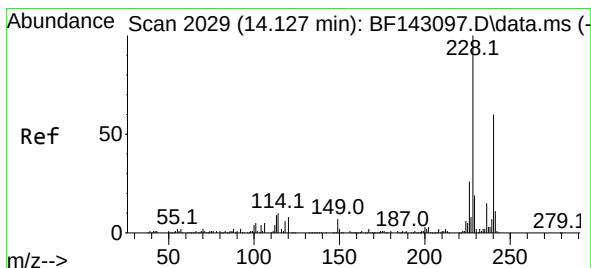
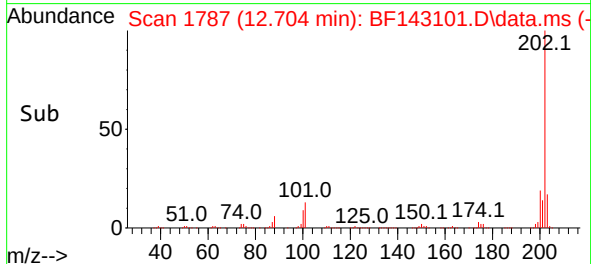
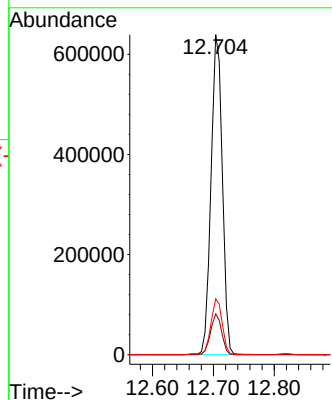
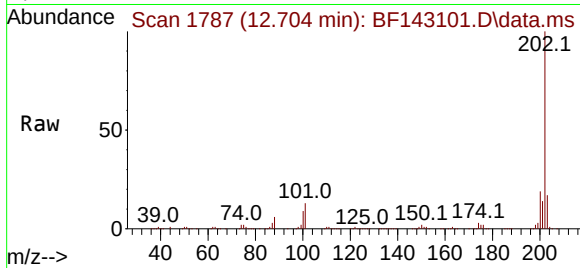




#75
Fluoranthene
Concen: 42.113 ng
RT: 12.704 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

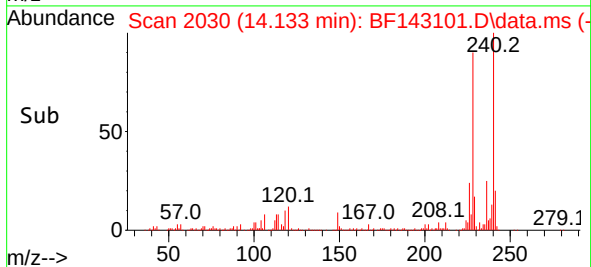
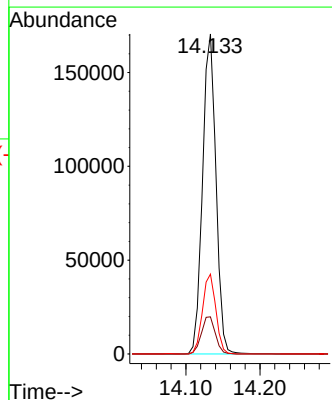
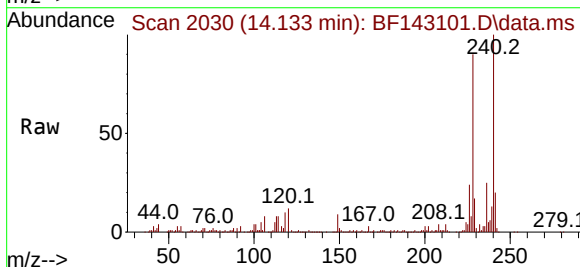
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

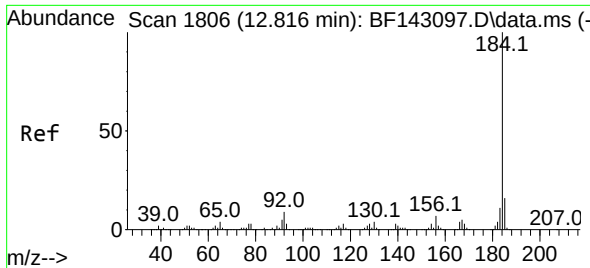
Tgt Ion:202 Resp: 824497
Ion Ratio Lower Upper
202 100
101 12.7 0.0 32.4
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:240 Resp: 215152
Ion Ratio Lower Upper
240 100
120 11.6 10.0 15.0
236 24.9 20.0 30.0

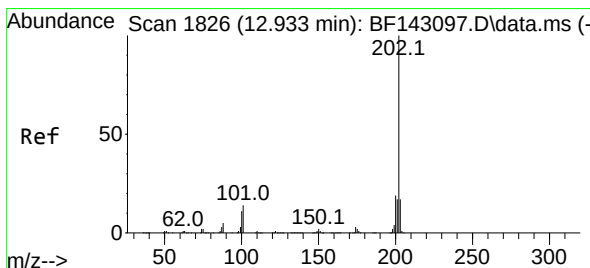
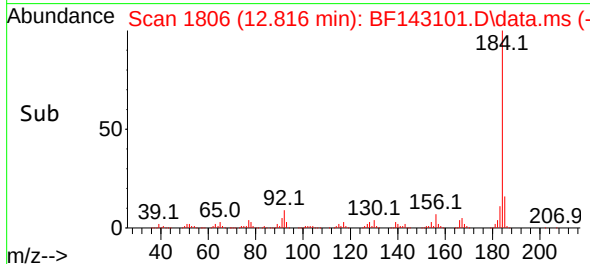
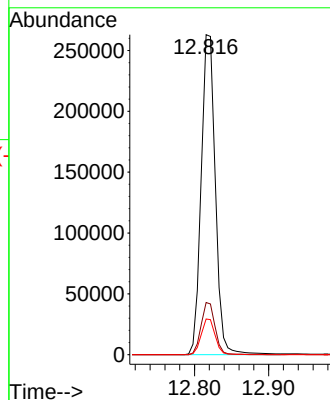
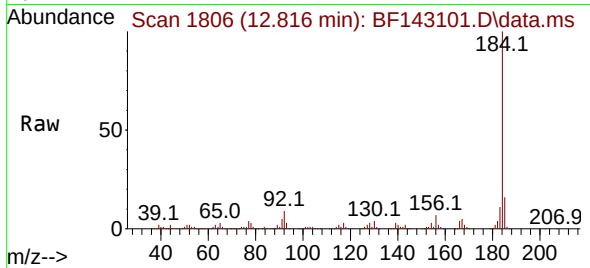




#77
Benzidine
Concen: 47.827 ng
RT: 12.816 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

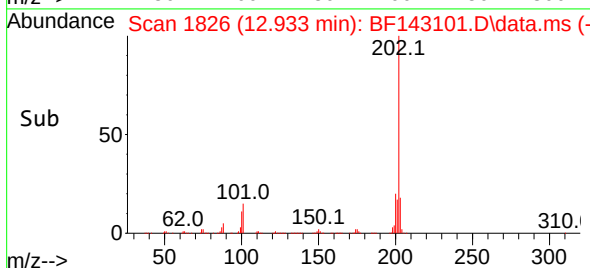
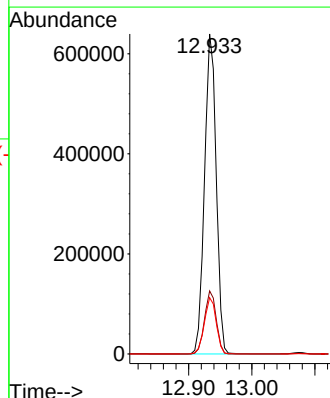
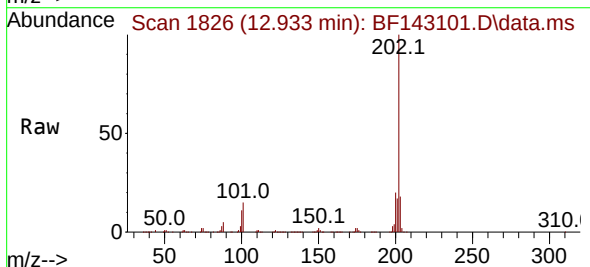
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

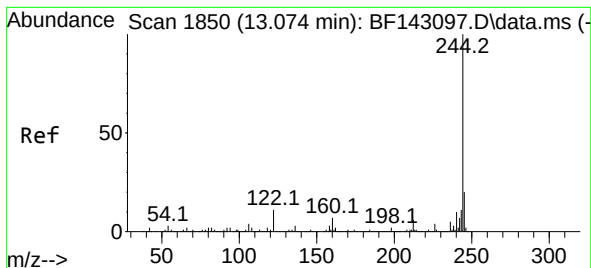
Tgt Ion:184 Resp: 350573
Ion Ratio Lower Upper
184 100
185 16.3 12.4 18.6
183 11.1 8.6 12.8



#78
Pyrene
Concen: 41.087 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:202 Resp: 820201
Ion Ratio Lower Upper
202 100
200 19.7 15.5 23.3
203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: 72.317 ng

RT: 13.074 min Scan# 1850

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

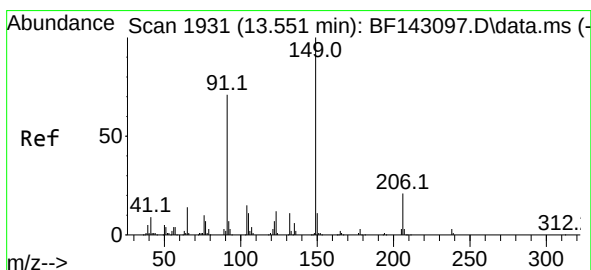
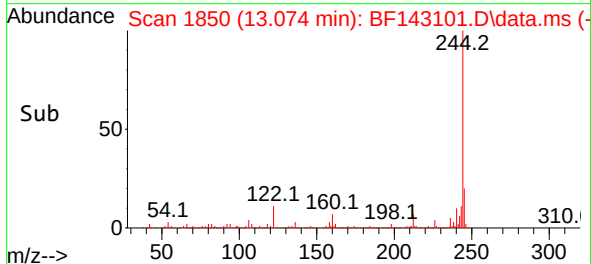
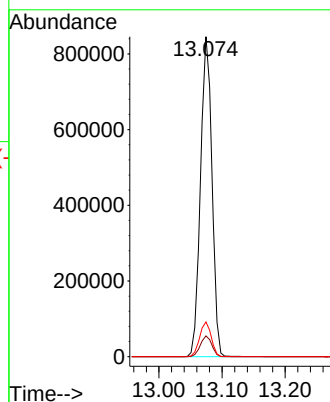
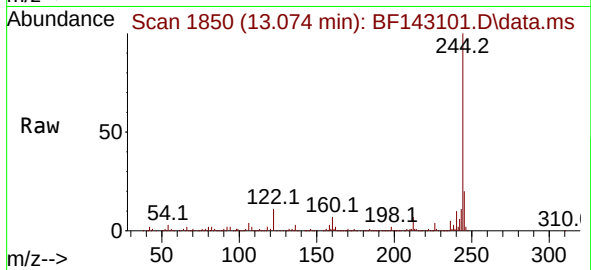
Tgt Ion:244 Resp: 1064372

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 10.9 8.8 13.2



#80

Butylbenzylphthalate

Concen: 43.340 ng

RT: 13.551 min Scan# 1931

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

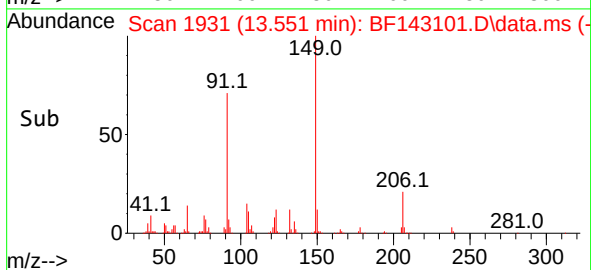
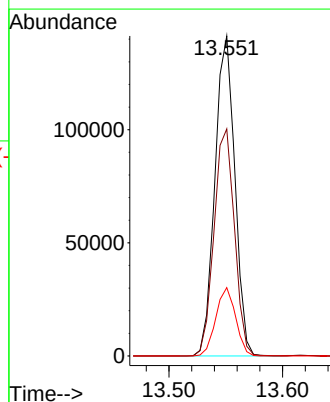
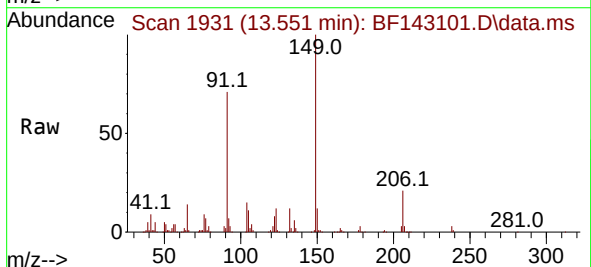
Tgt Ion:149 Resp: 172390

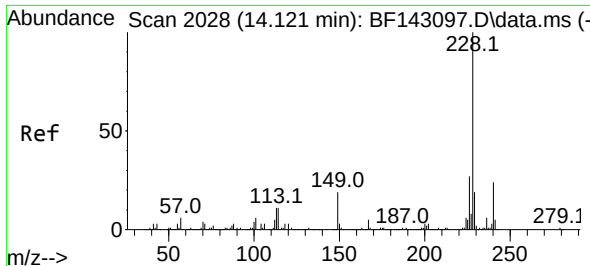
Ion Ratio Lower Upper

149 100

91 71.0 57.0 85.4

206 21.3 17.2 25.8

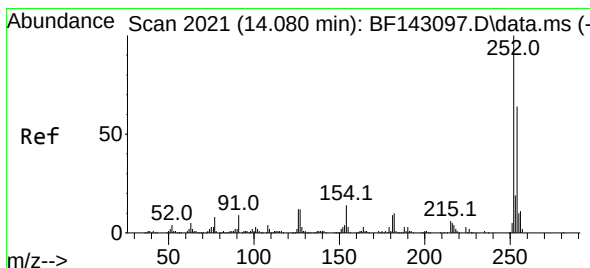
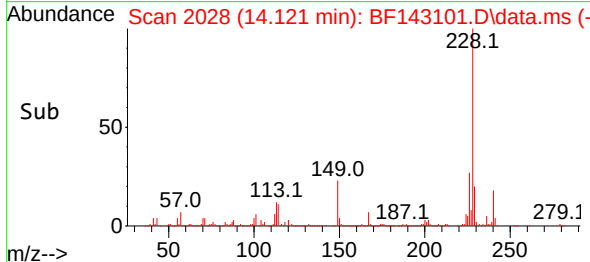
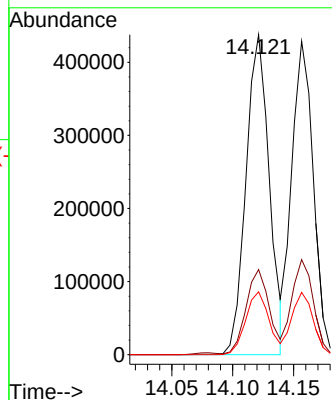
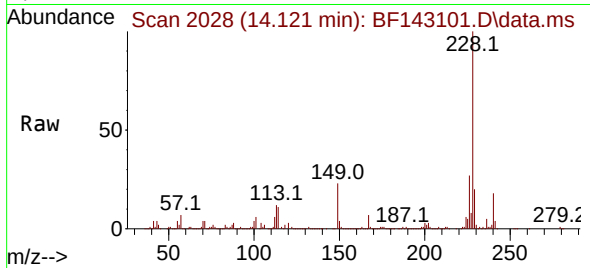




#81
Benzo(a)anthracene
Concen: 40.719 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

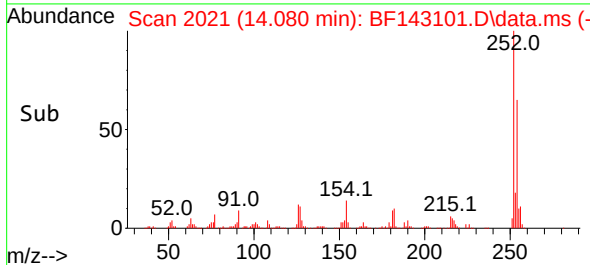
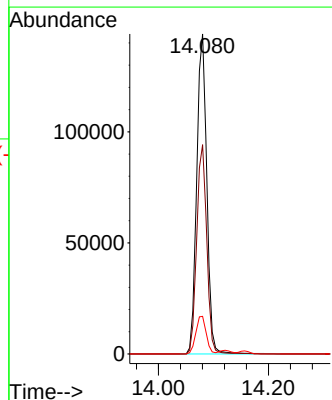
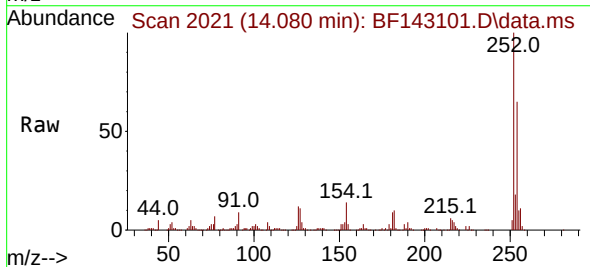
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

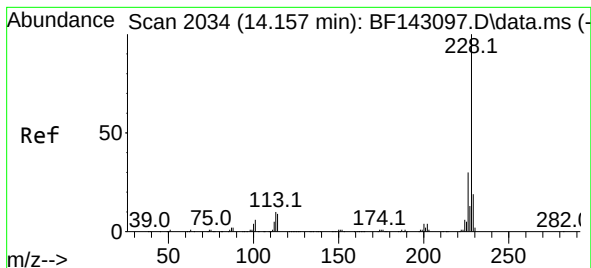
Tgt Ion:228 Resp: 583794
Ion Ratio Lower Upper
228 100
226 26.6 21.3 31.9
229 19.6 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 44.044 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 183371
Ion Ratio Lower Upper
252 100
254 65.4 51.5 77.3
126 11.7 9.4 14.0





#83

Chrysene

Concen: 40.139 ng

RT: 14.157 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ICVBF071525

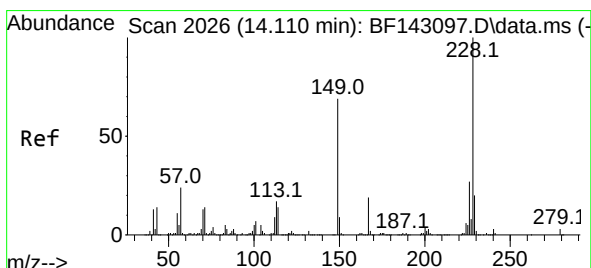
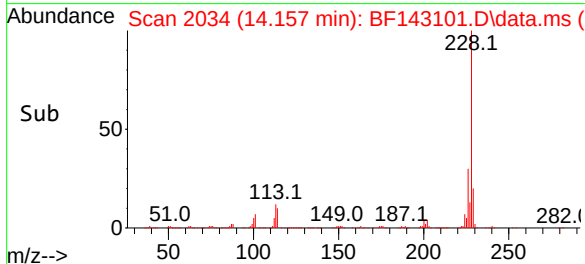
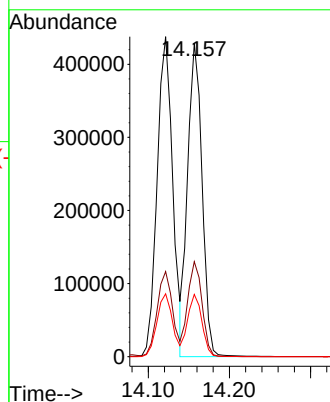
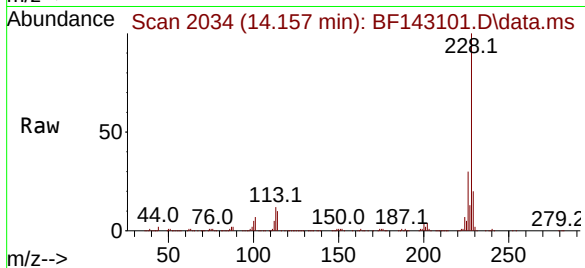
Tgt Ion:228 Resp: 530018

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

229 19.8 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.166 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143101.D

Acq: 15 Jul 2025 17:27

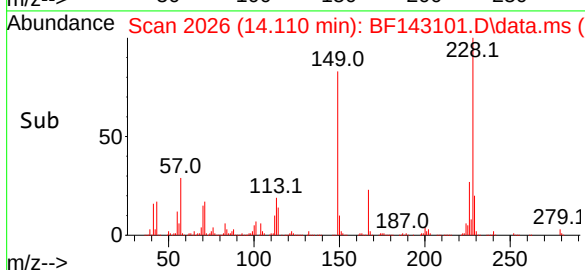
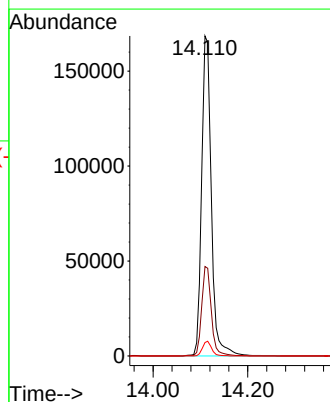
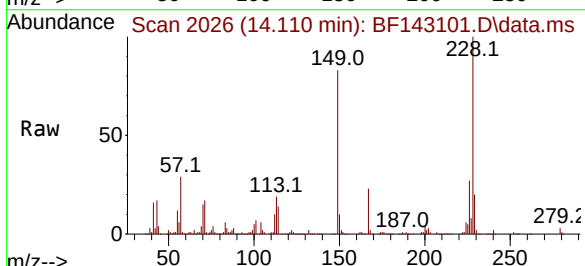
Tgt Ion:149 Resp: 239329

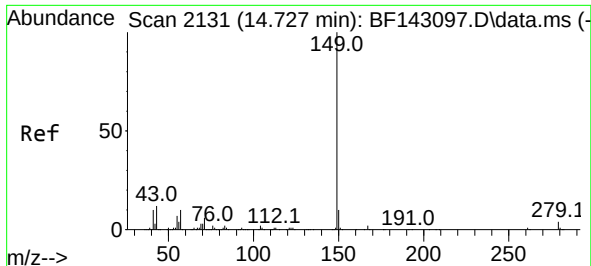
Ion Ratio Lower Upper

149 100

167 27.9 21.9 32.9

279 4.2 3.4 5.0

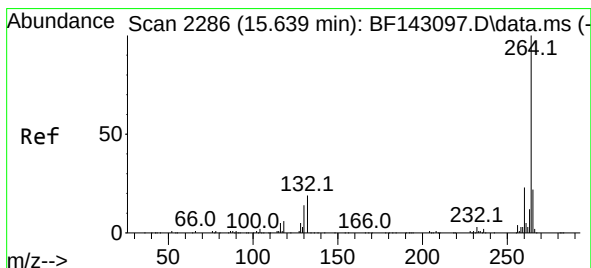
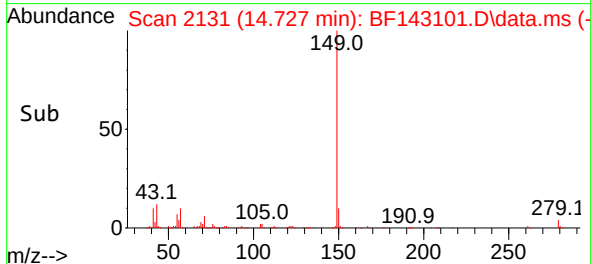
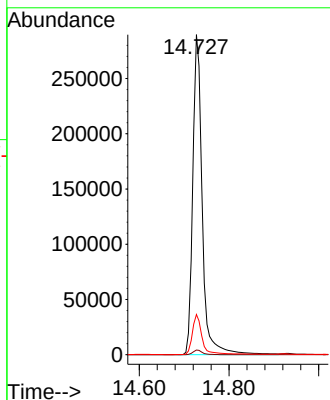
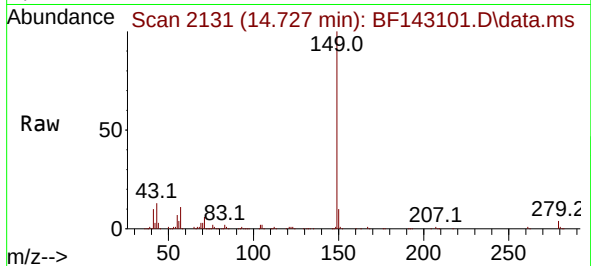




#85
Di-n-octyl phthalate
Concen: 38.648 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

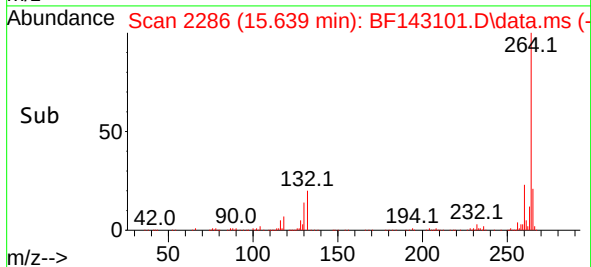
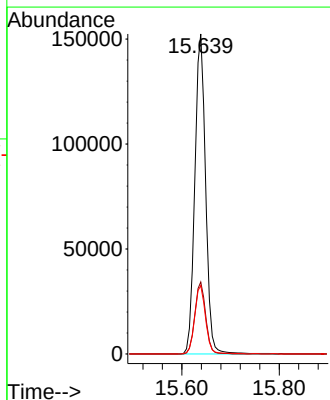
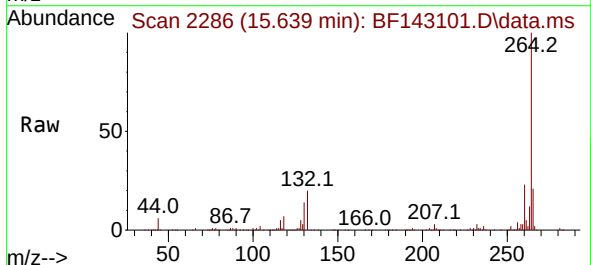
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

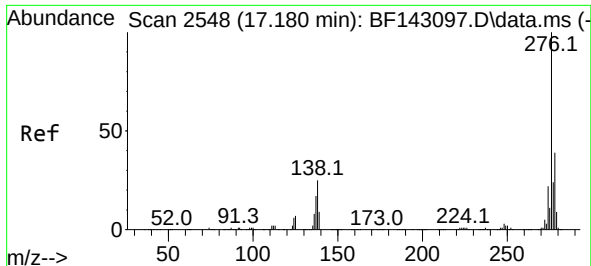
Tgt Ion:149 Resp: 424959
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 13.5 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:264 Resp: 235493
Ion Ratio Lower Upper
264 100
260 22.5 18.5 27.7
265 21.3 17.5 26.3

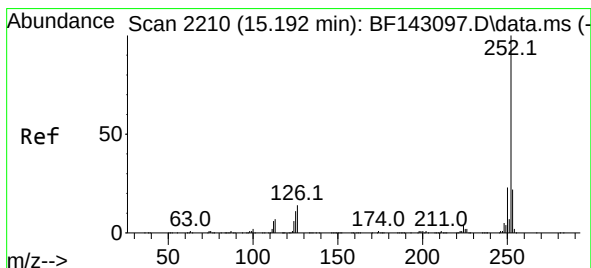
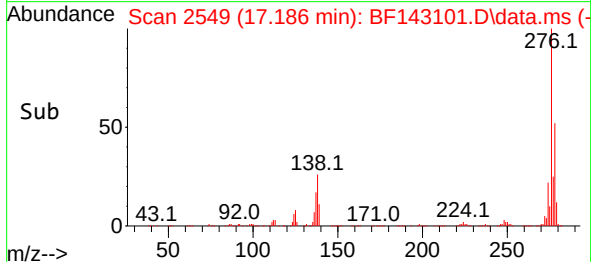
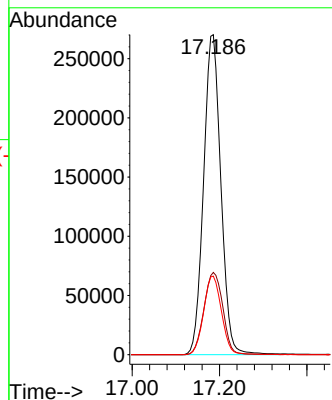
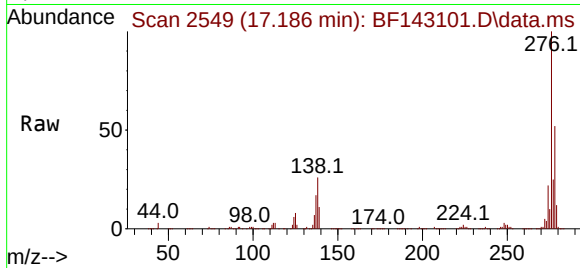




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.503 ng
RT: 17.186 min Scan# 2110
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

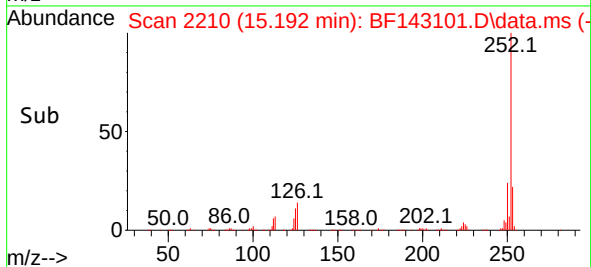
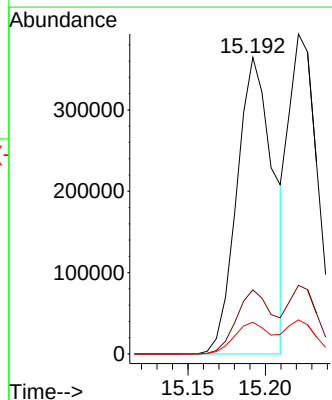
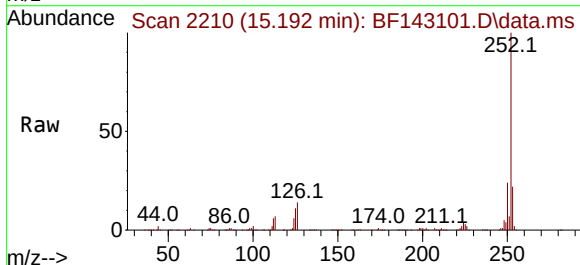
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

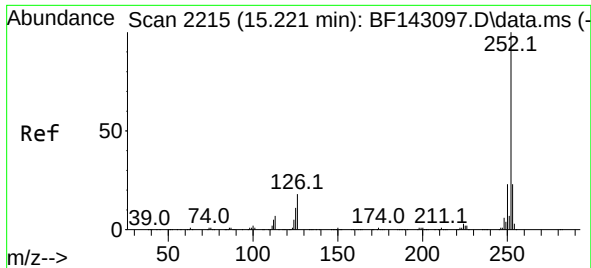
Tgt Ion:276 Resp: 744447
Ion Ratio Lower Upper
276 100
138 28.1 22.6 34.0
277 25.4 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 43.782 ng
RT: 15.192 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

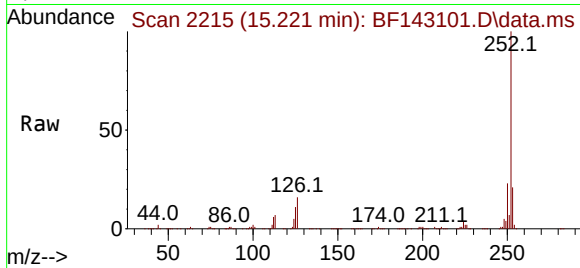
Tgt Ion:252 Resp: 594727
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.7 8.6 13.0



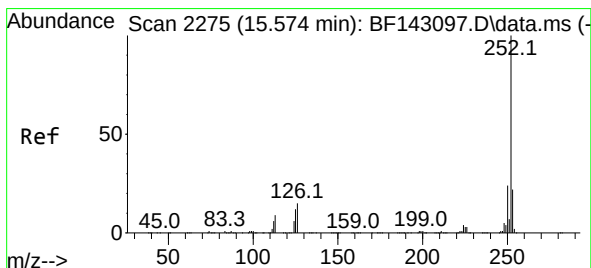
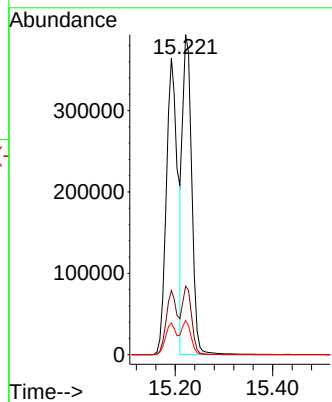
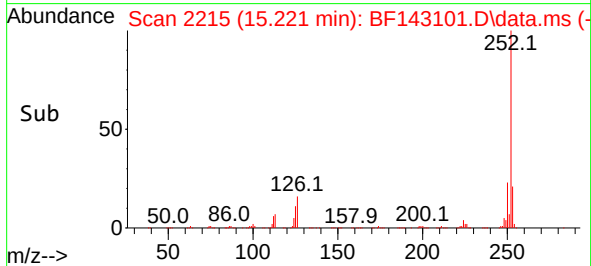


#89
Benzo(k)fluoranthene
Concen: 39.662 ng
RT: 15.221 min Scan# 2215
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

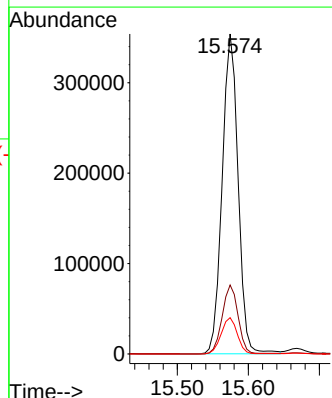
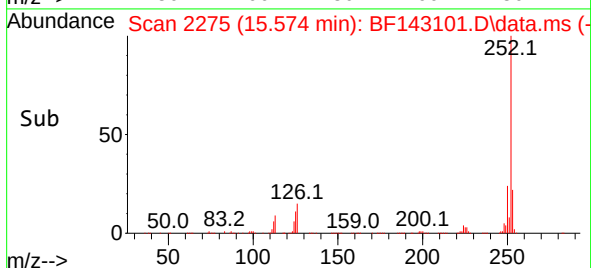
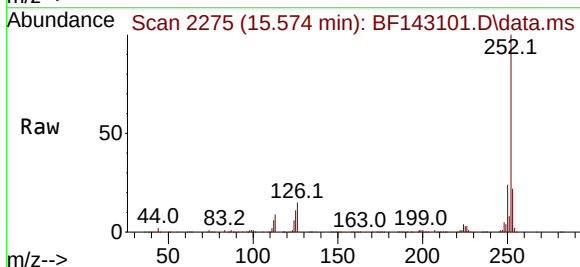


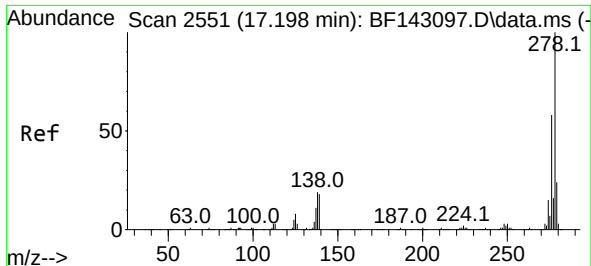
Tgt Ion:252 Resp: 513977
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.2
125 10.7 8.5 12.7



#90
Benzo(a)pyrene
Concen: 42.724 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 548875
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 11.4 9.4 14.0

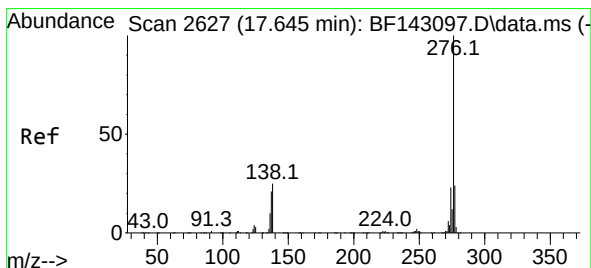
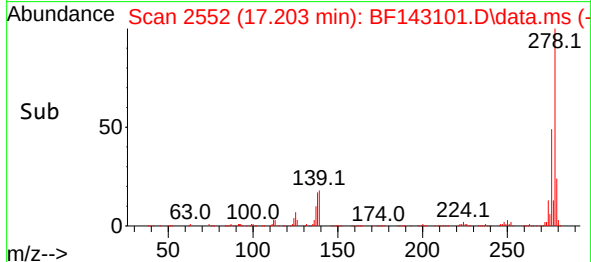
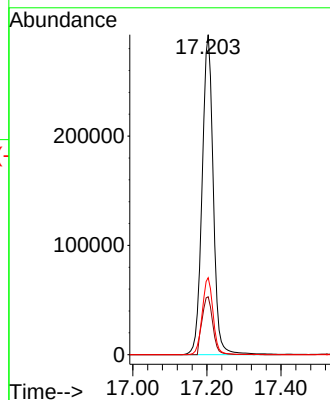
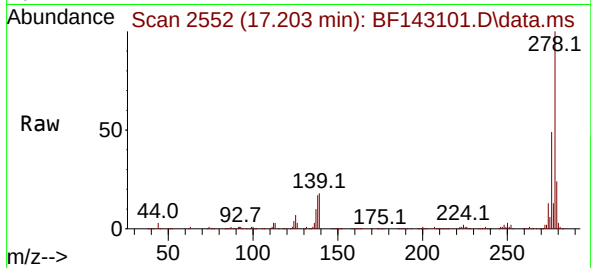




#91
Dibenzo(a,h)anthracene
Concen: 42.735 ng
RT: 17.203 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

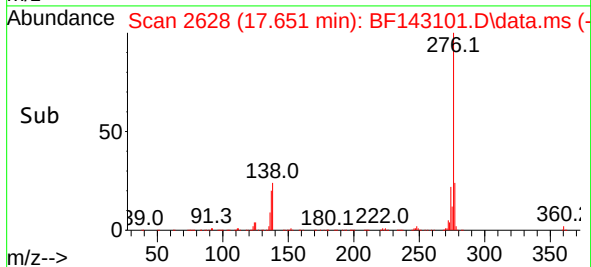
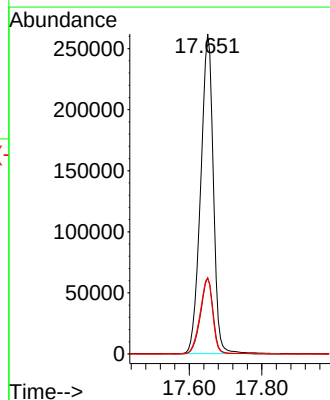
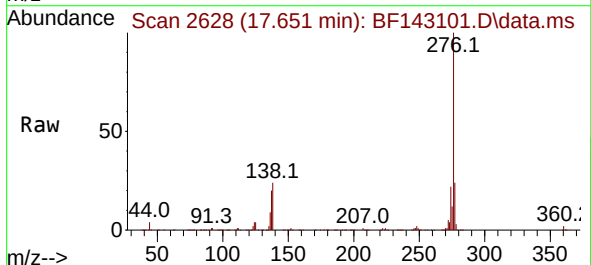
Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:278 Resp: 611881
Ion Ratio Lower Upper
278 100
139 18.1 14.6 22.0
279 24.1 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 43.359 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:276 Resp: 632939
Ion Ratio Lower Upper
276 100
277 23.7 19.2 28.8
138 23.9 19.8 29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143134.D
 Acq On : 17 Jul 2025 04:02
 Operator : RC/JU
 Sample : Q2558-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Denali-070925

Quant Time: Jul 17 04:46:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

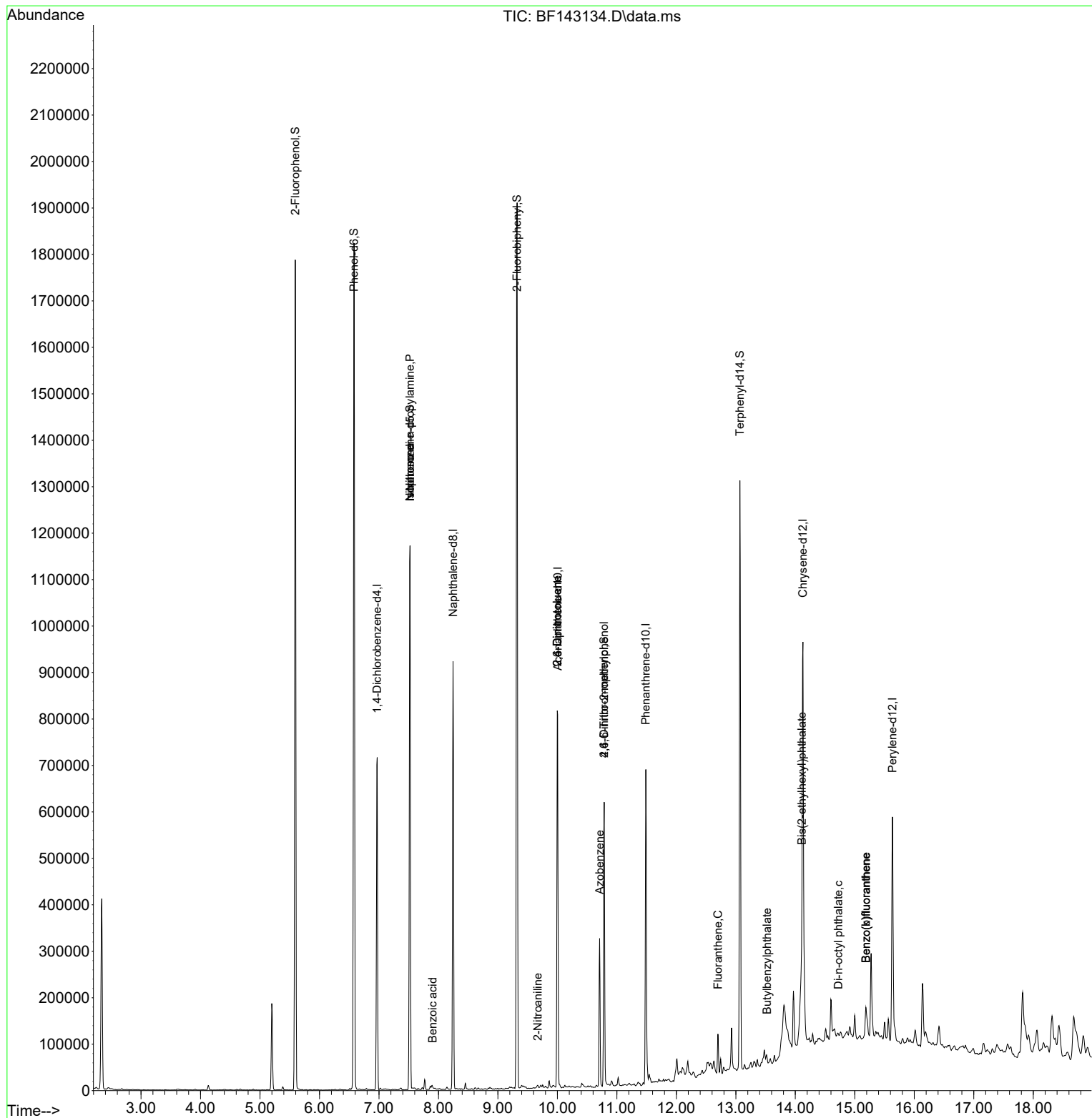
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	148809	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	543974	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	239712	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	333996	20.000	ng	0.00
76) Chrysene-d12	14.127	240	302047	20.000	ng	0.00
86) Perylene-d12	15.633	264	277642	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	631556	67.054	ng	0.00
7) Phenol-d6	6.581	99	824463	69.638	ng	0.00
23) Nitrobenzene-d5	7.522	82	508212	52.410	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	99201	46.412	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	835214	46.315	ng	0.00
79) Terphenyl-d14	13.069	244	588719	28.492	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	69869	9.633	ng	# 78
25) Isophorone	7.522	82	505957	26.995	ng	# 65
32) Benzoic acid	7.904	122	1120	6.744	ng	90
48) 2-Nitroaniline	9.669	65	58	3.188	ng	# 8
51) 2,6-Dinitrotoluene	9.998	165	31136	12.636	ng	# 17
57) 2,4-Dinitrotoluene	9.998	165	31136	11.174	ng	# 20
63) Azobenzene	10.710	77	78553	4.882	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	120	5.559	ng	# 1
75) Fluoranthene	12.698	202	46789	2.855	ng	99
80) Butylbenzylphthalate	13.527	149	499	3.494	ng	# 34
84) Bis(2-ethylhexyl)phtha...	14.110	149	17165	5.289	ng	96
85) Di-n-octyl phthalate	14.721	149	319	6.708	ng	# 1
88) Benzo(b)fluoranthene	15.186	252	59188	3.696	ng	# 92
89) Benzo(k)fluoranthene	15.186	252	59188	3.874	ng	# 92

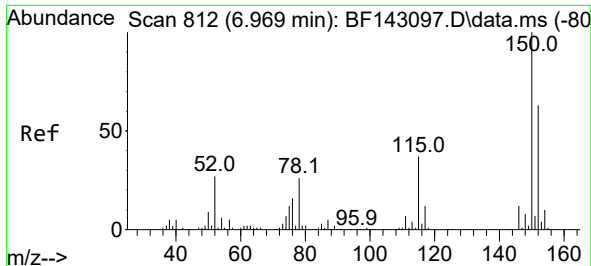
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143134.D
Acq On : 17 Jul 2025 04:02
Operator : RC/JU
Sample : Q2558-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

Quant Time: Jul 17 04:46:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

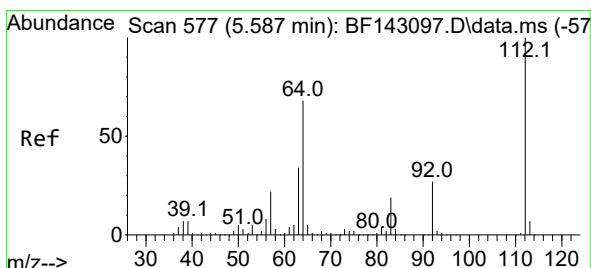
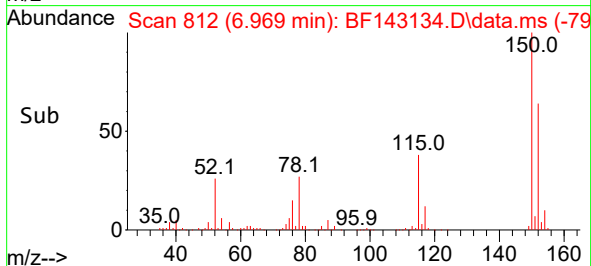
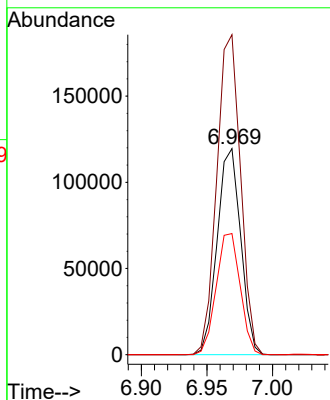
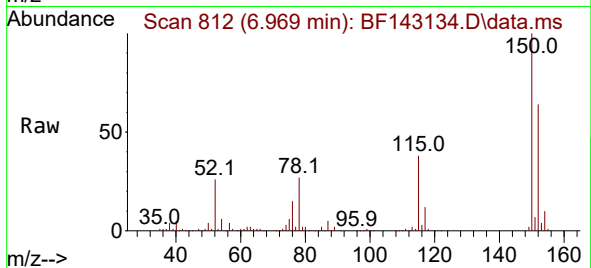




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

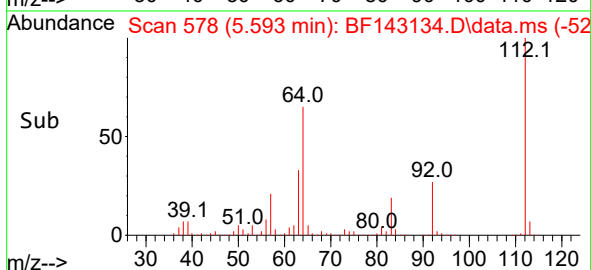
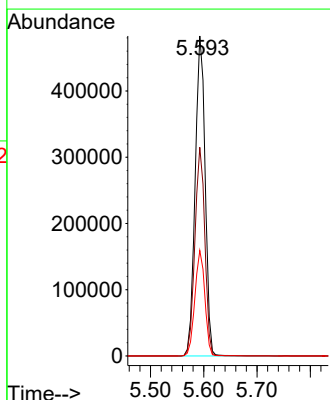
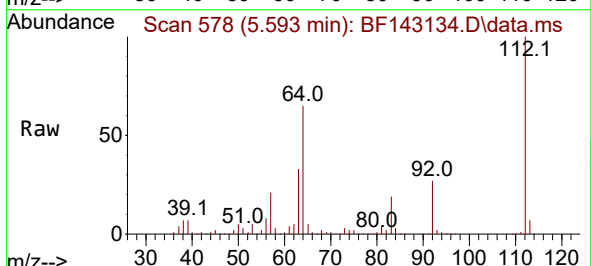
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

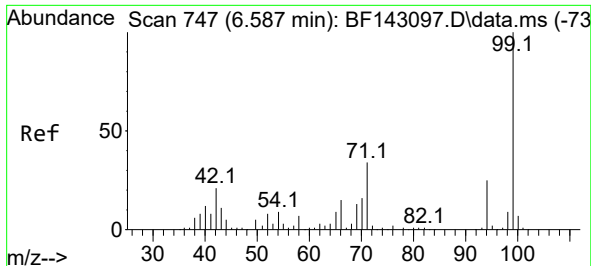
Tgt Ion:152 Resp: 148809
Ion Ratio Lower Upper
152 100
150 155.3 126.5 189.7
115 58.8 47.0 70.6



#5
2-Fluorophenol
Concen: 67.054 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:112 Resp: 631556
Ion Ratio Lower Upper
112 100
64 65.2 54.6 82.0
63 33.0 27.3 40.9

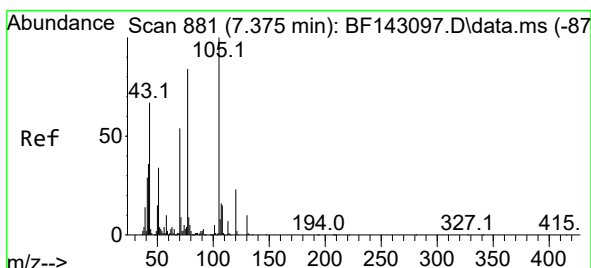
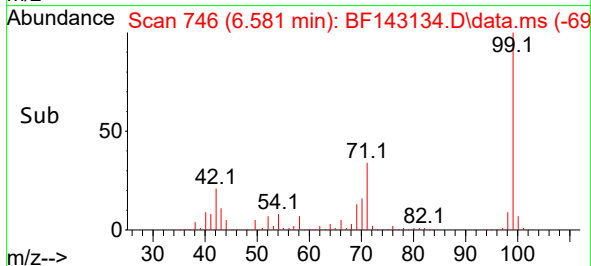
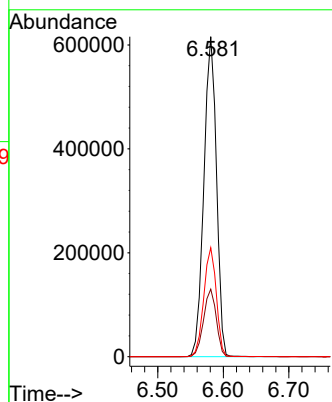
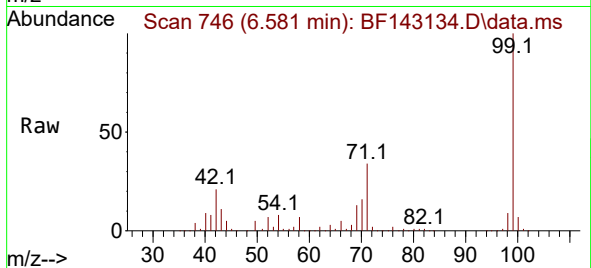




#7
Phenol-d6
Concen: 69.638 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

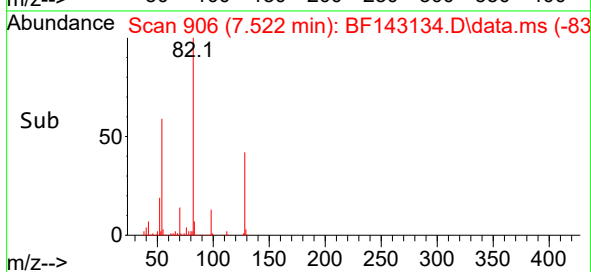
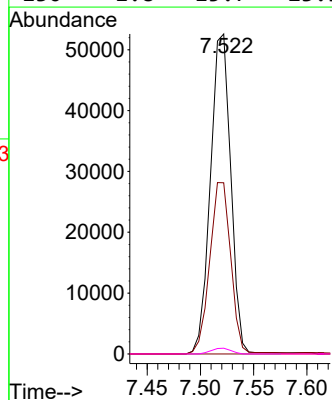
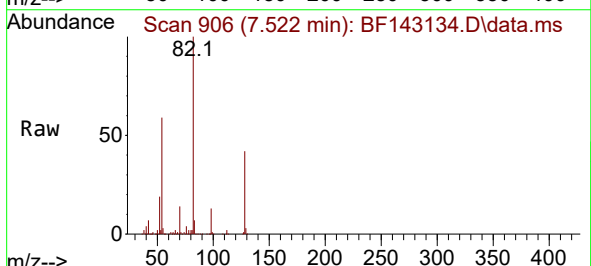
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

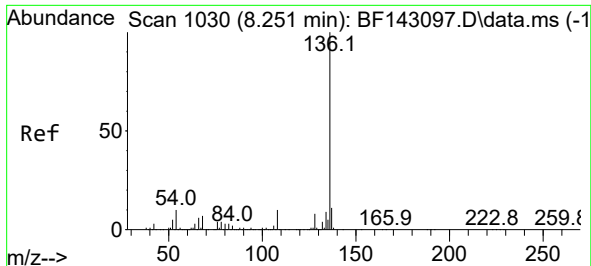
Tgt Ion: 99 Resp: 824463
Ion Ratio Lower Upper
99 100
42 21.1 17.2 25.8
71 34.1 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.633 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion: 70 Resp: 69869
Ion Ratio Lower Upper
70 100
42 53.5 53.2 79.8
101 0.0 7.5 11.3#
130 1.8 15.7 23.5#

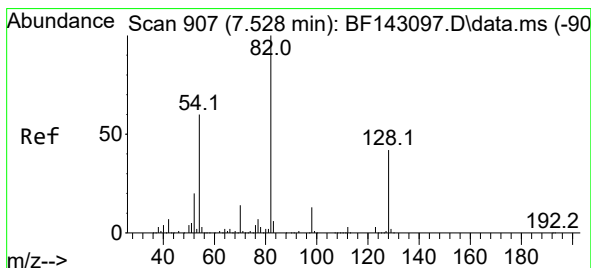
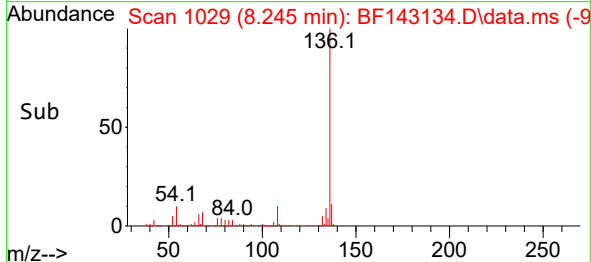
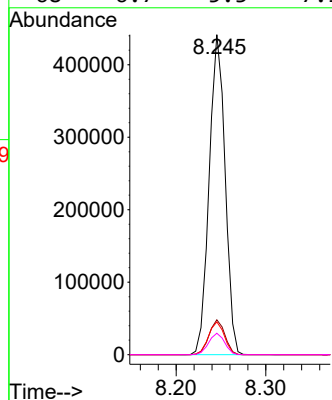
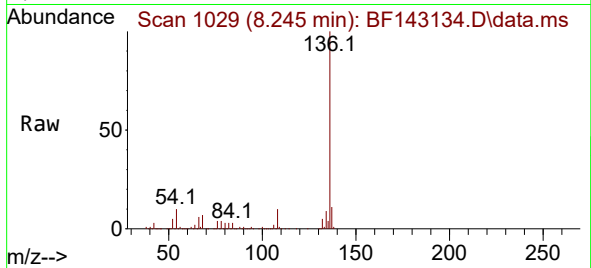




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

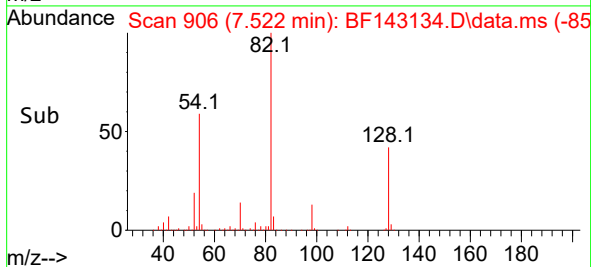
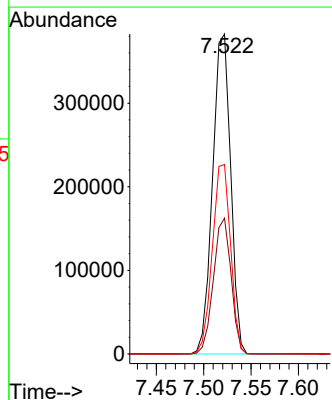
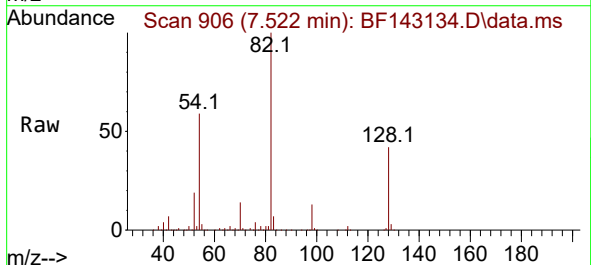
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

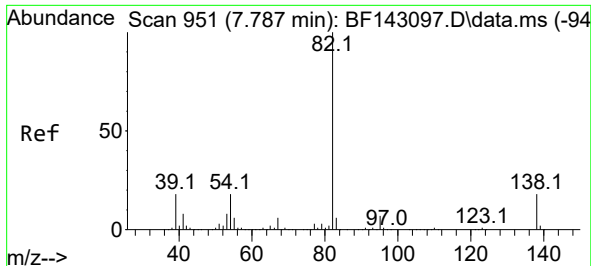
Tgt Ion:	136	Resp:	543974
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.2	8.3	12.5
68	6.7	5.3	7.9



#23
Nitrobenzene-d5
Concen: 52.410 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:	82	Resp:	508212
Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.3	49.9
54	59.2	47.4	71.2

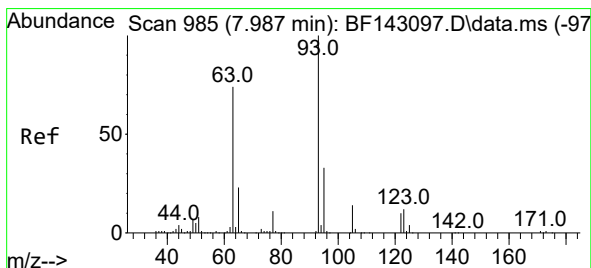
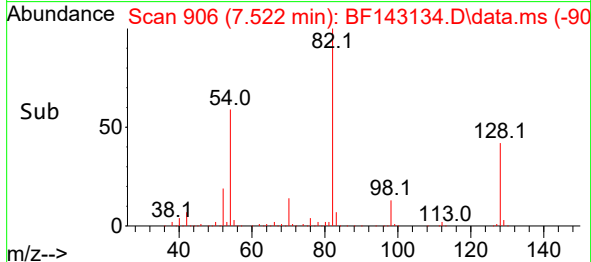
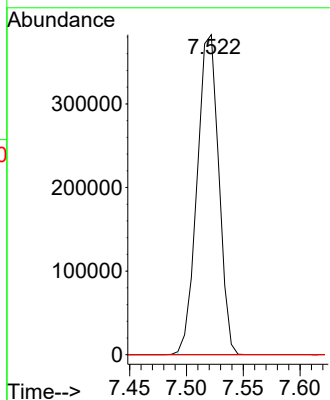
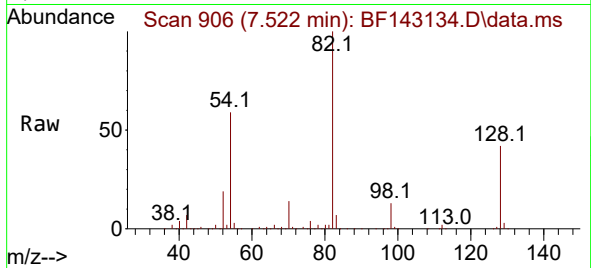




#25
Isophorone
Concen: 26.995 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

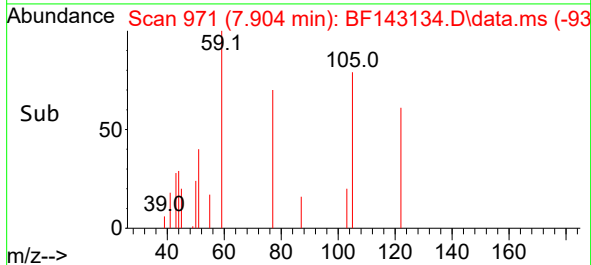
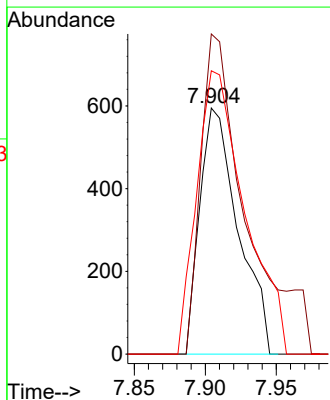
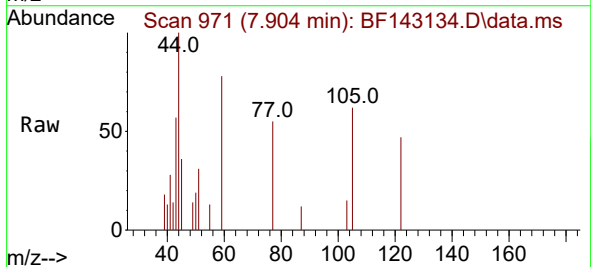
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

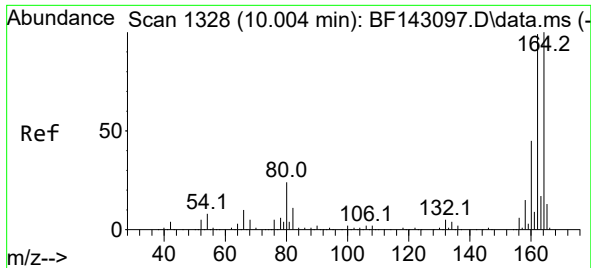
Tgt Ion: 82 Resp: 505957
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#32
Benzoic acid
Concen: 6.744 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.083 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

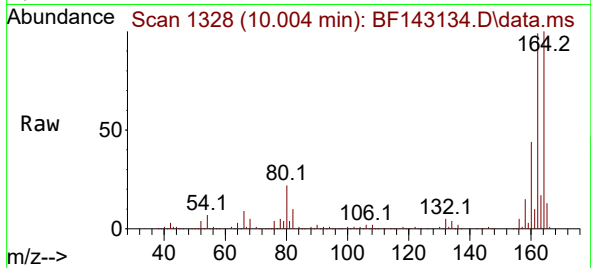
Tgt Ion:122 Resp: 1120
Ion Ratio Lower Upper
122 100
105 130.1 105.4 145.4
77 115.1 78.6 118.6



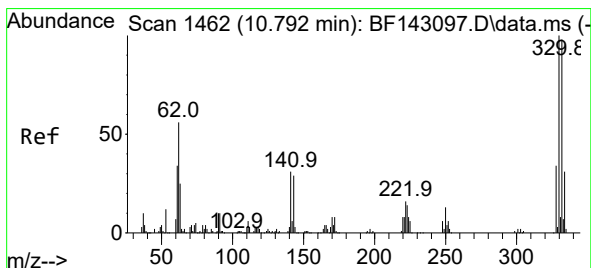
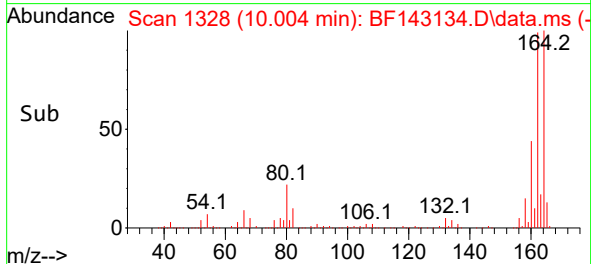
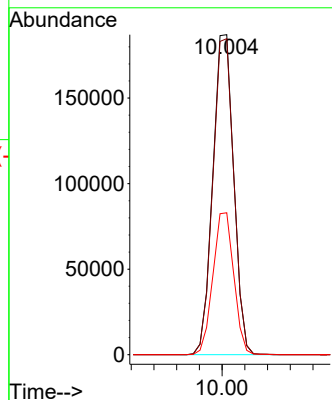


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

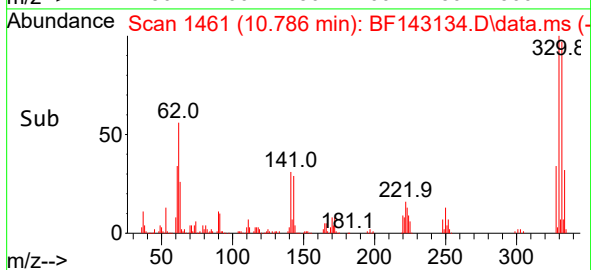
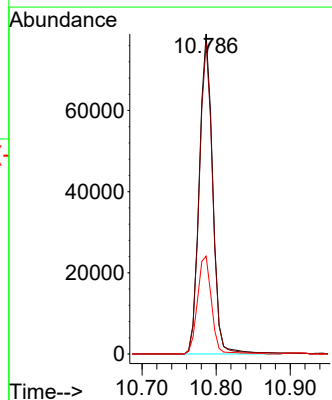
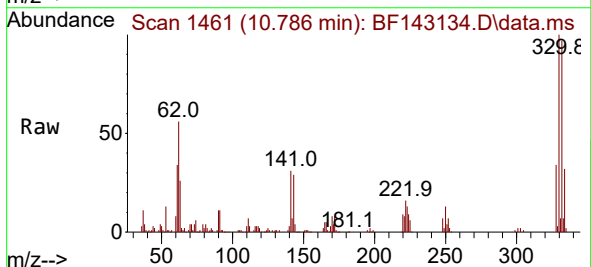


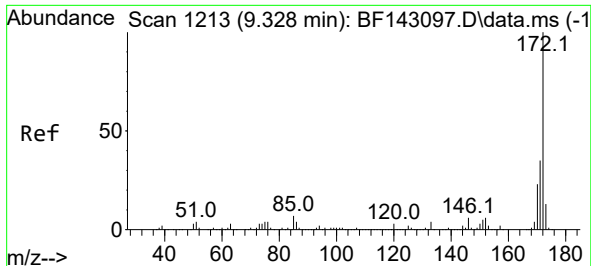
Tgt Ion:164 Resp: 239712
Ion Ratio Lower Upper
164 100
162 98.7 79.0 118.6
160 44.4 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 46.412 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:330 Resp: 99201
Ion Ratio Lower Upper
330 100
332 97.1 77.9 116.9
141 32.0 25.9 38.9





#45

2-Fluorobiphenyl

Concen: 46.315 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Denali-070925

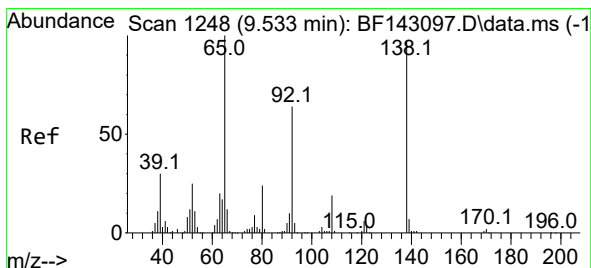
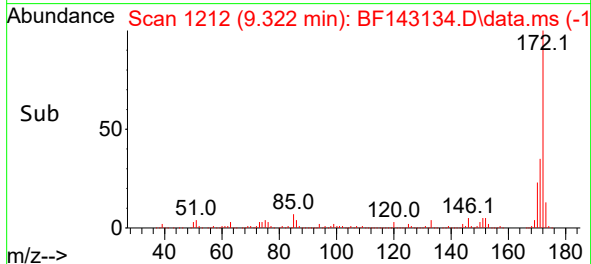
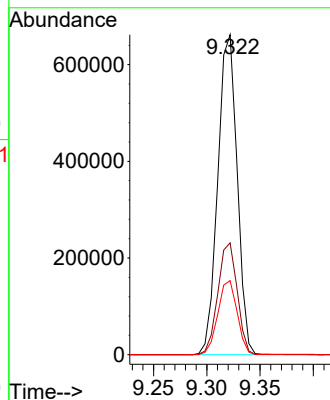
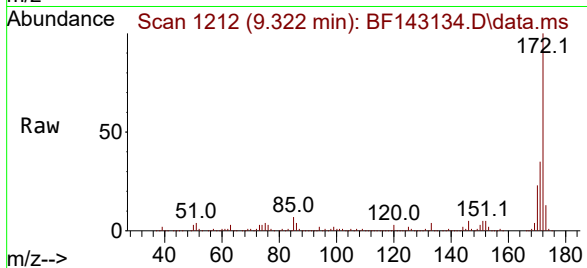
Tgt Ion:172 Resp: 835214

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.2 18.6 28.0



#48

2-Nitroaniline

Concen: 3.188 ng

RT: 9.669 min Scan# 1271

Delta R.T. 0.136 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

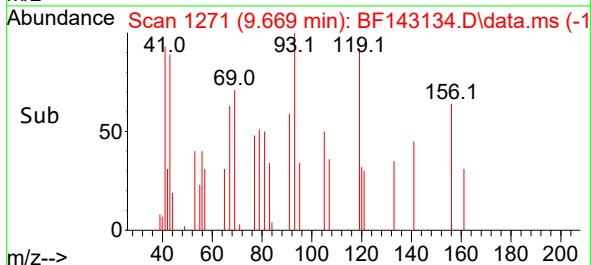
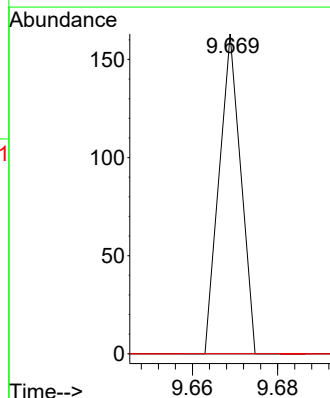
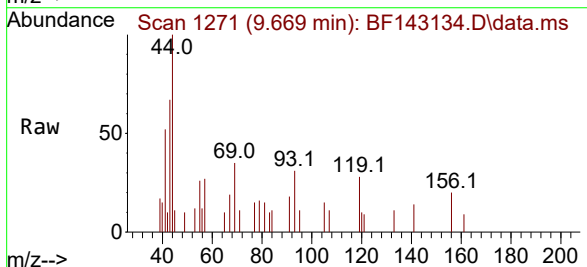
Tgt Ion: 65 Resp: 58

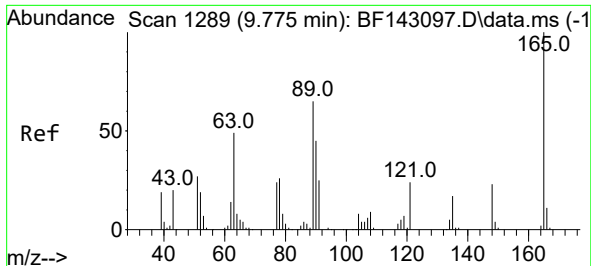
Ion Ratio Lower Upper

65 100

92 0.0 51.3 76.9#

138 0.0 77.8 116.6#

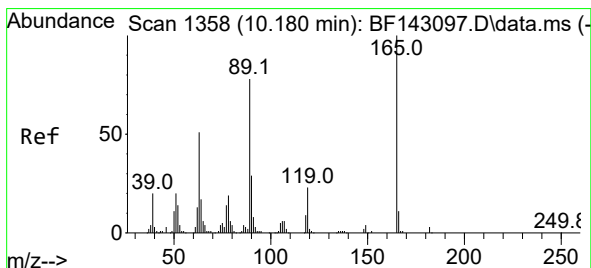
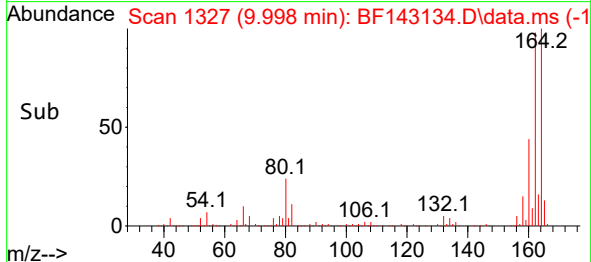
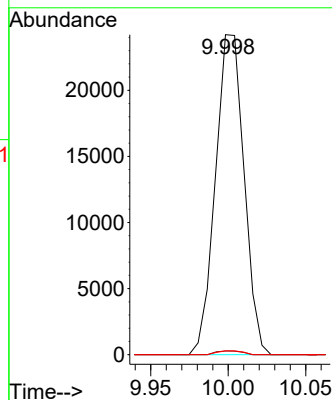
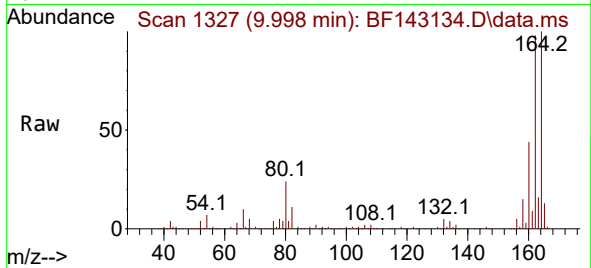




#51
2,6-Dinitrotoluene
Concen: 12.636 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.223 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

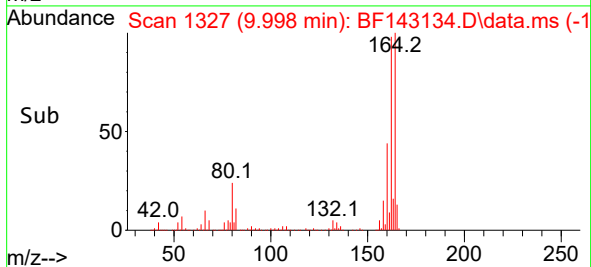
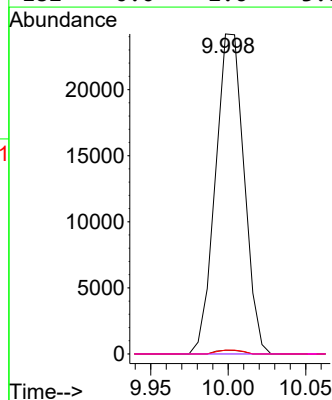
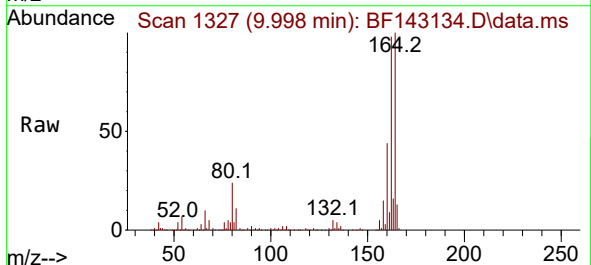
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

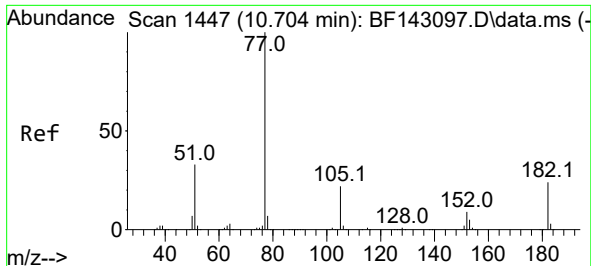
Tgt Ion:165 Resp: 31136
Ion Ratio Lower Upper
165 100
63 1.2 57.4 86.0#
89 1.2 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 11.174 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.182 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:165 Resp: 31136
Ion Ratio Lower Upper
165 100
63 1.2 40.6 61.0#
89 1.2 62.3 93.5#
182 0.0 2.6 3.8#

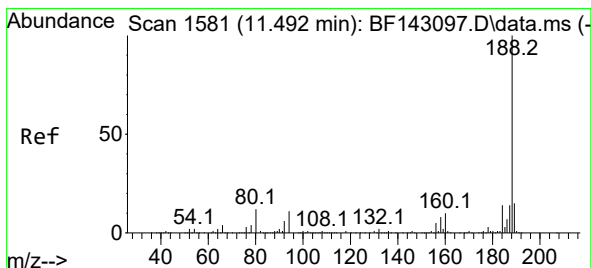
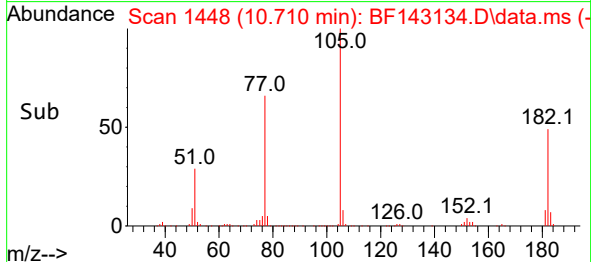
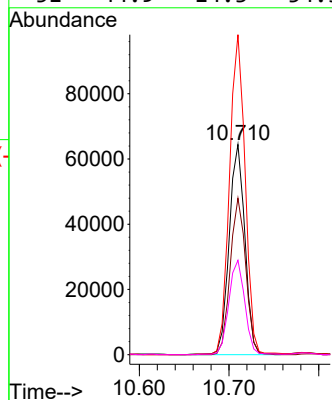
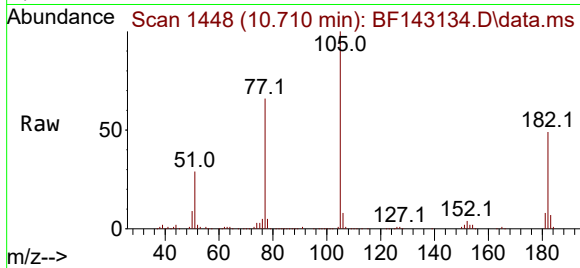




#63
Azobenzene
Concen: 4.882 ng
RT: 10.710 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

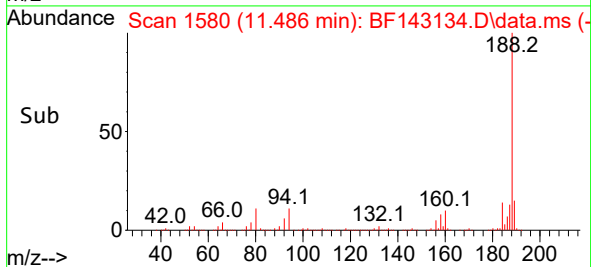
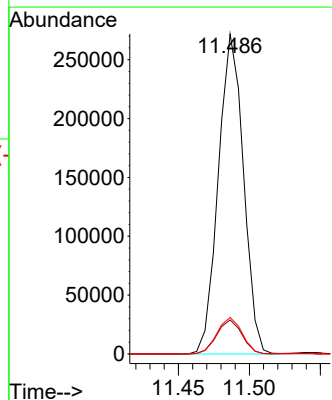
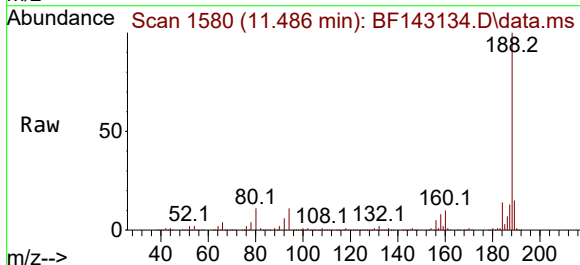
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

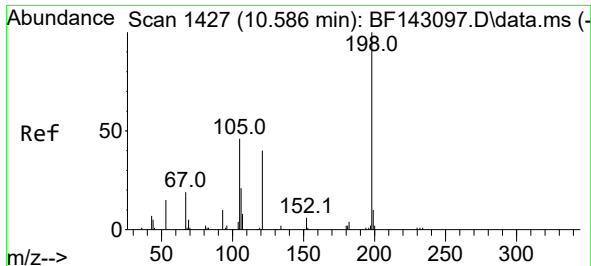
Tgt Ion: 77 Resp: 78553
Ion Ratio Lower Upper
77 100
182 74.5 4.0 44.0#
105 152.2 1.4 41.4#
51 44.9 14.3 54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion: 188 Resp: 333996
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 11.4 9.3 13.9

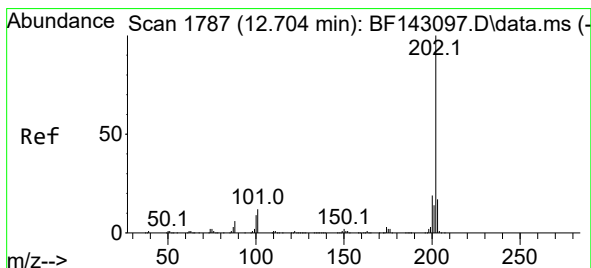
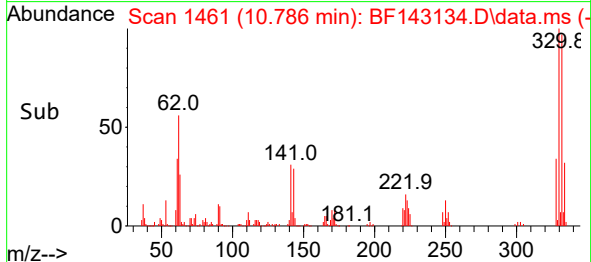
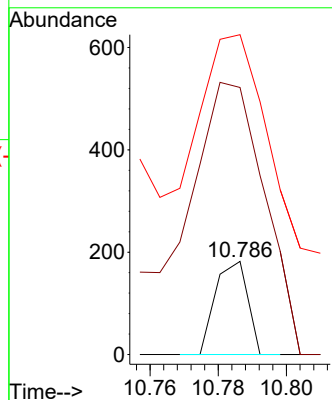
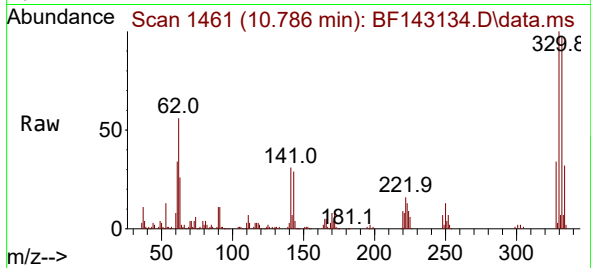




#65
4,6-Dinitro-2-methylphenol
Concen: 5.559 ng
RT: 10.786 min Scan# 1427
Delta R.T. 0.200 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

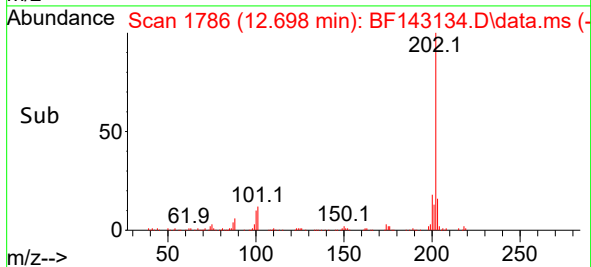
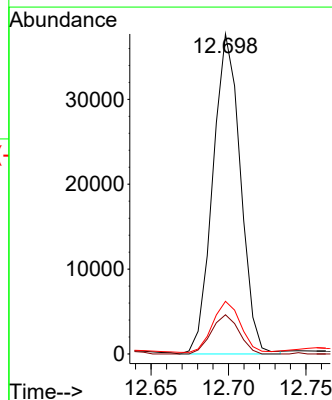
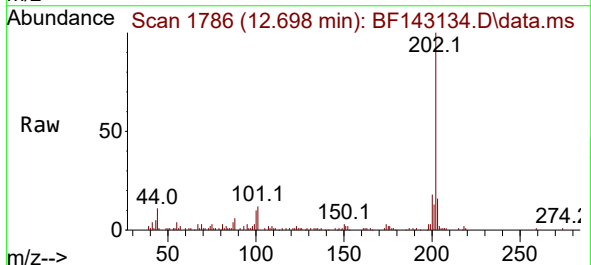
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

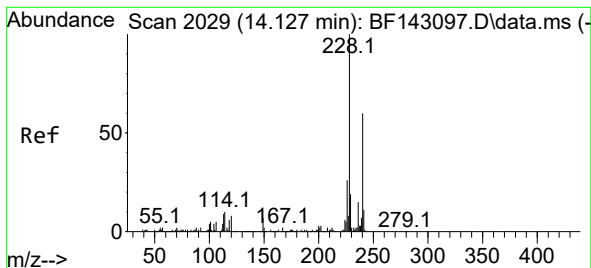
Tgt Ion:198 Resp: 120
Ion Ratio Lower Upper
198 100
51 286.8 44.6 84.6#
105 343.4 29.3 69.3#



#75
Fluoranthene
Concen: 2.855 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:202 Resp: 46789
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.4
203 16.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Denali-070925

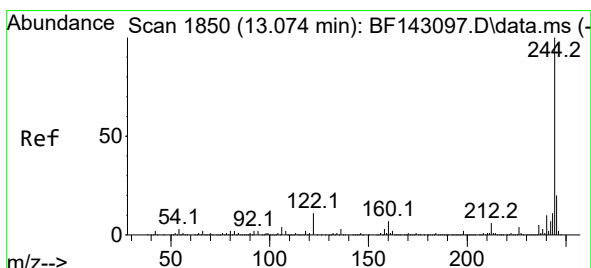
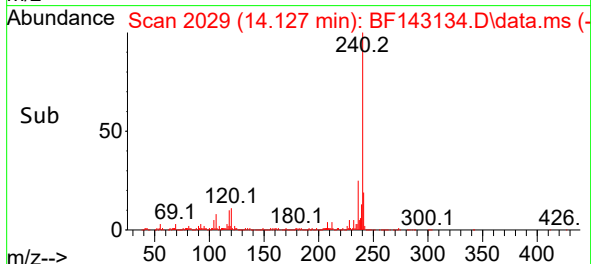
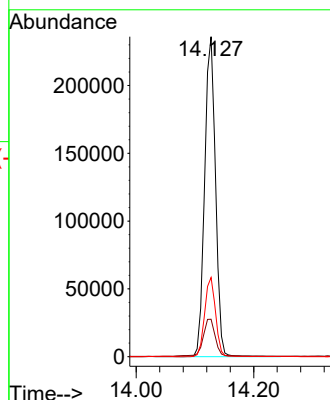
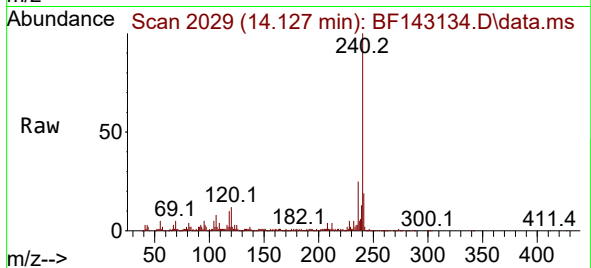
Tgt Ion:240 Resp: 302047

Ion Ratio Lower Upper

240 100

120 11.7 10.0 15.0

236 24.7 20.0 30.0



#79

Terphenyl-d14

Concen: 28.492 ng

RT: 13.069 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

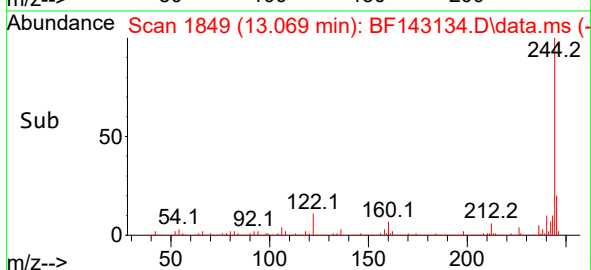
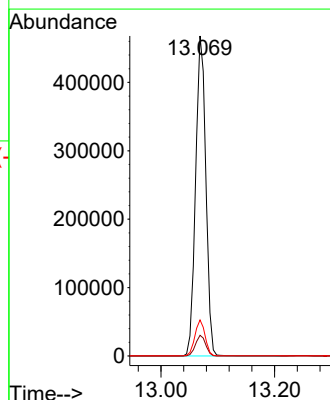
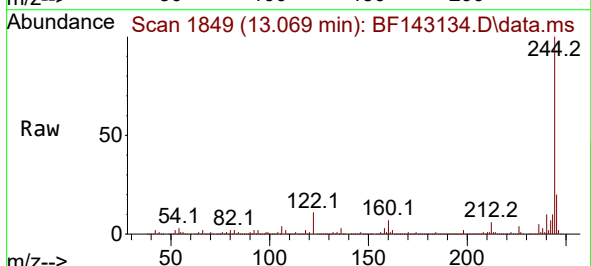
Tgt Ion:244 Resp: 588719

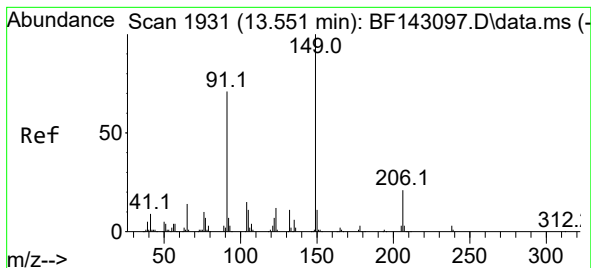
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.3 8.8 13.2





#80

Butylbenzylphthalate

Concen: 3.494 ng

RT: 13.527 min Scan# 1931

Delta R.T. -0.024 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

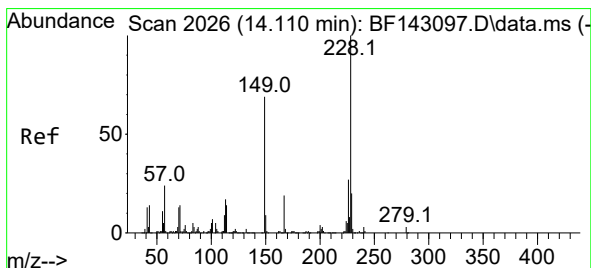
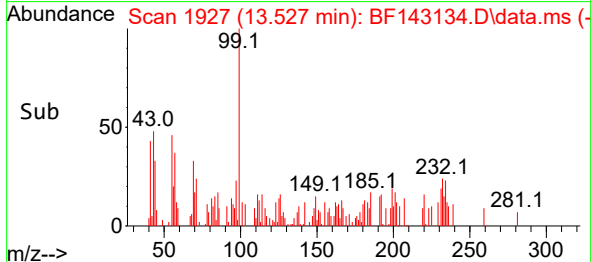
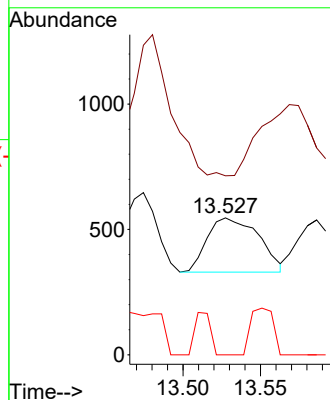
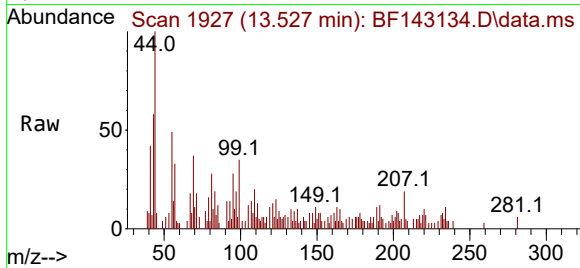
Instrument :

BNA_F

ClientSampleId :

OU4-TS-Denali-070925

Tgt Ion:	149	Resp:	499
Ion Ratio	Lower	Upper	
149	100		
91	130.8	57.0	85.4#
206	0.0	17.2	25.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.289 ng

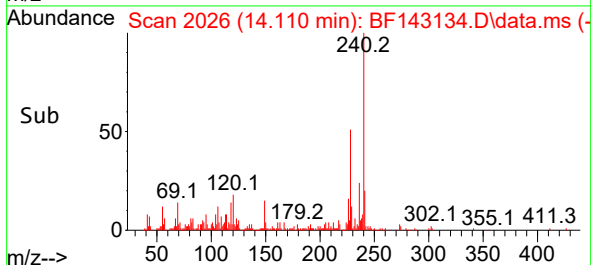
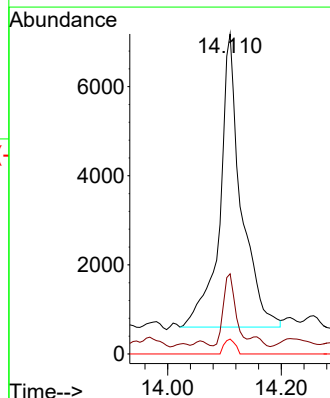
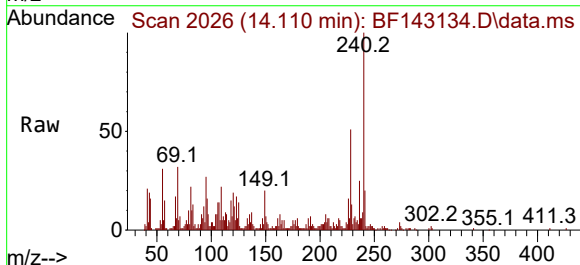
RT: 14.110 min Scan# 2026

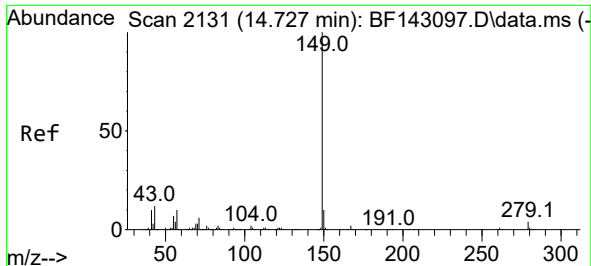
Delta R.T. -0.000 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

Tgt Ion:	149	Resp:	17165
Ion Ratio	Lower	Upper	
149	100		
167	25.0	21.9	32.9
279	4.6	3.4	5.0

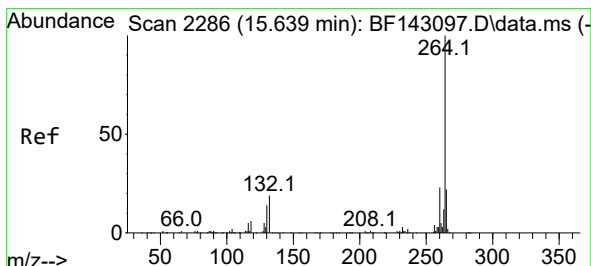
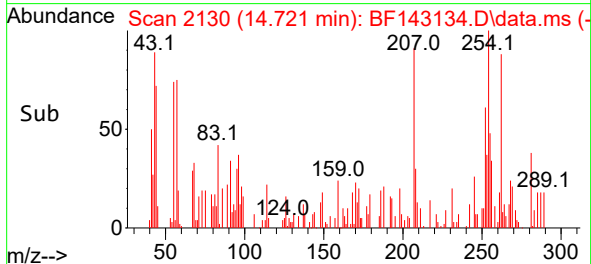
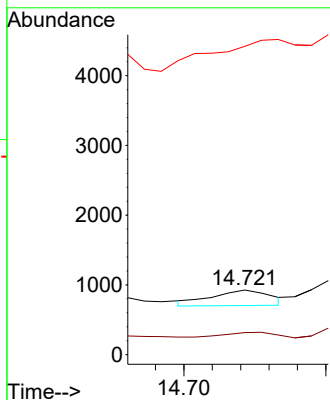
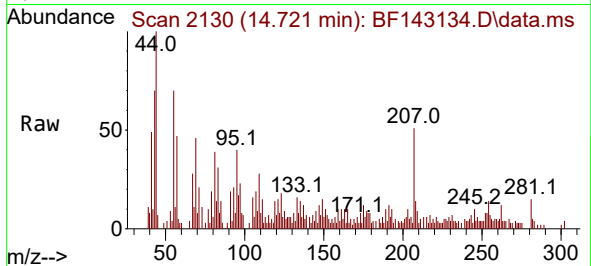




#85
Di-n-octyl phthalate
Concen: 6.708 ng
RT: 14.721 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

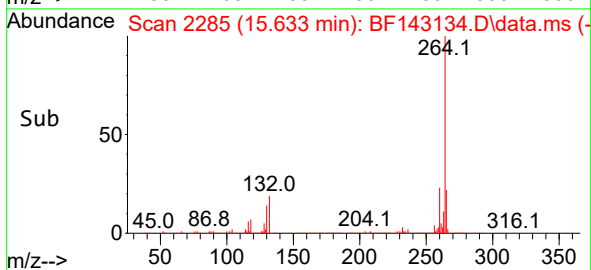
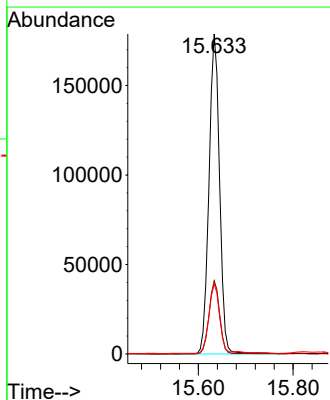
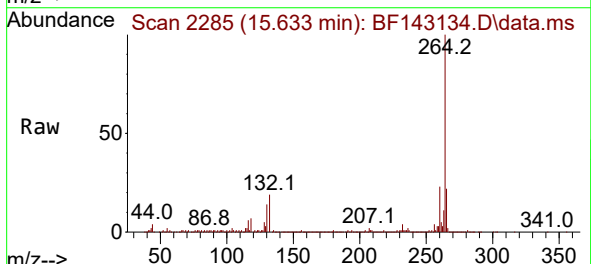
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Denali-070925

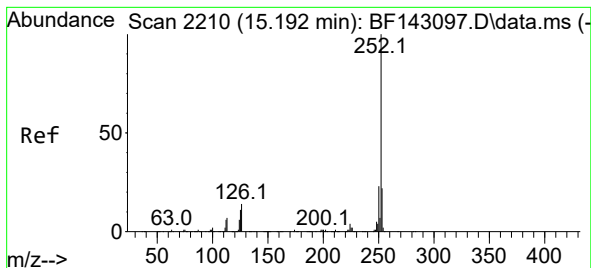
Tgt Ion:149 Resp: 319
Ion Ratio Lower Upper
149 100
167 30.4 1.2 1.8#
43 327.9 10.6 16.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143134.D
Acq: 17 Jul 2025 04:02

Tgt Ion:264 Resp: 277642
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.9 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.696 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Denali-070925

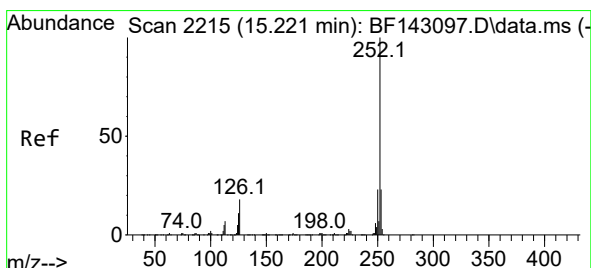
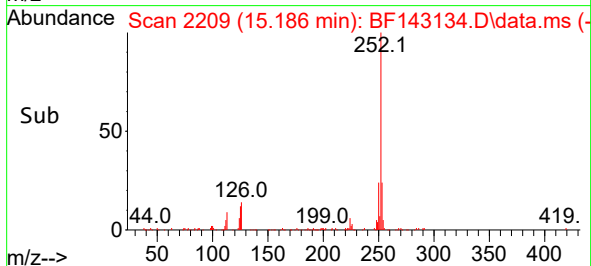
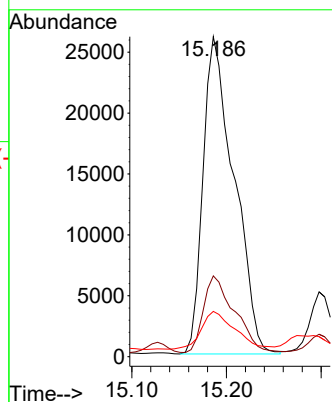
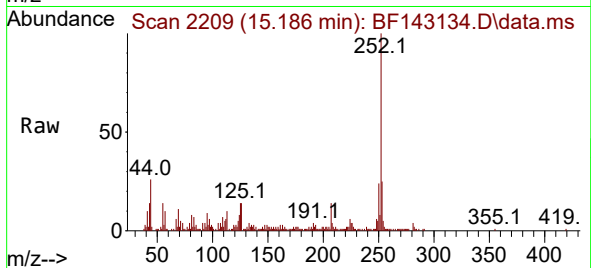
Tgt Ion:252 Resp: 59188

Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

125 14.1 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 3.874 ng

RT: 15.186 min Scan# 2209

Delta R.T. -0.035 min

Lab File: BF143134.D

Acq: 17 Jul 2025 04:02

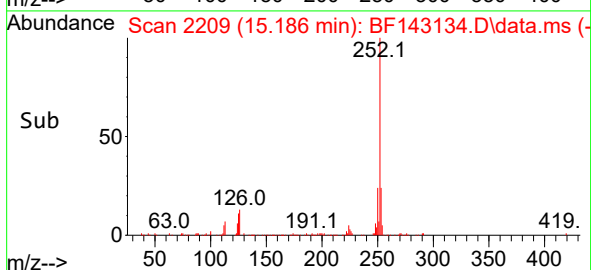
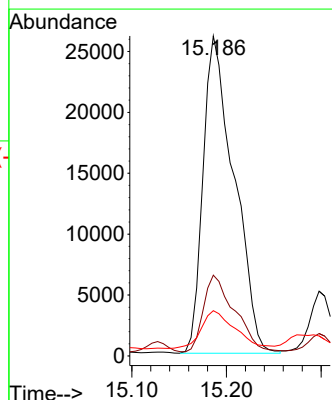
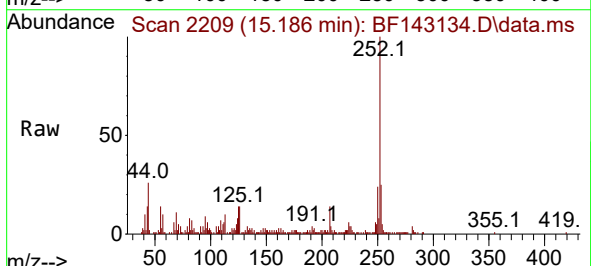
Tgt Ion:252 Resp: 59188

Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.2

125 14.1 8.5 12.7#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143136.D
 Acq On : 17 Jul 2025 05:00
 Operator : RC/JU
 Sample : Q2558-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Grillo-OG-070925

Quant Time: Jul 17 05:17:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

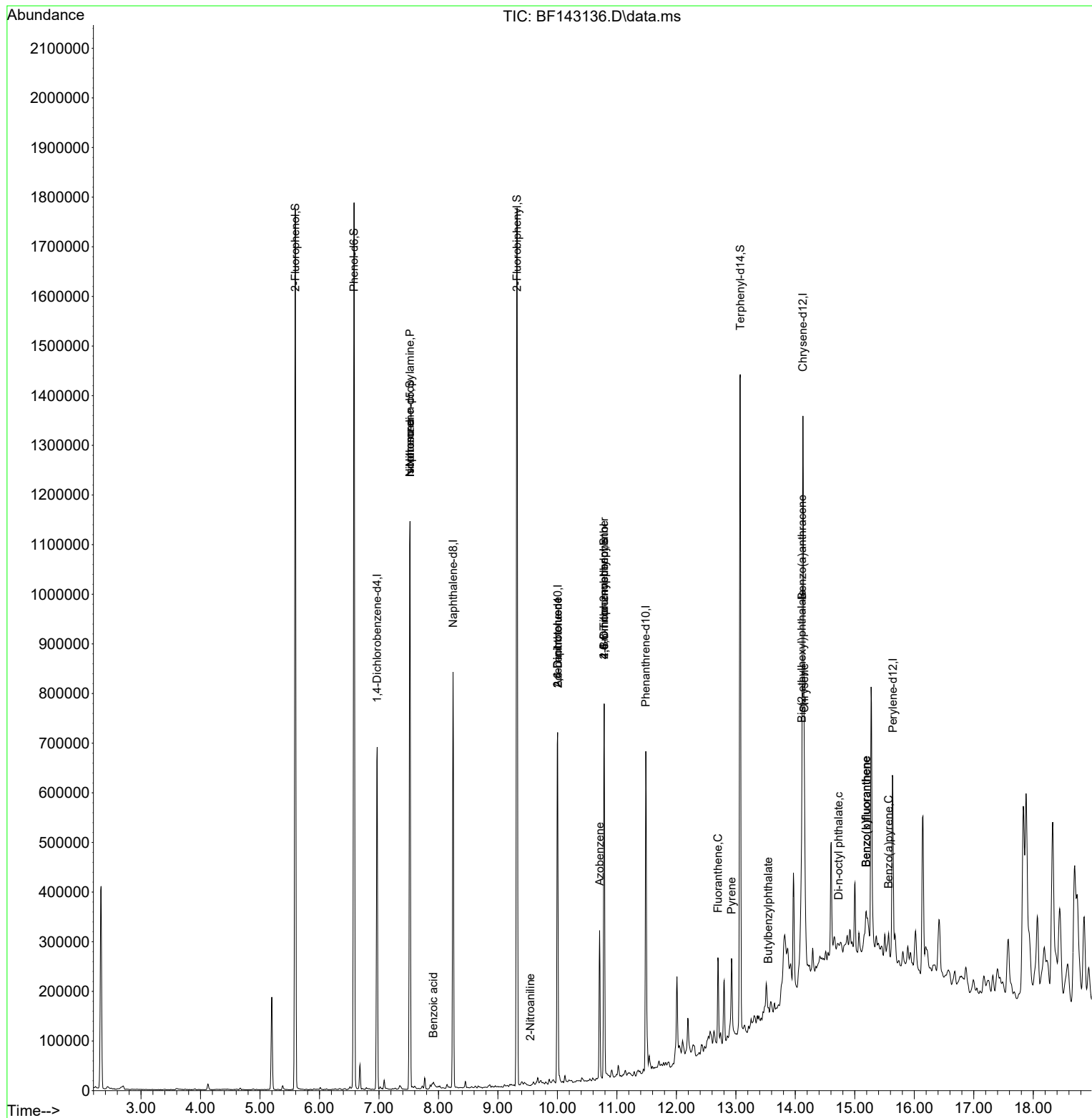
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	142532	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	490921	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	206095	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	317891	20.000	ng	0.00
76) Chrysene-d12	14.127	240	291247	20.000	ng	0.00
86) Perylene-d12	15.639	264	224121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	622688	69.024	ng	0.00
7) Phenol-d6	6.581	99	799908	70.539	ng	0.00
23) Nitrobenzene-d5	7.522	82	494539	56.512	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	121703	66.228	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	769826	49.653	ng	0.00
79) Terphenyl-d14	13.075	244	652972	32.774	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	66628	9.590	ng	# 79
25) Isophorone	7.522	82	493343	29.167	ng	# 65
32) Benzoic acid	7.916	122	5024	7.631	ng	89
48) 2-Nitroaniline	9.545	65	248	3.240	ng	# 8
51) 2,6-Dinitrotoluene	10.004	165	27322	12.839	ng	# 17
57) 2,4-Dinitrotoluene	10.004	165	27322	11.334	ng	# 20
63) Azobenzene	10.710	77	72784	5.261	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	207	5.642	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	7847	2.171	ng	# 1
75) Fluoranthene	12.698	202	98156	6.292	ng	100
78) Pyrene	12.928	202	89660	3.318	ng	98
80) Butylbenzylphthalate	13.545	149	1329	3.639	ng	# 52
81) Benzo(a)anthracene	14.116	228	48640	2.506	ng	# 93
83) Chrysene	14.151	228	47737	2.671	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.110	149	31813	7.020	ng	94
85) Di-n-octyl phthalate	14.727	149	255	6.705	ng	# 46
88) Benzo(b)fluoranthene	15.192	252	67679	5.235	ng	# 86
89) Benzo(k)fluoranthene	15.192	252	67679	5.488	ng	# 85
90) Benzo(a)pyrene	15.569	252	31369	2.566	ng	# 87

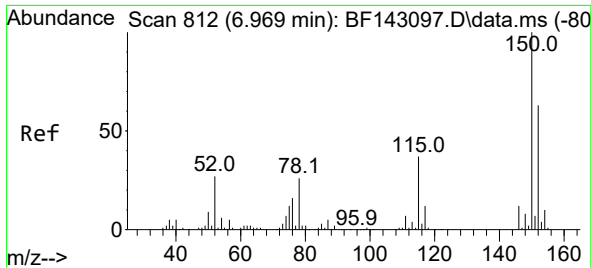
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143136.D
Acq On : 17 Jul 2025 05:00
Operator : RC/JU
Sample : Q2558-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

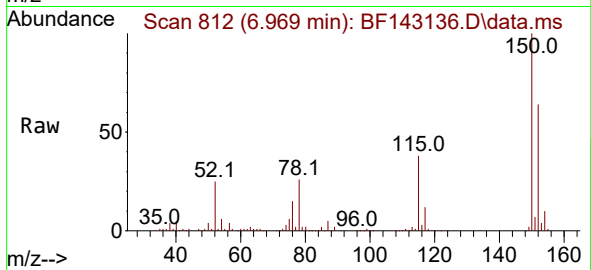
Quant Time: Jul 17 05:17:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



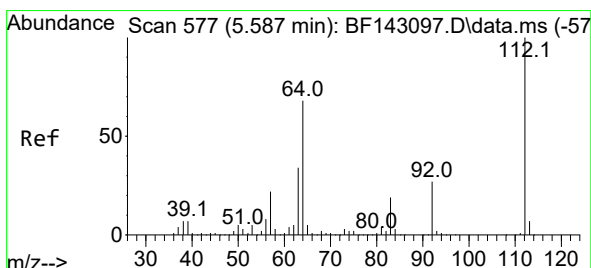
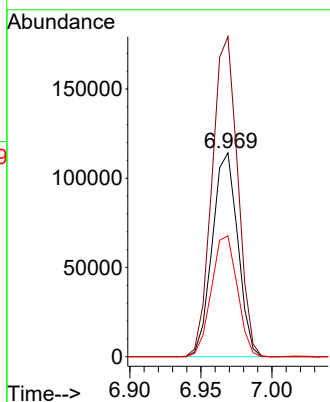
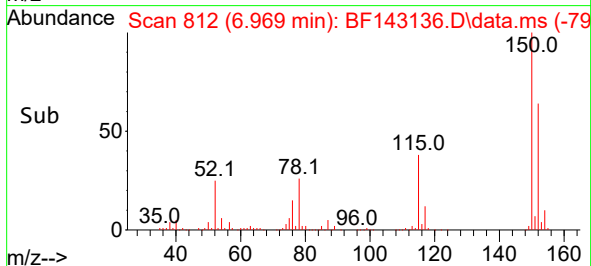


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

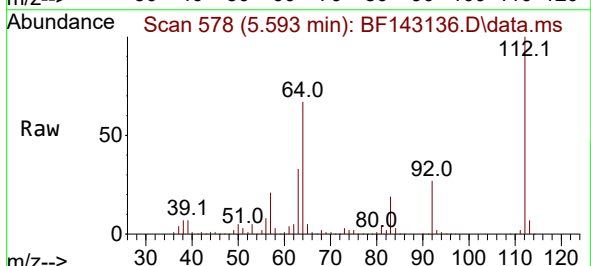
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925



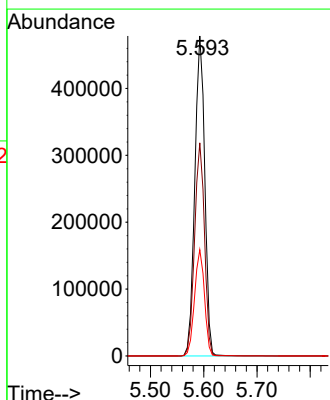
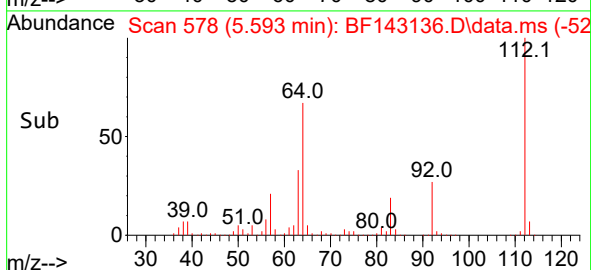
Tgt Ion:152 Resp: 142532
Ion Ratio Lower Upper
152 100
150 157.0 126.5 189.7
115 59.3 47.0 70.6

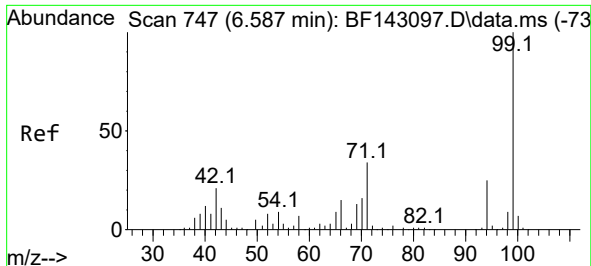


#5
2-Fluorophenol
Concen: 69.024 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00



Tgt Ion:112 Resp: 622688
Ion Ratio Lower Upper
112 100
64 66.6 54.6 82.0
63 33.2 27.3 40.9

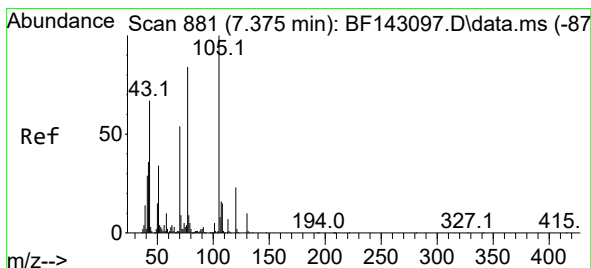
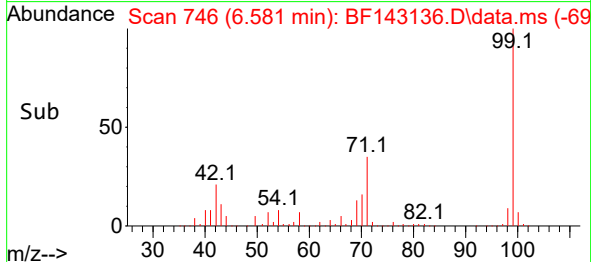
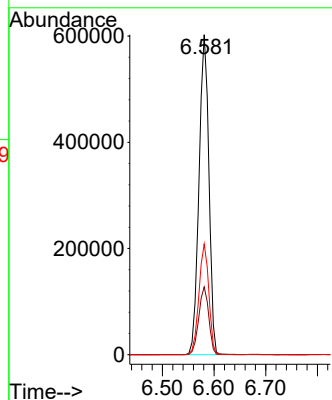
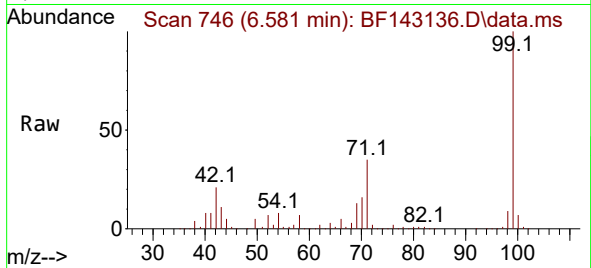




#7
Phenol-d6
Concen: 70.539 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

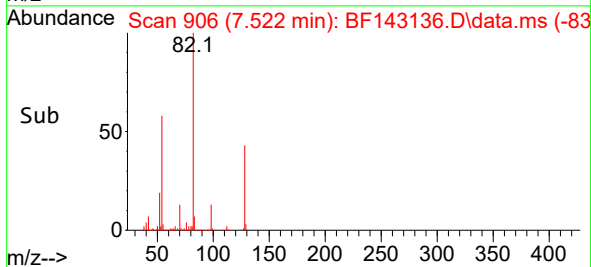
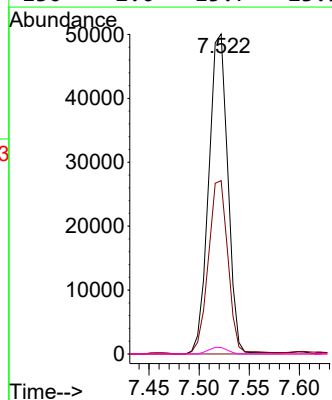
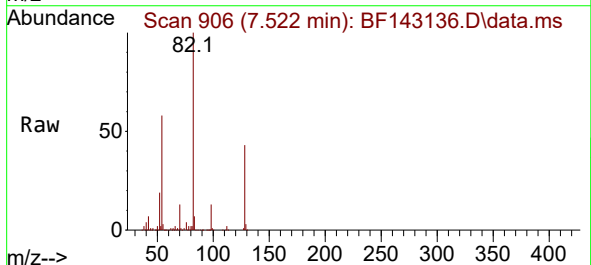
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

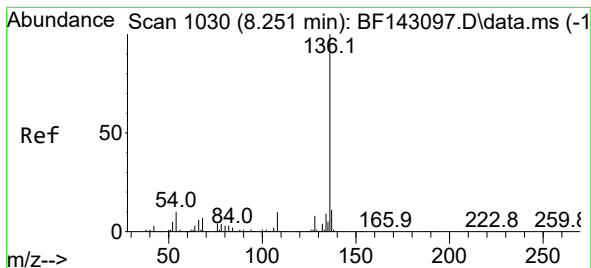
Tgt Ion: 99 Resp: 799908
Ion Ratio Lower Upper
99 100
42 21.2 17.2 25.8
71 34.6 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.590 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion: 70 Resp: 66628
Ion Ratio Lower Upper
70 100
42 54.2 53.2 79.8
101 0.0 7.5 11.3#
130 2.0 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF143136.D

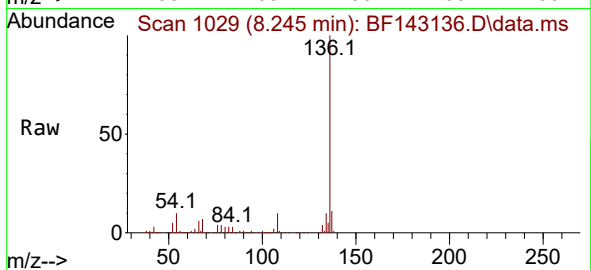
Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925



Tgt Ion:136 Resp: 490921

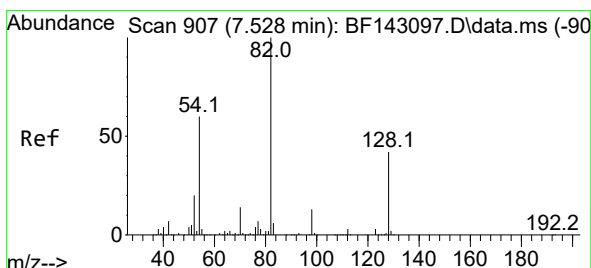
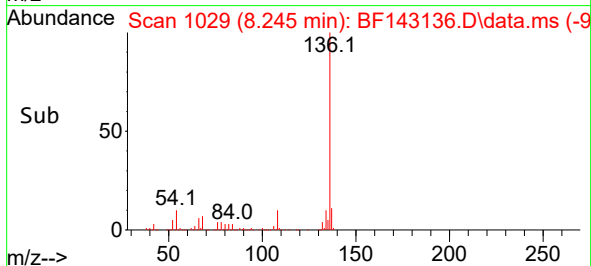
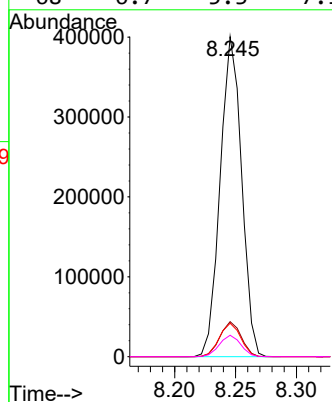
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 10.5 8.3 12.5

68 6.7 5.3 7.9



#23

Nitrobenzene-d5

Concen: 56.512 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

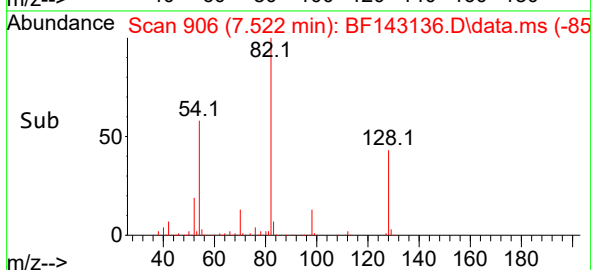
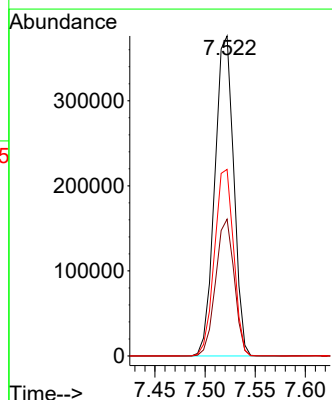
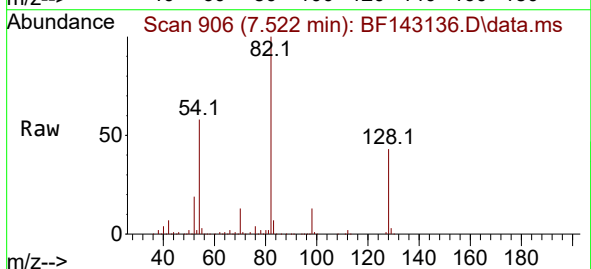
Tgt Ion: 82 Resp: 494539

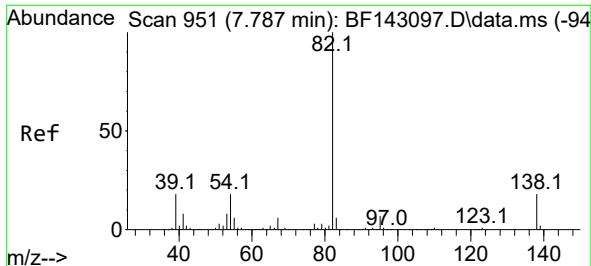
Ion Ratio Lower Upper

82 100

128 42.8 33.3 49.9

54 58.3 47.4 71.2

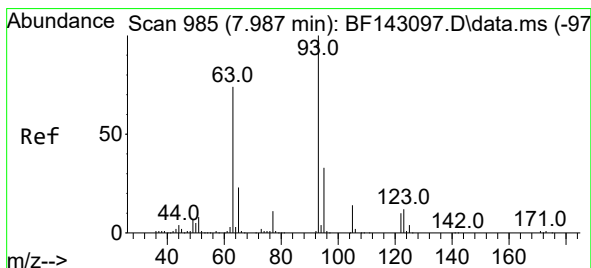
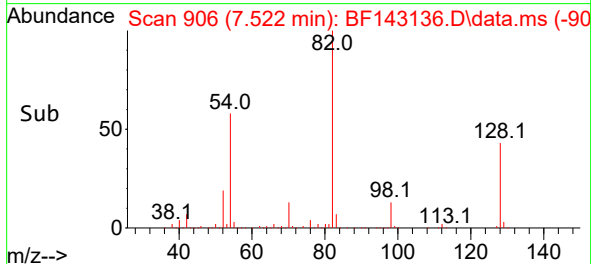
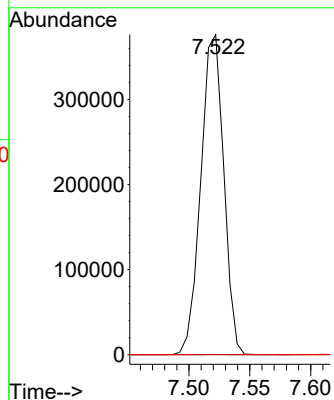
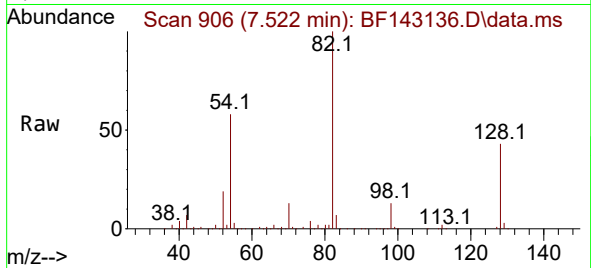




#25
Isophorone
Concen: 29.167 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

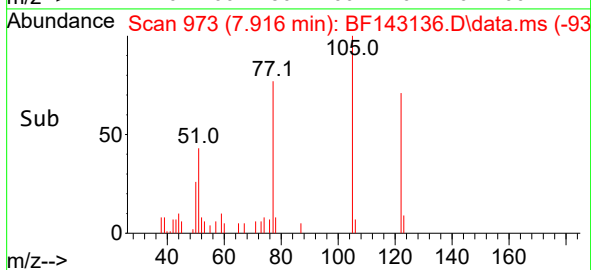
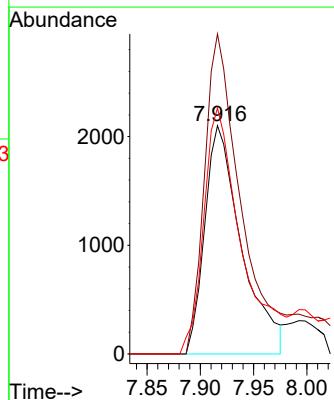
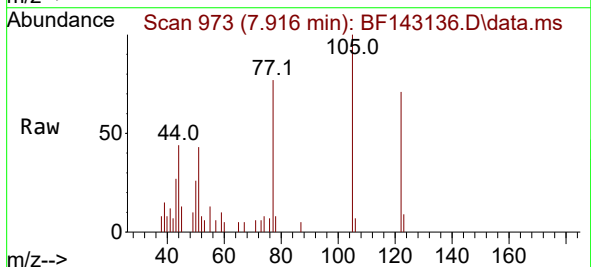
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

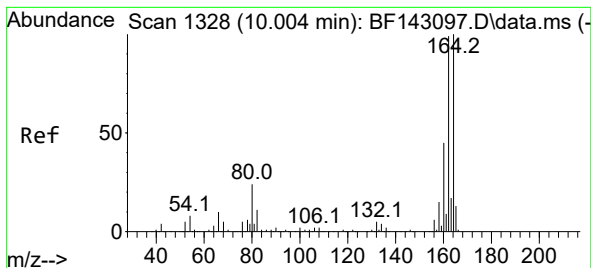
Tgt Ion: 82 Resp: 493343
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#32
Benzoic acid
Concen: 7.631 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.071 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:122 Resp: 5024
Ion Ratio Lower Upper
122 100
105 140.1 105.4 145.4
77 107.7 78.6 118.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

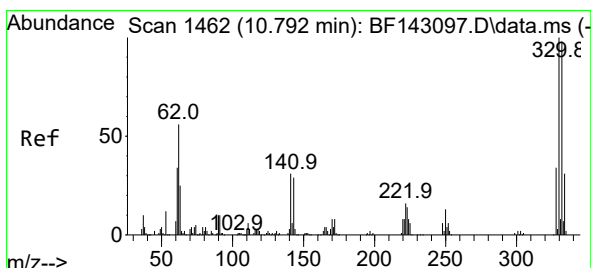
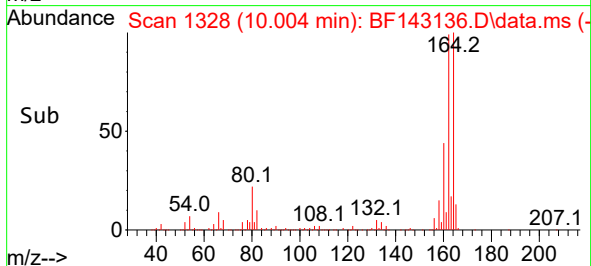
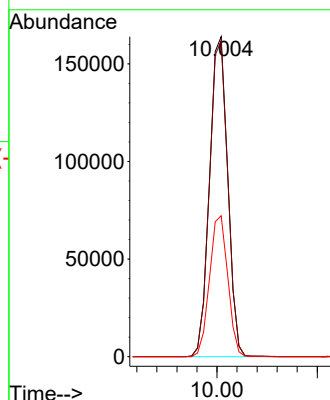
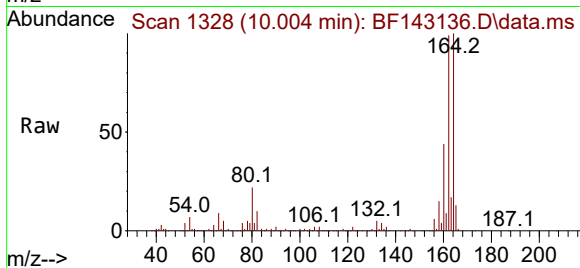
Tgt Ion:164 Resp: 206095

Ion Ratio Lower Upper

164 100

162 98.8 79.0 118.6

160 44.0 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 66.228 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

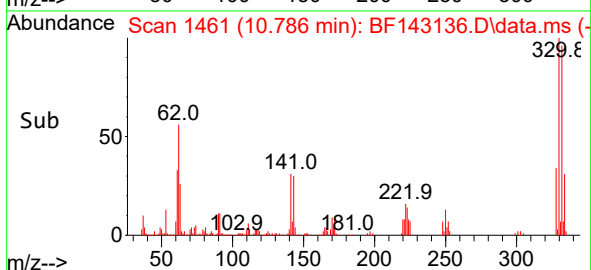
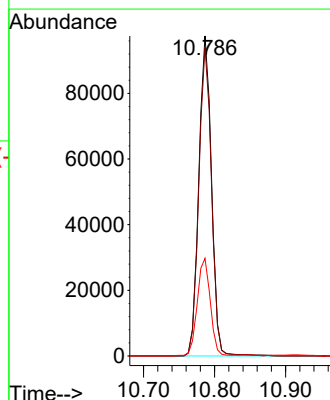
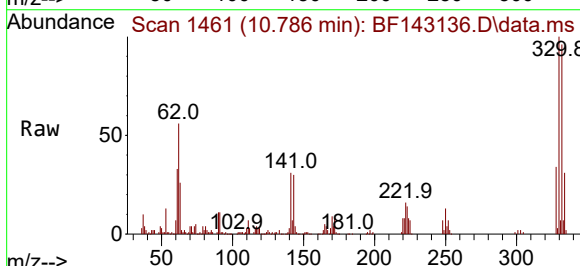
Tgt Ion:330 Resp: 121703

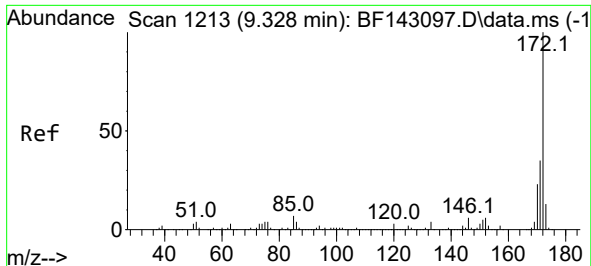
Ion Ratio Lower Upper

330 100

332 96.1 77.9 116.9

141 31.4 25.9 38.9





#45

2-Fluorobiphenyl

Concen: 49.653 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143136.D

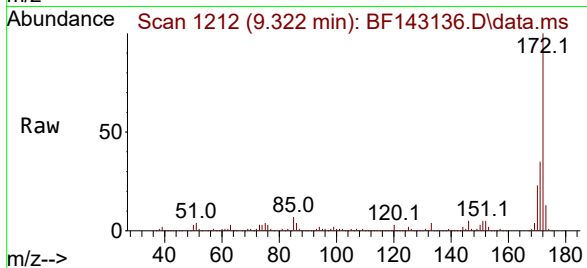
Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925



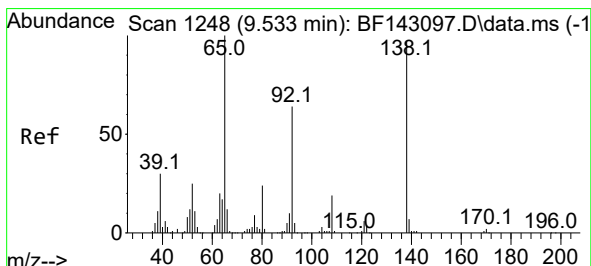
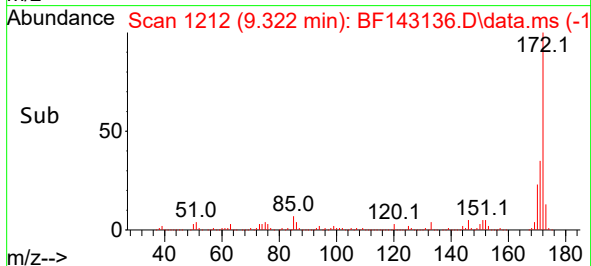
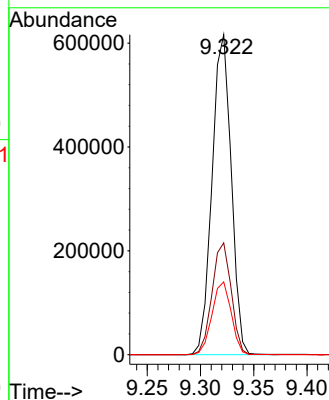
Tgt Ion:172 Resp: 769826

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.7 18.6 28.0



#48

2-Nitroaniline

Concen: 3.240 ng

RT: 9.545 min Scan# 1250

Delta R.T. 0.012 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

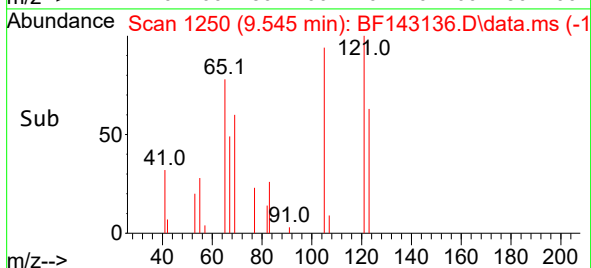
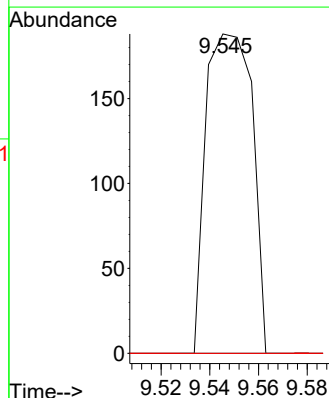
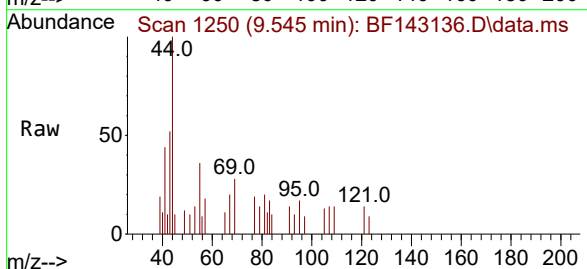
Tgt Ion: 65 Resp: 248

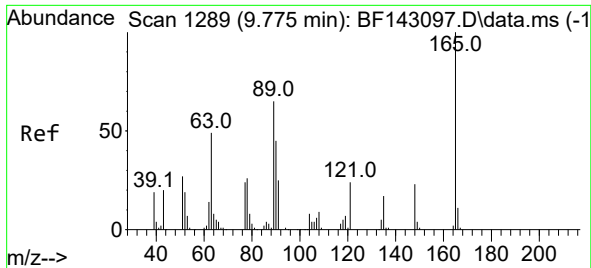
Ion Ratio Lower Upper

65 100

92 0.0 51.3 76.9#

138 0.0 77.8 116.6#

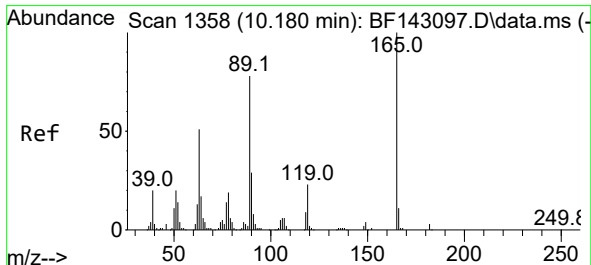
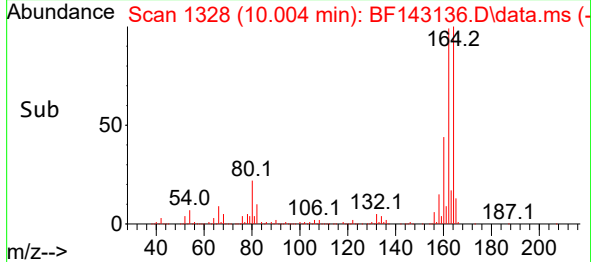
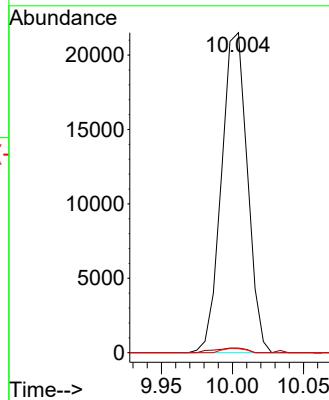
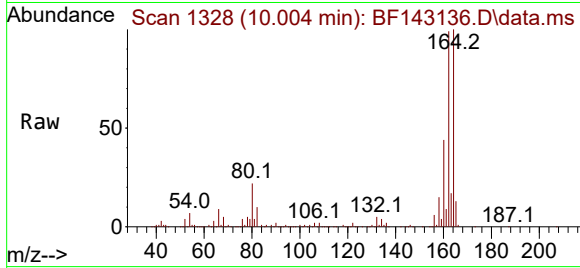




#51
2,6-Dinitrotoluene
Concen: 12.839 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.229 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

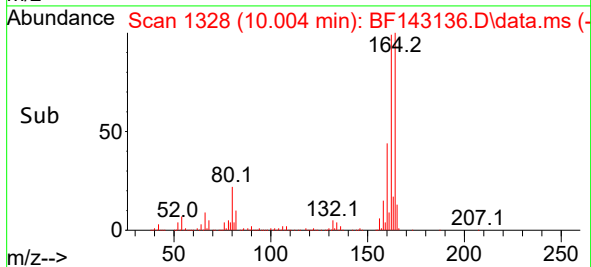
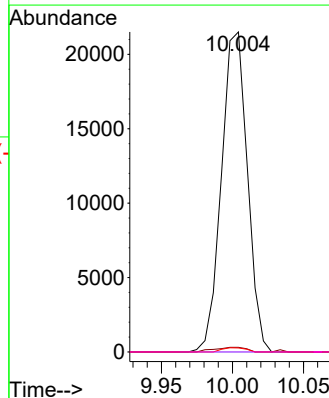
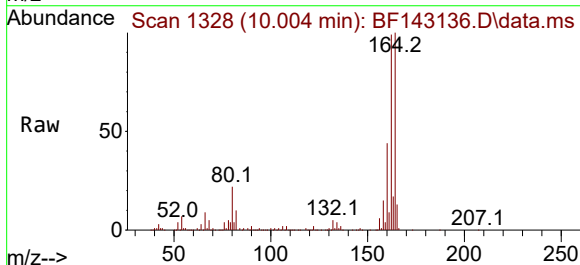
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

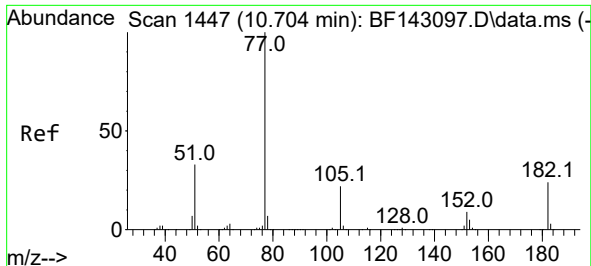
Tgt Ion:165 Resp: 27322
Ion Ratio Lower Upper
165 100
63 1.5 57.4 86.0#
89 1.3 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 11.334 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.176 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:165 Resp: 27322
Ion Ratio Lower Upper
165 100
63 1.5 40.6 61.0#
89 1.3 62.3 93.5#
182 0.0 2.6 3.8#

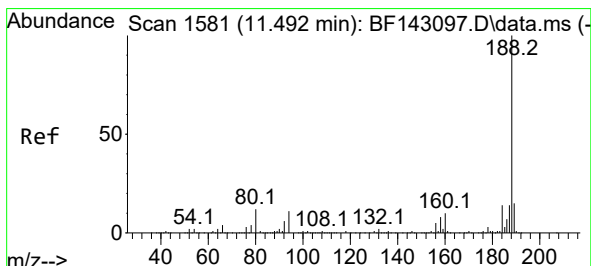
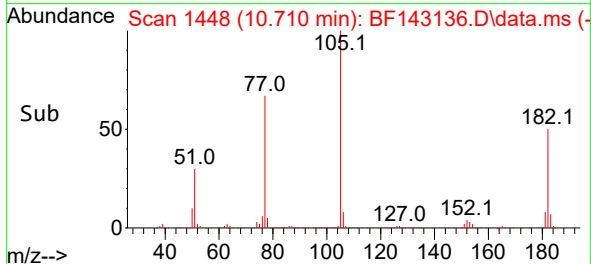
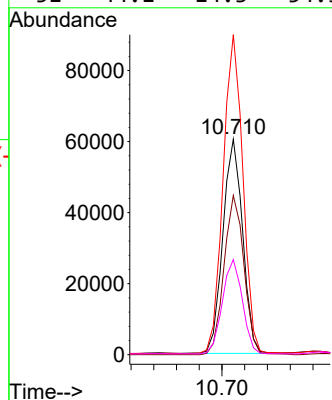
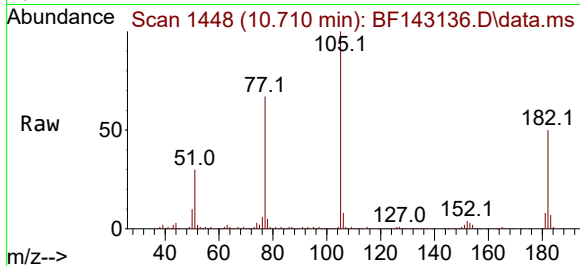




#63
Azobenzene
Concen: 5.261 ng
RT: 10.710 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

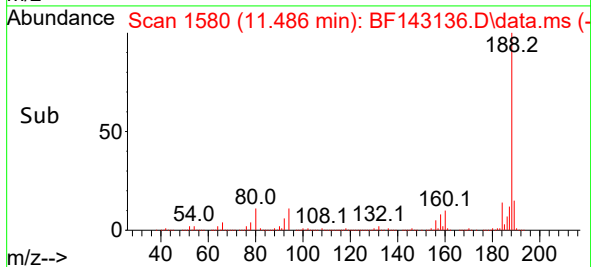
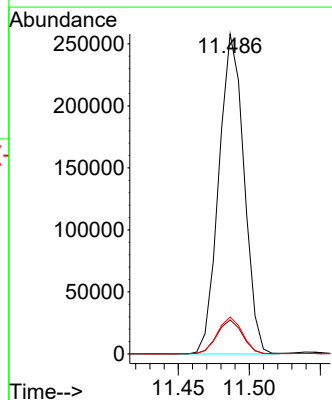
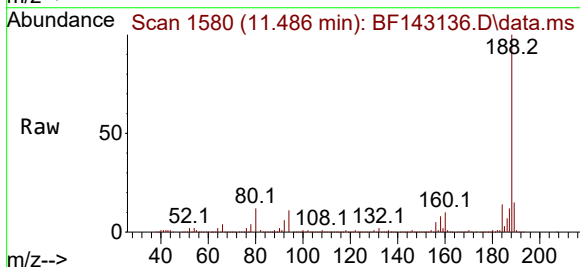
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

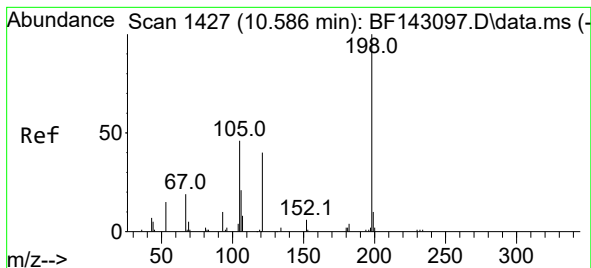
Tgt Ion: 77 Resp: 72784
Ion Ratio Lower Upper
77 100
182 73.9 4.0 44.0#
105 148.5 1.4 41.4#
51 44.1 14.3 54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion: 188 Resp: 317891
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 11.5 9.3 13.9

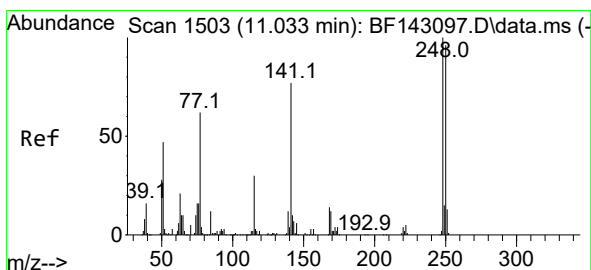
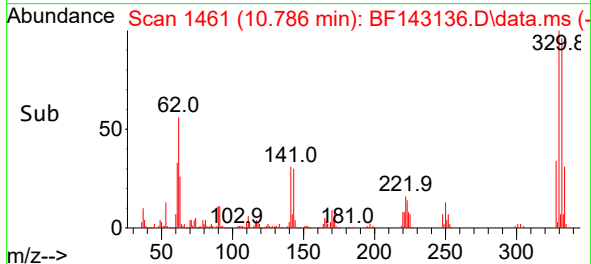
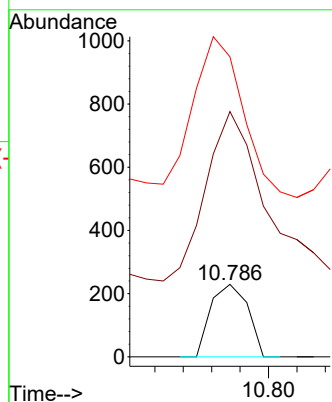
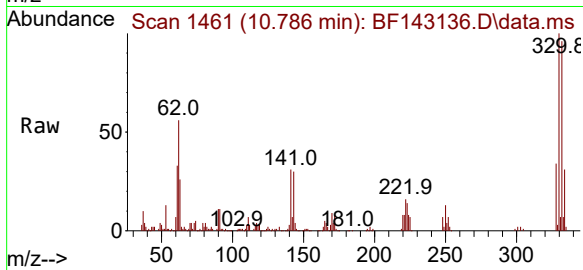




#65
4,6-Dinitro-2-methylphenol
Concen: 5.642 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

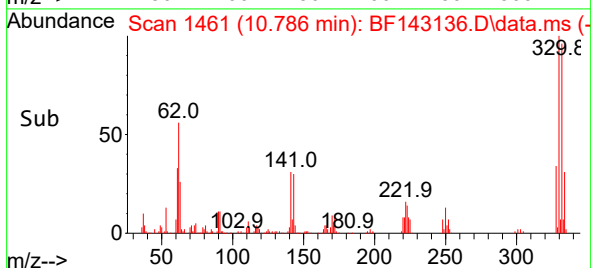
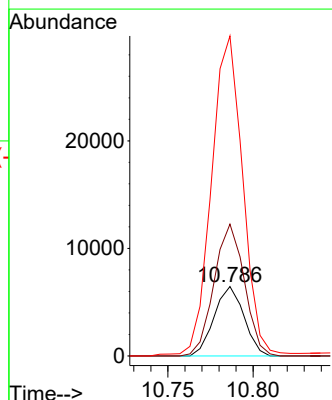
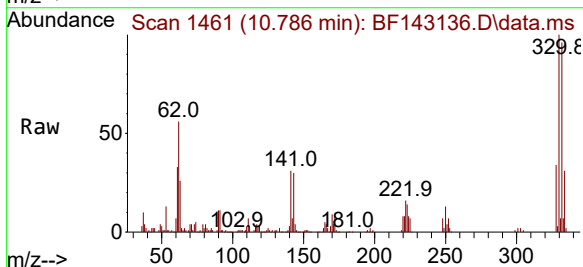
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

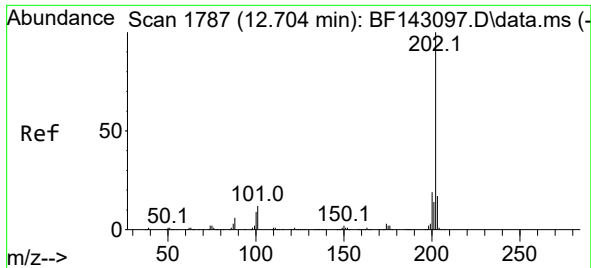
Tgt Ion:198 Resp: 207
Ion Ratio Lower Upper
198 100
51 338.9 44.6 84.6#
105 414.4 29.3 69.3#



#67
4-Bromophenyl-phenylether
Concen: 2.171 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:248 Resp: 7847
Ion Ratio Lower Upper
248 100
250 189.8 76.7 115.1#
141 460.5 61.7 92.5#

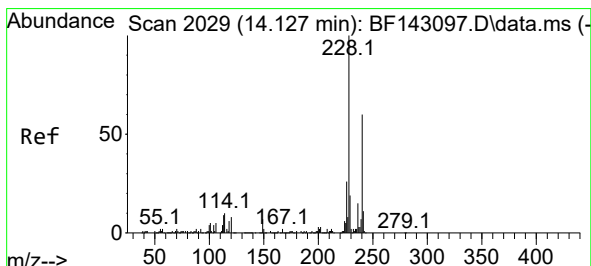
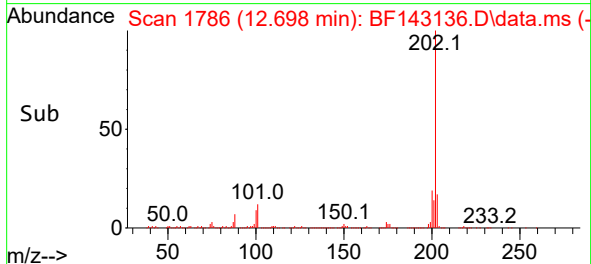
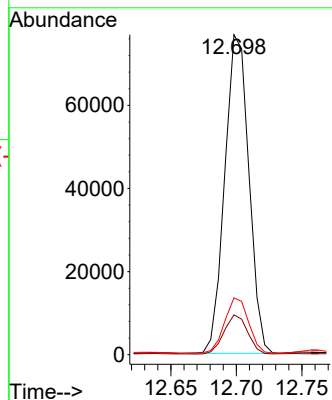
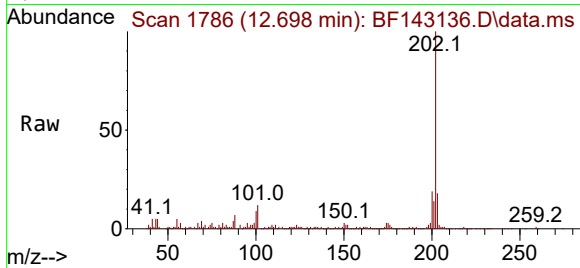




#75
Fluoranthene
Concen: 6.292 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

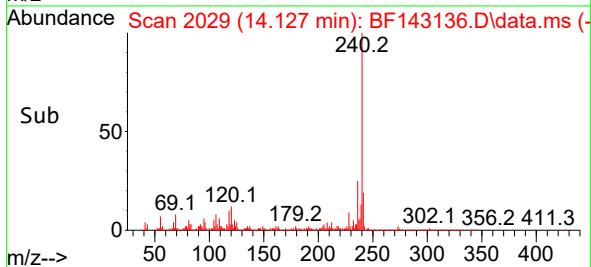
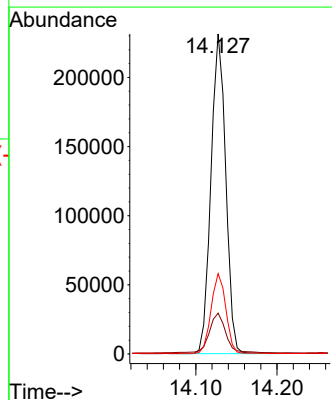
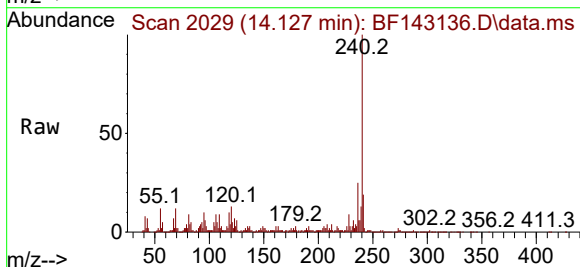
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

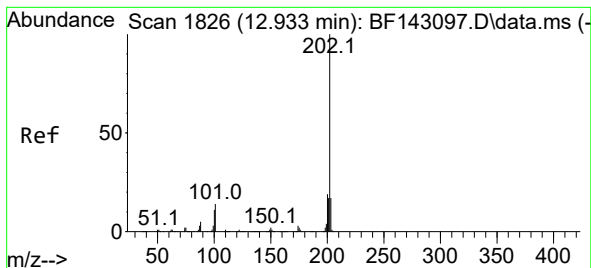
Tgt Ion:	202	Resp:	98156
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	32.4
203	17.7	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:	240	Resp:	291247
Ion Ratio	Lower	Upper	
240	100		
120	12.7	10.0	15.0
236	25.1	20.0	30.0





#78

Pyrene

Concen: 3.318 ng

RT: 12.928 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

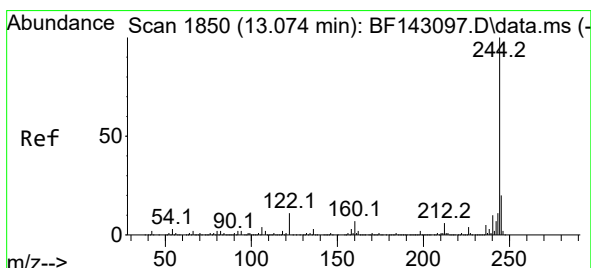
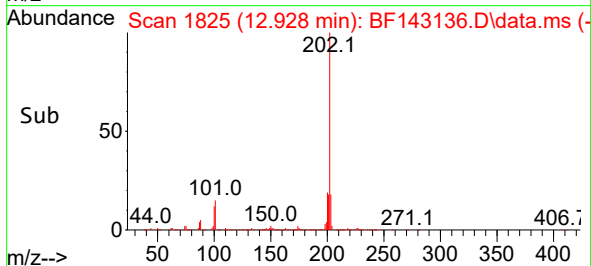
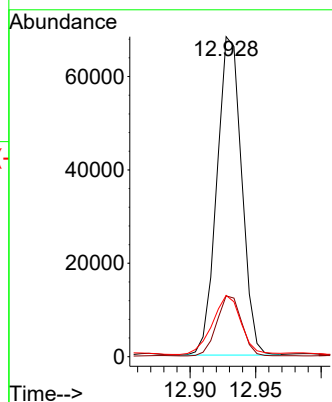
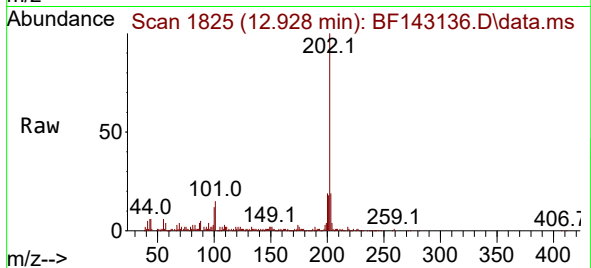
Tgt Ion:202 Resp: 89660

Ion Ratio Lower Upper

202 100

200 19.0 15.5 23.3

203 19.2 14.0 21.0



#79

Terphenyl-d14

Concen: 32.774 ng

RT: 13.075 min Scan# 1850

Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

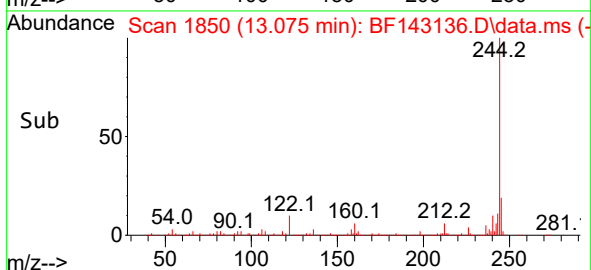
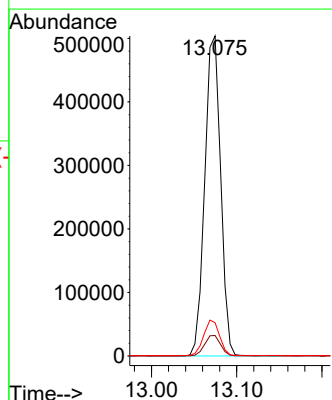
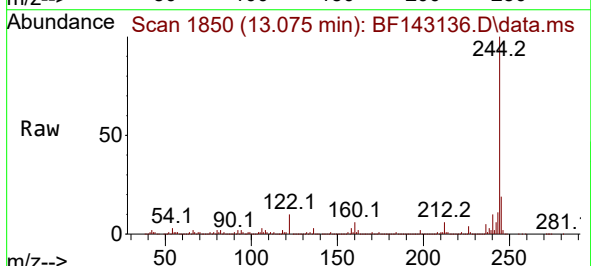
Tgt Ion:244 Resp: 652972

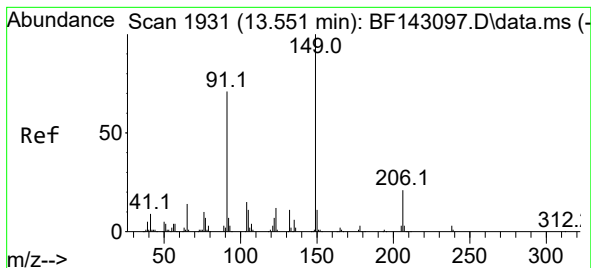
Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.4 8.8 13.2





#80

Butylbenzylphthalate

Concen: 3.639 ng

RT: 13.545 min Scan# 1931

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

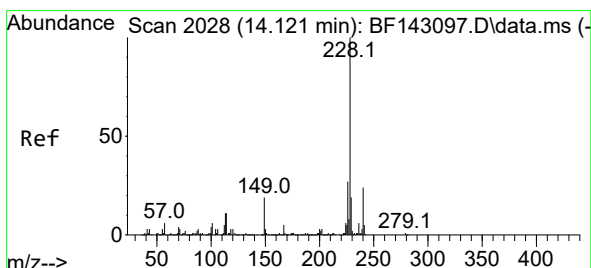
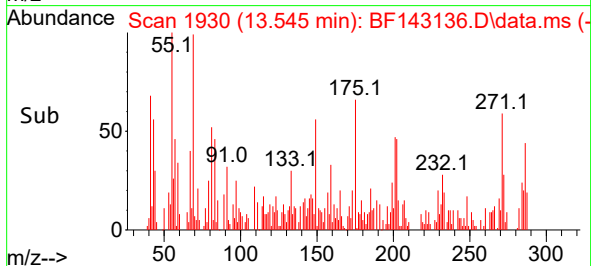
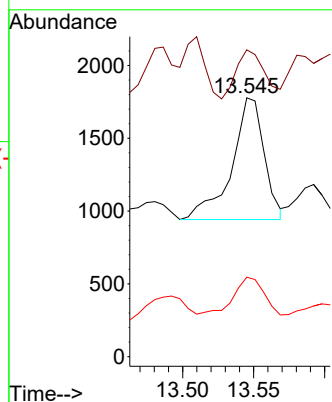
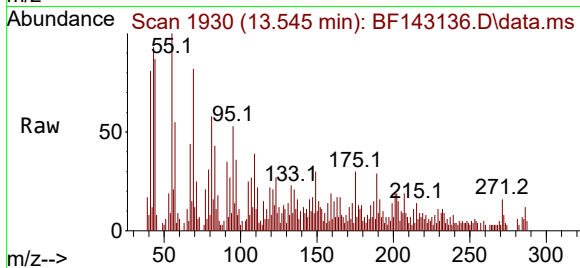
Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

Tgt Ion:	149	Resp:	1329
Ion	Ratio	Lower	Upper
149	100		
91	118.6	57.0	85.4#
206	30.7	17.2	25.8#



#81

Benzo(a)anthracene

Concen: 2.506 ng

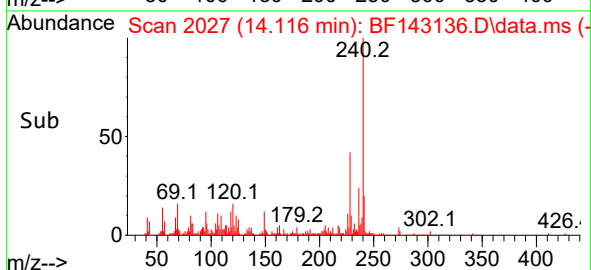
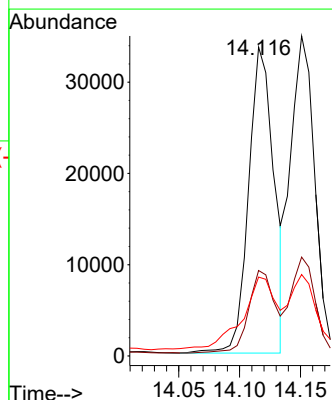
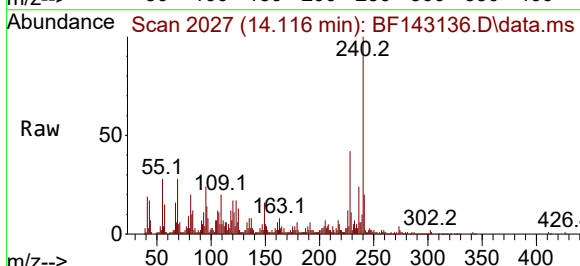
RT: 14.116 min Scan# 2027

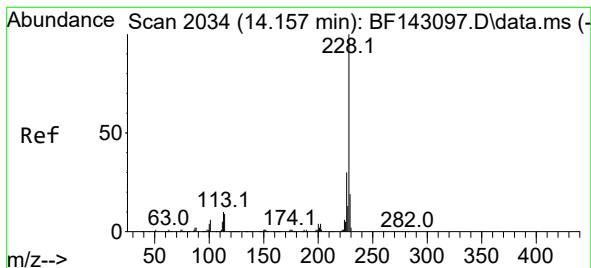
Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Tgt Ion:	228	Resp:	48640
Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.3	31.9
229	25.5	15.5	23.3#





#83

Chrysene

Concen: 2.671 ng

RT: 14.151 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

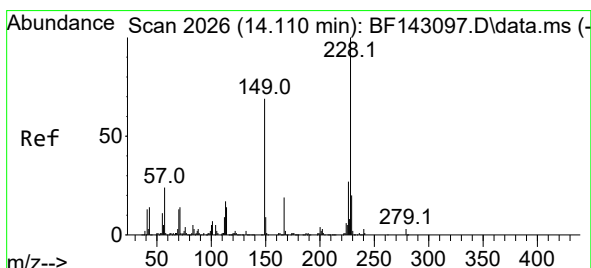
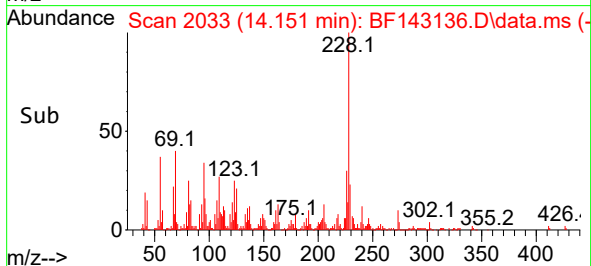
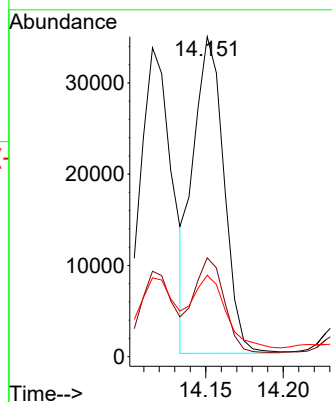
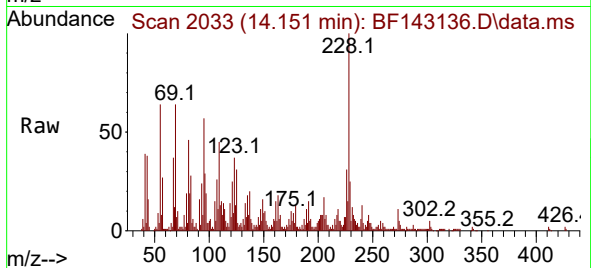
Tgt Ion:228 Resp: 47737

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

229 25.5 15.3 22.9#



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.020 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

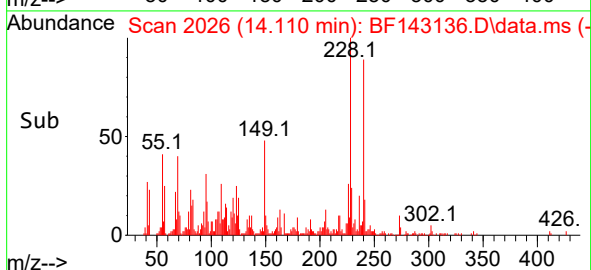
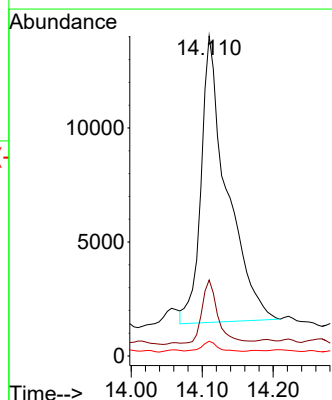
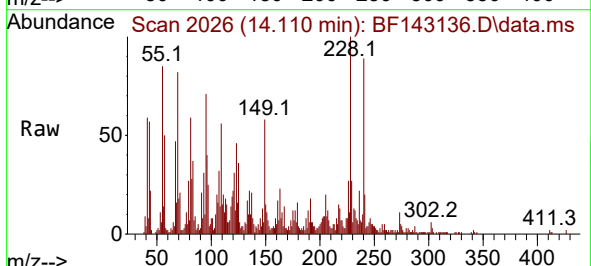
Tgt Ion:149 Resp: 31813

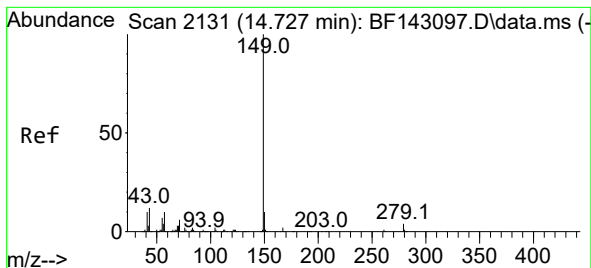
Ion Ratio Lower Upper

149 100

167 23.8 21.9 32.9

279 4.6 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 6.705 ng

RT: 14.727 min Scan# 2131

Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

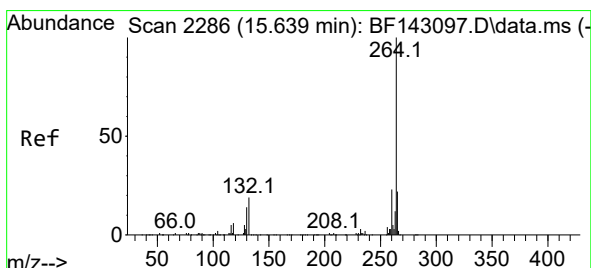
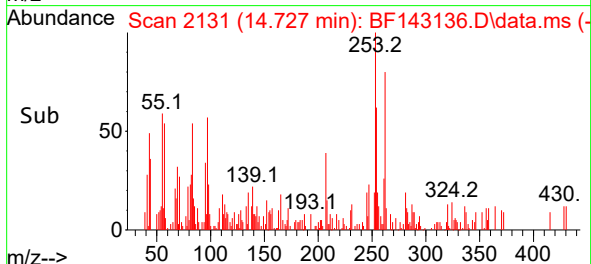
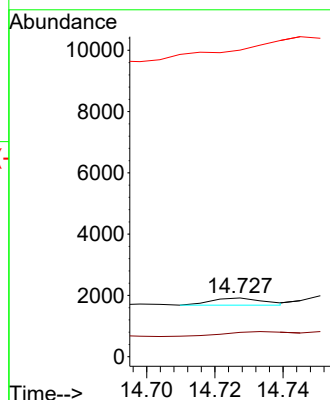
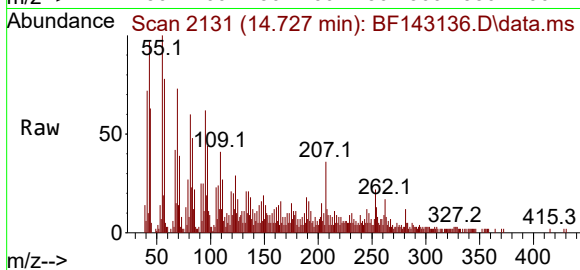
Tgt Ion:149 Resp: 255

Ion Ratio Lower Upper

149 100

167 91.8 1.2 1.8#

43 0.0 10.6 16.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 2286

Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

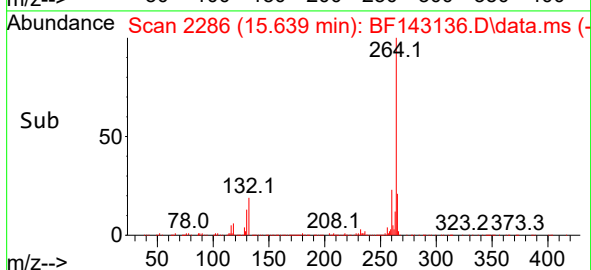
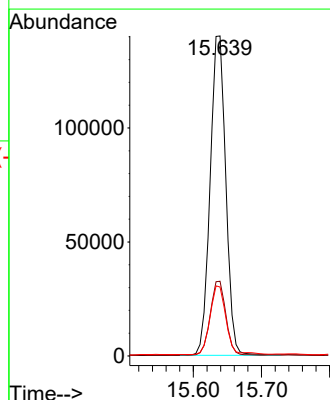
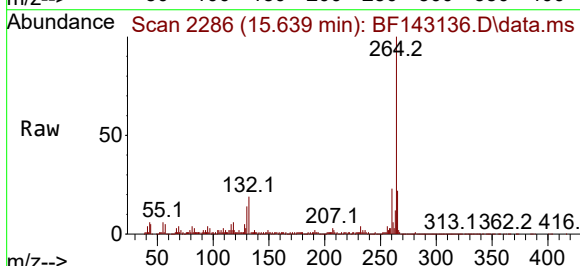
Tgt Ion:264 Resp: 224121

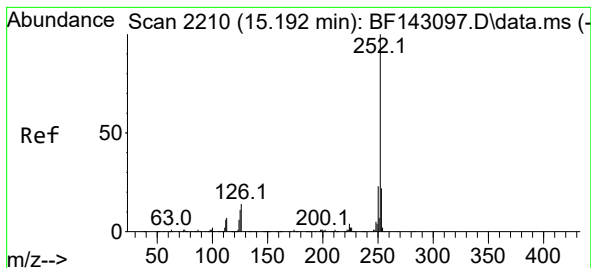
Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 21.5 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 5.235 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

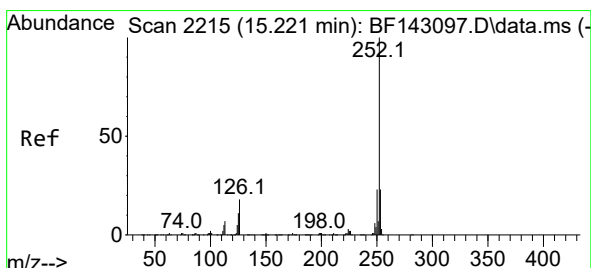
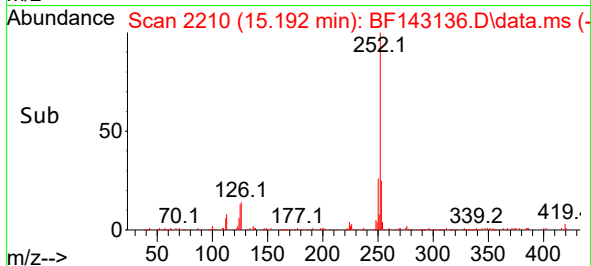
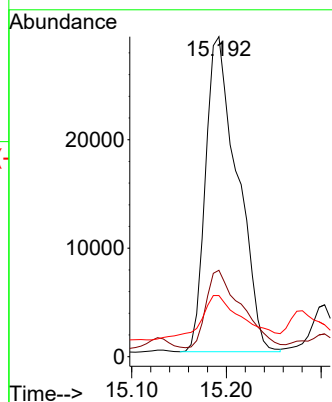
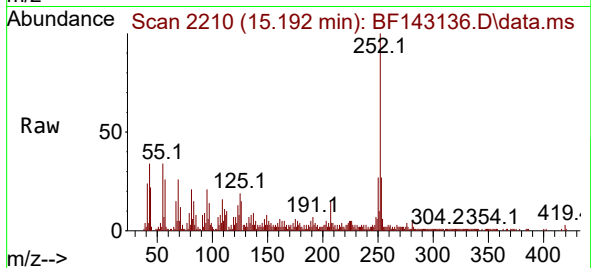
Tgt Ion:252 Resp: 67679

Ion Ratio Lower Upper

252 100

253 27.0 17.5 26.3#

125 19.1 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 5.488 ng

RT: 15.192 min Scan# 2210

Delta R.T. -0.029 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

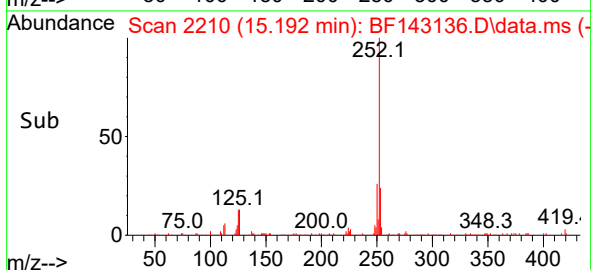
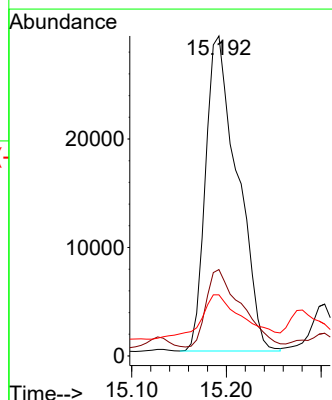
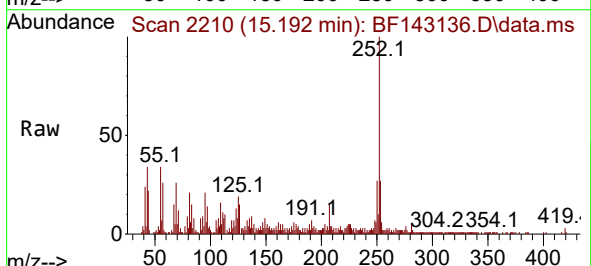
Tgt Ion:252 Resp: 67679

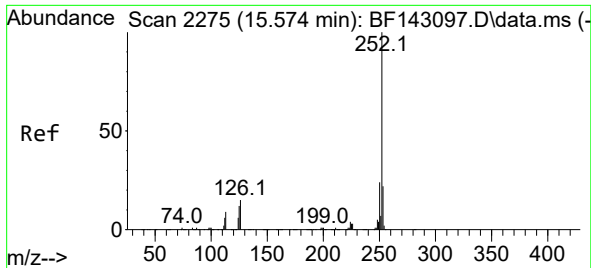
Ion Ratio Lower Upper

252 100

253 27.0 17.4 26.2#

125 19.1 8.5 12.7#





#90

Benzo(a)pyrene

Concen: 2.566 ng

RT: 15.569 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143136.D

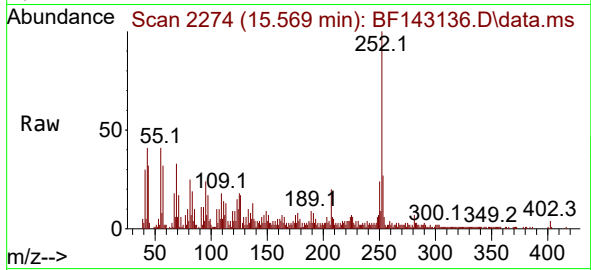
Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925



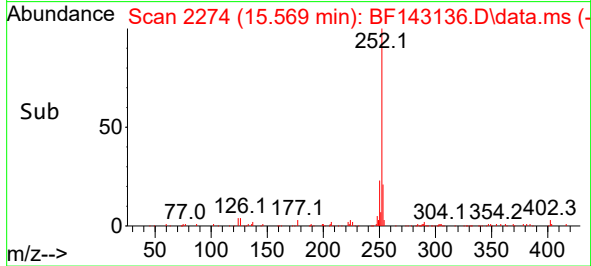
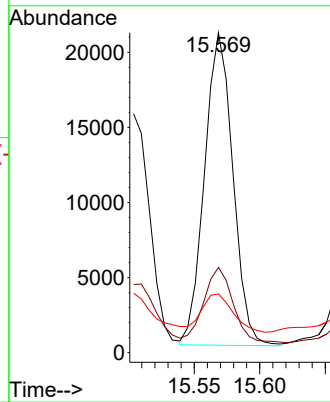
Tgt Ion:252 Resp: 31369

Ion Ratio Lower Upper

252 100

253 26.7 17.5 26.3#

125 18.4 9.4 14.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143141.D
 Acq On : 17 Jul 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jul 17 15:01:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	129942	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	504796	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	263409	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	432329	20.000	ng	0.00
76) Chrysene-d12	14.116	240	253004	20.000	ng	0.00
86) Perylene-d12	15.615	264	255898	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	89958	10.955	ng	0.00
7) Phenol-d6	6.569	99	112575	10.892	ng	-0.02
23) Nitrobenzene-d5	7.510	82	106670	10.533	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	26288	9.661	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	231962	12.043	ng	-0.01
79) Terphenyl-d14	13.063	244	198167	11.656	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.816	88	20208	5.201	ng	97
3) Pyridine	3.587	79	52981	5.254	ng	99
4) n-Nitrosodimethylamine	3.504	42	26949	5.176	ng	# 99
6) Aniline	6.616	93	75811	5.263	ng	99
8) 2-Chlorophenol	6.740	128	45203	5.252	ng	98
9) Benzaldehyde	6.504	77	41029	5.294	ng	97
10) Phenol	6.581	94	61148	5.431	ng	99
11) bis(2-Chloroethyl)ether	6.687	93	46083	5.345	ng	98
12) 1,3-Dichlorobenzene	6.904	146	51056	5.460	ng	98
13) 1,4-Dichlorobenzene	6.981	146	52031	5.526	ng	100
14) 1,2-Dichlorobenzene	7.134	146	49028	5.474	ng	98
15) Benzyl Alcohol	7.087	79	40295	5.106	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	86727	5.423	ng	100
17) 2-Methylphenol	7.192	107	38278	5.289	ng	97
18) Hexachloroethane	7.481	117	16944	5.198	ng	97
19) n-Nitroso-di-n-propyla...	7.357	70	36103	5.445	ng	98
20) 3+4-Methylphenols	7.345	107	50606	5.763	ng	95
22) Acetophenone	7.357	105	66559	5.569	ng	# 98
24) Nitrobenzene	7.528	77	47902	5.074	ng	96
25) Isophorone	7.769	82	94372	5.279	ng	99
26) 2-Nitrophenol	7.851	139	16827	4.107	ng	98
27) 2,4-Dimethylphenol	7.881	122	44954	5.382	ng	100
28) bis(2-Chloroethoxy)met...	7.981	93	58465	5.455	ng	99
29) 2,4-Dichlorophenol	8.087	162	36884	5.236	ng	97
30) 1,2,4-Trichlorobenzene	8.181	180	41552	5.460	ng	99
31) Naphthalene	8.263	128	141099	5.676	ng	99
32) Benzoic acid	7.881	122	44954	13.661	ng	# 13
33) 4-Chloroaniline	8.304	127	55130	5.431	ng	98
34) Hexachlorobutadiene	8.386	225	24322	5.232	ng	100
35) Caprolactam	8.622	113	9647	4.532	ng	98
36) 4-Chloro-3-methylphenol	8.769	107	40203	5.251	ng	98
37) 2-Methylnaphthalene	8.951	142	84234	5.568	ng	98
38) 1-Methylnaphthalene	9.051	142	86130	5.529	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	41999	5.523	ng	100
41) Hexachlorocyclopentadiene	9.110	237	20668	4.177	ng	99
43) 2,4,6-Trichlorophenol	9.222	196	25730	4.889	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143141.D
 Acq On : 17 Jul 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

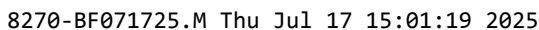
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

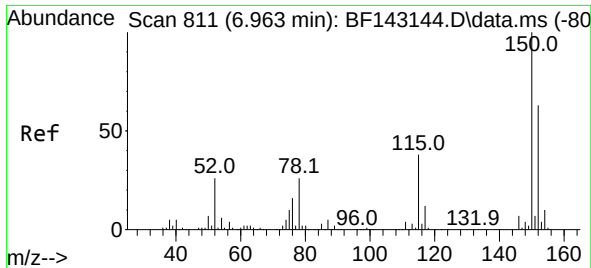
Quant Time: Jul 17 15:01:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.257	196	26626	5.057	ng	98
46) 1,1'-Biphenyl	9.416	154	115130	5.602	ng	100
47) 2-Chloronaphthalene	9.439	162	83495	5.491	ng	98
48) 2-Nitroaniline	9.522	65	20076	4.210	ng	95
49) Acenaphthylene	9.857	152	140525	5.514	ng	98
50) Dimethylphthalate	9.704	163	93611	5.452	ng	99
51) 2,6-Dinitrotoluene	9.763	165	14787	4.234	ng	90
52) Acenaphthene	10.028	154	84160	5.588	ng	99
53) 3-Nitroaniline	9.928	138	18738	4.587	ng	94
54) 2,4-Dinitrophenol	10.033	184	2389	8.047	ng	# 1
55) Dibenzofuran	10.198	168	127035	5.681	ng	97
56) 4-Nitrophenol	10.075	139	11894	3.899	ng	99
57) 2,4-Dinitrotoluene	10.163	165	17709	4.041	ng	92
58) Fluorene	10.539	166	97477	5.808	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	21108	4.840	ng	# 97
60) Diethylphthalate	10.404	149	90651	5.342	ng	99
61) 4-Chlorophenyl-phenyle...	10.533	204	46747	5.594	ng	98
62) 4-Nitroaniline	10.533	138	15568	4.446	ng	96
63) Azobenzene	10.692	77	95602	5.405	ng	99
65) 4,6-Dinitro-2-methylph...	10.569	198	4692	7.249	ng	90
66) n-Nitrosodiphenylamine	10.645	169	82281	5.405	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	27259	5.291	ng	97
68) Hexachlorobenzene	11.092	284	29052	5.395	ng	98
69) Atrazine	11.169	200	19865	4.733	ng	99
70) Pentachlorophenol	11.280	266	11294	3.566	ng	98
71) Phenanthrene	11.504	178	128762	5.609	ng	100
72) Anthracene	11.557	178	127938	5.465	ng	98
73) Carbazole	11.704	167	112588	5.507	ng	99
74) Di-n-butylphthalate	12.039	149	116291	5.027	ng	99
75) Fluoranthene	12.692	202	117249	5.565	ng	99
77) Benzidine	12.804	184	47236	4.846	ng	98
78) Pyrene	12.922	202	120767	5.593	ng	98
80) Butylbenzylphthalate	13.533	149	27699	4.189	ng	97
81) Benzo(a)anthracene	14.104	228	86920	5.131	ng	98
82) 3,3'-Dichlorobenzidine	14.063	252	26392	4.675	ng	99
83) Chrysene	14.139	228	81091	5.325	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	43732	4.370	ng	99
85) Di-n-octyl phthalate	14.710	149	75225	4.147	ng	98
87) Indeno(1,2,3-cd)pyrene	17.139	276	91076	5.047	ng	100
88) Benzo(b)fluoranthene	15.174	252	78749	5.037	ng	99
89) Benzo(k)fluoranthene	15.204	252	74738	5.358	ng	98
90) Benzo(a)pyrene	15.551	252	72196	5.012	ng	98
91) Dibenzo(a,h)anthracene	17.162	278	74120	5.047	ng	100
92) Benzo(g,h,i)perylene	17.604	276	70403	4.955	ng	99

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

Quant Time: Jul 17 15:01:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

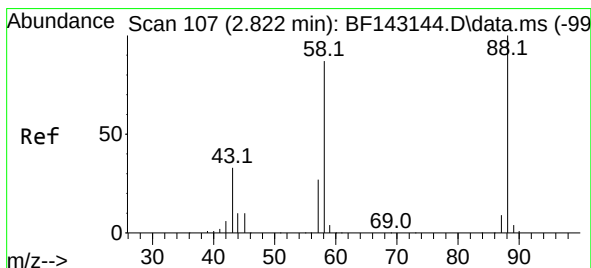
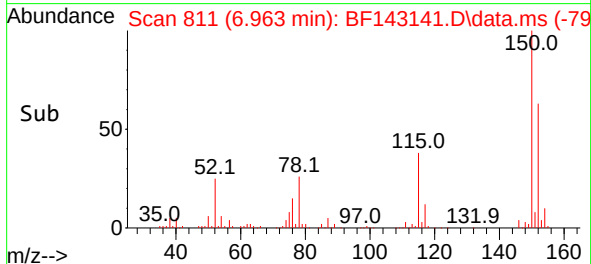
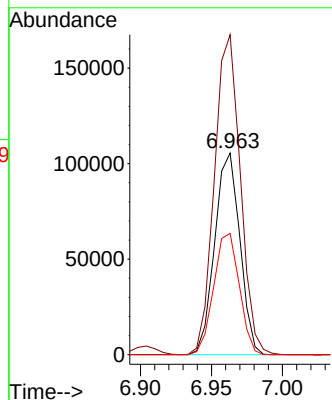
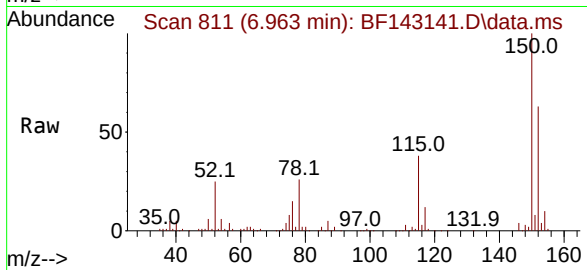




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

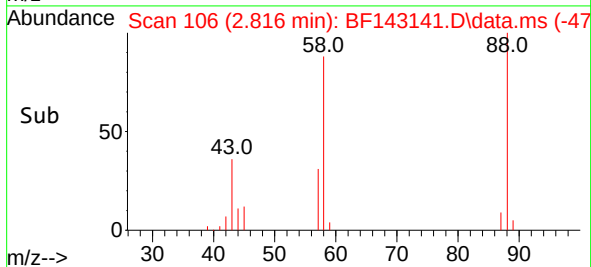
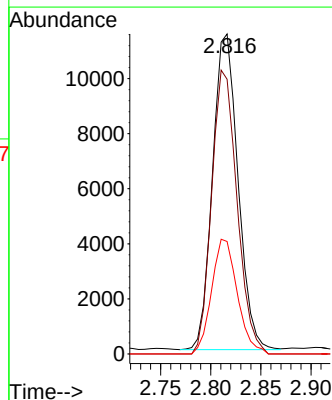
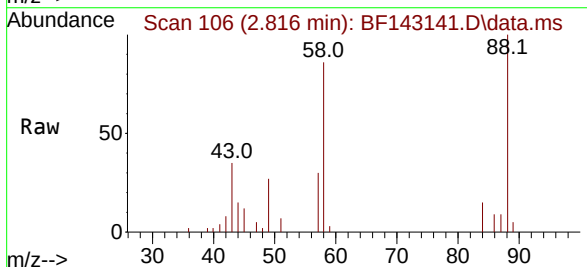
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

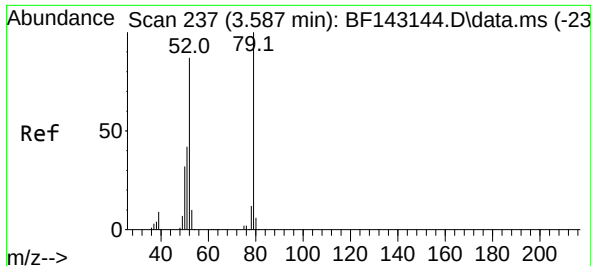
Tgt Ion:152 Resp: 129942
Ion Ratio Lower Upper
152 100
150 158.7 128.2 192.4
115 60.2 47.9 71.9



#2
1,4-Dioxane
Concen: 5.201 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 88 Resp: 20208
Ion Ratio Lower Upper
88 100
58 89.6 70.2 105.2
43 36.7 27.1 40.7





#3

Pyridine

Concen: 5.254 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

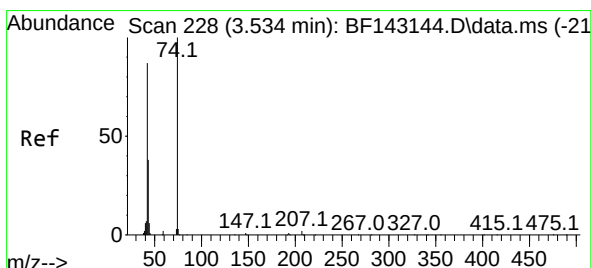
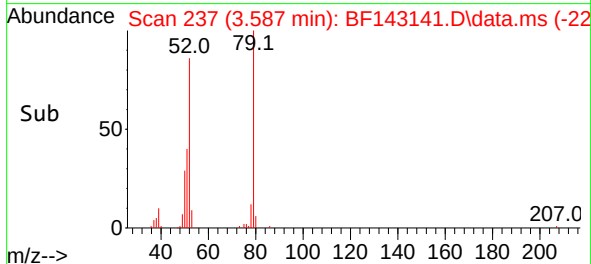
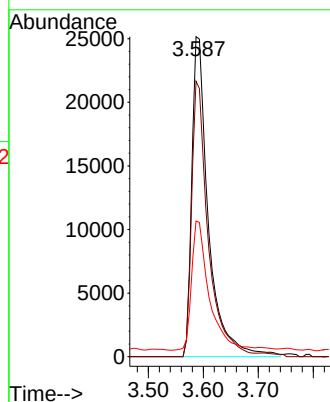
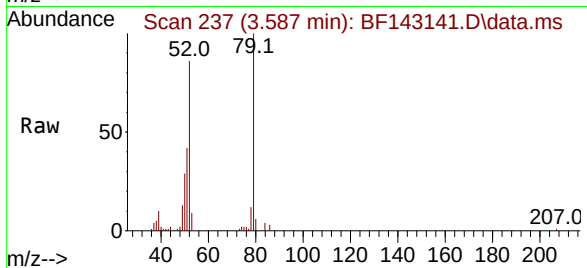
Tgt Ion: 79 Resp: 52981

Ion Ratio Lower Upper

79 100

52 86.1 69.4 104.2

51 42.4 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 5.176 ng

RT: 3.504 min Scan# 223

Delta R.T. -0.029 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

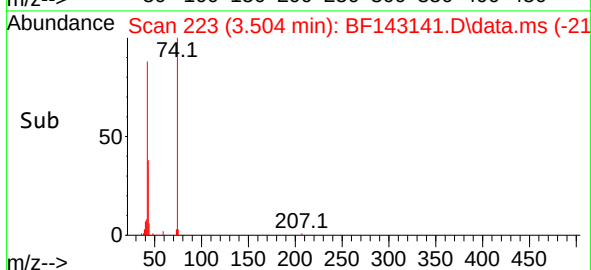
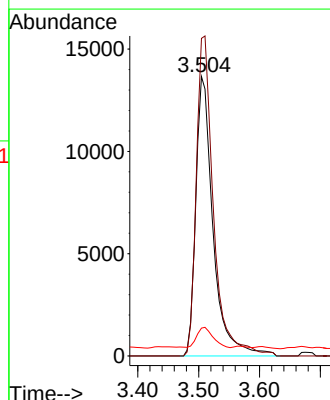
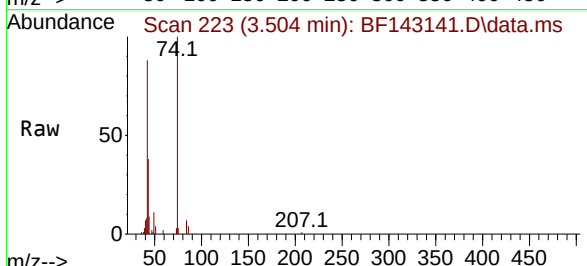
Tgt Ion: 42 Resp: 26949

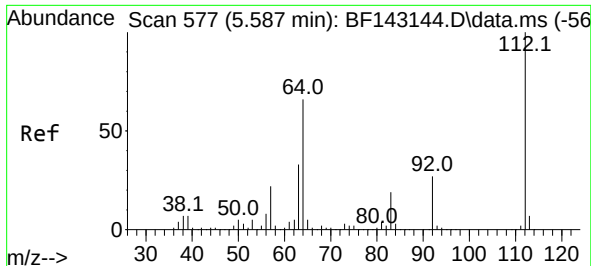
Ion Ratio Lower Upper

42 100

74 113.7 91.7 137.5

44 10.0 5.6 8.4#

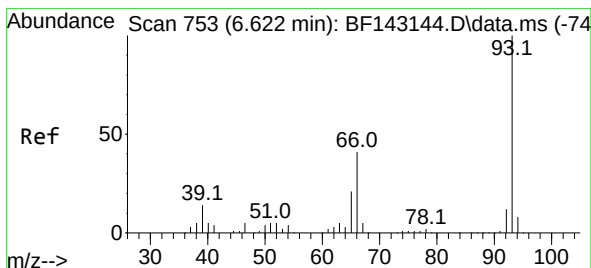
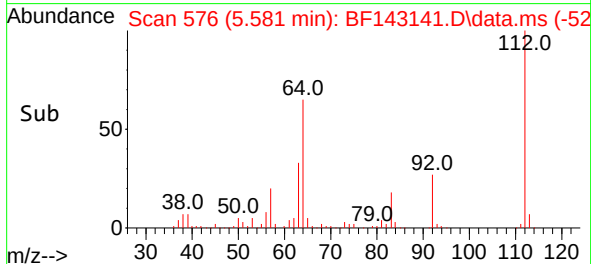
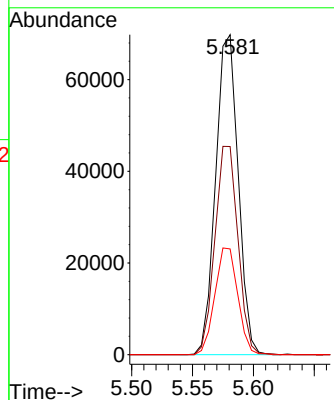
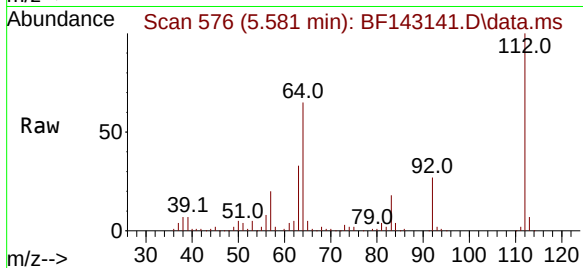




#5
2-Fluorophenol
Concen: 10.955 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

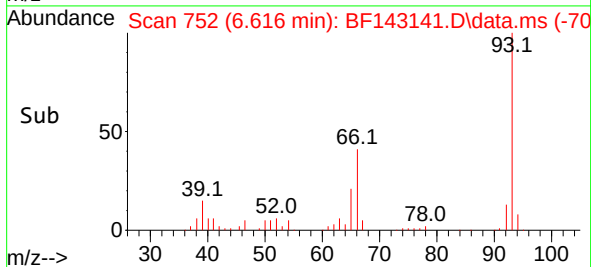
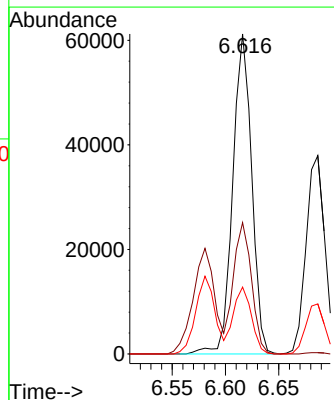
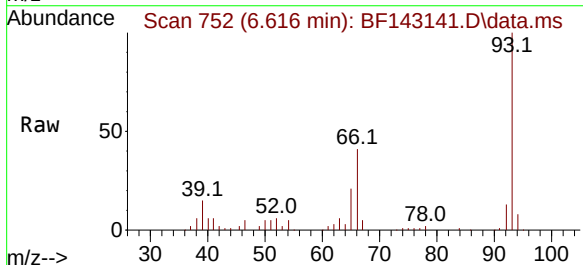
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

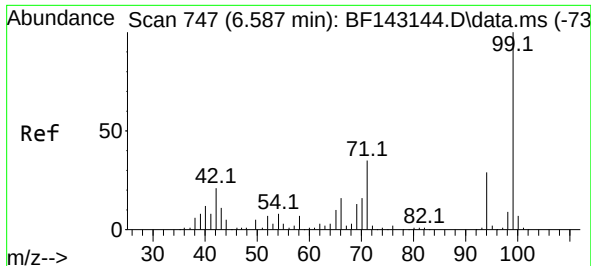
Tgt Ion:112 Resp: 89958
Ion Ratio Lower Upper
112 100
64 65.1 53.1 79.7
63 33.1 26.6 40.0



#6
Aniline
Concen: 5.263 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 93 Resp: 75811
Ion Ratio Lower Upper
93 100
66 41.0 33.2 49.8
65 20.9 16.9 25.3

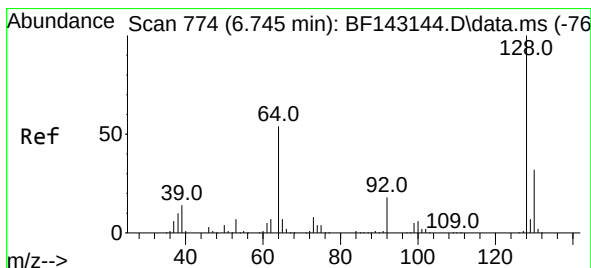
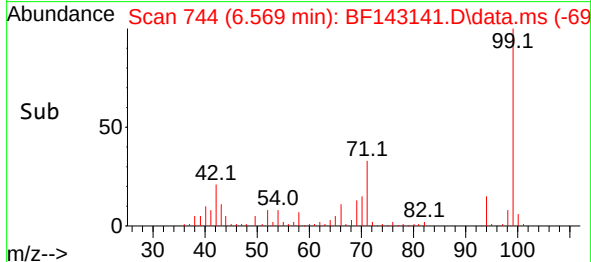
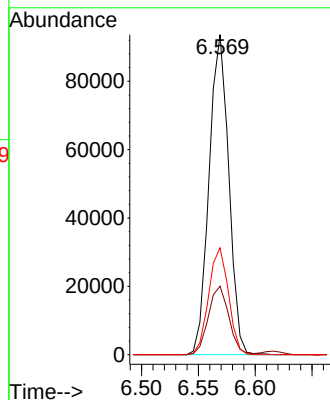
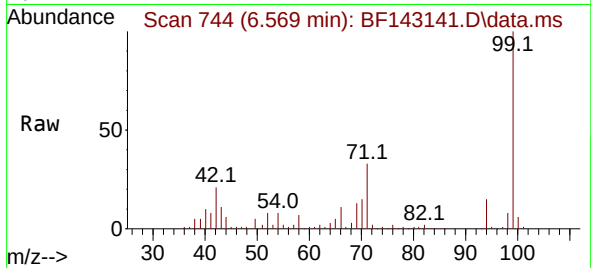




#7
Phenol-d6
Concen: 10.892 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

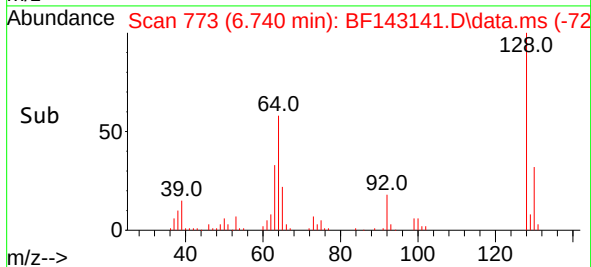
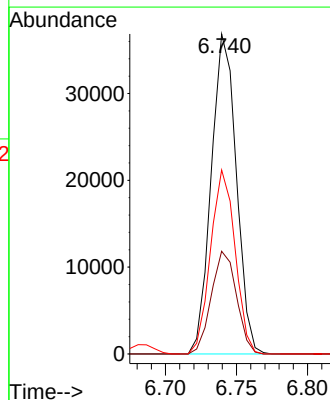
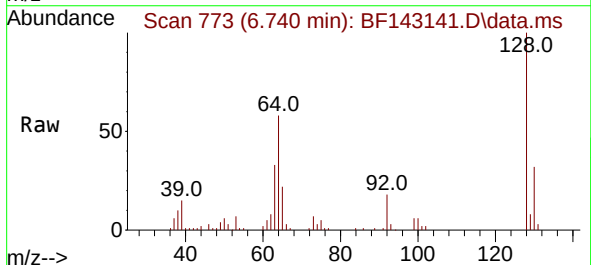
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

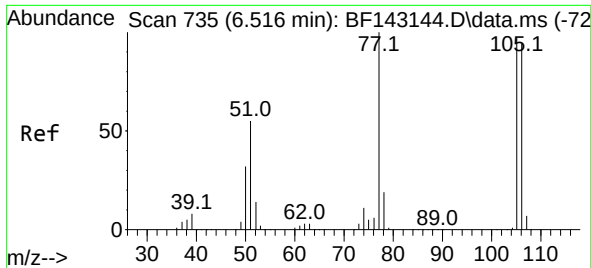
Tgt Ion: 99 Resp: 112575
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 33.4 27.7 41.5



#8
2-Chlorophenol
Concen: 5.252 ng
RT: 6.740 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 128 Resp: 45203
Ion Ratio Lower Upper
128 100
130 32.1 12.3 52.3
64 57.5 35.9 75.9

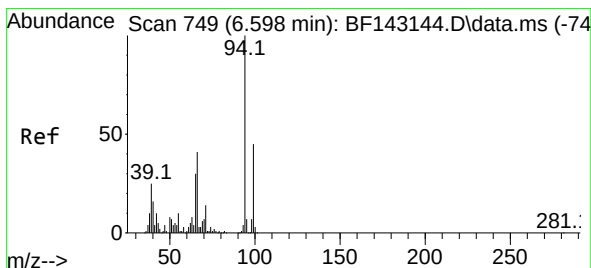
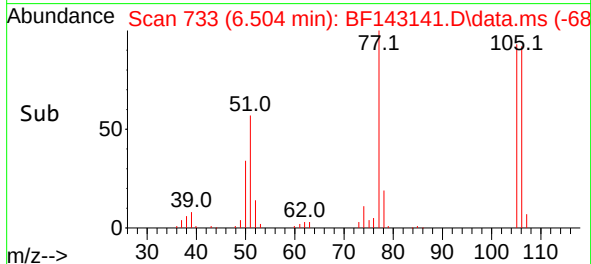
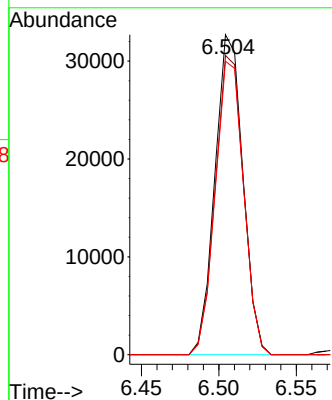
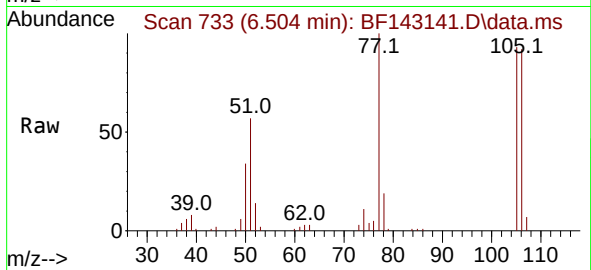




#9
Benzaldehyde
Concen: 5.294 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

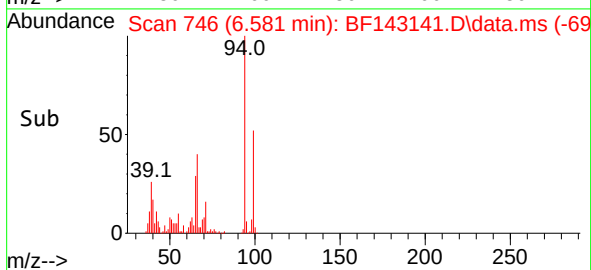
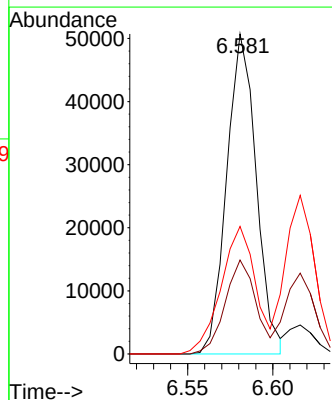
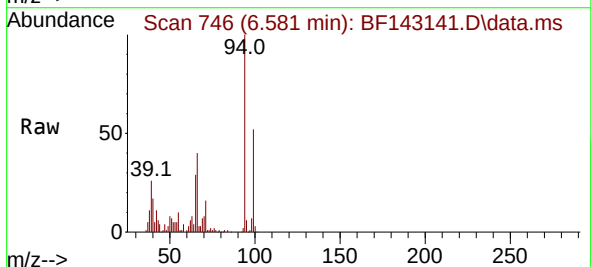
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

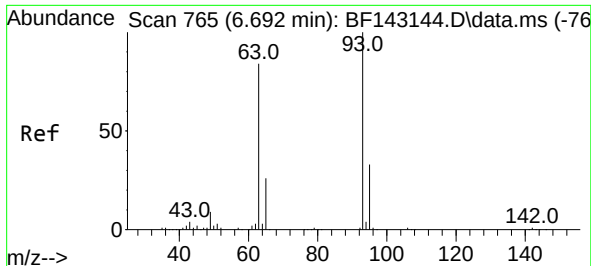
Tgt Ion: 77 Resp: 41029
Ion Ratio Lower Upper
77 100
105 93.5 76.8 116.8
106 91.7 74.4 114.4



#10
Phenol
Concen: 5.431 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 94 Resp: 61148
Ion Ratio Lower Upper
94 100
65 29.4 10.0 50.0
66 39.8 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 5.345 ng

RT: 6.687 min Scan# 765

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

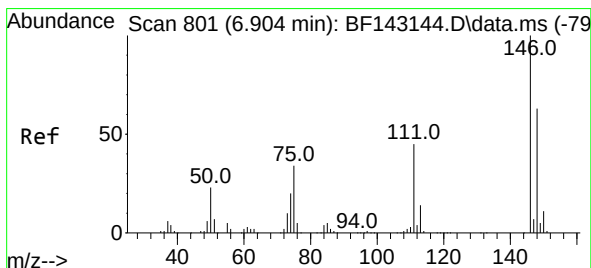
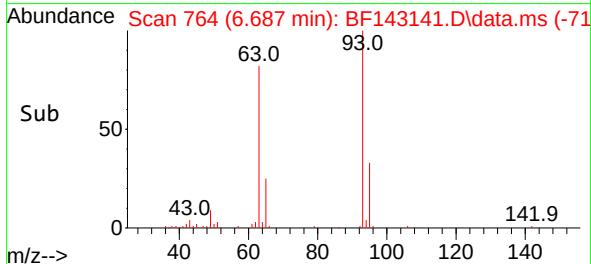
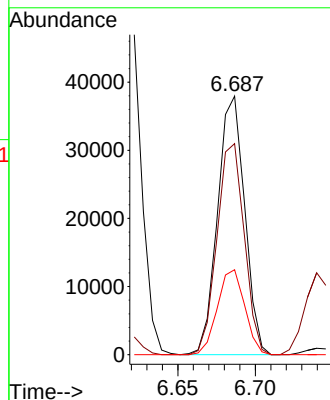
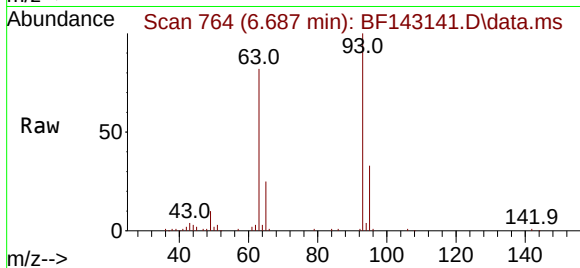
Tgt Ion: 93 Resp: 46083

Ion Ratio Lower Upper

93 100

63 81.6 63.4 103.4

95 32.9 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 5.460 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

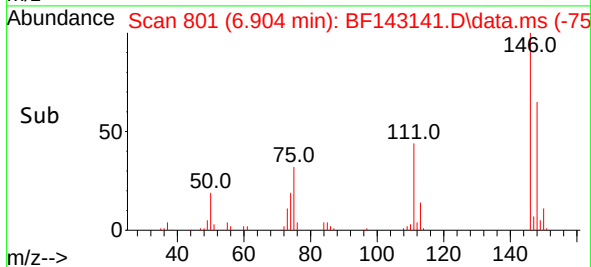
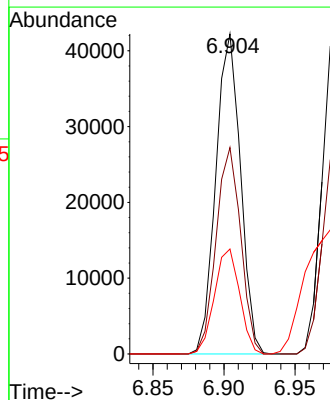
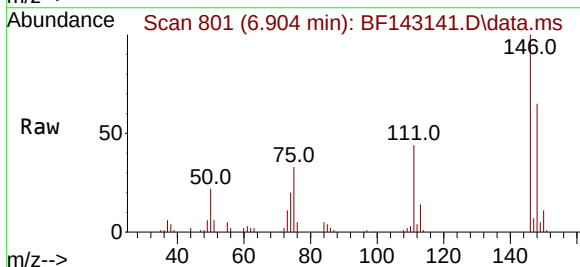
Tgt Ion: 146 Resp: 51056

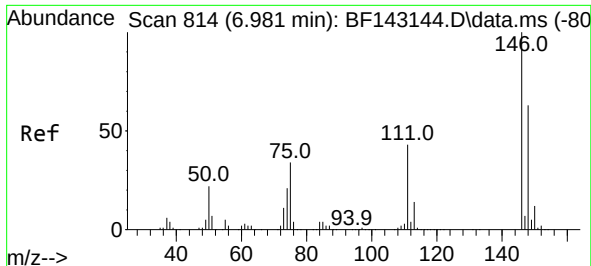
Ion Ratio Lower Upper

146 100

148 64.5 50.6 76.0

75 32.8 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 5.526 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

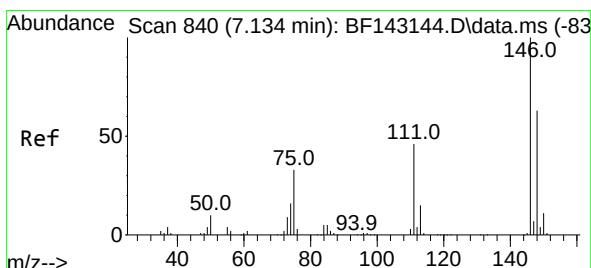
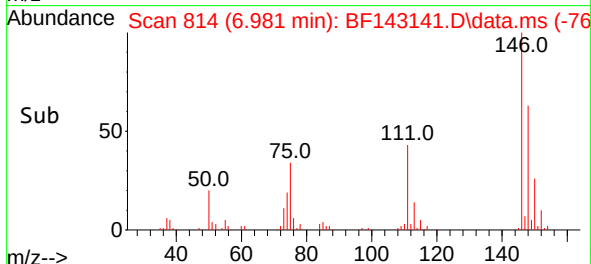
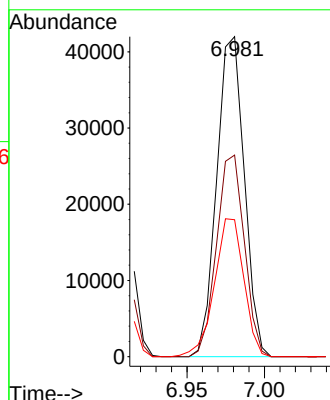
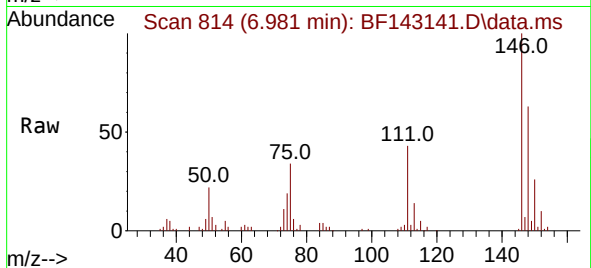
Tgt Ion:146 Resp: 52031

Ion Ratio Lower Upper

146 100

148 63.0 50.3 75.5

111 42.8 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 5.474 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

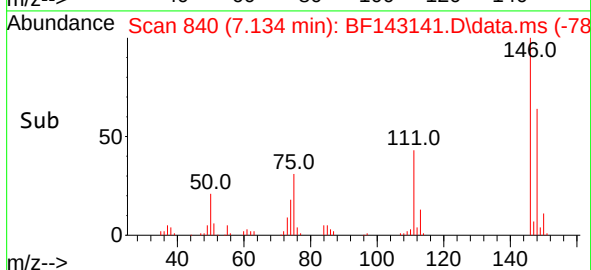
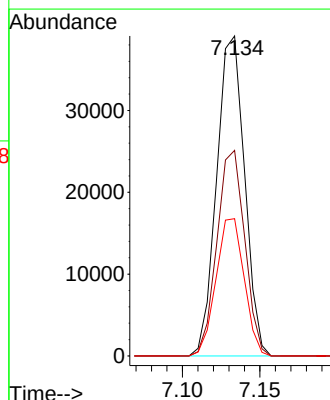
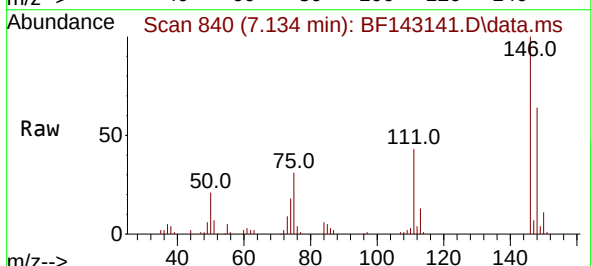
Tgt Ion:146 Resp: 49028

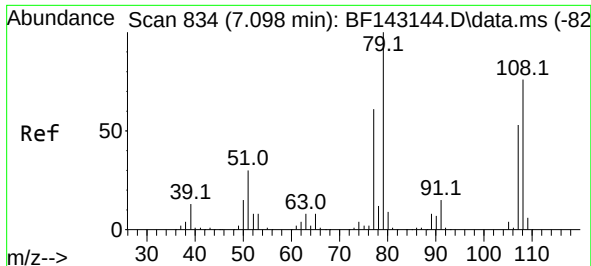
Ion Ratio Lower Upper

146 100

148 64.2 50.7 76.1

111 42.9 36.6 54.8

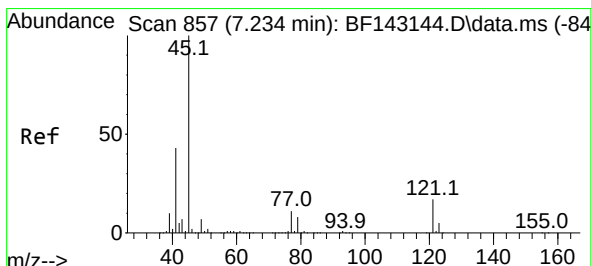
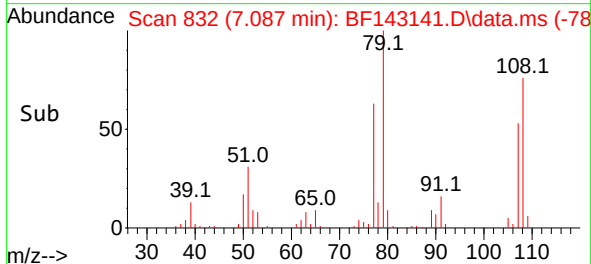
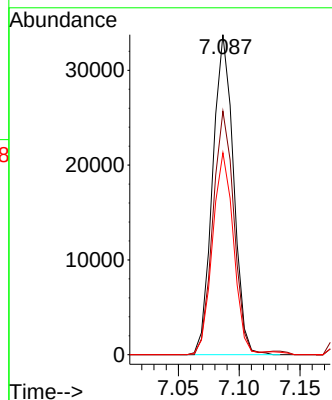
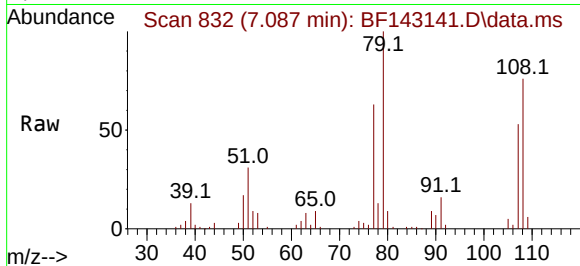




#15
Benzyl Alcohol
Concen: 5.106 ng
RT: 7.087 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

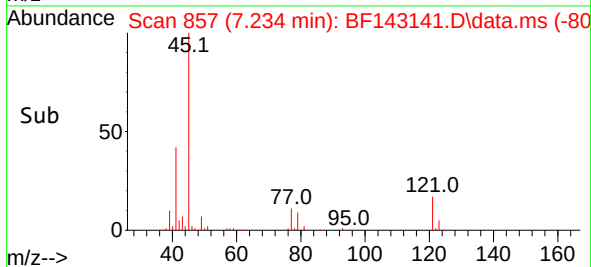
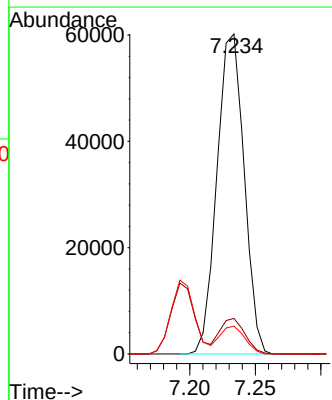
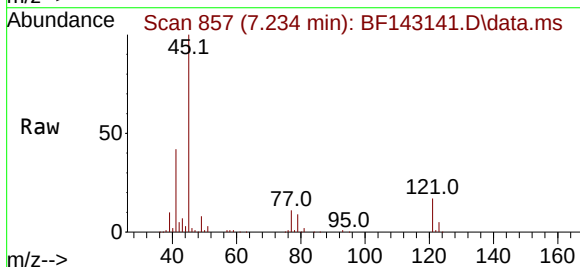
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

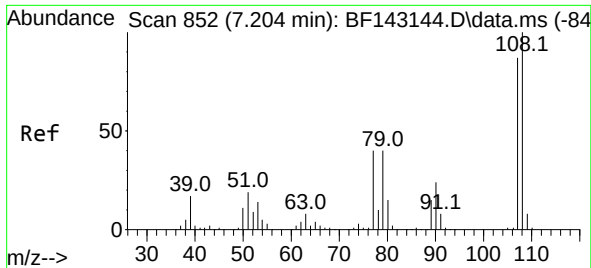
Tgt Ion: 79	Resp: 40295
Ion Ratio	Lower Upper
79	100
108	76.1 61.1 91.7
77	63.1 48.9 73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.423 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 45	Resp: 86727
Ion Ratio	Lower Upper
45	100
77	11.1 0.0 31.2
79	8.7 0.0 28.5

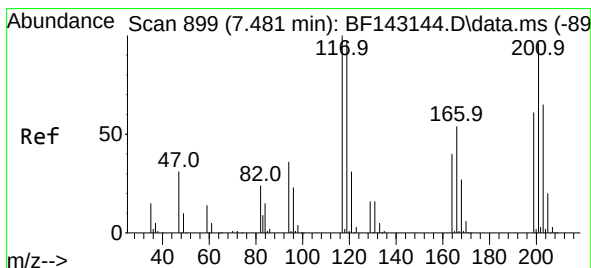
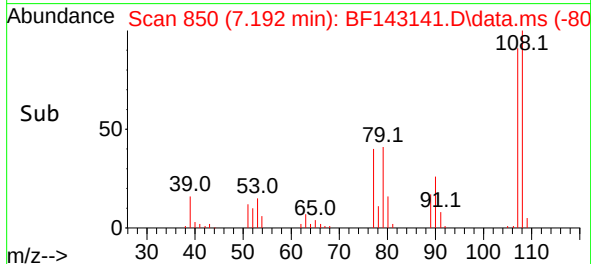
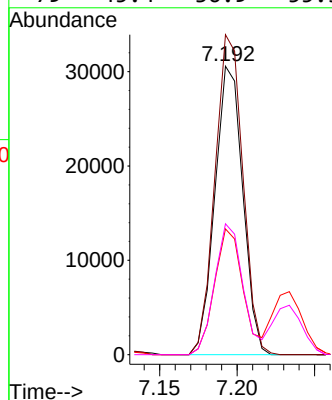
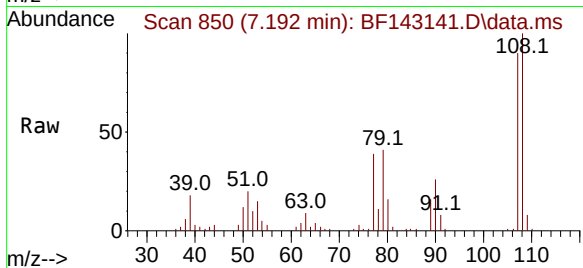




#17
2-Methylphenol
Concen: 5.289 ng
RT: 7.192 min Scan# 852
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

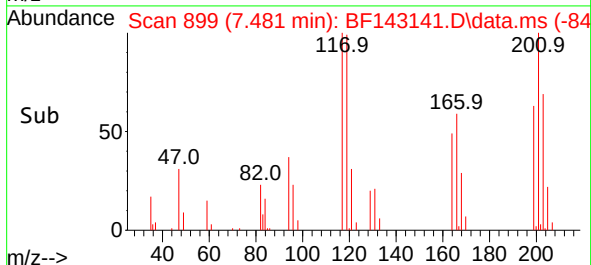
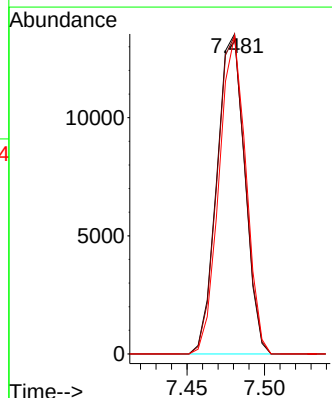
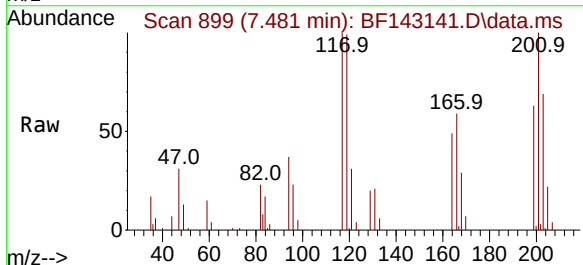
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

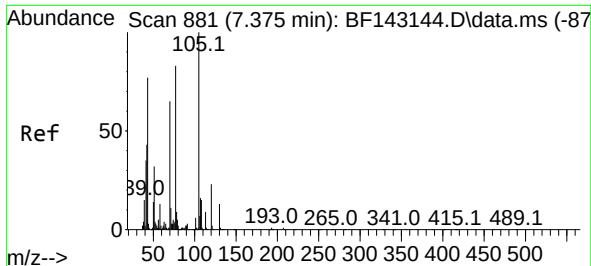
Tgt Ion:	107	Resp:	38278
Ion	Ratio	Lower	Upper
107	100		
108	110.9	91.8	137.6
77	43.6	37.0	55.6
79	45.4	36.9	55.3



#18
Hexachloroethane
Concen: 5.198 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:	117	Resp:	16944
Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.8	116.8
201	99.6	77.0	115.4

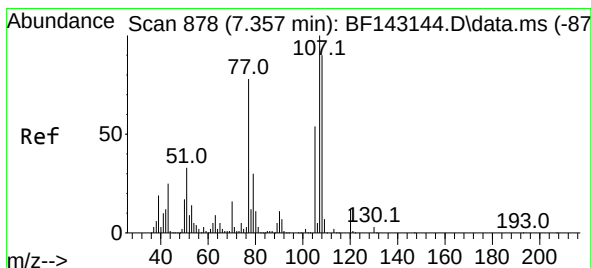
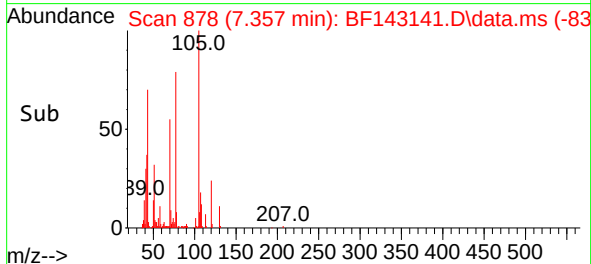
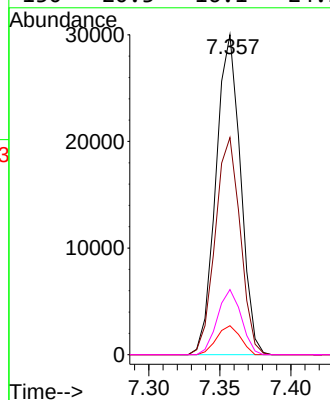
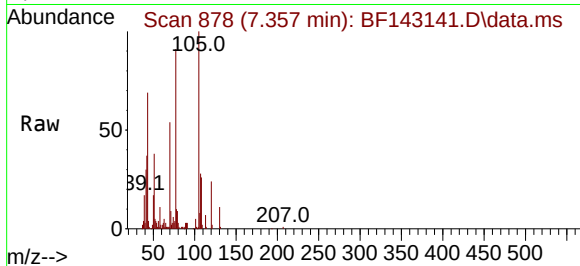




#19
n-Nitroso-di-n-propylamine
Concen: 5.445 ng
RT: 7.357 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

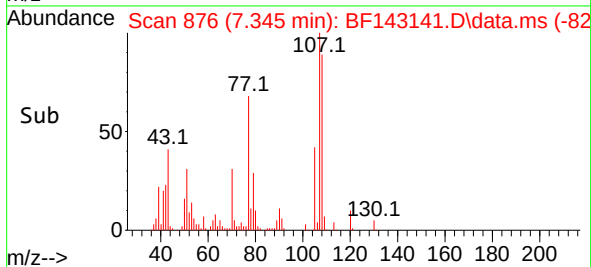
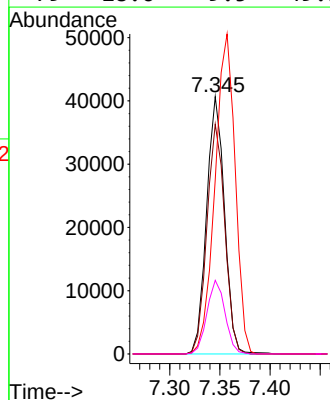
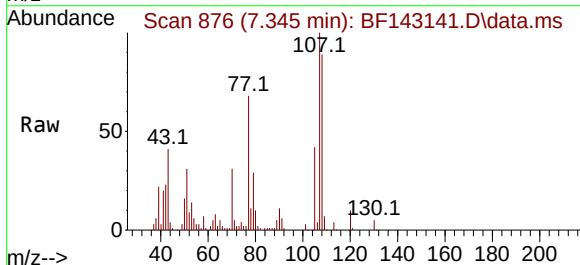
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

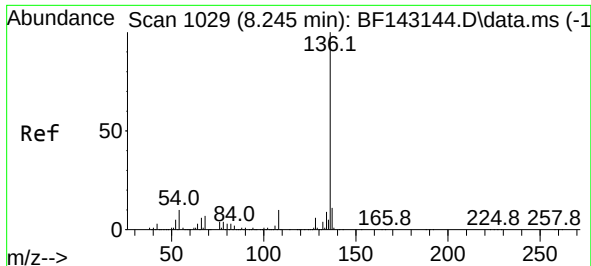
Tgt Ion:	70	Resp:	36103
Ion	Ratio	Lower	Upper
70	100		
42	67.8	52.5	78.7
101	9.0	7.6	11.4
130	20.3	16.1	24.1



#20
3+4-Methylphenols
Concen: 5.763 ng
RT: 7.345 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:	107	Resp:	50606
Ion	Ratio	Lower	Upper
107	100		
108	89.3	70.0	110.0
77	67.7	57.8	97.8
79	28.6	9.5	49.5

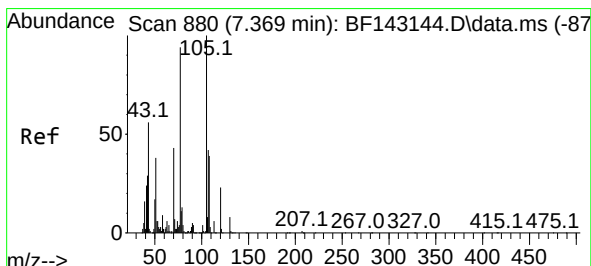
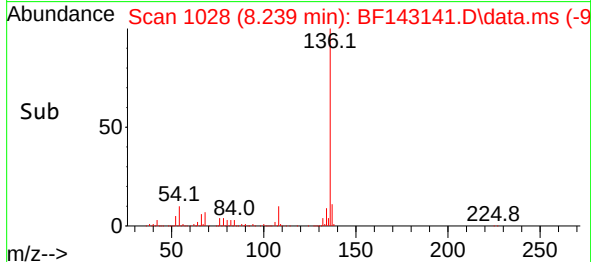
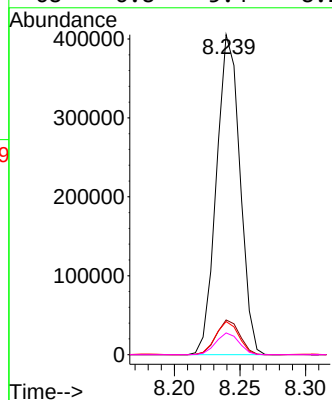
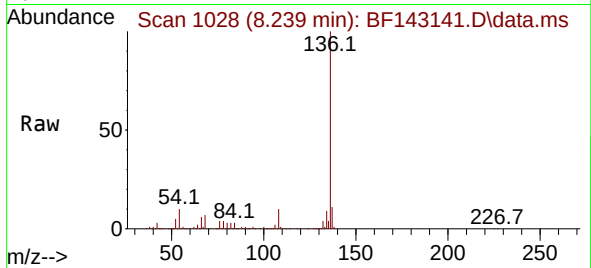




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

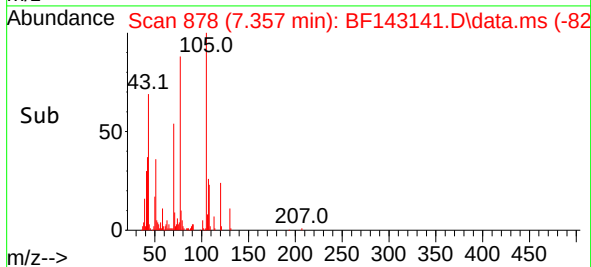
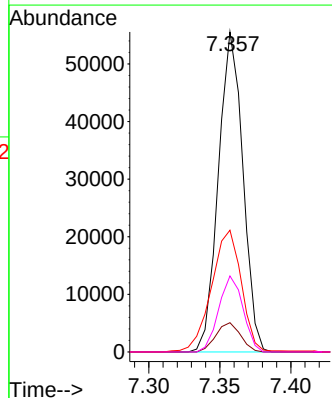
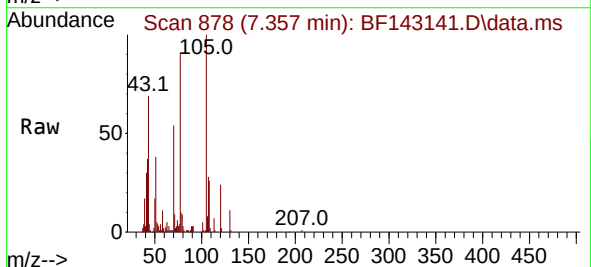
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

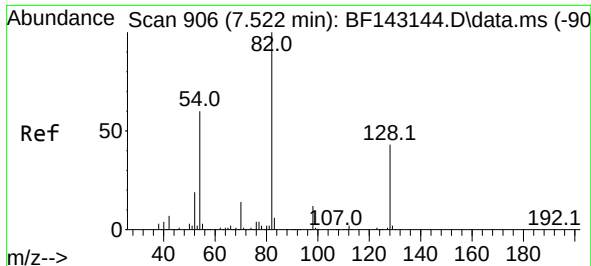
Tgt Ion:136	Resp: 504796
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 10.3	8.2 12.2
68 6.8	5.4 8.2



#22
Acetophenone
Concen: 5.569 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt	Ion:105	Resp:	66559
Ion	Ratio	Lower	Upper
105	100		
71	9.1	5.8	8.6#
51	38.1	30.2	45.2
120	23.7	18.2	27.4





#23

Nitrobenzene-d5

Concen: 10.533 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

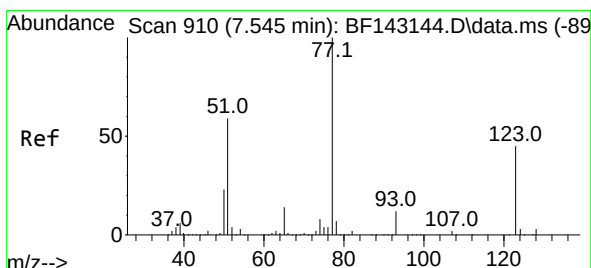
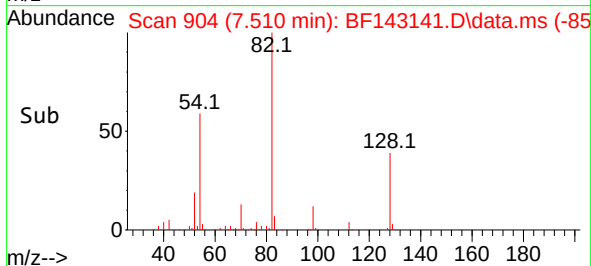
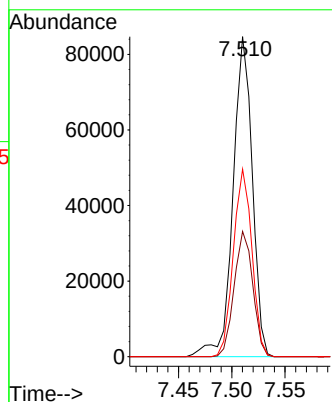
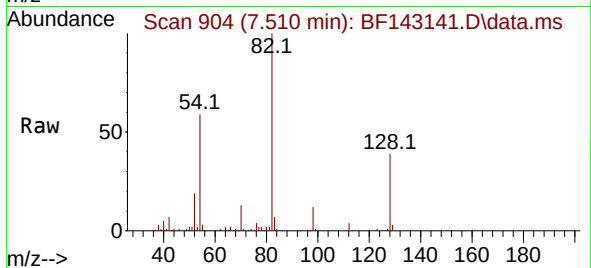
Tgt Ion: 82 Resp: 106670

Ion Ratio Lower Upper

82 100

128 39.1 33.6 50.4

54 58.6 47.1 70.7



#24

Nitrobenzene

Concen: 5.074 ng

RT: 7.528 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

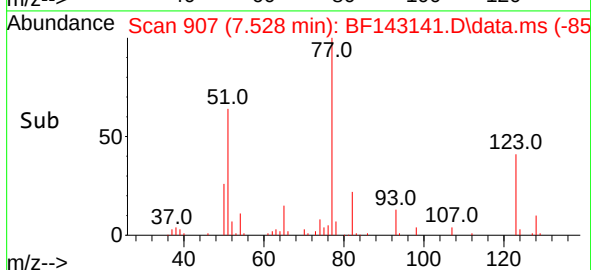
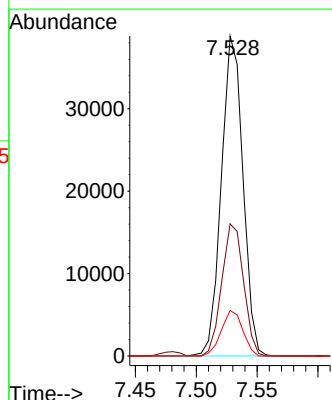
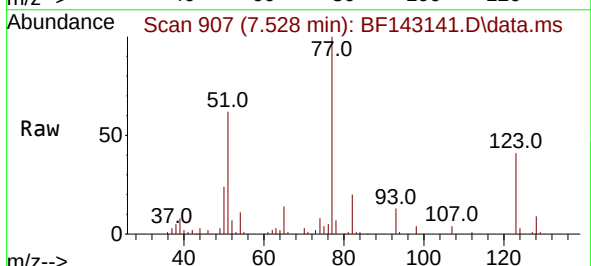
Tgt Ion: 77 Resp: 47902

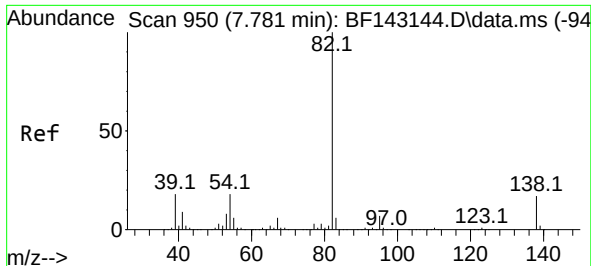
Ion Ratio Lower Upper

77 100

123 41.3 36.1 54.1

65 14.2 11.4 17.2

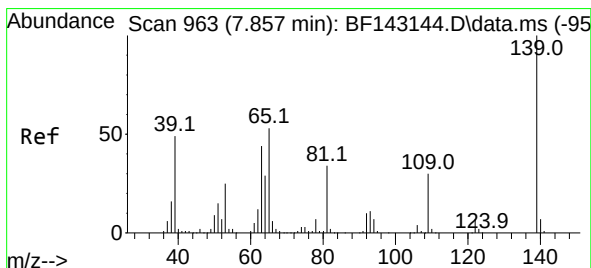
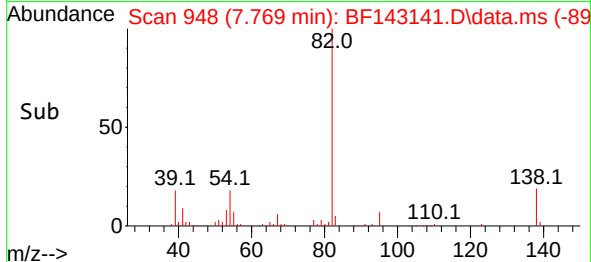
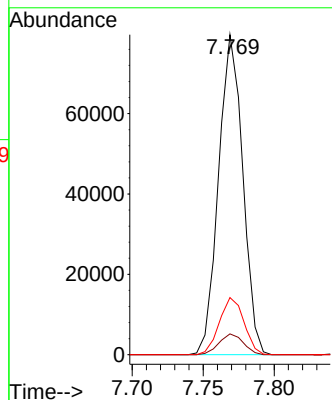
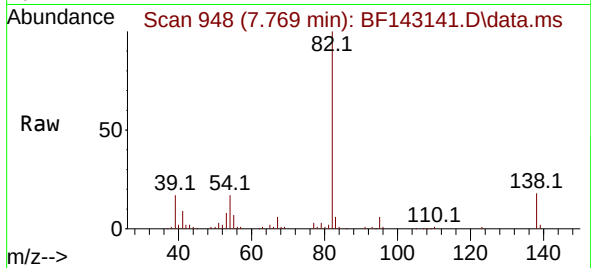




#25
Isophorone
Concen: 5.279 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

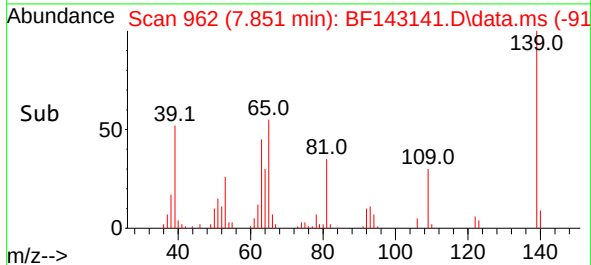
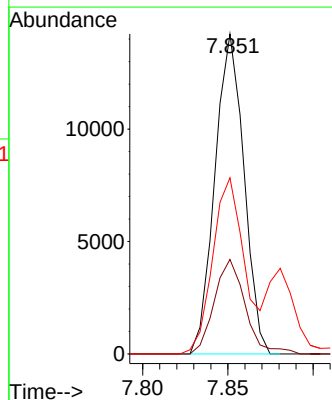
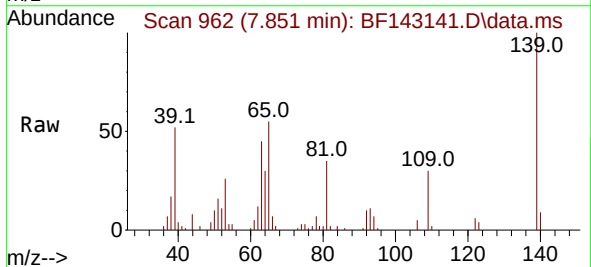
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

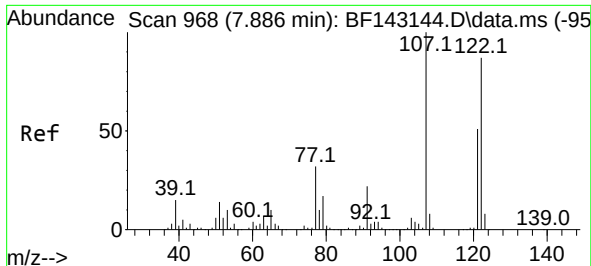
Tgt Ion: 82 Resp: 94372
Ion Ratio Lower Upper
82 100
95 6.5 5.5 8.3
138 17.8 13.8 20.8



#26
2-Nitrophenol
Concen: 4.107 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:139 Resp: 16827
Ion Ratio Lower Upper
139 100
109 29.5 23.6 35.4
65 55.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 5.382 ng

RT: 7.881 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

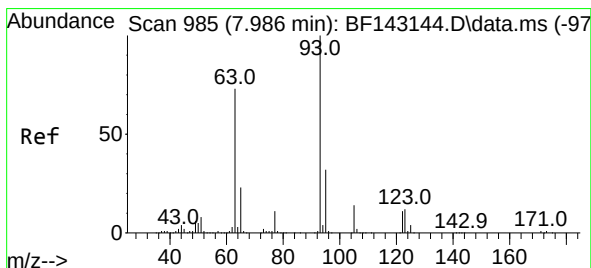
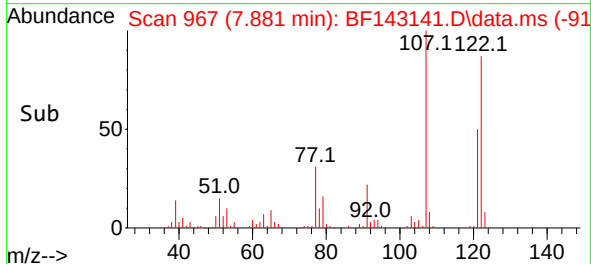
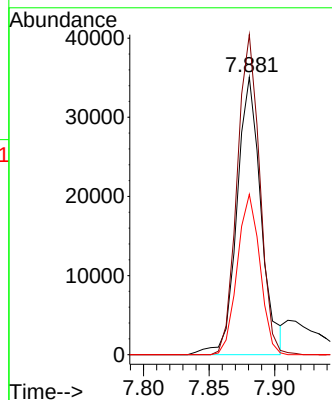
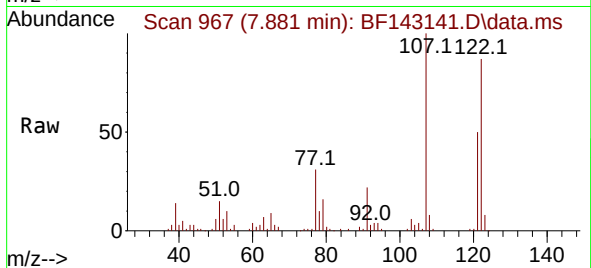
Tgt Ion:122 Resp: 44954

Ion Ratio Lower Upper

122 100

107 115.3 91.8 137.6

121 57.8 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 5.455 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

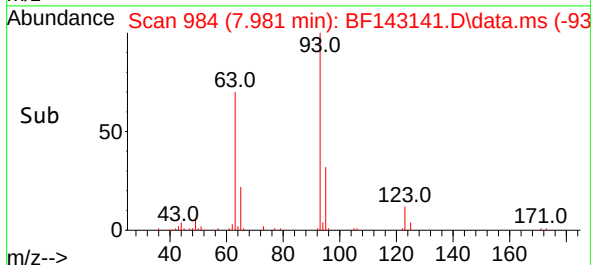
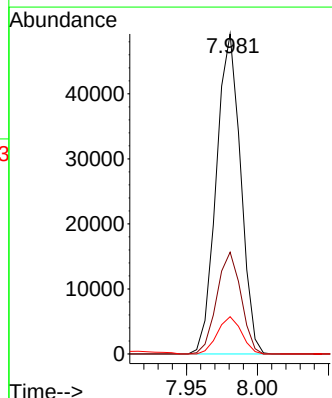
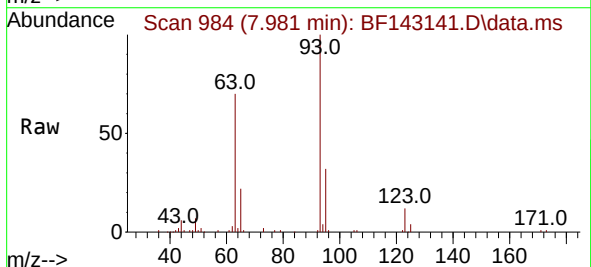
Tgt Ion: 93 Resp: 58465

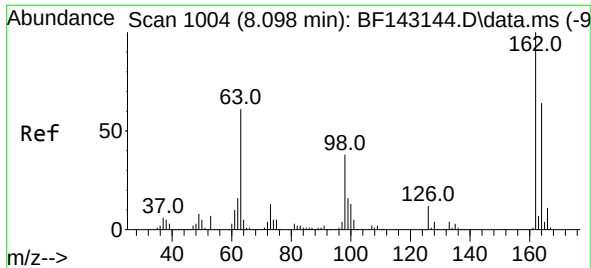
Ion Ratio Lower Upper

93 100

95 31.8 25.8 38.6

123 11.7 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 5.236 ng

RT: 8.087 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

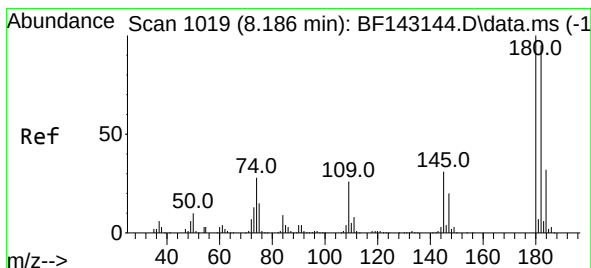
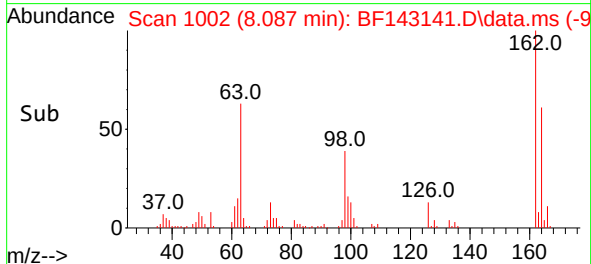
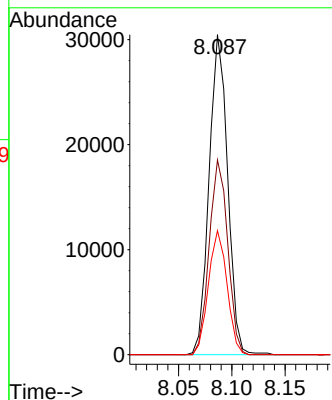
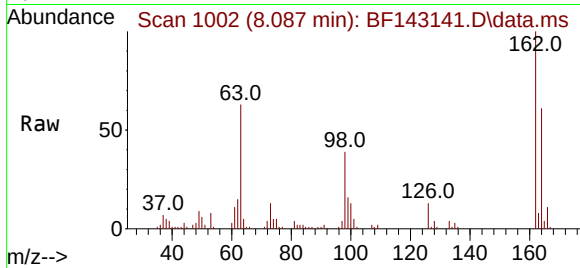
Tgt Ion:162 Resp: 36884

Ion Ratio Lower Upper

162 100

164 60.8 44.2 84.2

98 38.7 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 5.460 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

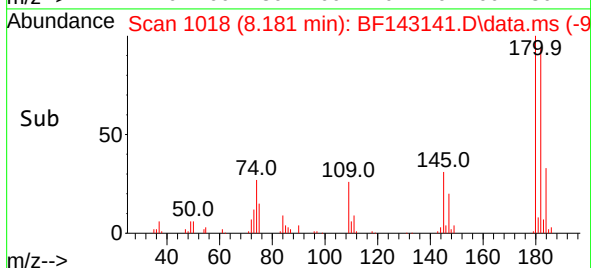
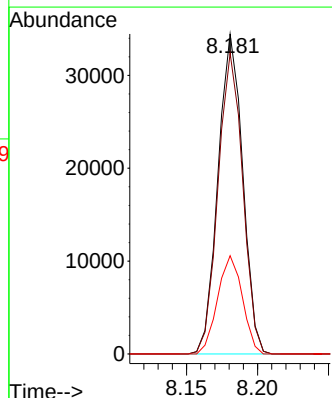
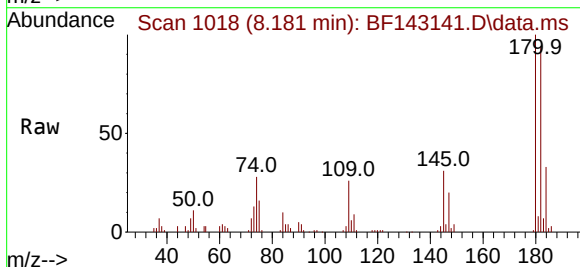
Tgt Ion:180 Resp: 41552

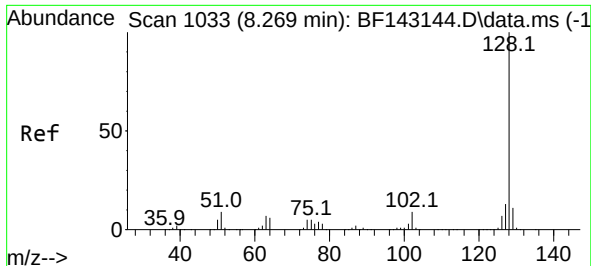
Ion Ratio Lower Upper

180 100

182 94.0 76.2 114.2

145 30.7 25.0 37.6

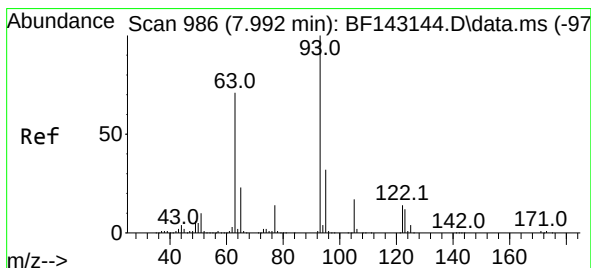
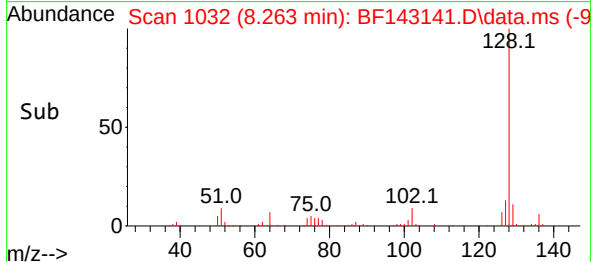
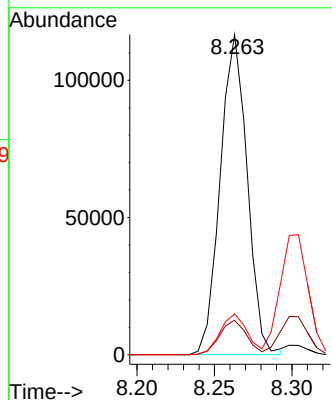
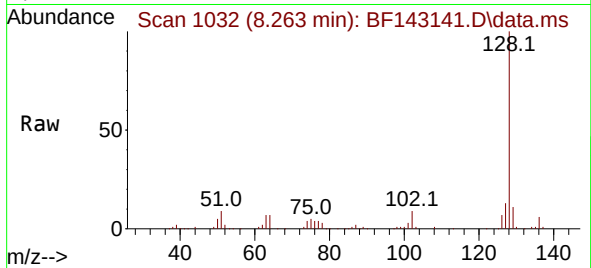




#31
Naphthalene
Concen: 5.676 ng
RT: 8.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

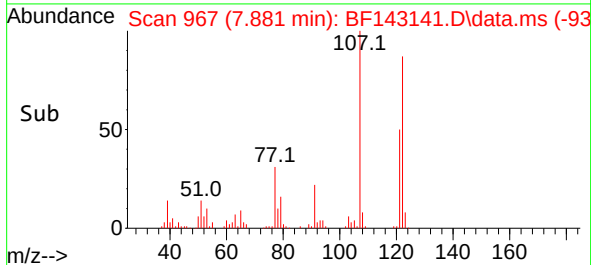
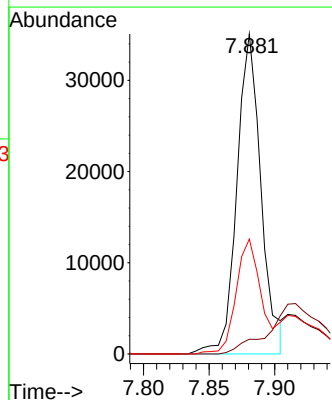
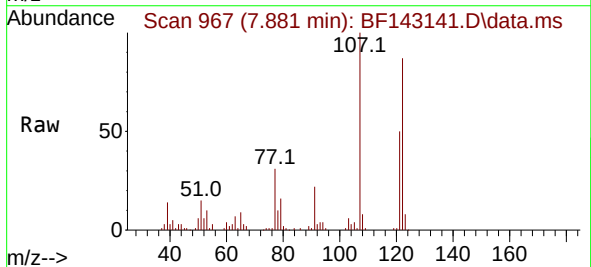
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

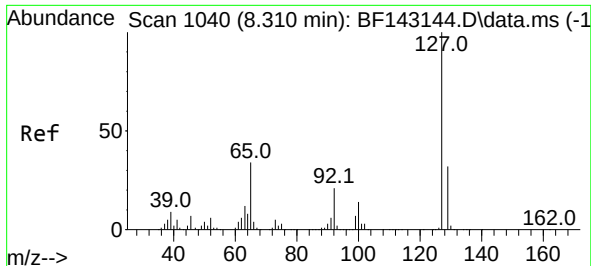
Tgt Ion:128 Resp: 141099
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.7 10.6 16.0



#32
Benzoic acid
Concen: 13.661 ng
RT: 7.881 min Scan# 967
Delta R.T. -0.111 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:122 Resp: 44954
Ion Ratio Lower Upper
122 100
105 4.6 104.8 144.8#
77 35.9 77.6 117.6#

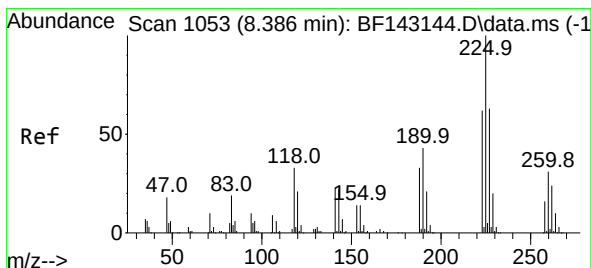
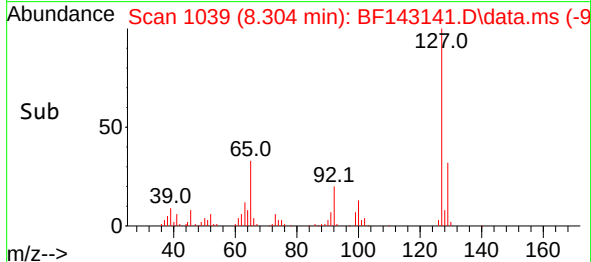
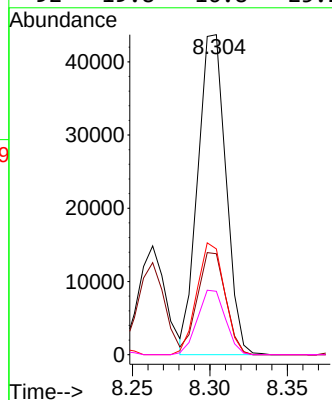
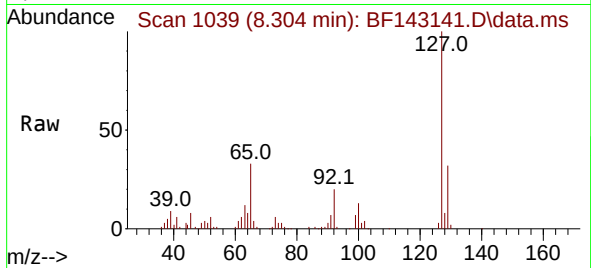




#33
4-Chloroaniline
Concen: 5.431 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

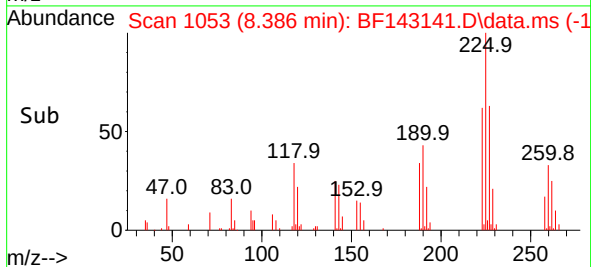
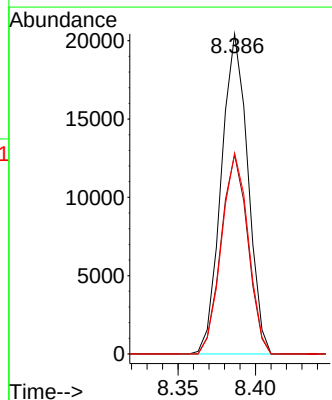
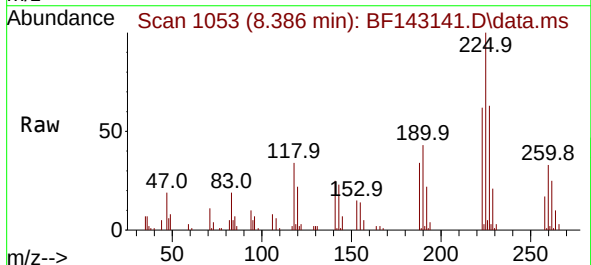
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

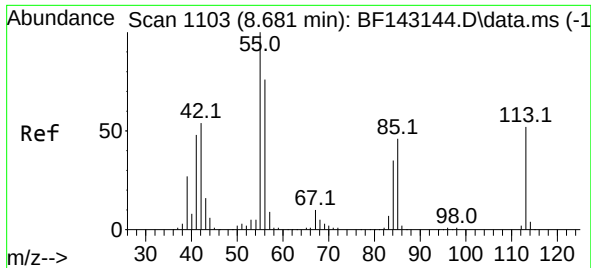
Tgt Ion:	127	Resp:	55130
Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.0	39.0
65	33.0	27.4	41.2
92	19.8	16.8	25.2



#34
Hexachlorobutadiene
Concen: 5.232 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:	225	Resp:	24322
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	62.8	50.2	75.4

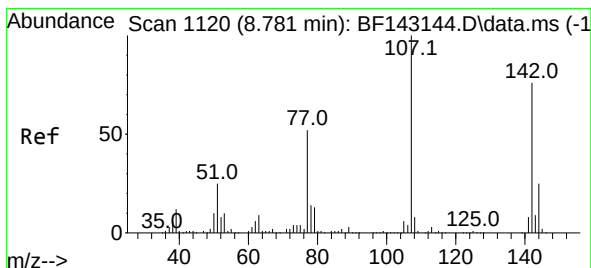
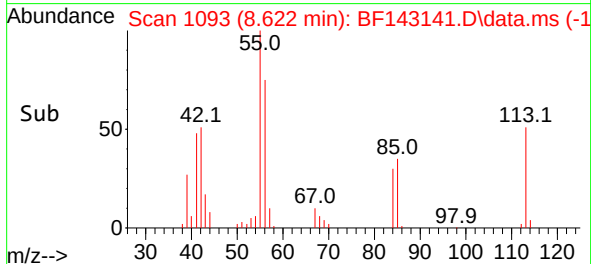
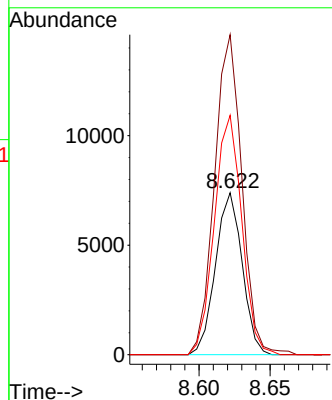
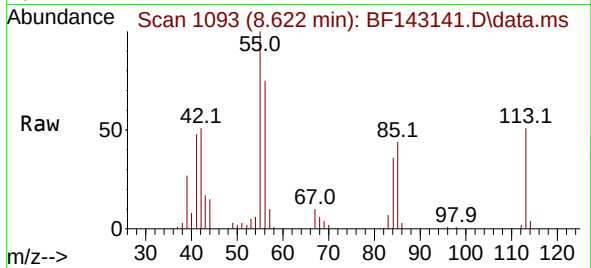




#35
 Caprolactam
 Concen: 4.532 ng
 RT: 8.622 min Scan# 1103
 Delta R.T. -0.059 min
 Lab File: BF143141.D
 Acq: 17 Jul 2025 11:34

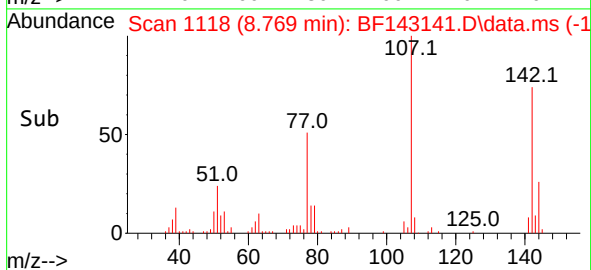
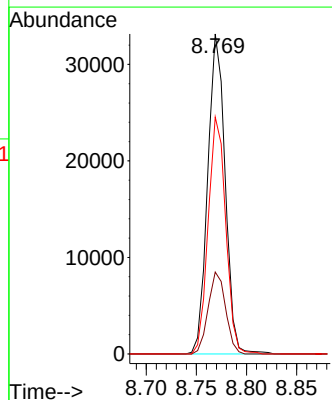
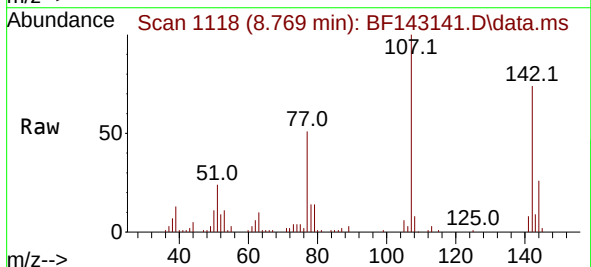
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

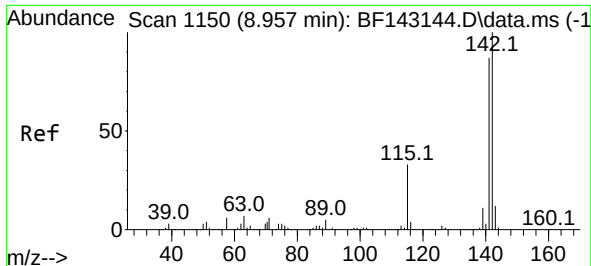
Tgt Ion:113 Resp: 9647
 Ion Ratio Lower Upper
 113 100
 55 197.6 174.0 214.0
 56 147.8 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 5.251 ng
 RT: 8.769 min Scan# 1118
 Delta R.T. -0.012 min
 Lab File: BF143141.D
 Acq: 17 Jul 2025 11:34

Tgt Ion:107 Resp: 40203
 Ion Ratio Lower Upper
 107 100
 144 25.6 19.8 29.6
 142 74.1 60.6 90.8





#37

2-Methylnaphthalene

Concen: 5.568 ng

RT: 8.951 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

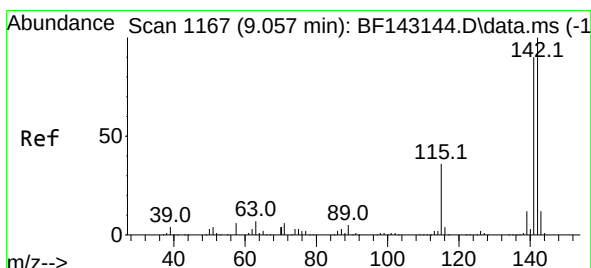
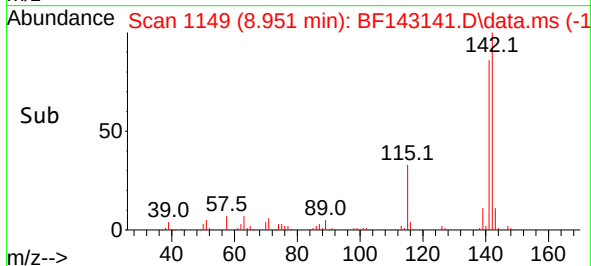
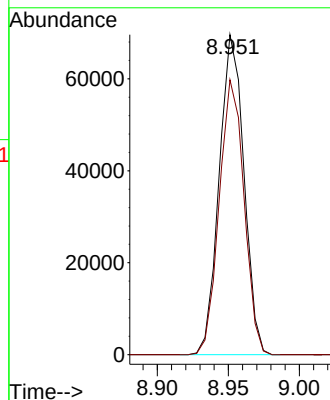
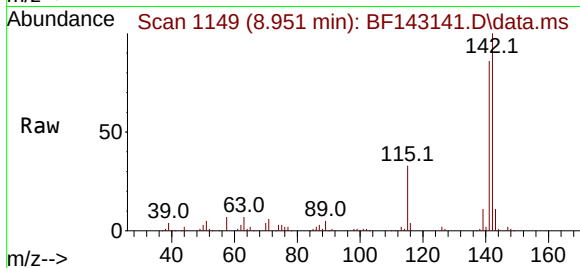
SSTDICC005

Tgt Ion:142 Resp: 84234

Ion Ratio Lower Upper

142 100

141 85.9 69.9 104.9



#38

1-Methylnaphthalene

Concen: 5.529 ng

RT: 9.051 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF143141.D

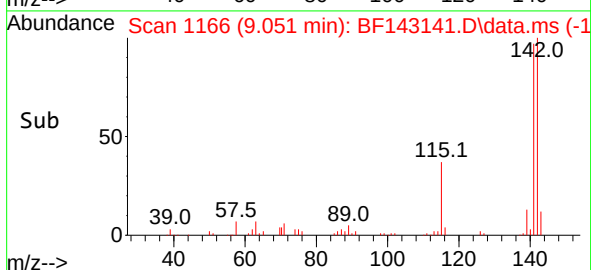
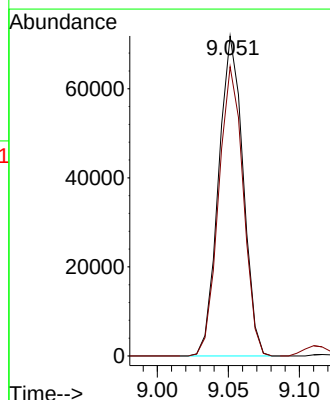
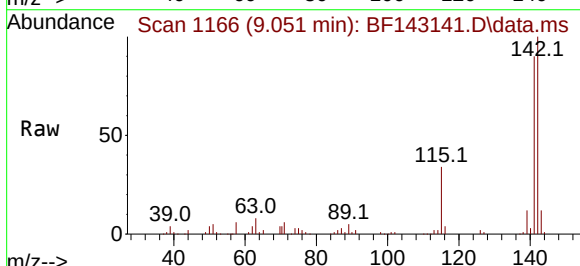
Acq: 17 Jul 2025 11:34

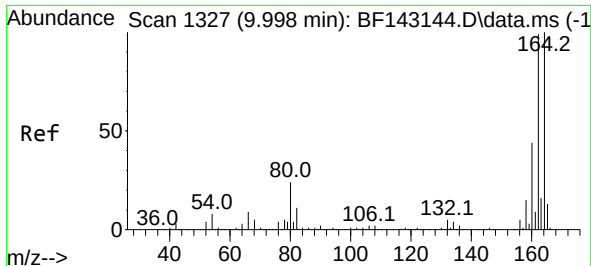
Tgt Ion:142 Resp: 86130

Ion Ratio Lower Upper

142 100

141 90.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

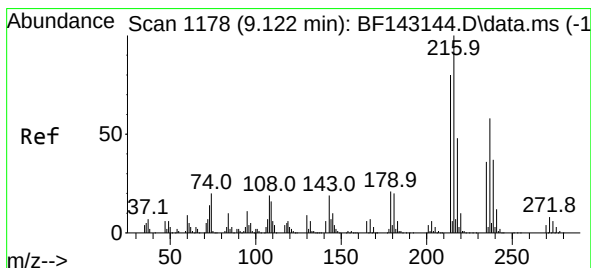
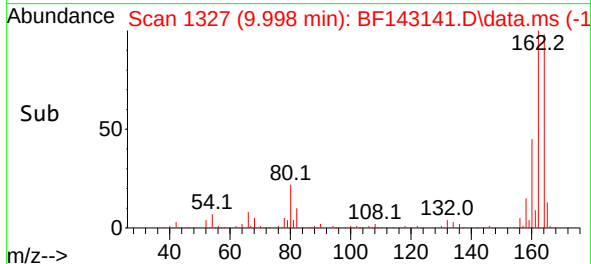
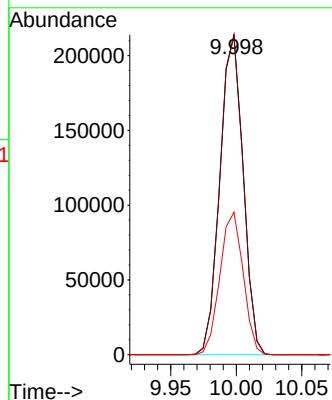
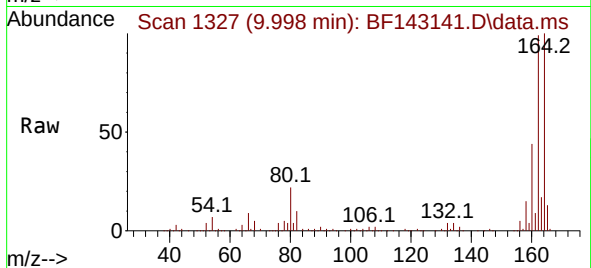
Tgt Ion:164 Resp: 263409

Ion Ratio Lower Upper

164 100

162 99.5 79.0 118.6

160 44.5 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.523 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion:216 Resp: 41999

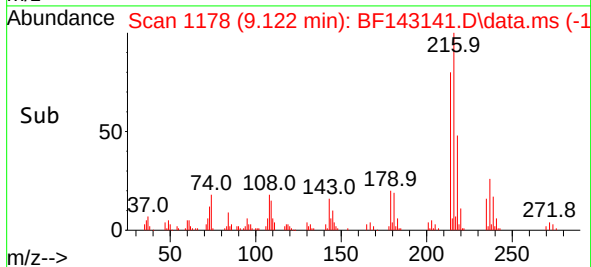
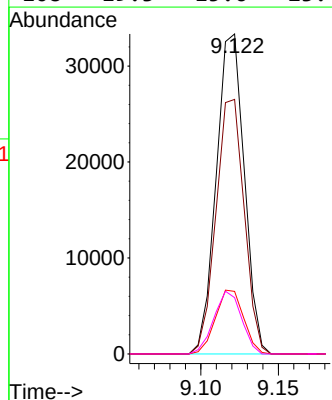
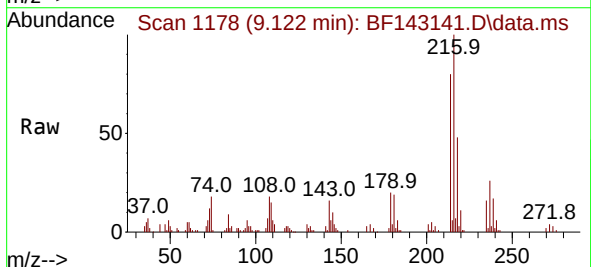
Ion Ratio Lower Upper

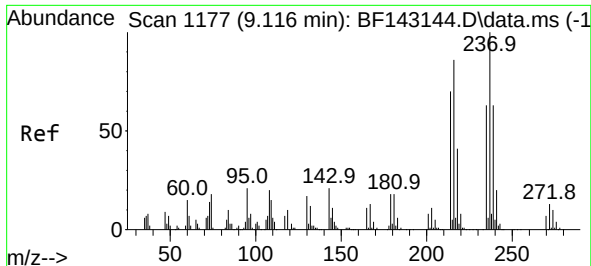
216 100

214 79.9 63.8 95.8

179 20.1 16.4 24.6

108 19.3 15.6 23.4

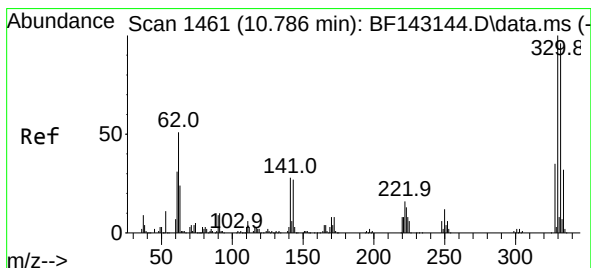
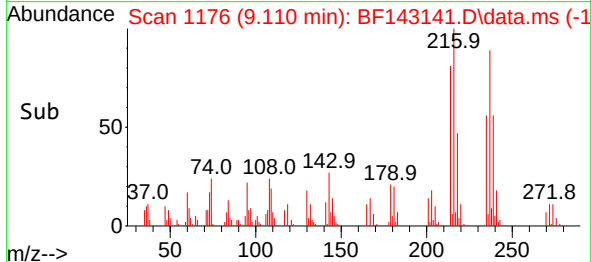
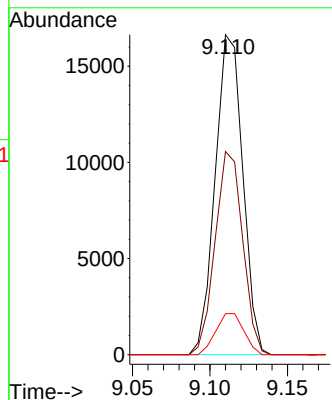
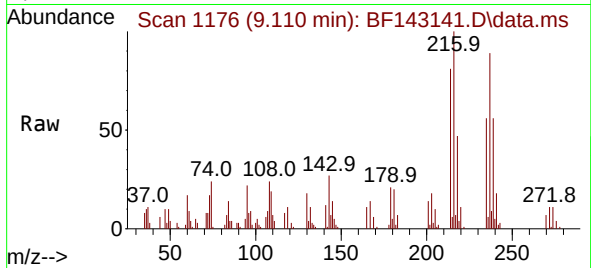




#41
Hexachlorocyclopentadiene
Concen: 4.177 ng
RT: 9.110 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

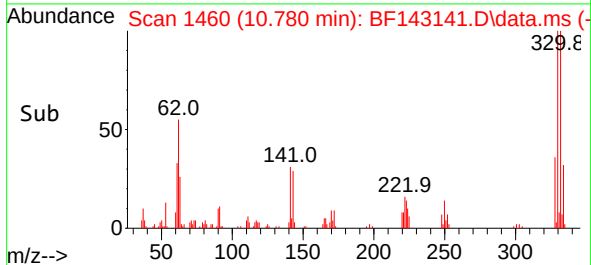
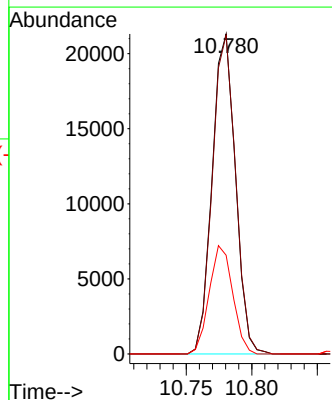
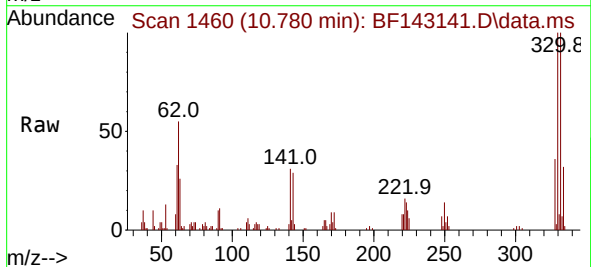
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

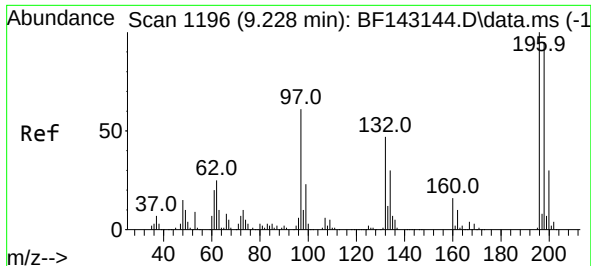
Tgt Ion:237 Resp: 20668
Ion Ratio Lower Upper
237 100
235 63.5 43.0 83.0
272 12.8 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 9.661 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:330 Resp: 26288
Ion Ratio Lower Upper
330 100
332 99.4 76.7 115.1
141 34.3 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 4.889 ng

RT: 9.222 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

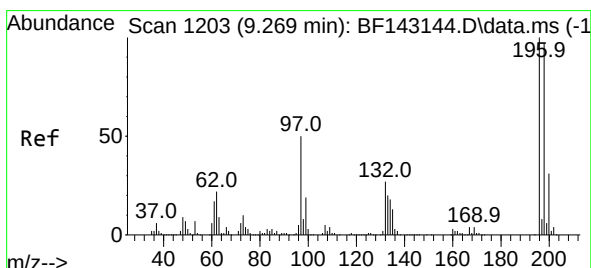
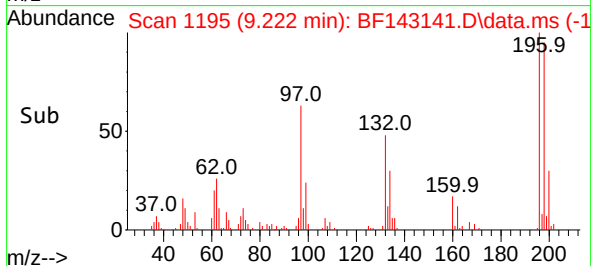
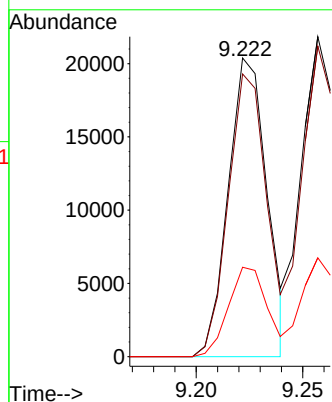
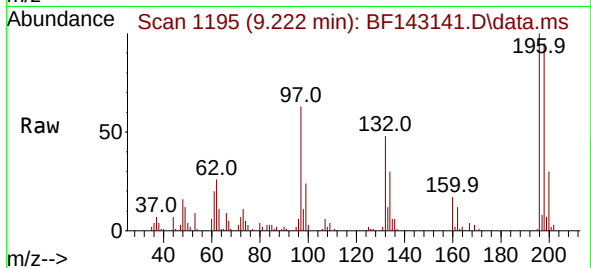
Tgt Ion:196 Resp: 25730

Ion Ratio Lower Upper

196 100

198 94.7 76.2 114.2

200 30.0 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 5.057 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion:196 Resp: 26626

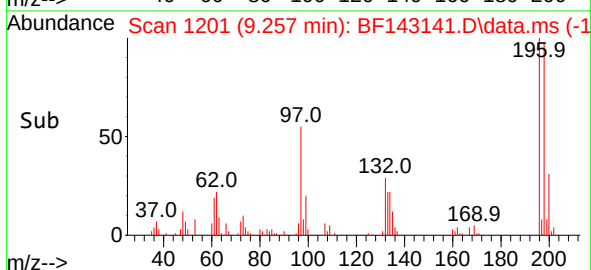
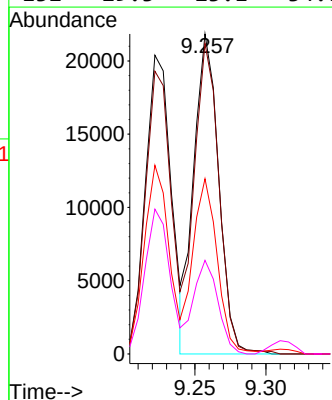
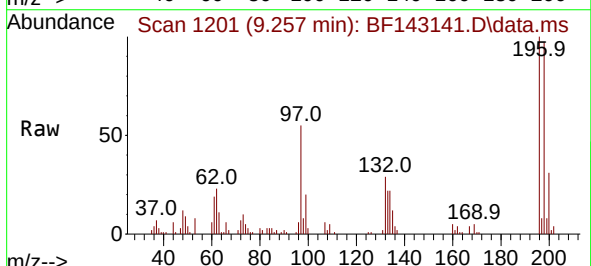
Ion Ratio Lower Upper

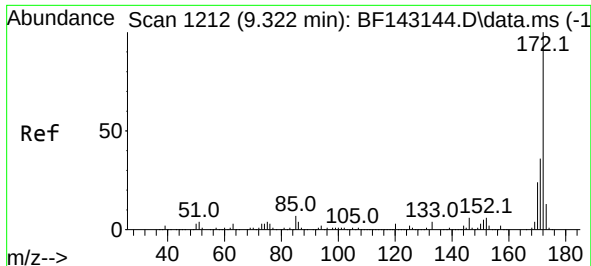
196 100

198 97.0 77.3 115.9

97 54.7 40.3 60.5

132 29.3 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 12.043 ng

RT: 9.310 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

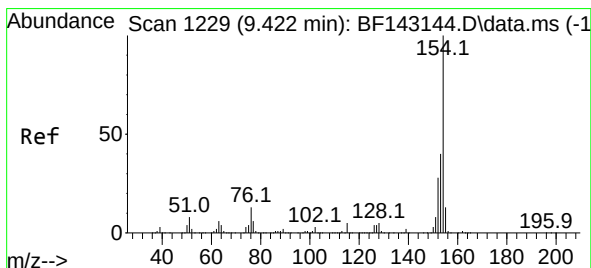
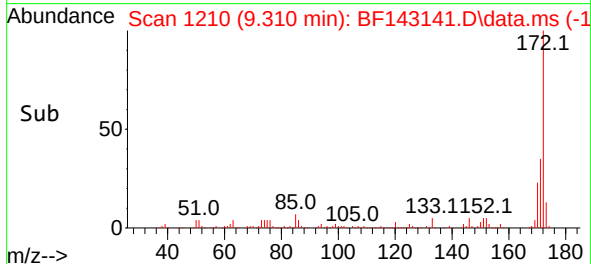
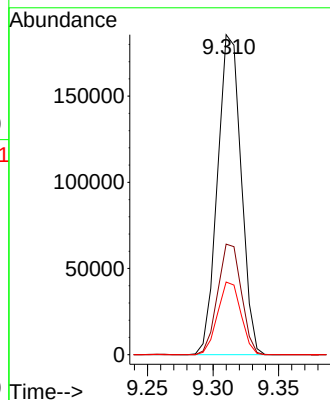
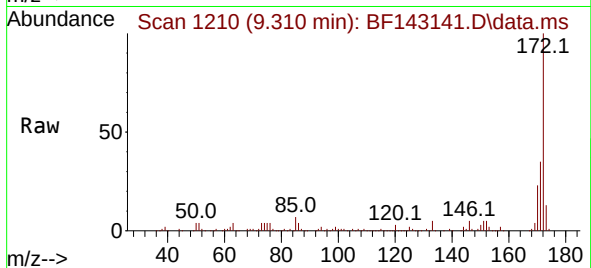
Tgt Ion:172 Resp: 231962

Ion Ratio Lower Upper

172 100

171 34.6 28.6 42.8

170 22.7 18.8 28.2



#46

1,1'-Biphenyl

Concen: 5.602 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

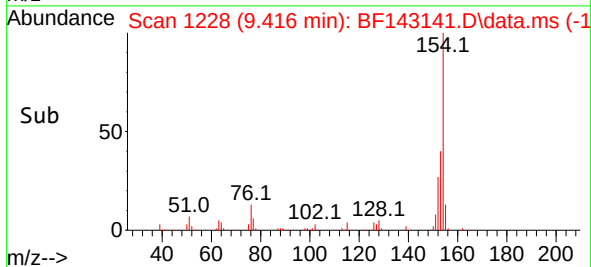
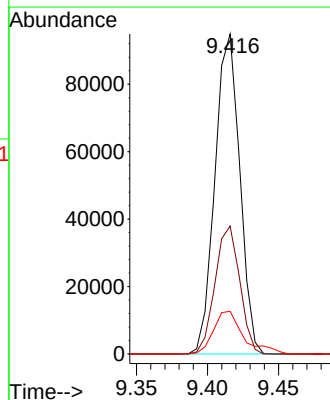
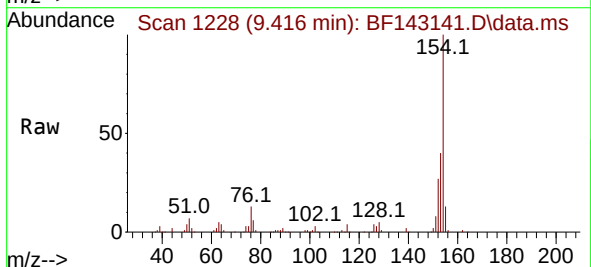
Tgt Ion:154 Resp: 115130

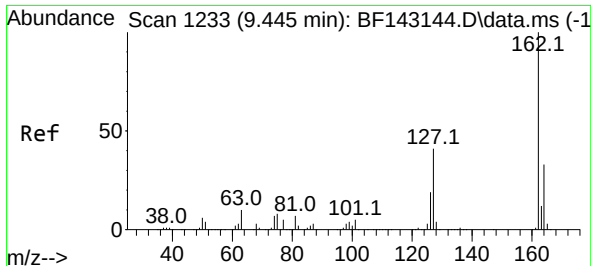
Ion Ratio Lower Upper

154 100

153 40.0 20.3 60.3

76 13.4 0.0 33.3





#47

2-Chloronaphthalene

Concen: 5.491 ng

RT: 9.439 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

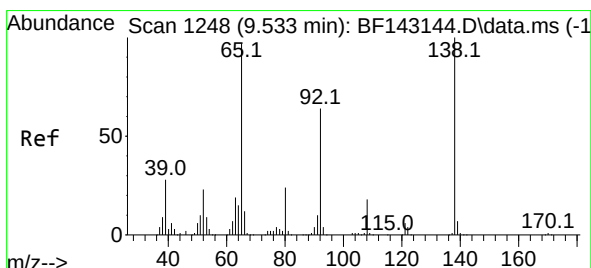
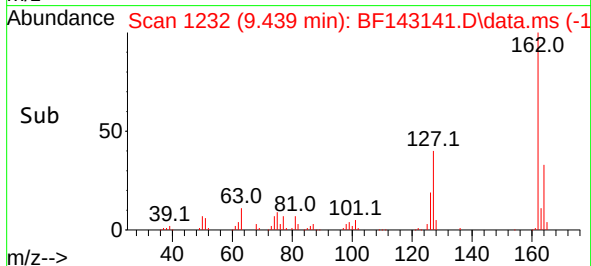
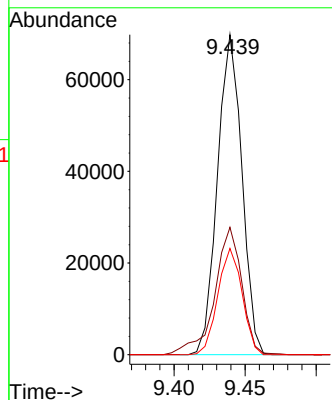
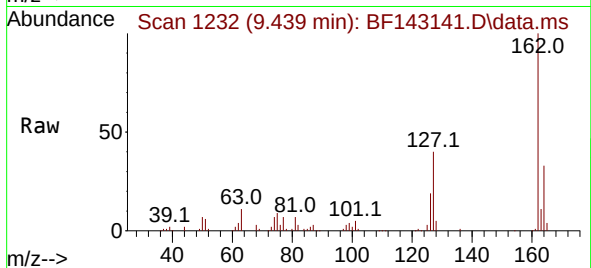
Tgt Ion:162 Resp: 83495

Ion Ratio Lower Upper

162 100

127 39.8 33.4 50.2

164 33.2 26.2 39.2



#48

2-Nitroaniline

Concen: 4.210 ng

RT: 9.522 min Scan# 1246

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

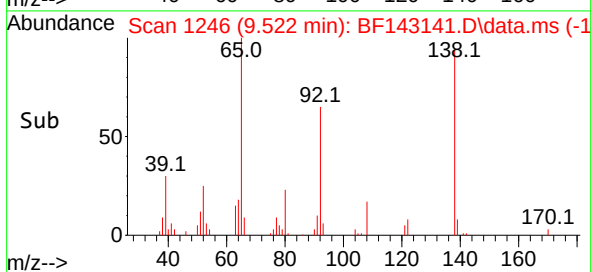
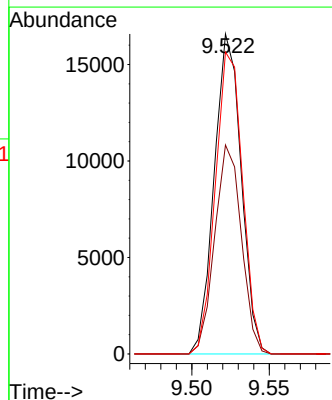
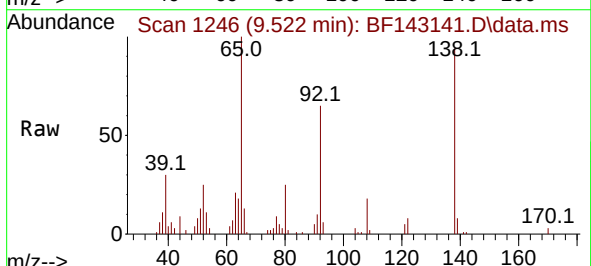
Tgt Ion: 65 Resp: 20076

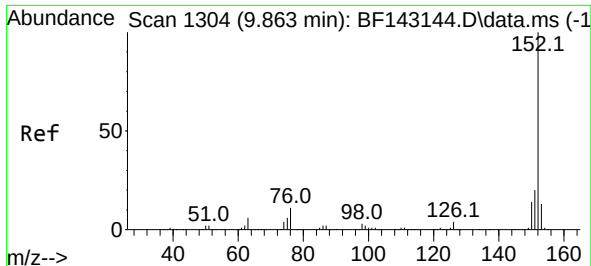
Ion Ratio Lower Upper

65 100

92 65.3 52.4 78.6

138 94.3 82.3 123.5





#49

Acenaphthylene

Concen: 5.514 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

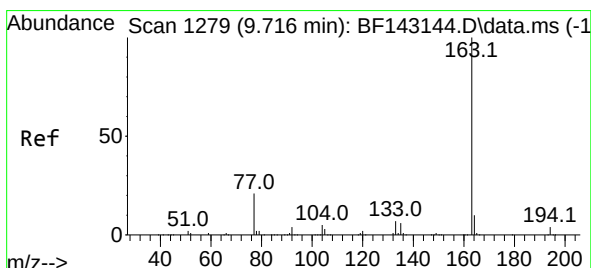
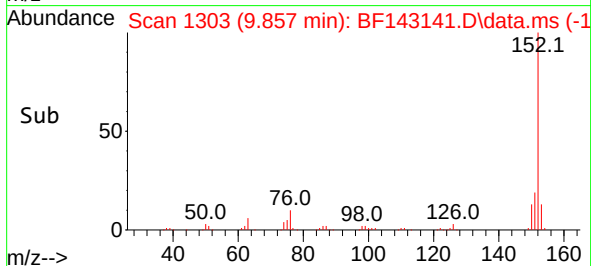
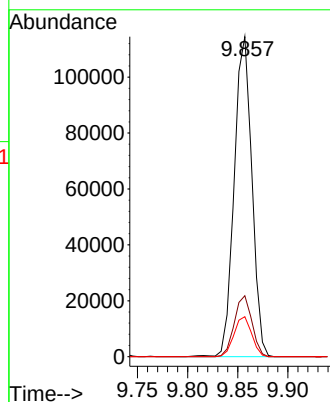
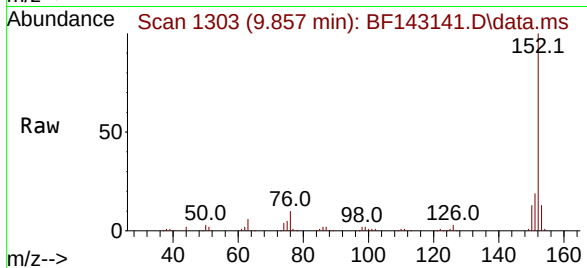
Tgt Ion:152 Resp: 140525

Ion Ratio Lower Upper

152 100

151 19.1 16.2 24.2

153 12.5 10.6 16.0



#50

Dimethylphthalate

Concen: 5.452 ng

RT: 9.704 min Scan# 1277

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

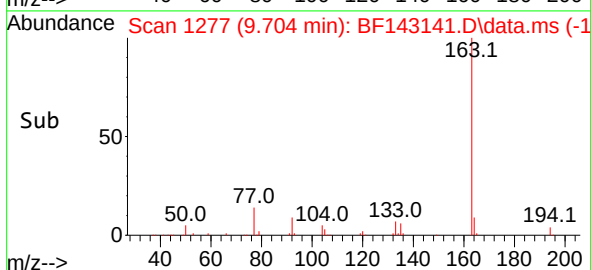
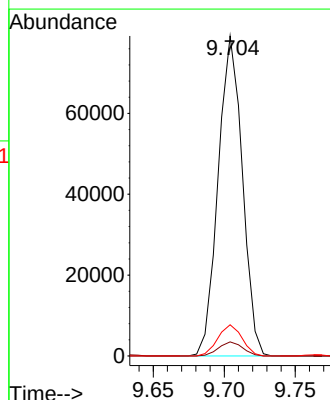
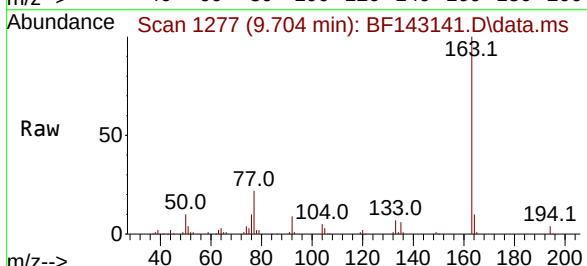
Tgt Ion:163 Resp: 93611

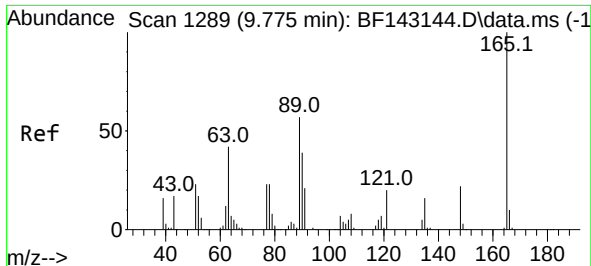
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 9.8 8.3 12.5

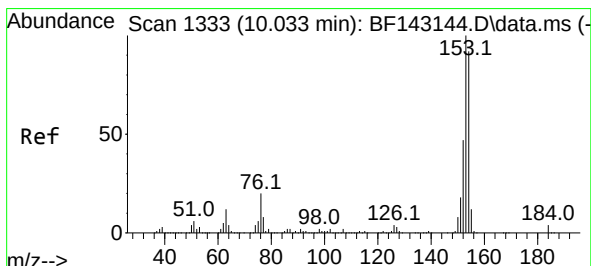
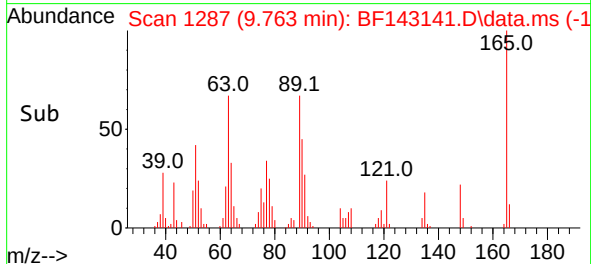
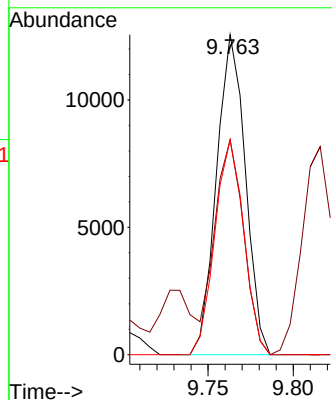
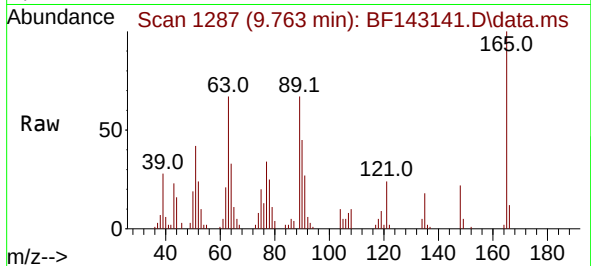




#51
2,6-Dinitrotoluene
Concen: 4.234 ng
RT: 9.763 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

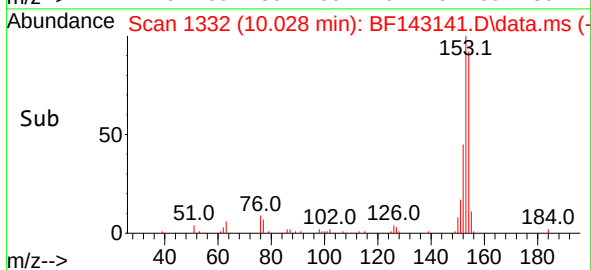
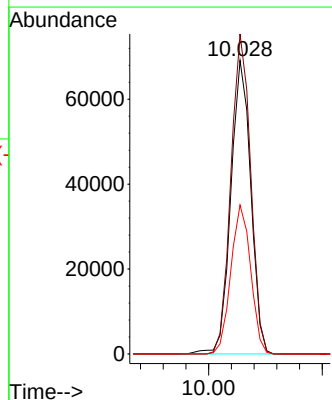
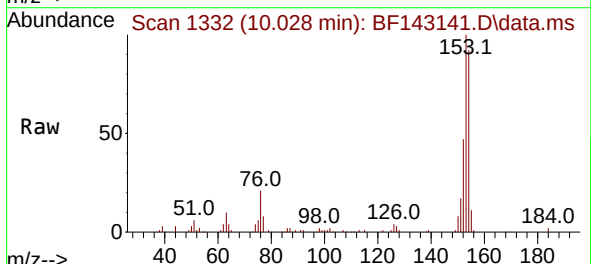
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

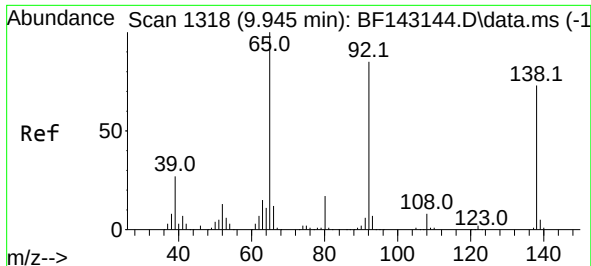
Tgt Ion:165 Resp: 14787
Ion Ratio Lower Upper
165 100
63 67.1 49.4 74.2
89 67.2 46.2 69.2



#52
Acenaphthene
Concen: 5.588 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:154 Resp: 84160
Ion Ratio Lower Upper
154 100
153 109.0 86.6 129.8
152 50.7 40.4 60.6

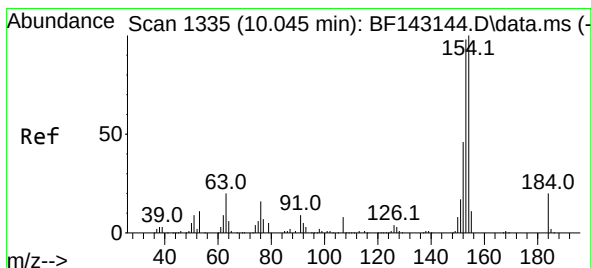
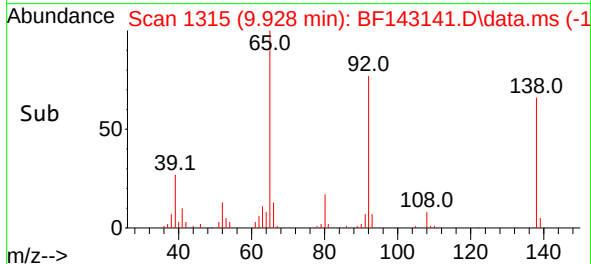
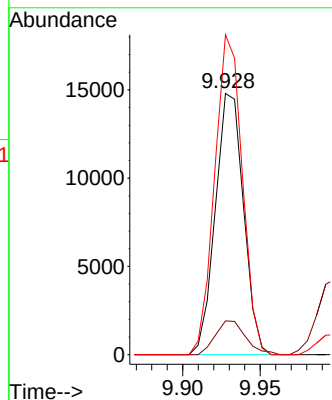
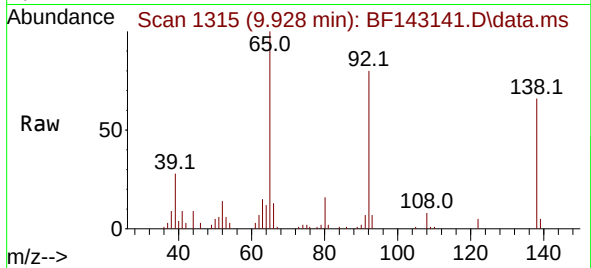




#53
3-Nitroaniline
Concen: 4.587 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

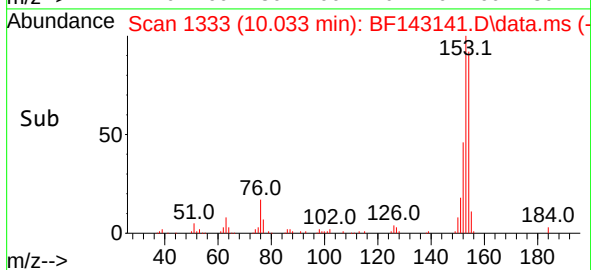
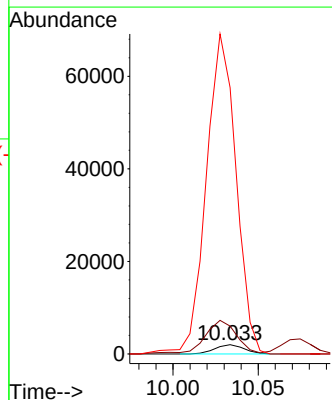
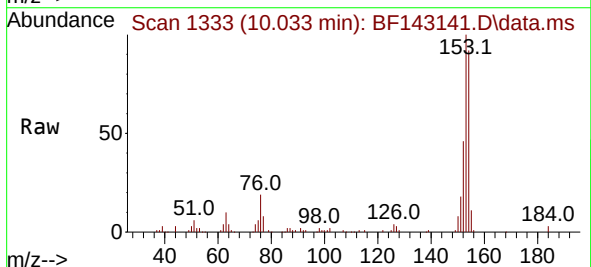
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

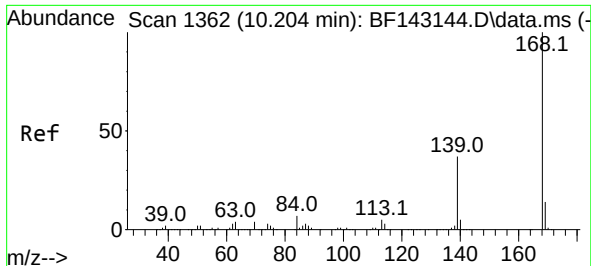
Tgt Ion:138 Resp: 18738
Ion Ratio Lower Upper
138 100
108 12.9 9.0 13.6
92 122.5 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 8.047 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:184 Resp: 2389
Ion Ratio Lower Upper
184 100
63 298.3 81.8 122.6#
154 2856.8 412.2 618.4#

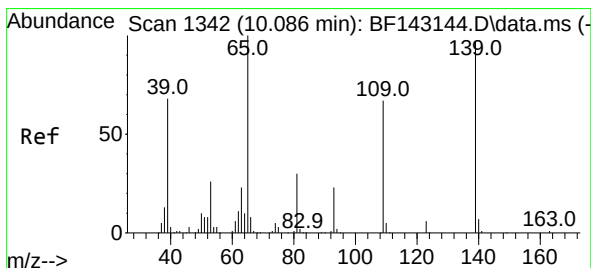
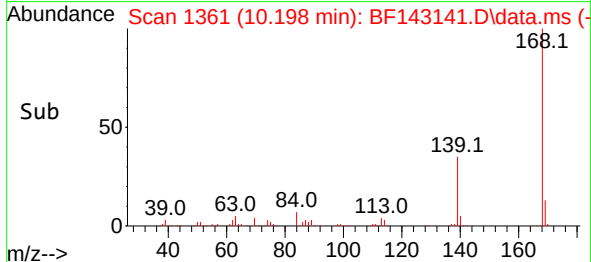
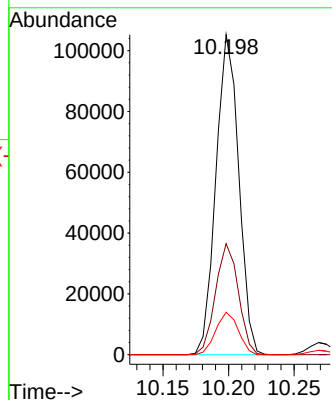
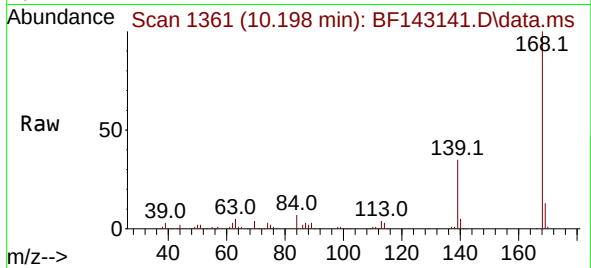




#55
Dibenzenofuran
Concen: 5.681 ng
RT: 10.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

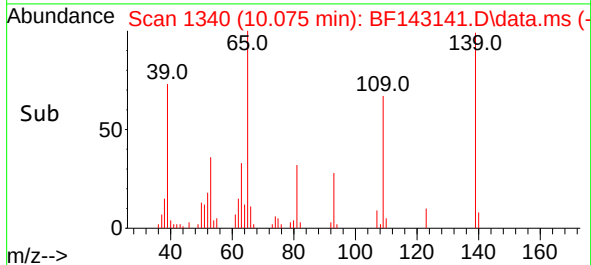
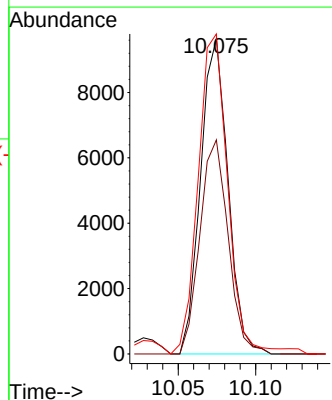
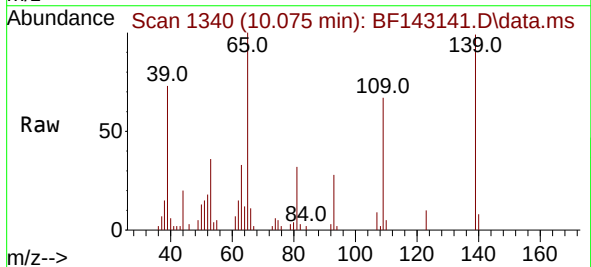
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

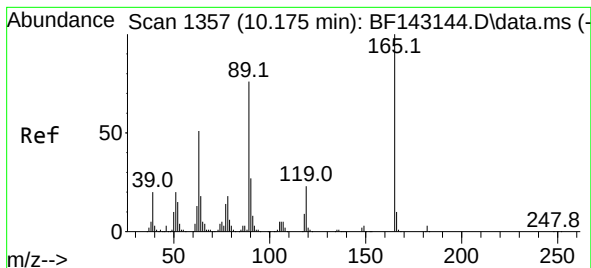
Tgt Ion:168 Resp: 127035
Ion Ratio Lower Upper
168 100
139 34.7 29.5 44.3
169 13.3 10.9 16.3



#56
4-Nitrophenol
Concen: 3.899 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:139 Resp: 11894
Ion Ratio Lower Upper
139 100
109 67.9 48.5 88.5
65 101.5 83.4 123.4

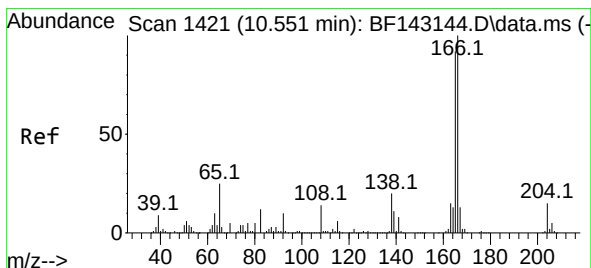
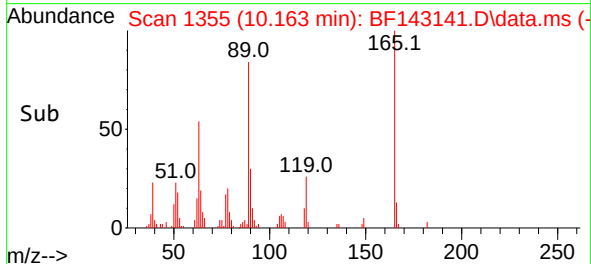
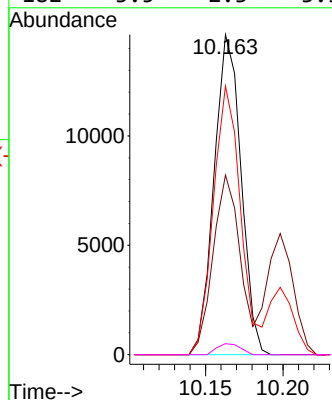
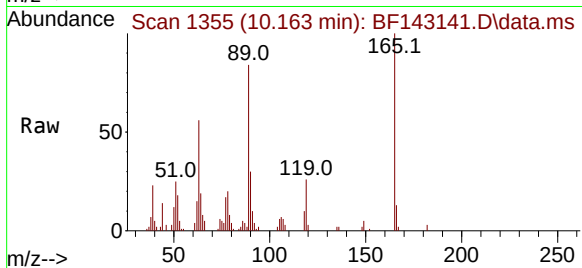




#57
2,4-Dinitrotoluene
Concen: 4.041 ng
RT: 10.163 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

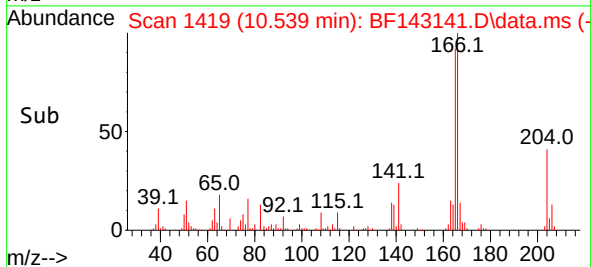
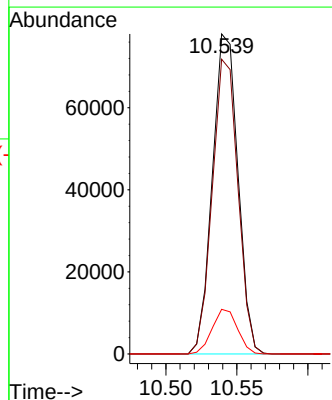
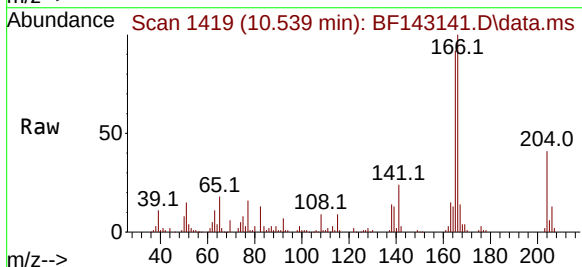
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

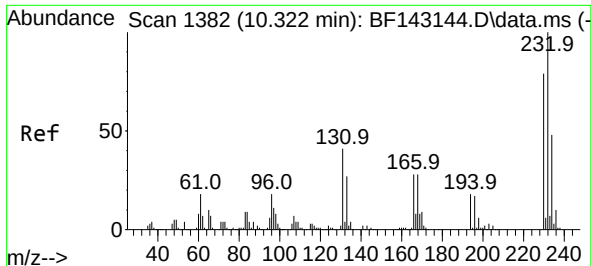
Tgt Ion:165 Resp: 17709
Ion Ratio Lower Upper
165 100
63 56.1 41.0 61.4
89 83.9 61.1 91.7
182 3.5 2.3 3.5



#58
Fluorene
Concen: 5.808 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:166 Resp: 97477
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 14.0 10.6 16.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.840 ng

RT: 10.316 min Scan# 1381

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:232 Resp: 21108

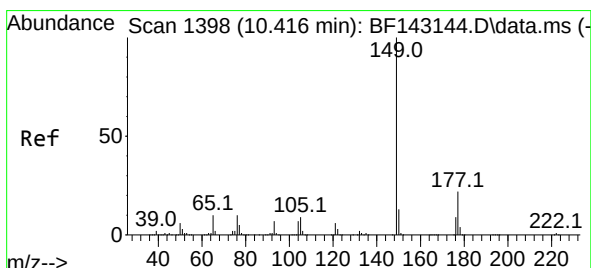
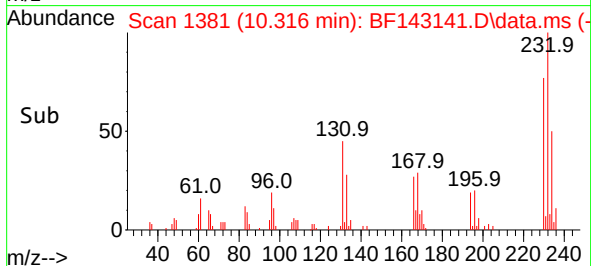
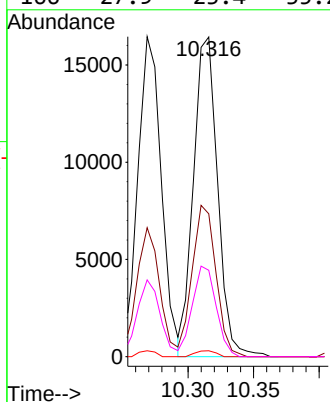
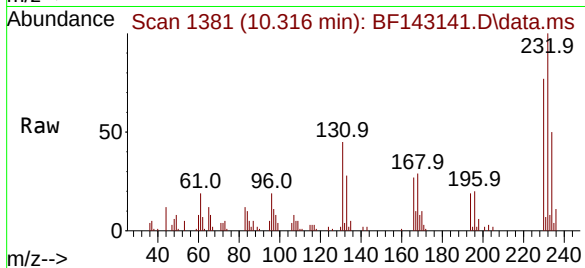
Ion Ratio Lower Upper

232 100

131 46.6 35.3 52.9

130 1.6 1.7 2.5#

166 27.9 23.4 35.2



#60

Diethylphthalate

Concen: 5.342 ng

RT: 10.404 min Scan# 1396

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

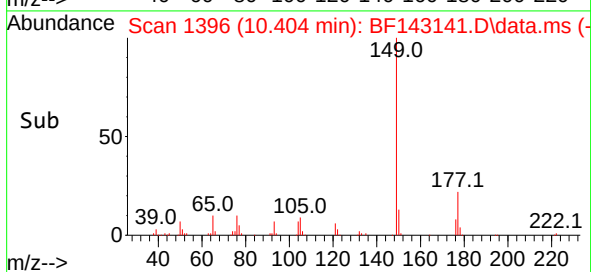
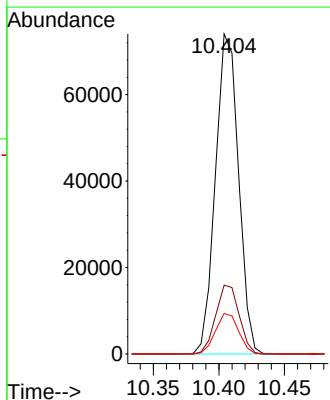
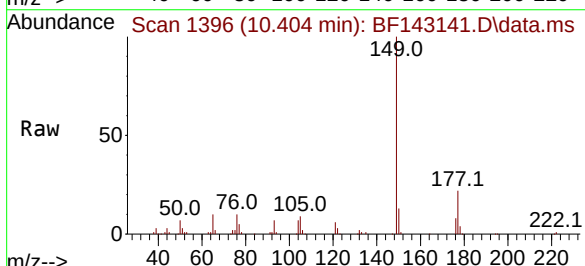
Tgt Ion:149 Resp: 90651

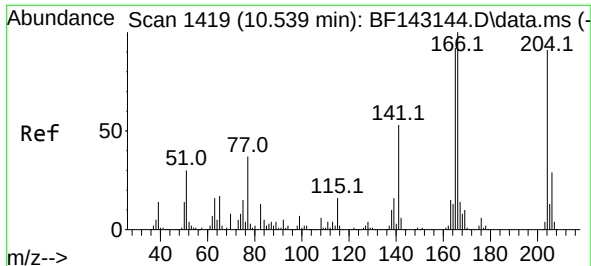
Ion Ratio Lower Upper

149 100

177 21.5 17.5 26.3

150 12.7 10.2 15.2

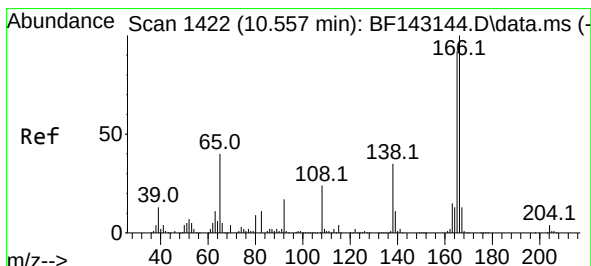
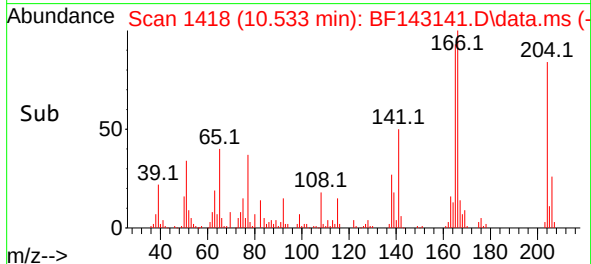
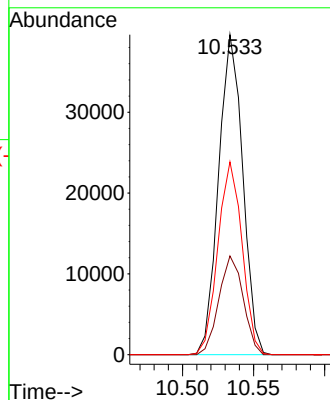
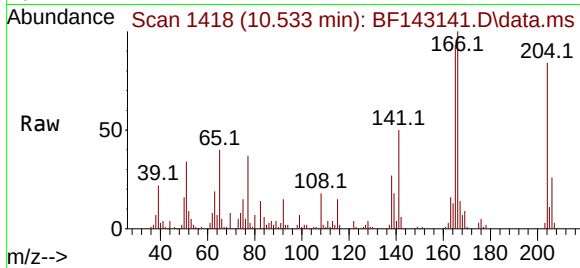




#61
4-Chlorophenyl-phenylether
Concen: 5.594 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

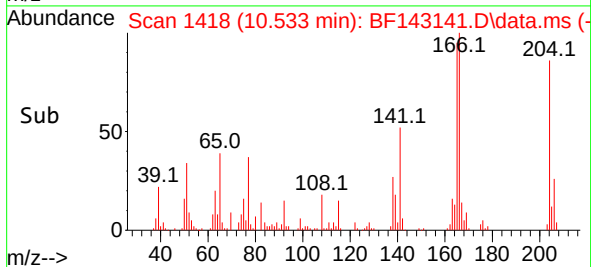
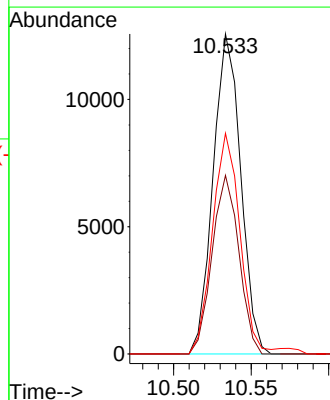
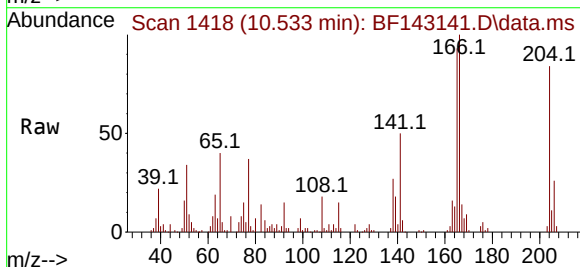
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

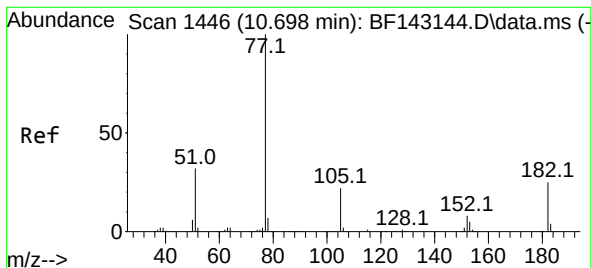
Tgt Ion:204 Resp: 46747
Ion Ratio Lower Upper
204 100
206 30.8 25.8 38.8
141 60.2 47.0 70.4



#62
4-Nitroaniline
Concen: 4.446 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:138 Resp: 15568
Ion Ratio Lower Upper
138 100
92 55.8 29.3 69.3
108 68.9 48.3 88.3





#63

Azobenzene

Concen: 5.405 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 77 Resp: 95602

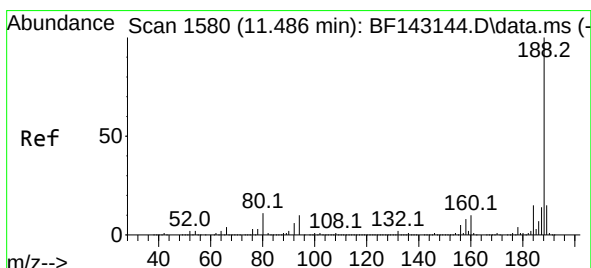
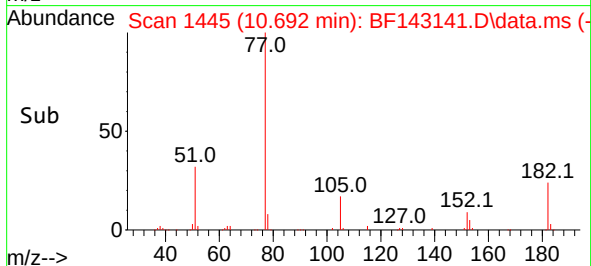
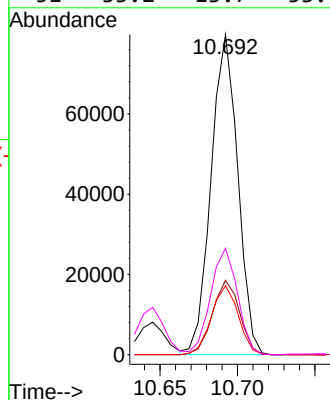
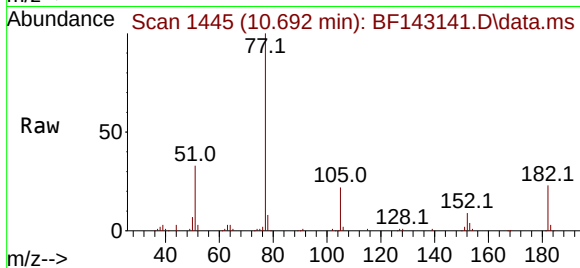
Ion Ratio Lower Upper

77 100

182 23.2 4.6 44.6

105 21.5 1.4 41.4

51 33.2 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

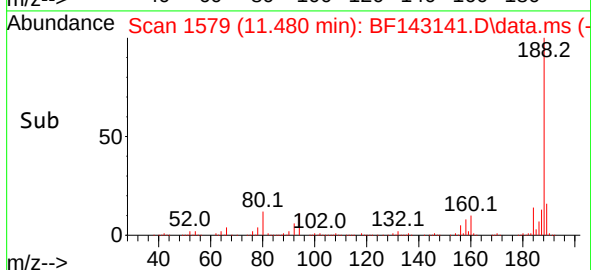
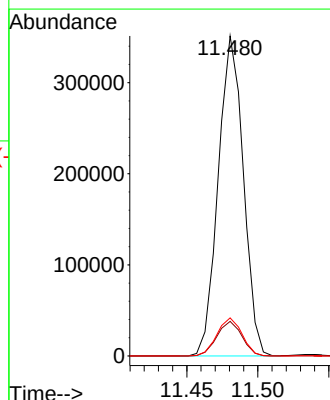
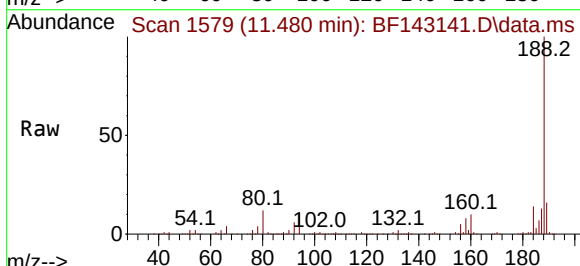
Tgt Ion:188 Resp: 432329

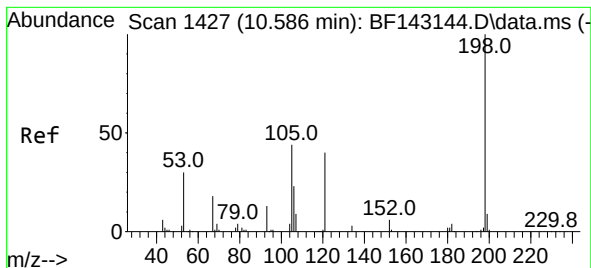
Ion Ratio Lower Upper

188 100

94 10.8 8.3 12.5

80 11.9 9.0 13.6

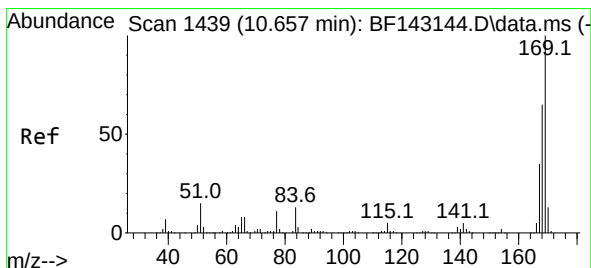
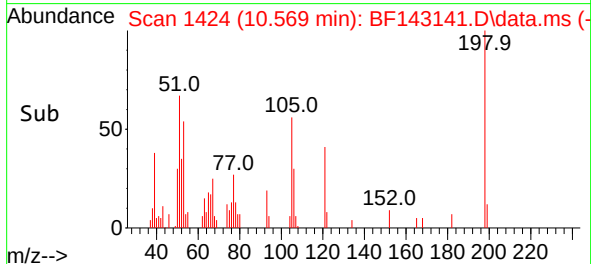
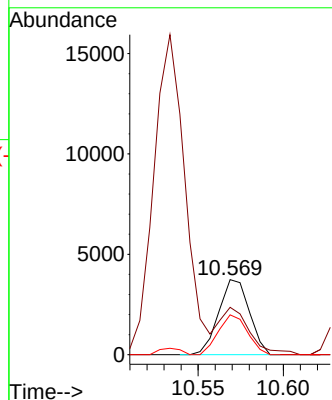
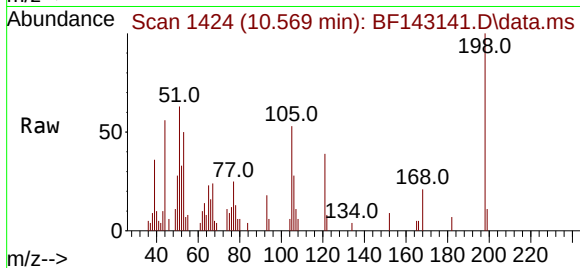




#65
4,6-Dinitro-2-methylphenol
Concen: 7.249 ng
RT: 10.569 min Scan# 1424
Delta R.T. -0.017 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

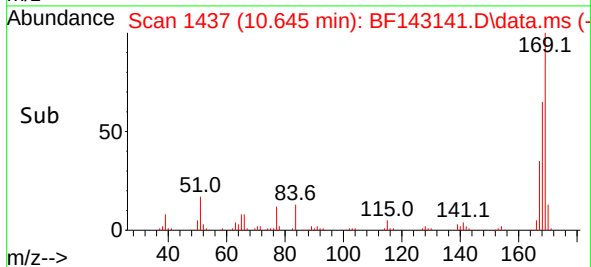
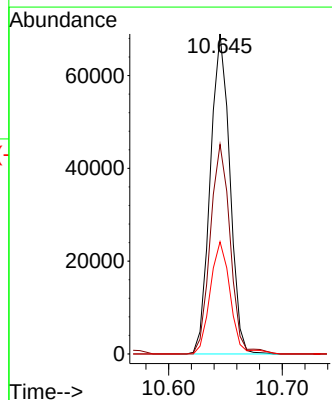
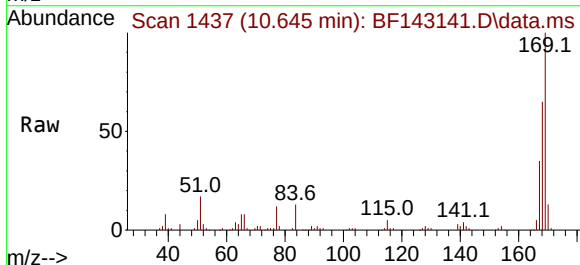
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

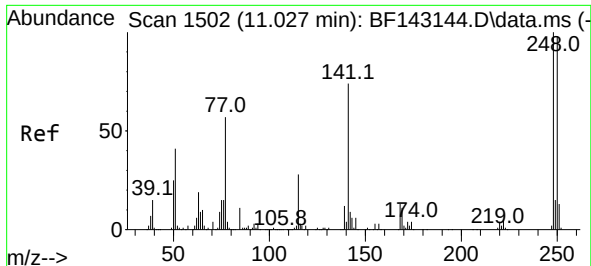
Tgt Ion:198 Resp: 4692
Ion Ratio Lower Upper
198 100
51 63.1 37.2 77.2
105 53.0 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 5.405 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:169 Resp: 82281
Ion Ratio Lower Upper
169 100
168 65.5 52.1 78.1
167 35.1 28.2 42.2

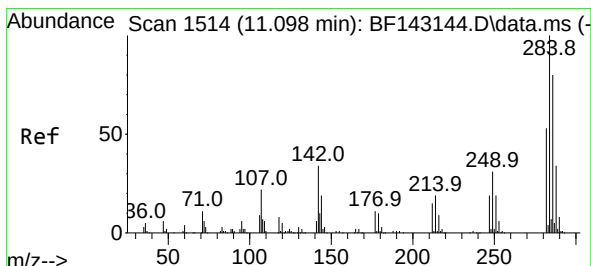
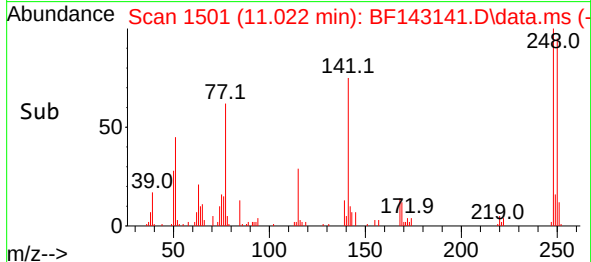
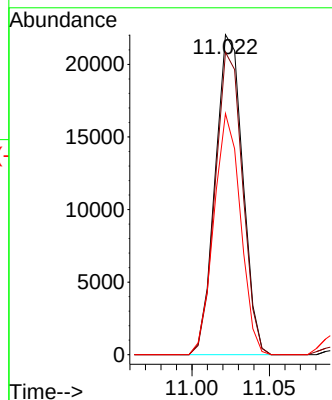
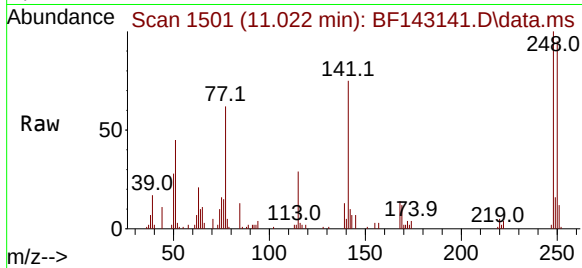




#67
4-Bromophenyl-phenylether
Concen: 5.291 ng
RT: 11.022 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

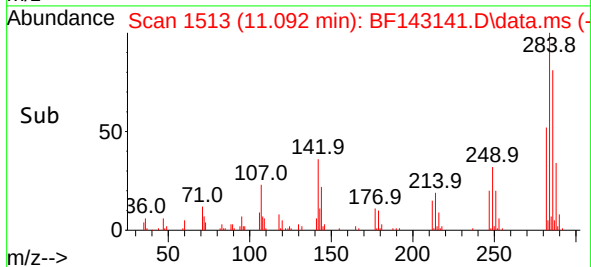
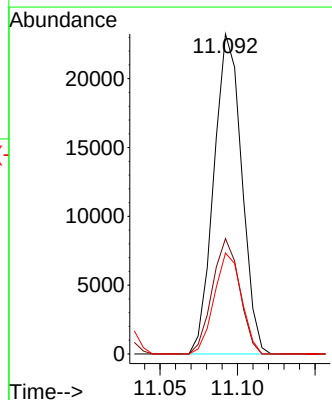
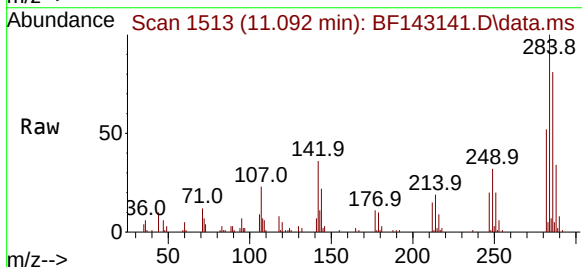
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

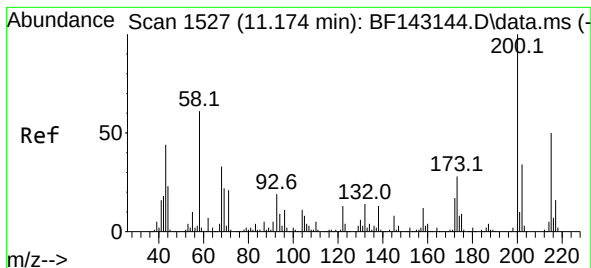
Tgt Ion:248 Resp: 27259
Ion Ratio Lower Upper
248 100
250 94.5 78.3 117.5
141 75.4 59.2 88.8



#68
Hexachlorobenzene
Concen: 5.395 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:284 Resp: 29052
Ion Ratio Lower Upper
284 100
142 36.1 27.0 40.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 4.733 ng

RT: 11.169 min Scan# 1526

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

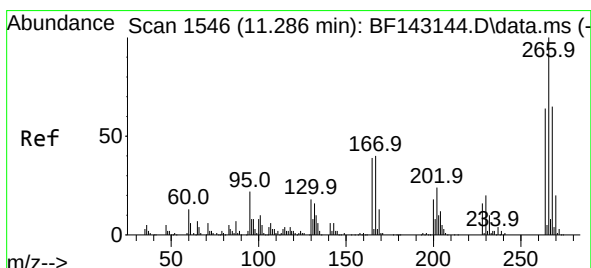
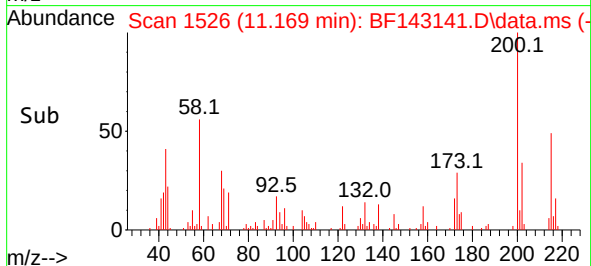
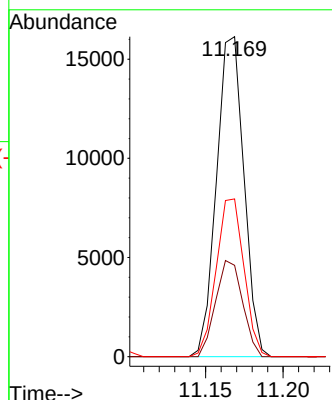
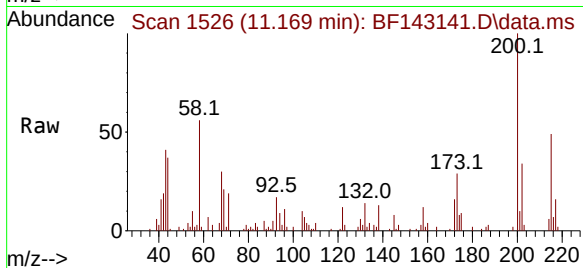
Tgt Ion:200 Resp: 19865

Ion Ratio Lower Upper

200 100

173 28.5 7.9 47.9

215 49.3 30.1 70.1



#70

Pentachlorophenol

Concen: 3.566 ng

RT: 11.280 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

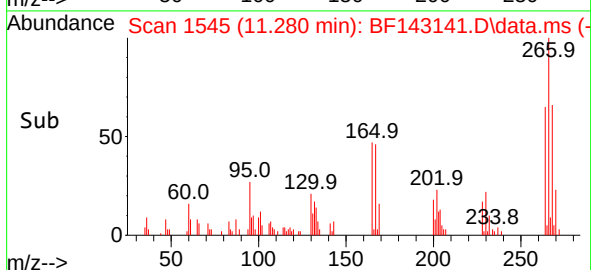
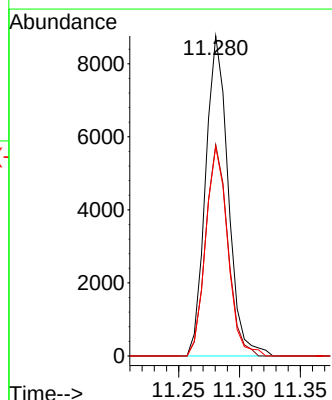
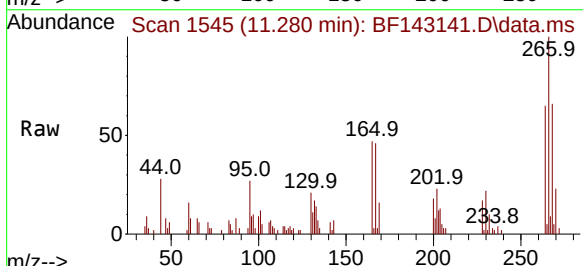
Tgt Ion:266 Resp: 11294

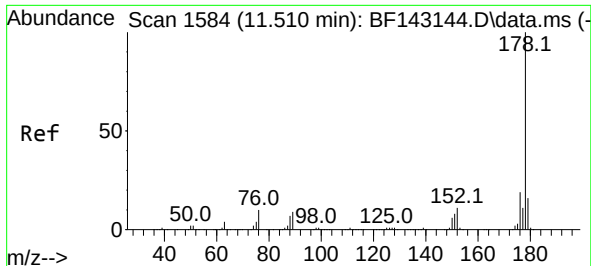
Ion Ratio Lower Upper

266 100

268 66.0 51.9 77.9

264 65.4 51.0 76.6

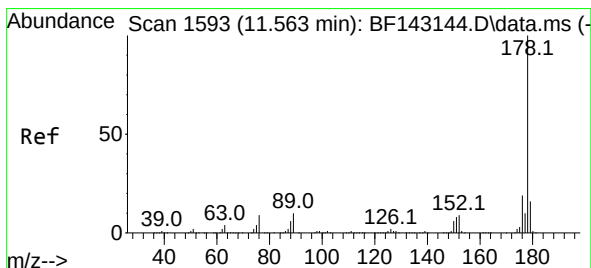
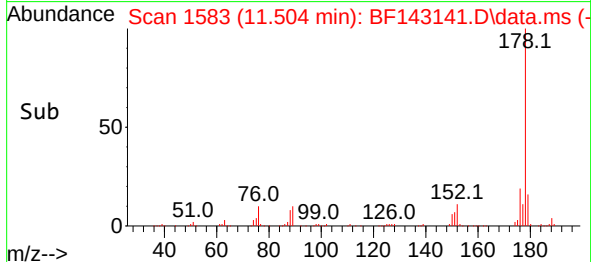
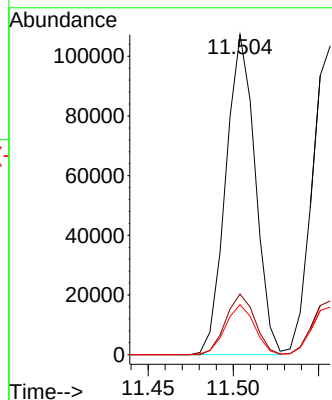
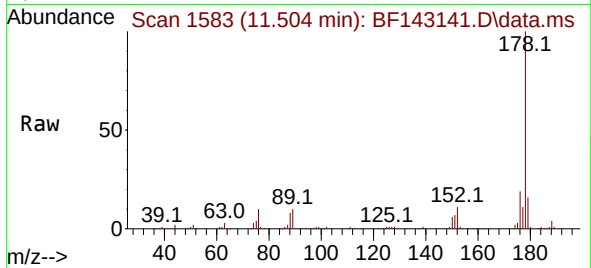




#71
Phenanthrene
Concen: 5.609 ng
RT: 11.504 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

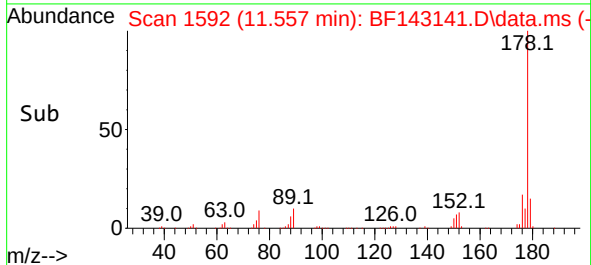
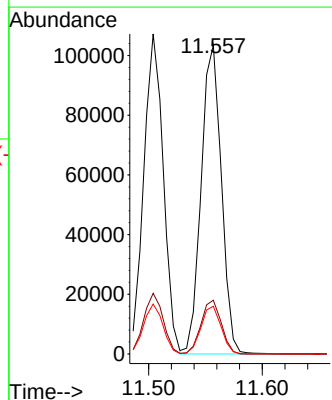
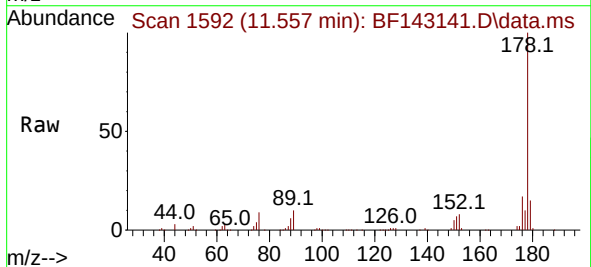
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

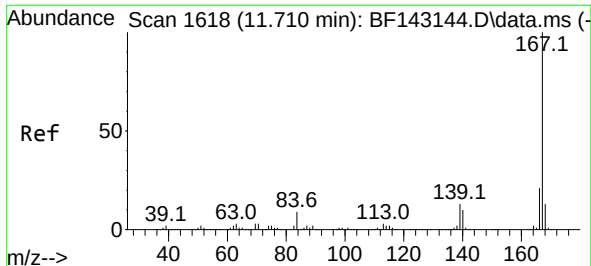
Tgt Ion:178 Resp: 128762
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 5.465 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:178 Resp: 127938
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.4
179 15.4 12.5 18.7

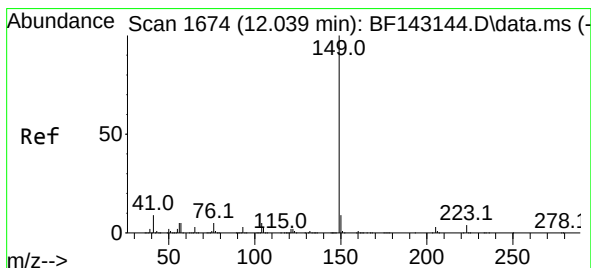
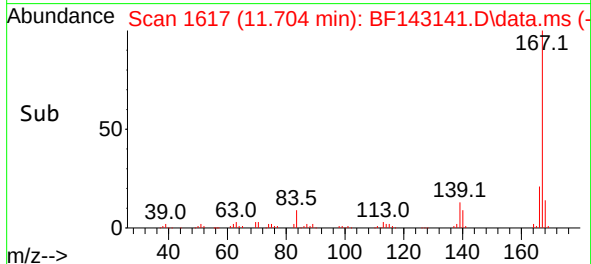
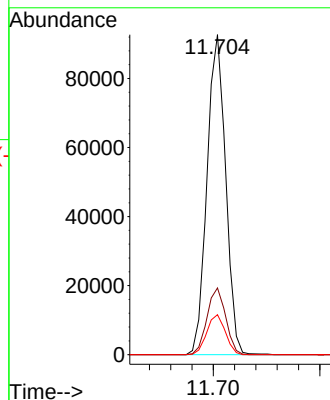
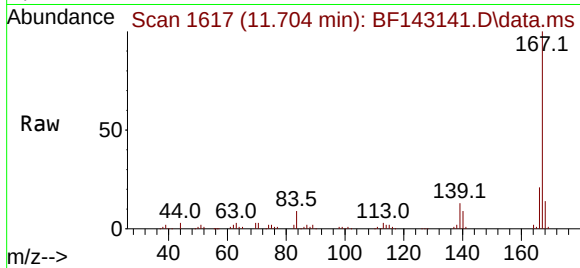




#73
 Carbazole
 Concen: 5.507 ng
 RT: 11.704 min Scan# 1617
 Delta R.T. -0.006 min
 Lab File: BF143141.D
 Acq: 17 Jul 2025 11:34

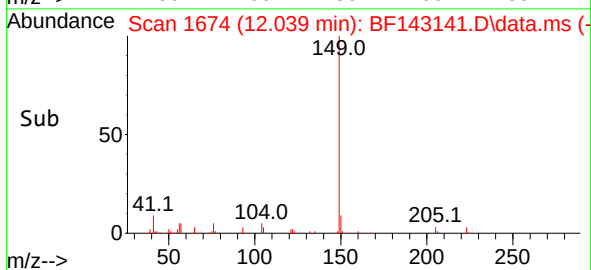
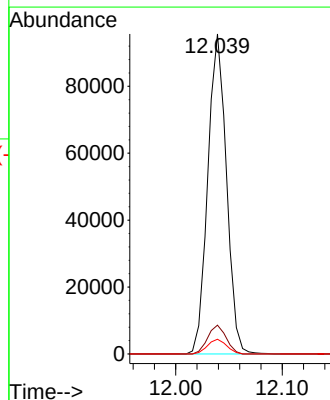
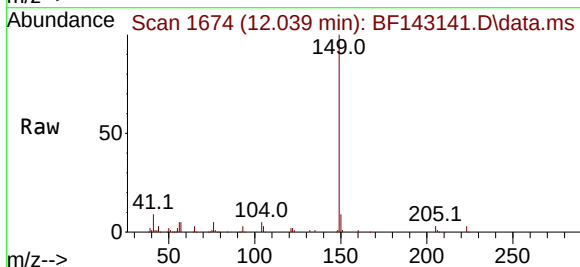
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

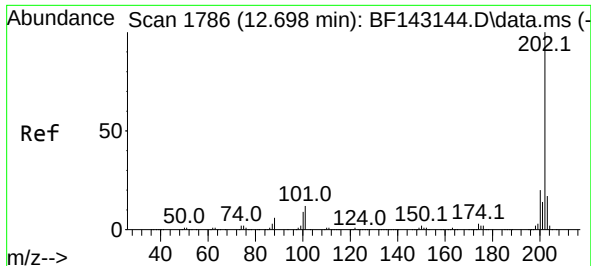
Tgt Ion:167 Resp: 112588
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.0 25.6
 139 12.5 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 5.027 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143141.D
 Acq: 17 Jul 2025 11:34

Tgt Ion:149 Resp: 116291
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 4.6 3.8 5.8

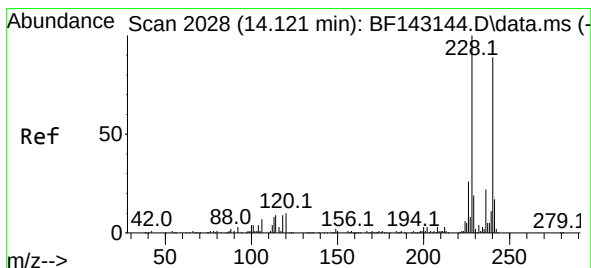
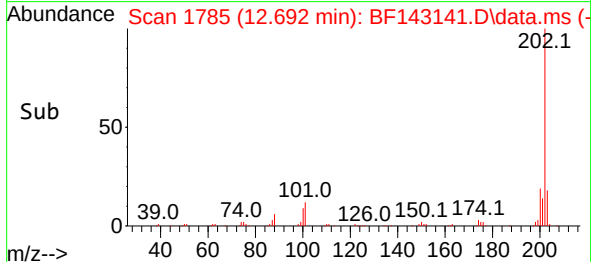
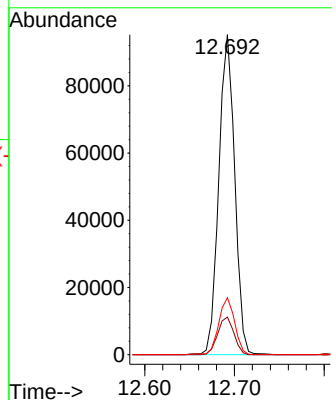
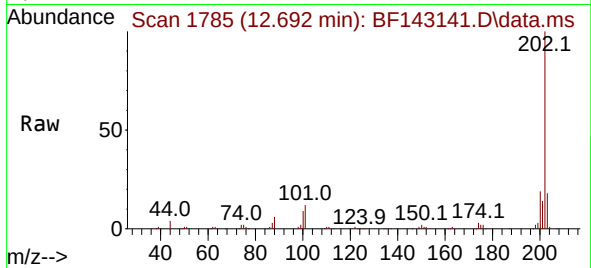




#75
Fluoranthene
Concen: 5.565 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

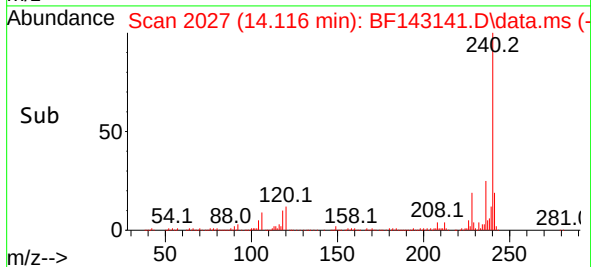
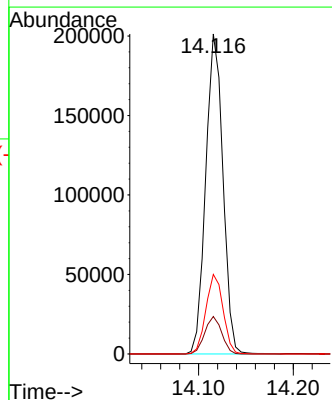
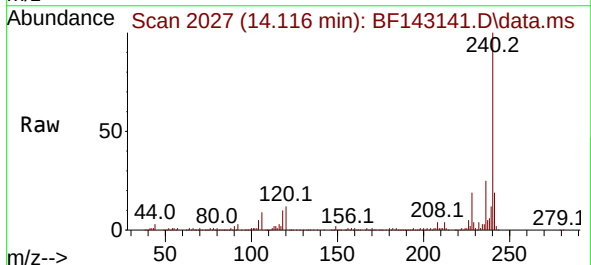
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

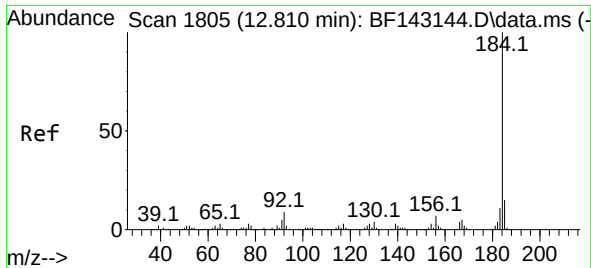
Tgt Ion:202 Resp: 117249
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:240 Resp: 253004
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 24.9 20.2 30.4

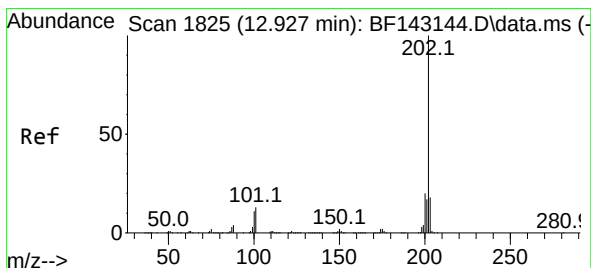
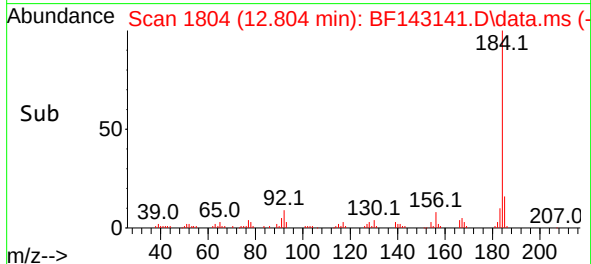
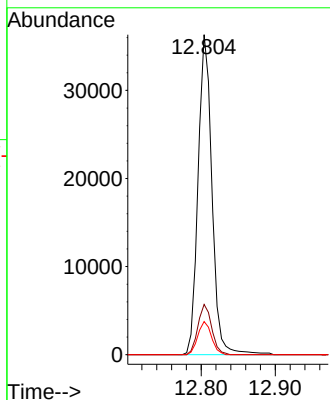
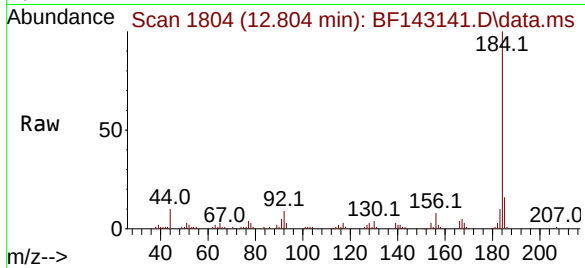




#77
Benzidine
Concen: 4.846 ng
RT: 12.804 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

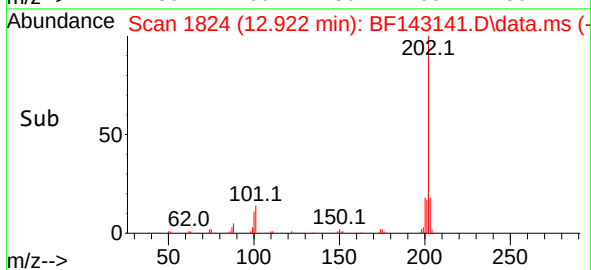
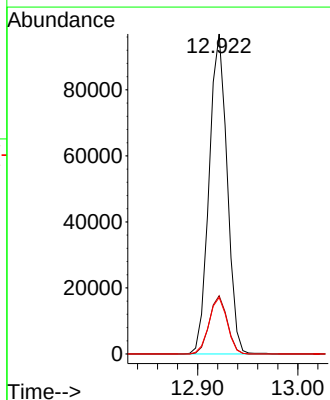
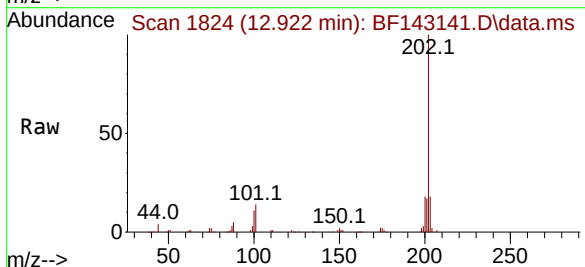
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

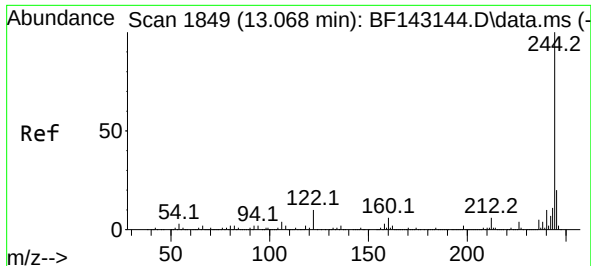
Tgt Ion:184 Resp: 47236
Ion Ratio Lower Upper
184 100
185 15.7 12.2 18.4
183 10.4 9.0 13.4



#78
Pyrene
Concen: 5.593 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:202 Resp: 120767
Ion Ratio Lower Upper
202 100
200 18.2 15.7 23.5
203 17.6 14.2 21.2

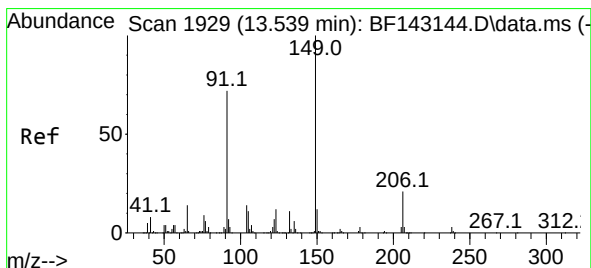
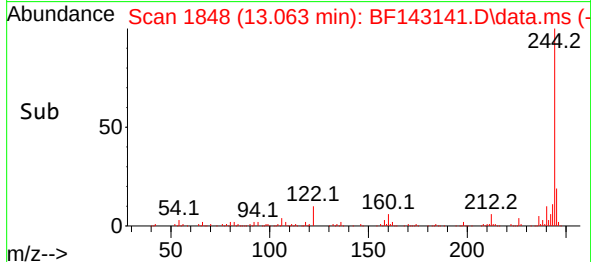
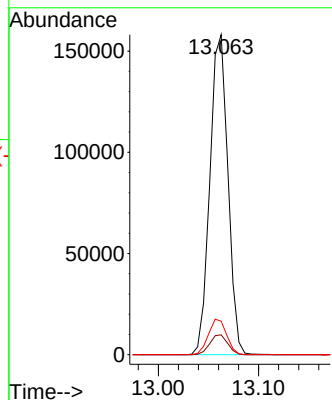
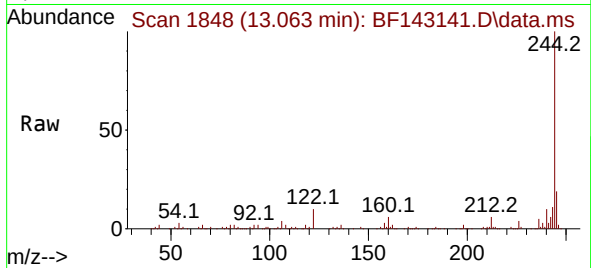




#79
 Terphenyl-d14
 Concen: 11.656 ng
 RT: 13.063 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF143141.D
 Acq: 17 Jul 2025 11:34

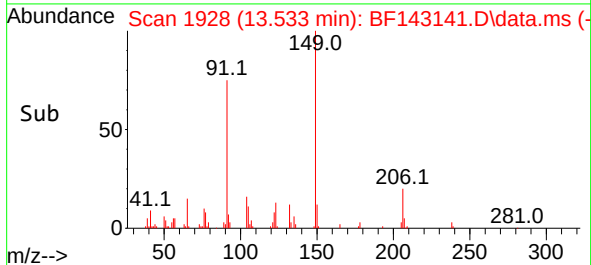
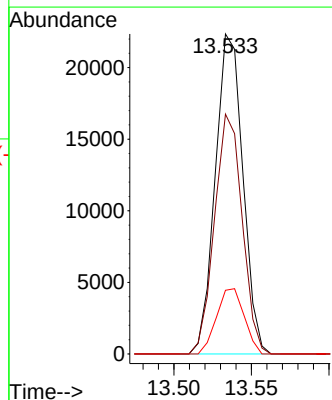
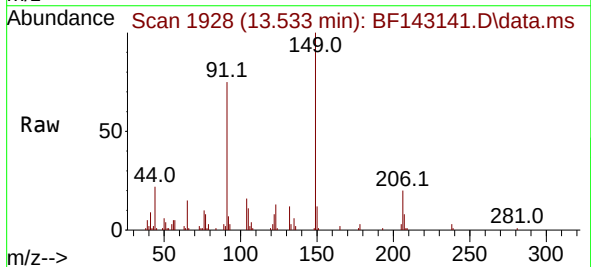
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

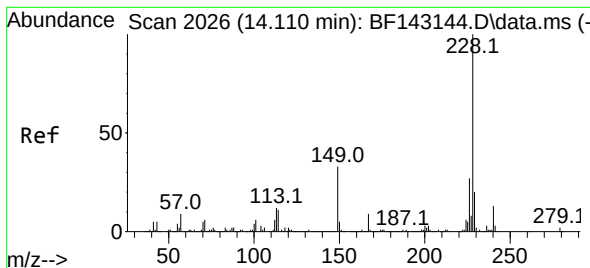
Tgt Ion:244 Resp: 198167
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.2 7.8
 122 10.5 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 4.189 ng
 RT: 13.533 min Scan# 1928
 Delta R.T. -0.006 min
 Lab File: BF143141.D
 Acq: 17 Jul 2025 11:34

Tgt Ion:149 Resp: 27699
 Ion Ratio Lower Upper
 149 100
 91 74.9 57.9 86.9
 206 19.9 17.0 25.4





#81

Benzo(a)anthracene

Concen: 5.131 ng

RT: 14.104 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

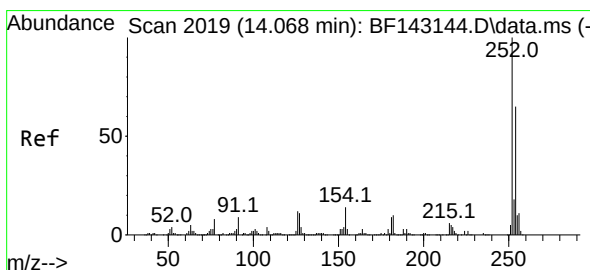
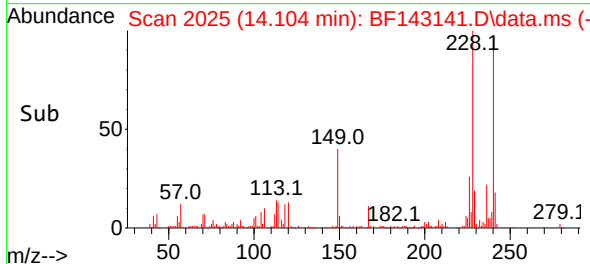
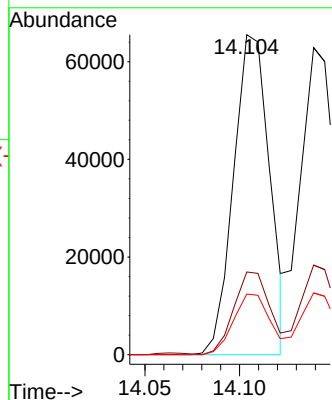
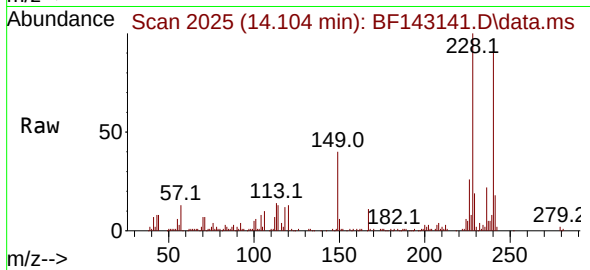
Tgt Ion:228 Resp: 86920

Ion Ratio Lower Upper

228 100

226 25.8 21.7 32.5

229 19.0 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 4.675 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

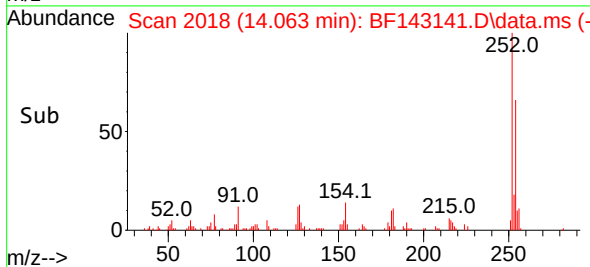
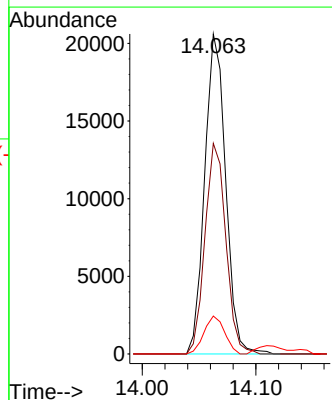
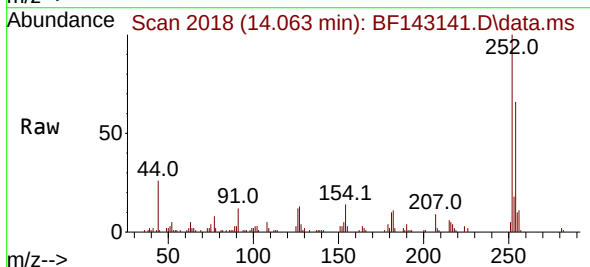
Tgt Ion:252 Resp: 26392

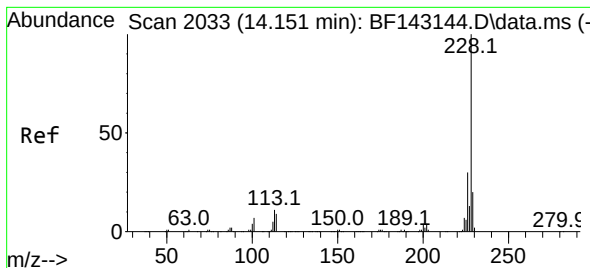
Ion Ratio Lower Upper

252 100

254 65.8 51.7 77.5

126 11.9 9.4 14.0





#83

Chrysene

Concen: 5.325 ng

RT: 14.139 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

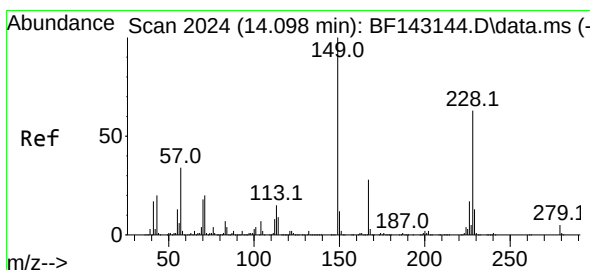
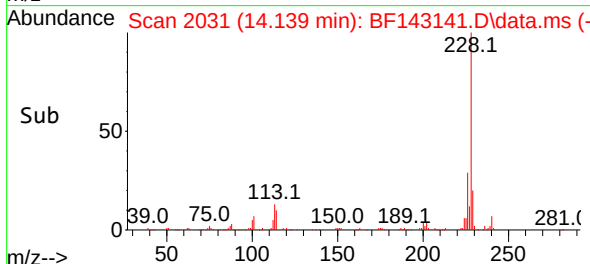
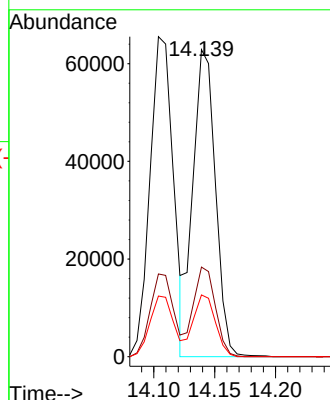
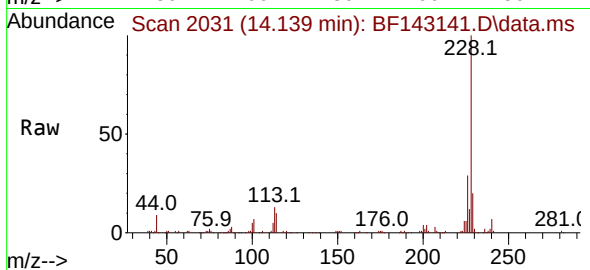
Tgt Ion:228 Resp: 81091

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.8

229 20.1 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.370 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

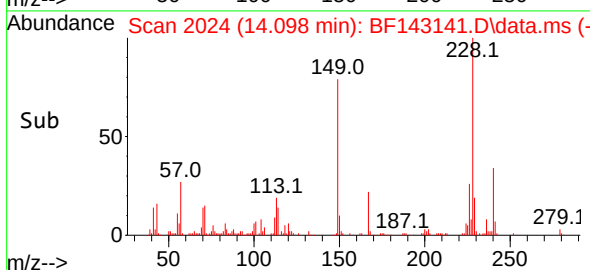
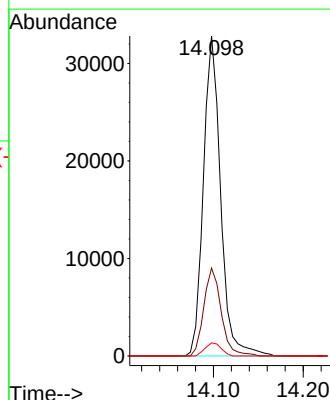
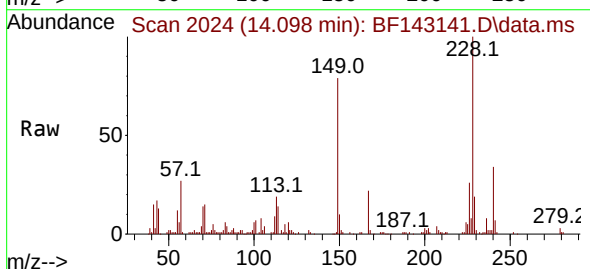
Tgt Ion:149 Resp: 43732

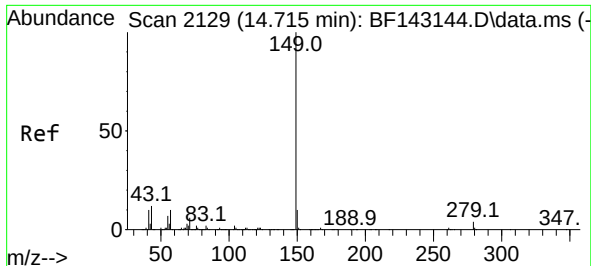
Ion Ratio Lower Upper

149 100

167 27.5 22.3 33.5

279 4.1 3.6 5.4

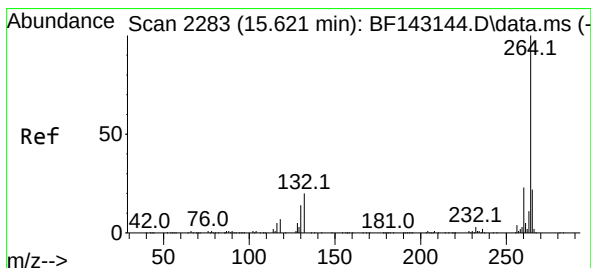
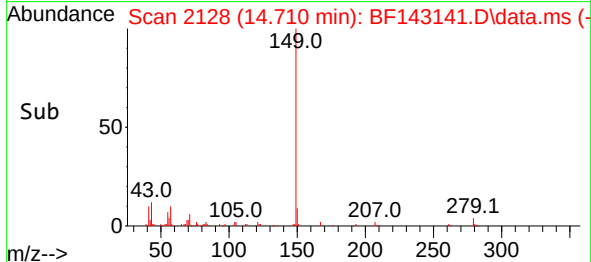
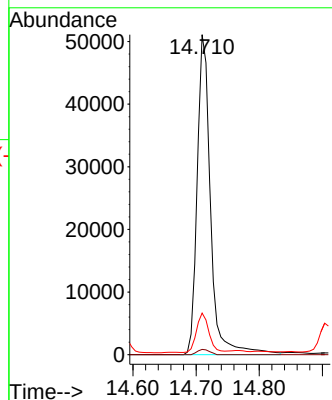
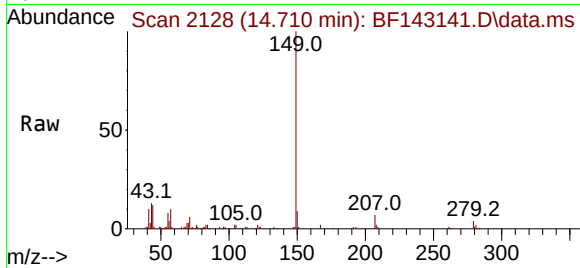




#85
Di-n-octyl phthalate
Concen: 4.147 ng
RT: 14.710 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

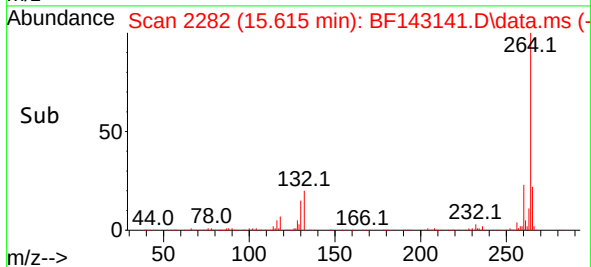
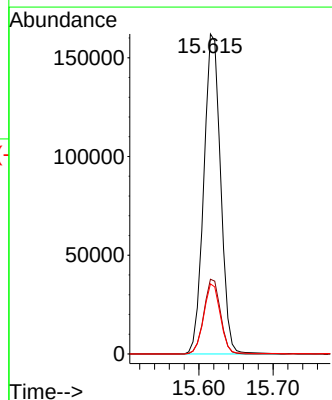
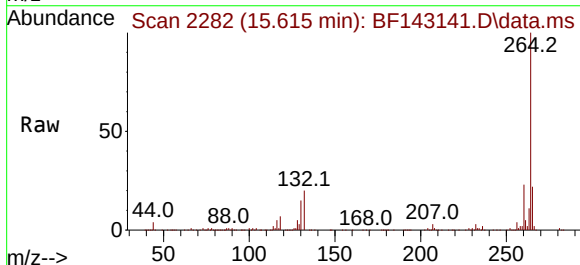
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

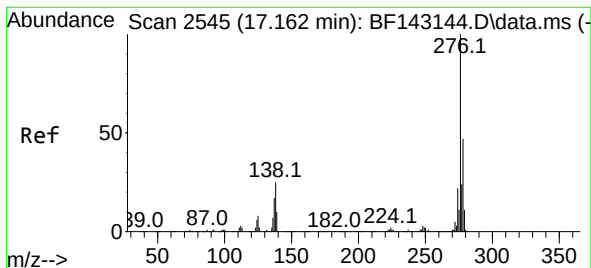
Tgt Ion:149 Resp: 75225
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.3 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:264 Resp: 255898
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.047 ng

RT: 17.139 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

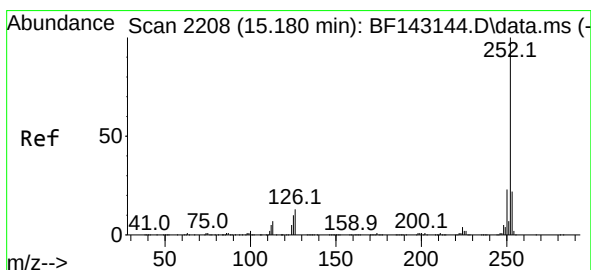
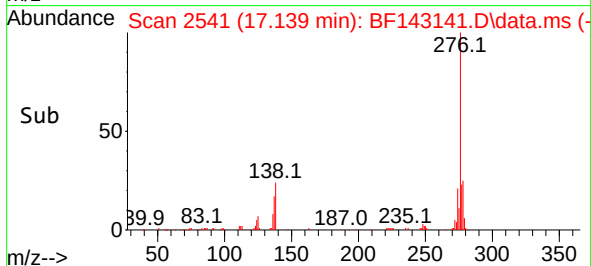
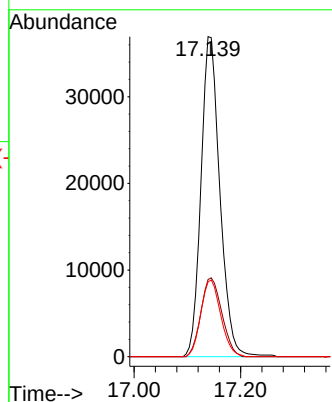
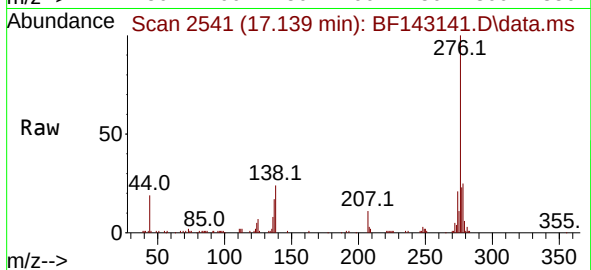
Tgt Ion:276 Resp: 91076

Ion Ratio Lower Upper

276 100

138 27.2 21.8 32.6

277 25.2 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 5.037 ng

RT: 15.174 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

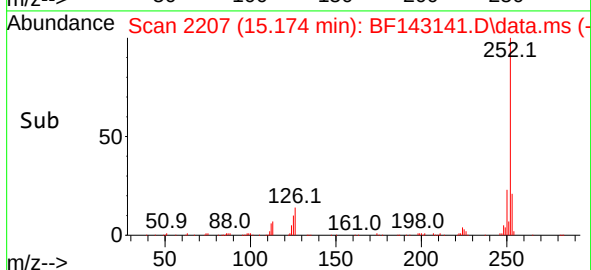
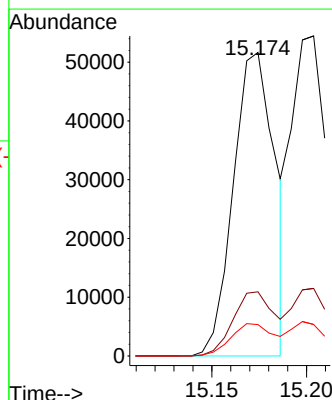
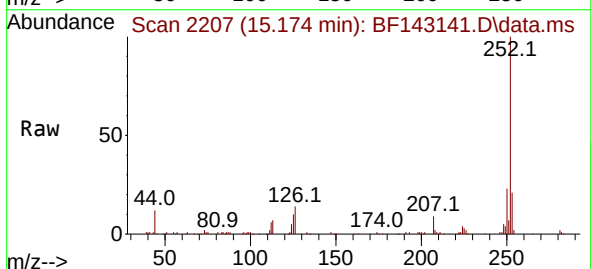
Tgt Ion:252 Resp: 78749

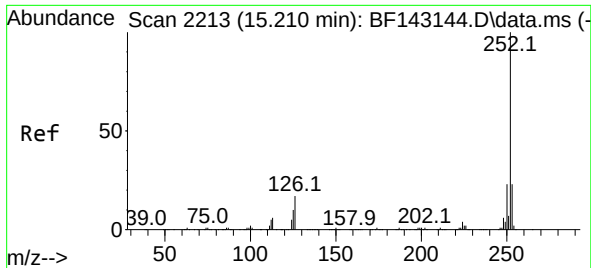
Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

125 10.3 8.0 12.0

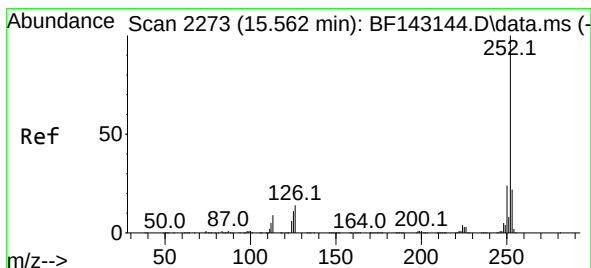
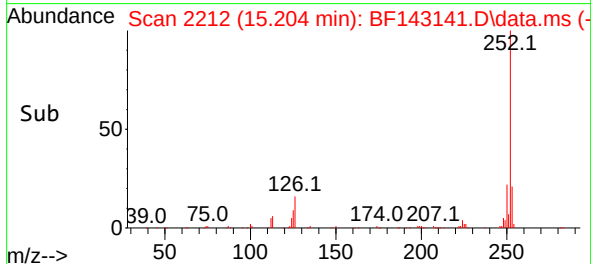
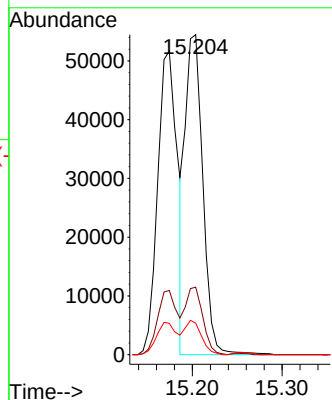
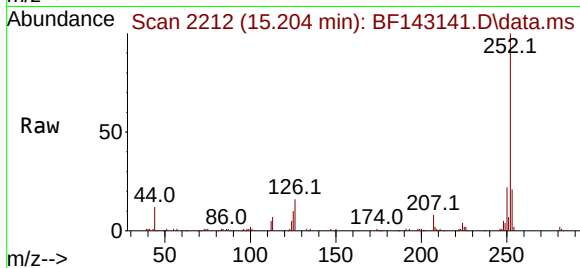




#89
Benzo(k)fluoranthene
Concen: 5.358 ng
RT: 15.204 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

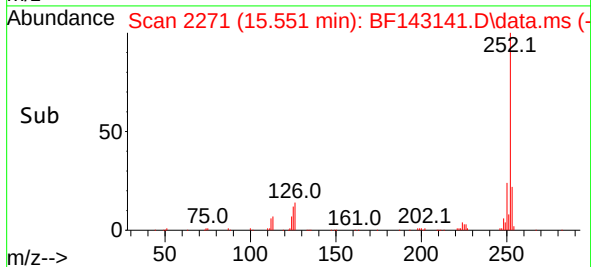
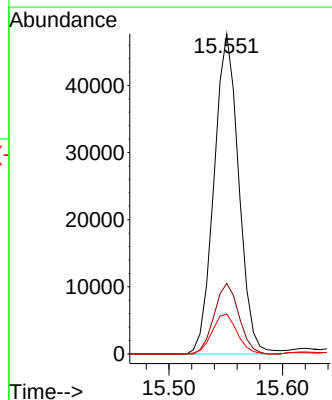
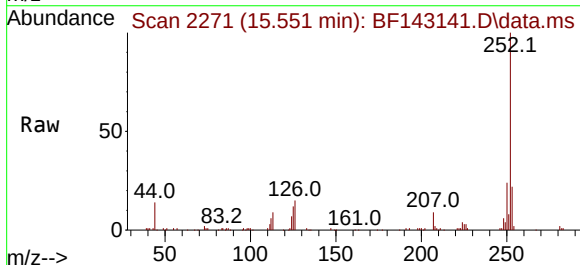
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

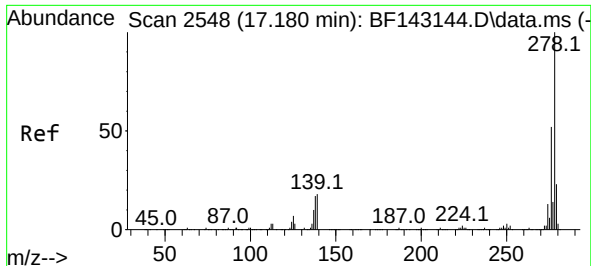
Tgt Ion:252 Resp: 74738
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.6
125 9.9 8.1 12.1



#90
Benzo(a)pyrene
Concen: 5.012 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:252 Resp: 72196
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 12.5 8.6 13.0

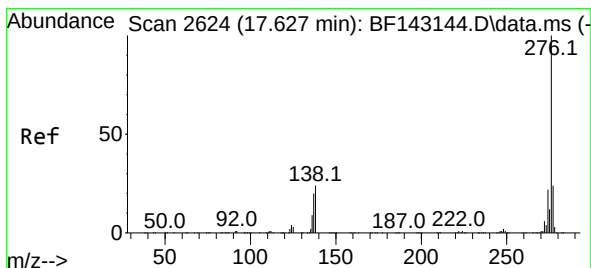
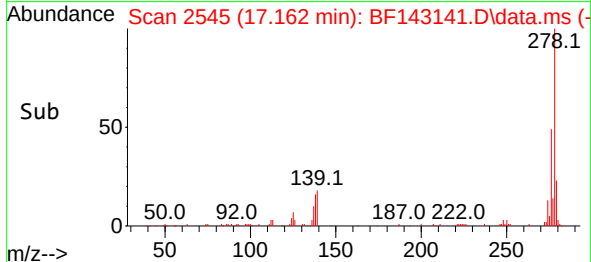
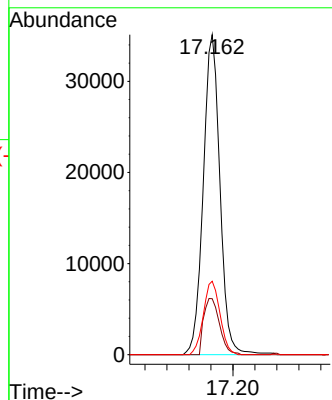
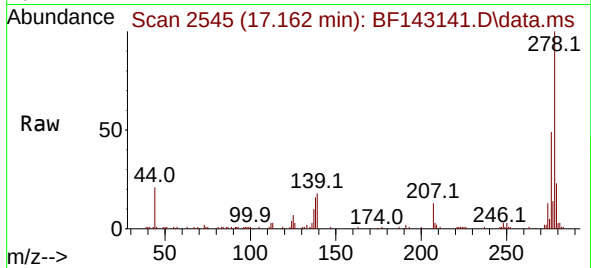




#91
Dibenzo(a,h)anthracene
Concen: 5.047 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

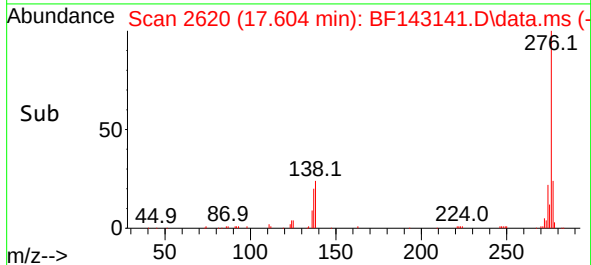
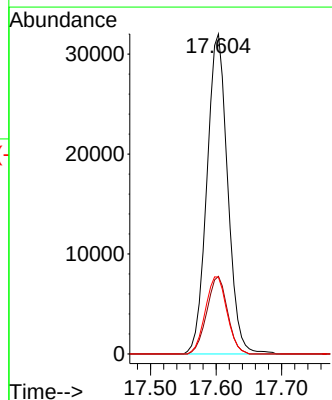
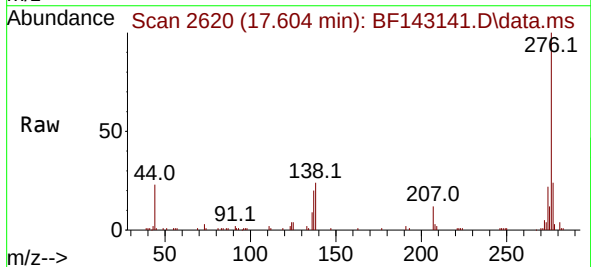
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

Tgt Ion:278 Resp: 74120
Ion Ratio Lower Upper
278 100
139 17.5 14.1 21.1
279 22.9 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 4.955 ng
RT: 17.604 min Scan# 2620
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:276 Resp: 70403
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 24.0 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143142.D
 Acq On : 17 Jul 2025 12:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Jul 17 15:01:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	140410	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	545730	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	282580	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	461255	20.000	ng	0.00
76) Chrysene-d12	14.116	240	254650	20.000	ng	0.00
86) Perylene-d12	15.621	264	273706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	184363	20.778	ng	0.00
7) Phenol-d6	6.569	99	230206	20.613	ng	-0.02
23) Nitrobenzene-d5	7.510	82	223300	20.396	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	56961	19.512	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	464669	22.489	ng	0.00
79) Terphenyl-d14	13.063	244	370808	21.669	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	40860	9.732	ng	98
3) Pyridine	3.587	79	109317	10.032	ng	100
4) n-Nitrosodimethylamine	3.510	42	54487	9.684	ng	98
6) Aniline	6.616	93	158580	10.188	ng	99
8) 2-Chlorophenol	6.740	128	94265	10.135	ng	98
9) Benzaldehyde	6.510	77	81897	9.779	ng	100
10) Phenol	6.587	94	126291	10.380	ng	96
11) bis(2-Chloroethyl)ether	6.687	93	94260	10.119	ng	99
12) 1,3-Dichlorobenzene	6.904	146	106226	10.514	ng	97
13) 1,4-Dichlorobenzene	6.981	146	106581	10.475	ng	99
14) 1,2-Dichlorobenzene	7.134	146	99226	10.253	ng	99
15) Benzyl Alcohol	7.087	79	85240	9.996	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	179226	10.371	ng	99
17) 2-Methylphenol	7.198	107	78001	9.974	ng	99
18) Hexachloroethane	7.481	117	34985	9.932	ng	99
19) n-Nitroso-di-n-propyla...	7.357	70	73815	10.302	ng	97
20) 3+4-Methylphenols	7.345	107	103018	10.858	ng	91
22) Acetophenone	7.357	105	137532	10.645	ng	# 98
24) Nitrobenzene	7.534	77	100837	9.879	ng	98
25) Isophorone	7.769	82	192895	9.981	ng	100
26) 2-Nitrophenol	7.851	139	38451	8.680	ng	96
27) 2,4-Dimethylphenol	7.881	122	92724	10.269	ng	98
28) bis(2-Chloroethoxy)met...	7.981	93	119320	10.297	ng	98
29) 2,4-Dichlorophenol	8.087	162	76847	10.091	ng	98
30) 1,2,4-Trichlorobenzene	8.181	180	83842	10.191	ng	100
31) Naphthalene	8.263	128	283107	10.534	ng	99
32) Benzoic acid	7.928	122	25309	9.564	ng	98
33) 4-Chloroaniline	8.304	127	113797	10.369	ng	100
34) Hexachlorobutadiene	8.386	225	51715	10.290	ng	99
35) Caprolactam	8.634	113	21157	9.194	ng	95
36) 4-Chloro-3-methylphenol	8.775	107	84647	10.227	ng	98
37) 2-Methylnaphthalene	8.951	142	172865	10.570	ng	100
38) 1-Methylnaphthalene	9.051	142	177917	10.564	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	84494	10.357	ng	99
41) Hexachlorocyclopentadiene	9.116	237	47577	8.963	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	57396	10.165	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143142.D
 Acq On : 17 Jul 2025 12:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

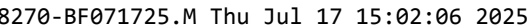
Instrument :
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 ClientSampleId :
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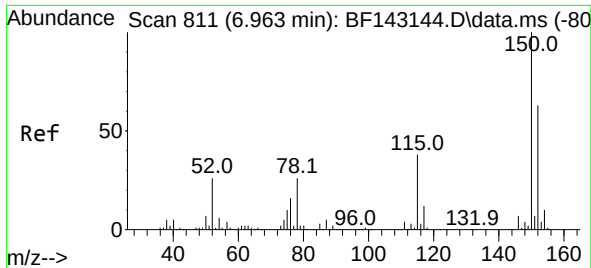
Quant Time: Jul 17 15:01:54 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.257	196	54716	9.688	ng	97
46) 1,1'-Biphenyl	9.416	154	235467	10.680	ng	100
47) 2-Chloronaphthalene	9.439	162	172831	10.595	ng	98
48) 2-Nitroaniline	9.528	65	47055	9.198	ng	99
49) Acenaphthylene	9.857	152	289989	10.607	ng	98
50) Dimethylphthalate	9.704	163	189399	10.283	ng	99
51) 2,6-Dinitrotoluene	9.763	165	35364	9.438	ng	93
52) Acenaphthene	10.028	154	168698	10.440	ng	99
53) 3-Nitroaniline	9.933	138	42367	9.667	ng	97
54) 2,4-Dinitrophenol	10.033	184	7147	10.522	ng	# 1
55) Dibenzofuran	10.198	168	255272	10.641	ng	99
56) 4-Nitrophenol	10.075	139	28233	8.627	ng	98
57) 2,4-Dinitrotoluene	10.169	165	41815	8.895	ng	98
58) Fluorene	10.545	166	198041	10.999	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	46720	9.986	ng	99
60) Diethylphthalate	10.410	149	186802	10.261	ng	99
61) 4-Chlorophenyl-phenyle...	10.533	204	94685	10.561	ng	97
62) 4-Nitroaniline	10.539	138	35962	9.574	ng	98
63) Azobenzene	10.692	77	197998	10.435	ng	99
65) 4,6-Dinitro-2-methylph...	10.575	198	12541	10.014	ng	94
66) n-Nitrosodiphenylamine	10.645	169	167901	10.337	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	54849	9.978	ng	97
68) Hexachlorobenzene	11.092	284	57305	9.974	ng	97
69) Atrazine	11.169	200	43045	9.613	ng	98
70) Pentachlorophenol	11.280	266	27529	8.148	ng	99
71) Phenanthrene	11.504	178	253750	10.361	ng	99
72) Anthracene	11.557	178	261960	10.487	ng	99
73) Carbazole	11.704	167	223376	10.241	ng	100
74) Di-n-butylphthalate	12.039	149	243142	9.852	ng	100
75) Fluoranthene	12.692	202	227701	10.129	ng	99
77) Benzidine	12.804	184	96484	9.834	ng	99
78) Pyrene	12.922	202	227008	10.445	ng	100
80) Butylbenzylphthalate	13.539	149	60055	9.024	ng	98
81) Benzo(a)anthracene	14.110	228	174020	10.207	ng	99
82) 3,3'-Dichlorobenzidine	14.063	252	55694	9.802	ng	97
83) Chrysene	14.145	228	149446	9.750	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	96191	9.549	ng	97
85) Di-n-octyl phthalate	14.710	149	162156	8.881	ng	99
87) Indeno(1,2,3-cd)pyrene	17.145	276	182869	9.475	ng	99
88) Benzo(b)fluoranthene	15.174	252	155430	9.296	ng	99
89) Benzo(k)fluoranthene	15.204	252	157663	10.567	ng	100
90) Benzo(a)pyrene	15.551	252	150853	9.792	ng	99
91) Dibenzo(a,h)anthracene	17.162	278	150977	9.611	ng	100
92) Benzo(g,h,i)perylene	17.609	276	143342	9.433	ng	99

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

Quant Time: Jul 17 15:01:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

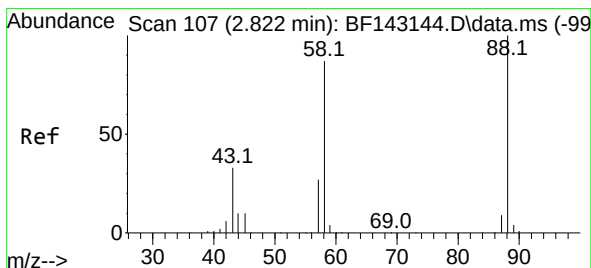
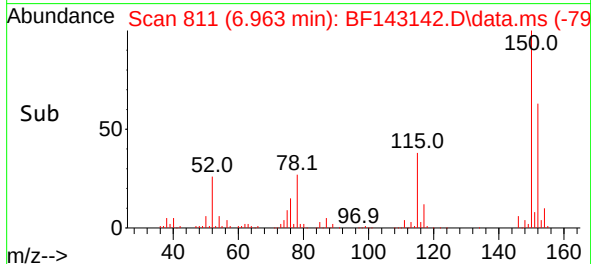
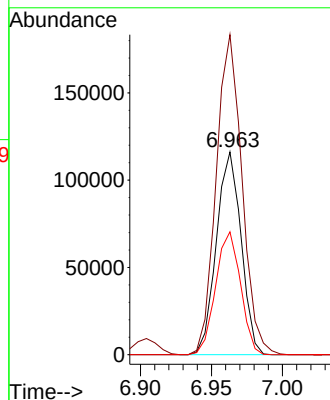
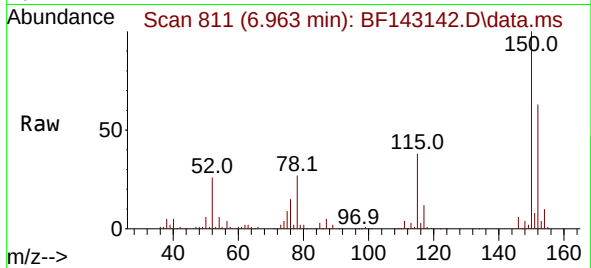




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

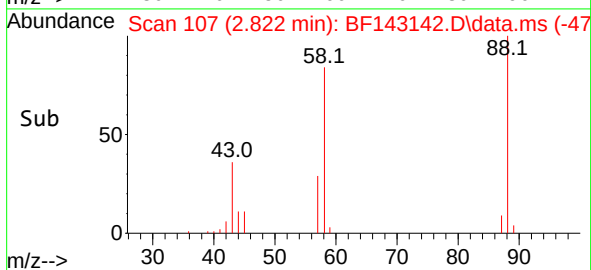
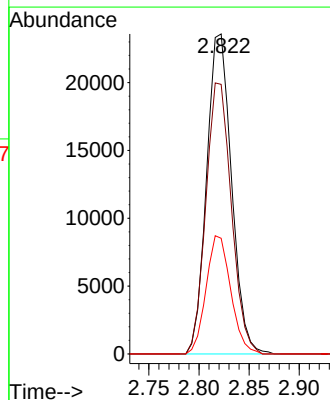
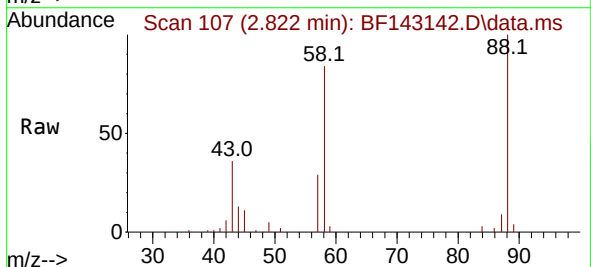
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

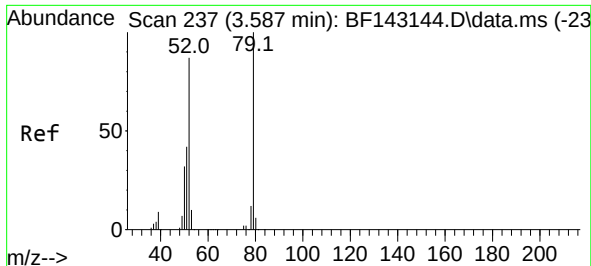
Tgt Ion:152 Resp: 140410
Ion Ratio Lower Upper
152 100
150 157.8 128.2 192.4
115 60.6 47.9 71.9



#2
1,4-Dioxane
Concen: 9.732 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 88 Resp: 40860
Ion Ratio Lower Upper
88 100
58 86.6 70.2 105.2
43 36.5 27.1 40.7





#3

Pyridine

Concen: 10.032 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

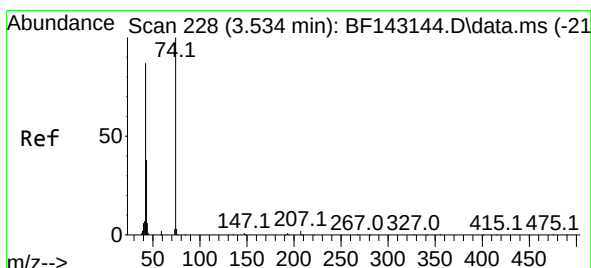
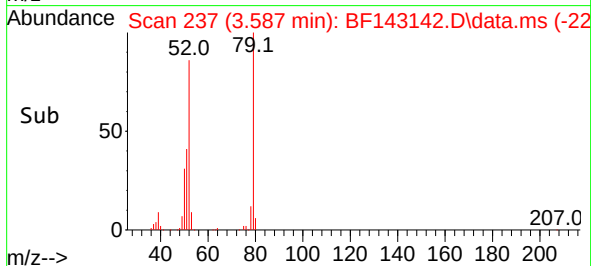
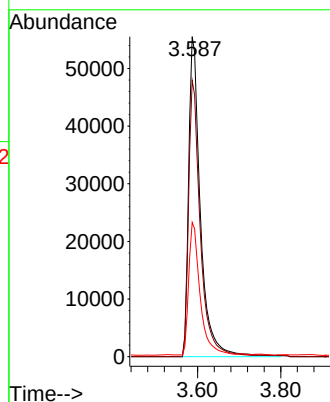
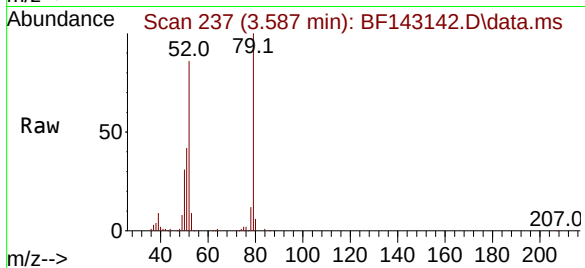
Tgt Ion: 79 Resp: 109317

Ion Ratio Lower Upper

79 100

52 86.3 69.4 104.2

51 42.0 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 9.684 ng

RT: 3.510 min Scan# 224

Delta R.T. -0.023 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

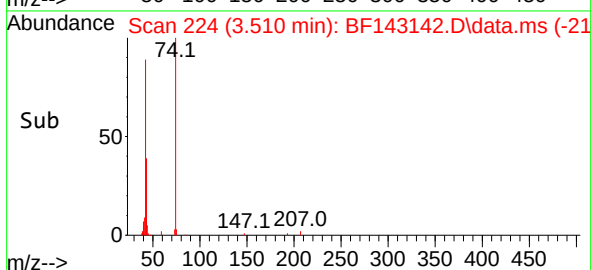
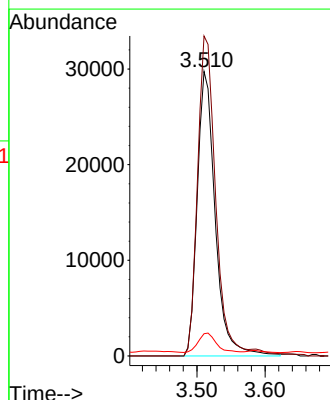
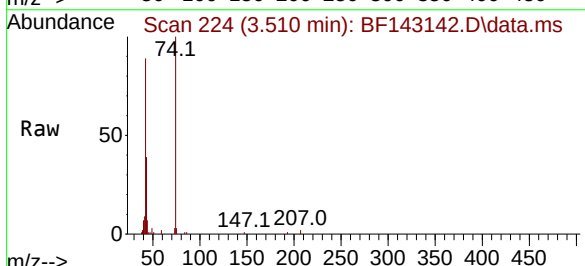
Tgt Ion: 42 Resp: 54487

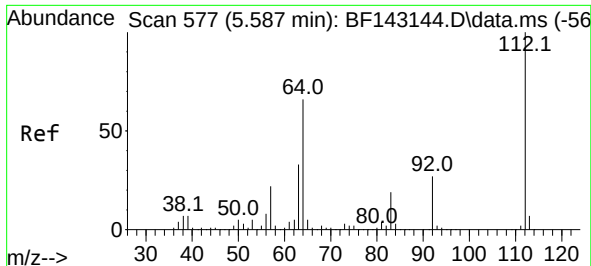
Ion Ratio Lower Upper

42 100

74 112.5 91.7 137.5

44 7.8 5.6 8.4

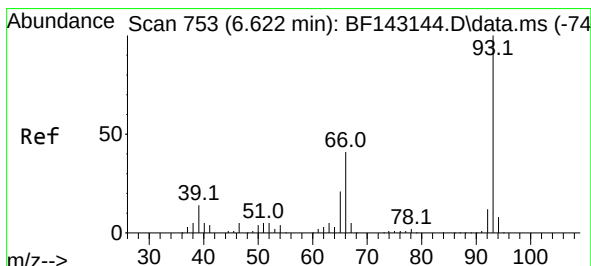
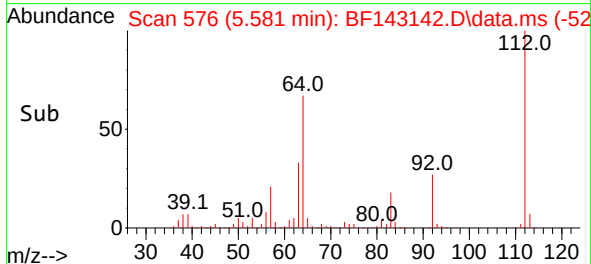
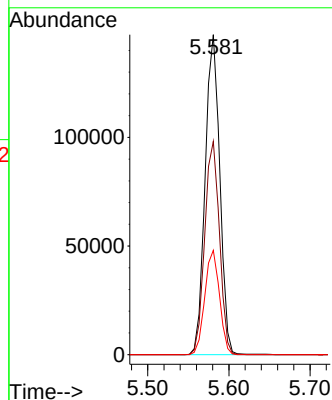
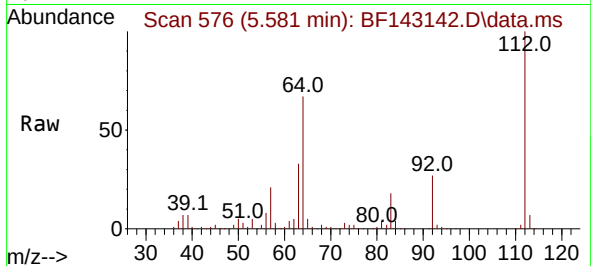




#5
2-Fluorophenol
Concen: 20.778 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

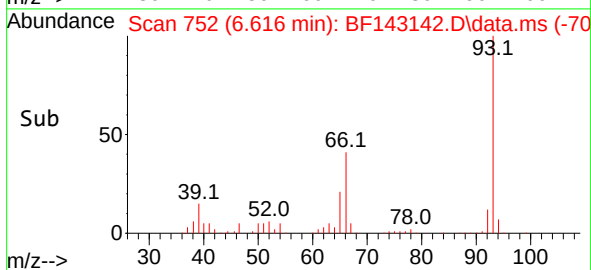
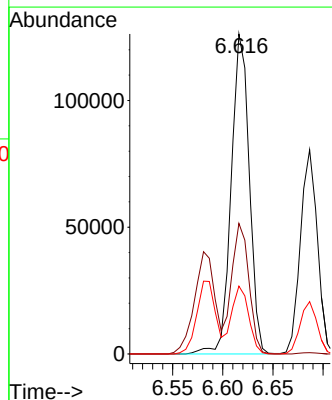
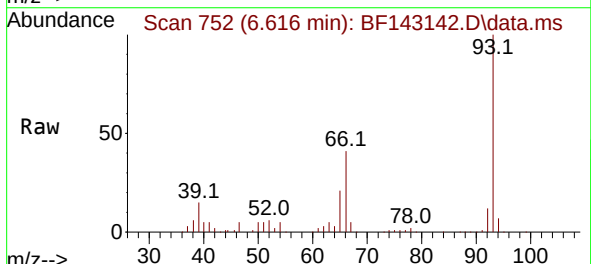
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

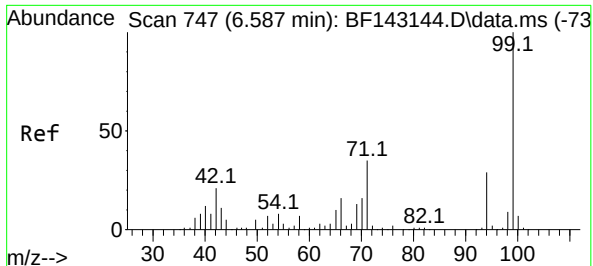
Tgt Ion:112 Resp: 184363
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 32.6 26.6 40.0



#6
Aniline
Concen: 10.188 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 93 Resp: 158580
Ion Ratio Lower Upper
93 100
66 40.8 33.2 49.8
65 21.2 16.9 25.3

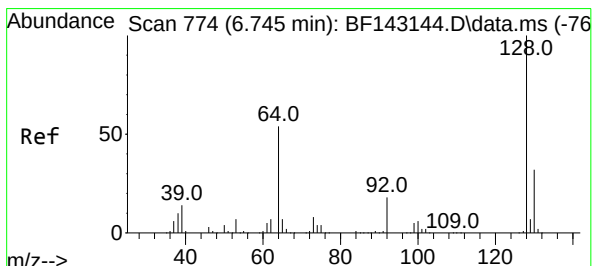
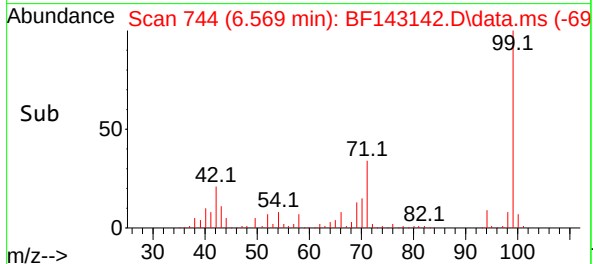
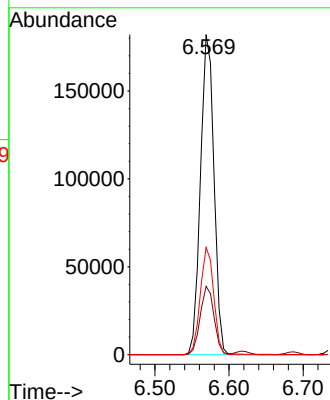
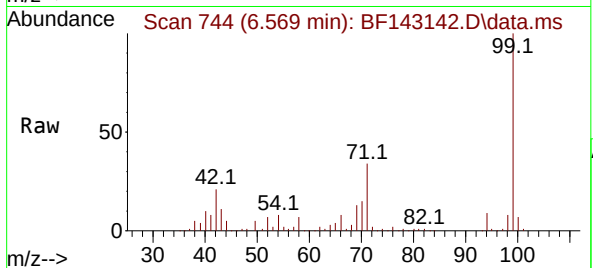




#7
Phenol-d6
Concen: 20.613 ng
RT: 6.569 min Scan# 747
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

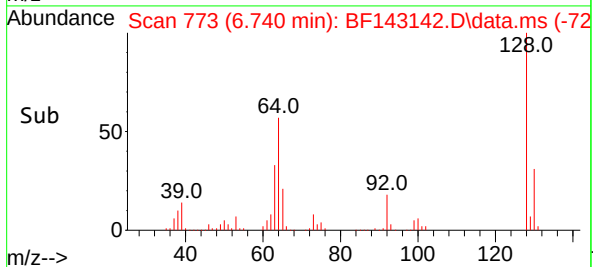
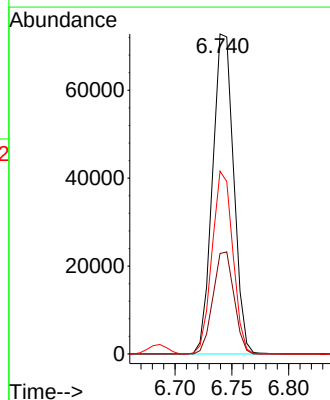
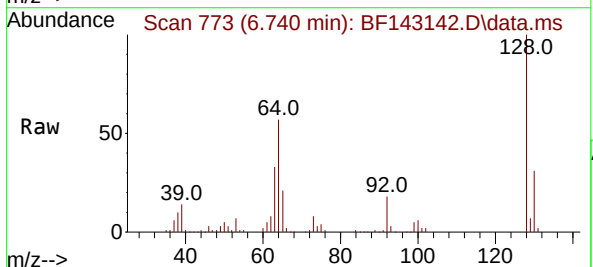
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BNA_F
ClientSampleId :
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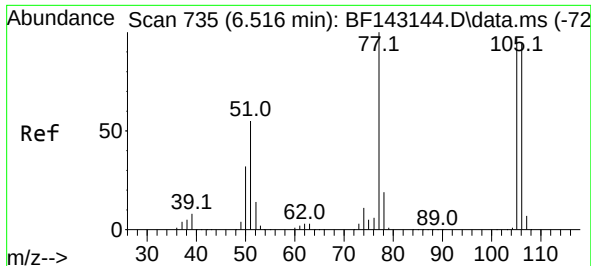
Tgt Ion: 99 Resp: 230206
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 33.5 27.7 41.5



#8
2-Chlorophenol
Concen: 10.135 ng
RT: 6.740 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 128 Resp: 94265
Ion Ratio Lower Upper
128 100
130 31.4 12.3 52.3
64 57.1 35.9 75.9

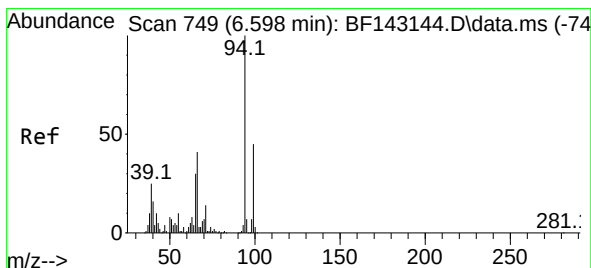
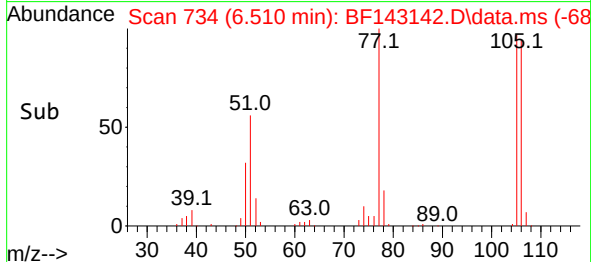
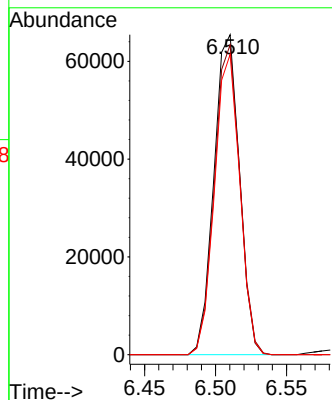
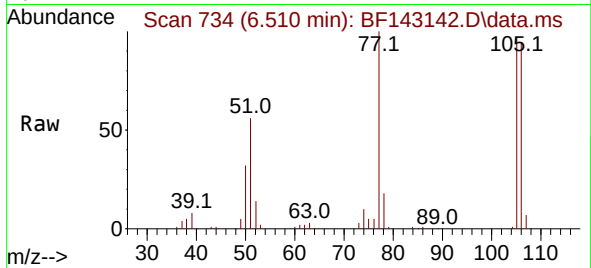




#9
Benzaldehyde
Concen: 9.779 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

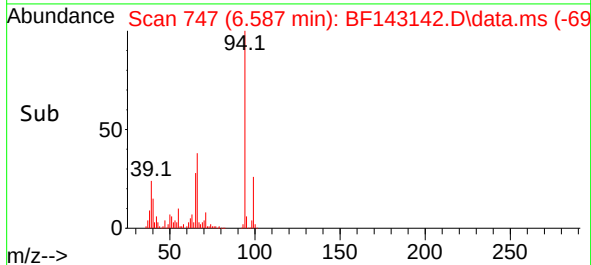
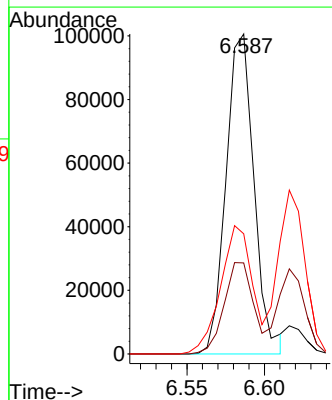
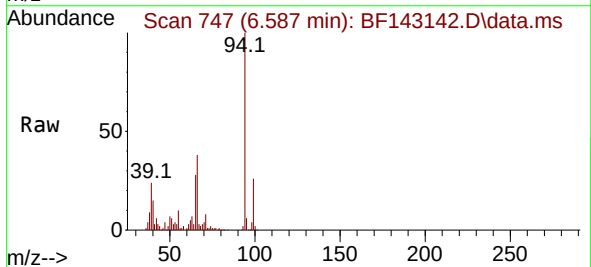
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

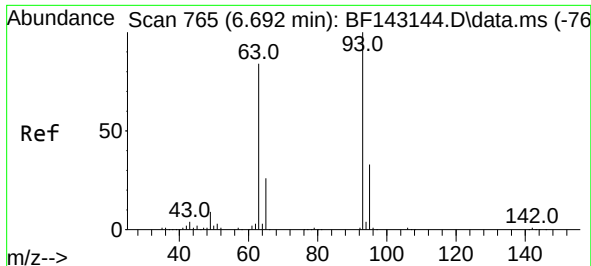
Tgt Ion: 77 Resp: 81897
Ion Ratio Lower Upper
77 100
105 96.9 76.8 116.8
106 93.9 74.4 114.4



#10
Phenol
Concen: 10.380 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 94 Resp: 126291
Ion Ratio Lower Upper
94 100
65 28.4 10.0 50.0
66 37.5 20.8 60.8

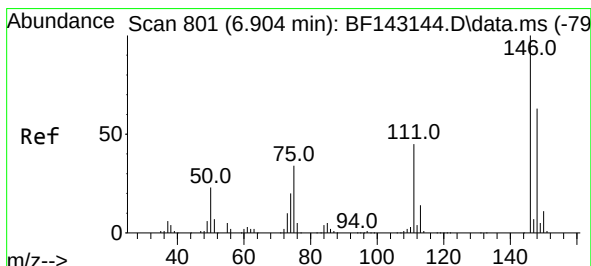
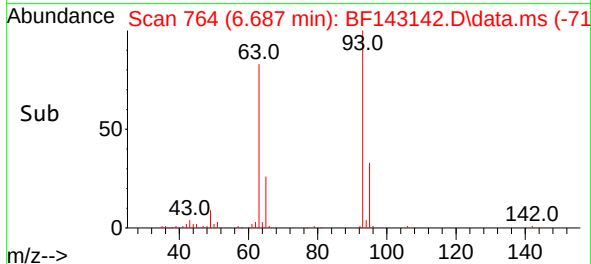
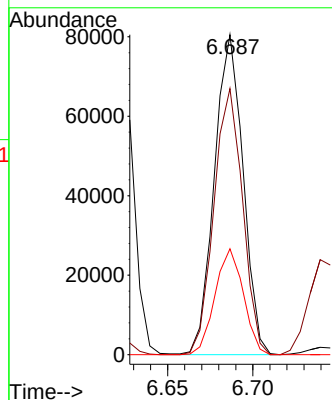
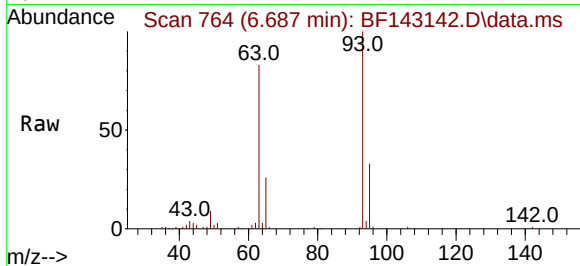




#11
bis(2-Chloroethyl)ether
Concen: 10.119 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

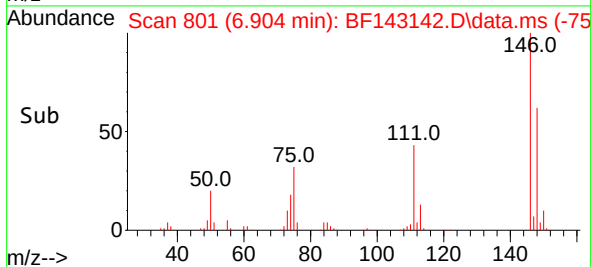
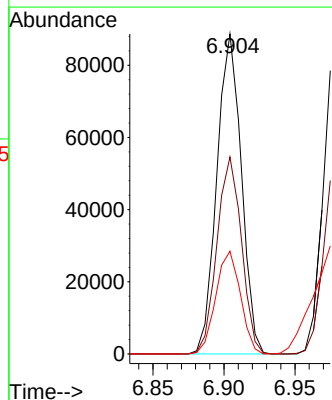
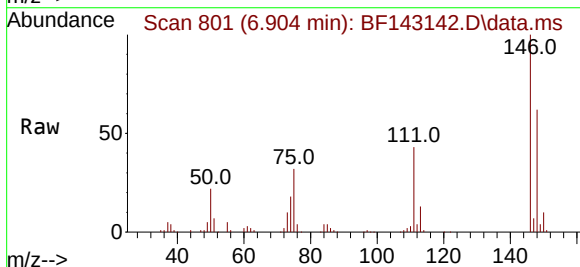
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

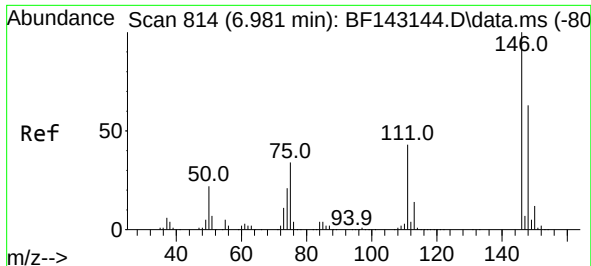
Tgt Ion: 93 Resp: 94260
Ion Ratio Lower Upper
93 100
63 83.2 63.4 103.4
95 33.1 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 10.514 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:146 Resp: 106226
Ion Ratio Lower Upper
146 100
148 61.6 50.6 76.0
75 32.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 10.475 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

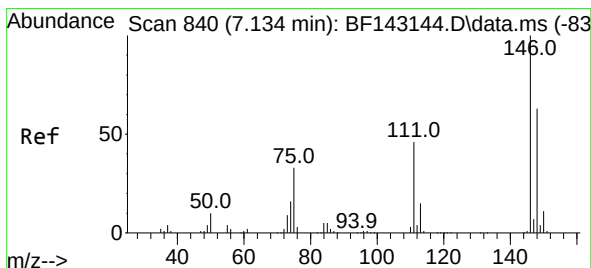
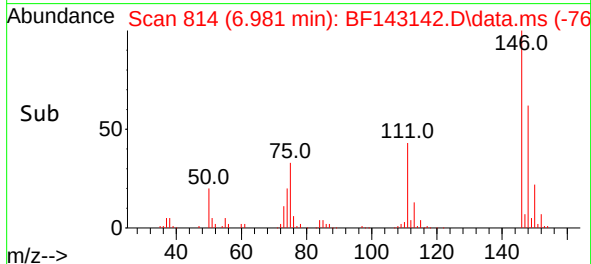
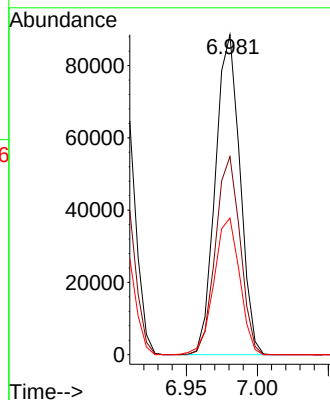
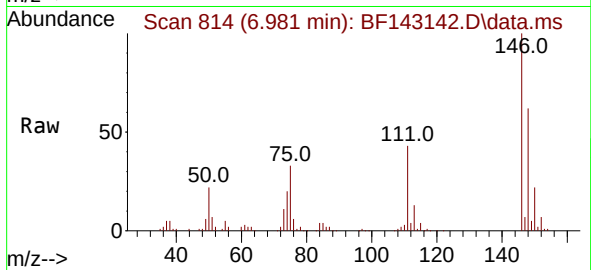
Tgt Ion:146 Resp: 106581

Ion Ratio Lower Upper

146 100

148 61.9 50.3 75.5

111 42.7 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 10.253 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

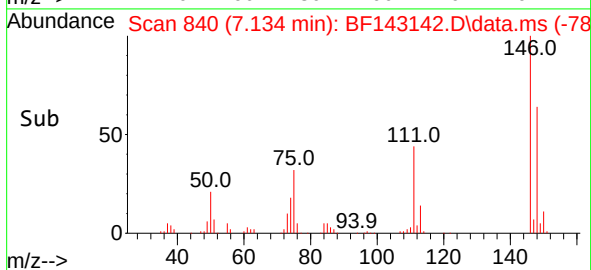
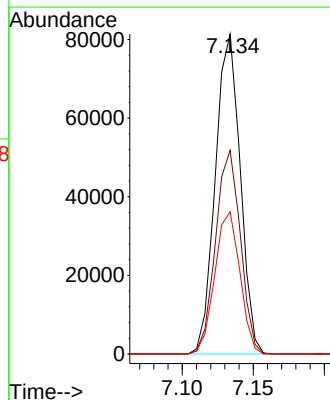
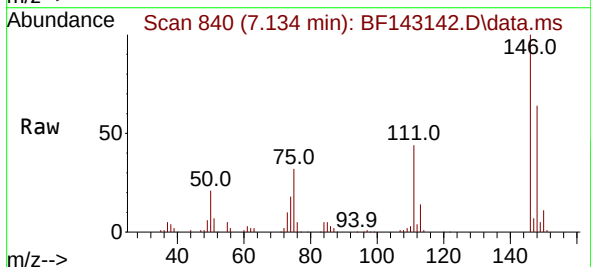
Tgt Ion:146 Resp: 99226

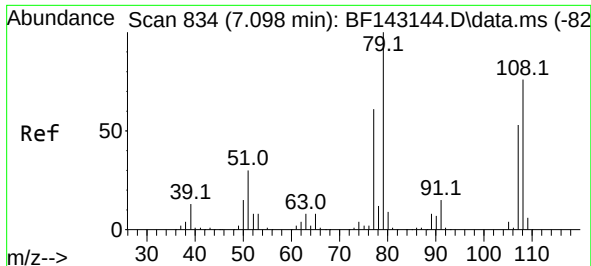
Ion Ratio Lower Upper

146 100

148 63.6 50.7 76.1

111 44.5 36.6 54.8



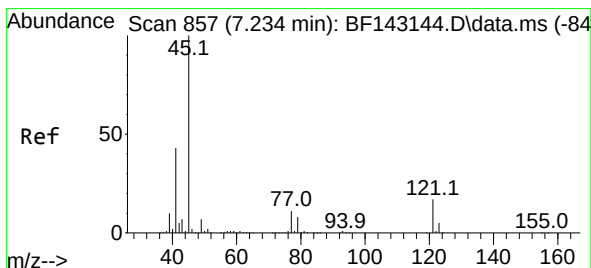
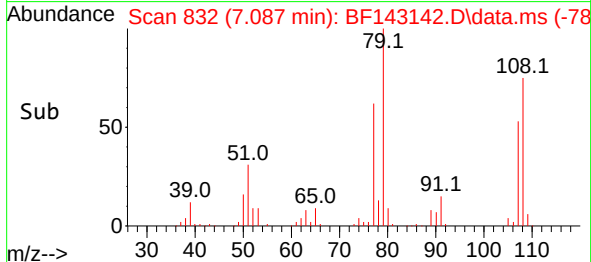
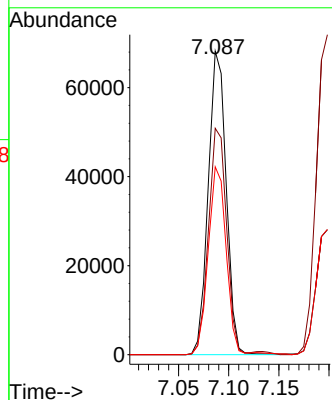
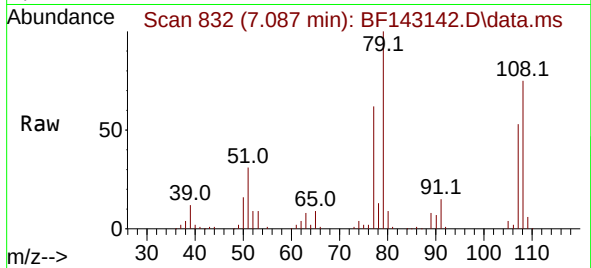


#15
Benzyl Alcohol
Concen: 9.996 ng
RT: 7.087 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDIC010

Tgt Ion: 79 Resp: 85240

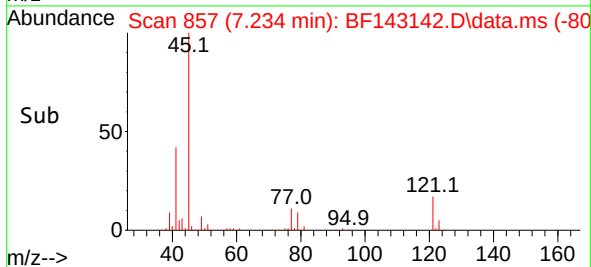
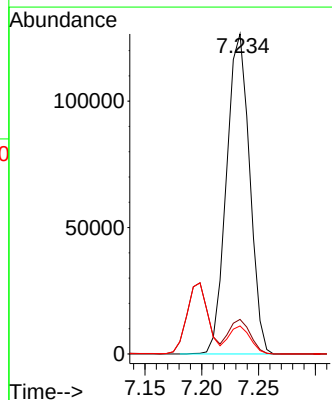
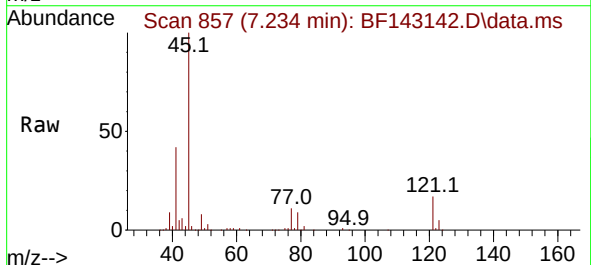
Ion	Ratio	Lower	Upper
79	100		
108	74.6	61.1	91.7
77	61.9	48.9	73.3

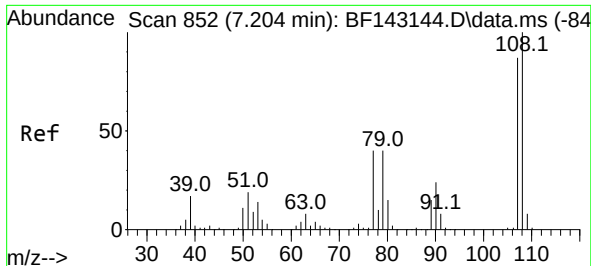


#16
2,2'-oxybis(1-chloropropane)
Concen: 10.371 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 45 Resp: 179226

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.2
79	8.7	0.0	28.5

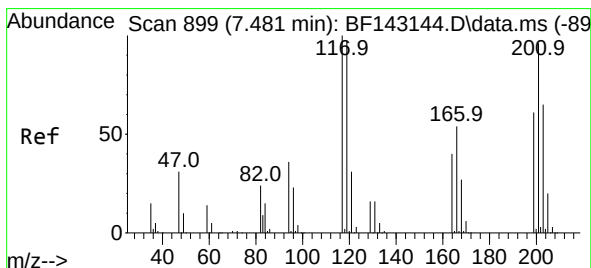
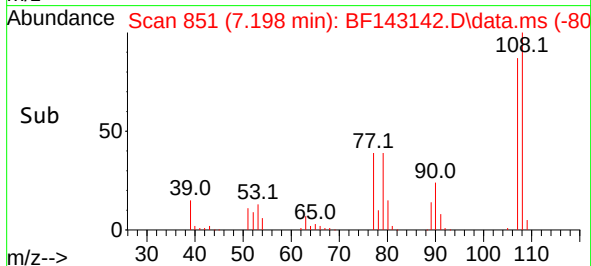
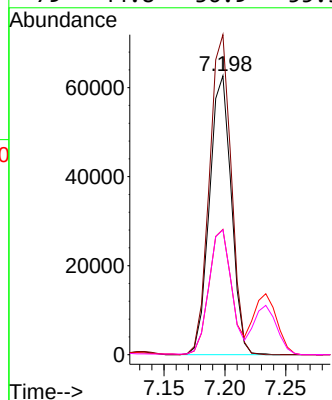
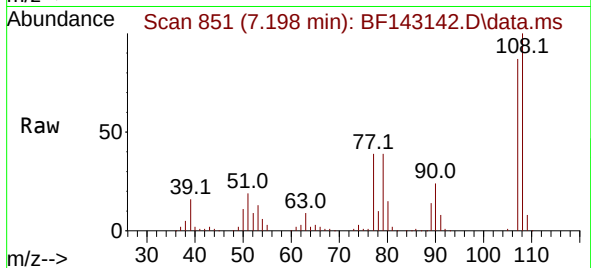




#17
2-Methylphenol
Concen: 9.974 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

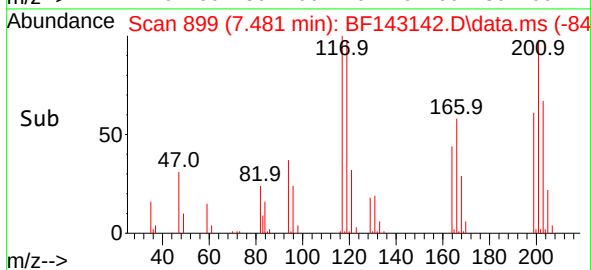
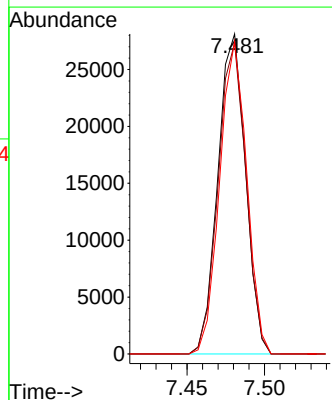
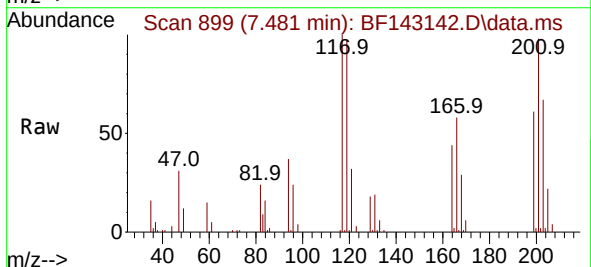
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

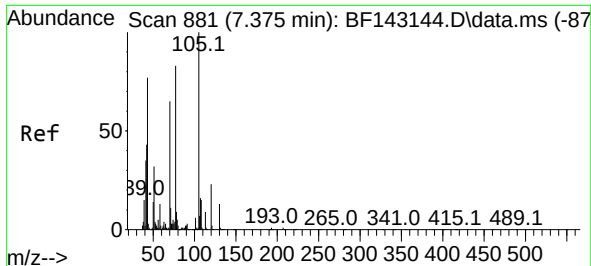
Tgt Ion:	107	Resp:	78001
Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.8	137.6
77	45.0	37.0	55.6
79	44.8	36.9	55.3



#18
Hexachloroethane
Concen: 9.932 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:	117	Resp:	34985
Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.8
201	97.7	77.0	115.4

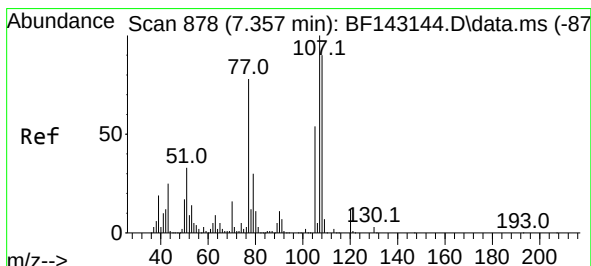
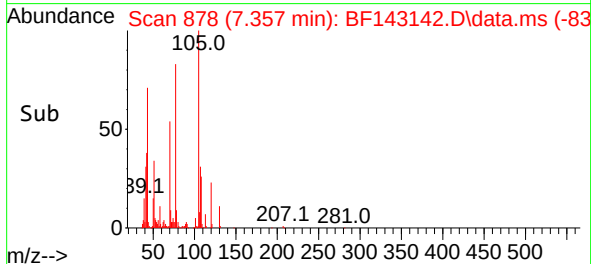
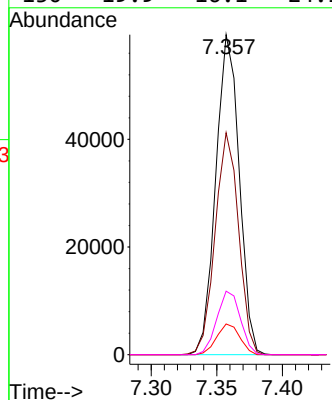
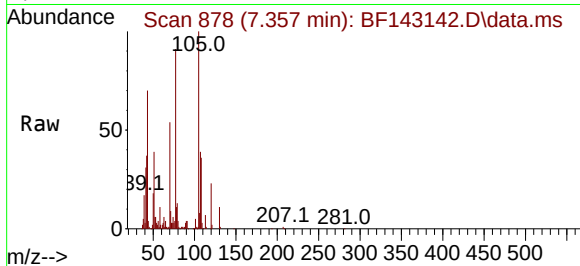




#19
n-Nitroso-di-n-propylamine
Concen: 10.302 ng
RT: 7.357 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

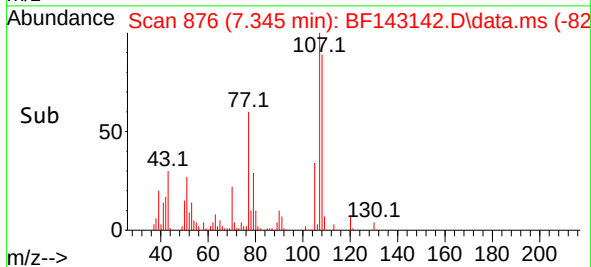
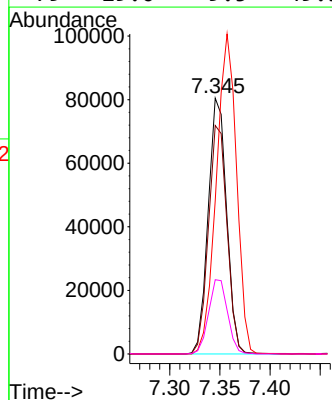
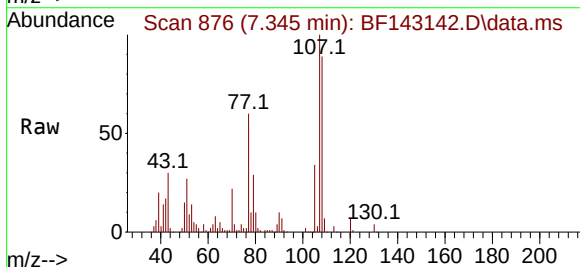
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

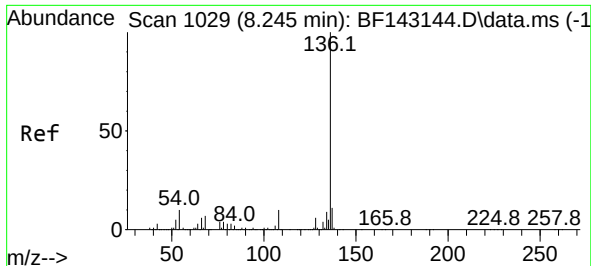
Tgt Ion:	70	Resp:	73815
Ion	Ratio	Lower	Upper
70	100		
42	69.4	52.5	78.7
101	9.6	7.6	11.4
130	19.9	16.1	24.1



#20
3+4-Methylphenols
Concen: 10.858 ng
RT: 7.345 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:	107	Resp:	103018
Ion	Ratio	Lower	Upper
107	100		
108	89.3	70.0	110.0
77	60.0	57.8	97.8
79	29.0	9.5	49.5

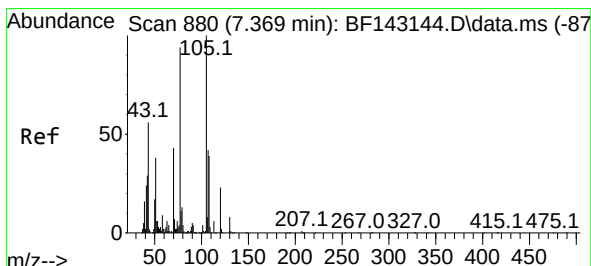
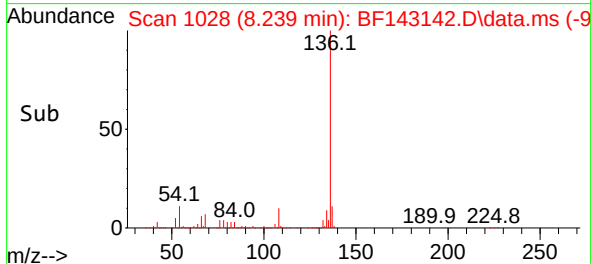
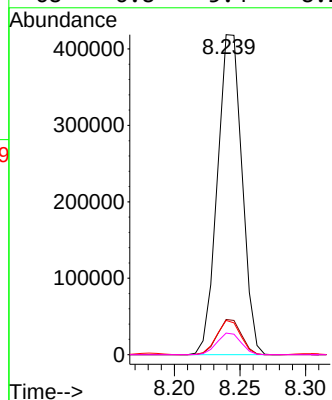
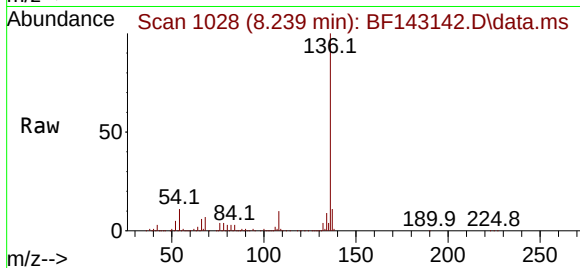




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

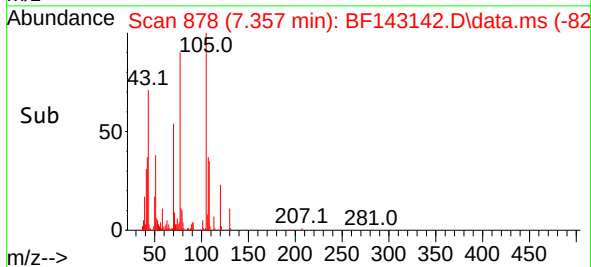
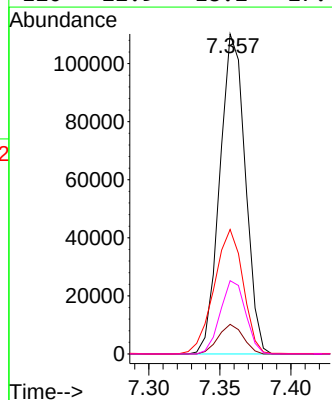
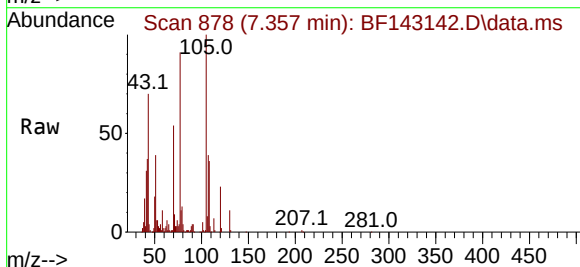
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

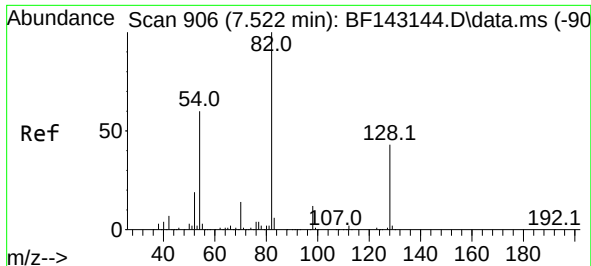
Tgt Ion:136	Resp: 545730
Ion Ratio	Lower Upper
136 100	
137 11.0	8.6 13.0
54 10.7	8.2 12.2
68 6.8	5.4 8.2



#22
Acetophenone
Concen: 10.645 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt	Ion:105	Resp:	137532
Ion	Ratio	Lower	Upper
105	100		
71	9.3	5.8	8.6#
51	38.9	30.2	45.2
120	22.9	18.2	27.4





#23

Nitrobenzene-d5

Concen: 20.396 ng

RT: 7.510 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

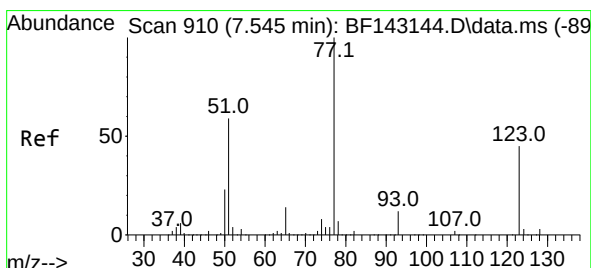
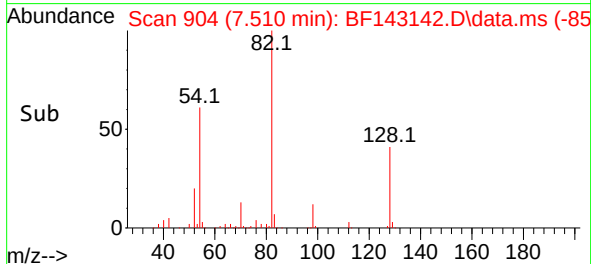
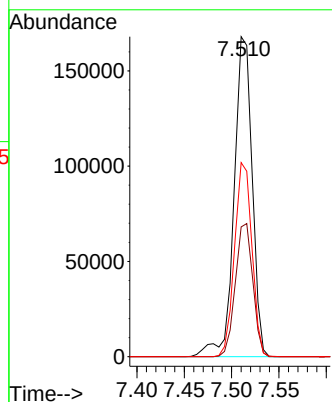
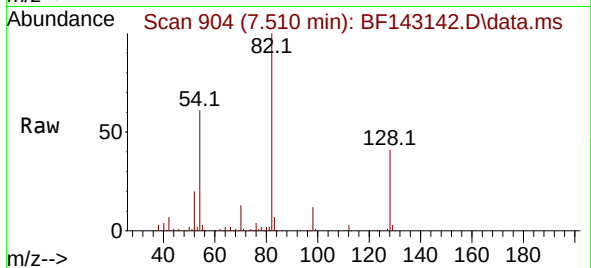
Tgt Ion: 82 Resp: 223300

Ion Ratio Lower Upper

82 100

128 40.5 33.6 50.4

54 60.7 47.1 70.7



#24

Nitrobenzene

Concen: 9.879 ng

RT: 7.534 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

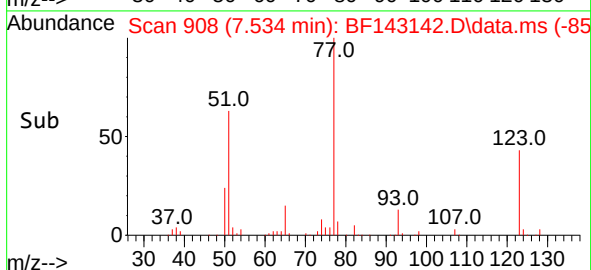
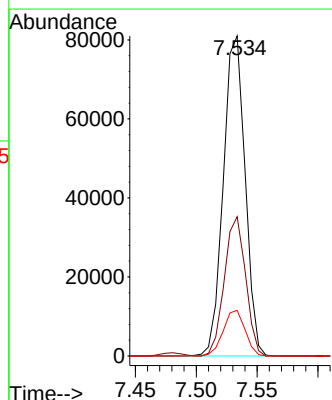
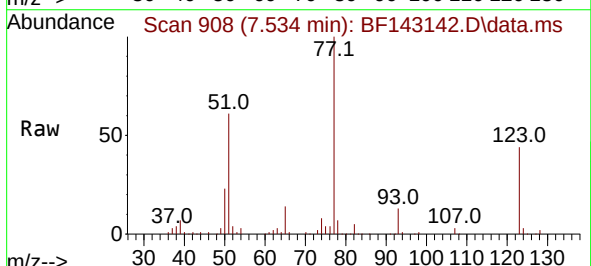
Tgt Ion: 77 Resp: 100837

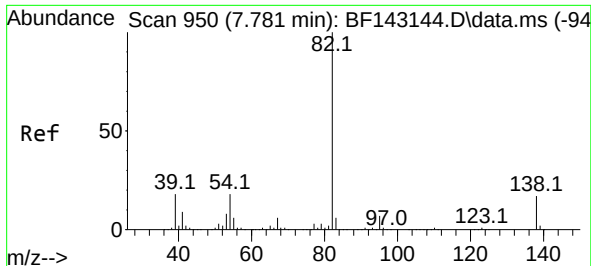
Ion Ratio Lower Upper

77 100

123 43.5 36.1 54.1

65 14.2 11.4 17.2

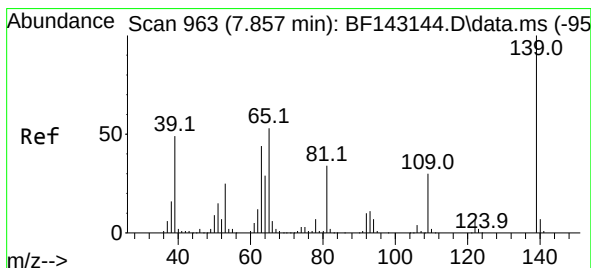
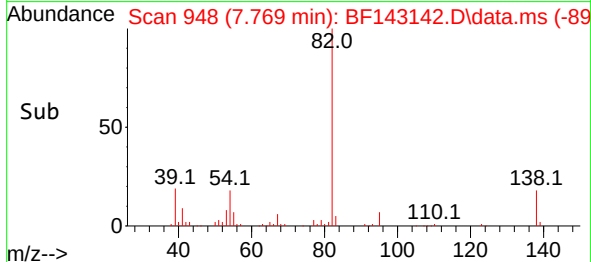
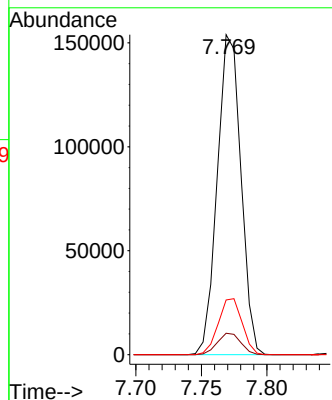
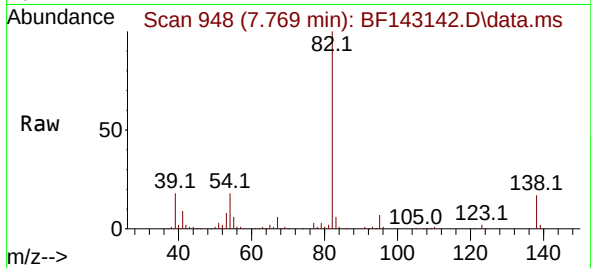




#25
Isophorone
Concen: 9.981 ng
RT: 7.769 min Scan# 948
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

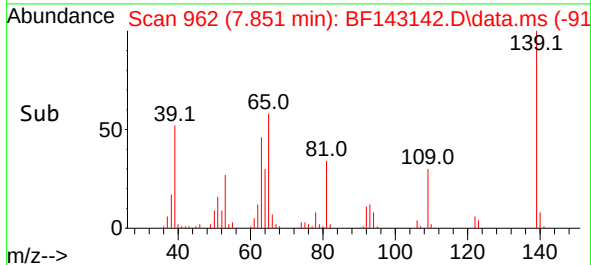
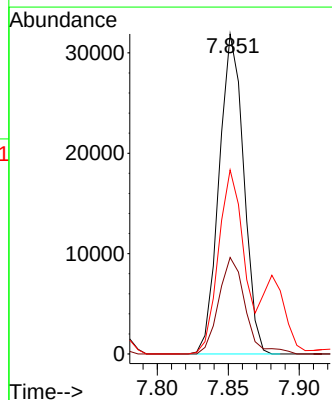
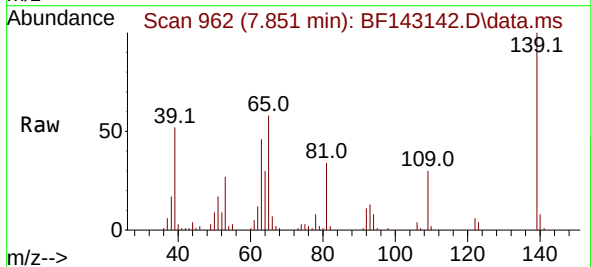
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

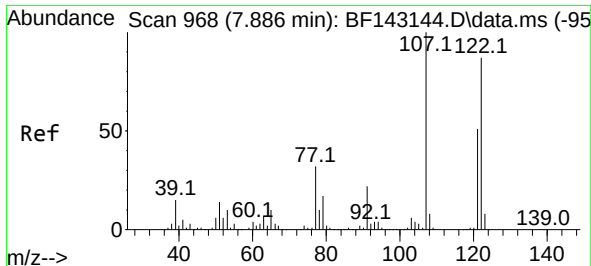
Tgt Ion: 82 Resp: 192895
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.1 13.8 20.8



#26
2-Nitrophenol
Concen: 8.680 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:139 Resp: 38451
Ion Ratio Lower Upper
139 100
109 30.2 23.6 35.4
65 57.5 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 10.269 ng

RT: 7.881 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

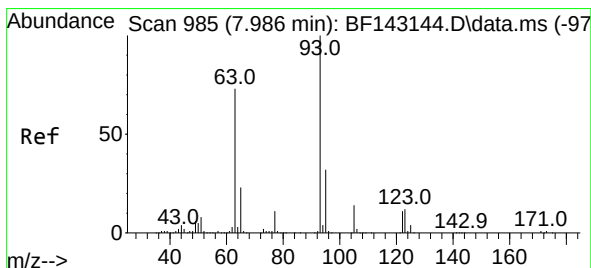
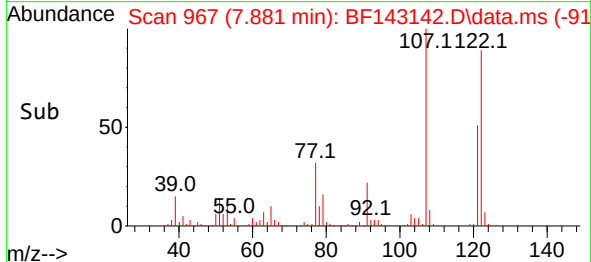
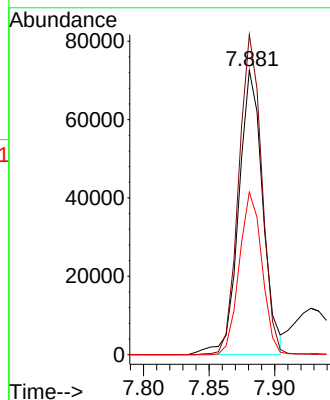
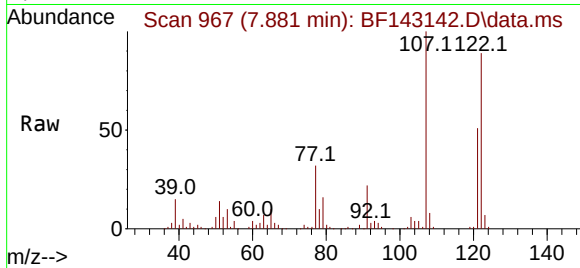
Tgt Ion:122 Resp: 92724

Ion Ratio Lower Upper

122 100

107 112.6 91.8 137.6

121 57.2 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 10.297 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

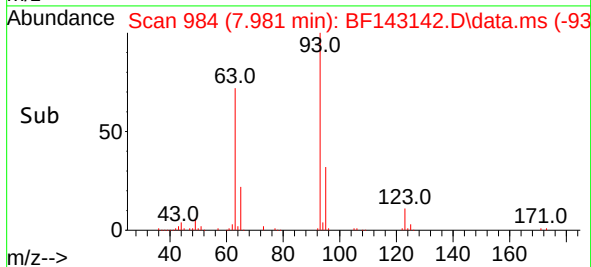
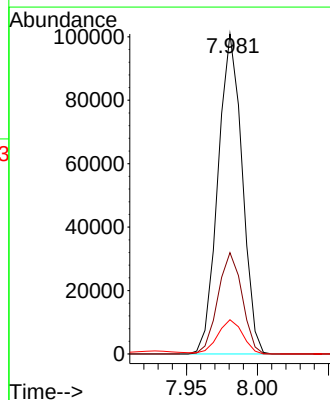
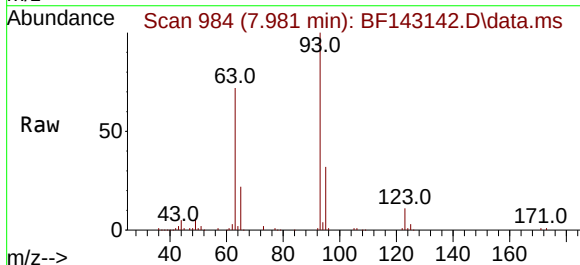
Tgt Ion: 93 Resp: 119320

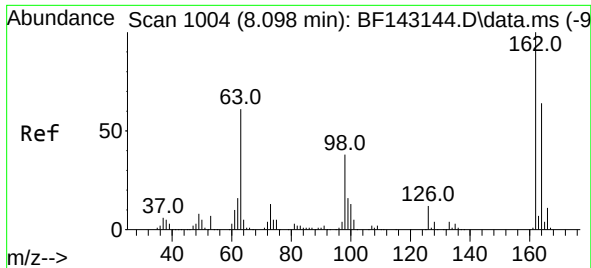
Ion Ratio Lower Upper

93 100

95 31.7 25.8 38.6

123 10.7 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 10.091 ng

RT: 8.087 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

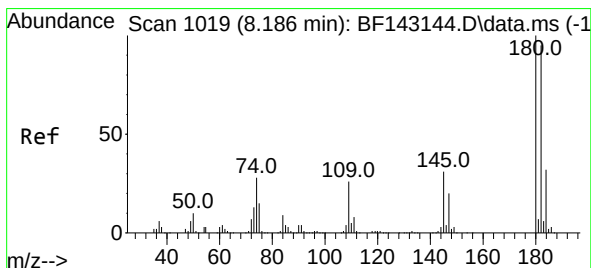
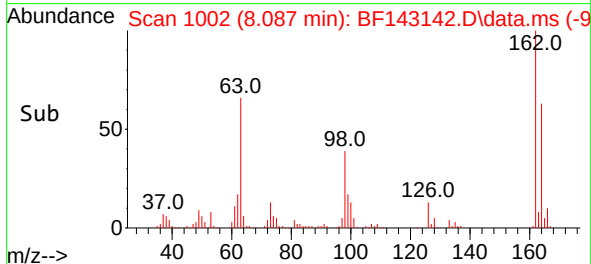
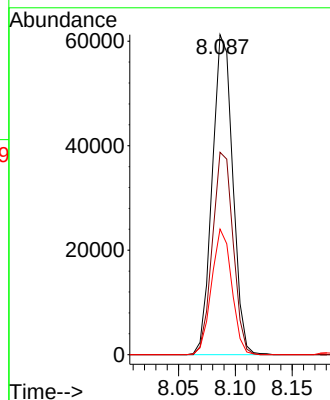
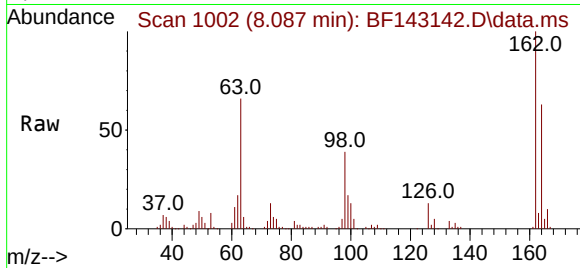
Tgt Ion:162 Resp: 76847

Ion Ratio Lower Upper

162 100

164 63.3 44.2 84.2

98 39.2 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 10.191 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

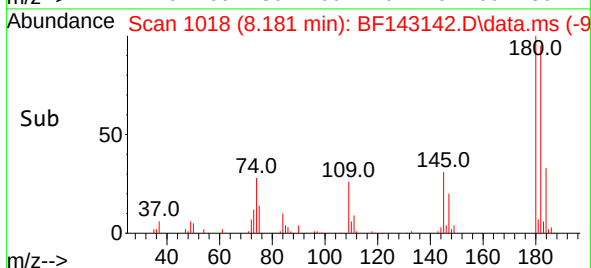
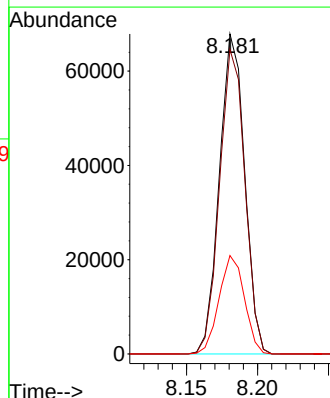
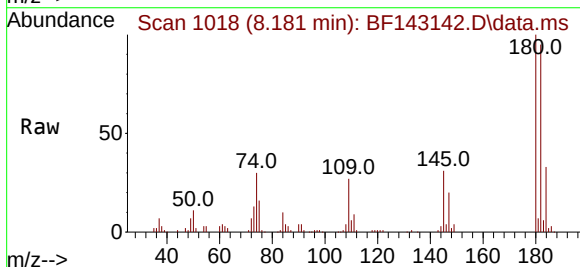
Tgt Ion:180 Resp: 83842

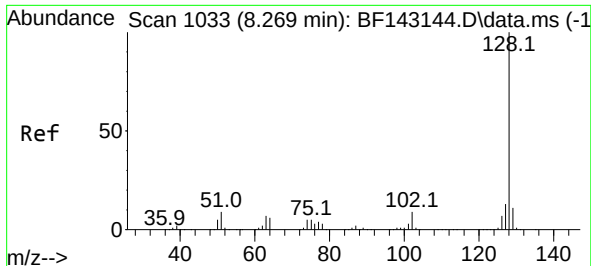
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 30.7 25.0 37.6

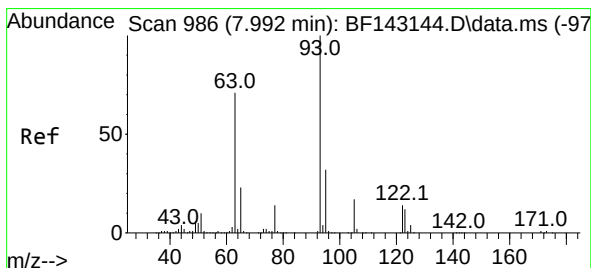
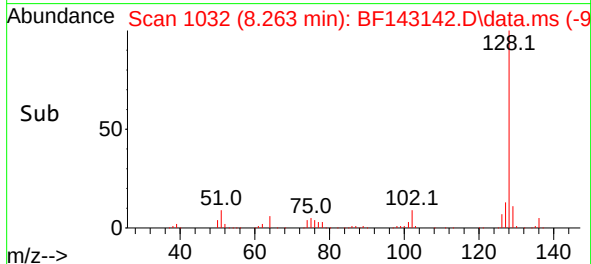
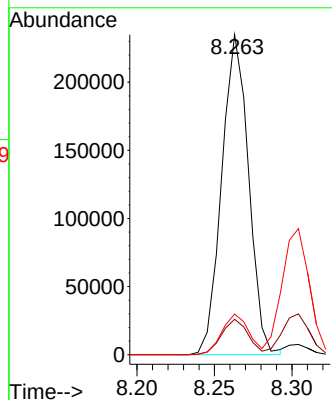
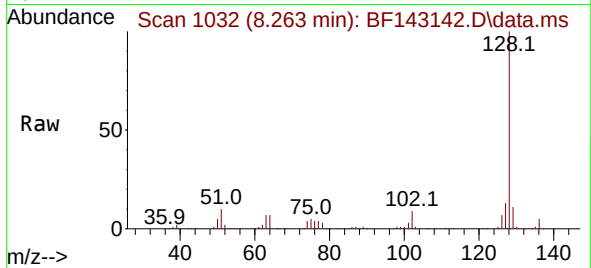




#31
Naphthalene
Concen: 10.534 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

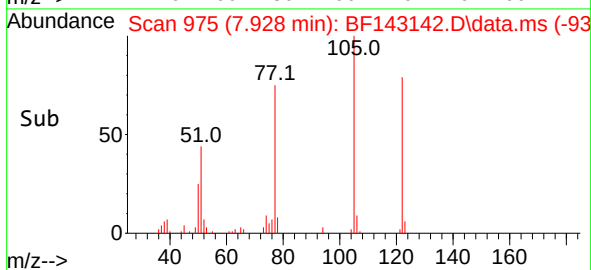
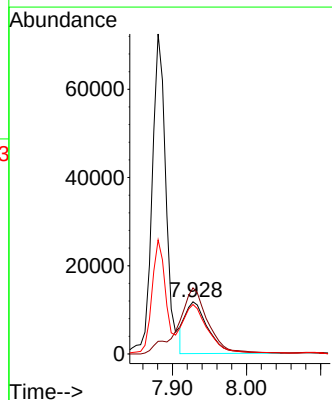
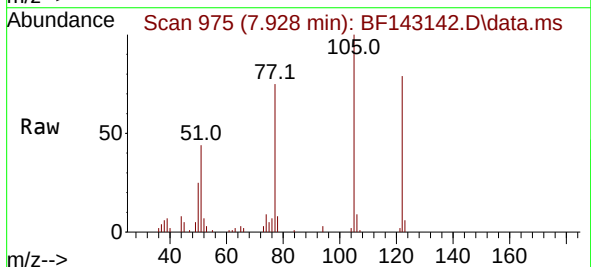
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

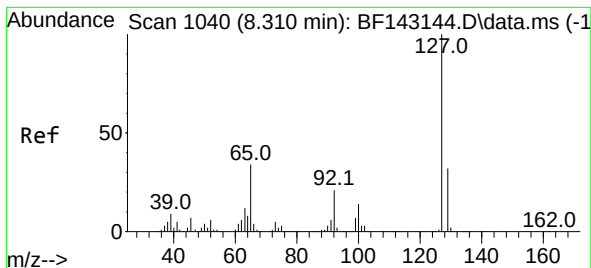
Tgt Ion:128 Resp: 283107
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.7 10.6 16.0



#32
Benzoic acid
Concen: 9.564 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:122 Resp: 25309
Ion Ratio Lower Upper
122 100
105 126.6 104.8 144.8
77 94.6 77.6 117.6





#33

4-Chloroaniline

Concen: 10.369 ng

RT: 8.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:127 Resp: 113797

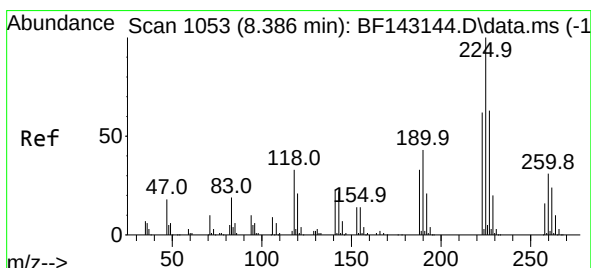
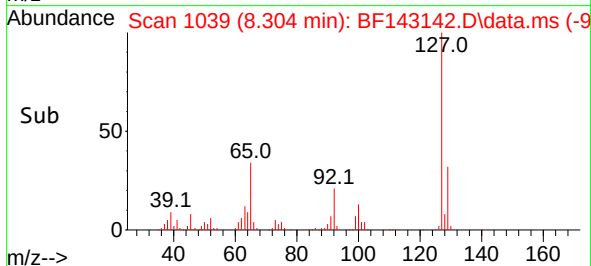
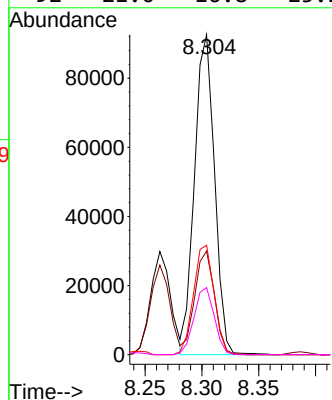
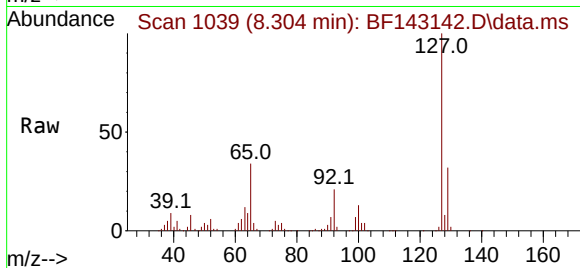
Ion Ratio Lower Upper

127 100

129 32.4 26.0 39.0

65 34.2 27.4 41.2

92 21.0 16.8 25.2



#34

Hexachlorobutadiene

Concen: 10.290 ng

RT: 8.386 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

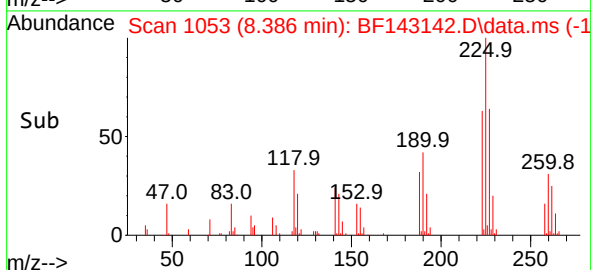
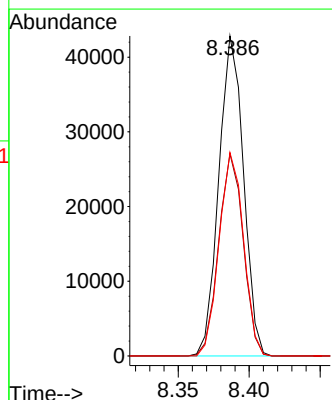
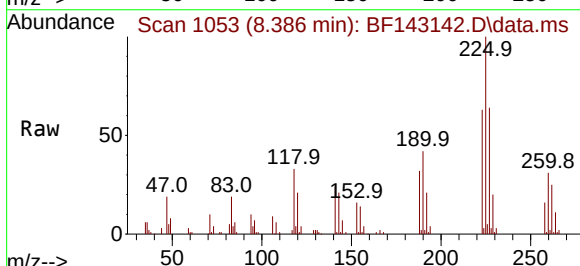
Tgt Ion:225 Resp: 51715

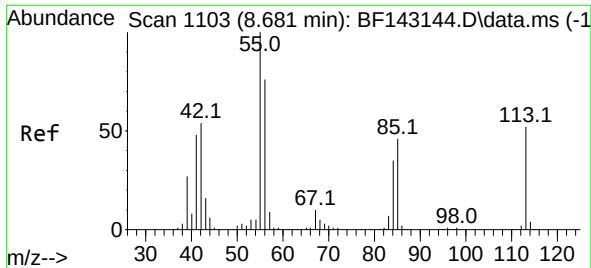
Ion Ratio Lower Upper

225 100

223 63.1 49.8 74.6

227 63.5 50.2 75.4

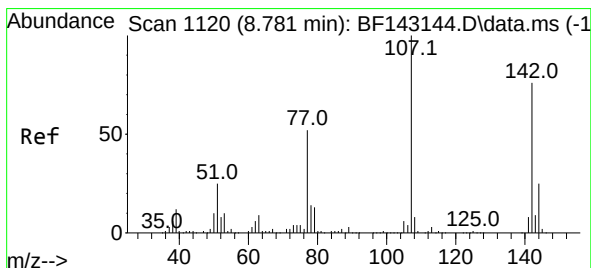
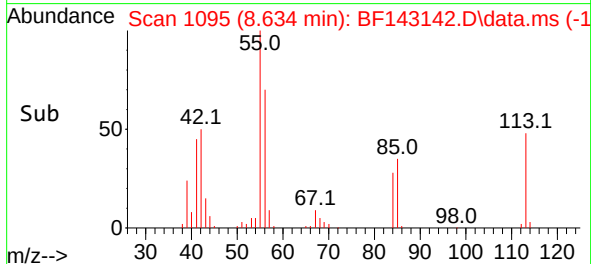
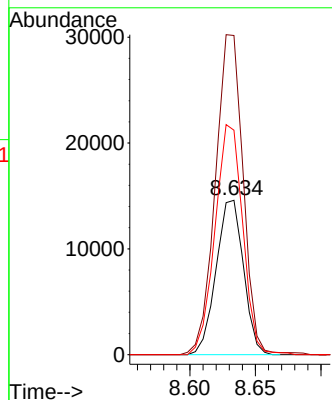
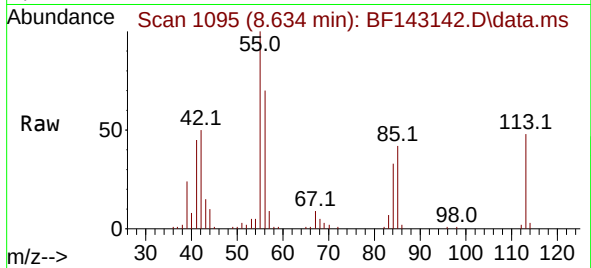




#35
 Caprolactam
 Concen: 9.194 ng
 RT: 8.634 min Scan# 1103
 Delta R.T. -0.047 min
 Lab File: BF143142.D
 Acq: 17 Jul 2025 12:04

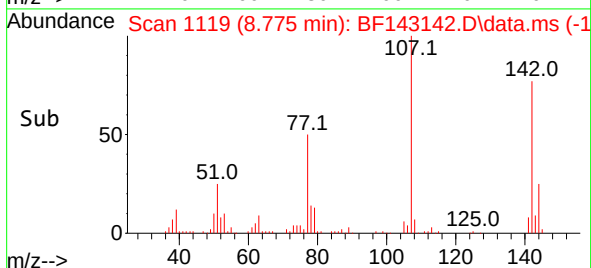
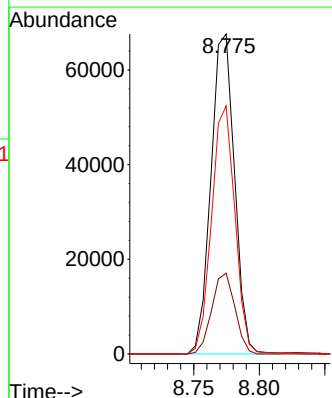
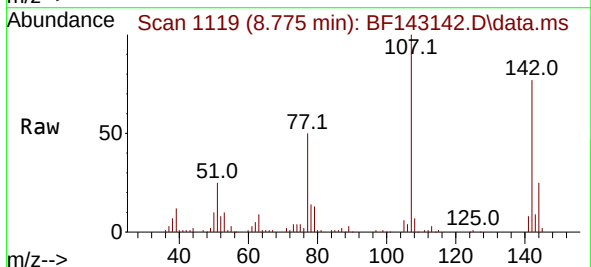
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

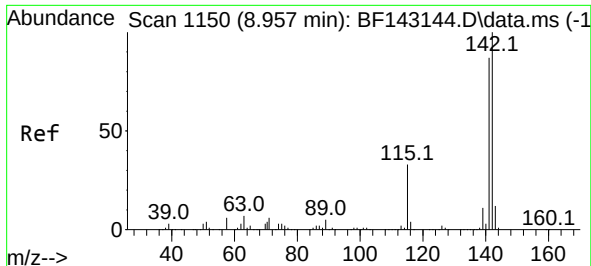
Tgt Ion:113 Resp: 21157
 Ion Ratio Lower Upper
 113 100
 55 206.8 174.0 214.0
 56 145.4 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 10.227 ng
 RT: 8.775 min Scan# 1119
 Delta R.T. -0.006 min
 Lab File: BF143142.D
 Acq: 17 Jul 2025 12:04

Tgt Ion:107 Resp: 84647
 Ion Ratio Lower Upper
 107 100
 144 25.3 19.8 29.6
 142 77.5 60.6 90.8





#37

2-Methylnaphthalene

Concen: 10.570 ng

RT: 8.951 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

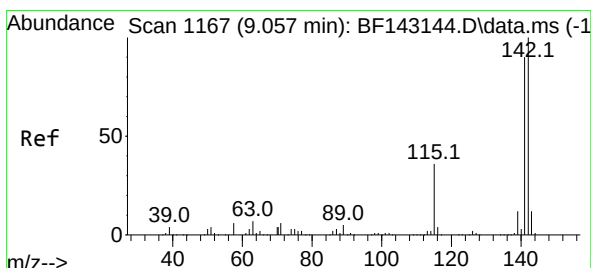
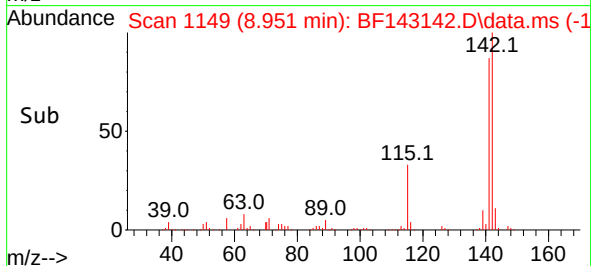
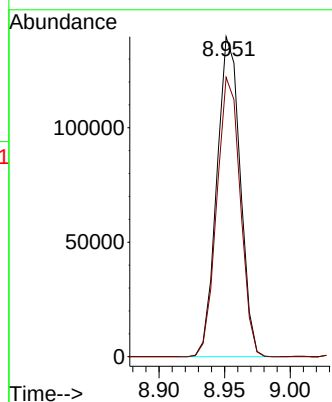
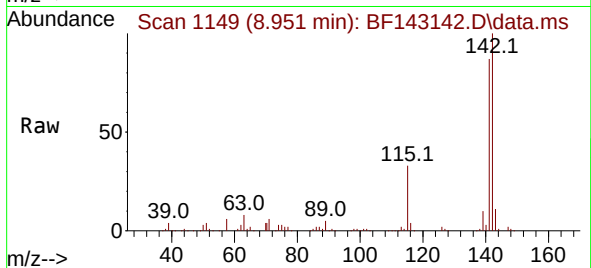
SSTDICC010

Tgt Ion:142 Resp: 172865

Ion Ratio Lower Upper

142 100

141 87.3 69.9 104.9



#38

1-Methylnaphthalene

Concen: 10.564 ng

RT: 9.051 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF143142.D

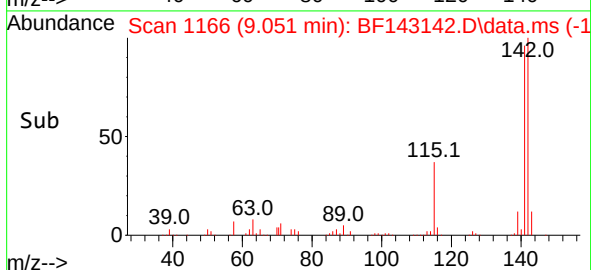
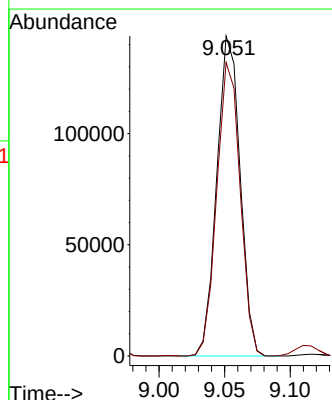
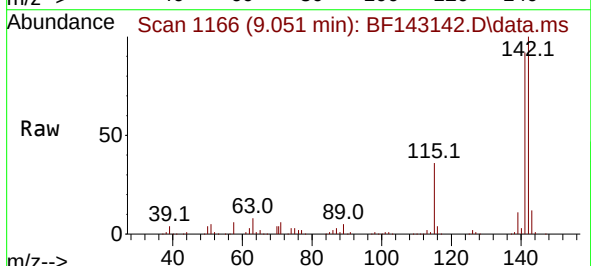
Acq: 17 Jul 2025 12:04

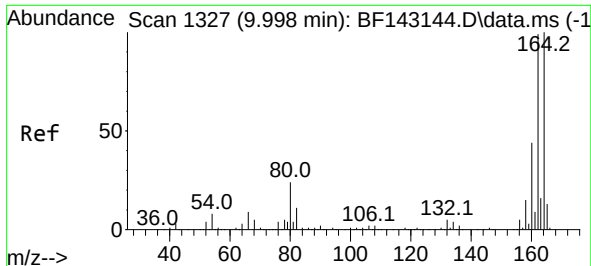
Tgt Ion:142 Resp: 177917

Ion Ratio Lower Upper

142 100

141 91.7 72.3 108.5

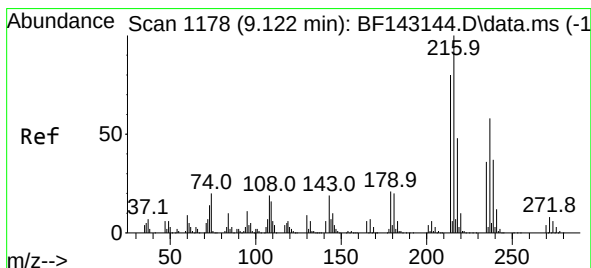
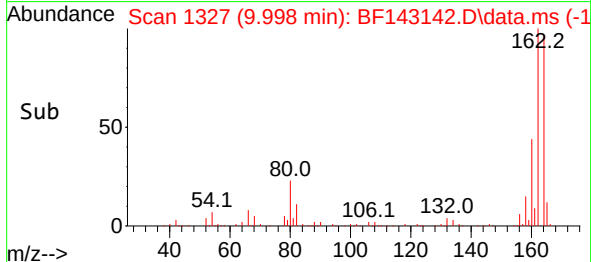
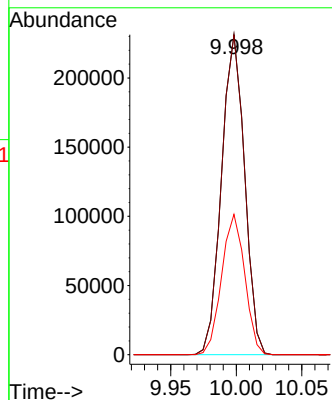
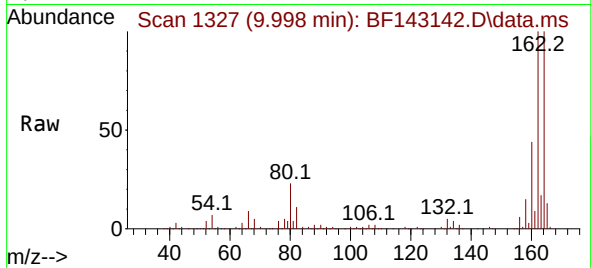




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

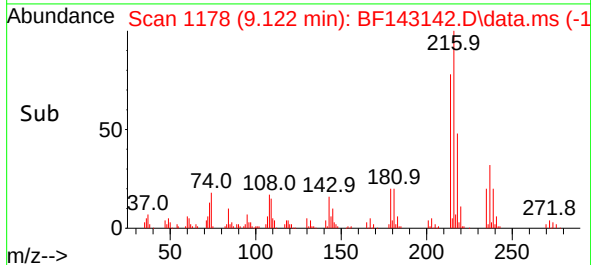
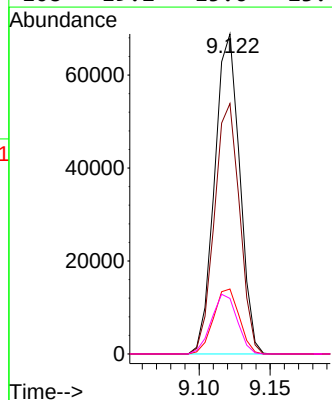
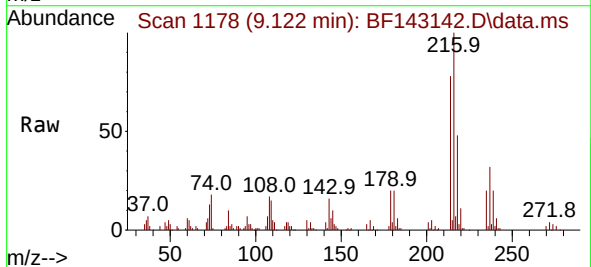
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

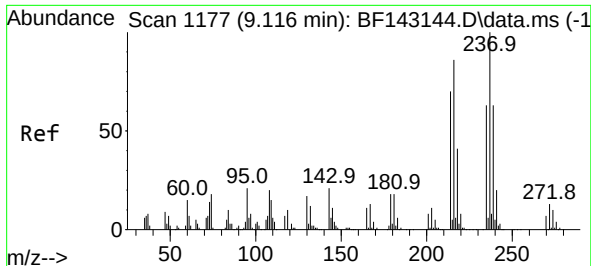
Tgt Ion:164 Resp: 282580
Ion Ratio Lower Upper
164 100
162 99.8 79.0 118.6
160 43.9 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.357 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:216 Resp: 84494
Ion Ratio Lower Upper
216 100
214 78.6 63.8 95.8
179 20.8 16.4 24.6
108 19.2 15.6 23.4

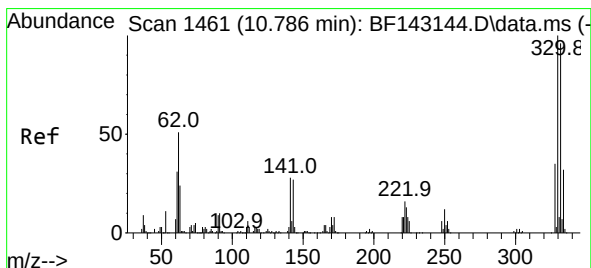
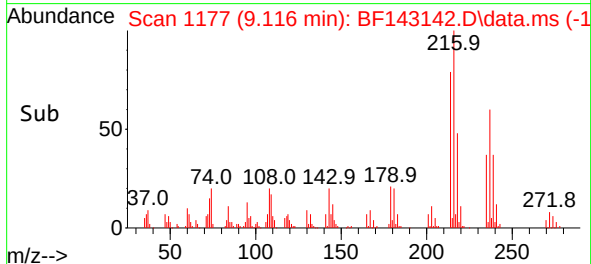
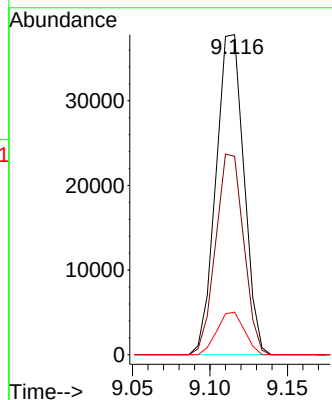
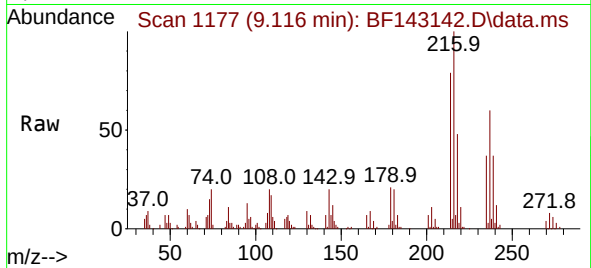




#41
Hexachlorocyclopentadiene
Concen: 8.963 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

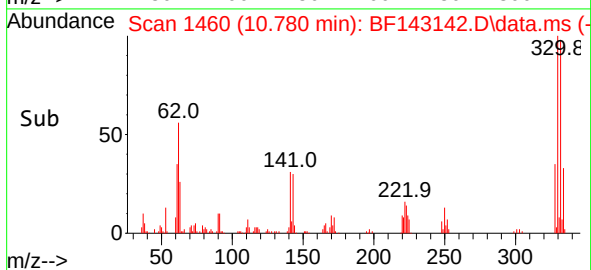
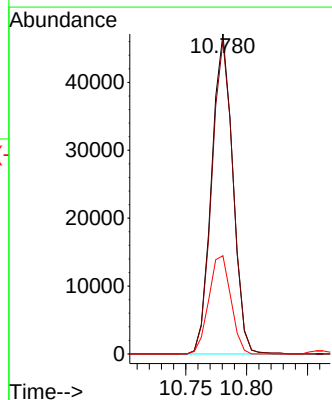
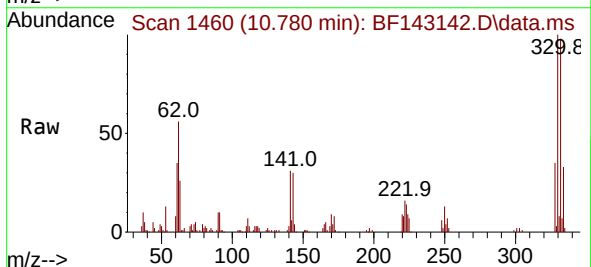
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

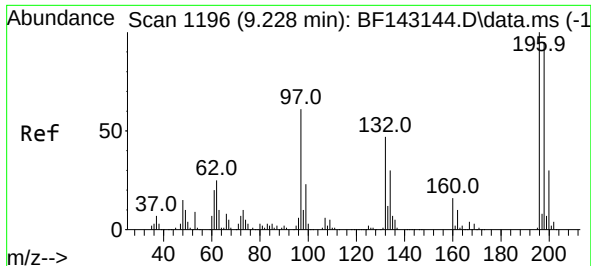
Tgt Ion:237 Resp: 47577
Ion Ratio Lower Upper
237 100
235 62.0 43.0 83.0
272 13.3 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 19.512 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:330 Resp: 56961
Ion Ratio Lower Upper
330 100
332 98.3 76.7 115.1
141 32.0 23.3 34.9

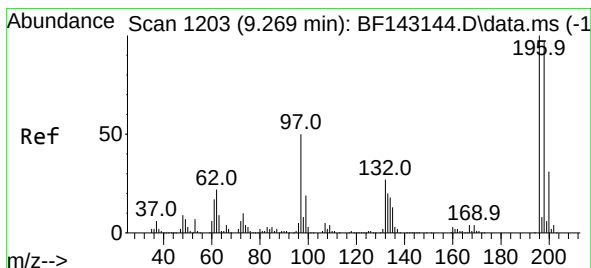
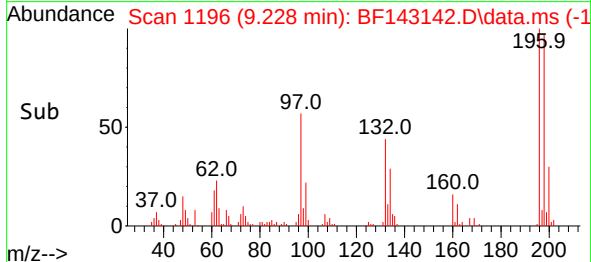
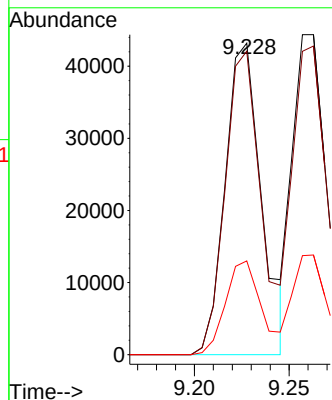
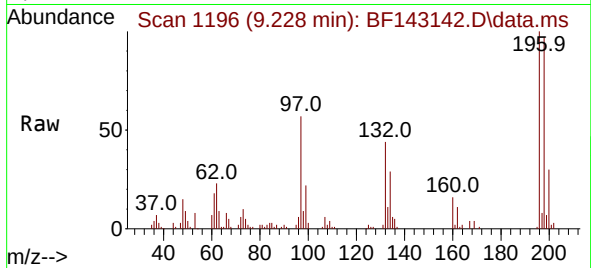




#43
2,4,6-Trichlorophenol
Concen: 10.165 ng
RT: 9.228 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

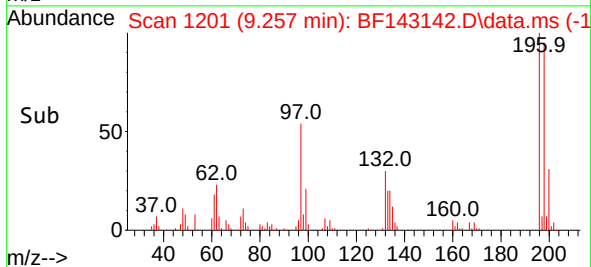
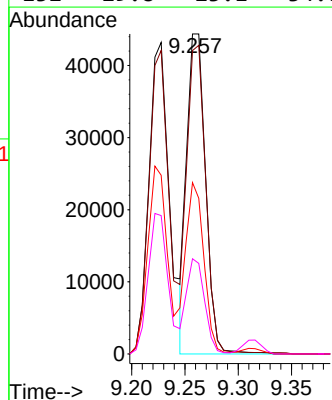
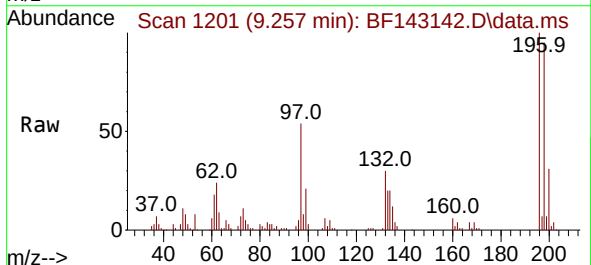
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

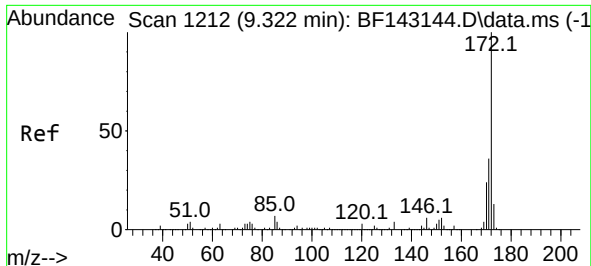
Tgt Ion:196 Resp: 57396
Ion Ratio Lower Upper
196 100
198 97.4 76.2 114.2
200 30.1 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 9.688 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:196 Resp: 54716
Ion Ratio Lower Upper
196 100
198 94.8 77.3 115.9
97 53.5 40.3 60.5
132 29.8 23.1 34.7

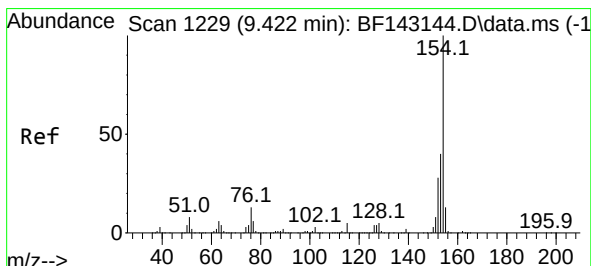
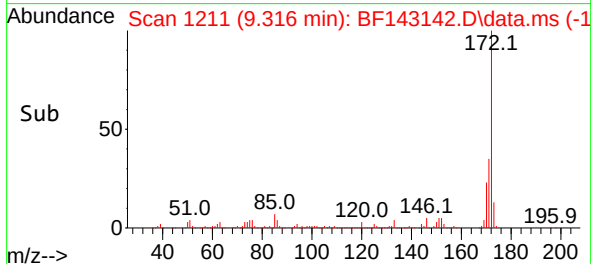
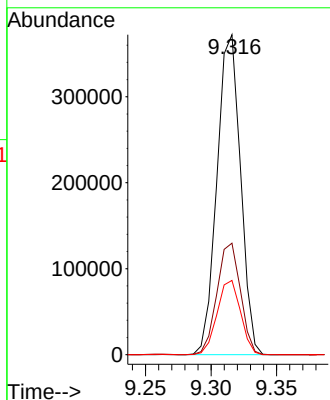
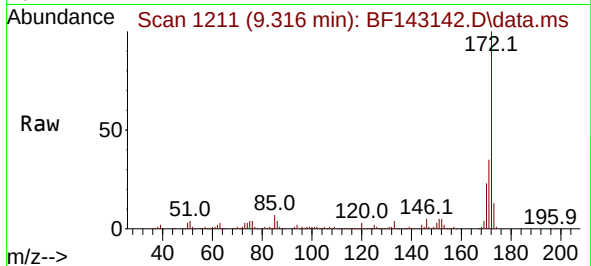




#45
2-Fluorobiphenyl
Concen: 22.489 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

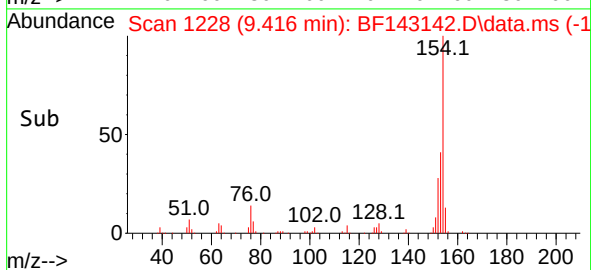
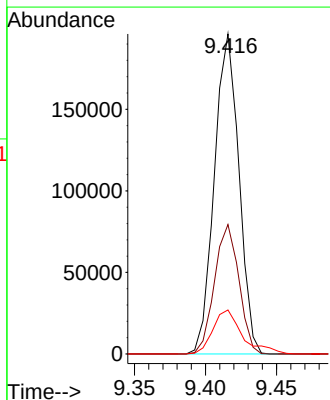
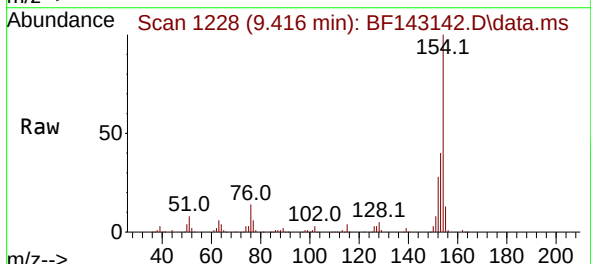
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

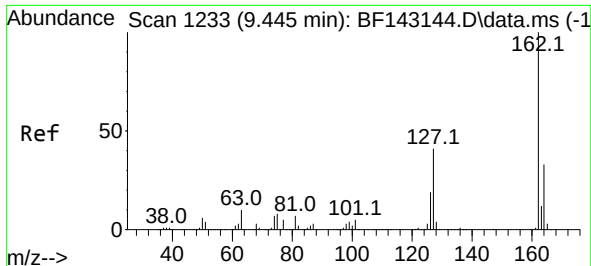
Tgt Ion:172 Resp: 464669
Ion Ratio Lower Upper
172 100
171 34.8 28.6 42.8
170 23.2 18.8 28.2



#46
1,1'-Biphenyl
Concen: 10.680 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:154 Resp: 235467
Ion Ratio Lower Upper
154 100
153 40.5 20.3 60.3
76 13.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 10.595 ng

RT: 9.439 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

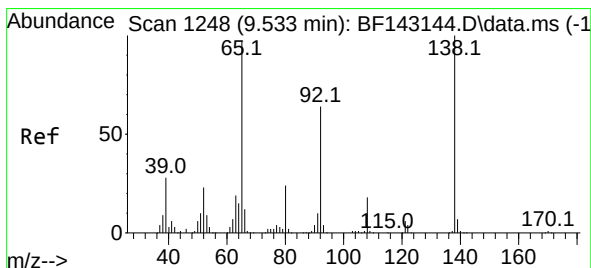
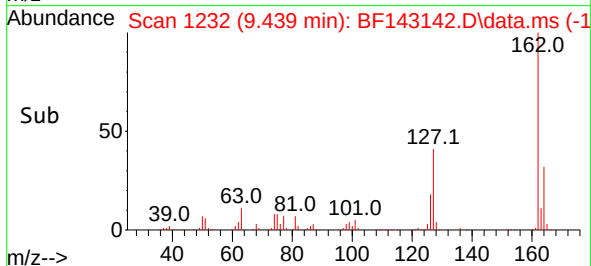
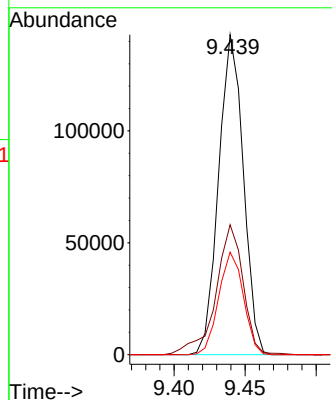
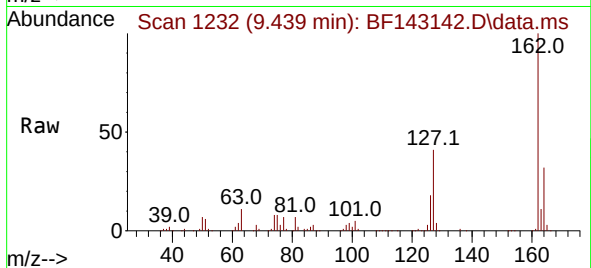
Tgt Ion:162 Resp: 172831

Ion Ratio Lower Upper

162 100

127 40.6 33.4 50.2

164 32.0 26.2 39.2



#48

2-Nitroaniline

Concen: 9.198 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

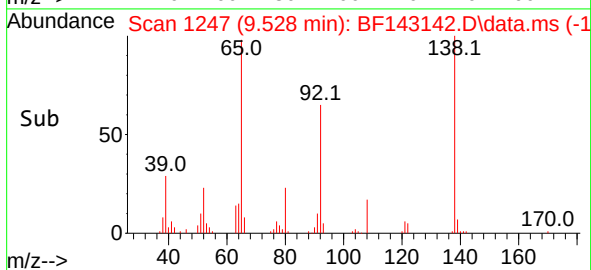
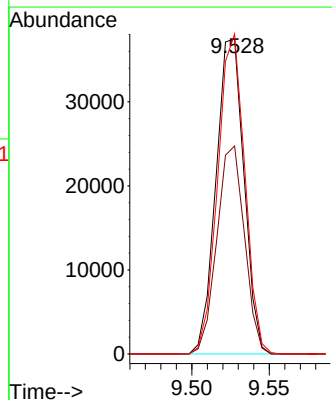
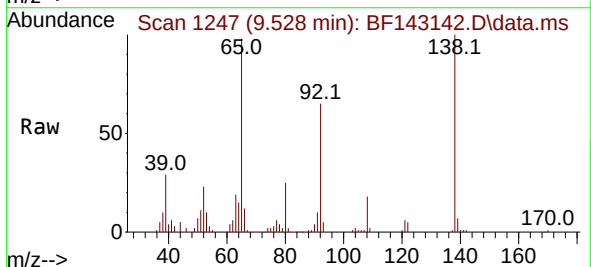
Tgt Ion: 65 Resp: 47055

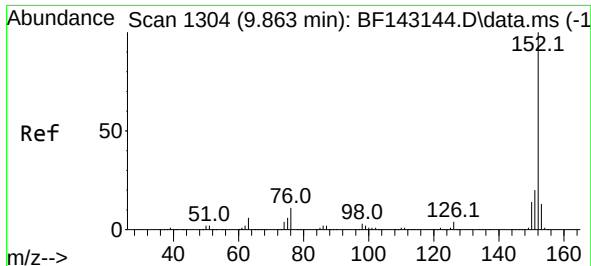
Ion Ratio Lower Upper

65 100

92 66.0 52.4 78.6

138 101.6 82.3 123.5

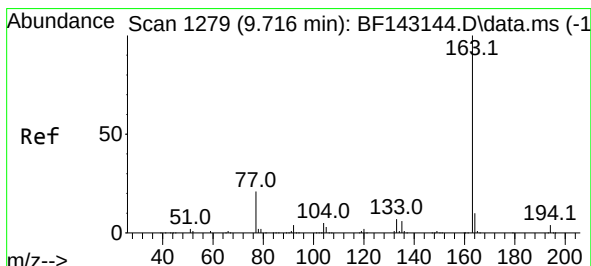
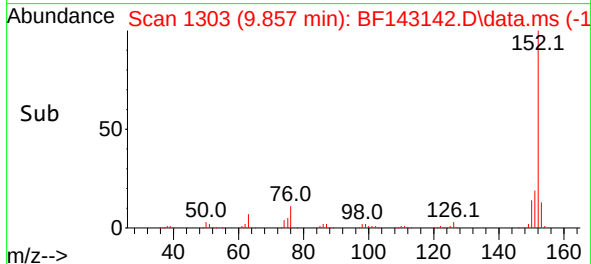
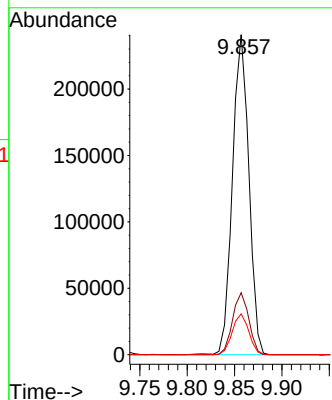
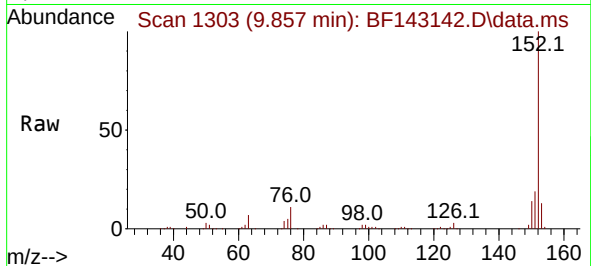




#49
Acenaphthylene
Concen: 10.607 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

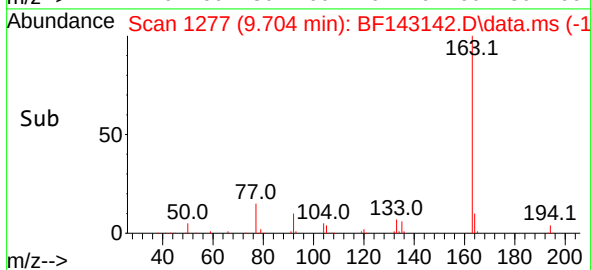
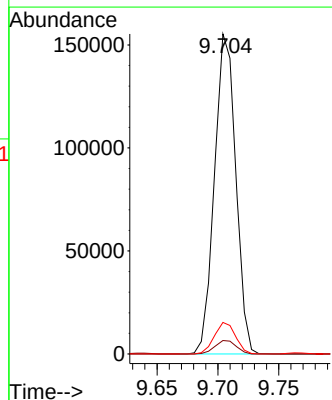
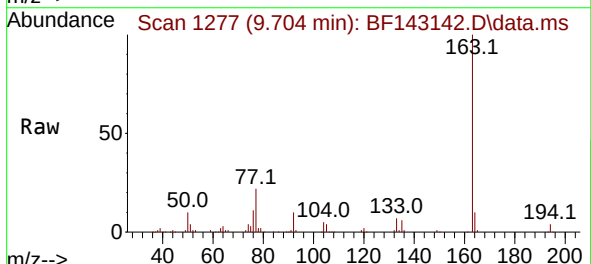
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

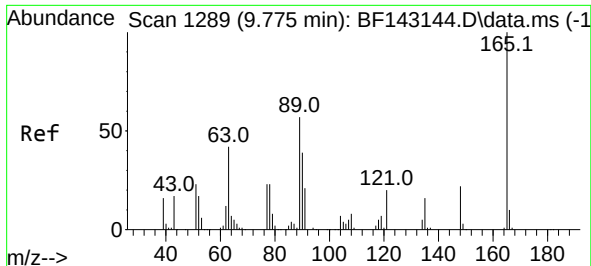
Tgt Ion:152 Resp: 289989
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.2
153 12.8 10.6 16.0



#50
Dimethylphthalate
Concen: 10.283 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:163 Resp: 189399
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 9.9 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 9.438 ng

RT: 9.763 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

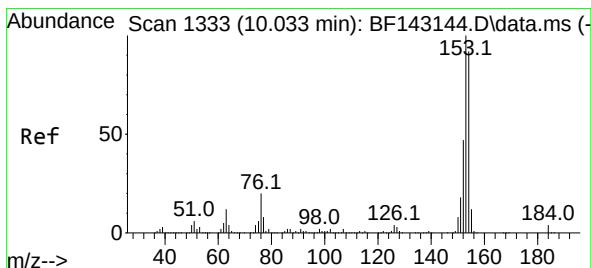
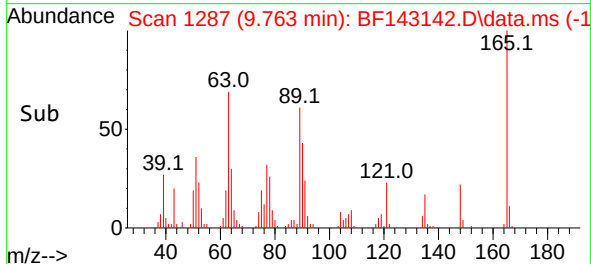
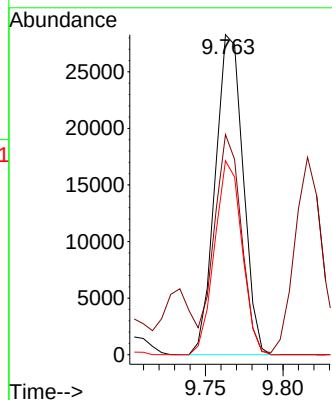
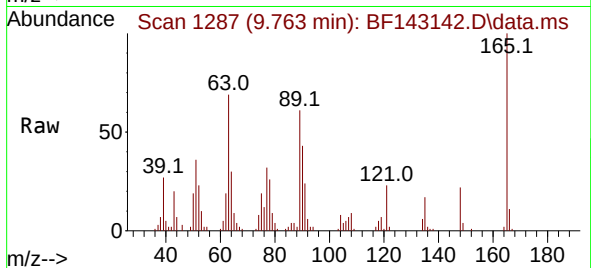
Tgt Ion:165 Resp: 35364

Ion Ratio Lower Upper

165 100

63 68.8 49.4 74.2

89 60.6 46.2 69.2



#52

Acenaphthene

Concen: 10.440 ng

RT: 10.028 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

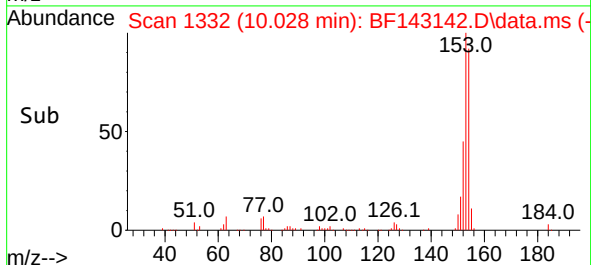
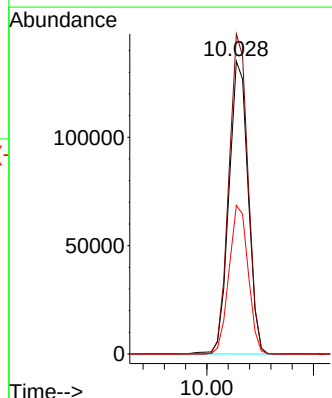
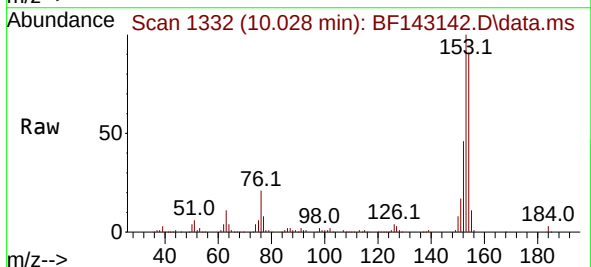
Tgt Ion:154 Resp: 168698

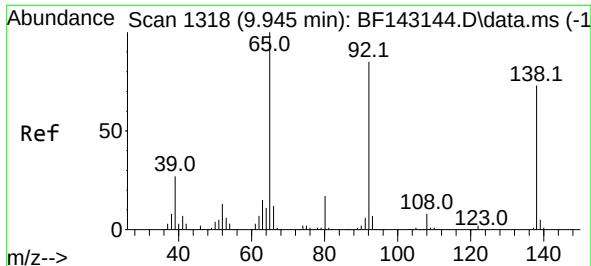
Ion Ratio Lower Upper

154 100

153 109.3 86.6 129.8

152 50.8 40.4 60.6

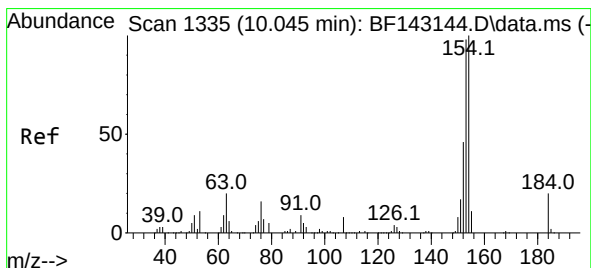
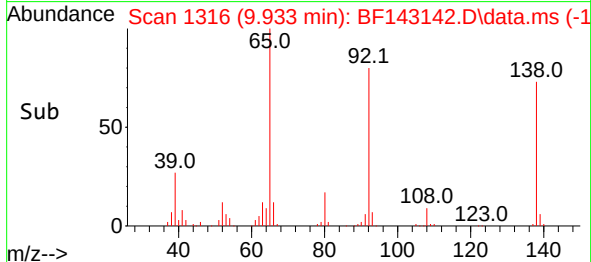
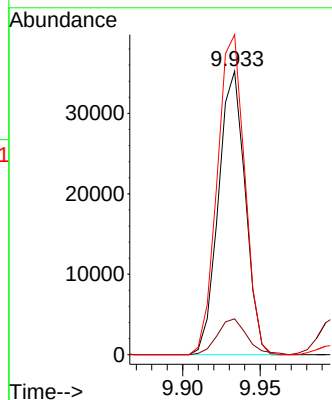
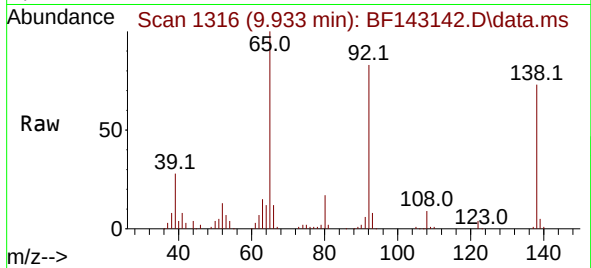




#53
3-Nitroaniline
Concen: 9.667 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

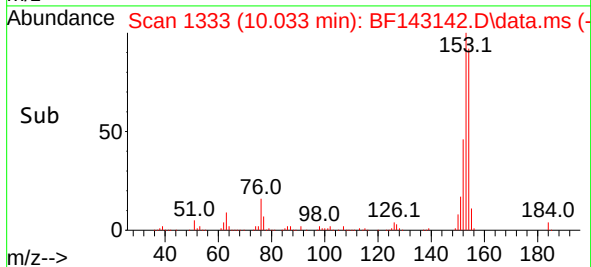
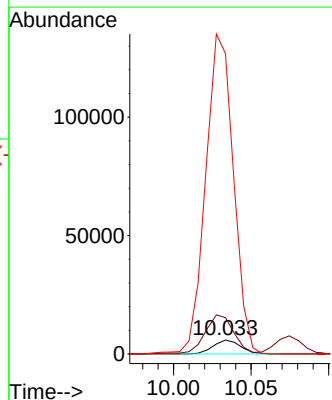
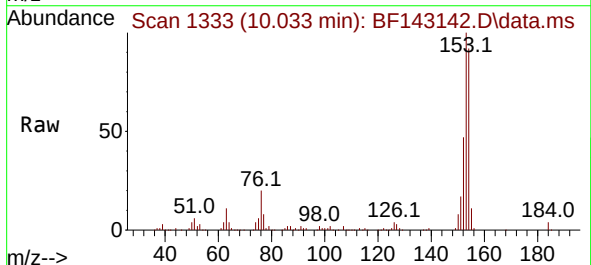
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

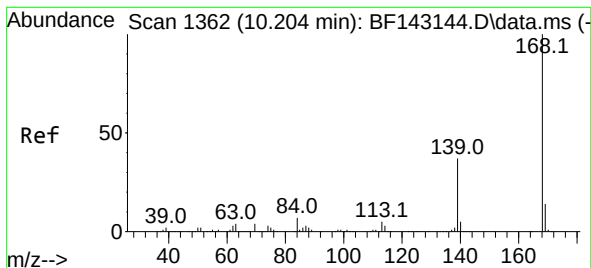
Tgt Ion:138 Resp: 42367
Ion Ratio Lower Upper
138 100
108 12.7 9.0 13.6
92 112.9 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 10.522 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:184 Resp: 7147
Ion Ratio Lower Upper
184 100
63 261.5 81.8 122.6#
154 2164.9 412.2 618.4#





#55

Dibenzenofuran

Concen: 10.641 ng

RT: 10.198 min Scan# 1361

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

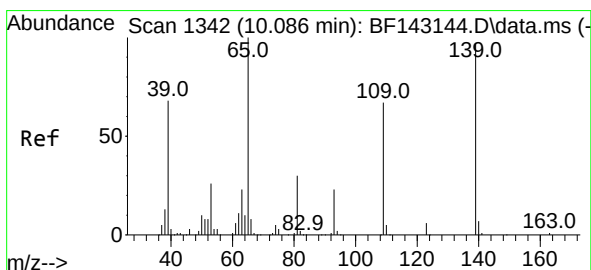
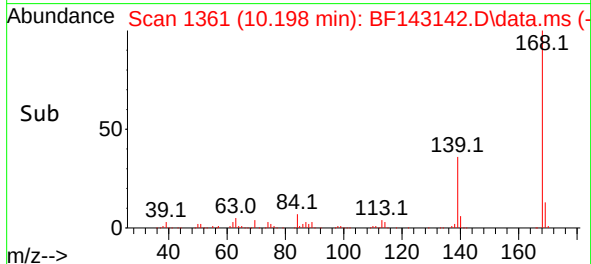
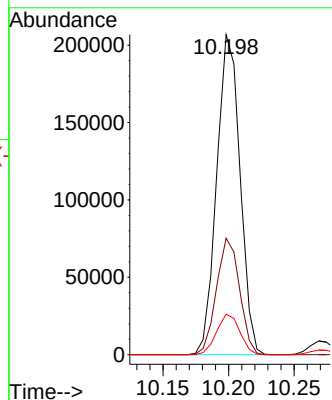
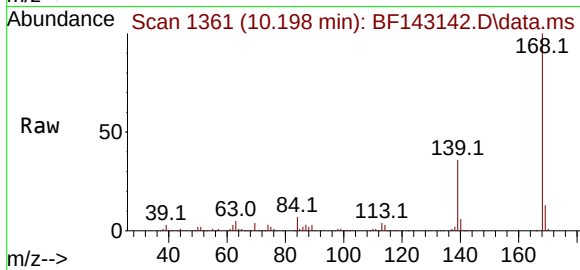
Tgt Ion:168 Resp: 255272

Ion Ratio Lower Upper

168 100

139 36.4 29.5 44.3

169 12.7 10.9 16.3



#56

4-Nitrophenol

Concen: 8.627 ng

RT: 10.075 min Scan# 1340

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

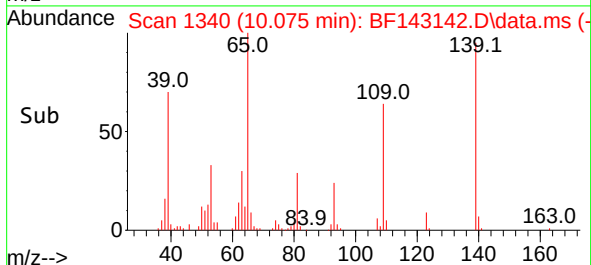
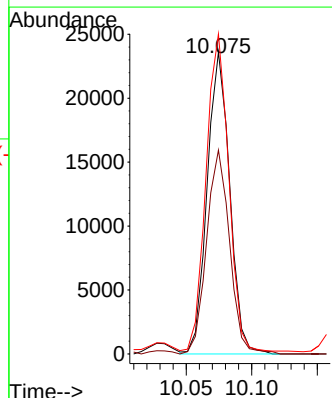
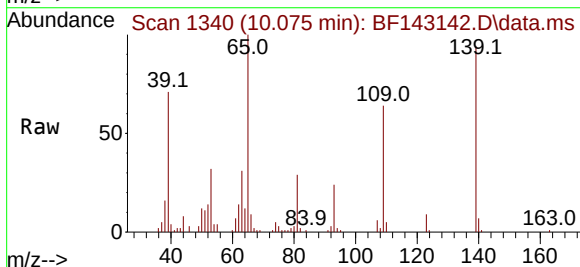
Tgt Ion:139 Resp: 28233

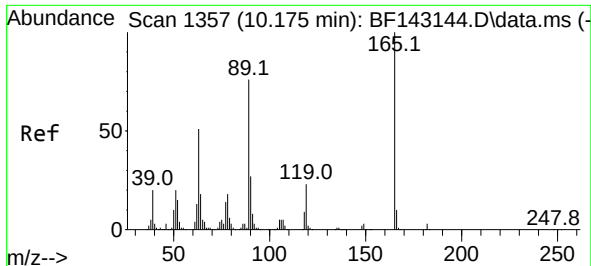
Ion Ratio Lower Upper

139 100

109 67.5 48.5 88.5

65 106.0 83.4 123.4

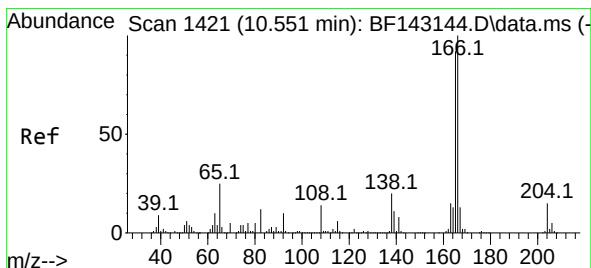
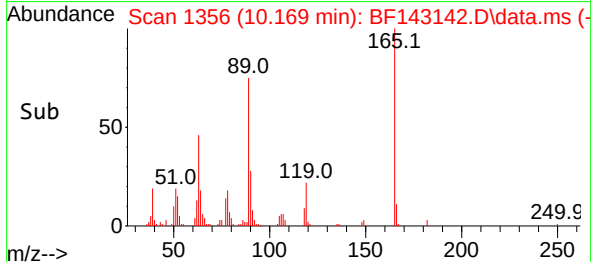
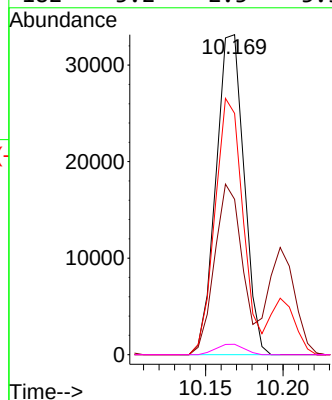
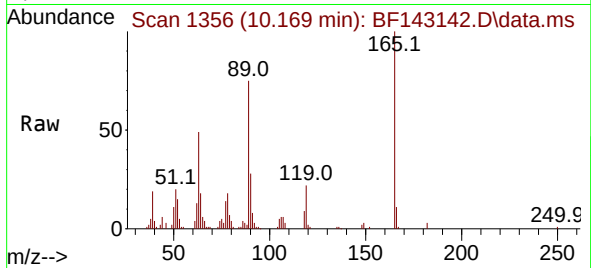




#57
2,4-Dinitrotoluene
Concen: 8.895 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

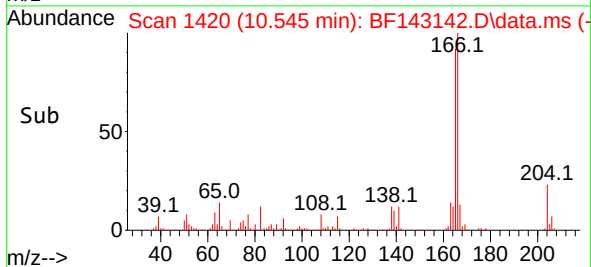
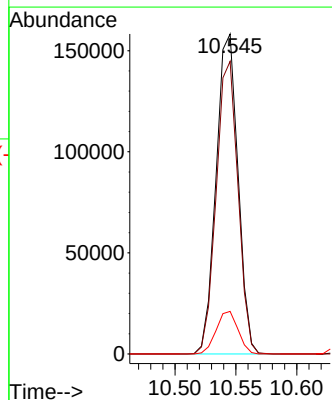
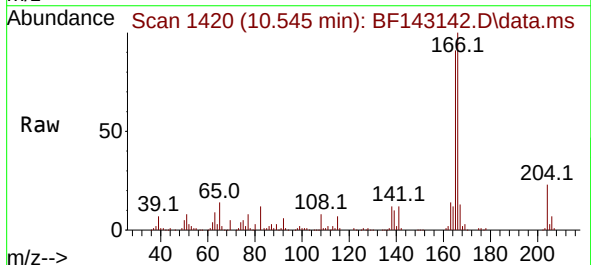
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

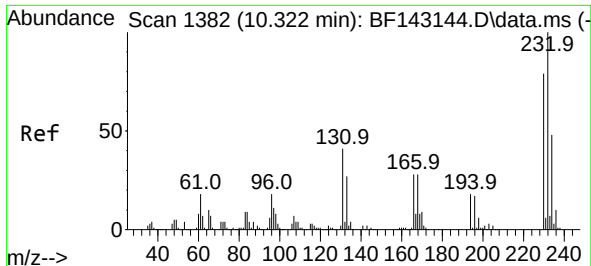
Tgt Ion:165 Resp: 41815
Ion Ratio Lower Upper
165 100
63 48.5 41.0 61.4
89 75.4 61.1 91.7
182 3.2 2.3 3.5



#58
Fluorene
Concen: 10.999 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:166 Resp: 198041
Ion Ratio Lower Upper
166 100
165 91.4 73.7 110.5
167 13.3 10.6 16.0

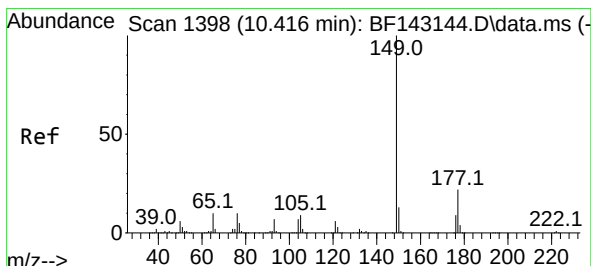
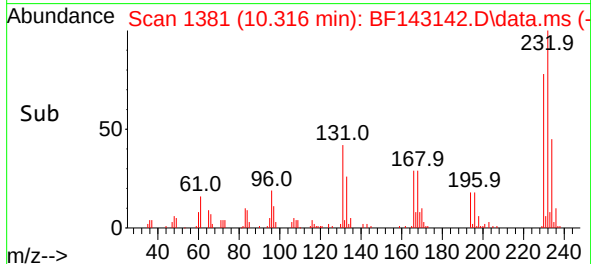
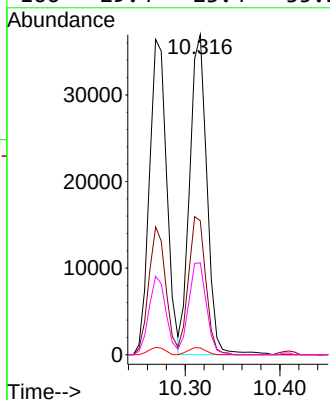
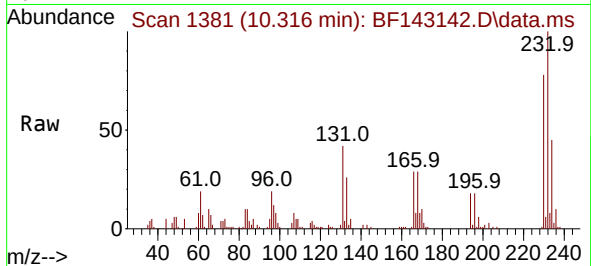




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.986 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

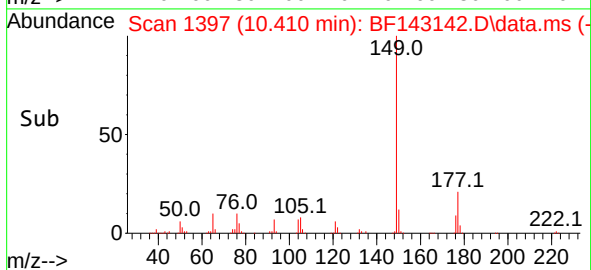
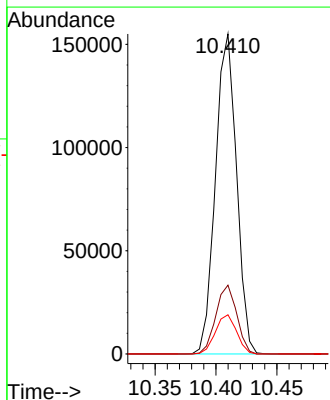
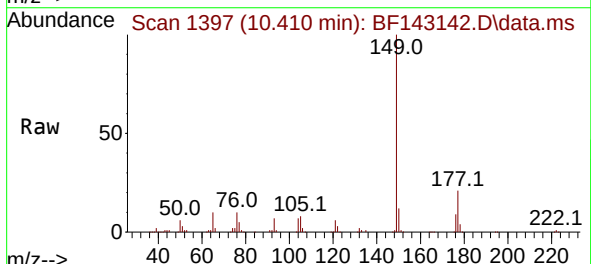
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

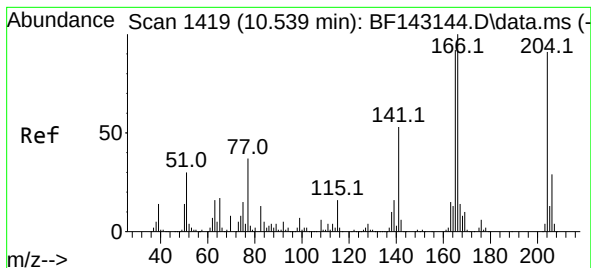
Tgt Ion:232 Resp: 46720
Ion Ratio Lower Upper
232 100
131 43.0 35.3 52.9
130 2.2 1.7 2.5
166 29.4 23.4 35.2



#60
Diethylphthalate
Concen: 10.261 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 186802
Ion Ratio Lower Upper
149 100
177 21.5 17.5 26.3
150 12.3 10.2 15.2

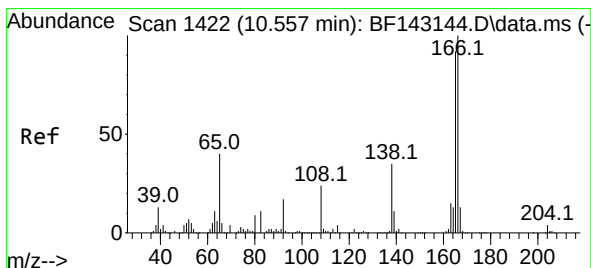
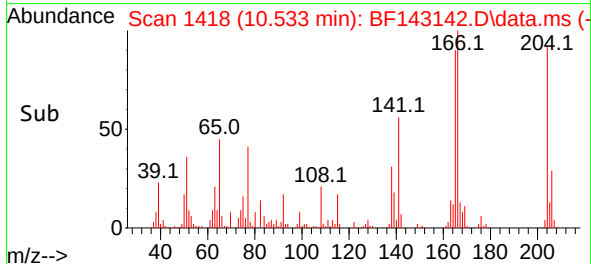
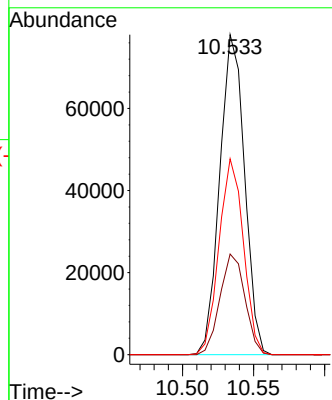
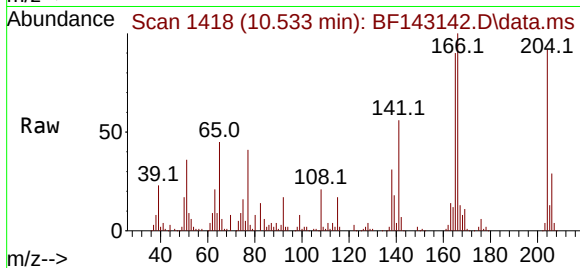




#61
4-Chlorophenyl-phenylether
Concen: 10.561 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

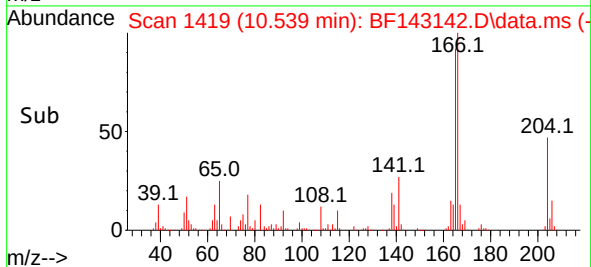
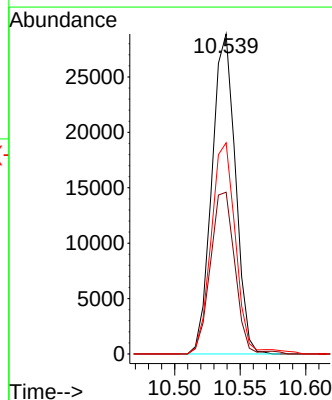
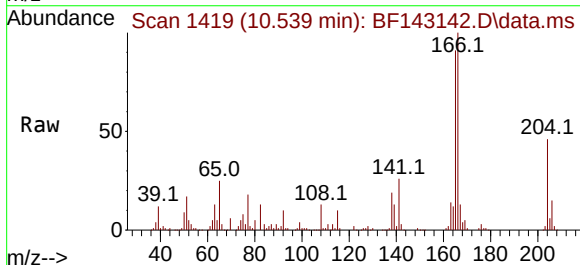
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

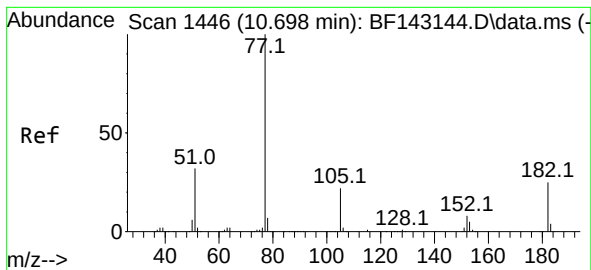
Tgt Ion:204 Resp: 94685
Ion Ratio Lower Upper
204 100
206 31.4 25.8 38.8
141 61.2 47.0 70.4



#62
4-Nitroaniline
Concen: 9.574 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:138 Resp: 35962
Ion Ratio Lower Upper
138 100
92 50.5 29.3 69.3
108 66.0 48.3 88.3

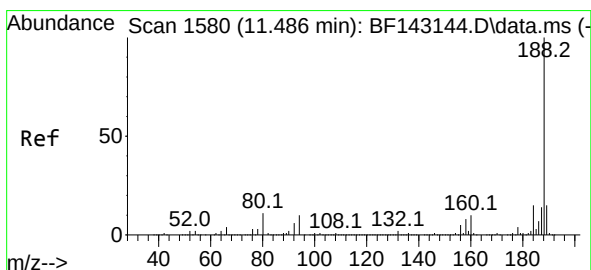
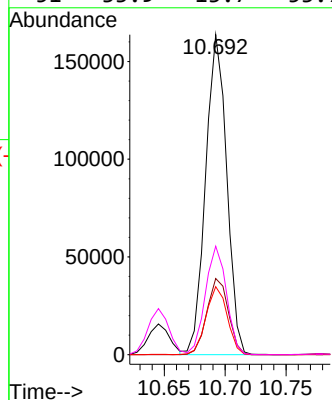
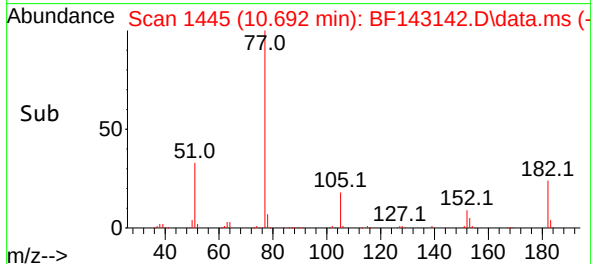
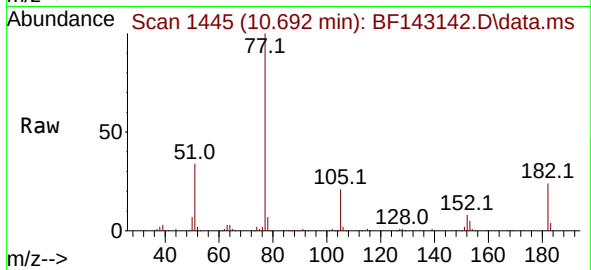




#63
Azobenzene
Concen: 10.435 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

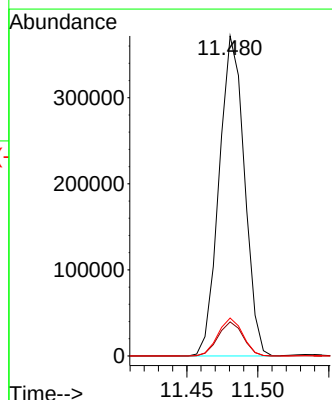
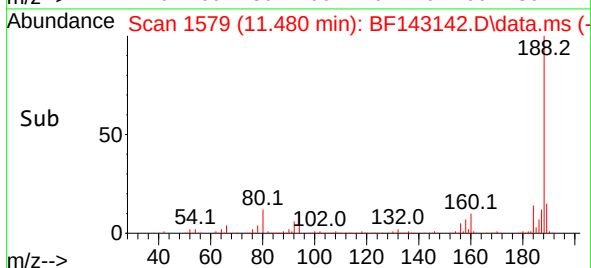
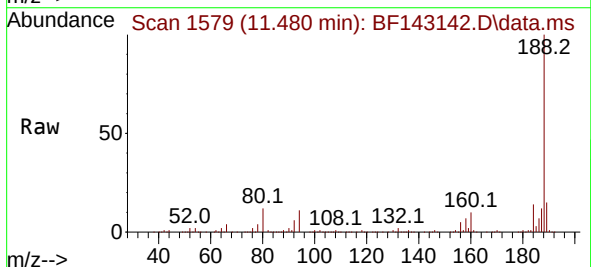
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

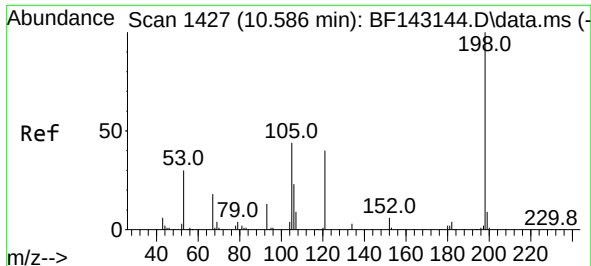
Tgt Ion: 77	Resp: 197998
Ion Ratio	Lower Upper
77 100	
182 23.8	4.6 44.6
105 21.2	1.4 41.4
51 33.9	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:188	Resp: 461255
Ion Ratio	Lower Upper
188 100	
94 10.7	8.3 12.5
80 11.8	9.0 13.6

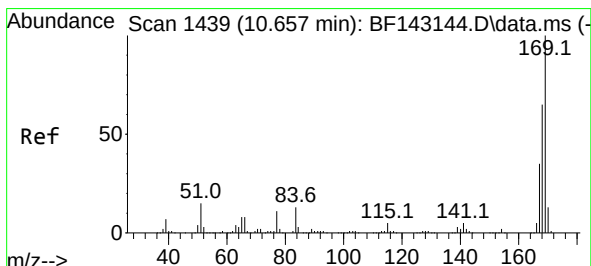
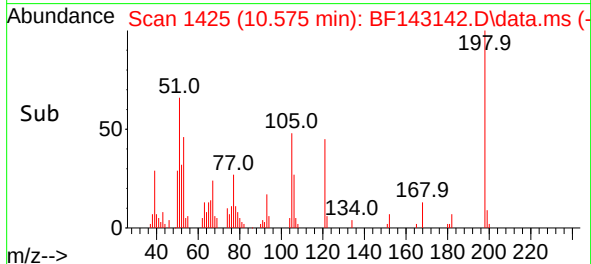
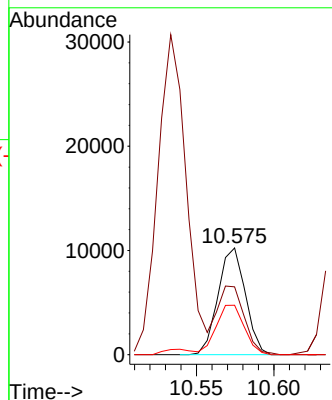
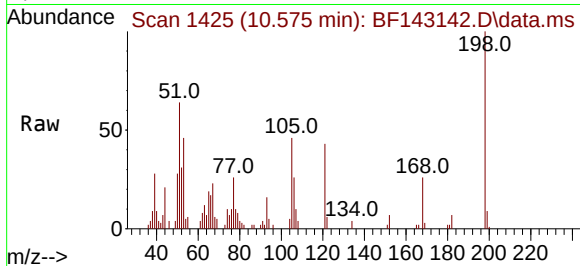




#65
4,6-Dinitro-2-methylphenol
Concen: 10.014 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.011 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

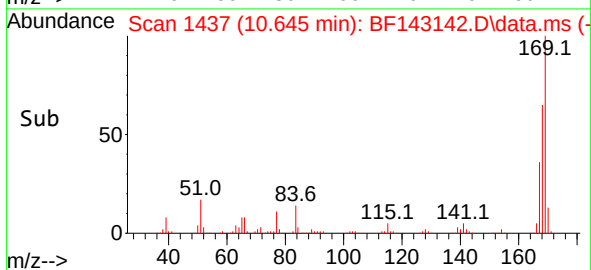
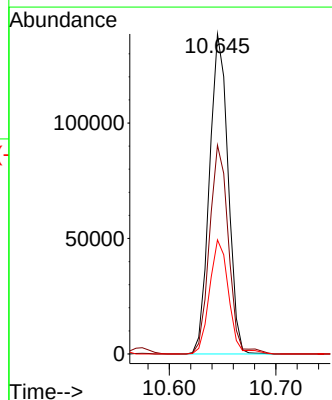
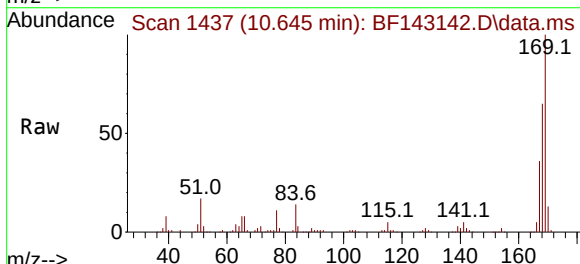
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

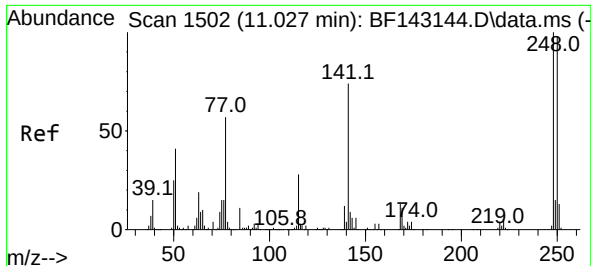
Tgt Ion:198 Resp: 12541
Ion Ratio Lower Upper
198 100
51 63.6 37.2 77.2
105 46.4 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 10.337 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:169 Resp: 167901
Ion Ratio Lower Upper
169 100
168 65.2 52.1 78.1
167 35.6 28.2 42.2





#67

4-Bromophenyl-phenylether

Concen: 9.978 ng

RT: 11.022 min Scan# 1502

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

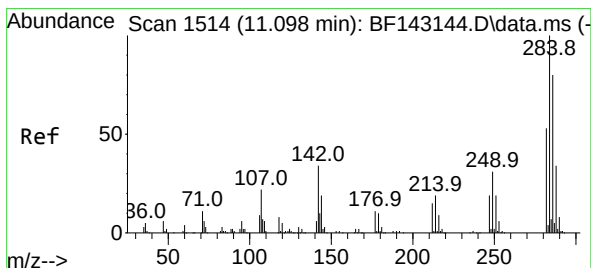
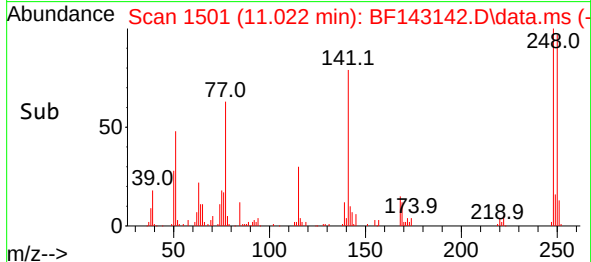
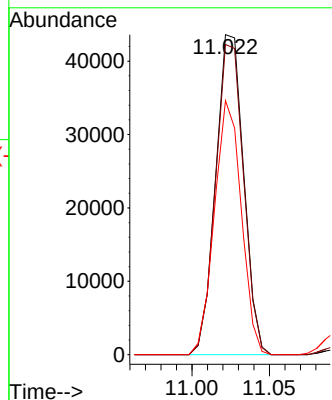
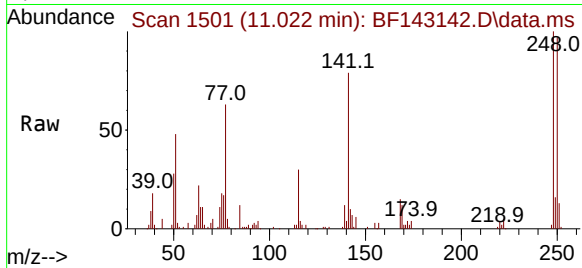
Tgt Ion:248 Resp: 54849

Ion Ratio Lower Upper

248 100

250 97.0 78.3 117.5

141 79.4 59.2 88.8



#68

Hexachlorobenzene

Concen: 9.974 ng

RT: 11.092 min Scan# 1513

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

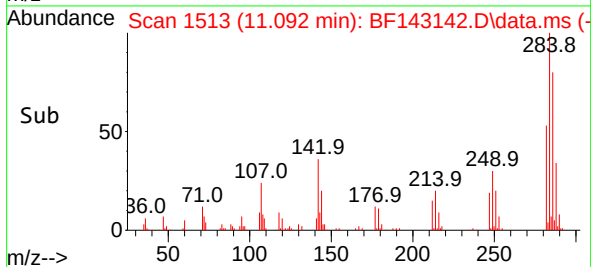
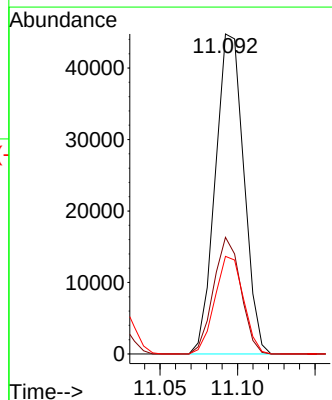
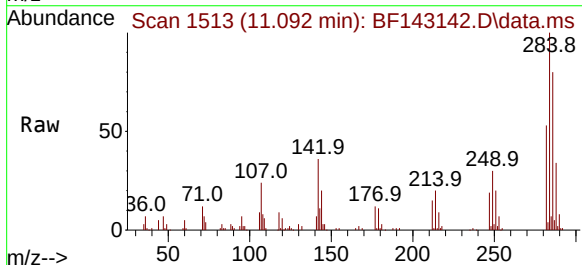
Tgt Ion:284 Resp: 57305

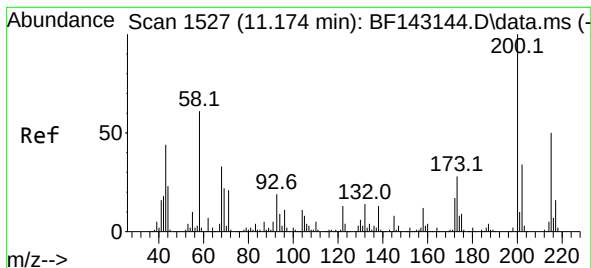
Ion Ratio Lower Upper

284 100

142 36.4 27.0 40.6

249 30.5 25.0 37.6





#69

Atrazine

Concen: 9.613 ng

RT: 11.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

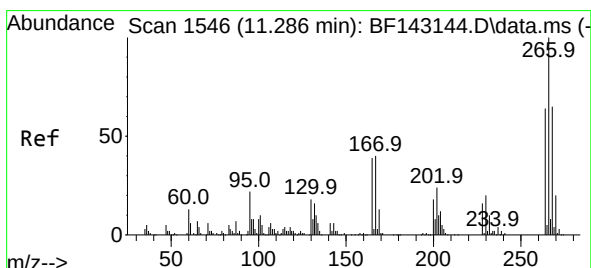
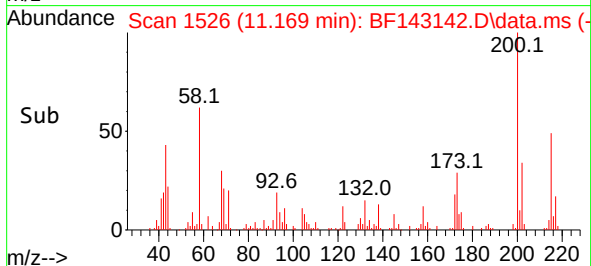
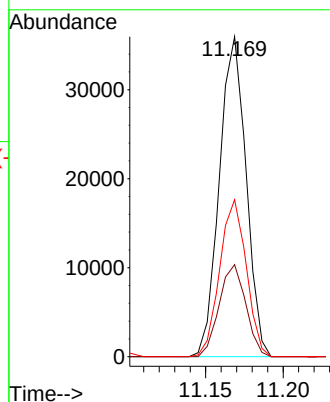
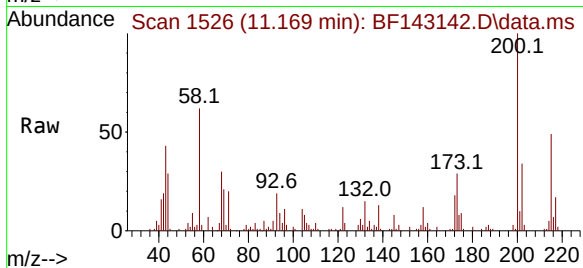
Tgt Ion:200 Resp: 43045

Ion Ratio Lower Upper

200 100

173 28.7 7.9 47.9

215 49.1 30.1 70.1



#70

Pentachlorophenol

Concen: 8.148 ng

RT: 11.280 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

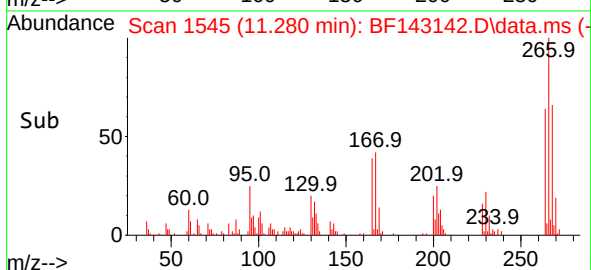
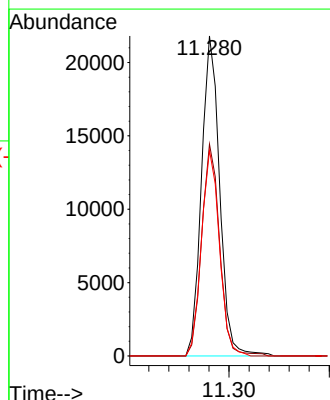
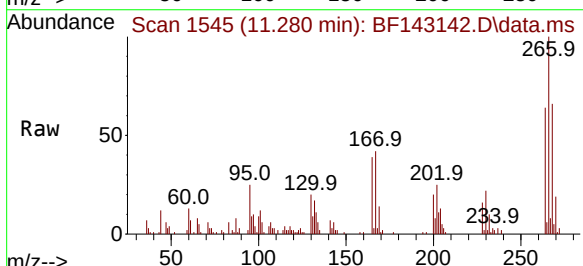
Tgt Ion:266 Resp: 27529

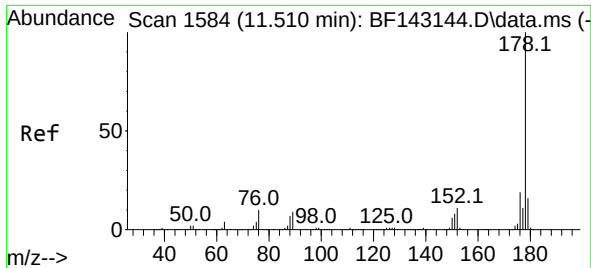
Ion Ratio Lower Upper

266 100

268 66.2 51.9 77.9

264 64.3 51.0 76.6

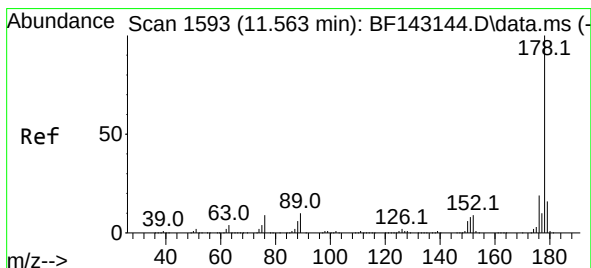
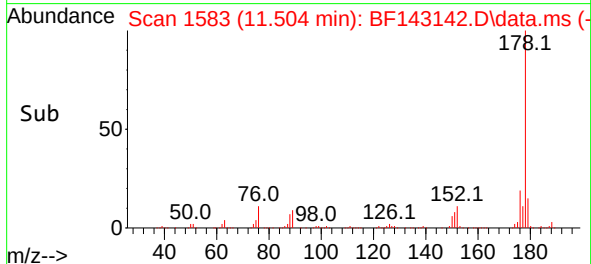
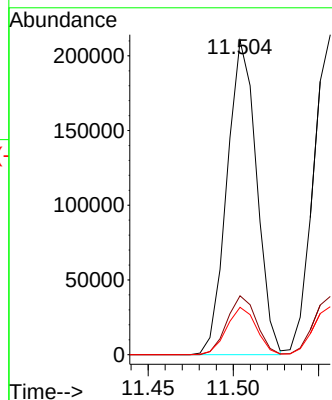
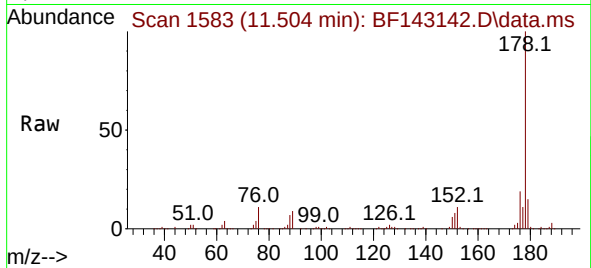




#71
Phenanthrene
Concen: 10.361 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

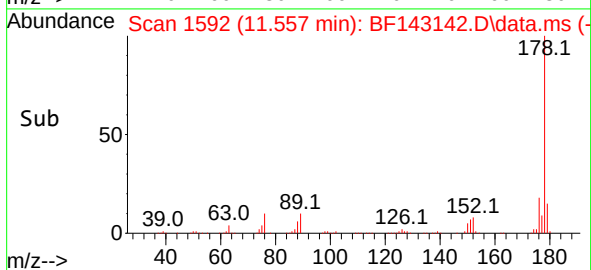
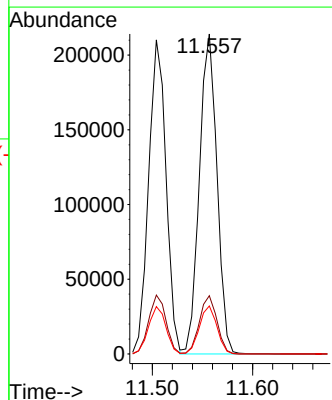
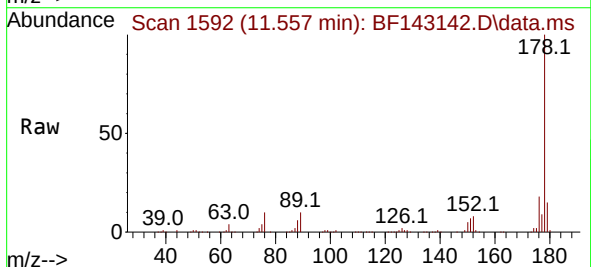
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

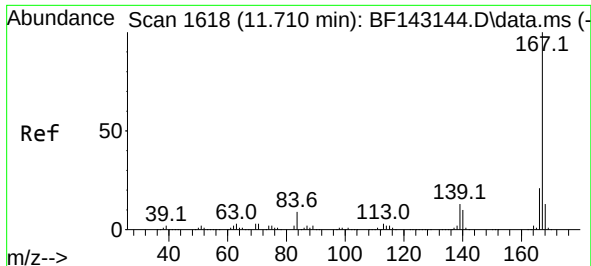
Tgt Ion:178 Resp: 253750
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.1 12.5 18.7



#72
Anthracene
Concen: 10.487 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

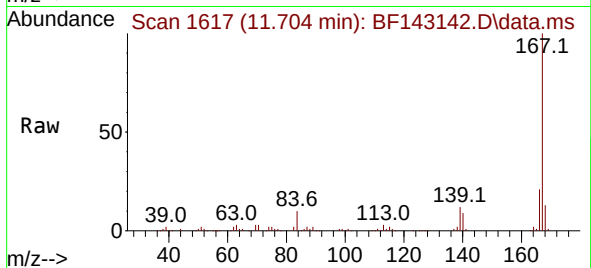
Tgt Ion:178 Resp: 261960
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 15.0 12.5 18.7



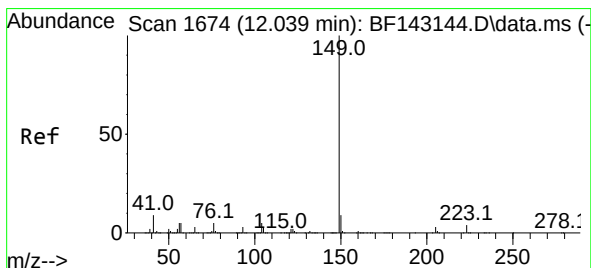
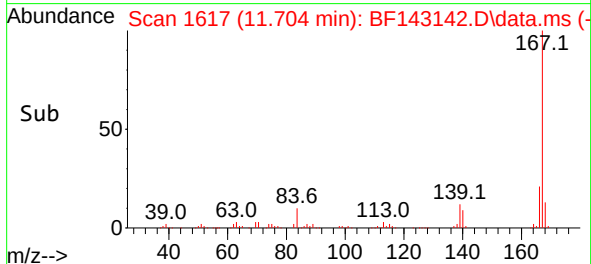
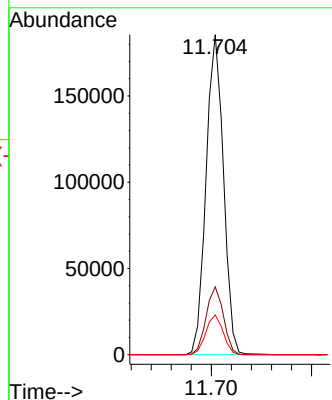


#73
 Carbazole
 Concen: 10.241 ng
 RT: 11.704 min Scan# 1617
 Delta R.T. -0.006 min
 Lab File: BF143142.D
 Acq: 17 Jul 2025 12:04

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

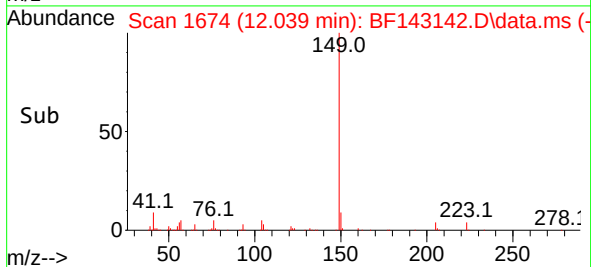
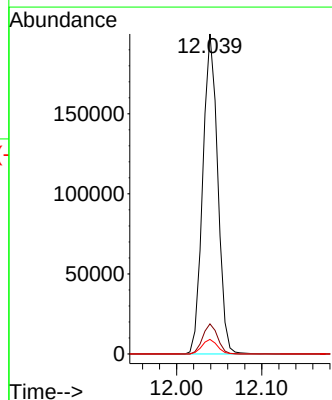
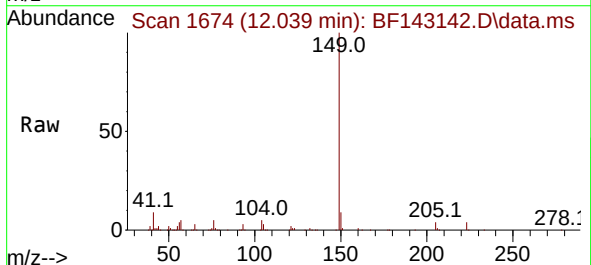


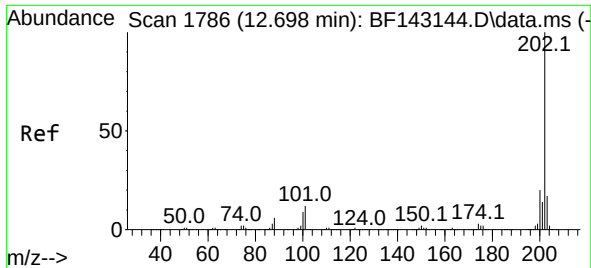
Tgt Ion:167 Resp: 223376
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.4 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 9.852 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143142.D
 Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 243142
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 4.6 3.8 5.8

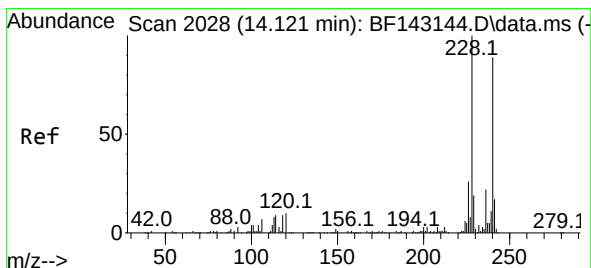
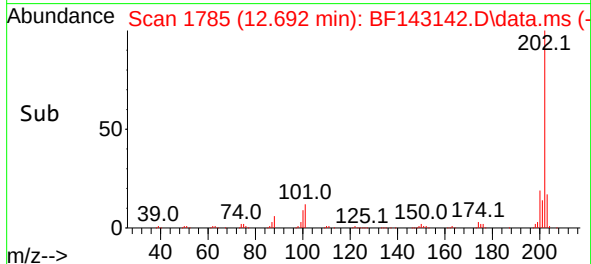
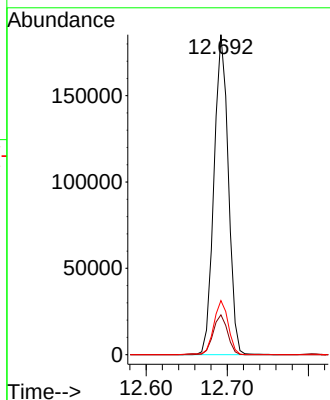
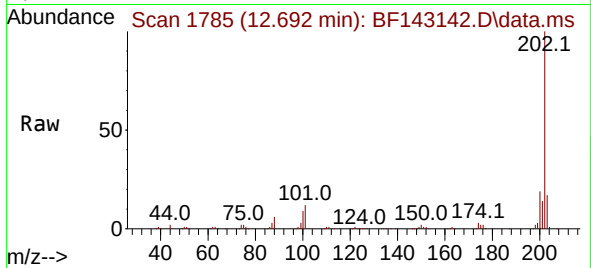




#75
Fluoranthene
Concen: 10.129 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

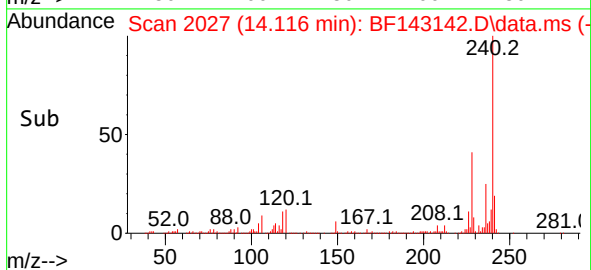
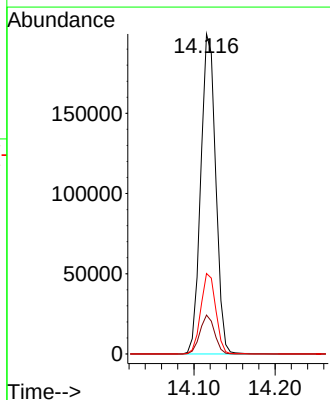
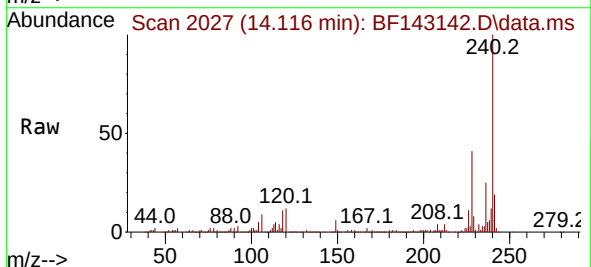
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

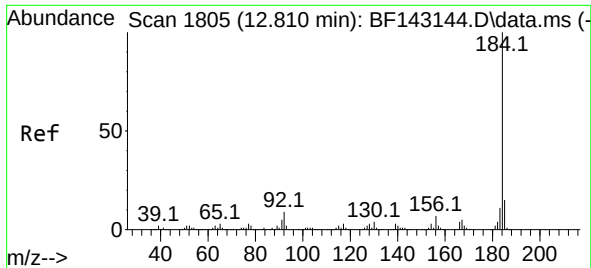
Tgt Ion:	202	Resp:	227701
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	31.7
203	16.9	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:	240	Resp:	254650
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.4	14.2
236	25.1	20.2	30.4

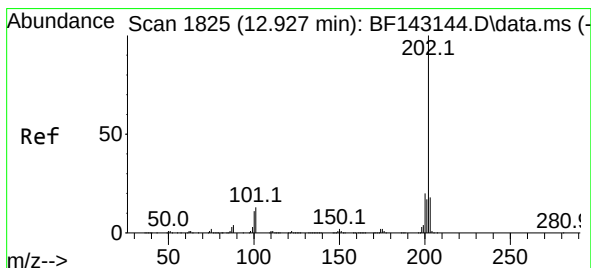
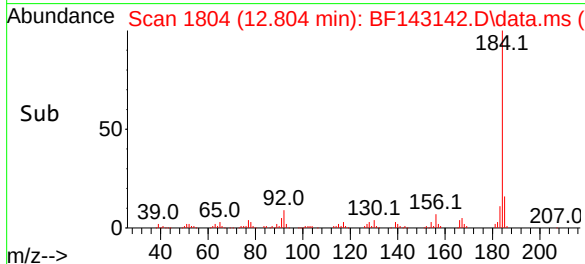
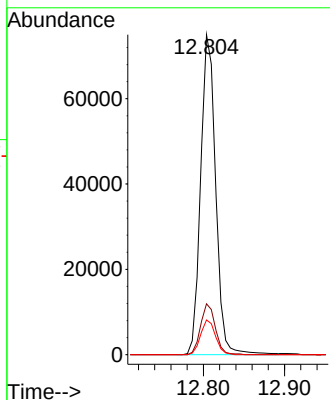
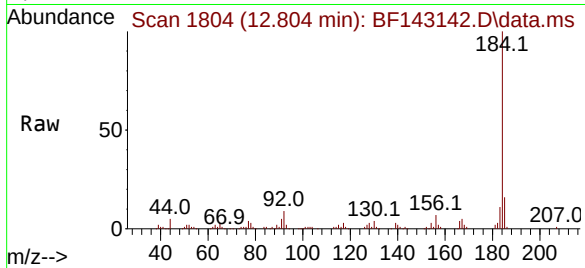




#77
Benzidine
Concen: 9.834 ng
RT: 12.804 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

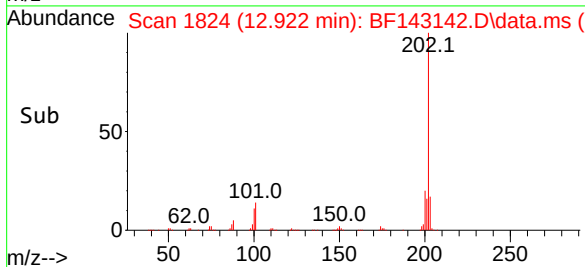
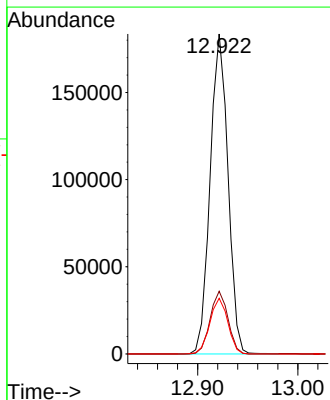
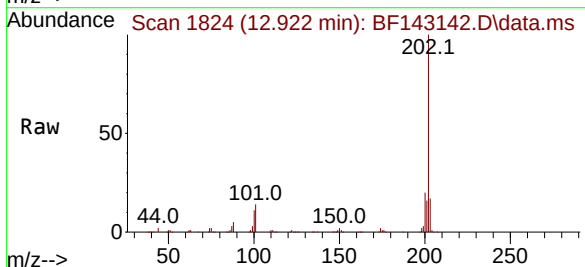
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

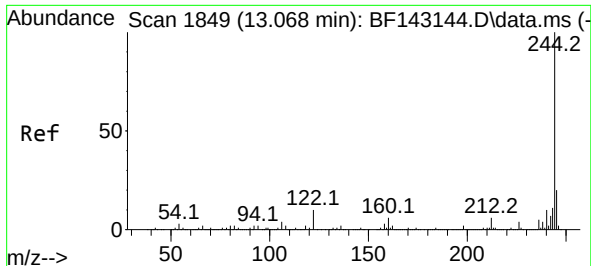
Tgt Ion:184 Resp: 96484
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.4
183 10.9 9.0 13.4



#78
Pyrene
Concen: 10.445 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:202 Resp: 227008
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 17.4 14.2 21.2

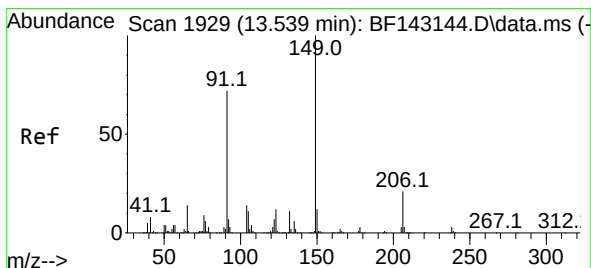
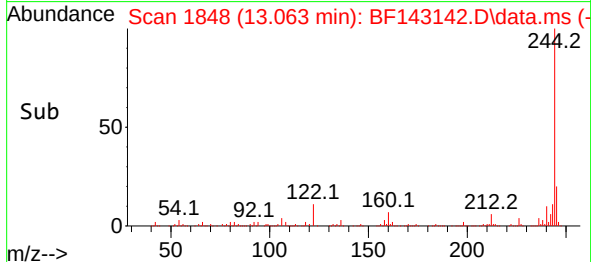
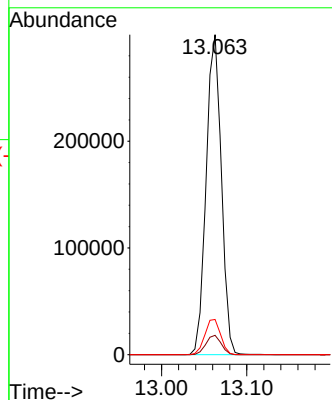
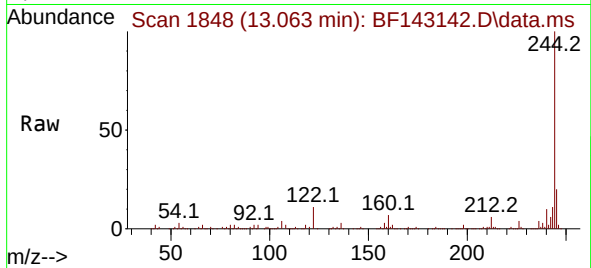




#79
 Terphenyl-d14
 Concen: 21.669 ng
 RT: 13.063 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF143142.D
 Acq: 17 Jul 2025 12:04

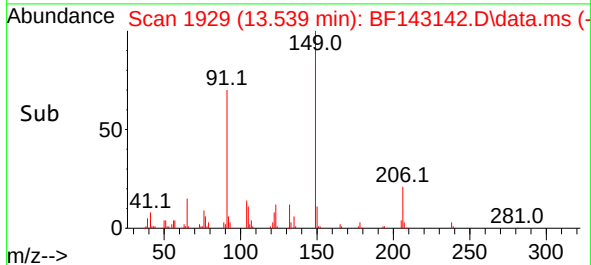
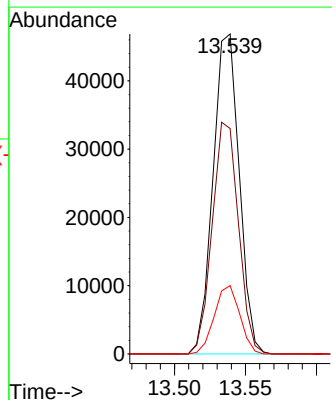
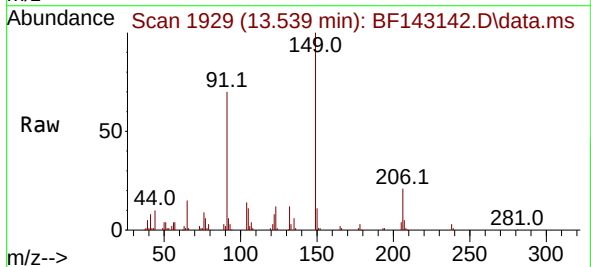
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

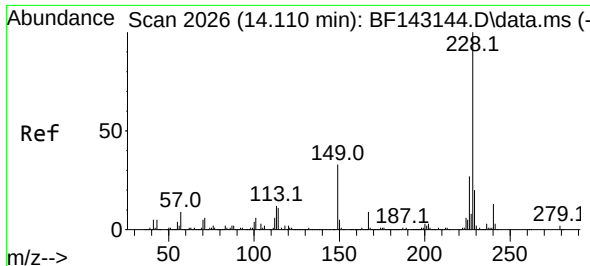
Tgt Ion:244 Resp: 370808
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.2 7.8
 122 11.0 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 9.024 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. 0.000 min
 Lab File: BF143142.D
 Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 60055
 Ion Ratio Lower Upper
 149 100
 91 70.4 57.9 86.9
 206 21.3 17.0 25.4

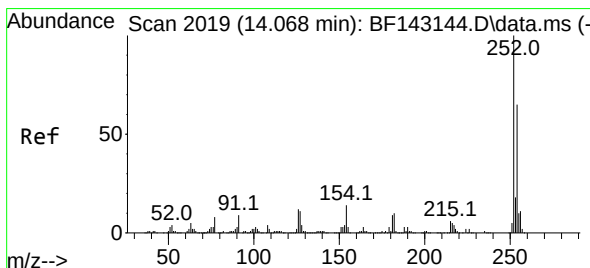
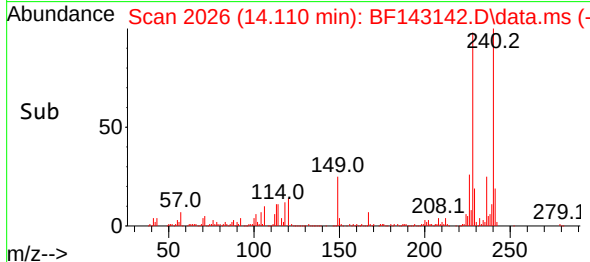
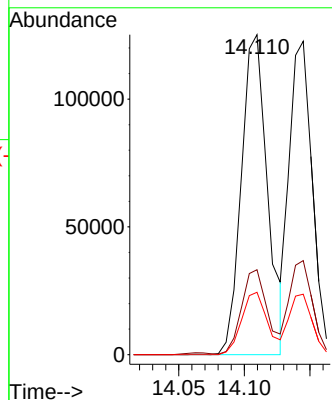
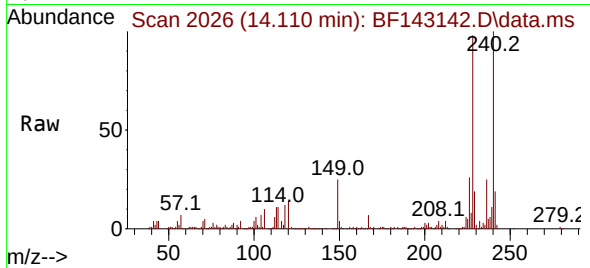




#81
Benzo(a)anthracene
Concen: 10.207 ng
RT: 14.110 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

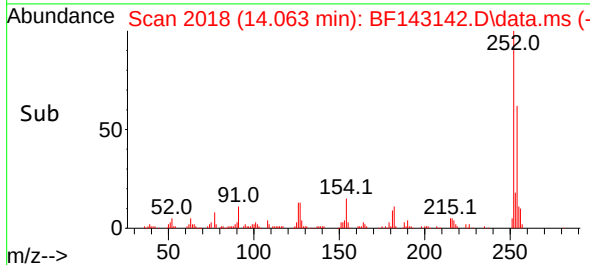
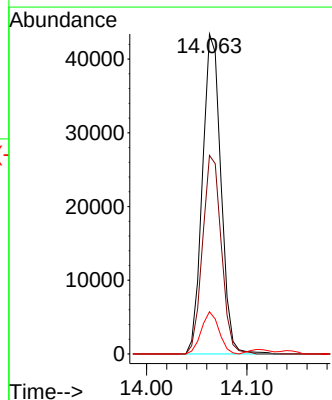
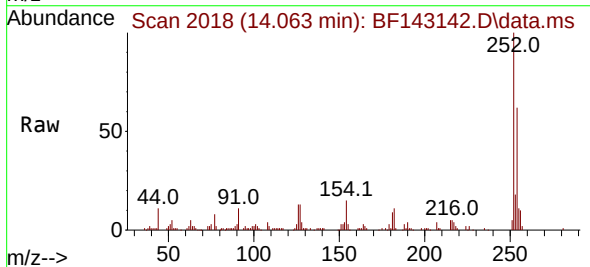
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

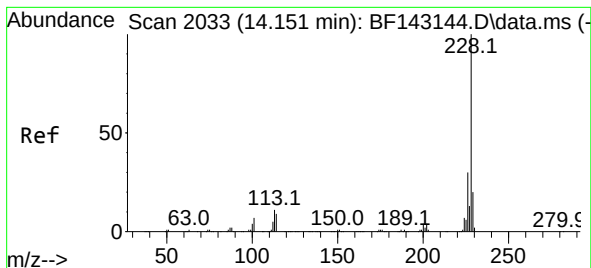
Tgt Ion:228 Resp: 174020
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.5 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 9.802 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:252 Resp: 55694
Ion Ratio Lower Upper
252 100
254 62.0 51.7 77.5
126 13.2 9.4 14.0





#83

Chrysene

Concen: 9.750 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

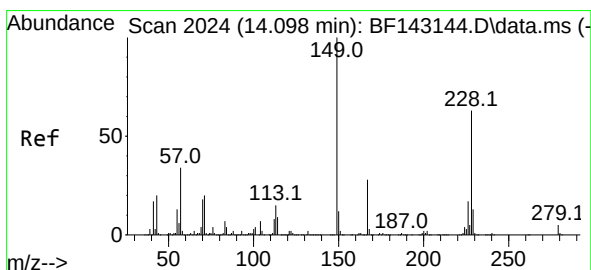
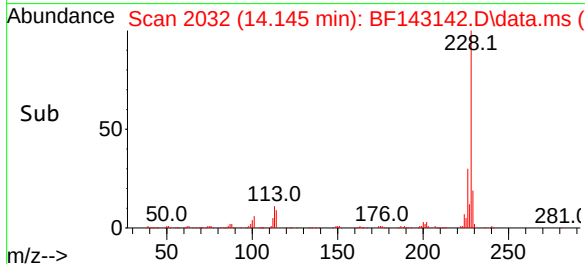
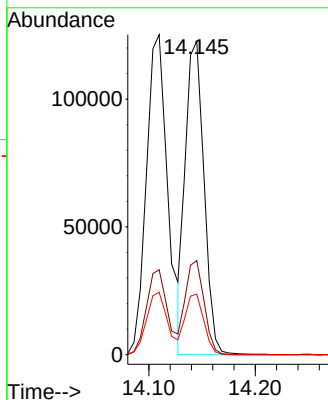
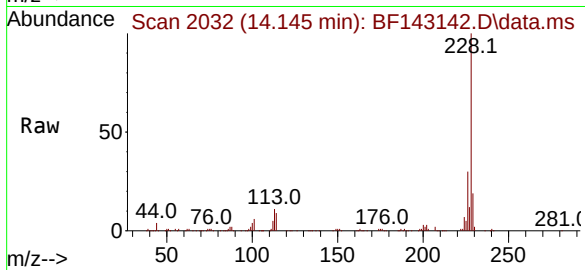
Tgt Ion:228 Resp: 149446

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 19.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.549 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

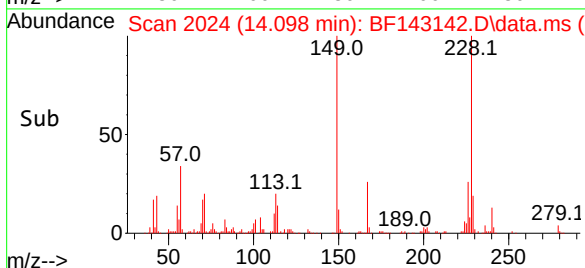
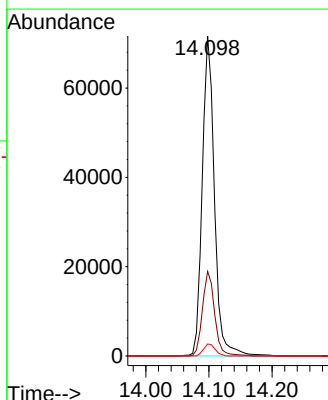
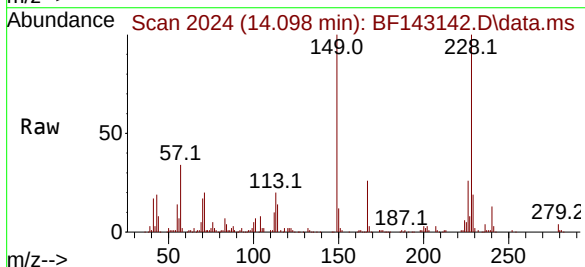
Tgt Ion:149 Resp: 96191

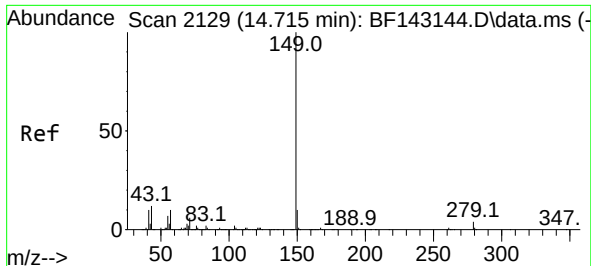
Ion Ratio Lower Upper

149 100

167 26.5 22.3 33.5

279 3.7 3.6 5.4

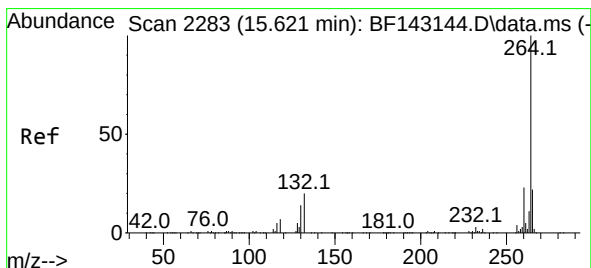
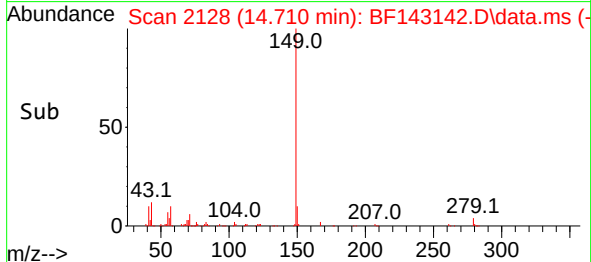
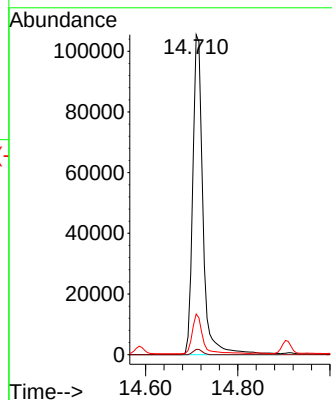
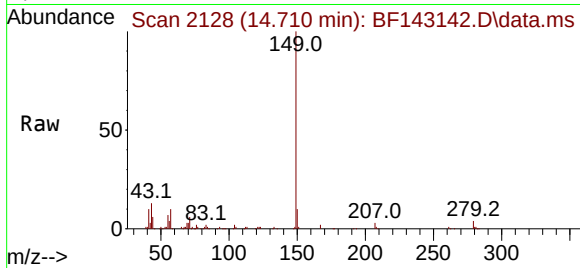




#85
Di-n-octyl phthalate
Concen: 8.881 ng
RT: 14.710 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

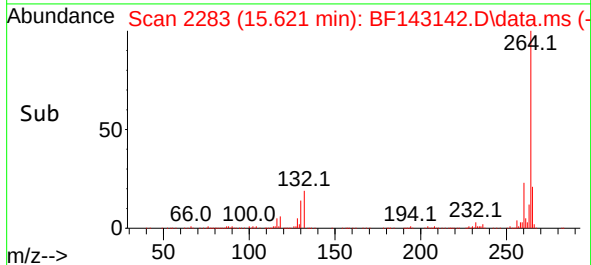
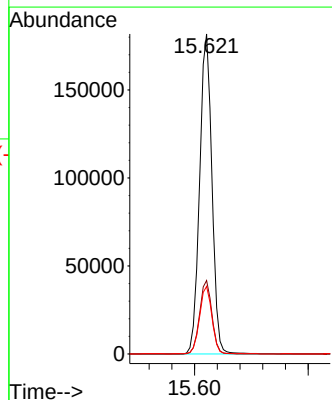
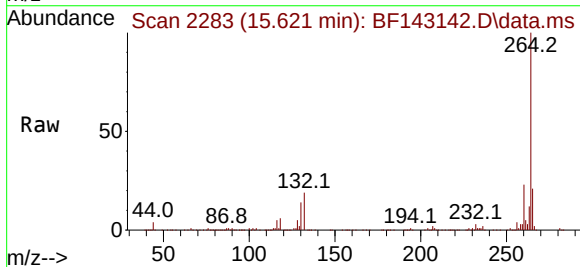
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

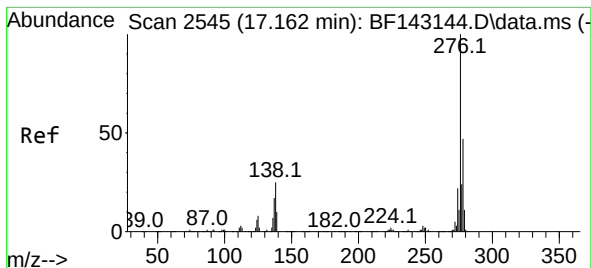
Tgt Ion:149 Resp: 162156
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.7 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:264 Resp: 273706
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.475 ng

RT: 17.145 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

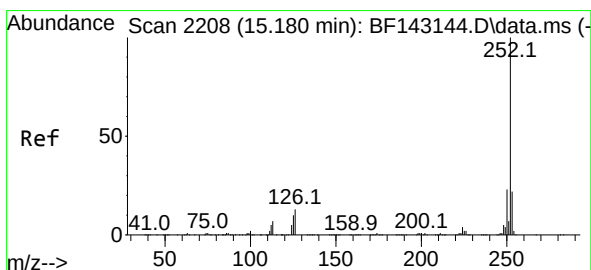
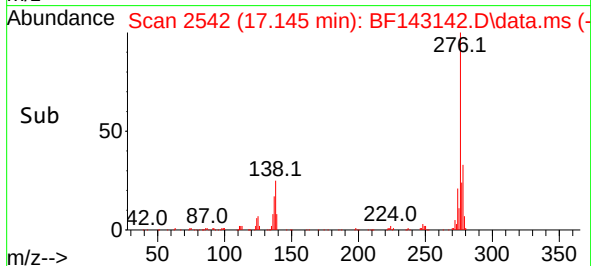
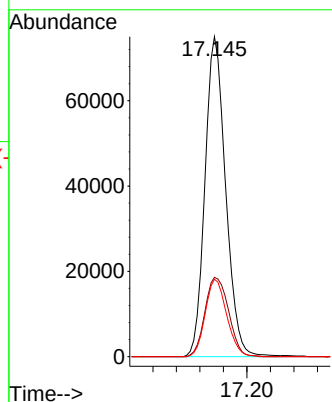
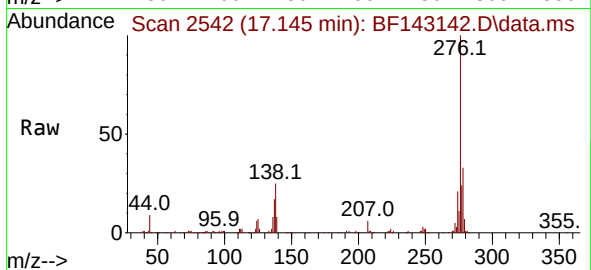
Tgt Ion:276 Resp: 182869

Ion Ratio Lower Upper

276 100

138 28.3 21.8 32.6

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 9.296 ng

RT: 15.174 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

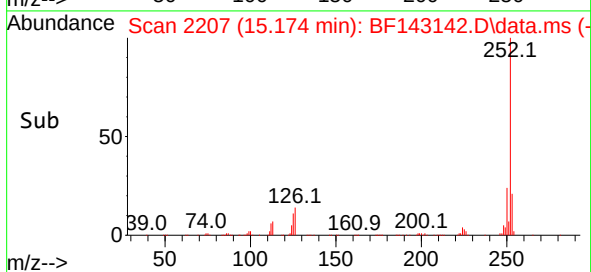
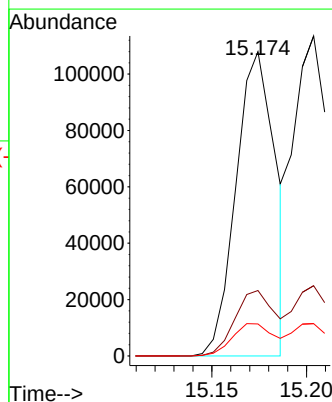
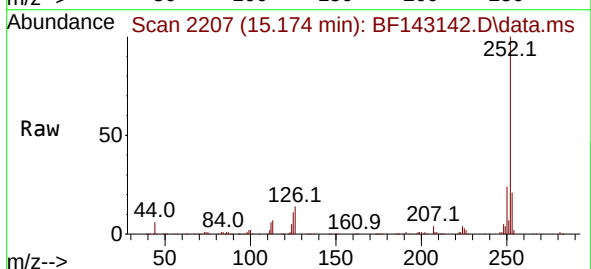
Tgt Ion:252 Resp: 155430

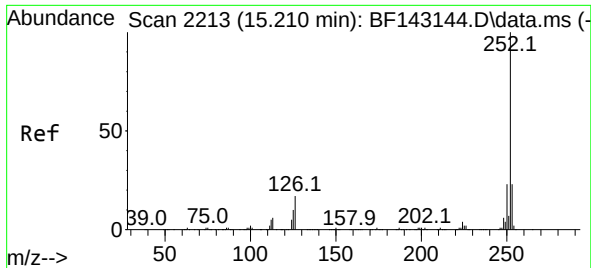
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 10.5 8.0 12.0

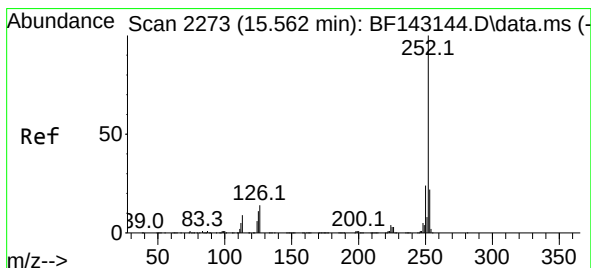
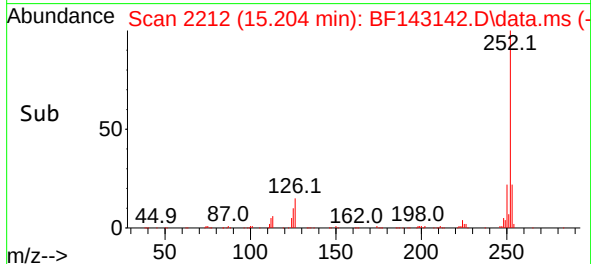
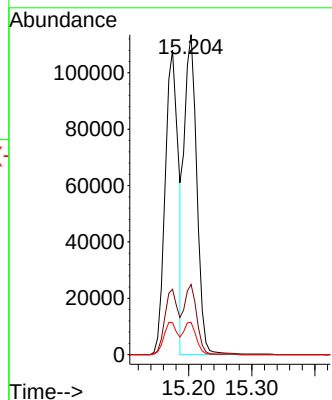
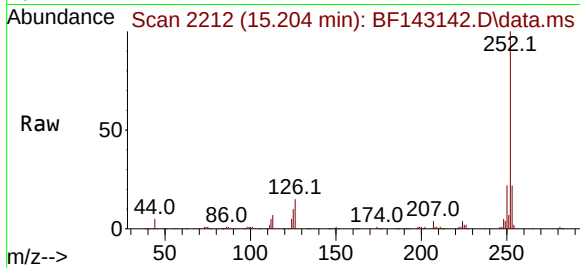




#89
Benzo(k)fluoranthene
Concen: 10.567 ng
RT: 15.204 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

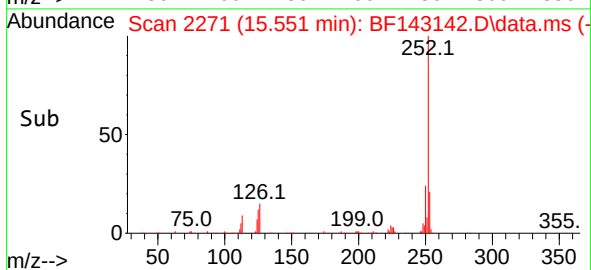
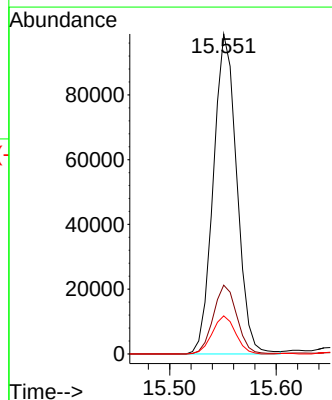
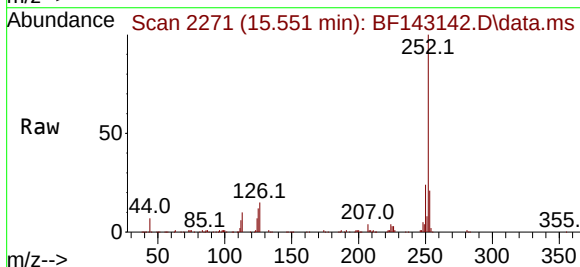
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

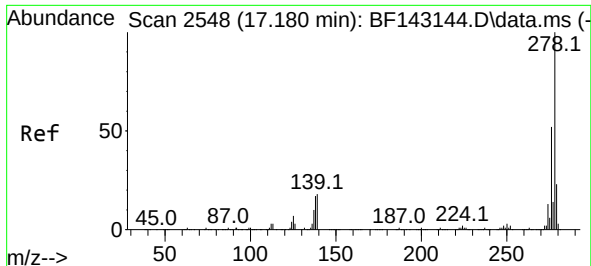
Tgt Ion:252 Resp: 157663
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 10.1 8.1 12.1



#90
Benzo(a)pyrene
Concen: 9.792 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:252 Resp: 150853
Ion Ratio Lower Upper
252 100
253 21.5 17.3 25.9
125 11.9 8.6 13.0

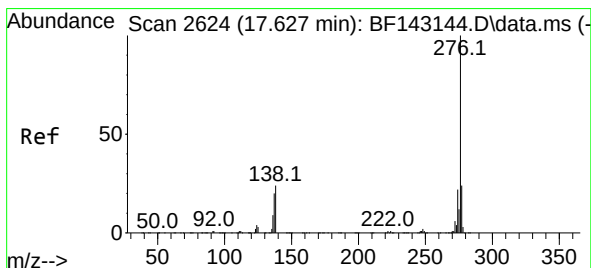
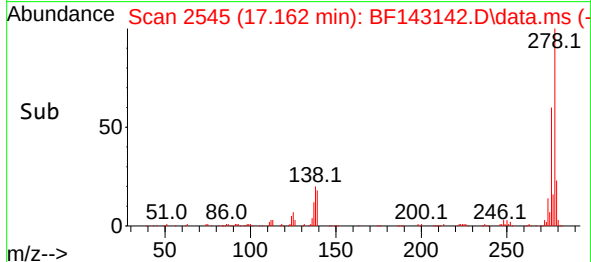
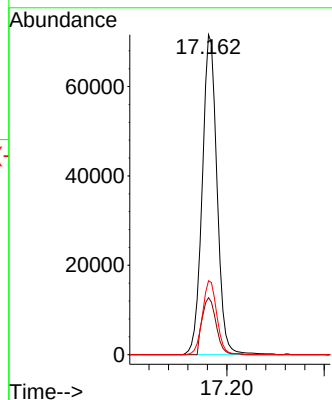
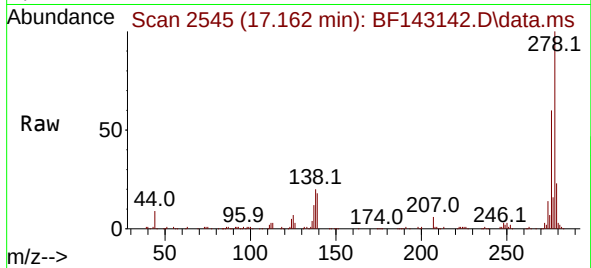




#91
Dibenzo(a,h)anthracene
Concen: 9.611 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

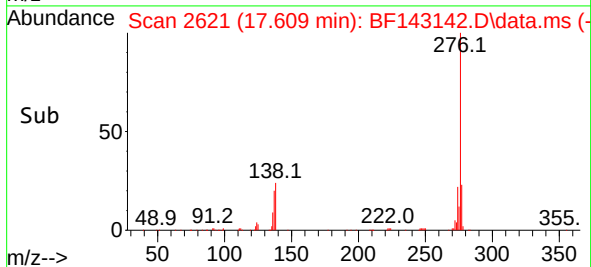
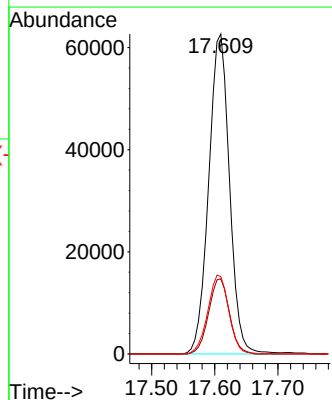
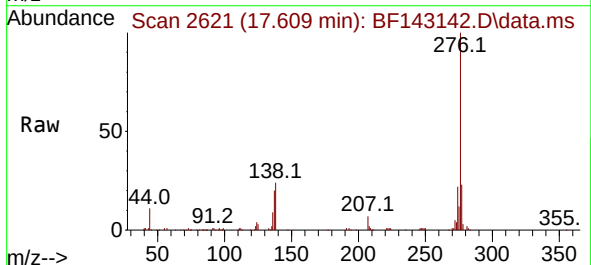
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 150977
Ion Ratio Lower Upper
278 100
139 17.8 14.1 21.1
279 23.1 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 9.433 ng
RT: 17.609 min Scan# 2621
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:276 Resp: 143342
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 24.2 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143143.D
 Acq On : 17 Jul 2025 12:34
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Jul 17 15:02:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	168491	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	642580	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	329670	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	532921	20.000	ng	0.00
76) Chrysene-d12	14.121	240	305398	20.000	ng	0.00
86) Perylene-d12	15.621	264	338518	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	444546	41.752	ng	0.00
7) Phenol-d6	6.575	99	558427	41.668	ng	-0.01
23) Nitrobenzene-d5	7.516	82	554482	43.013	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	139748	41.034	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1019688	42.301	ng	0.00
79) Terphenyl-d14	13.063	244	866830	42.238	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	103481	20.540	ng	99
3) Pyridine	3.581	79	261405	19.990	ng	99
4) n-Nitrosodimethylamine	3.510	42	134638	19.942	ng	99
6) Aniline	6.622	93	382991	20.505	ng	99
8) 2-Chlorophenol	6.745	128	231044	20.702	ng	98
9) Benzaldehyde	6.510	77	196003	19.504	ng	98
10) Phenol	6.593	94	322193	22.068	ng	97
11) bis(2-Chloroethyl)ether	6.692	93	232425	20.792	ng	98
12) 1,3-Dichlorobenzene	6.904	146	251734	20.763	ng	99
13) 1,4-Dichlorobenzene	6.981	146	253137	20.733	ng	100
14) 1,2-Dichlorobenzene	7.134	146	243437	20.963	ng	99
15) Benzyl Alcohol	7.092	79	210016	20.524	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	428827	20.680	ng	100
17) 2-Methylphenol	7.198	107	192172	20.479	ng	99
18) Hexachloroethane	7.481	117	88036	20.828	ng	98
19) n-Nitroso-di-n-propyla...	7.363	70	173142	20.137	ng	97
20) 3+4-Methylphenols	7.351	107	247578	21.745	ng	96
22) Acetophenone	7.363	105	321774	21.151	ng	# 99
24) Nitrobenzene	7.534	77	249251	20.739	ng	98
25) Isophorone	7.775	82	457146	20.088	ng	99
26) 2-Nitrophenol	7.851	139	105681	20.261	ng	98
27) 2,4-Dimethylphenol	7.887	122	218960	20.594	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	283946	20.811	ng	100
29) 2,4-Dichlorophenol	8.092	162	184432	20.569	ng	99
30) 1,2,4-Trichlorobenzene	8.181	180	204103	21.070	ng	98
31) Naphthalene	8.263	128	662968	20.949	ng	100
32) Benzoic acid	7.957	122	90732	18.667	ng	98
33) 4-Chloroaniline	8.304	127	269101	20.825	ng	99
34) Hexachlorobutadiene	8.386	225	122624	20.722	ng	98
35) Caprolactam	8.651	113	53950	19.911	ng	95
36) 4-Chloro-3-methylphenol	8.775	107	197317	20.246	ng	99
37) 2-Methylnaphthalene	8.957	142	403298	20.943	ng	100
38) 1-Methylnaphthalene	9.057	142	417629	21.060	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	198009	20.804	ng	99
41) Hexachlorocyclopentadiene	9.116	237	122922	19.848	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	135703	20.601	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143143.D
 Acq On : 17 Jul 2025 12:34
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

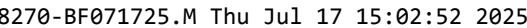
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 ClientSampleId :
 SSTDICC020

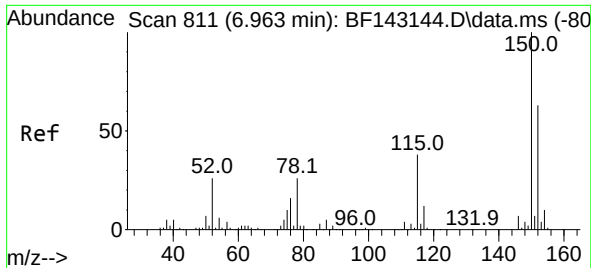
Quant Time: Jul 17 15:02:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	135634	20.584	ng	99
46) 1,1'-Biphenyl	9.416	154	540637	21.019	ng	100
47) 2-Chloronaphthalene	9.445	162	393002	20.650	ng	99
48) 2-Nitroaniline	9.528	65	122517	20.528	ng	99
49) Acenaphthylene	9.857	152	663048	20.789	ng	100
50) Dimethylphthalate	9.710	163	441768	20.558	ng	100
51) 2,6-Dinitrotoluene	9.769	165	89742	20.529	ng	97
52) Acenaphthene	10.033	154	390249	20.702	ng	99
53) 3-Nitroaniline	9.933	138	103870	20.314	ng	94
54) 2,4-Dinitrophenol	10.039	184	26820	19.073	ng	# 1
55) Dibenzofuran	10.204	168	582320	20.806	ng	98
56) 4-Nitrophenol	10.081	139	75275	19.715	ng	99
57) 2,4-Dinitrotoluene	10.169	165	112851	20.577	ng	99
58) Fluorene	10.545	166	435866	20.750	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	113851	20.859	ng	100
60) Diethylphthalate	10.410	149	440058	20.719	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	216496	20.699	ng	99
62) 4-Nitroaniline	10.545	138	87666	20.005	ng	99
63) Azobenzene	10.698	77	458013	20.690	ng	99
65) 4,6-Dinitro-2-methylph...	10.580	198	46122	20.060	ng	95
66) n-Nitrosodiphenylamine	10.651	169	384467	20.488	ng	100
67) 4-Bromophenyl-phenylether	11.028	248	128663	20.259	ng	99
68) Hexachlorobenzene	11.098	284	134031	20.191	ng	99
69) Atrazine	11.169	200	105386	20.370	ng	99
70) Pentachlorophenol	11.280	266	77906	19.957	ng	99
71) Phenanthrene	11.510	178	595411	21.042	ng	99
72) Anthracene	11.557	178	604416	20.944	ng	99
73) Carbazole	11.704	167	523365	20.769	ng	100
74) Di-n-butylphthalate	12.039	149	601867	21.108	ng	100
75) Fluoranthene	12.692	202	542662	20.894	ng	99
77) Benzidine	12.810	184	257904	21.919	ng	99
78) Pyrene	12.922	202	544650	20.897	ng	99
80) Butylbenzylphthalate	13.539	149	163546	20.491	ng	99
81) Benzo(a)anthracene	14.110	228	421791	20.629	ng	99
82) 3,3'-Dichlorobenzidine	14.068	252	151153	22.181	ng	100
83) Chrysene	14.145	228	380799	20.714	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	251739	20.839	ng	99
85) Di-n-octyl phthalate	14.716	149	436102	19.916	ng	99
87) Indeno(1,2,3-cd)pyrene	17.151	276	484240	20.286	ng	99
88) Benzo(b)fluoranthene	15.174	252	435747	21.071	ng	99
89) Benzo(k)fluoranthene	15.204	252	369899	20.044	ng	100
90) Benzo(a)pyrene	15.557	252	388136	20.371	ng	99
91) Dibenzo(a,h)anthracene	17.168	278	398949	20.534	ng	99
92) Benzo(g,h,i)perylene	17.615	276	385915	20.534	ng	99

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

Quant Time: Jul 17 15:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

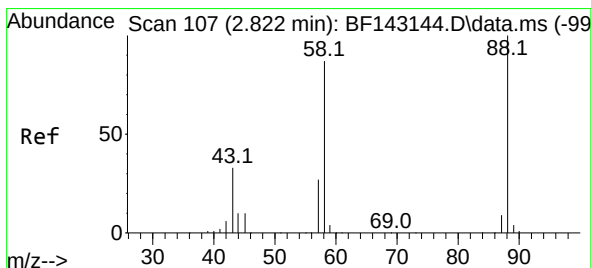
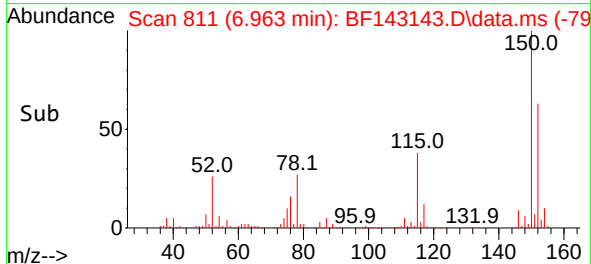
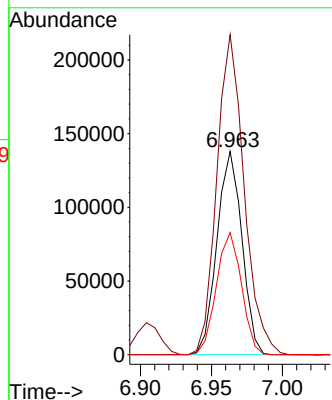
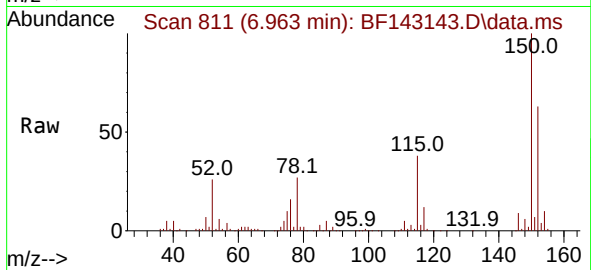




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

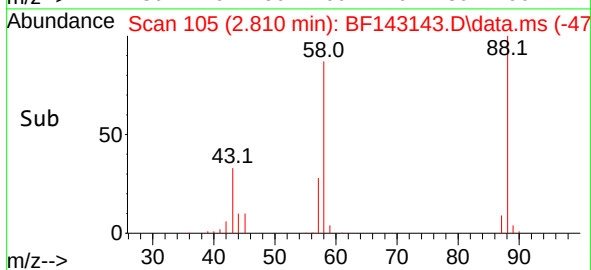
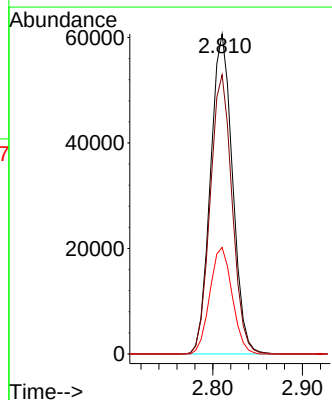
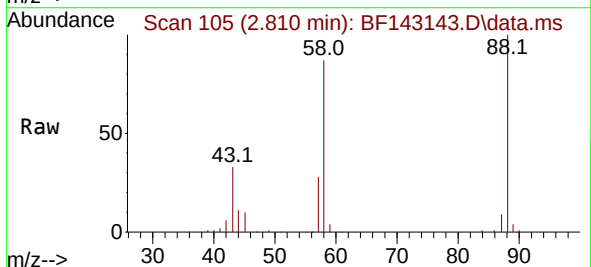
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

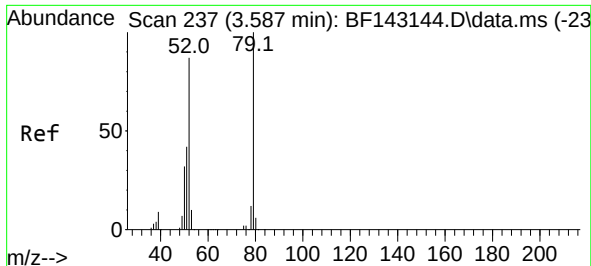
Tgt Ion:152 Resp: 168491
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 60.1 47.9 71.9



#2
1,4-Dioxane
Concen: 20.540 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 88 Resp: 103481
Ion Ratio Lower Upper
88 100
58 86.7 70.2 105.2
43 33.8 27.1 40.7

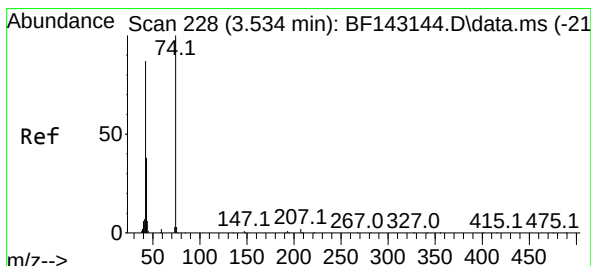
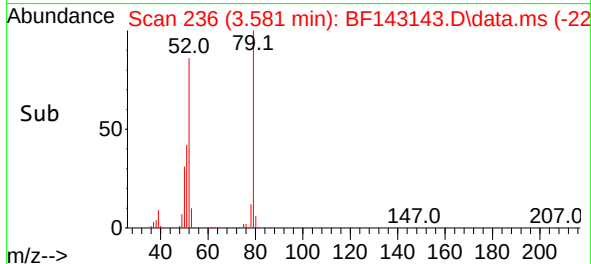
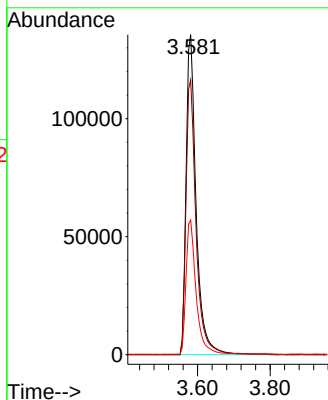
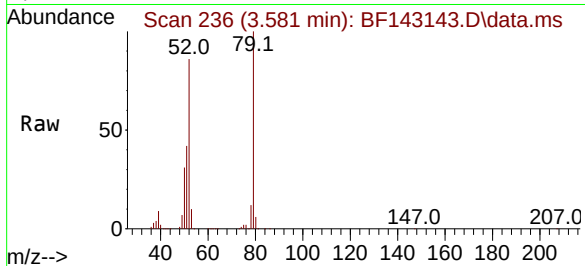




#3
Pyridine
Concen: 19.990 ng
RT: 3.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

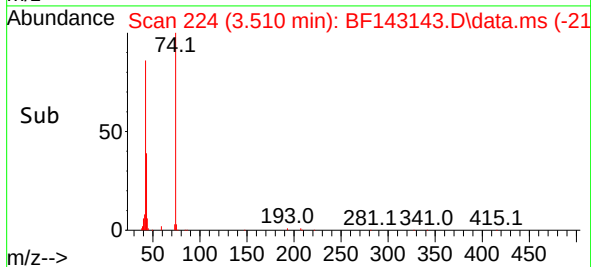
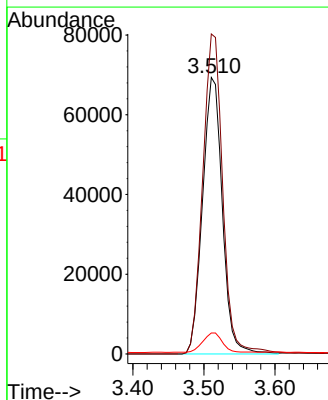
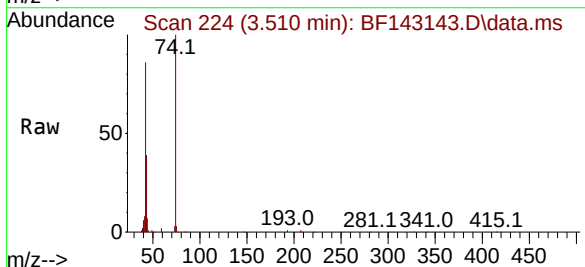
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

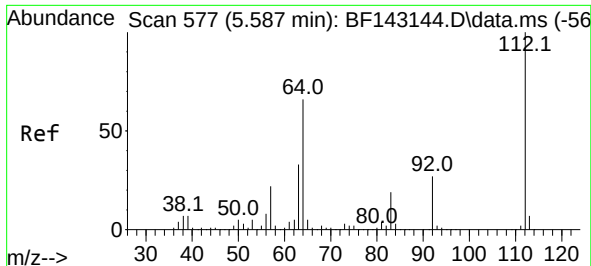
Tgt Ion: 79 Resp: 261405
Ion Ratio Lower Upper
79 100
52 85.9 69.4 104.2
51 42.1 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 19.942 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 42 Resp: 134638
Ion Ratio Lower Upper
42 100
74 115.7 91.7 137.5
44 7.6 5.6 8.4

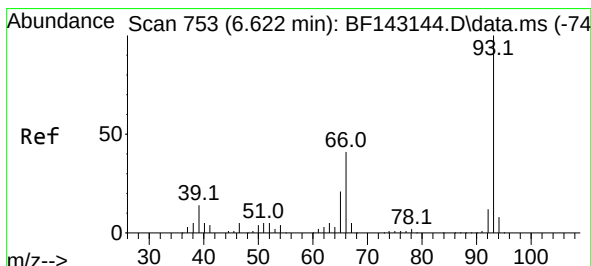
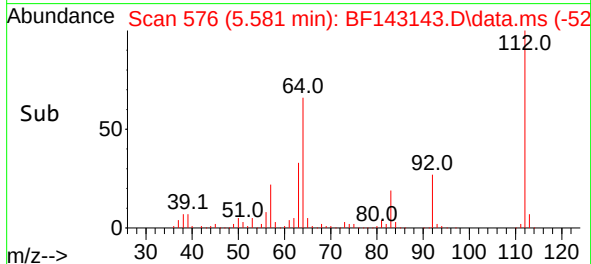
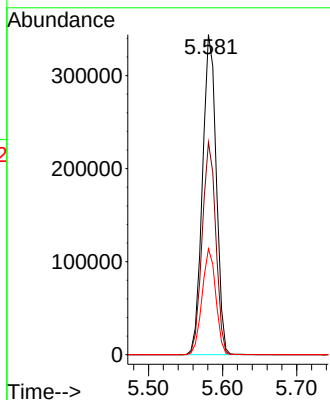
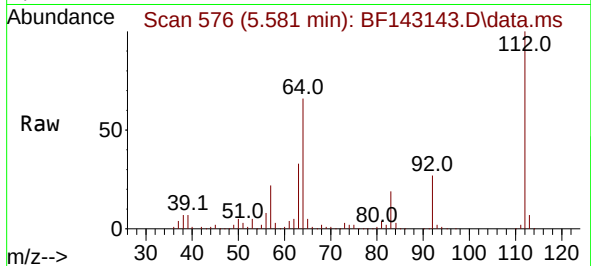




#5
2-Fluorophenol
Concen: 41.752 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

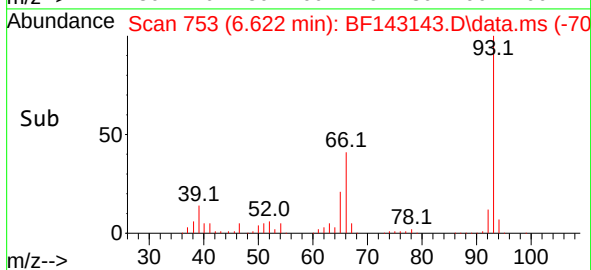
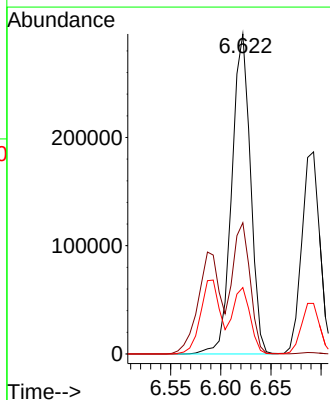
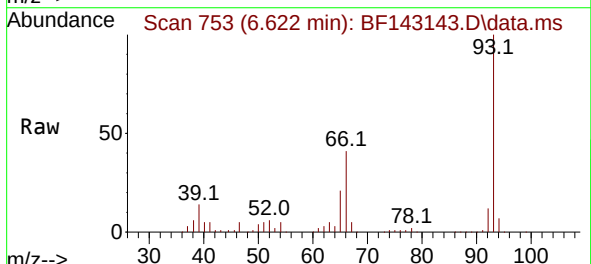
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

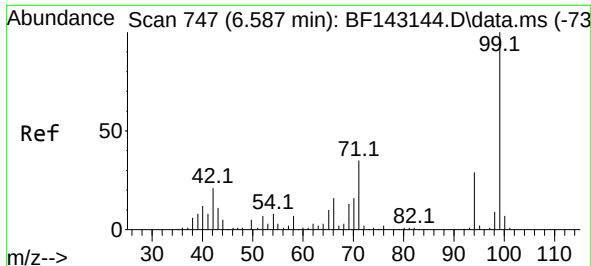
Tgt Ion:112 Resp: 444546
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.1 26.6 40.0



#6
Aniline
Concen: 20.505 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 93 Resp: 382991
Ion Ratio Lower Upper
93 100
66 41.0 33.2 49.8
65 20.7 16.9 25.3

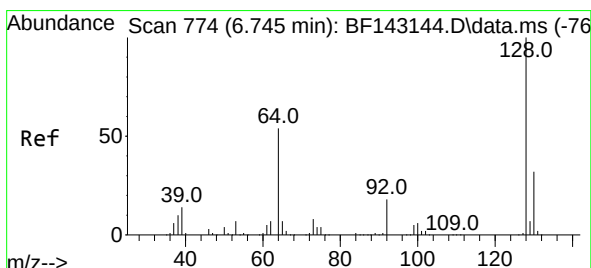
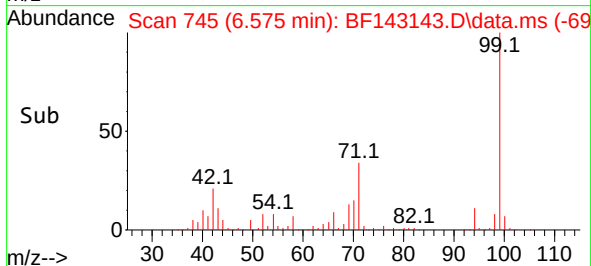
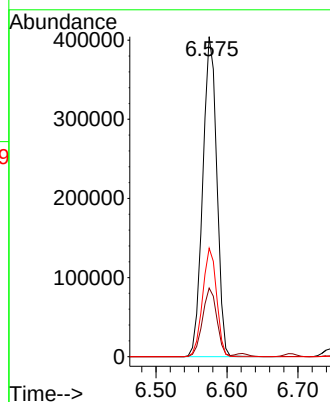
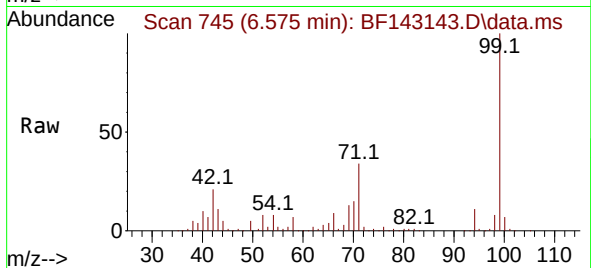




#7
Phenol-d6
Concen: 41.668 ng
RT: 6.575 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

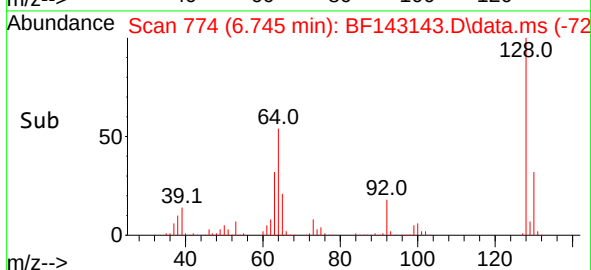
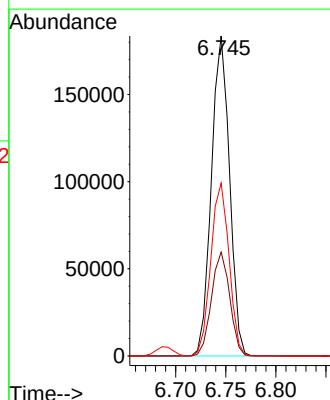
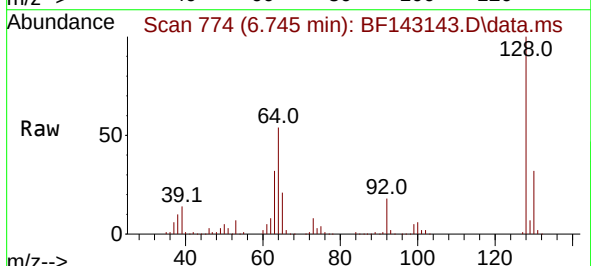
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

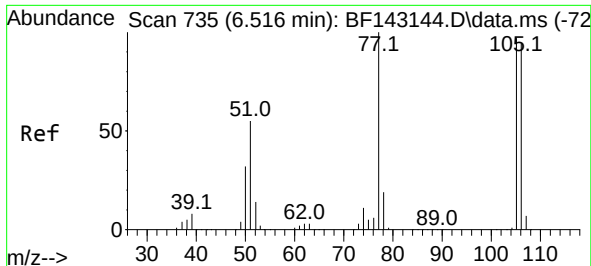
Tgt Ion: 99 Resp: 558427
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 33.9 27.7 41.5



#8
2-Chlorophenol
Concen: 20.702 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 128 Resp: 231044
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 54.0 35.9 75.9

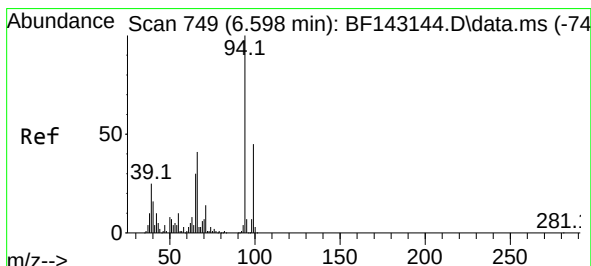
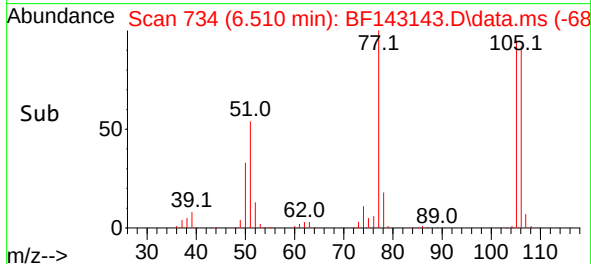
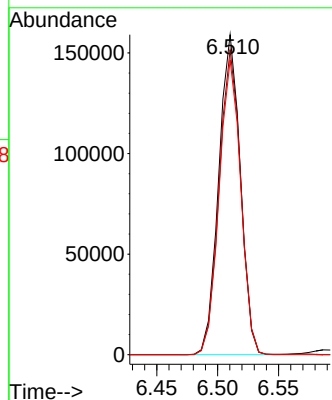
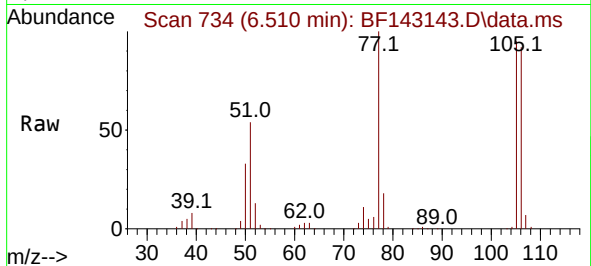




#9
Benzaldehyde
Concen: 19.504 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

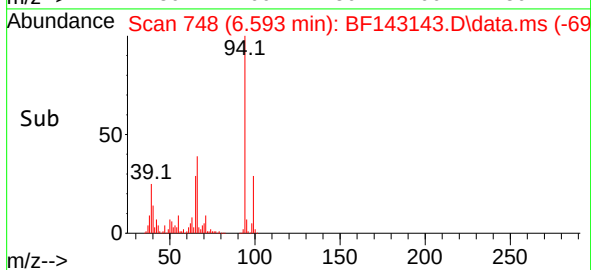
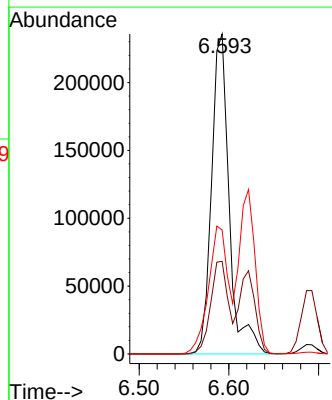
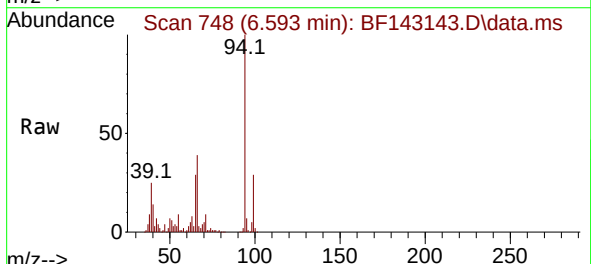
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

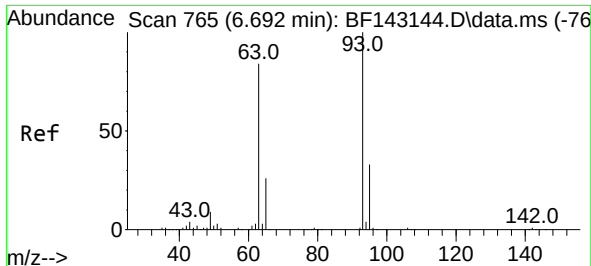
Tgt Ion: 77 Resp: 196003
Ion Ratio Lower Upper
77 100
105 95.3 76.8 116.8
106 92.0 74.4 114.4



#10
Phenol
Concen: 22.068 ng
RT: 6.593 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 94 Resp: 322193
Ion Ratio Lower Upper
94 100
65 29.0 10.0 50.0
66 38.8 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 20.792 ng

RT: 6.692 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

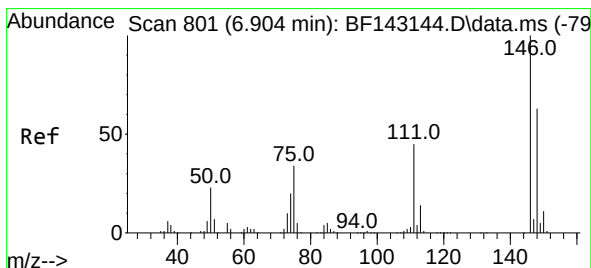
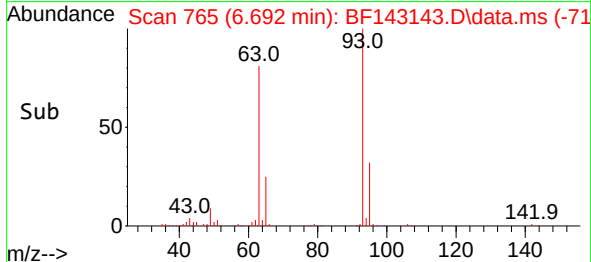
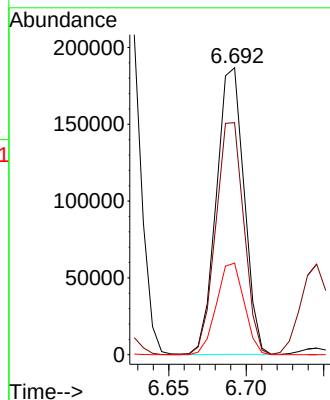
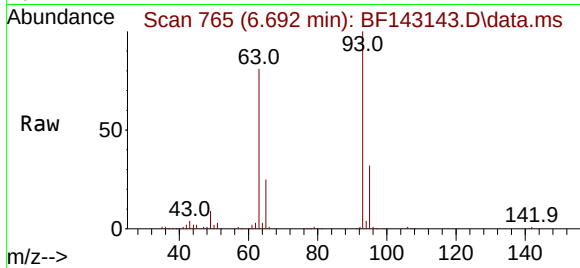
Tgt Ion: 93 Resp: 232425

Ion Ratio Lower Upper

93 100

63 80.9 63.4 103.4

95 31.9 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 20.763 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

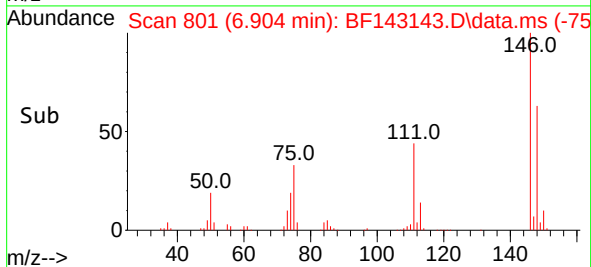
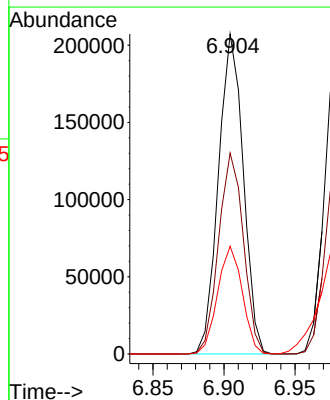
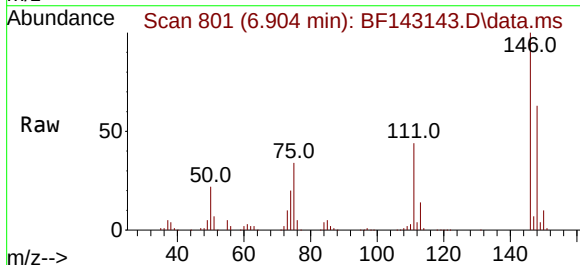
Tgt Ion: 146 Resp: 251734

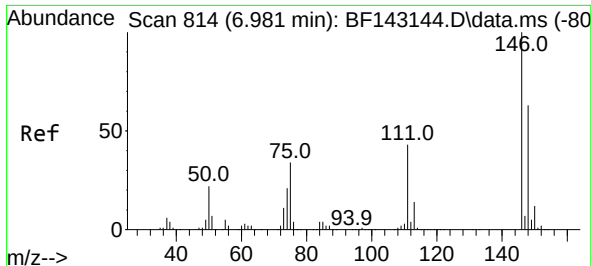
Ion Ratio Lower Upper

146 100

148 62.7 50.6 76.0

75 33.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 20.733 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

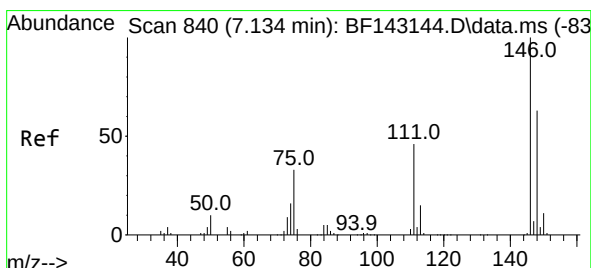
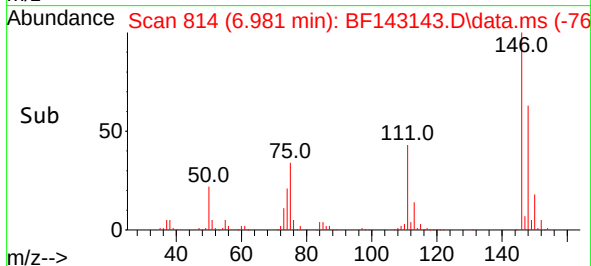
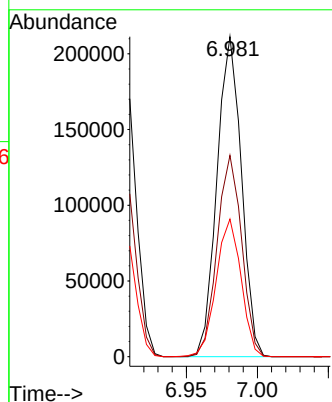
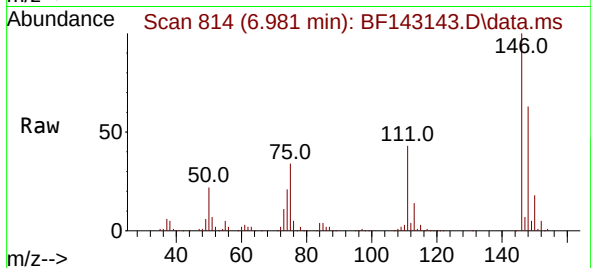
Tgt Ion:146 Resp: 253137

Ion Ratio Lower Upper

146 100

148 62.9 50.3 75.5

111 43.0 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 20.963 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

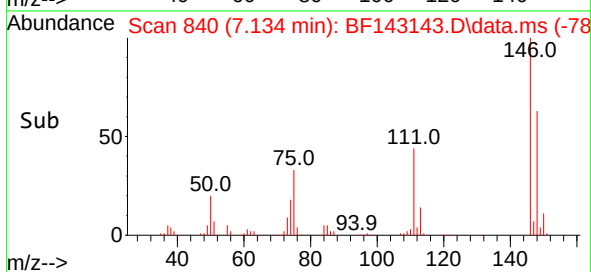
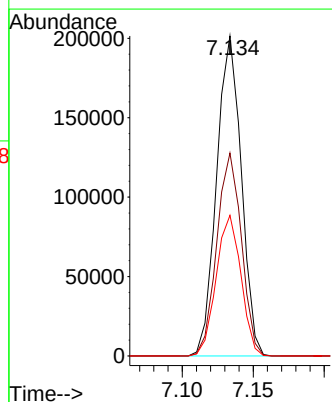
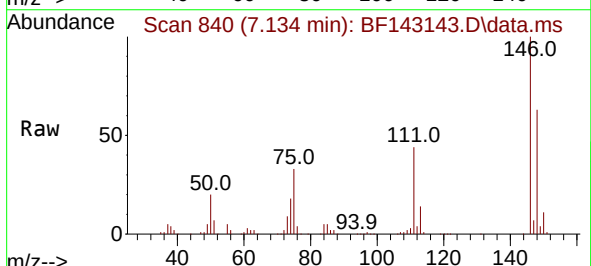
Tgt Ion:146 Resp: 243437

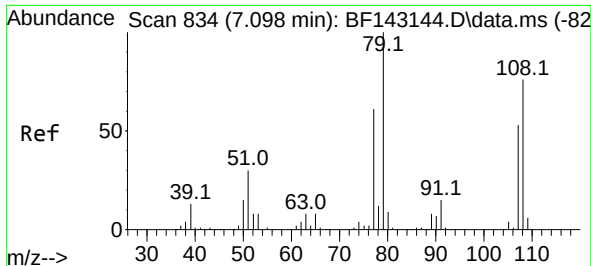
Ion Ratio Lower Upper

146 100

148 63.4 50.7 76.1

111 44.0 36.6 54.8

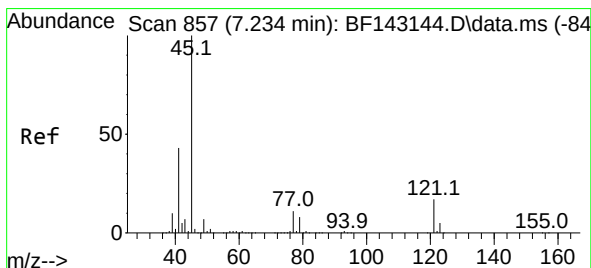
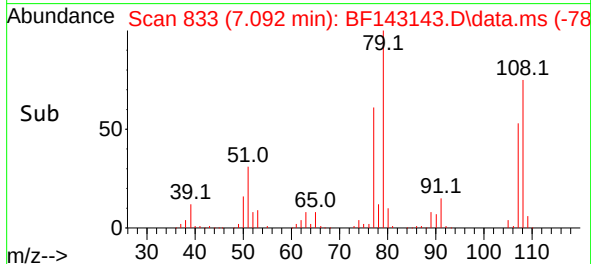
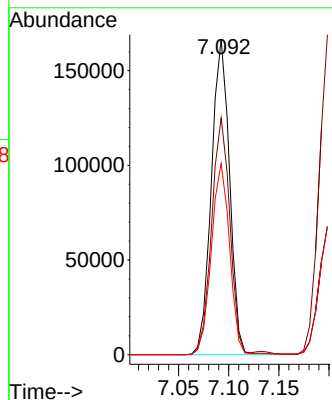
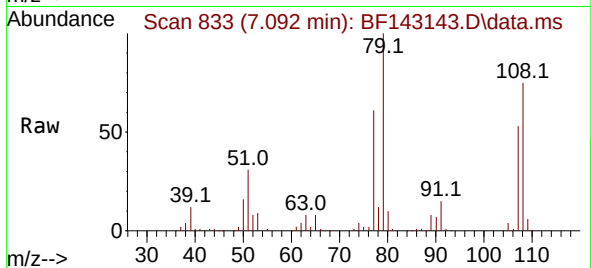




#15
Benzyl Alcohol
Concen: 20.524 ng
RT: 7.092 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

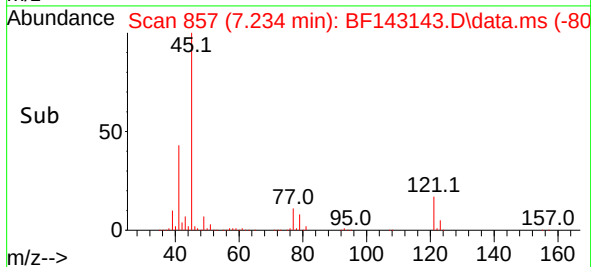
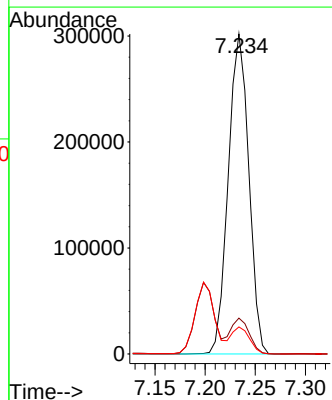
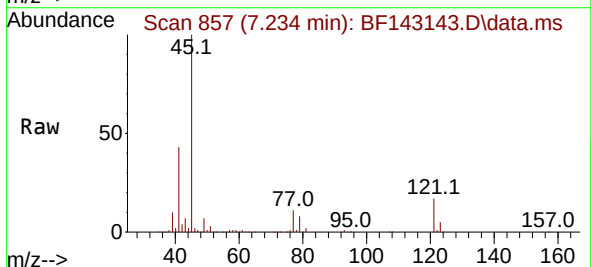
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

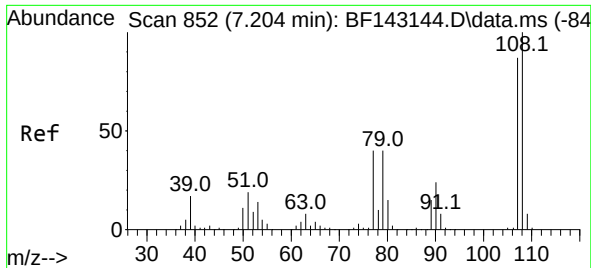
Tgt Ion: 79 Resp: 210016
Ion Ratio Lower Upper
79 100
108 75.0 61.1 91.7
77 60.5 48.9 73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.680 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 45 Resp: 428827
Ion Ratio Lower Upper
45 100
77 11.2 0.0 31.2
79 8.4 0.0 28.5

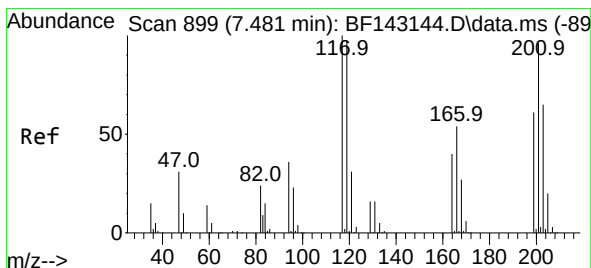
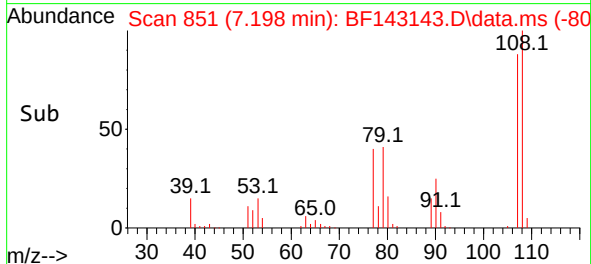
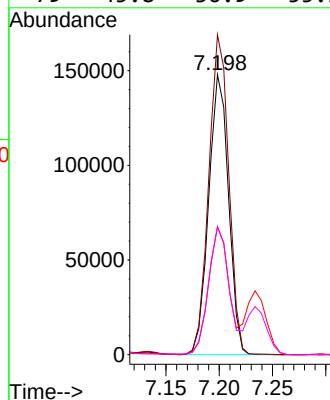
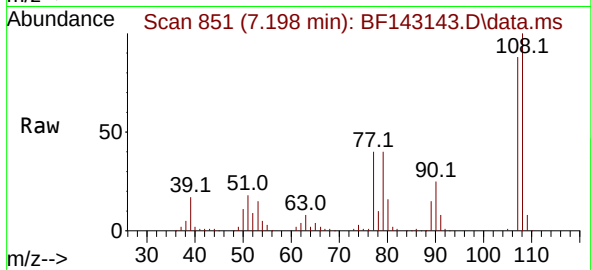




#17
2-Methylphenol
Concen: 20.479 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

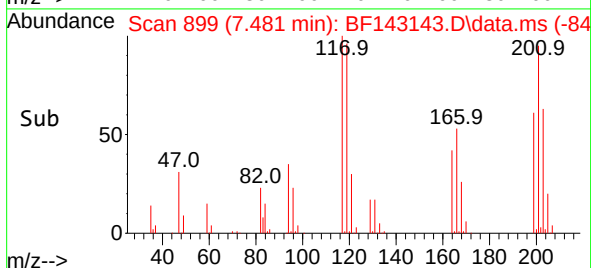
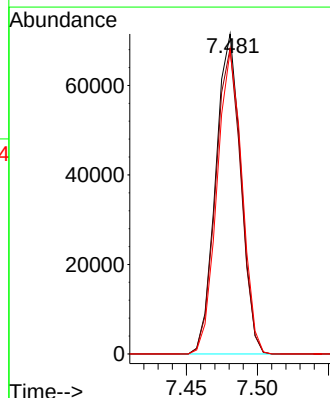
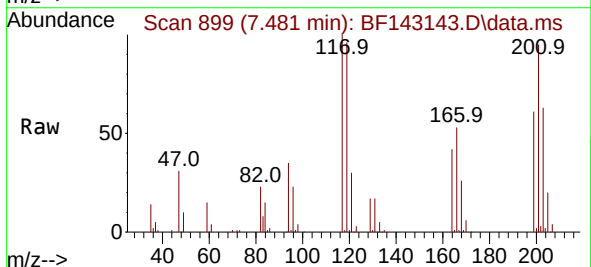
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

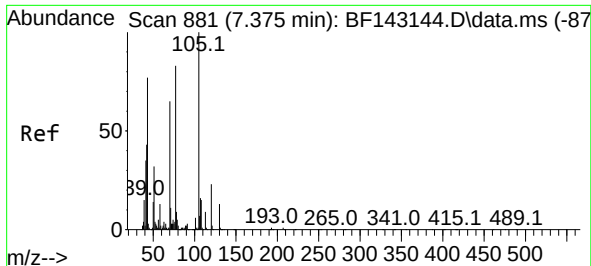
Tgt Ion:	107	Resp:	192172
Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.8	137.6
77	45.6	37.0	55.6
79	45.8	36.9	55.3



#18
Hexachloroethane
Concen: 20.828 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:	117	Resp:	88036
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.8	116.8
201	94.8	77.0	115.4



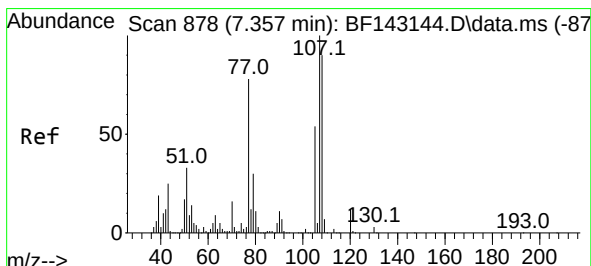
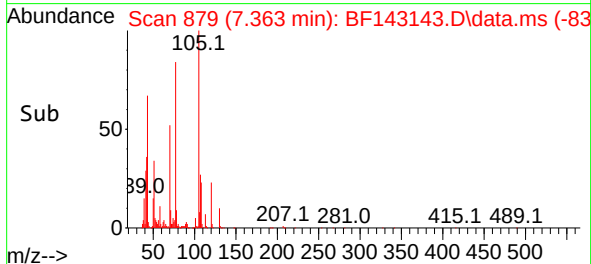
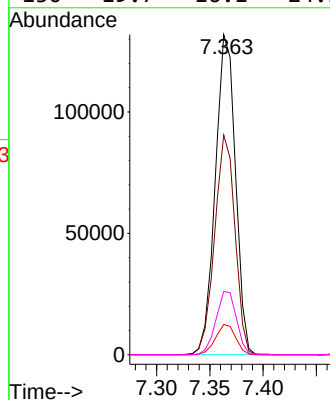
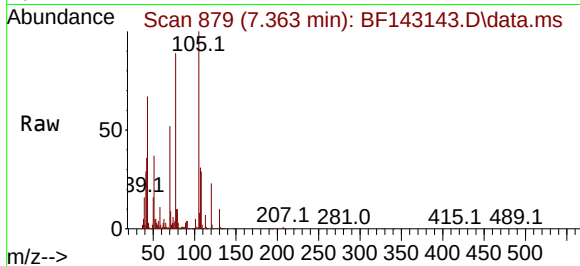


#19
n-Nitroso-di-n-propylamine
Concen: 20.137 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 173142

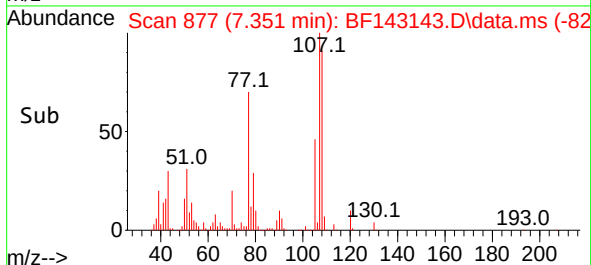
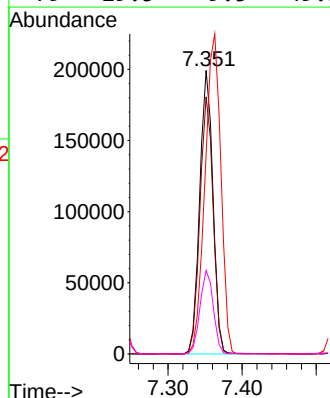
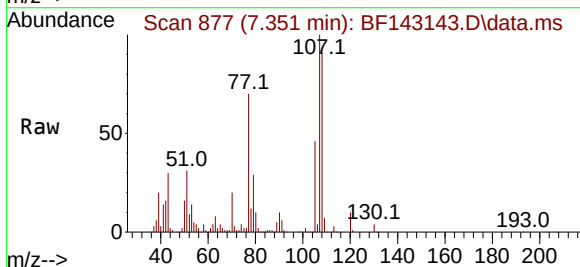
Ion	Ratio	Lower	Upper
70	100		
42	68.6	52.5	78.7
101	9.4	7.6	11.4
130	19.7	16.1	24.1

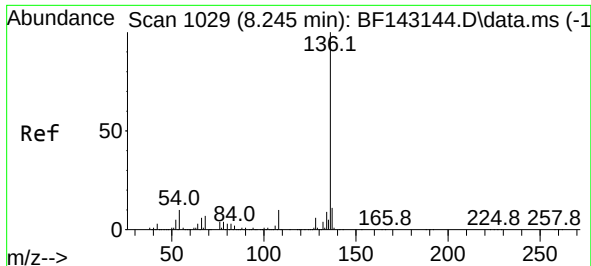


#20
3+4-Methylphenols
Concen: 21.745 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 107 Resp: 247578

Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.0	110.0
77	70.4	57.8	97.8
79	29.5	9.5	49.5

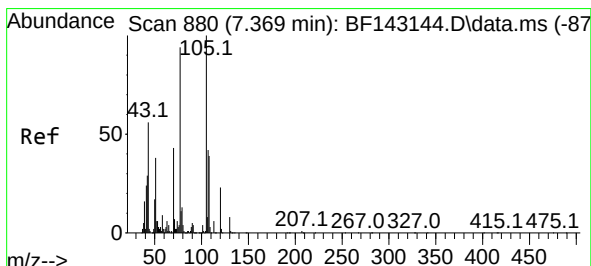
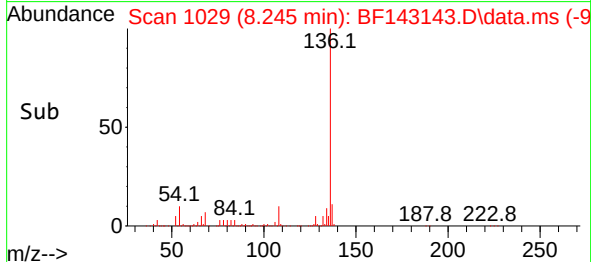
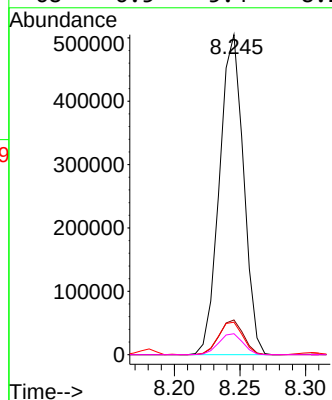
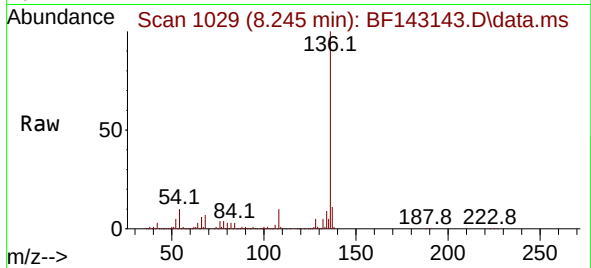




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

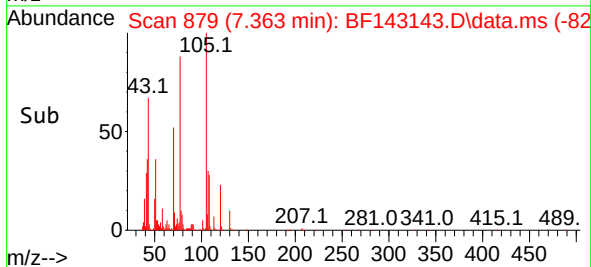
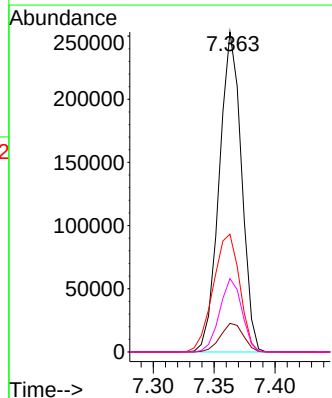
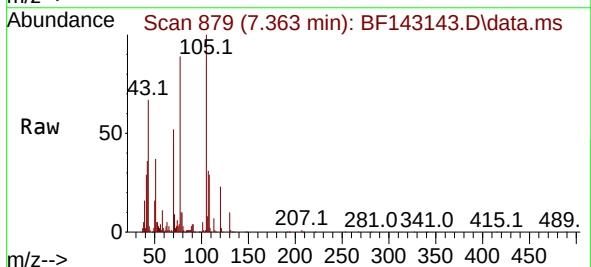
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

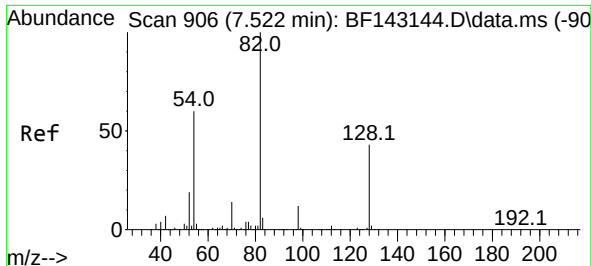
Tgt Ion:	136	Resp:	642580
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.2	8.2	12.2
68	6.5	5.4	8.2



#22
Acetophenone
Concen: 21.151 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:	105	Resp:	321774
Ion	Ratio	Lower	Upper
105	100		
71	9.0	5.8	8.6
51	36.8	30.2	45.2
120	22.9	18.2	27.4

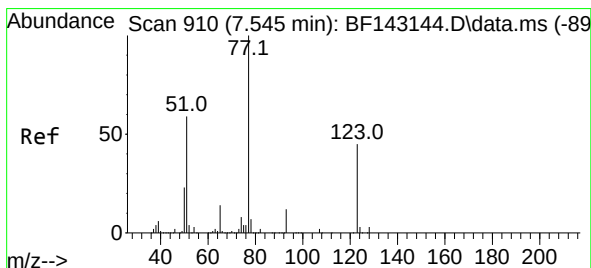
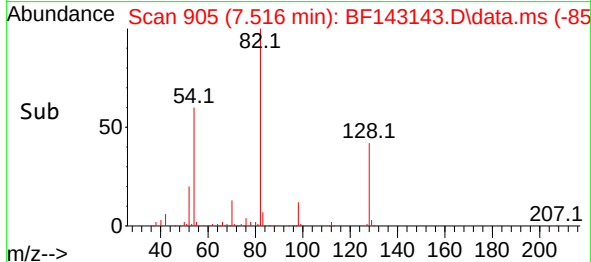
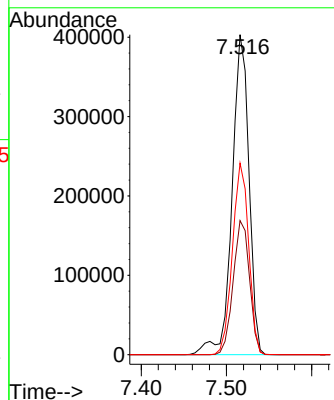
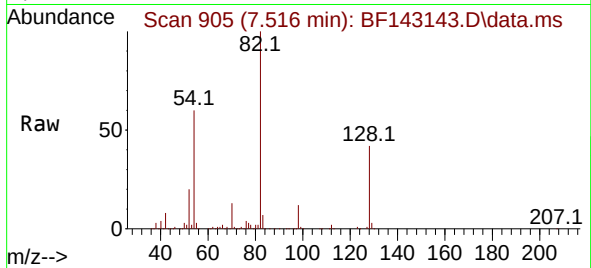




#23
Nitrobenzene-d5
Concen: 43.013 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

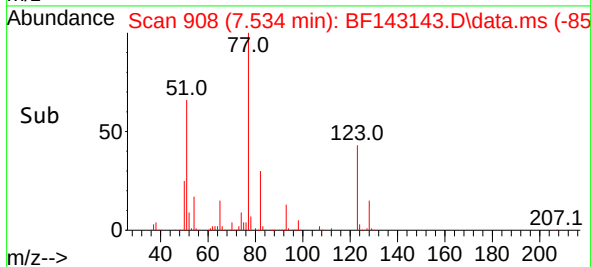
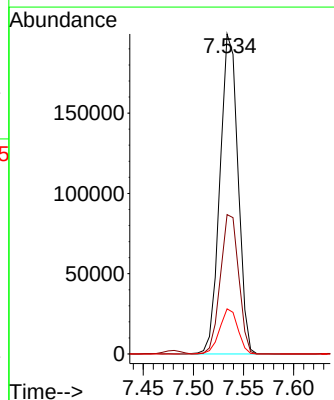
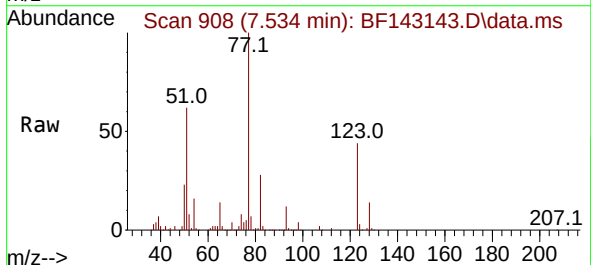
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

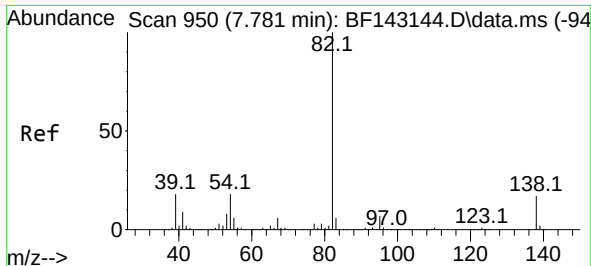
Tgt Ion: 82 Resp: 554482
Ion Ratio Lower Upper
82 100
128 41.9 33.6 50.4
54 59.8 47.1 70.7



#24
Nitrobenzene
Concen: 20.739 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 77 Resp: 249251
Ion Ratio Lower Upper
77 100
123 43.5 36.1 54.1
65 14.1 11.4 17.2

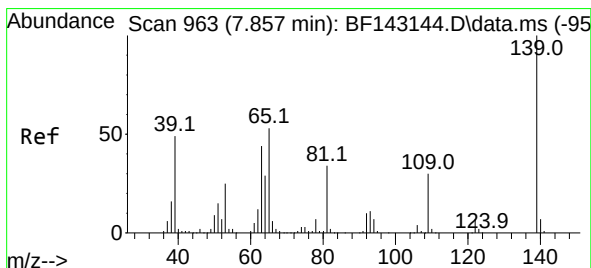
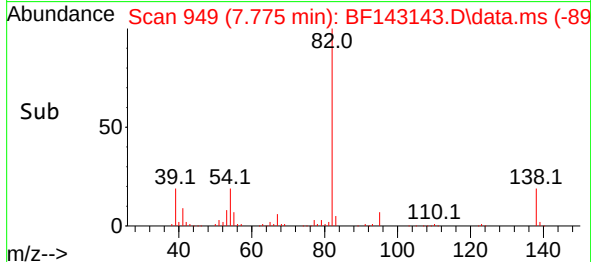
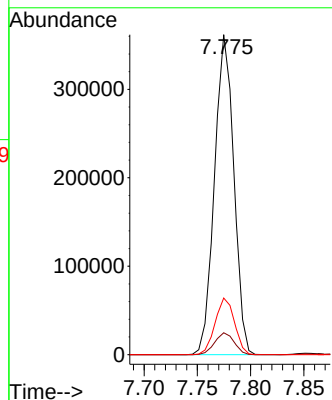
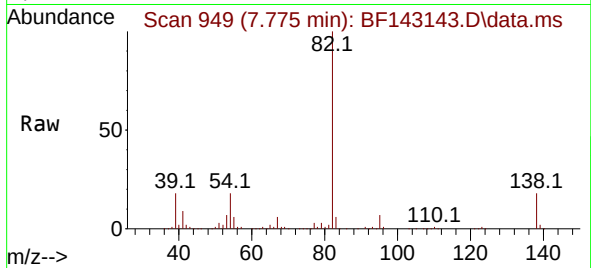




#25
Isophorone
Concen: 20.088 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

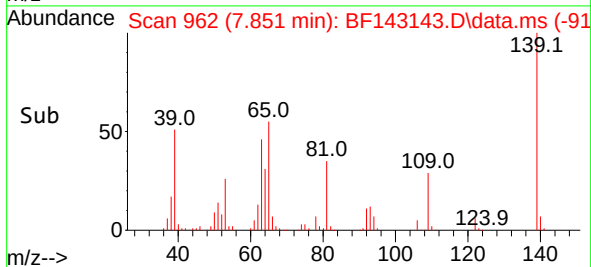
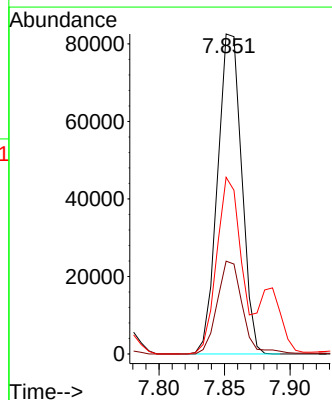
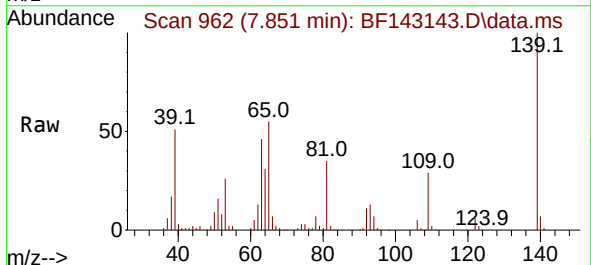
Instrument :
BNA_F
ClientSampleId :
SSTDIC020

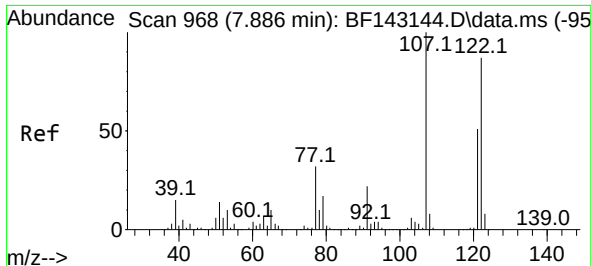
Tgt Ion: 82 Resp: 457146
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.7 13.8 20.8



#26
2-Nitrophenol
Concen: 20.261 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:139 Resp: 105681
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 55.2 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 20.594 ng

RT: 7.887 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

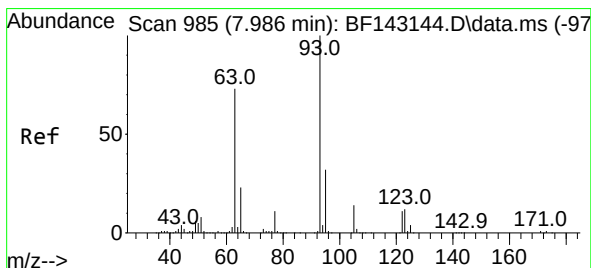
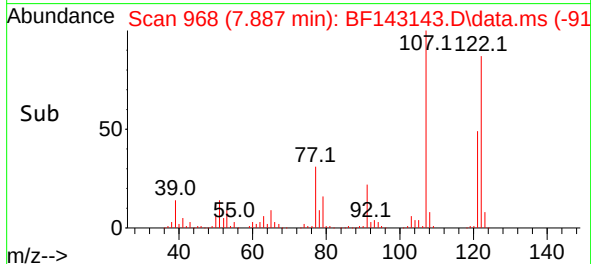
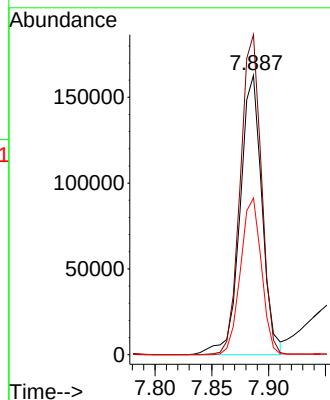
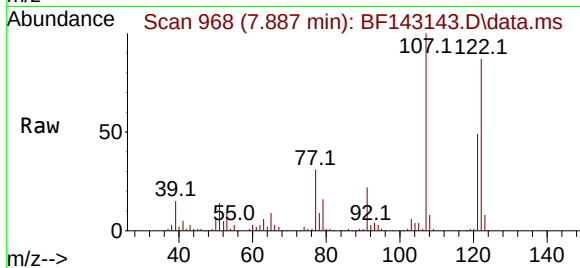
Tgt Ion:122 Resp: 218960

Ion Ratio Lower Upper

122 100

107 114.5 91.8 137.6

121 56.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 20.811 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

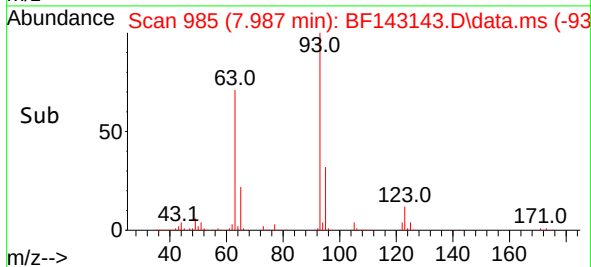
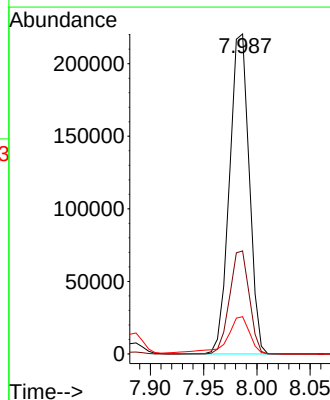
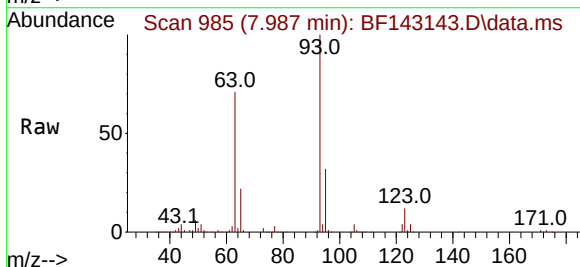
Tgt Ion: 93 Resp: 283946

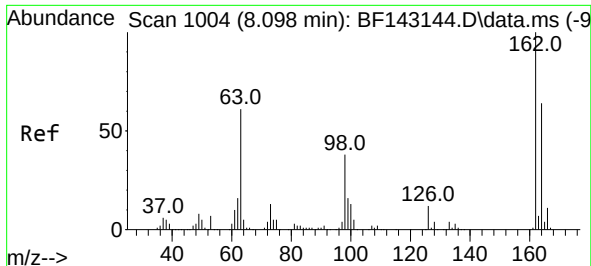
Ion Ratio Lower Upper

93 100

95 32.2 25.8 38.6

123 11.6 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 20.569 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

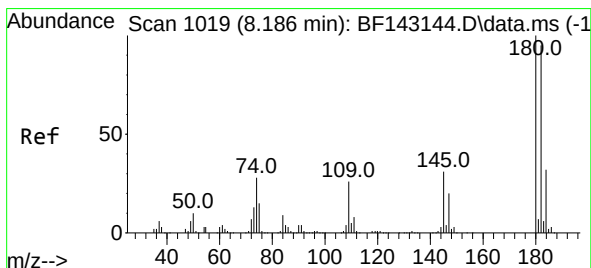
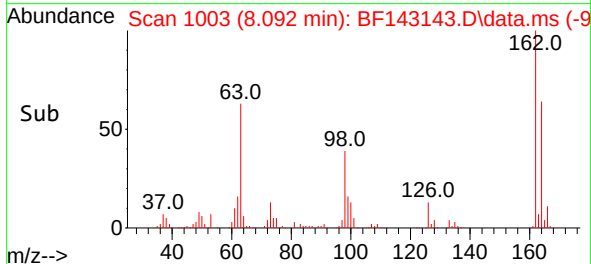
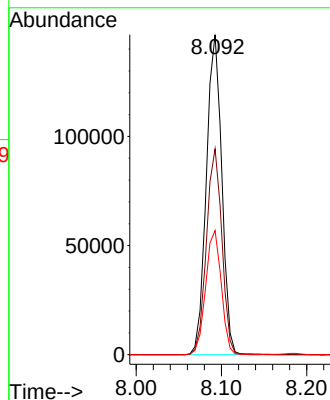
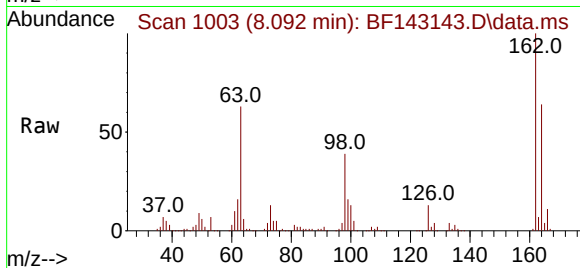
Tgt Ion:162 Resp: 184432

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

98 38.8 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 21.070 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

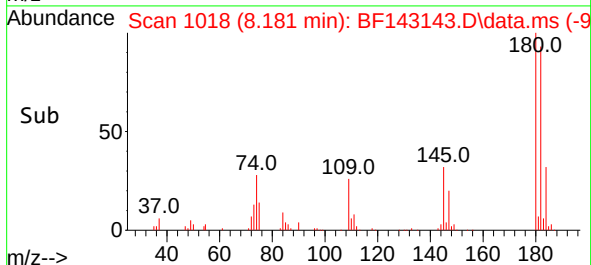
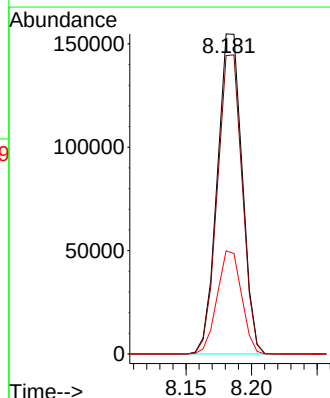
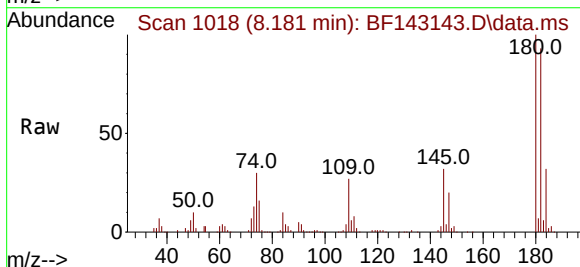
Tgt Ion:180 Resp: 204103

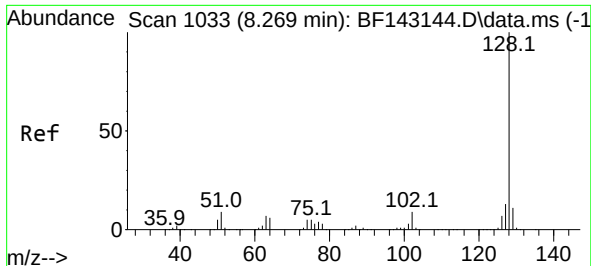
Ion Ratio Lower Upper

180 100

182 93.3 76.2 114.2

145 32.2 25.0 37.6

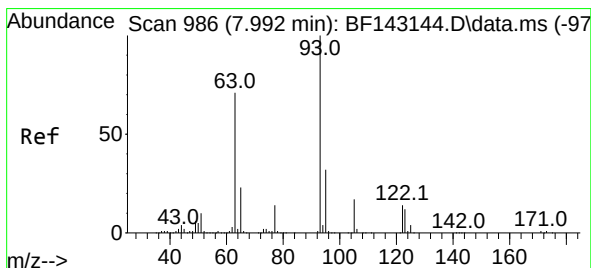
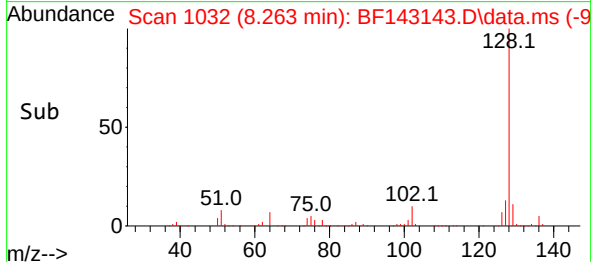
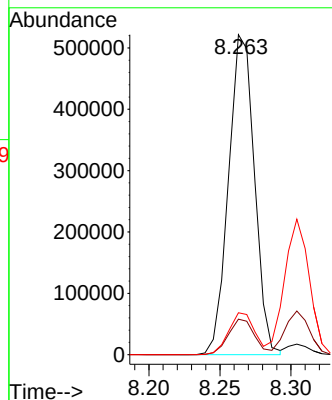
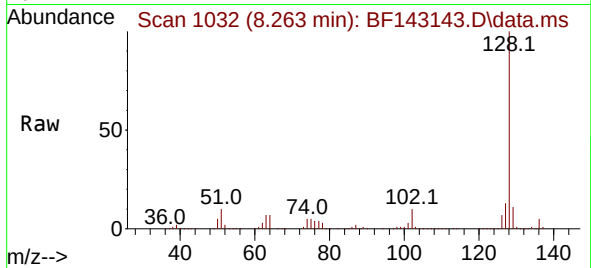




#31
Naphthalene
Concen: 20.949 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

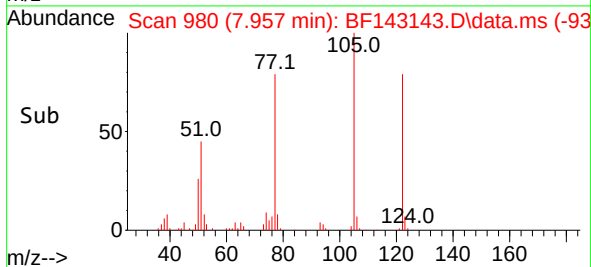
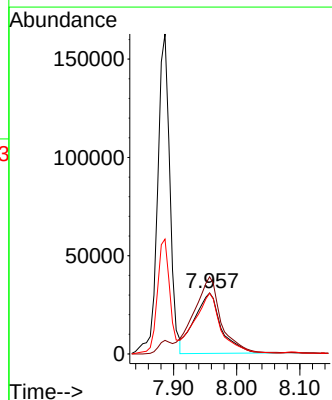
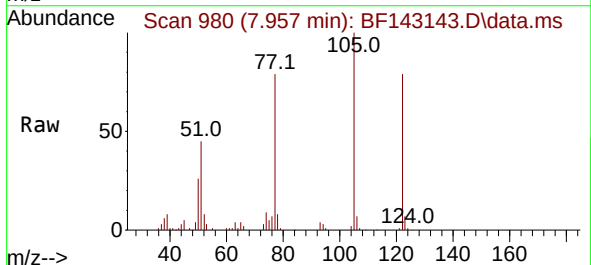
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

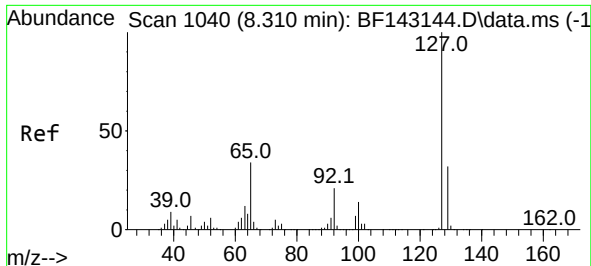
Tgt Ion:128 Resp: 662968
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.1 10.6 16.0



#32
Benzoic acid
Concen: 18.667 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:122 Resp: 90732
Ion Ratio Lower Upper
122 100
105 126.7 104.8 144.8
77 99.7 77.6 117.6

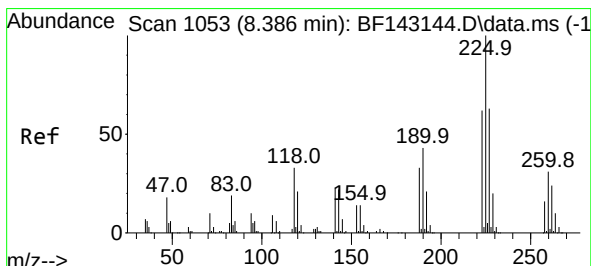
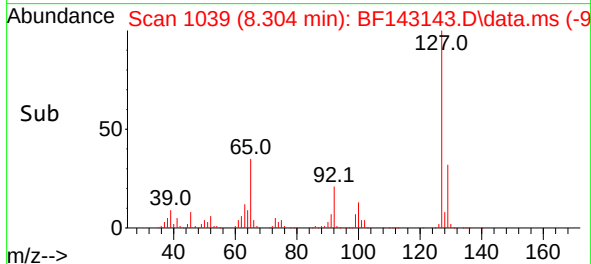
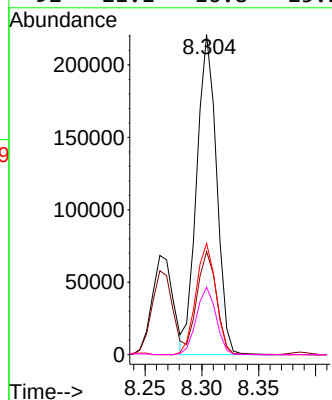
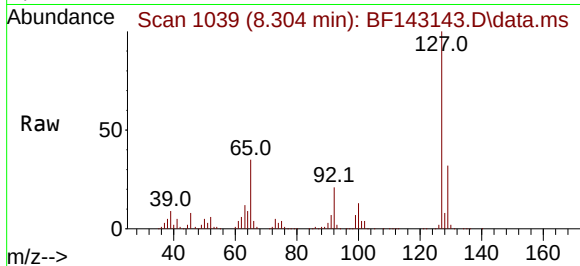




#33
4-Chloroaniline
Concen: 20.825 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

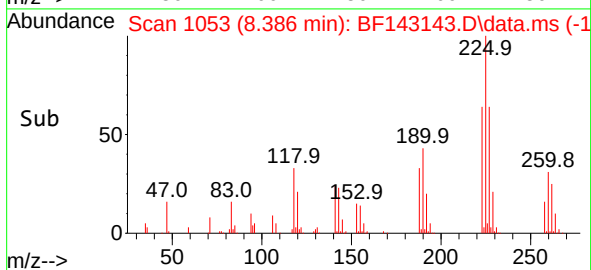
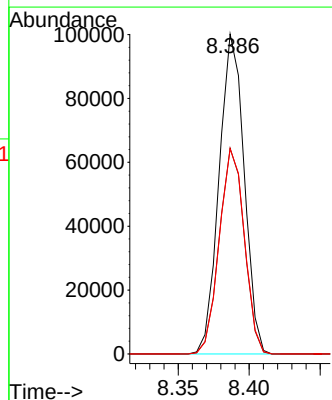
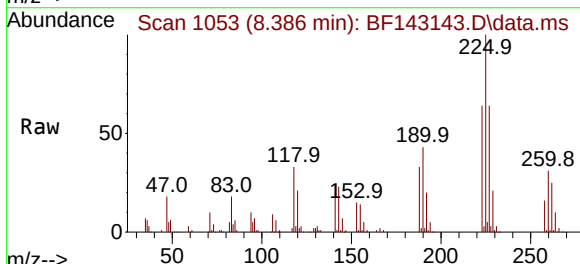
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

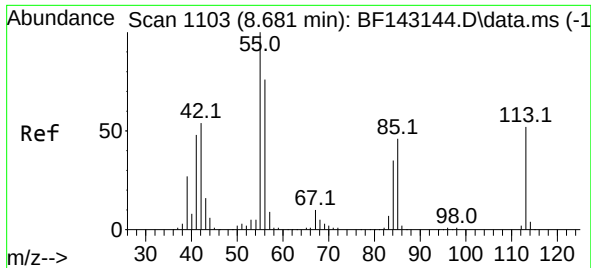
Tgt Ion:127	Resp: 269101
Ion Ratio	Lower Upper
127 100	
129 32.2	26.0 39.0
65 34.8	27.4 41.2
92 21.1	16.8 25.2



#34
Hexachlorobutadiene
Concen: 20.722 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:225	Resp: 122624		
Ion Ratio	Lower	Upper	
225	100		
223	64.3	49.8	74.6
227	64.1	50.2	75.4

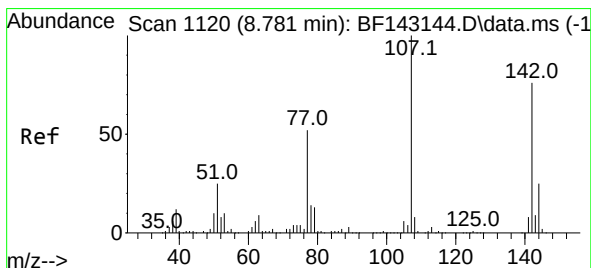
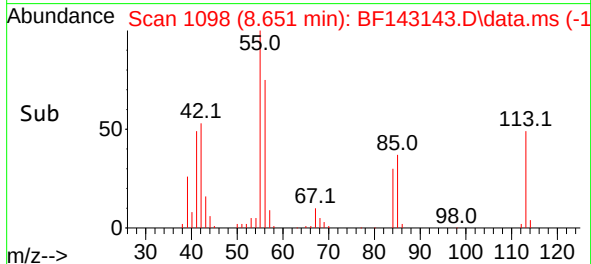
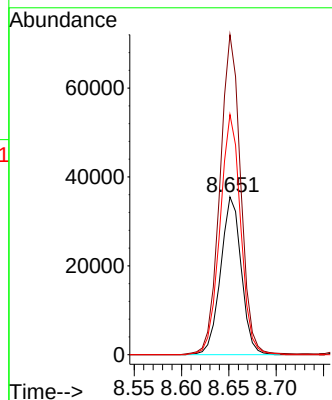
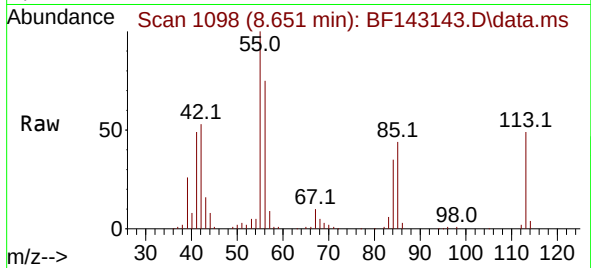




#35
 Caprolactam
 Concen: 19.911 ng
 RT: 8.651 min Scan# 1109
 Delta R.T. -0.029 min
 Lab File: BF143143.D
 Acq: 17 Jul 2025 12:34

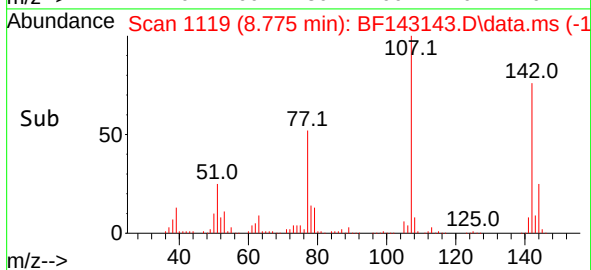
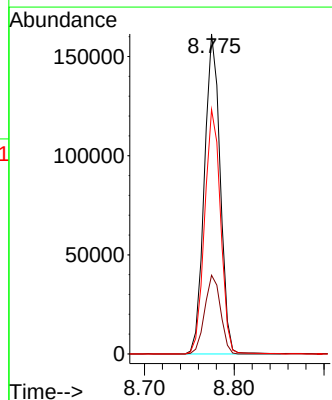
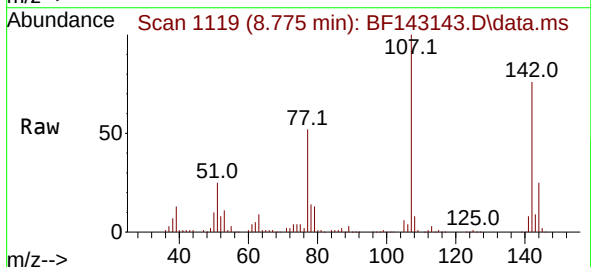
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

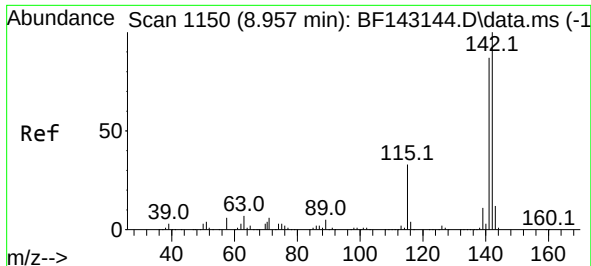
Tgt Ion:113 Resp: 53950
 Ion Ratio Lower Upper
 113 100
 55 202.9 174.0 214.0
 56 152.2 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 20.246 ng
 RT: 8.775 min Scan# 1119
 Delta R.T. -0.006 min
 Lab File: BF143143.D
 Acq: 17 Jul 2025 12:34

Tgt Ion:107 Resp: 197317
 Ion Ratio Lower Upper
 107 100
 144 24.6 19.8 29.6
 142 76.4 60.6 90.8





#37

2-Methylnaphthalene

Concen: 20.943 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

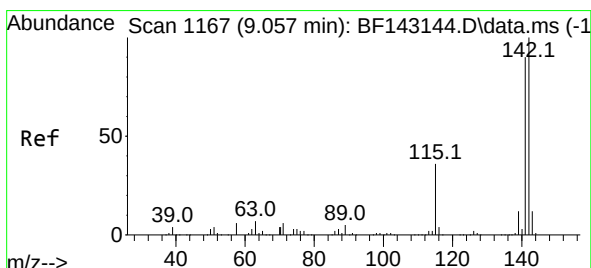
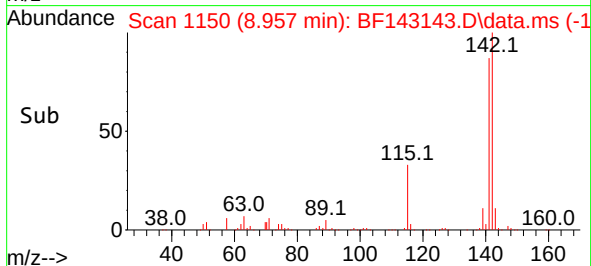
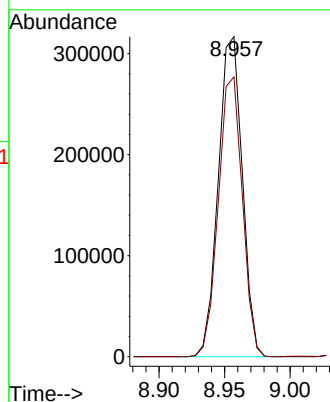
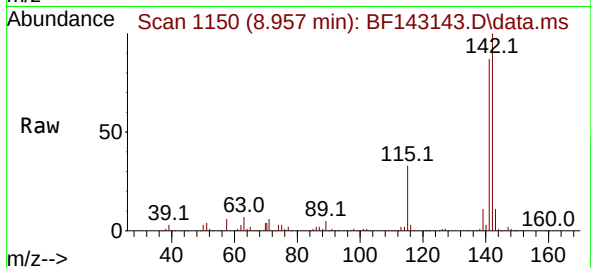
SSTDICC020

Tgt Ion:142 Resp: 403298

Ion Ratio Lower Upper

142 100

141 87.5 69.9 104.9



#38

1-Methylnaphthalene

Concen: 21.060 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143143.D

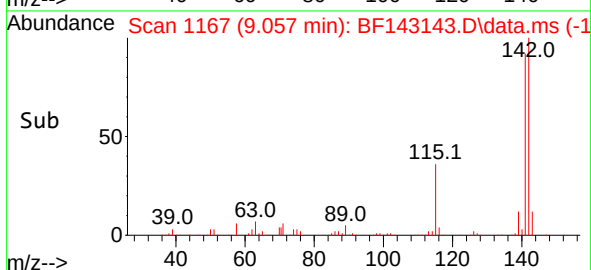
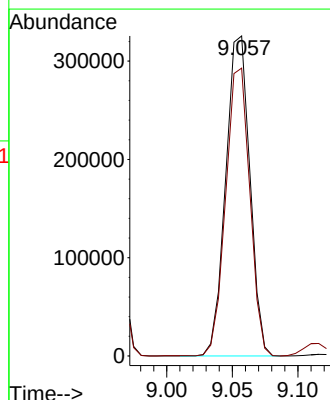
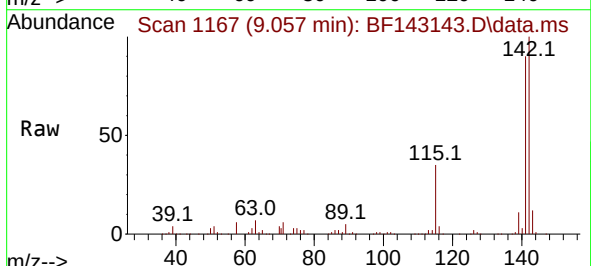
Acq: 17 Jul 2025 12:34

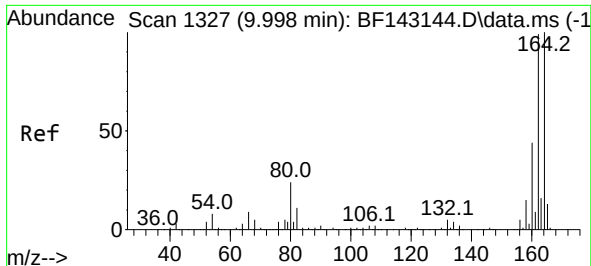
Tgt Ion:142 Resp: 417629

Ion Ratio Lower Upper

142 100

141 90.0 72.3 108.5

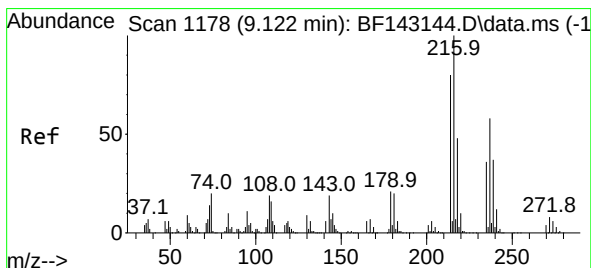
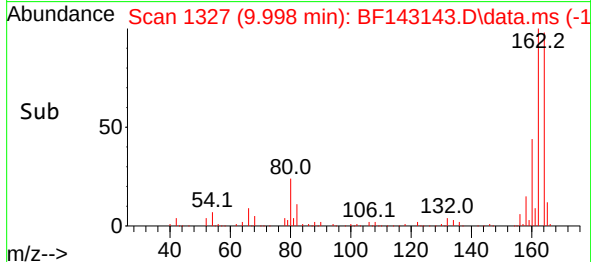
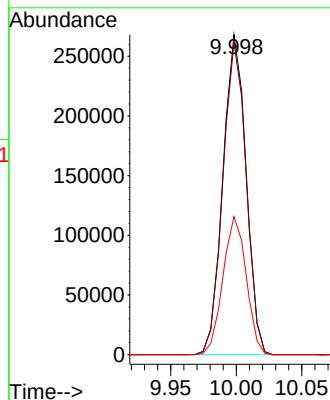
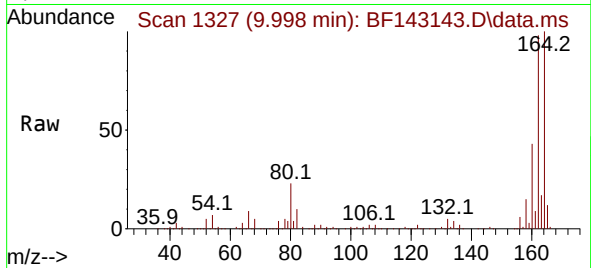




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

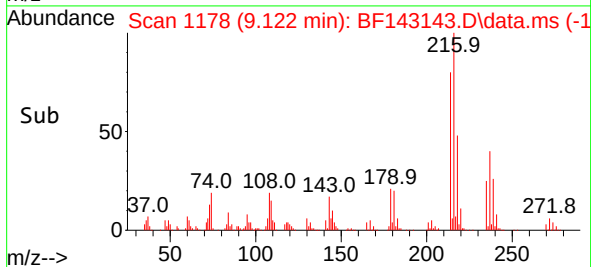
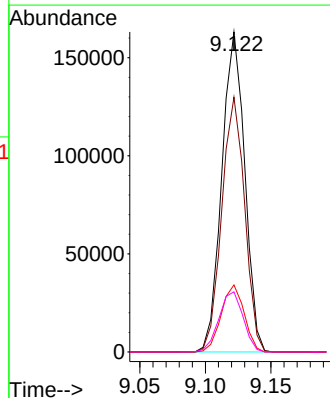
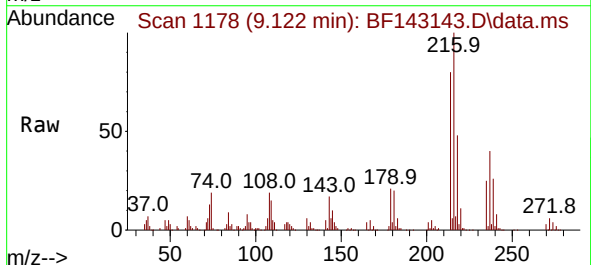
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

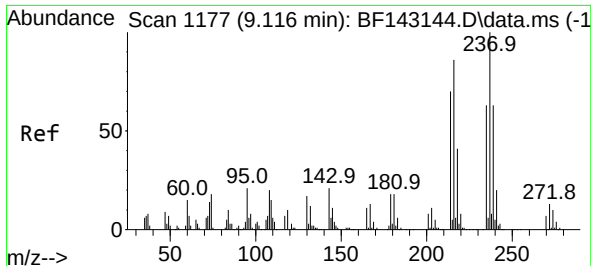
Tgt Ion:164 Resp: 329670
Ion Ratio Lower Upper
164 100
162 97.5 79.0 118.6
160 43.2 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.804 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:216 Resp: 198009
Ion Ratio Lower Upper
216 100
214 79.4 63.8 95.8
179 21.0 16.4 24.6
108 19.9 15.6 23.4

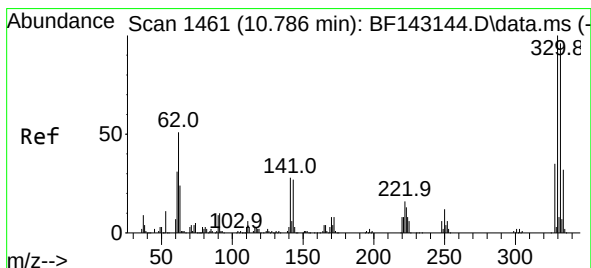
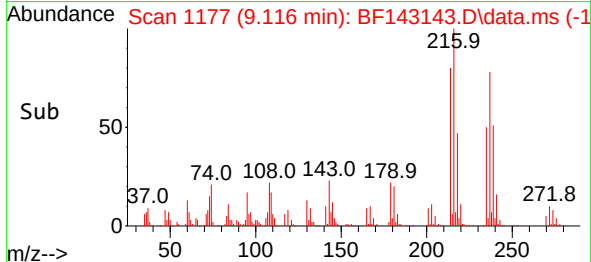
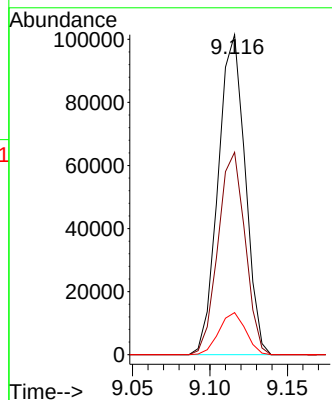
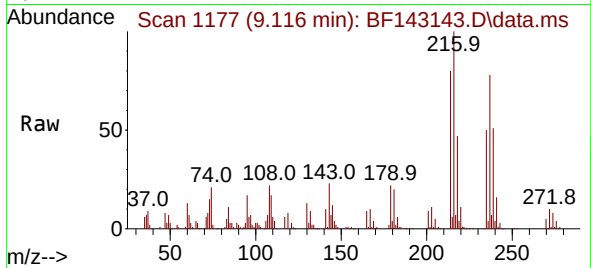




#41
Hexachlorocyclopentadiene
Concen: 19.848 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

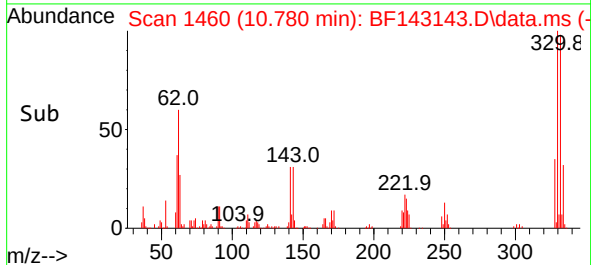
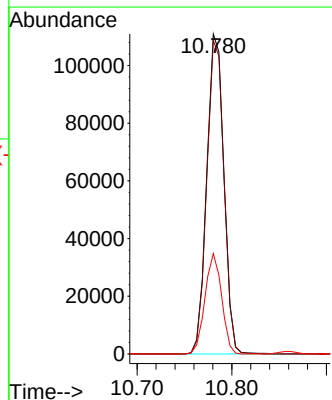
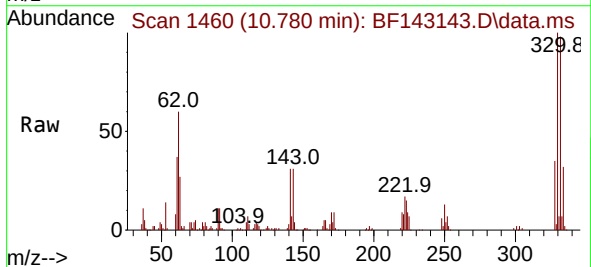
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

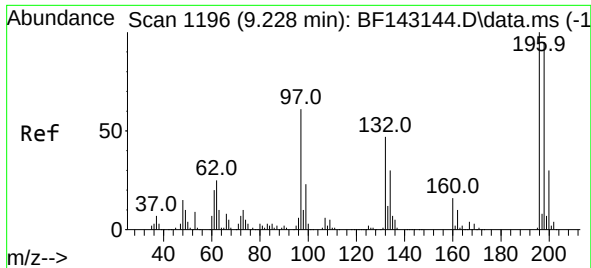
Tgt Ion:237 Resp: 122922
Ion Ratio Lower Upper
237 100
235 63.2 43.0 83.0
272 13.2 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 41.034 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:330 Resp: 139748
Ion Ratio Lower Upper
330 100
332 97.9 76.7 115.1
141 30.4 23.3 34.9

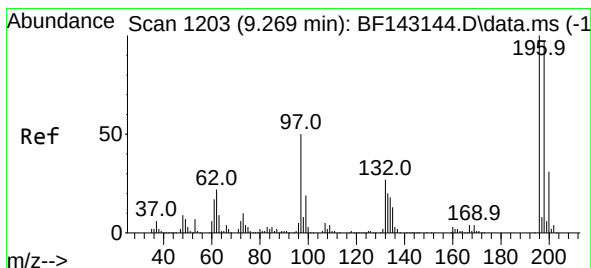
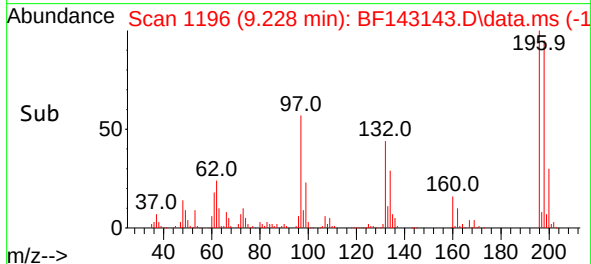
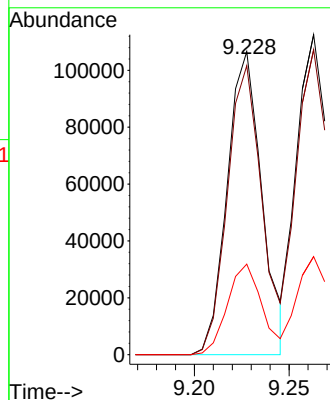
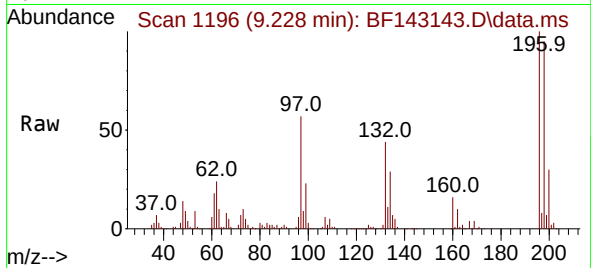




#43
2,4,6-Trichlorophenol
Concen: 20.601 ng
RT: 9.228 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

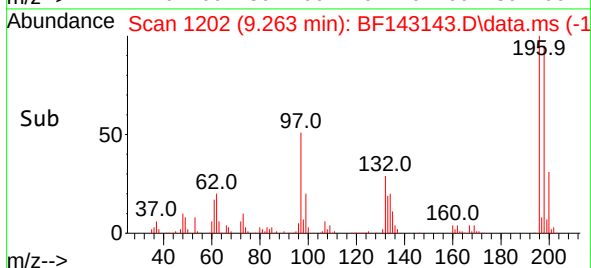
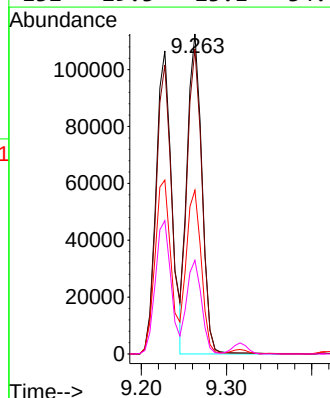
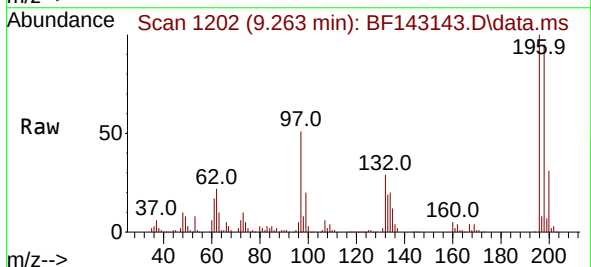
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

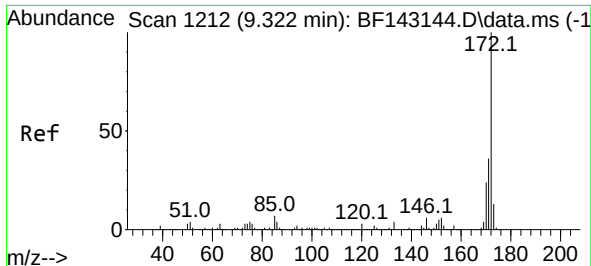
Tgt Ion:196 Resp: 135703
Ion Ratio Lower Upper
196 100
198 95.4 76.2 114.2
200 29.9 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 20.584 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:196 Resp: 135634
Ion Ratio Lower Upper
196 100
198 95.3 77.3 115.9
97 51.2 40.3 60.5
132 29.3 23.1 34.7

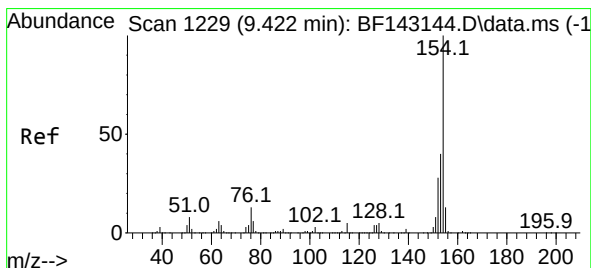
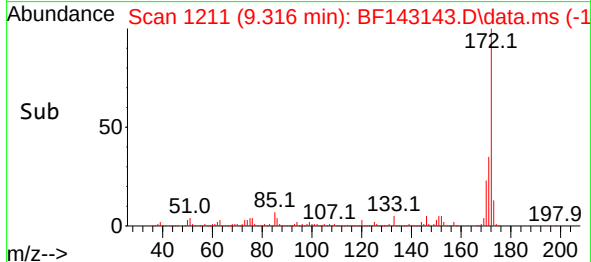
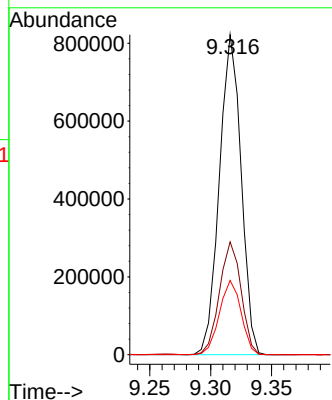
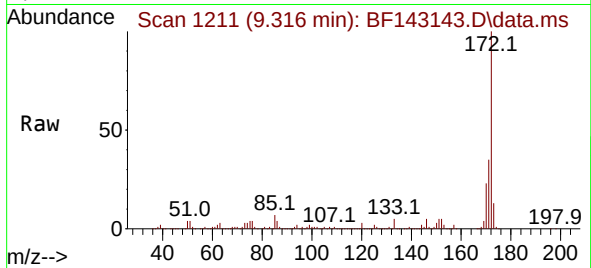




#45
2-Fluorobiphenyl
Concen: 42.301 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

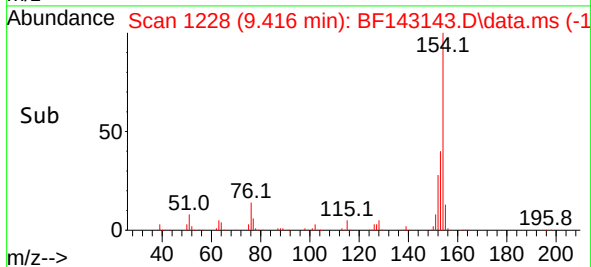
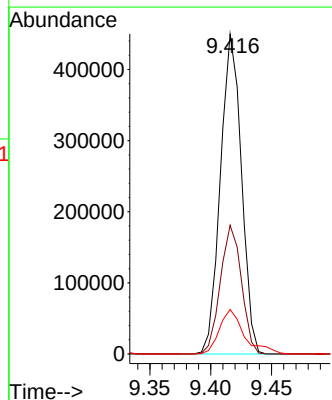
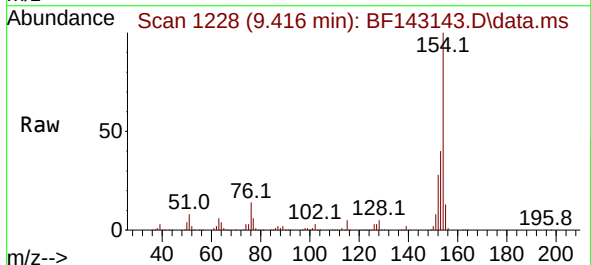
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

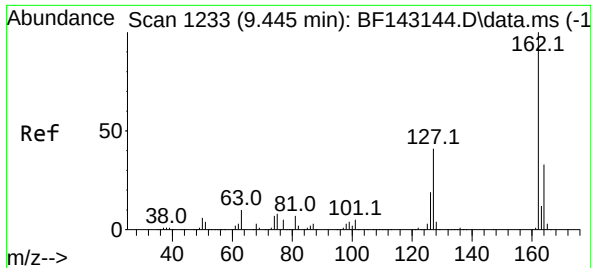
Tgt Ion:172 Resp: 1019688
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.2 18.8 28.2



#46
1,1'-Biphenyl
Concen: 21.019 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:154 Resp: 540637
Ion Ratio Lower Upper
154 100
153 40.2 20.3 60.3
76 13.9 0.0 33.3

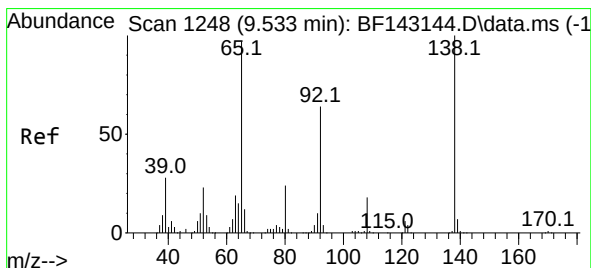
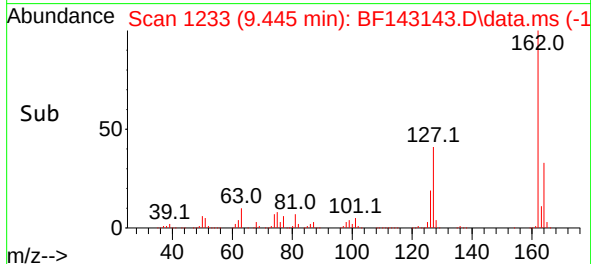
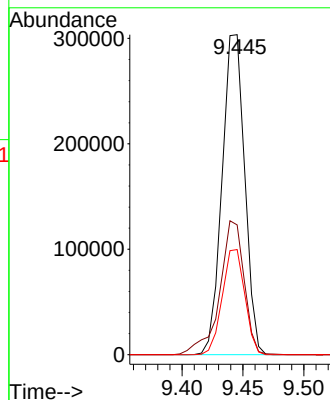
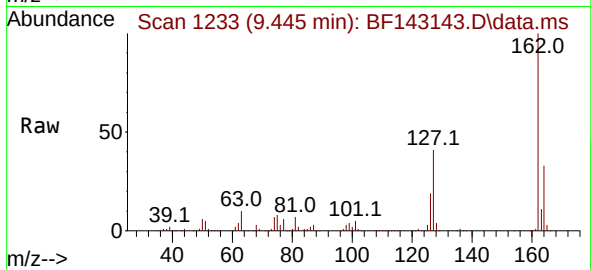




#47
2-Chloronaphthalene
Concen: 20.650 ng
RT: 9.445 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

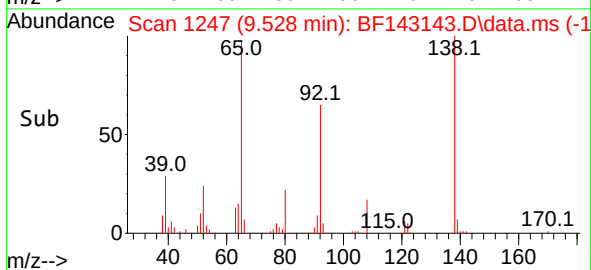
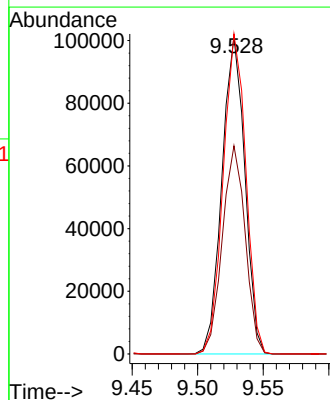
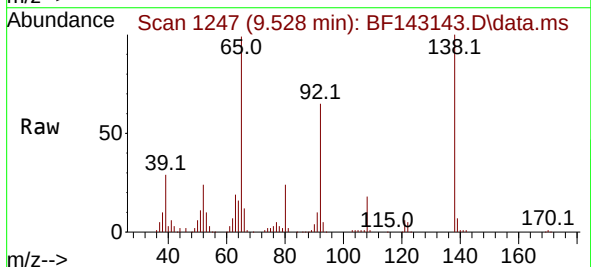
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

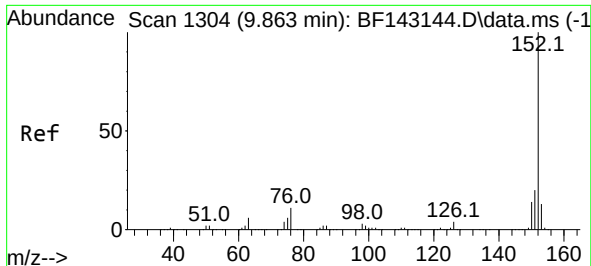
Tgt Ion:162 Resp: 393002
Ion Ratio Lower Upper
162 100
127 40.6 33.4 50.2
164 32.9 26.2 39.2



#48
2-Nitroaniline
Concen: 20.528 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 65 Resp: 122517
Ion Ratio Lower Upper
65 100
92 65.6 52.4 78.6
138 100.8 82.3 123.5





#49

Acenaphthylene

Concen: 20.789 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143143.D

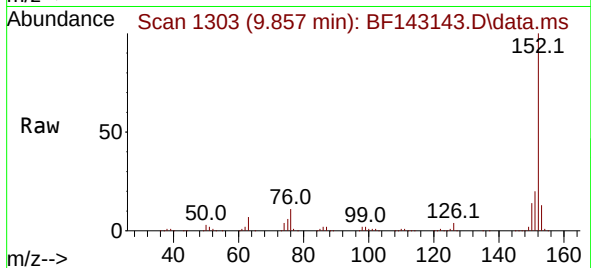
Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



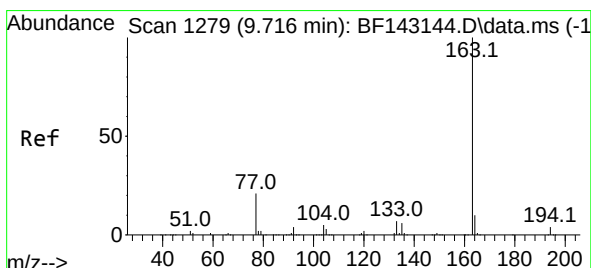
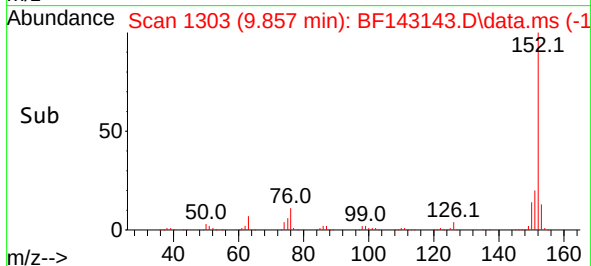
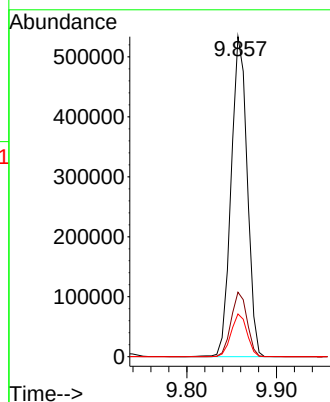
Tgt Ion:152 Resp: 663048

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 20.558 ng

RT: 9.710 min Scan# 1278

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

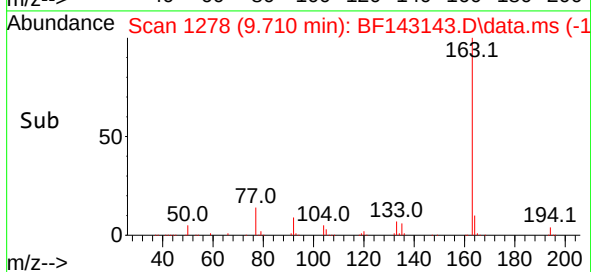
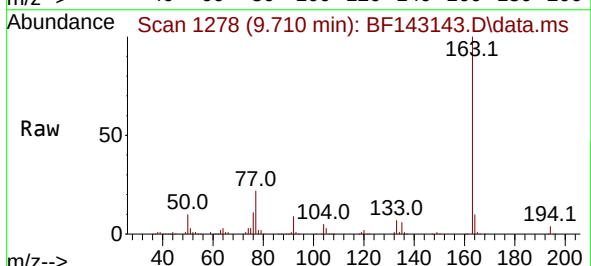
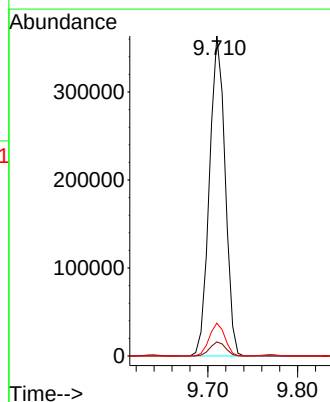
Tgt Ion:163 Resp: 441768

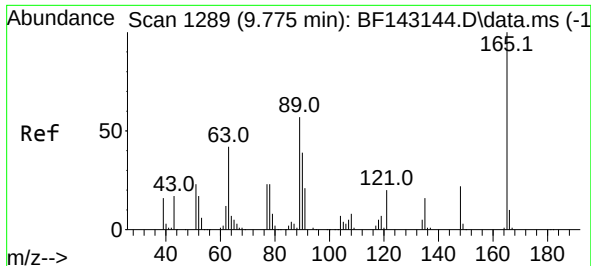
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.3 8.3 12.5

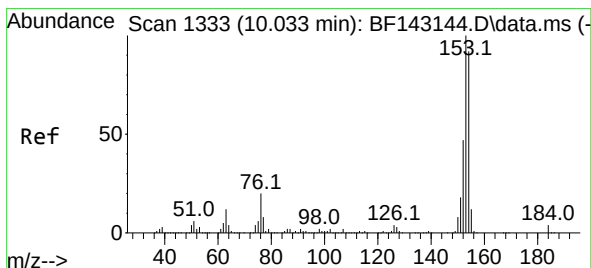
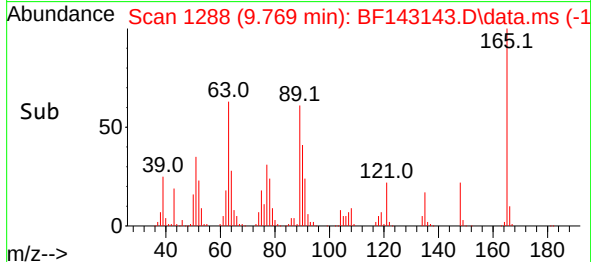
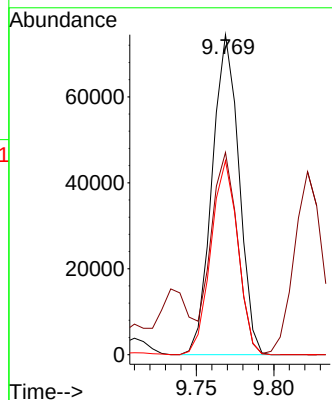
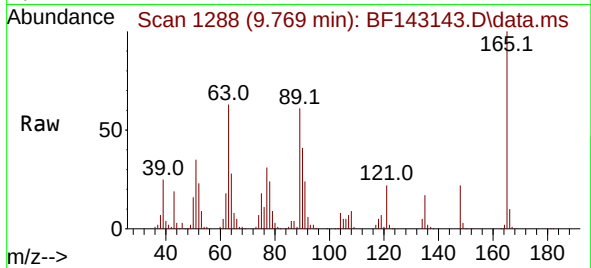




#51
2,6-Dinitrotoluene
Concen: 20.529 ng
RT: 9.769 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

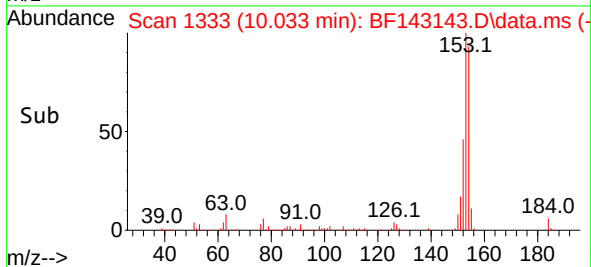
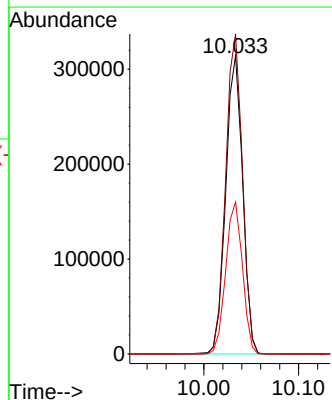
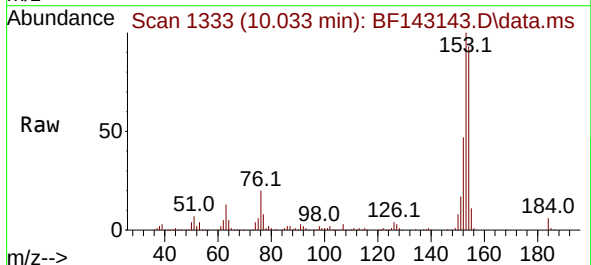
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

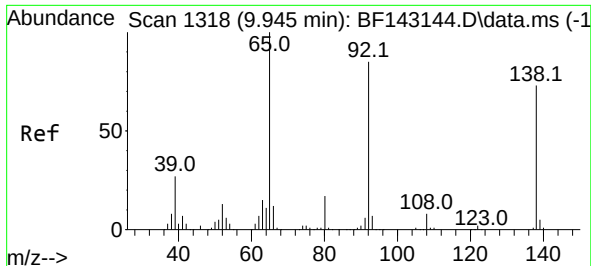
Tgt Ion:165 Resp: 89742
Ion Ratio Lower Upper
165 100
63 63.2 49.4 74.2
89 60.6 46.2 69.2



#52
Acenaphthene
Concen: 20.702 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:154 Resp: 390249
Ion Ratio Lower Upper
154 100
153 107.3 86.6 129.8
152 50.9 40.4 60.6

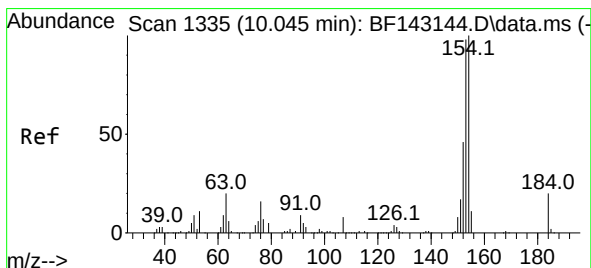
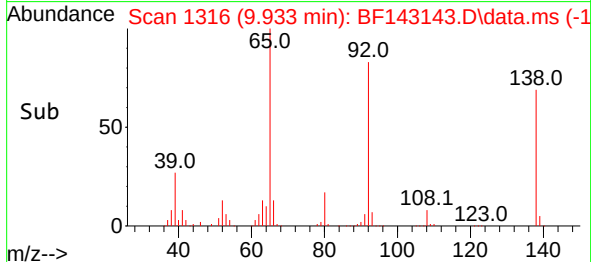
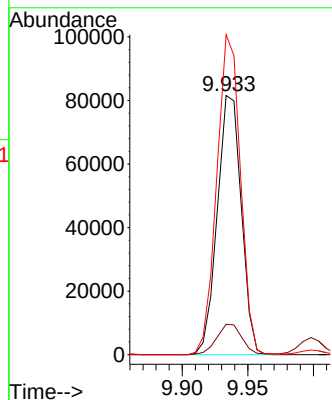
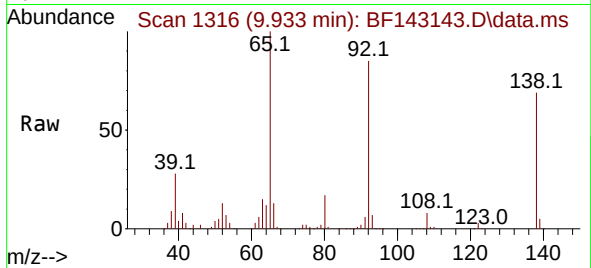




#53
3-Nitroaniline
Concen: 20.314 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

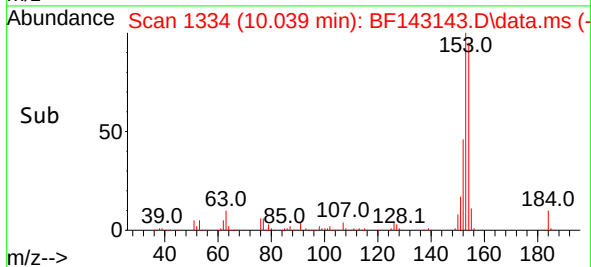
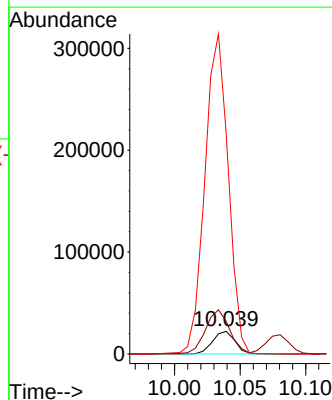
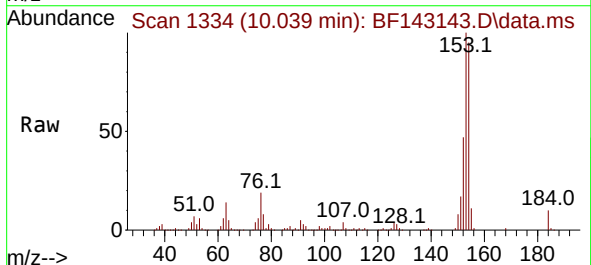
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

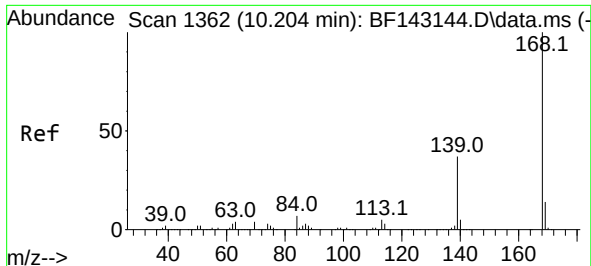
Tgt Ion:138 Resp: 103870
Ion Ratio Lower Upper
138 100
108 11.7 9.0 13.6
92 123.4 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 19.073 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:184 Resp: 26820
Ion Ratio Lower Upper
184 100
63 145.3 81.8 122.6#
154 980.0 412.2 618.4#

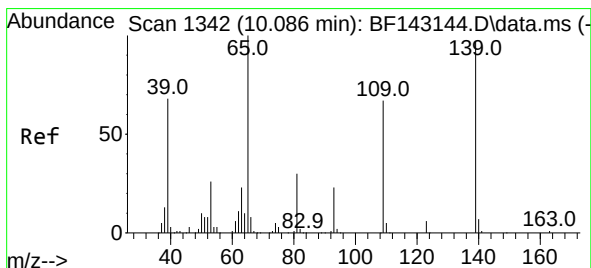
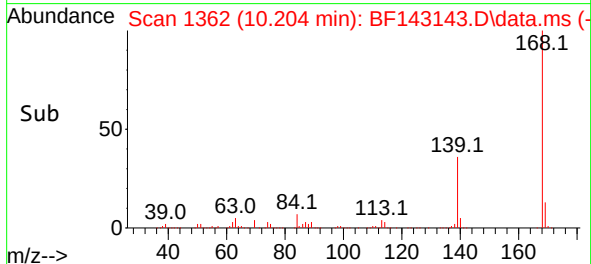
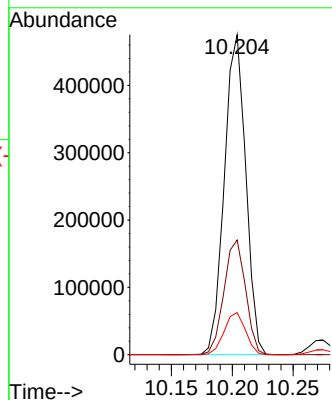
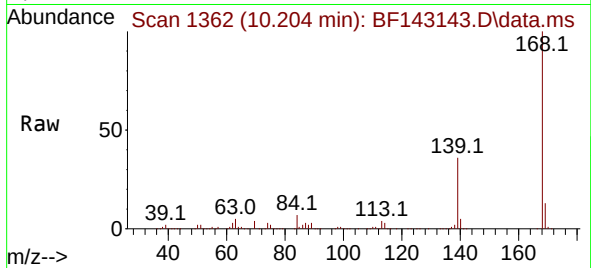




#55
Dibenzenofuran
Concen: 20.806 ng
RT: 10.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

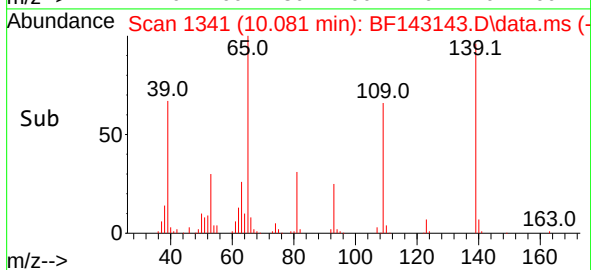
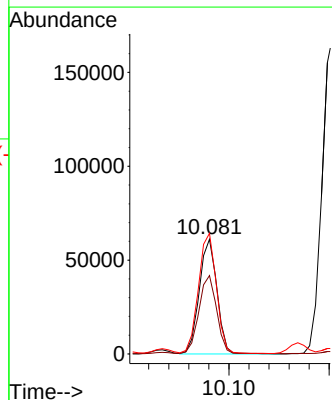
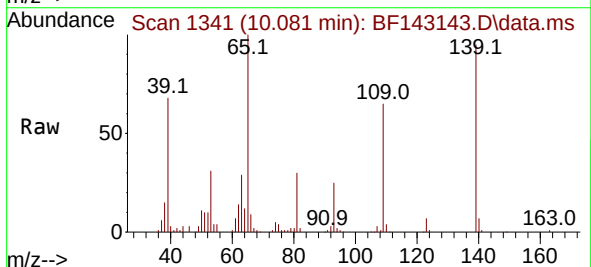
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

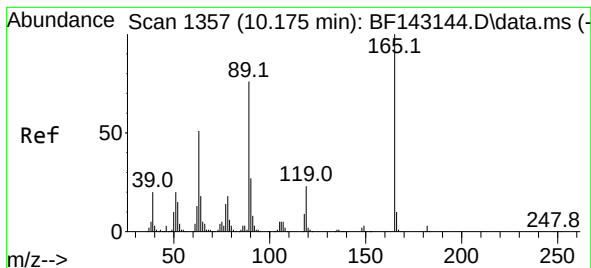
Tgt Ion:168 Resp: 582320
Ion Ratio Lower Upper
168 100
139 35.9 29.5 44.3
169 13.1 10.9 16.3



#56
4-Nitrophenol
Concen: 19.715 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:139 Resp: 75275
Ion Ratio Lower Upper
139 100
109 68.3 48.5 88.5
65 105.1 83.4 123.4

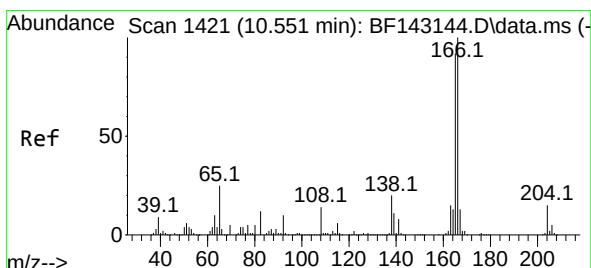
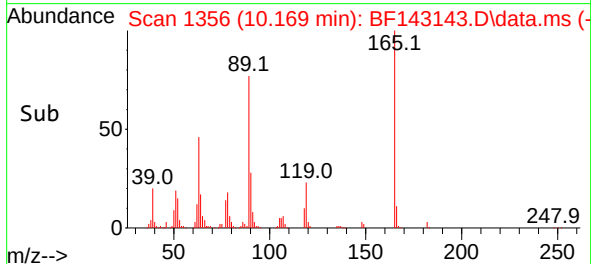
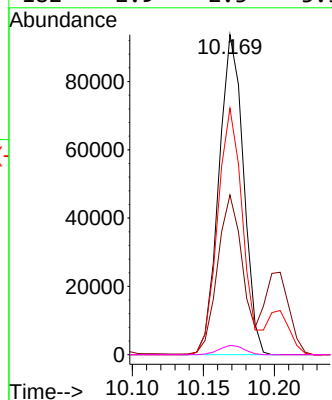
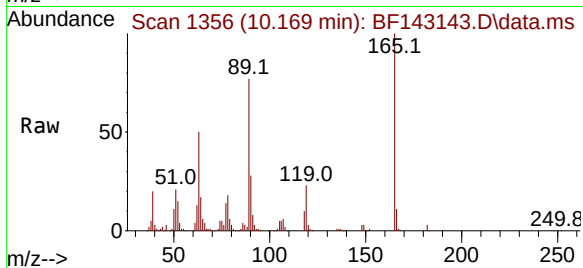




#57
2,4-Dinitrotoluene
Concen: 20.577 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

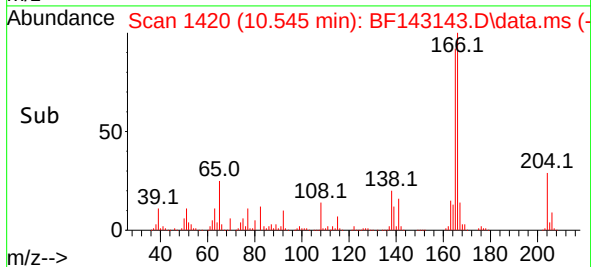
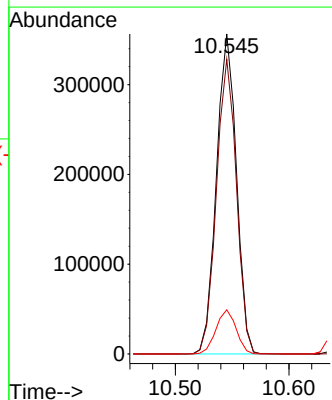
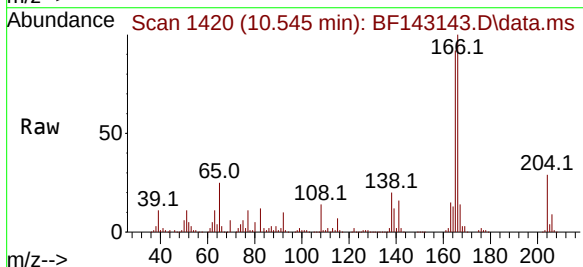
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

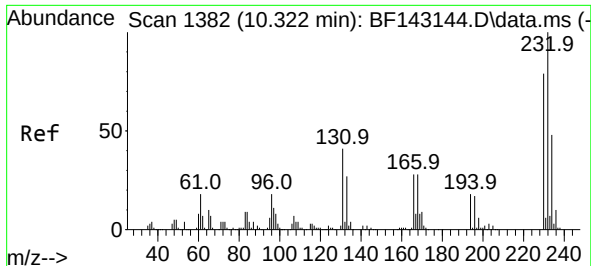
Tgt Ion:165 Resp: 112851
Ion Ratio Lower Upper
165 100
63 49.9 41.0 61.4
89 77.0 61.1 91.7
182 2.9 2.3 3.5



#58
Fluorene
Concen: 20.750 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:166 Resp: 435866
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.8 10.6 16.0

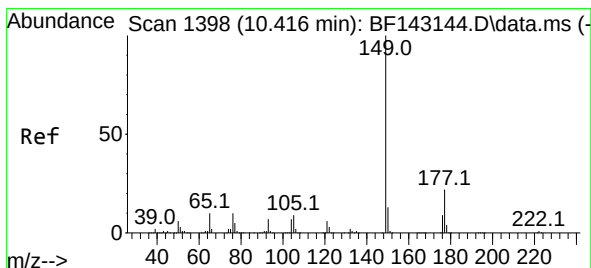
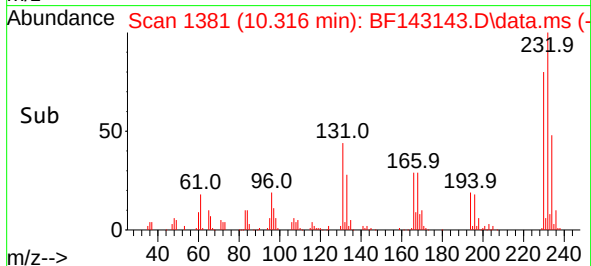
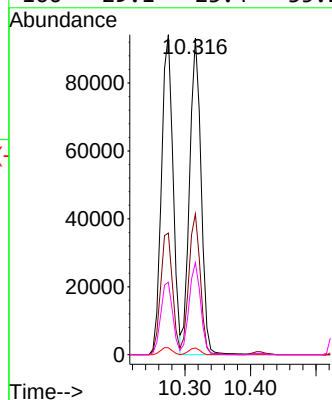
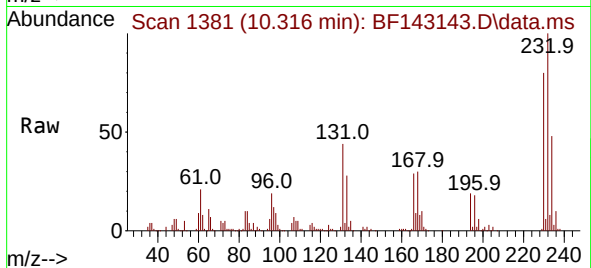




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.859 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

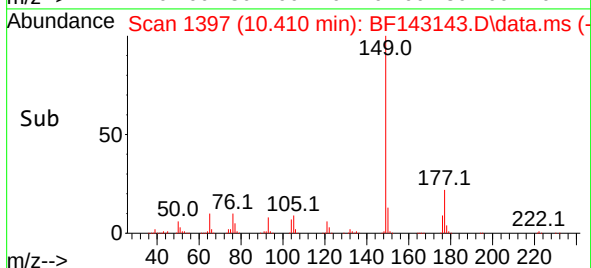
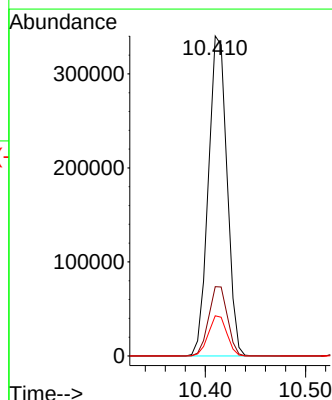
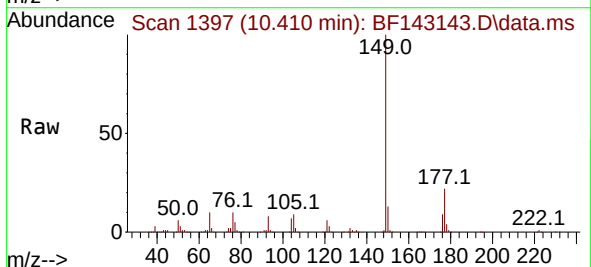
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

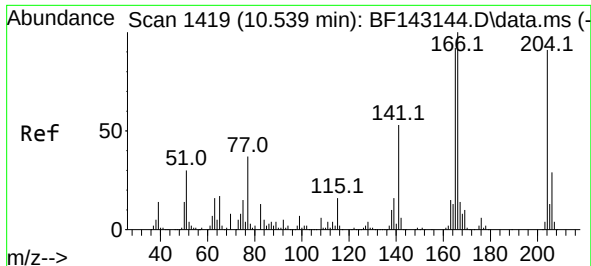
Tgt Ion:232 Resp: 113851
Ion Ratio Lower Upper
232 100
131 44.3 35.3 52.9
130 2.1 1.7 2.5
166 29.1 23.4 35.2



#60
Diethylphthalate
Concen: 20.719 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 440058
Ion Ratio Lower Upper
149 100
177 21.7 17.5 26.3
150 12.5 10.2 15.2

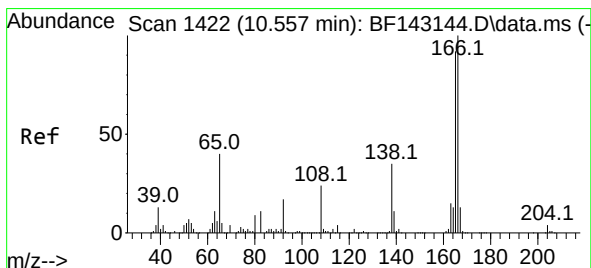
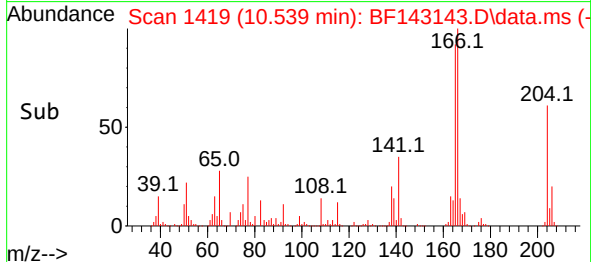
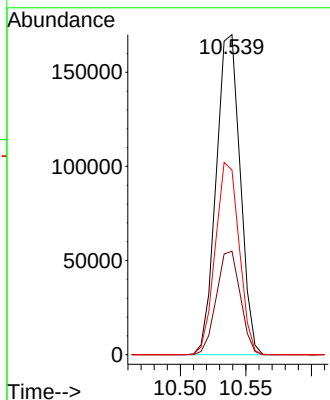
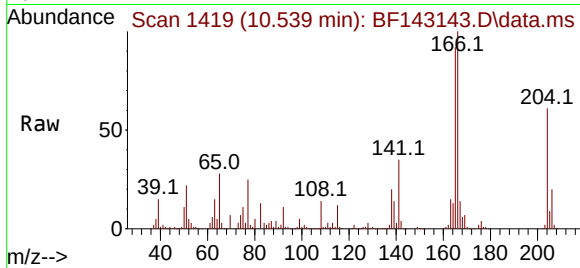




#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

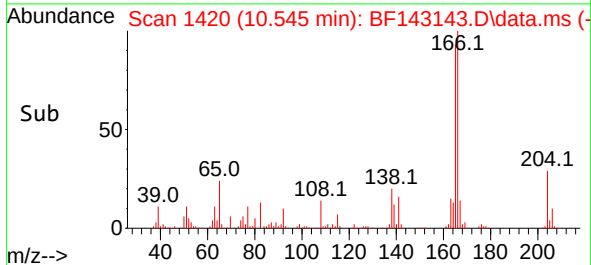
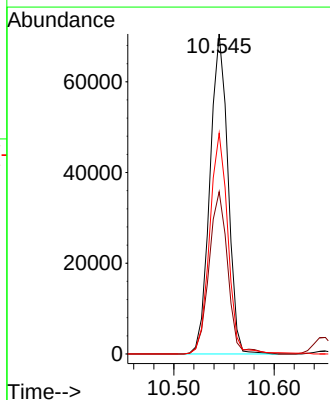
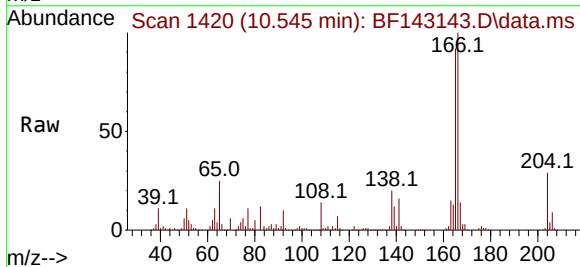
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

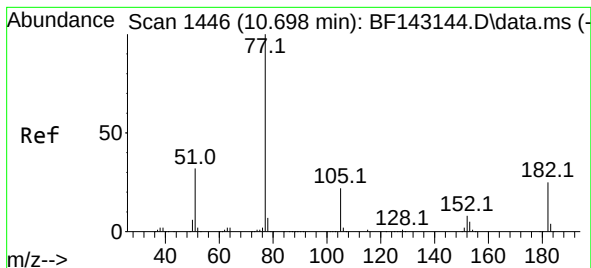
Tgt Ion:204 Resp: 216496
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 57.8 47.0 70.4



#62
4-Nitroaniline
Concen: 20.005 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:138 Resp: 87666
Ion Ratio Lower Upper
138 100
92 50.7 29.3 69.3
108 69.0 48.3 88.3





#63

Azobenzene

Concen: 20.690 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 77 Resp: 458013

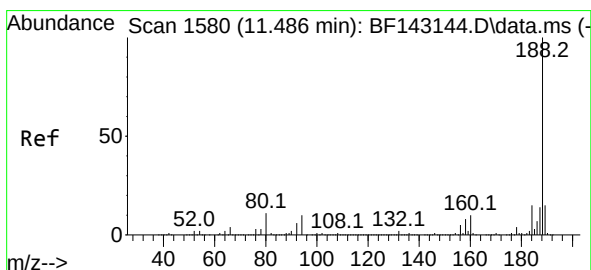
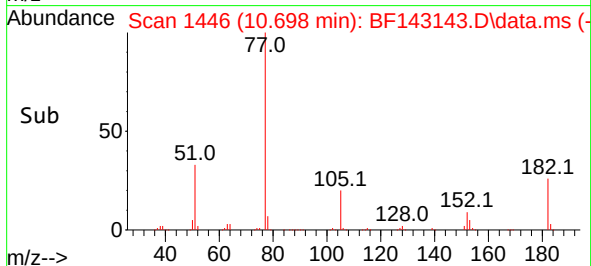
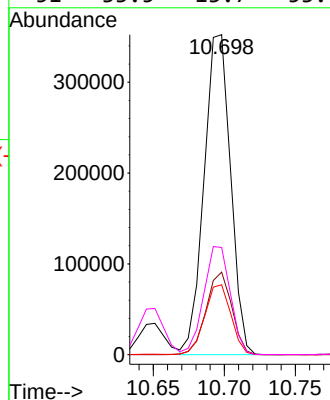
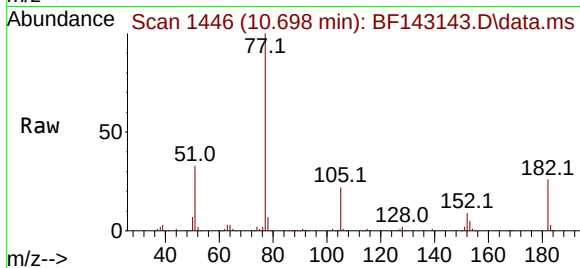
Ion Ratio Lower Upper

77 100

182 25.8 4.6 44.6

105 21.8 1.4 41.4

51 33.5 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

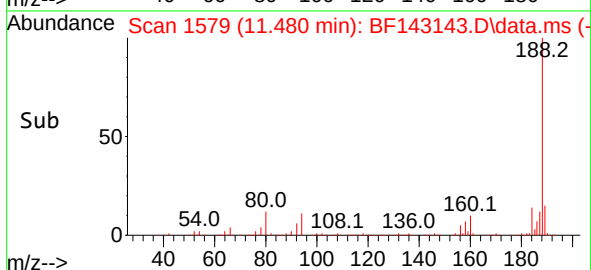
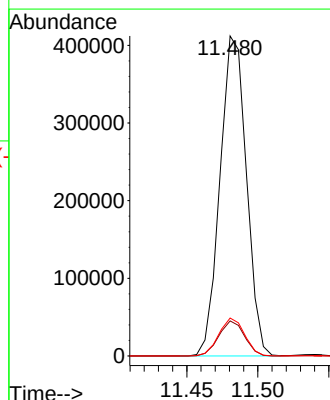
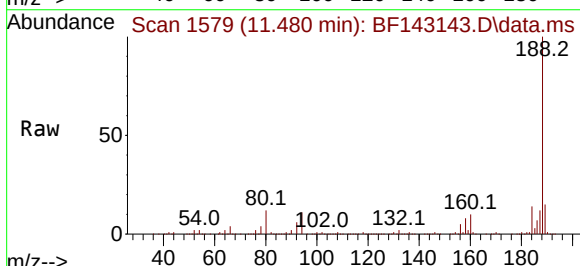
Tgt Ion:188 Resp: 532921

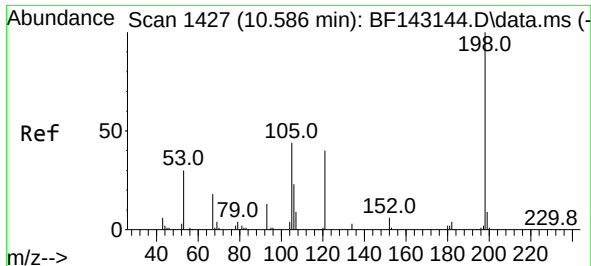
Ion Ratio Lower Upper

188 100

94 11.0 8.3 12.5

80 11.9 9.0 13.6

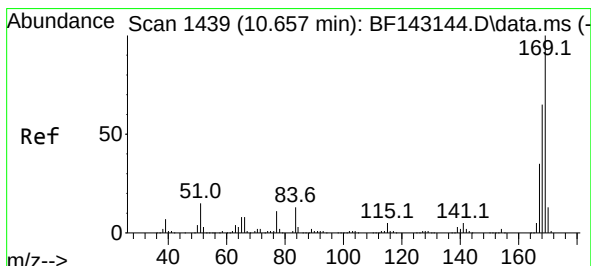
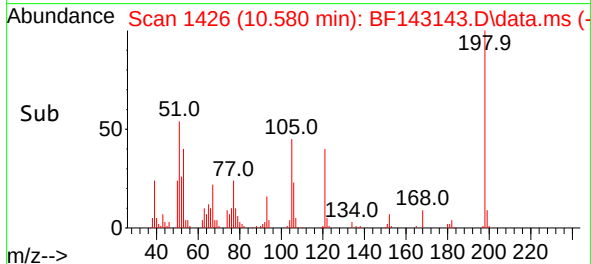
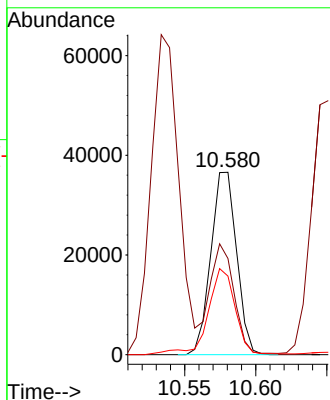
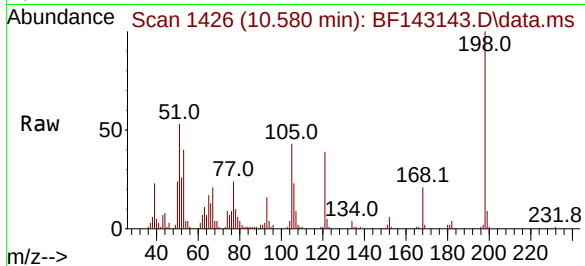




#65
4,6-Dinitro-2-methylphenol
Concen: 20.060 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

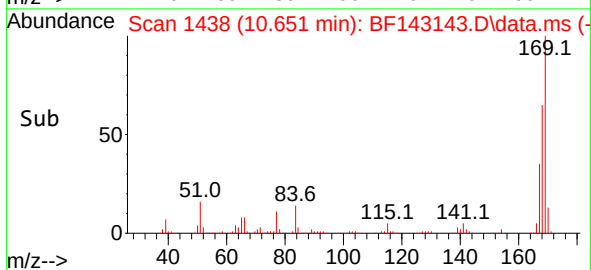
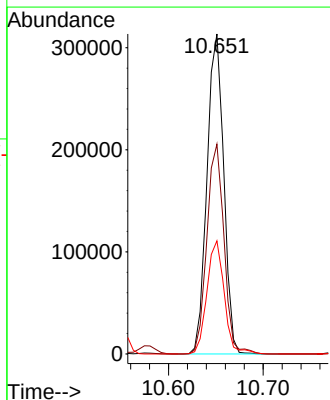
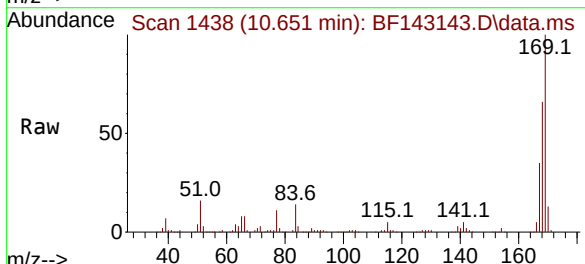
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

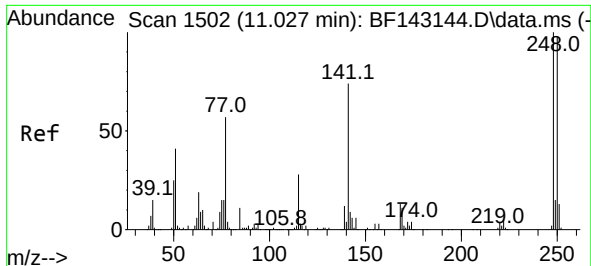
Tgt Ion:198 Resp: 46122
Ion Ratio Lower Upper
198 100
51 52.7 37.2 77.2
105 43.1 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:169 Resp: 384467
Ion Ratio Lower Upper
169 100
168 65.6 52.1 78.1
167 35.4 28.2 42.2





#67

4-Bromophenyl-phenylether

Concen: 20.259 ng

RT: 11.028 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

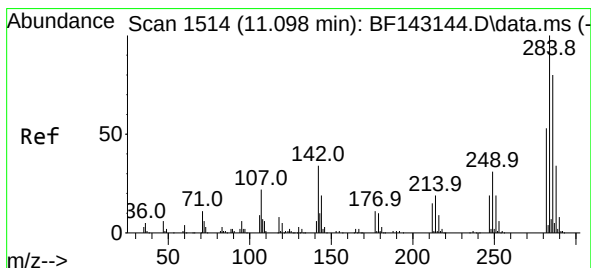
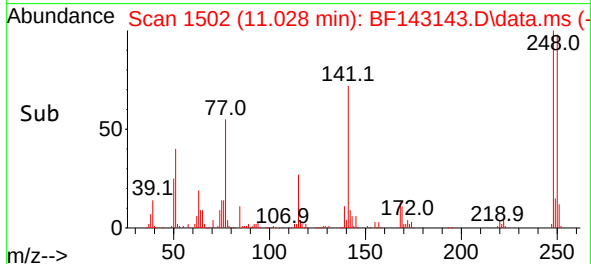
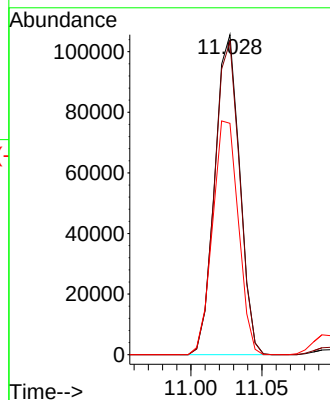
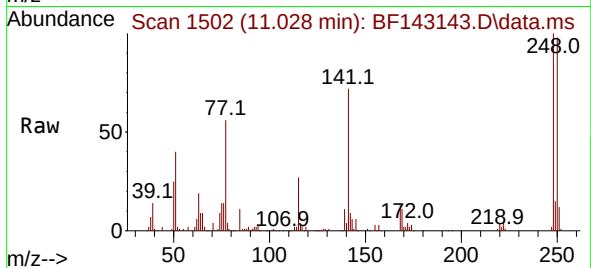
Tgt Ion:248 Resp: 128663

Ion Ratio Lower Upper

248 100

250 97.8 78.3 117.5

141 72.3 59.2 88.8



#68

Hexachlorobenzene

Concen: 20.191 ng

RT: 11.098 min Scan# 1514

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

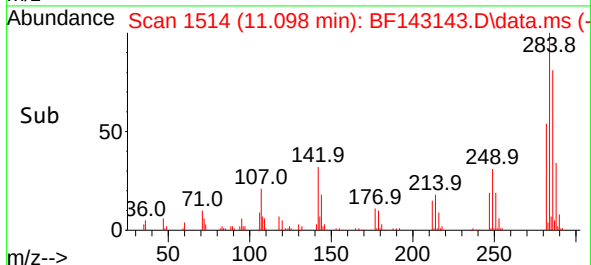
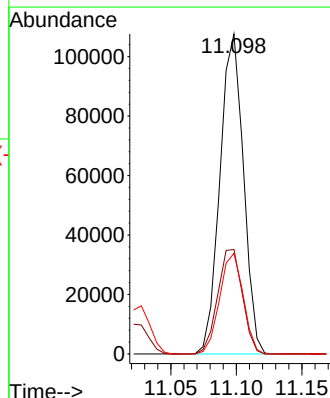
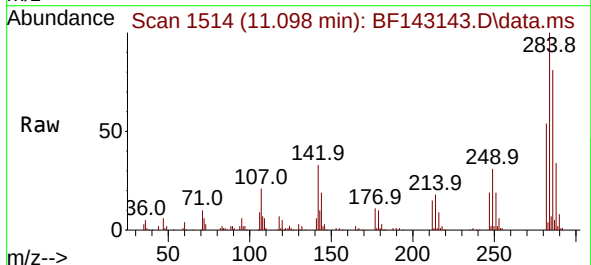
Tgt Ion:284 Resp: 134031

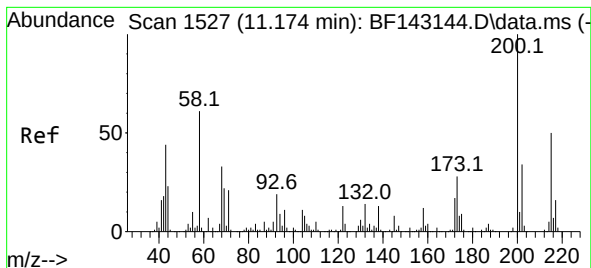
Ion Ratio Lower Upper

284 100

142 32.7 27.0 40.6

249 31.5 25.0 37.6





#69

Atrazine

Concen: 20.370 ng

RT: 11.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

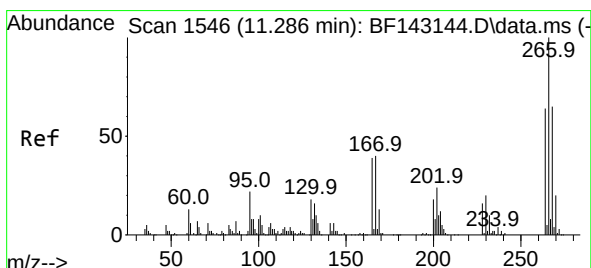
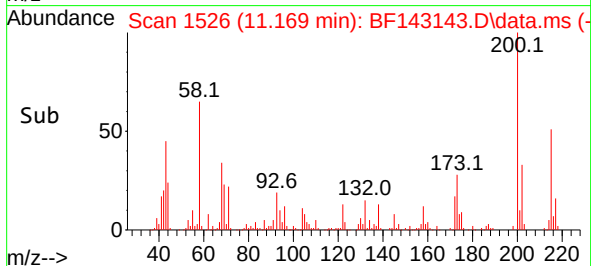
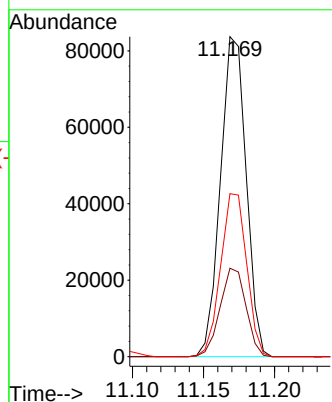
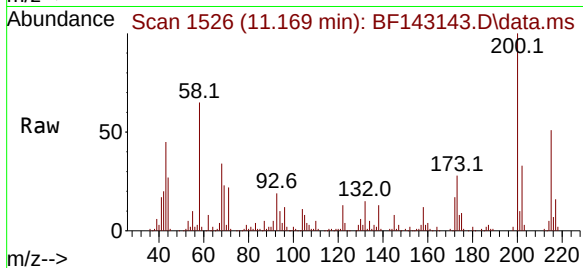
Tgt Ion:200 Resp: 105386

Ion Ratio Lower Upper

200 100

173 27.7 7.9 47.9

215 51.0 30.1 70.1



#70

Pentachlorophenol

Concen: 19.957 ng

RT: 11.280 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

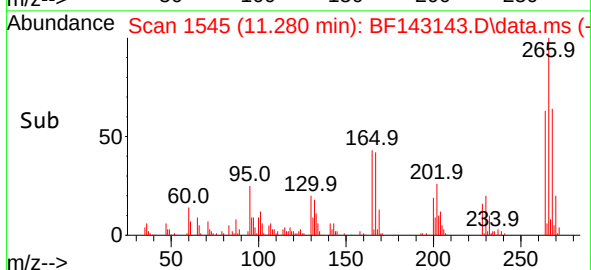
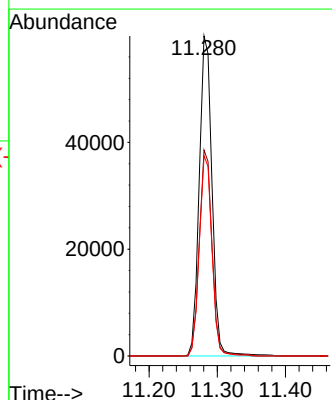
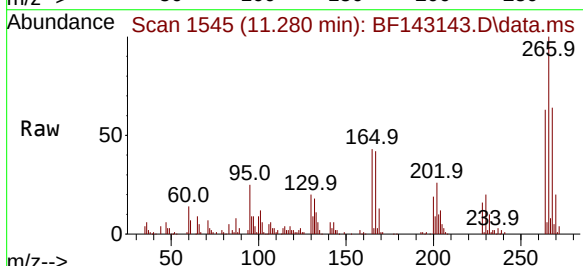
Tgt Ion:266 Resp: 77906

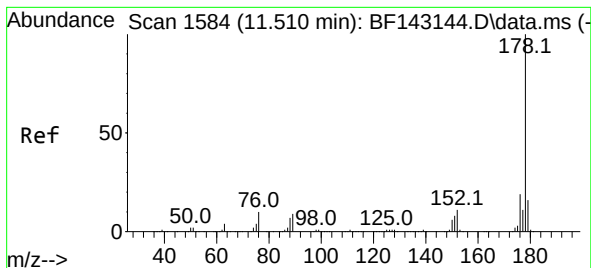
Ion Ratio Lower Upper

266 100

268 64.3 51.9 77.9

264 62.6 51.0 76.6





#71

Phenanthrene

Concen: 21.042 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

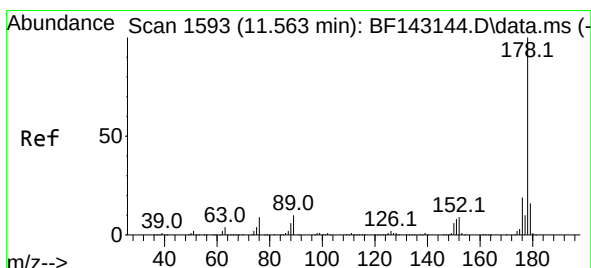
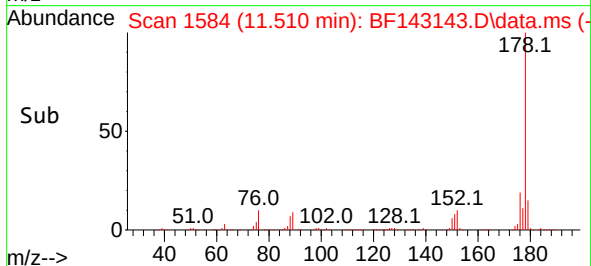
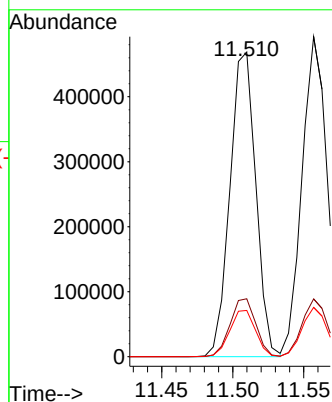
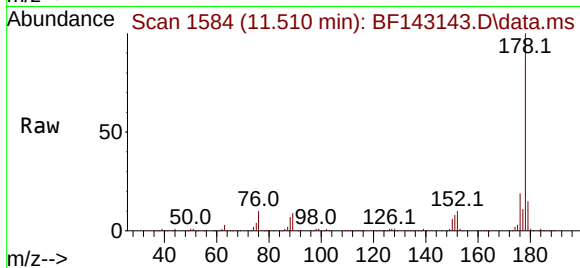
Tgt Ion:178 Resp: 595411

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.2 12.5 18.7



#72

Anthracene

Concen: 20.944 ng

RT: 11.557 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

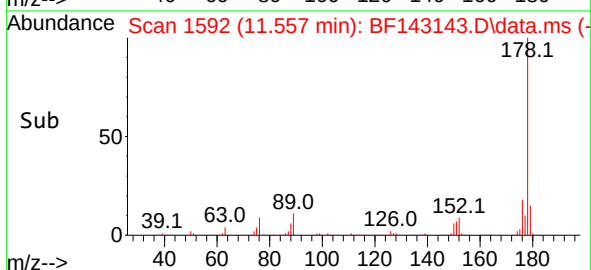
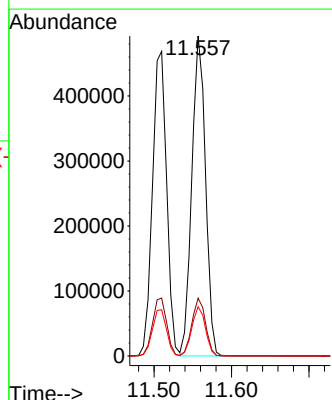
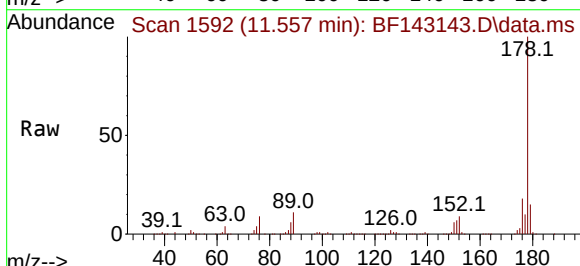
Tgt Ion:178 Resp: 604416

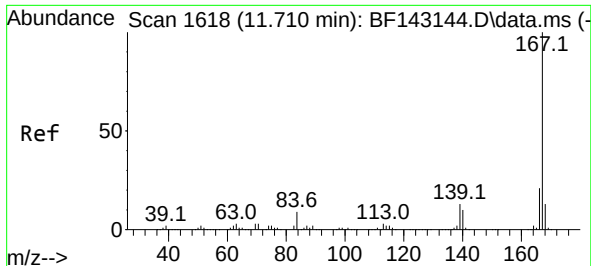
Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

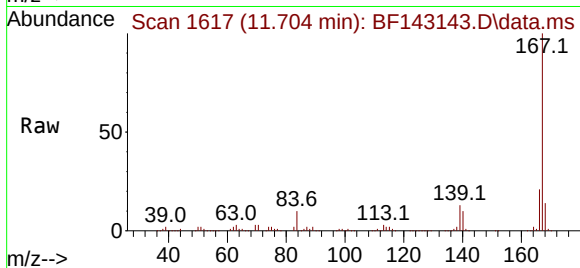
179 15.4 12.5 18.7



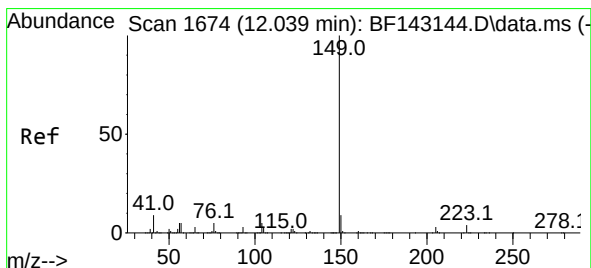
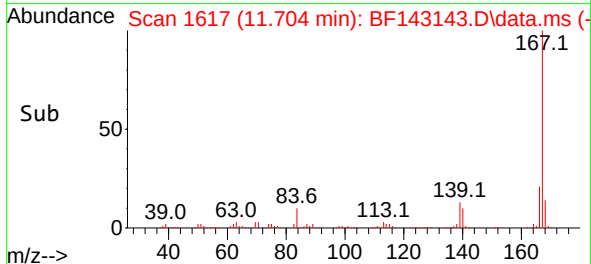
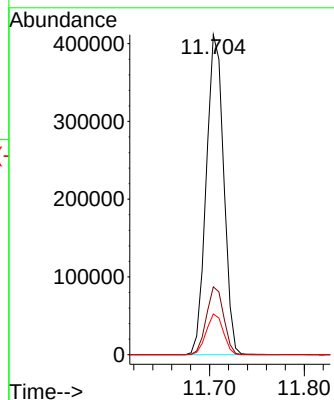


#73
Carbazole
Concen: 20.769 ng
RT: 11.704 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

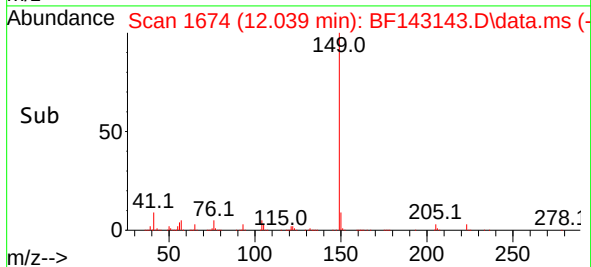
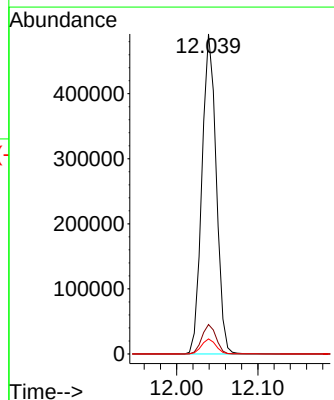
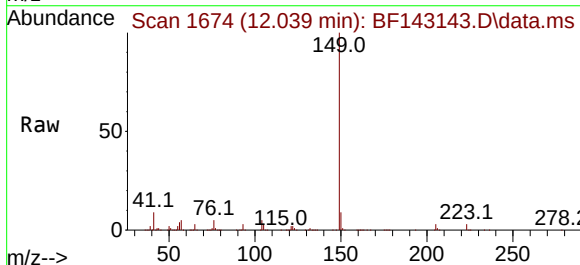


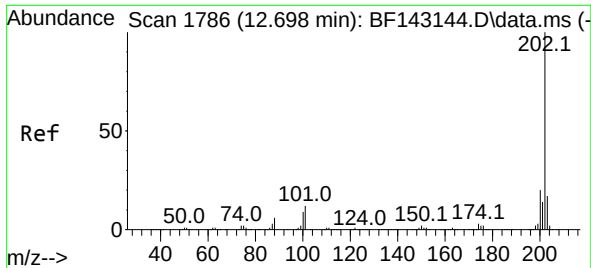
Tgt Ion:167 Resp: 523365
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.7 10.0 15.0



#74
Di-n-butylphthalate
Concen: 21.108 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 601867
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.7 3.8 5.8

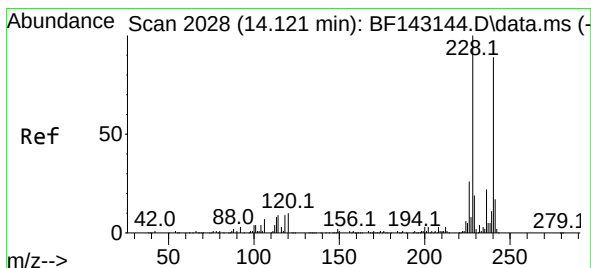
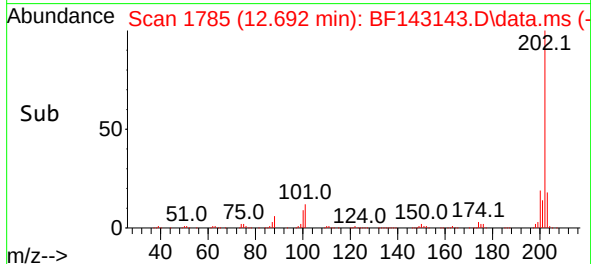
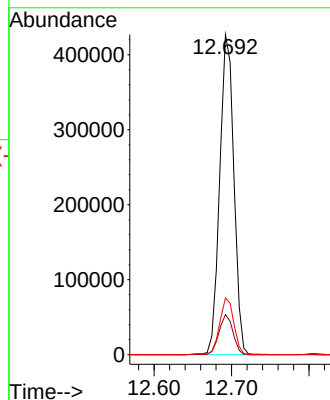
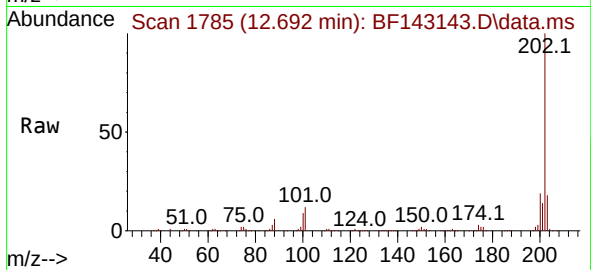




#75
Fluoranthene
Concen: 20.894 ng
RT: 12.692 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

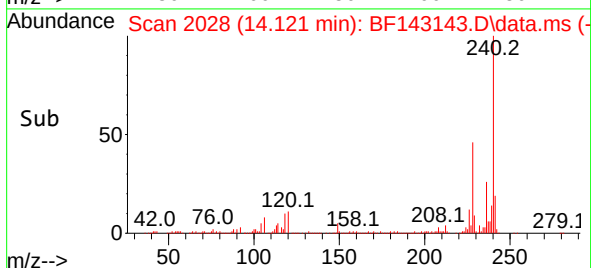
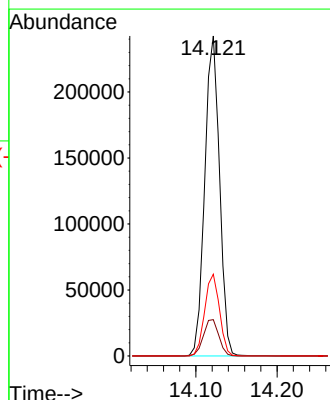
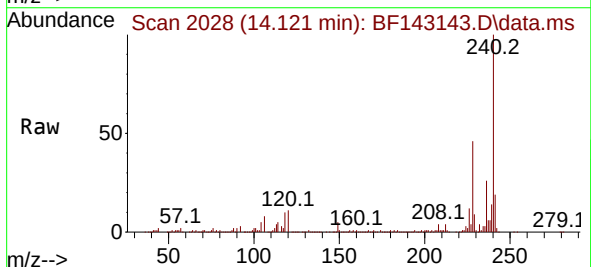
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

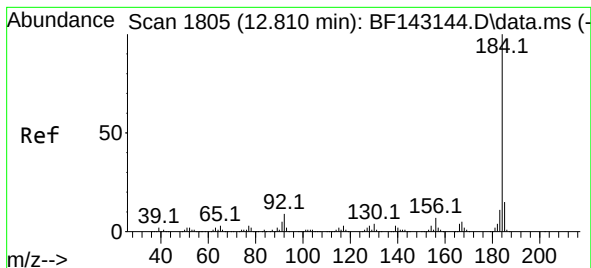
Tgt Ion:202 Resp: 542662
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.7
203 17.7 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:240 Resp: 305398
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 25.5 20.2 30.4





#77

Benzidine

Concen: 21.919 ng

RT: 12.810 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

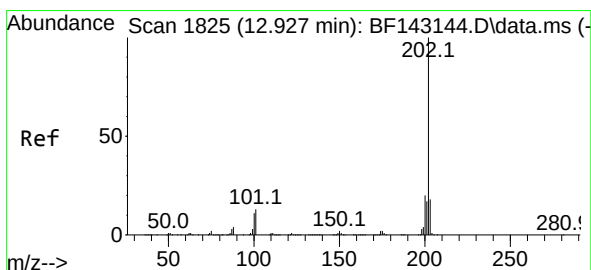
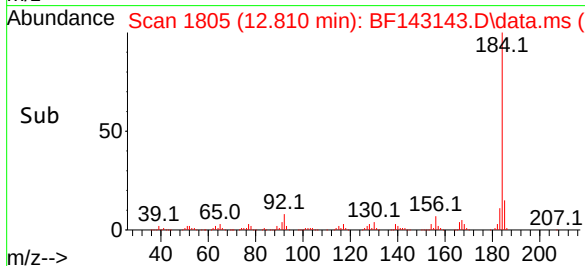
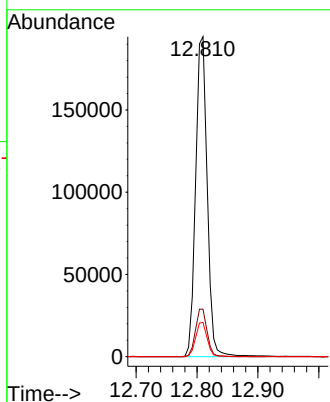
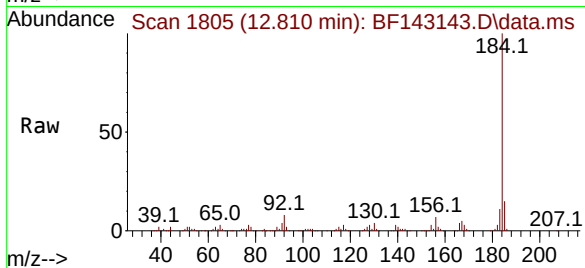
Tgt Ion:184 Resp: 257904

Ion Ratio Lower Upper

184 100

185 14.9 12.2 18.4

183 10.7 9.0 13.4



#78

Pyrene

Concen: 20.897 ng

RT: 12.922 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

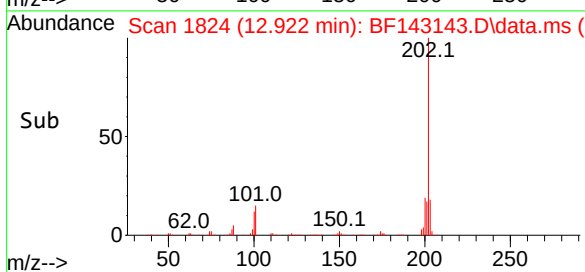
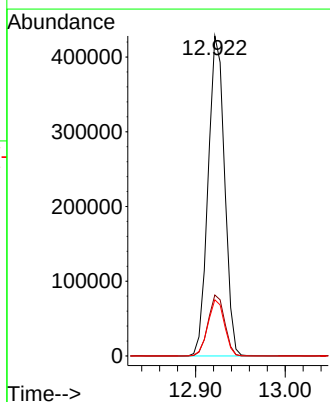
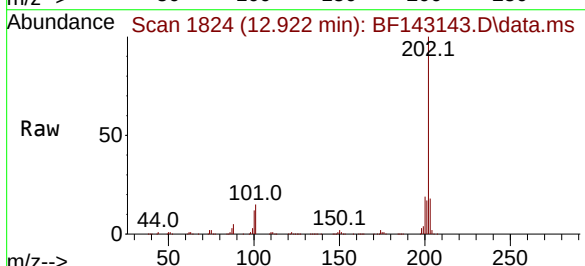
Tgt Ion:202 Resp: 544650

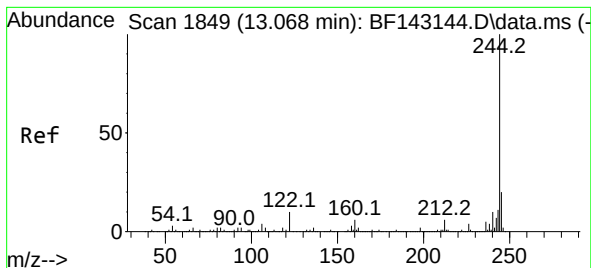
Ion Ratio Lower Upper

202 100

200 19.1 15.7 23.5

203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 42.238 ng

RT: 13.063 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

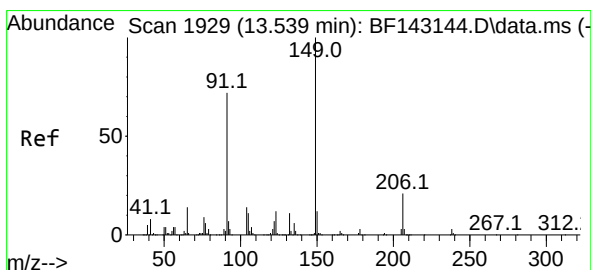
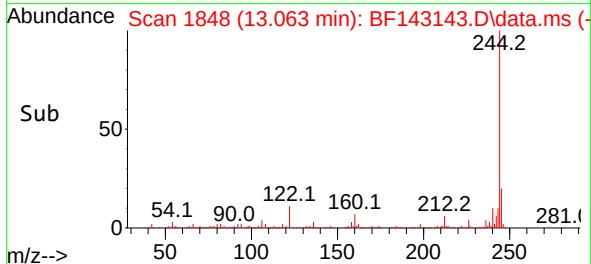
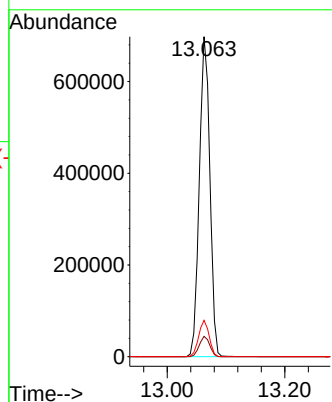
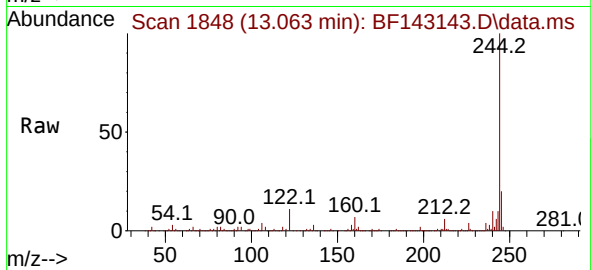
Tgt Ion:244 Resp: 866830

Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

122 11.3 8.2 12.2



#80

Butylbenzylphthalate

Concen: 20.491 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

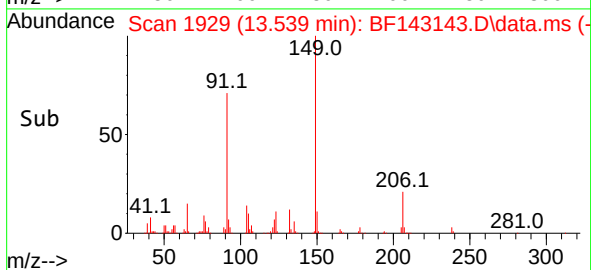
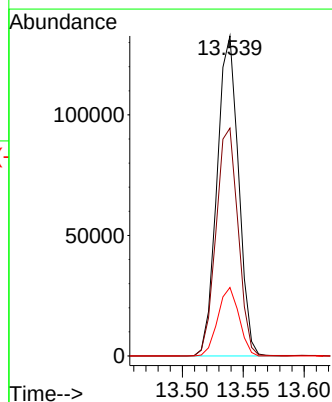
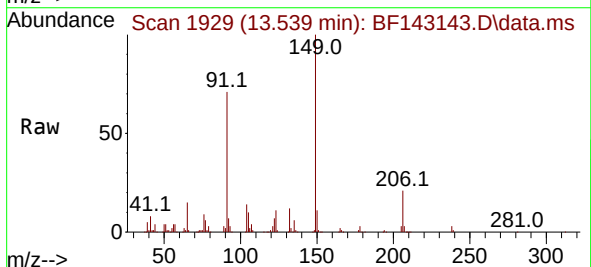
Tgt Ion:149 Resp: 163546

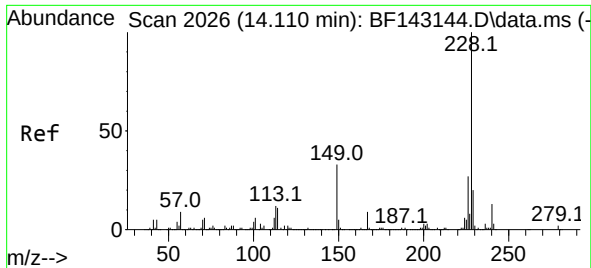
Ion Ratio Lower Upper

149 100

91 71.2 57.9 86.9

206 21.4 17.0 25.4

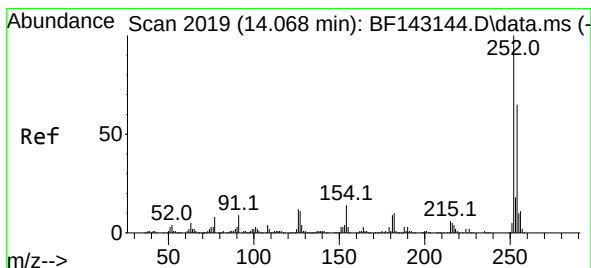
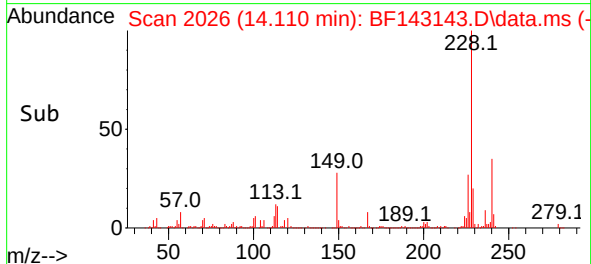
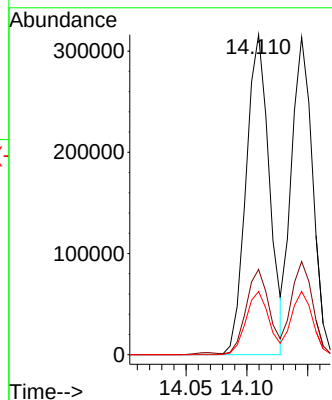
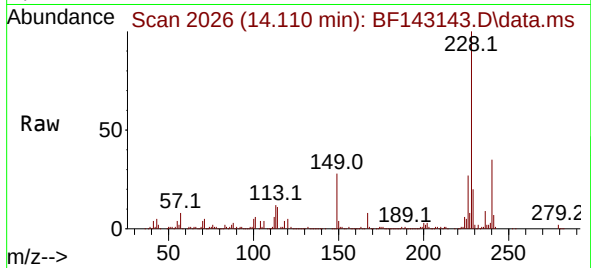




#81
Benzo(a)anthracene
Concen: 20.629 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

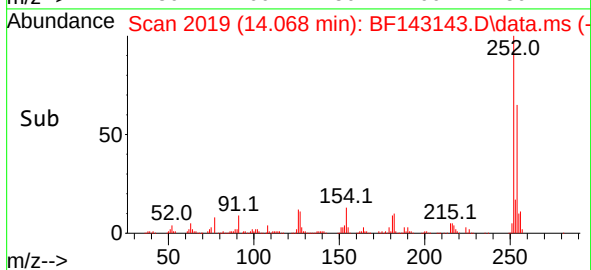
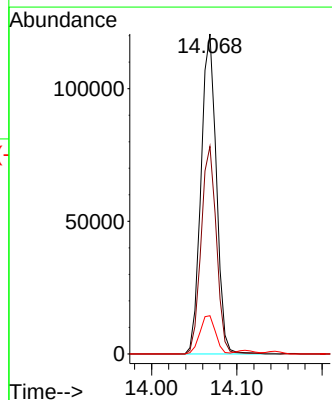
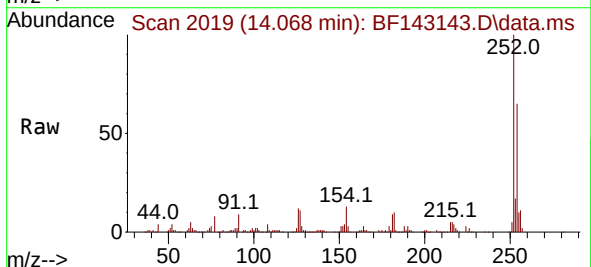
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

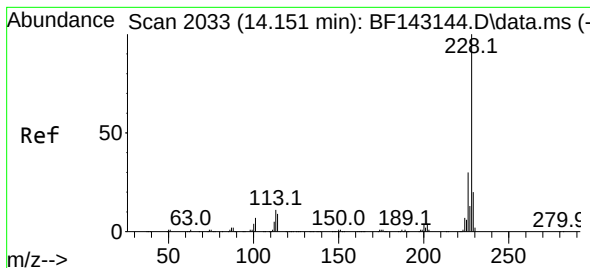
Tgt Ion:228 Resp: 421791
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.8 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 22.181 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 151153
Ion Ratio Lower Upper
252 100
254 64.9 51.7 77.5
126 12.0 9.4 14.0





#83

Chrysene

Concen: 20.714 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

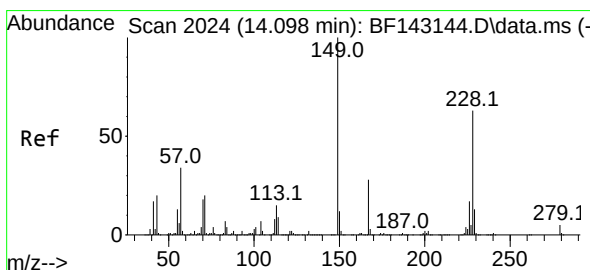
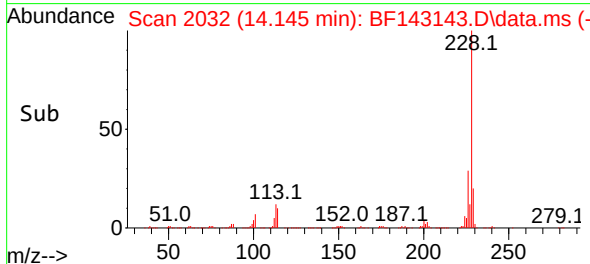
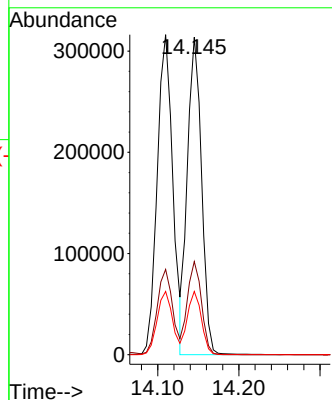
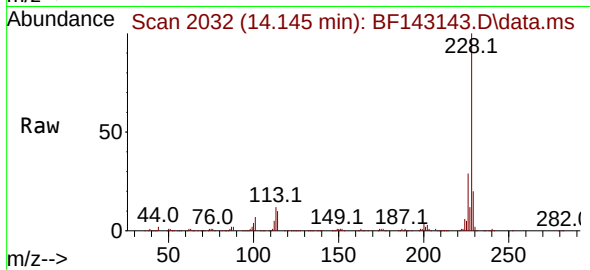
Tgt Ion:228 Resp: 380799

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.839 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

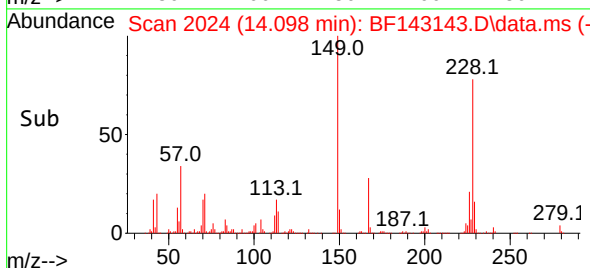
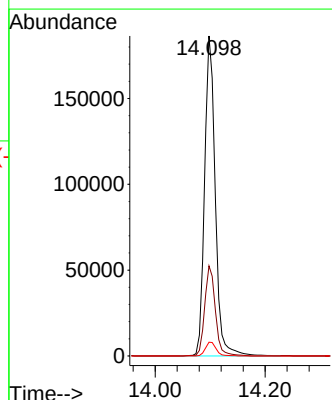
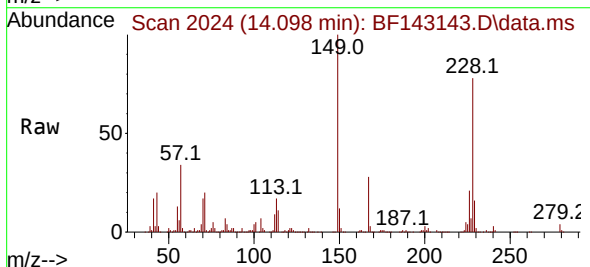
Tgt Ion:149 Resp: 251739

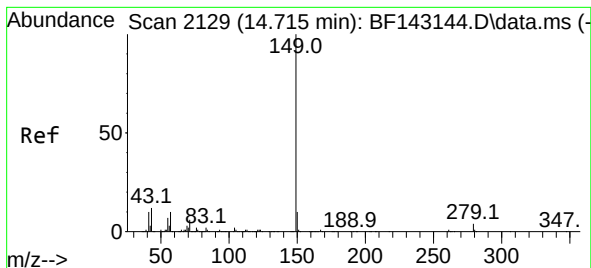
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.3 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 19.916 ng

RT: 14.716 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

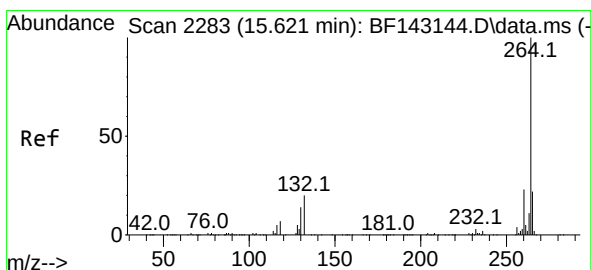
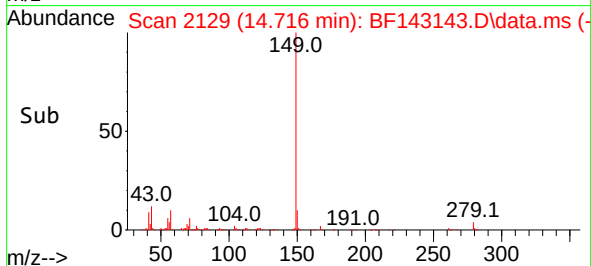
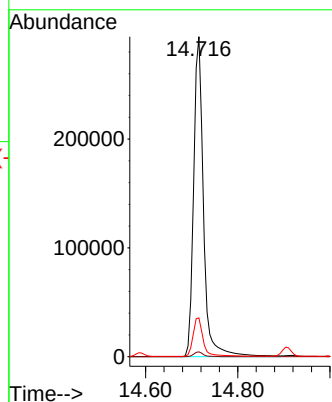
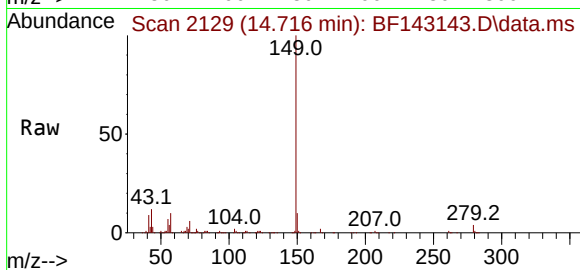
Tgt Ion:149 Resp: 436102

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 12.4 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

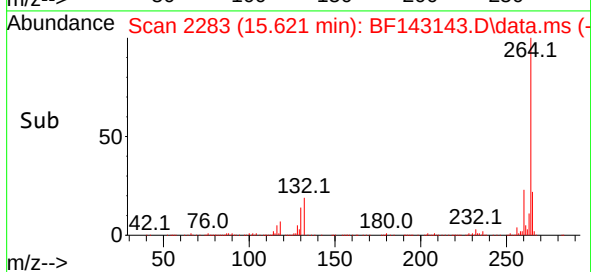
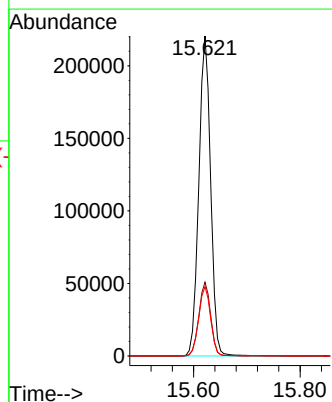
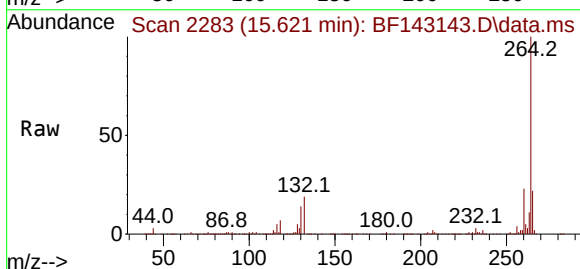
Tgt Ion:264 Resp: 338518

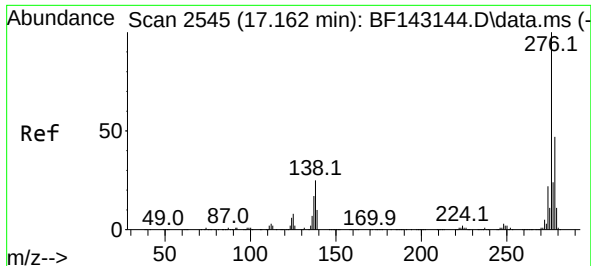
Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.7 17.4 26.2

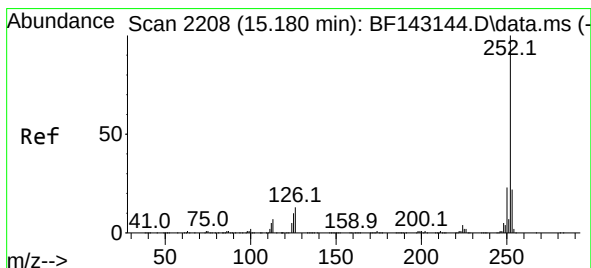
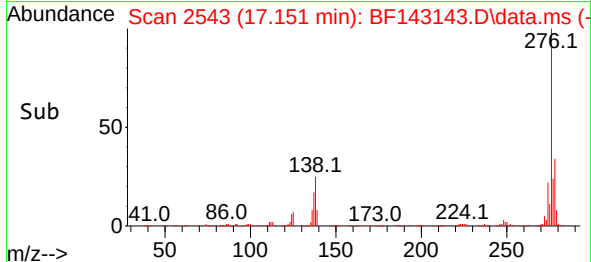
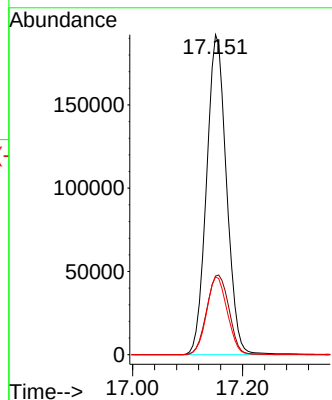
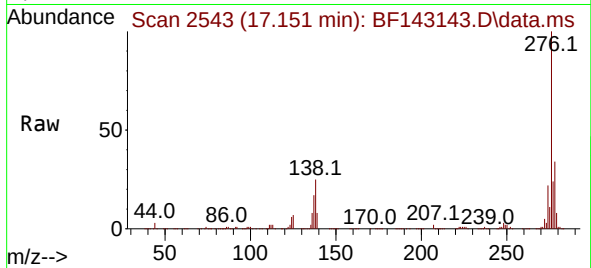




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.286 ng
RT: 17.151 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

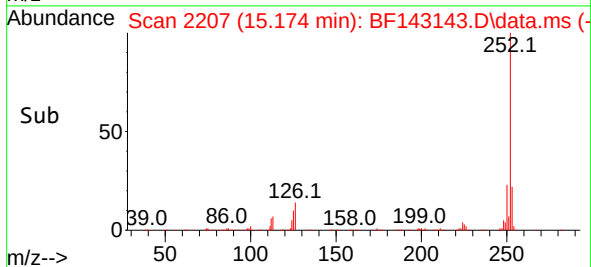
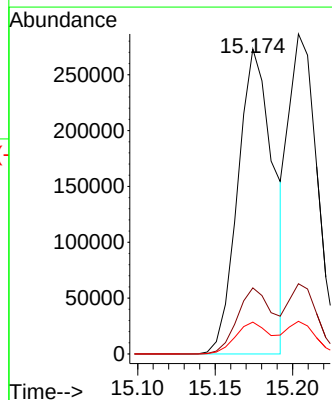
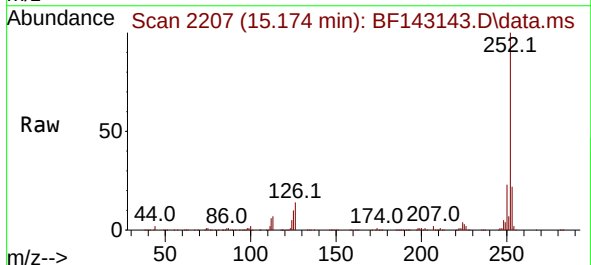
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

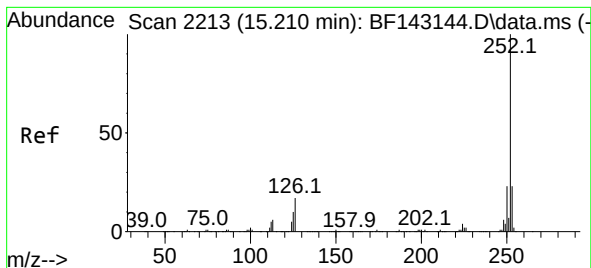
Tgt Ion:276 Resp: 484240
Ion Ratio Lower Upper
276 100
138 27.8 21.8 32.6
277 25.3 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 21.071 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 435747
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 20.044 ng

RT: 15.204 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

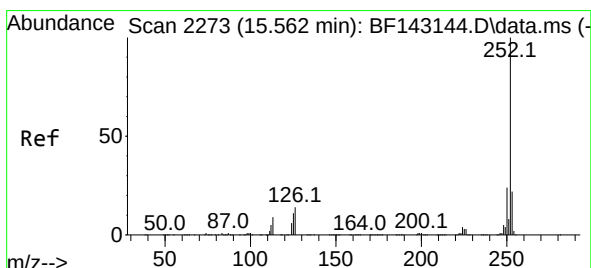
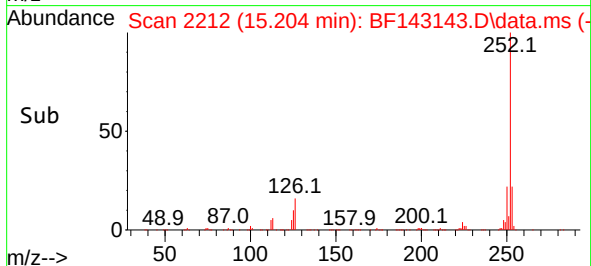
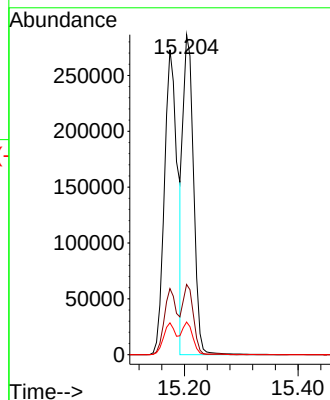
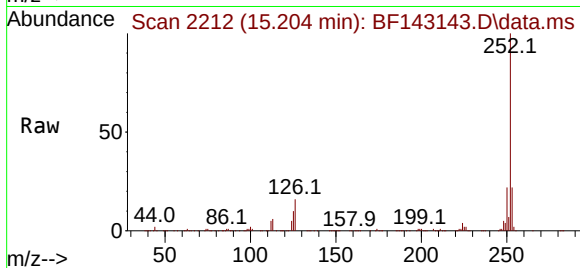
Tgt Ion:252 Resp: 369899

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 10.2 8.1 12.1



#90

Benzo(a)pyrene

Concen: 20.371 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

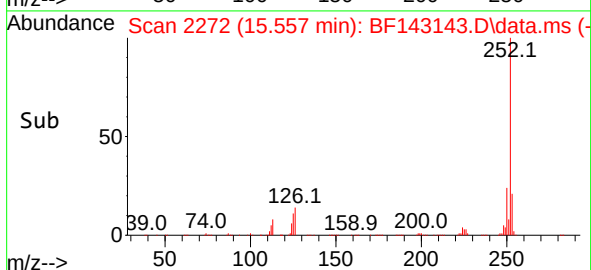
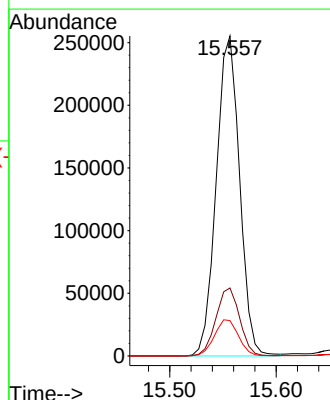
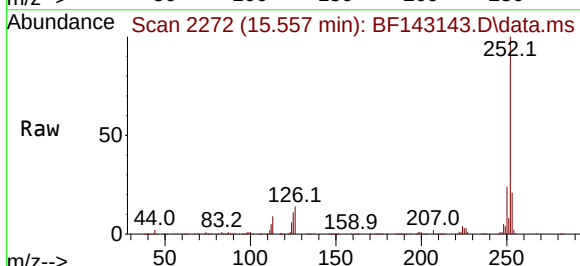
Tgt Ion:252 Resp: 388136

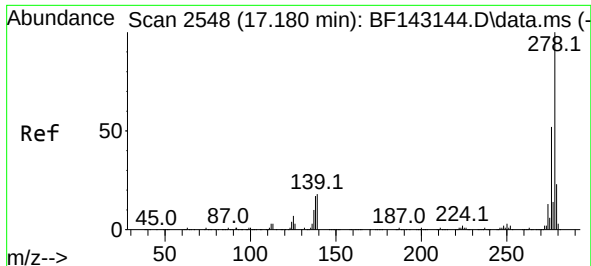
Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

125 11.0 8.6 13.0

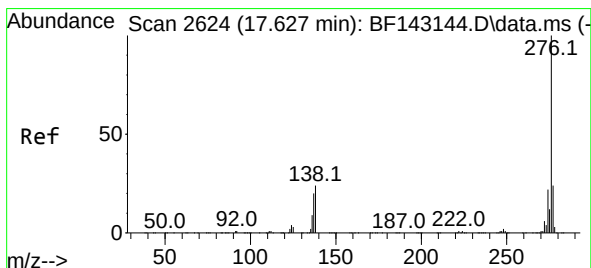
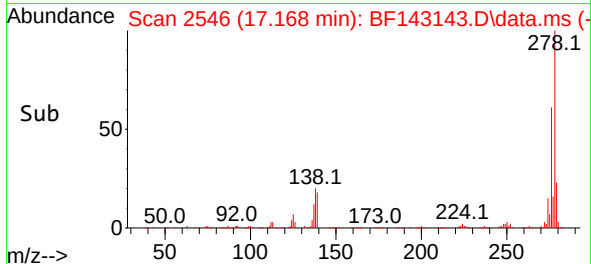
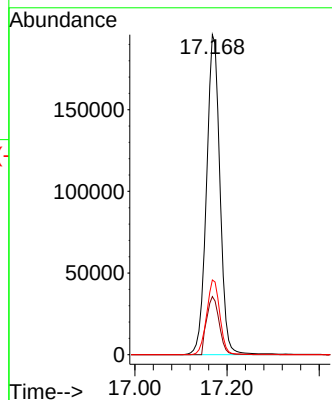
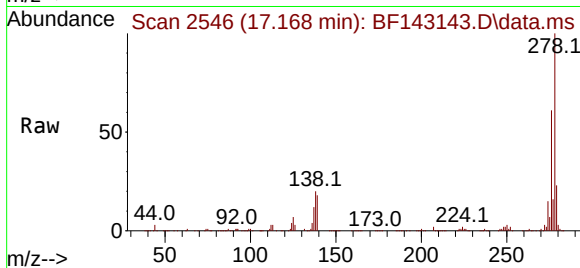




#91
Dibenzo(a,h)anthracene
Concen: 20.534 ng
RT: 17.168 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

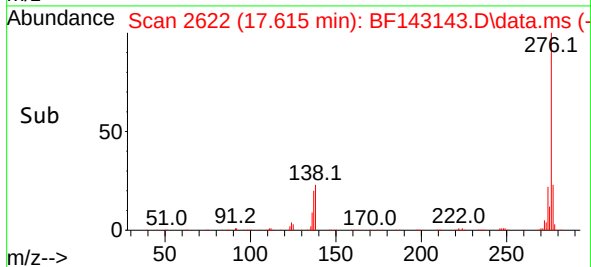
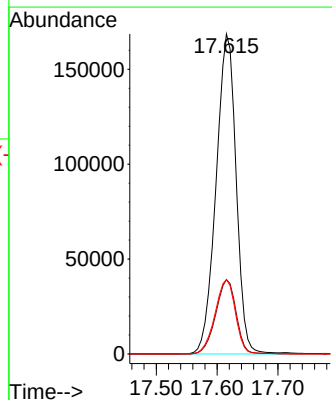
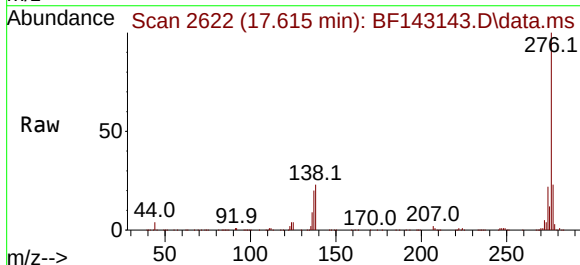
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 398949
Ion Ratio Lower Upper
278 100
139 18.2 14.1 21.1
279 23.4 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 20.534 ng
RT: 17.615 min Scan# 2622
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:276 Resp: 385915
Ion Ratio Lower Upper
276 100
277 23.3 19.1 28.7
138 23.3 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143144.D
 Acq On : 17 Jul 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jul 17 15:03:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	167098	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	641413	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	331881	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	542726	20.000	ng	0.00
76) Chrysene-d12	14.121	240	296414	20.000	ng	0.00
86) Perylene-d12	15.621	264	323574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	823062	77.946	ng	0.00
7) Phenol-d6	6.587	99	1038821	78.160	ng	0.00
23) Nitrobenzene-d5	7.522	82	1023138	79.512	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	279373	81.485	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1802398	74.274	ng	0.00
79) Terphenyl-d14	13.068	244	1554923	78.063	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	200396	40.108	ng	100
3) Pyridine	3.587	79	511417	39.435	ng	100
4) n-Nitrosodimethylamine	3.534	42	270676	40.426	ng	100
6) Aniline	6.622	93	736668	39.770	ng	100
8) 2-Chlorophenol	6.745	128	437914	39.565	ng	100
9) Benzaldehyde	6.516	77	482238	48.387	ng	100
10) Phenol	6.598	94	597136	41.241	ng	100
11) bis(2-Chloroethyl)ether	6.692	93	435450	39.279	ng	100
12) 1,3-Dichlorobenzene	6.904	146	468194	38.939	ng	100
13) 1,4-Dichlorobenzene	6.981	146	474015	39.147	ng	100
14) 1,2-Dichlorobenzene	7.134	146	448808	38.970	ng	100
15) Benzyl Alcohol	7.098	79	406107	40.017	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	808980	39.337	ng	100
17) 2-Methylphenol	7.204	107	366495	39.381	ng	100
18) Hexachloroethane	7.481	117	165263	39.425	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	329619	38.656	ng	100
20) 3+4-Methylphenols	7.357	107	448100	39.685	ng	100
22) Acetophenone	7.369	105	583796	38.444	ng	100
24) Nitrobenzene	7.545	77	481500	40.136	ng	100
25) Isophorone	7.781	82	888017	39.093	ng	100
26) 2-Nitrophenol	7.857	139	220354	42.323	ng	100
27) 2,4-Dimethylphenol	7.886	122	416128	39.210	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	529258	38.860	ng	100
29) 2,4-Dichlorophenol	8.098	162	353866	39.537	ng	100
30) 1,2,4-Trichlorobenzene	8.186	180	376590	38.947	ng	100
31) Naphthalene	8.269	128	1224033	38.749	ng	100
32) Benzoic acid	7.992	122	221775	38.306	ng	100
33) 4-Chloroaniline	8.310	127	500402	38.796	ng	100
34) Hexachlorobutadiene	8.386	225	231609	39.211	ng	100
35) Caprolactam	8.681	113	111733	41.312	ng	100
36) 4-Chloro-3-methylphenol	8.781	107	385507	39.628	ng	100
37) 2-Methylnaphthalene	8.957	142	744295	38.720	ng	100
38) 1-Methylnaphthalene	9.057	142	768508	38.825	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	365234	38.118	ng	100
41) Hexachlorocyclopentadiene	9.116	237	247480	39.695	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	255115	38.471	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143144.D
 Acq On : 17 Jul 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

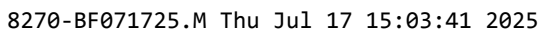
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 ClientSampleId :
 SSTDICCC040

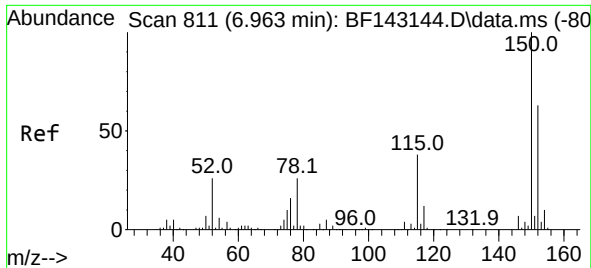
Quant Time: Jul 17 15:03:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	268615	40.494	ng	100
46) 1,1'-Biphenyl	9.422	154	988537	38.177	ng	100
47) 2-Chloronaphthalene	9.445	162	731879	38.200	ng	100
48) 2-Nitroaniline	9.533	65	249908	41.594	ng	100
49) Acenaphthylene	9.863	152	1234789	38.458	ng	100
50) Dimethylphthalate	9.716	163	848828	39.238	ng	100
51) 2,6-Dinitrotoluene	9.775	165	184242	41.866	ng	100
52) Acenaphthene	10.033	154	727386	38.330	ng	100
53) 3-Nitroaniline	9.945	138	210179	40.832	ng	100
54) 2,4-Dinitrophenol	10.045	184	69157	38.449	ng	100
55) Dibenzofuran	10.204	168	1083678	38.462	ng	100
56) 4-Nitrophenol	10.086	139	163009	42.408	ng	100
57) 2,4-Dinitrotoluene	10.175	165	235101	42.581	ng	100
58) Fluorene	10.551	166	804336	38.037	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	220872	40.196	ng	100
60) Diethylphthalate	10.416	149	842184	39.387	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	406477	38.604	ng	100
62) 4-Nitroaniline	10.557	138	185530	42.055	ng	100
63) Azobenzene	10.698	77	876387	39.326	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	105533	38.322	ng	100
66) n-Nitrosodiphenylamine	10.657	169	731532	38.278	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	247764	38.307	ng	100
68) Hexachlorobenzene	11.098	284	259758	38.424	ng	100
69) Atrazine	11.174	200	212970	40.421	ng	100
70) Pentachlorophenol	11.286	266	161013	40.500	ng	100
71) Phenanthrene	11.510	178	1107412	38.429	ng	100
72) Anthracene	11.563	178	1126710	38.336	ng	100
73) Carbazole	11.710	167	1008669	39.304	ng	100
74) Di-n-butylphthalate	12.039	149	1165443	40.135	ng	100
75) Fluoranthene	12.698	202	1034509	39.111	ng	100
77) Benzidine	12.810	184	564732	49.451	ng	100
78) Pyrene	12.927	202	1016822	40.195	ng	100
80) Butylbenzylphthalate	13.539	149	322273	41.603	ng	100
81) Benzo(a)anthracene	14.110	228	759726	38.283	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	254099	38.418	ng	100
83) Chrysene	14.151	228	715222	40.085	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	467892	39.906	ng	100
85) Di-n-octyl phthalate	14.715	149	820264	38.595	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	914626	40.086	ng	100
88) Benzo(b)fluoranthene	15.180	252	742346	37.554	ng	100
89) Benzo(k)fluoranthene	15.210	252	733635	41.591	ng	100
90) Benzo(a)pyrene	15.562	252	725344	39.826	ng	100
91) Dibenzo(a,h)anthracene	17.180	278	742180	39.964	ng	100
92) Benzo(g,h,i)perylene	17.627	276	717648	39.949	ng	100

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

Quant Time: Jul 17 15:03:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

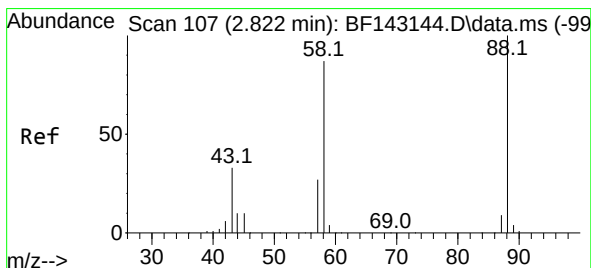
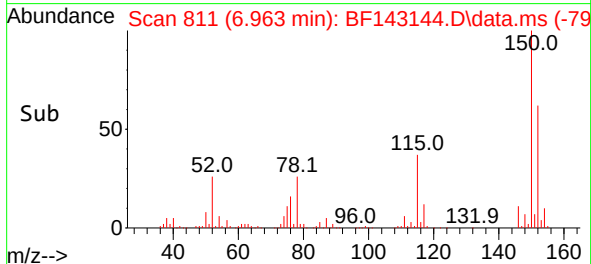
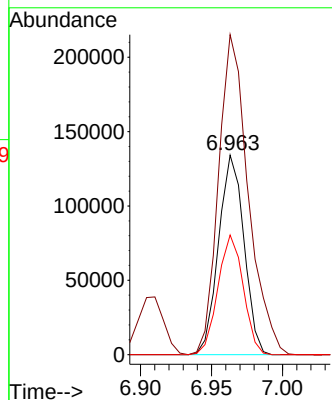
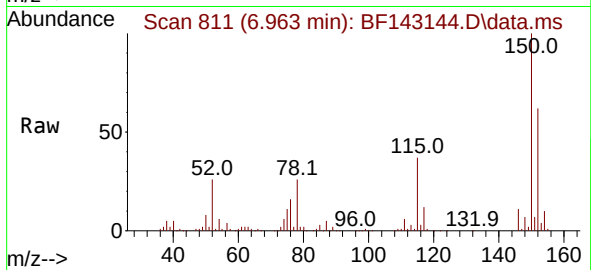




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 811
 Delta R.T. 0.000 min
 Lab File: BF143144.D
 Acq: 17 Jul 2025 13:03

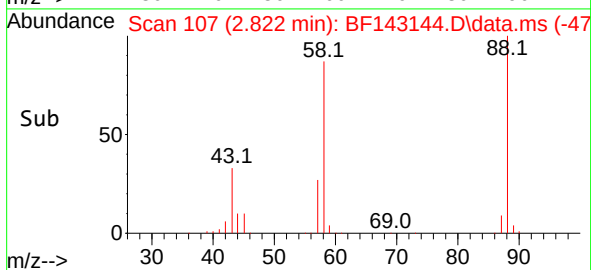
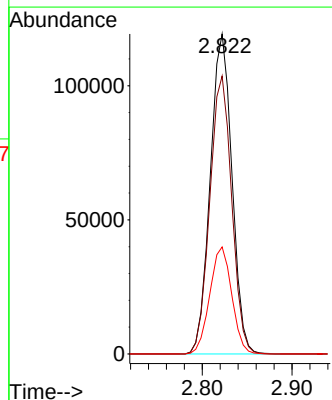
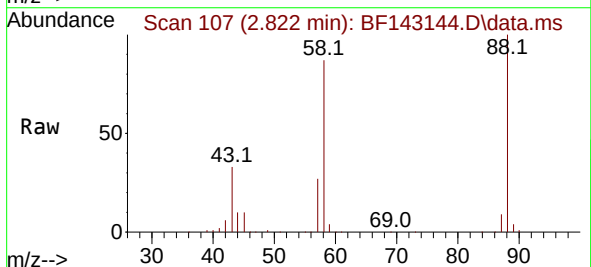
Instrument :
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 ClientSampleId :
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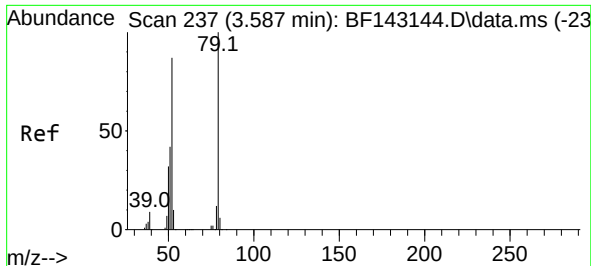
Tgt Ion:152 Resp: 167098
 Ion Ratio Lower Upper
 152 100
 150 160.3 128.2 192.4
 115 59.9 47.9 71.9



#2
 1,4-Dioxane
 Concen: 40.108 ng
 RT: 2.822 min Scan# 107
 Delta R.T. 0.000 min
 Lab File: BF143144.D
 Acq: 17 Jul 2025 13:03

Tgt Ion: 88 Resp: 200396
 Ion Ratio Lower Upper
 88 100
 58 87.7 70.2 105.2
 43 33.9 27.1 40.7





#3

Pyridine

Concen: 39.435 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

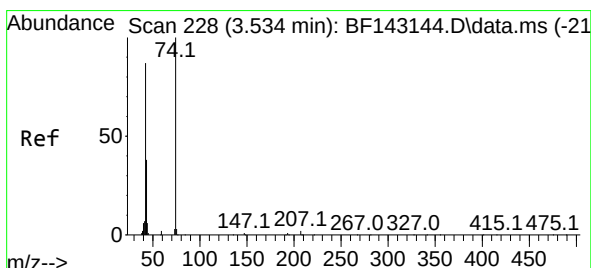
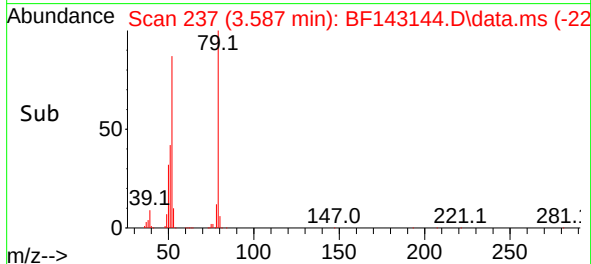
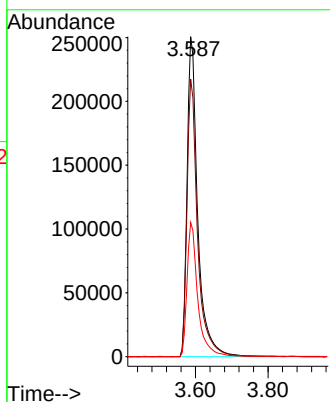
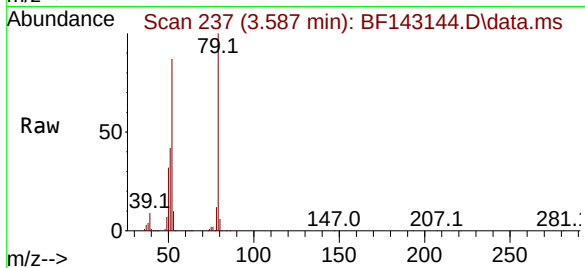
Tgt Ion: 79 Resp: 511417

Ion Ratio Lower Upper

79 100

52 86.8 69.4 104.2

51 41.9 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 40.426 ng

RT: 3.534 min Scan# 228

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

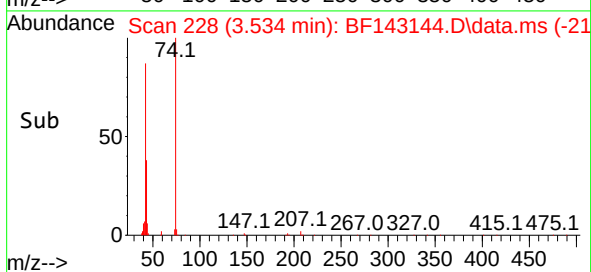
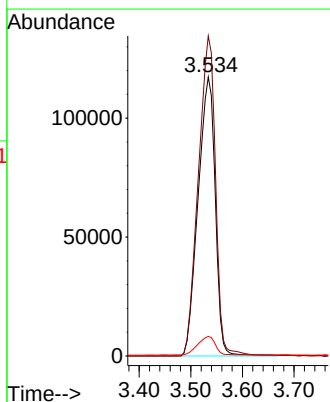
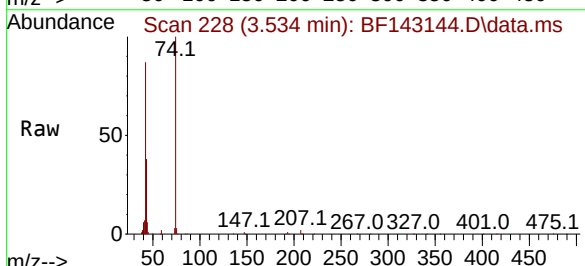
Tgt Ion: 42 Resp: 270676

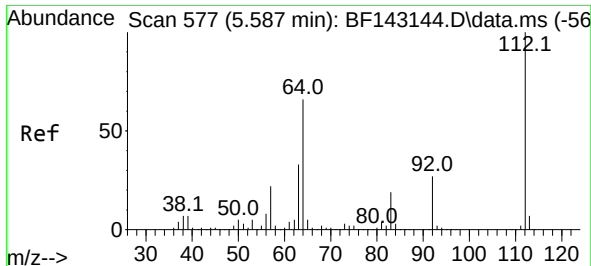
Ion Ratio Lower Upper

42 100

74 114.6 91.7 137.5

44 7.0 5.6 8.4

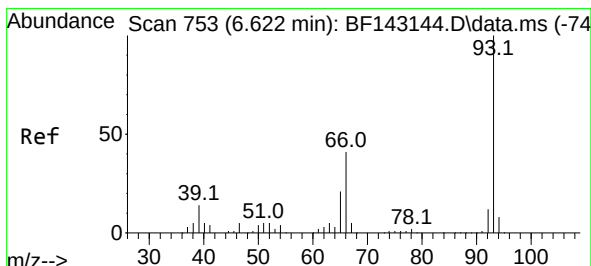
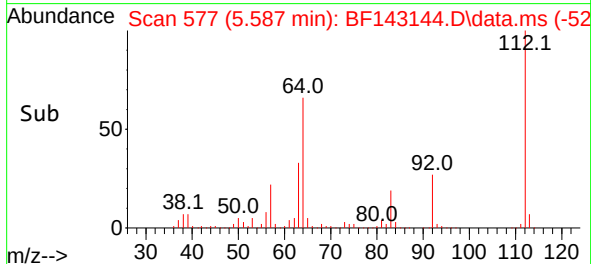
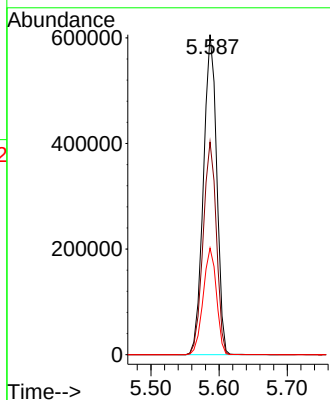
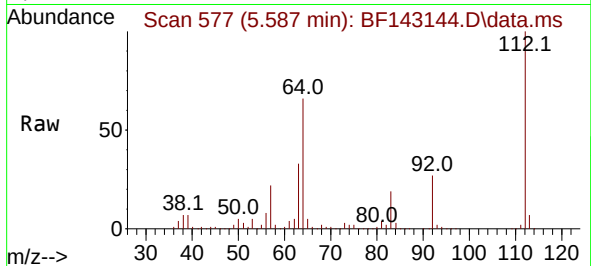




#5
2-Fluorophenol
Concen: 77.946 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

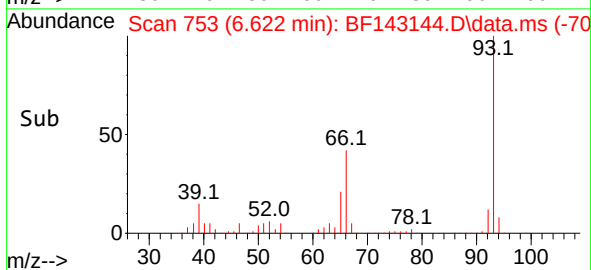
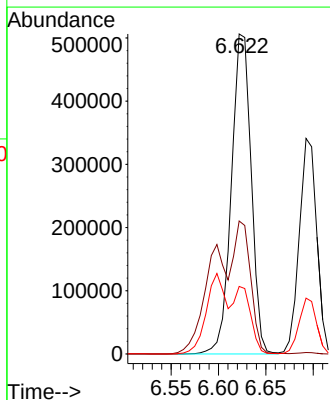
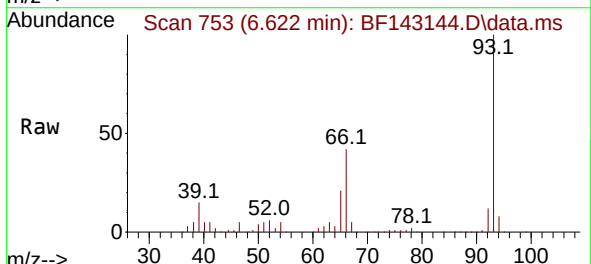
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

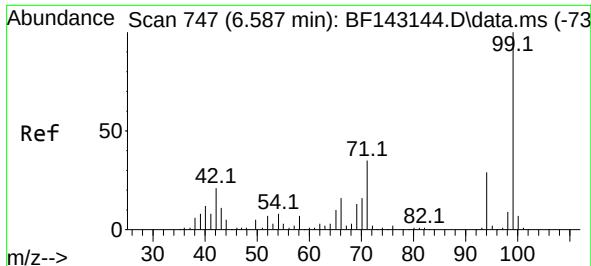
Tgt Ion:112 Resp: 823062
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.3 26.6 40.0



#6
Aniline
Concen: 39.770 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 93 Resp: 736668
Ion Ratio Lower Upper
93 100
66 41.5 33.2 49.8
65 21.1 16.9 25.3





#7

Phenol-d6

Concen: 78.160 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

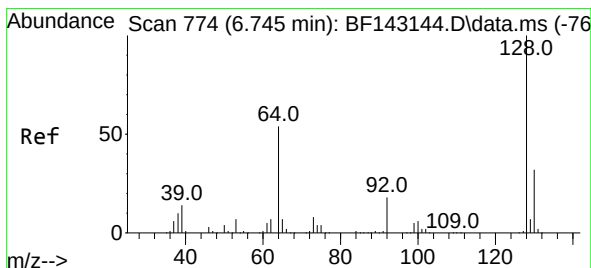
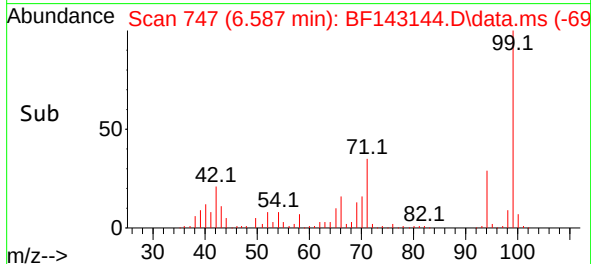
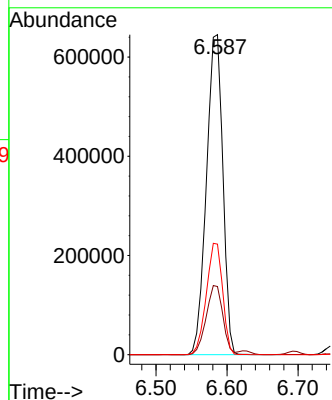
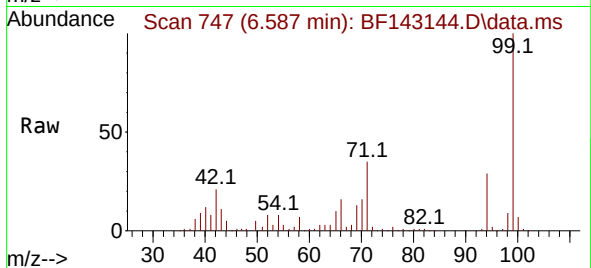
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 1038821

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	34.6	27.7	41.5



#8

2-Chlorophenol

Concen: 39.565 ng

RT: 6.745 min Scan# 774

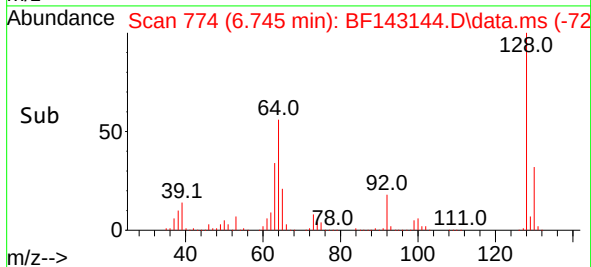
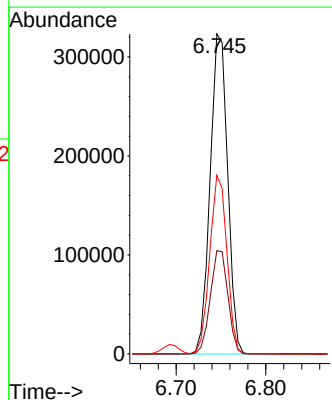
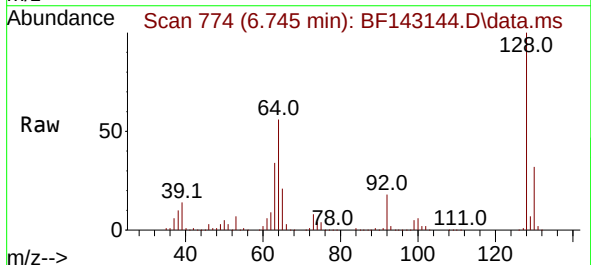
Delta R.T. 0.000 min

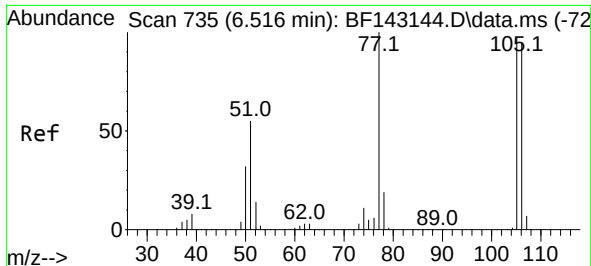
Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Tgt Ion:128 Resp: 437914

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	55.9	35.9	75.9

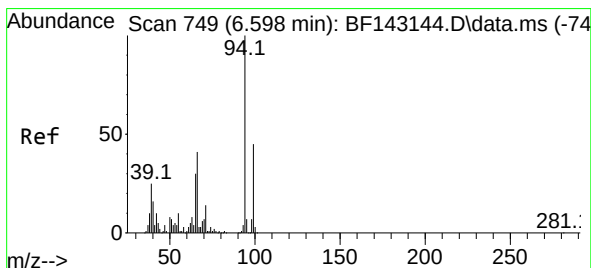
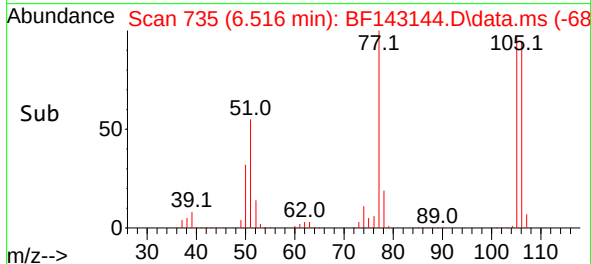
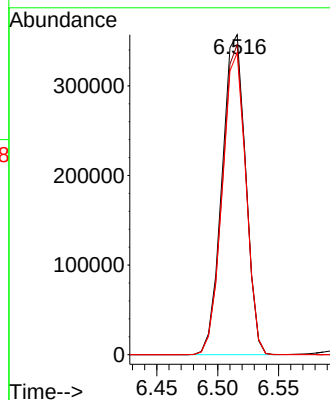
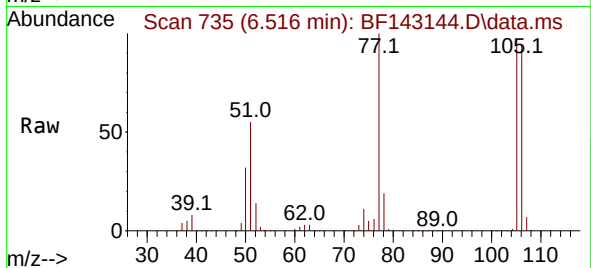




#9
Benzaldehyde
Concen: 48.387 ng
RT: 6.516 min Scan# 735
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

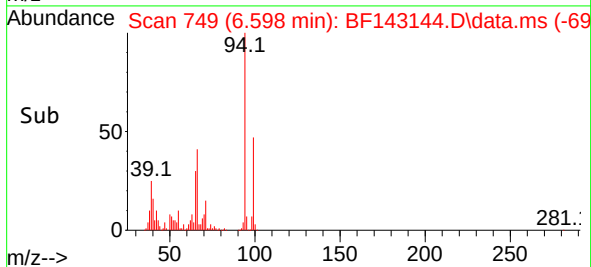
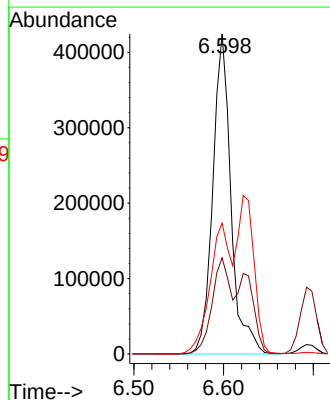
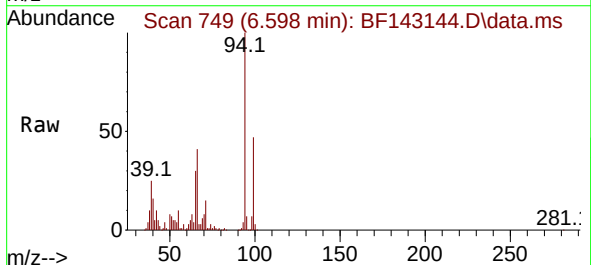
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

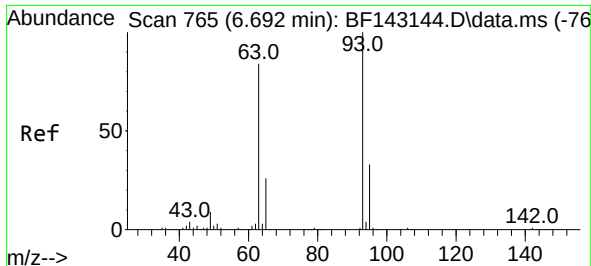
Tgt Ion: 77 Resp: 482238
Ion Ratio Lower Upper
77 100
105 96.8 76.8 116.8
106 94.4 74.4 114.4



#10
Phenol
Concen: 41.241 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 94 Resp: 597136
Ion Ratio Lower Upper
94 100
65 30.0 10.0 50.0
66 40.8 20.8 60.8

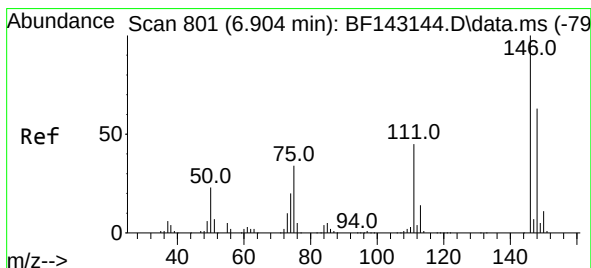
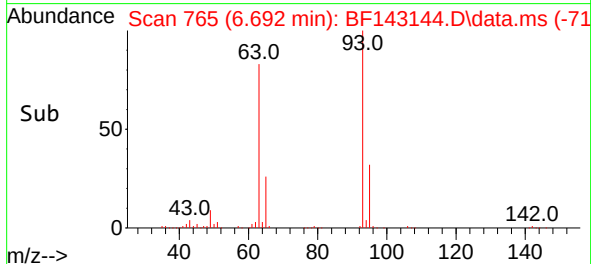
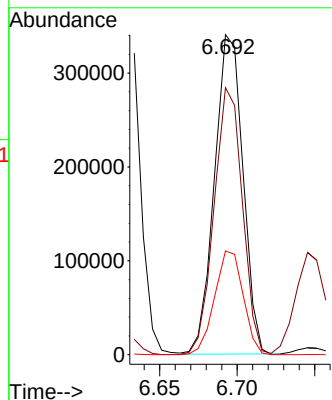
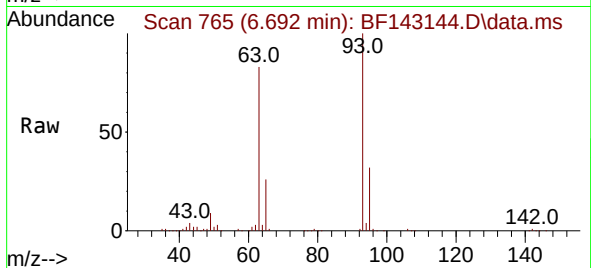




#11
bis(2-Chloroethyl)ether
Concen: 39.279 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

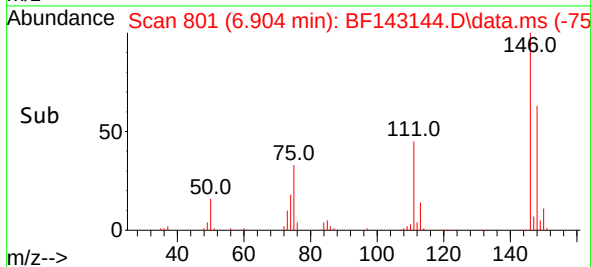
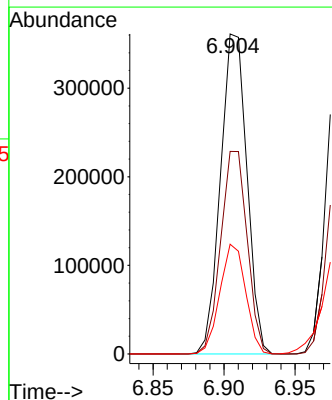
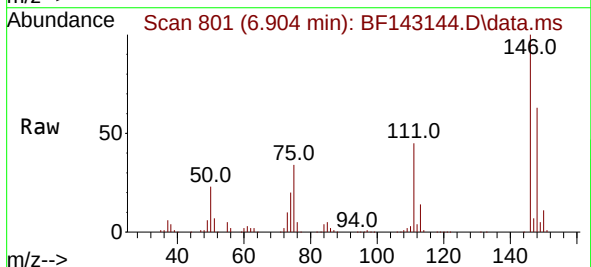
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

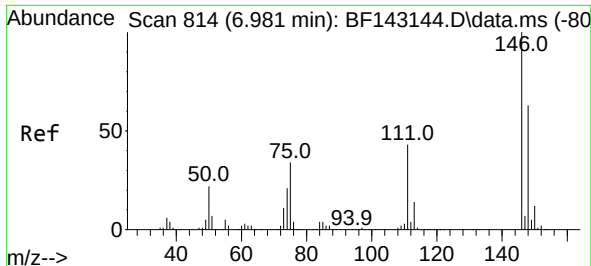
Tgt Ion:	93	Resp:	435450
Ion	Ratio	Lower	Upper
93	100		
63	83.4	63.4	103.4
95	32.4	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 38.939 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:	146	Resp:	468194
Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
75	34.3	27.4	41.2

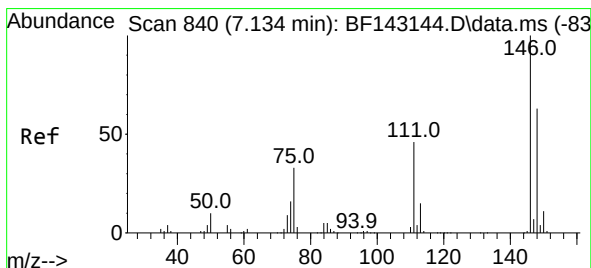
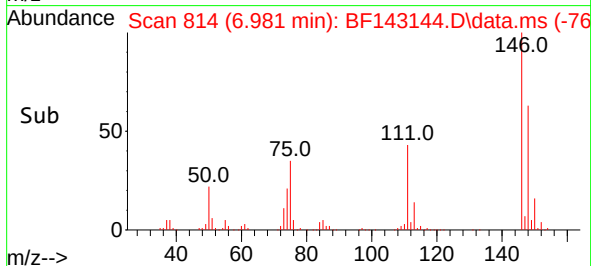
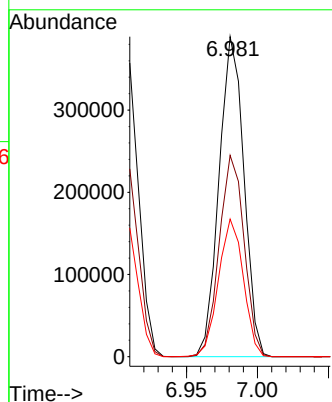
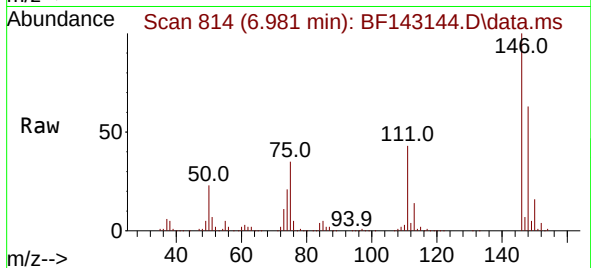




#13
1,4-Dichlorobenzene
Concen: 39.147 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

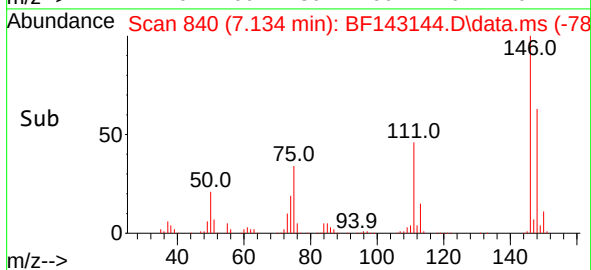
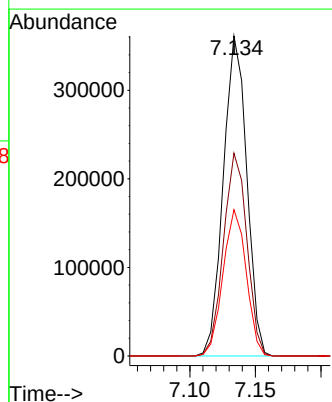
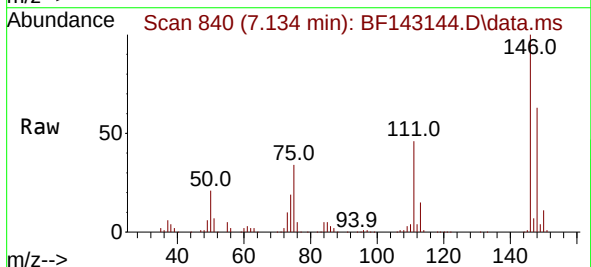
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

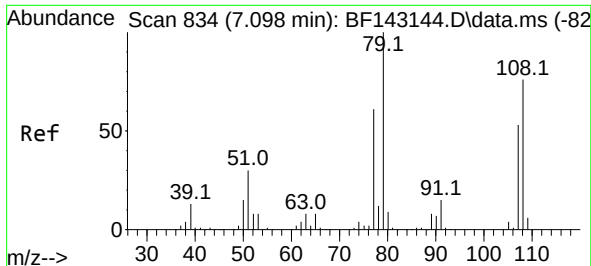
Tgt Ion:146 Resp: 474015
Ion Ratio Lower Upper
146 100
148 62.9 50.3 75.5
111 43.0 34.4 51.6



#14
1,2-Dichlorobenzene
Concen: 38.970 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:146 Resp: 448808
Ion Ratio Lower Upper
146 100
148 63.4 50.7 76.1
111 45.7 36.6 54.8



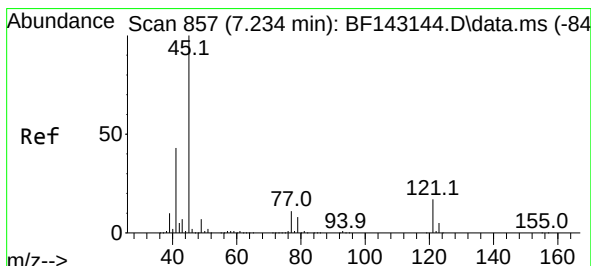
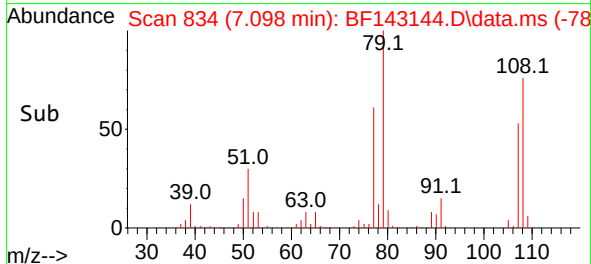
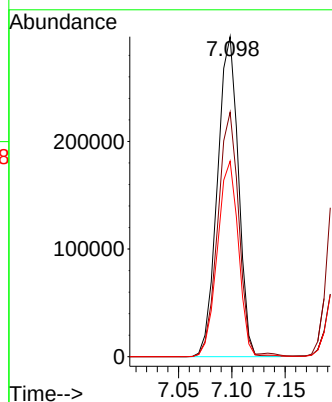
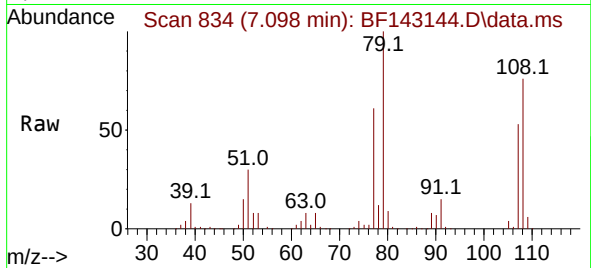


#15
Benzyl Alcohol
Concen: 40.017 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 406107

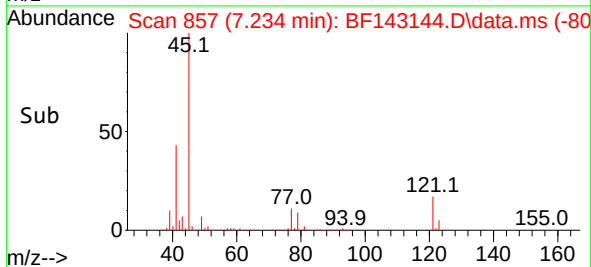
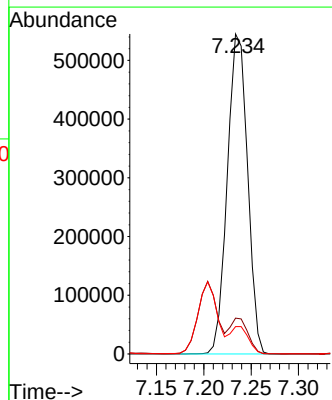
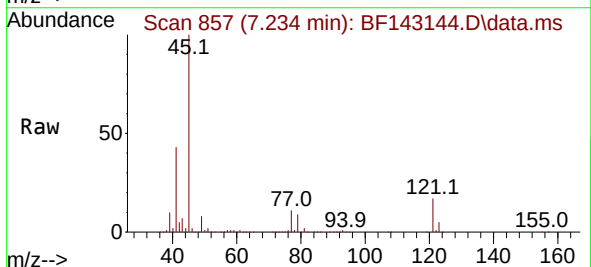
Ion	Ratio	Lower	Upper
79	100		
108	76.4	61.1	91.7
77	61.1	48.9	73.3

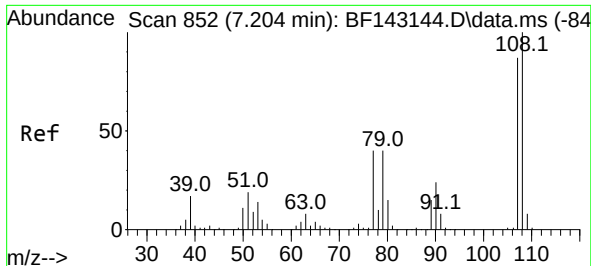


#16
2,2'-oxybis(1-chloropropane)
Concen: 39.337 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 45 Resp: 808980

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.2
79	8.5	0.0	28.5

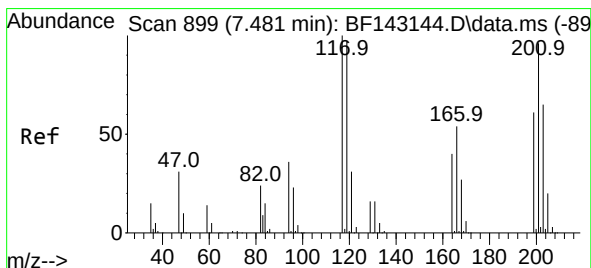
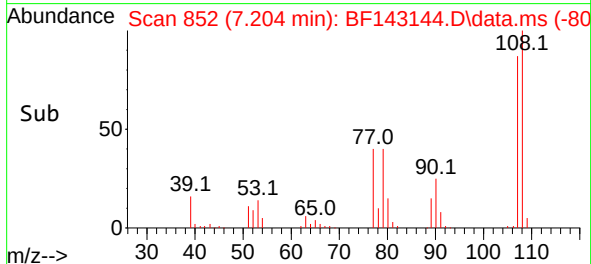
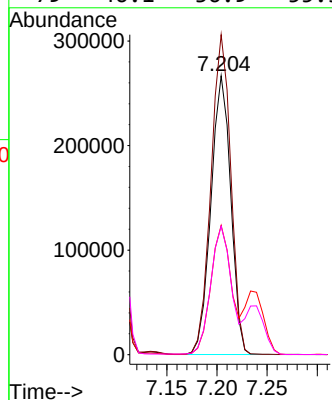
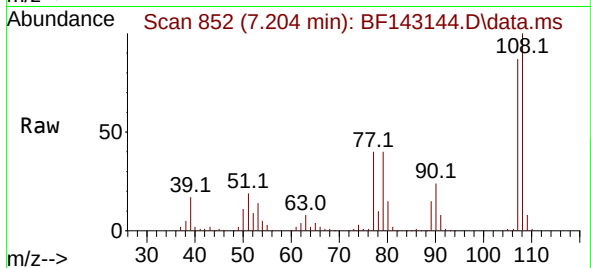




#17
2-Methylphenol
Concen: 39.381 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

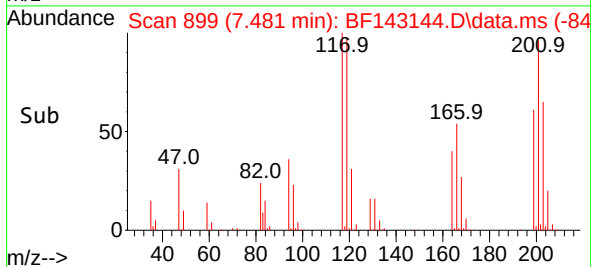
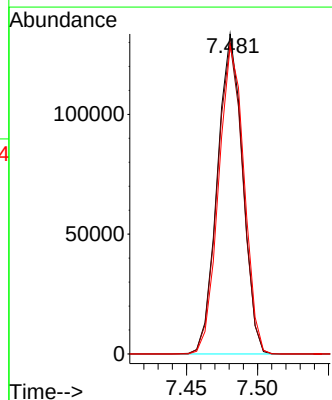
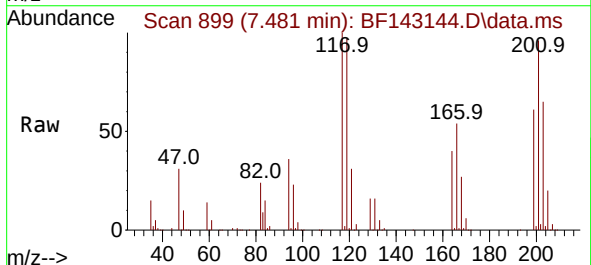
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

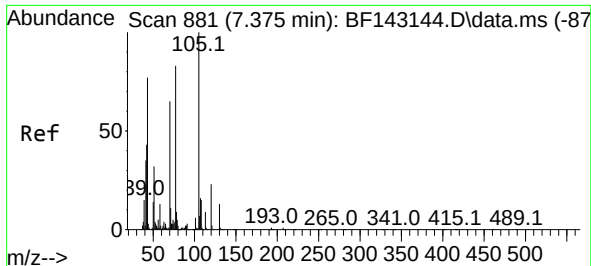
Tgt Ion:	107	Resp:	366495
Ion	Ratio	Lower	Upper
107	100		
108	114.7	91.8	137.6
77	46.3	37.0	55.6
79	46.1	36.9	55.3



#18
Hexachloroethane
Concen: 39.425 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:	117	Resp:	165263
Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.8
201	96.2	77.0	115.4



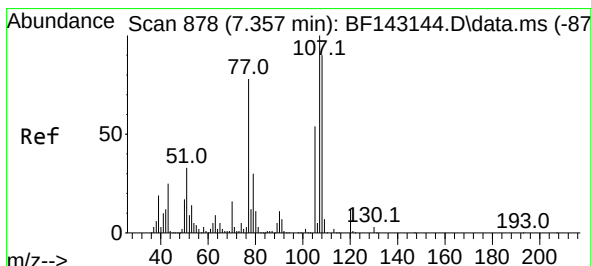
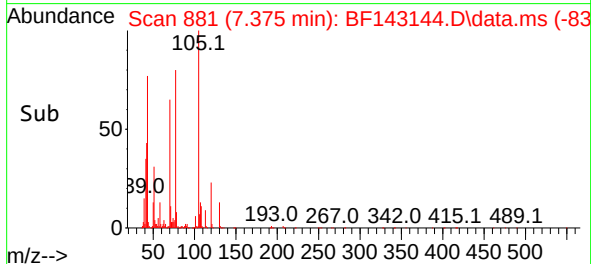
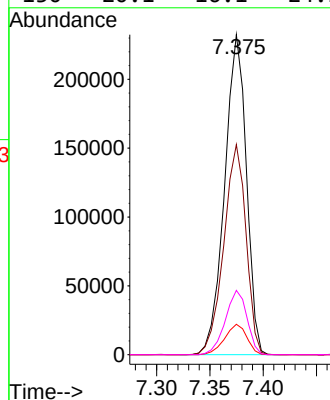
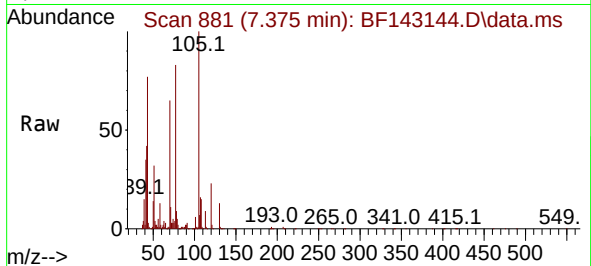


#19
n-Nitroso-di-n-propylamine
Concen: 38.656 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 329619

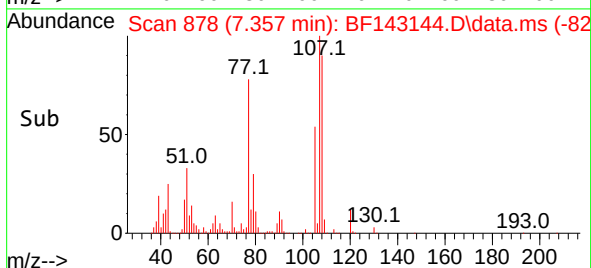
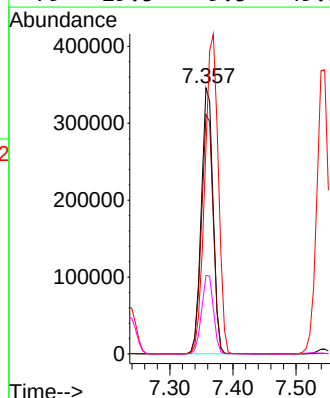
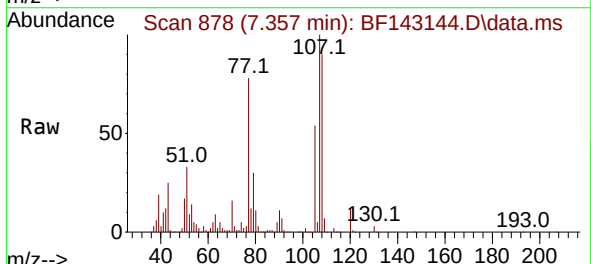
Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.5	7.6	11.4
130	20.1	16.1	24.1

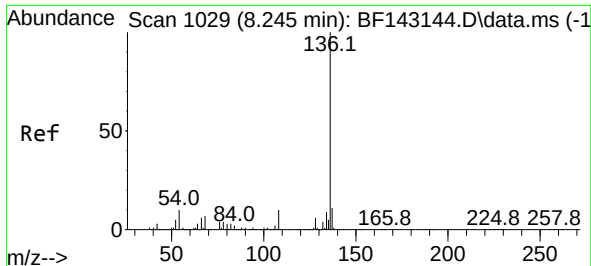


#20
3+4-Methylphenols
Concen: 39.685 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 107 Resp: 448100

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.0	110.0
77	77.8	57.8	97.8
79	29.5	9.5	49.5

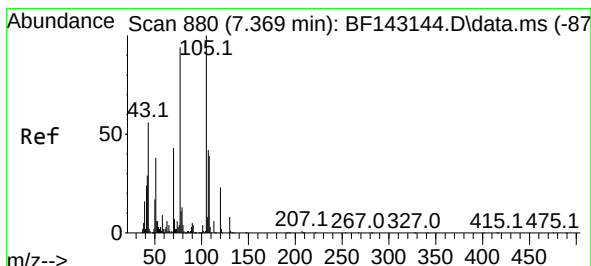
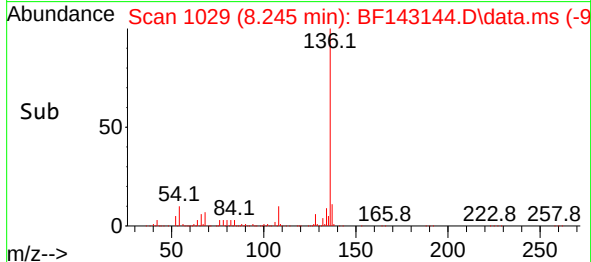
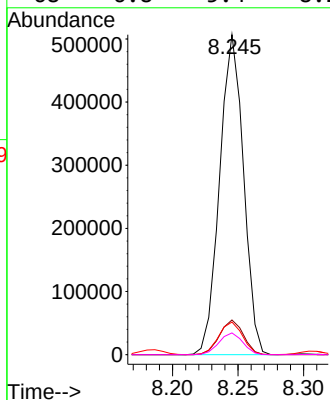
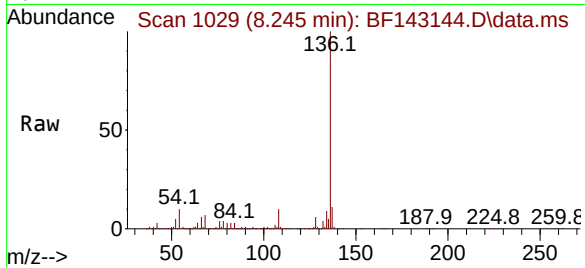




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

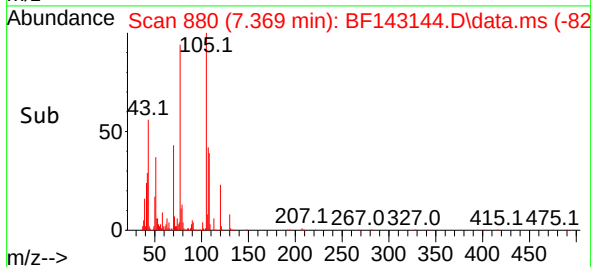
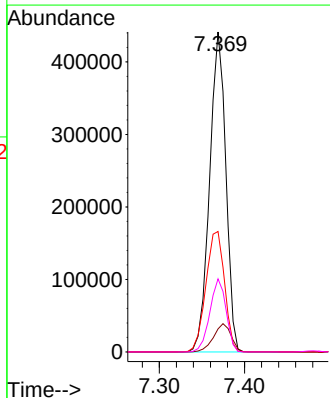
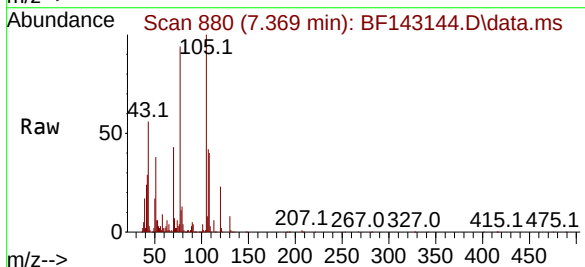
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

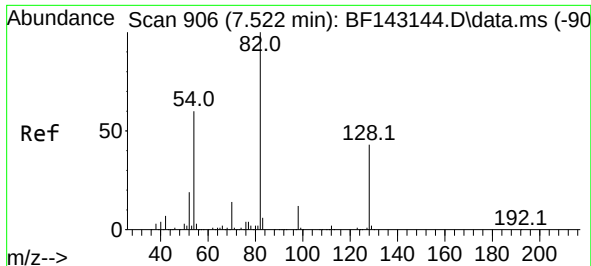
Tgt Ion:	136	Resp:	641413
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	10.2	8.2	12.2
68	6.8	5.4	8.2



#22
Acetophenone
Concen: 38.444 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:	105	Resp:	583796
Ion Ratio	Lower	Upper	
105	100		
71	7.2	5.8	8.6
51	37.7	30.2	45.2
120	22.8	18.2	27.4





#23

Nitrobenzene-d5

Concen: 79.512 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

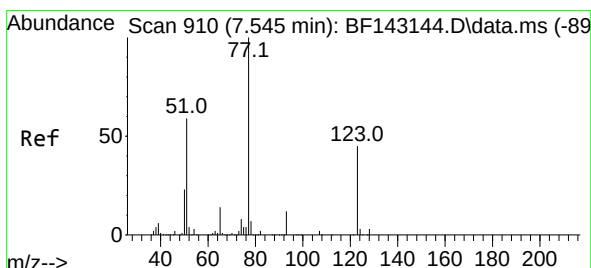
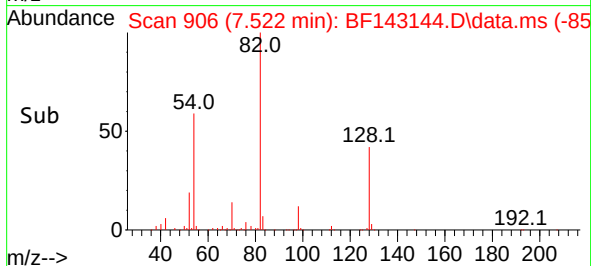
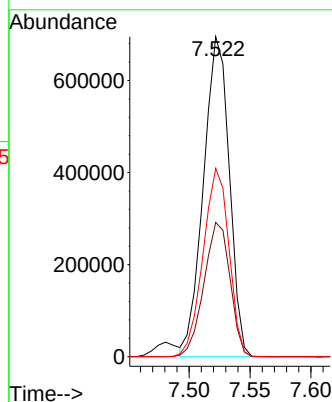
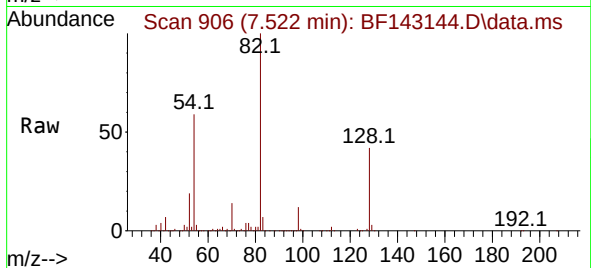
Tgt Ion: 82 Resp: 1023138

Ion Ratio Lower Upper

82 100

128 42.0 33.6 50.4

54 58.9 47.1 70.7



#24

Nitrobenzene

Concen: 40.136 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

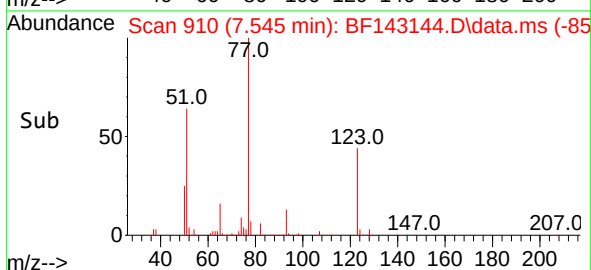
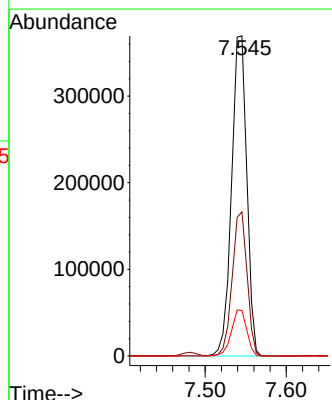
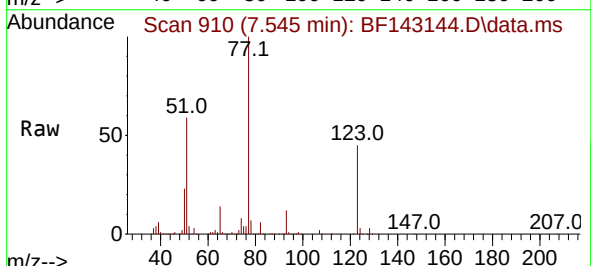
Tgt Ion: 77 Resp: 481500

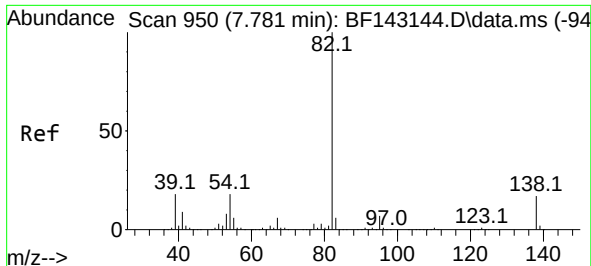
Ion Ratio Lower Upper

77 100

123 45.1 36.1 54.1

65 14.3 11.4 17.2

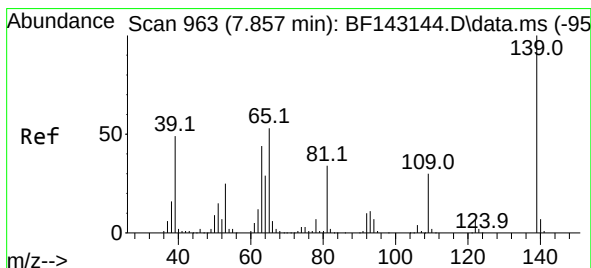
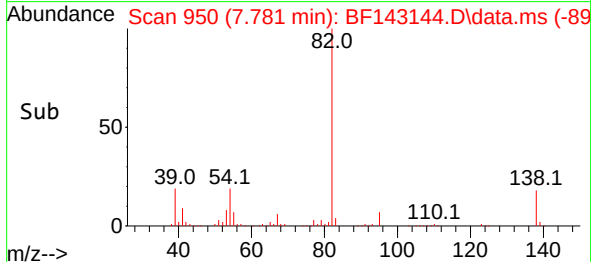
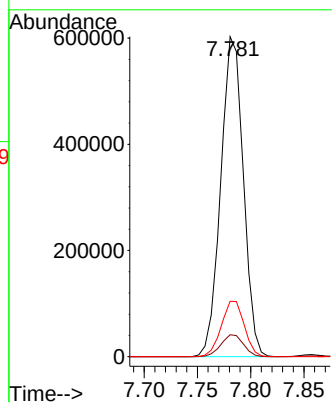
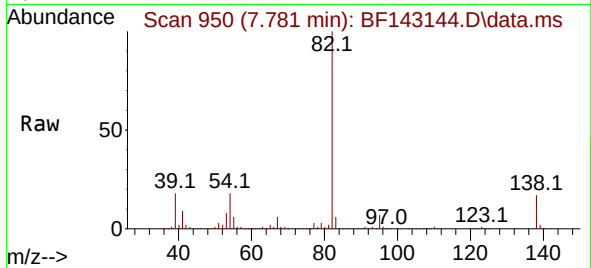




#25
Isophorone
Concen: 39.093 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

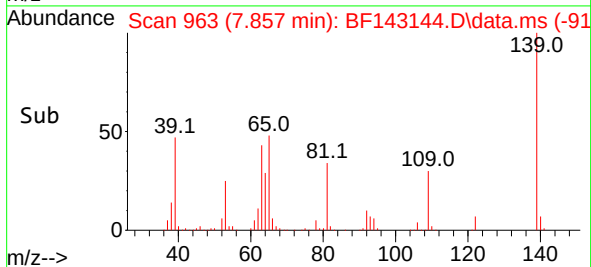
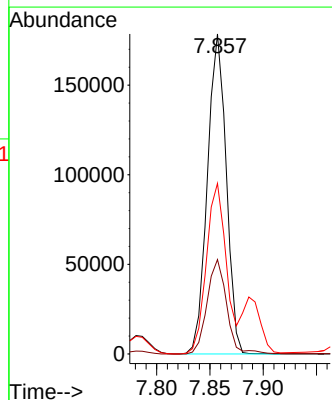
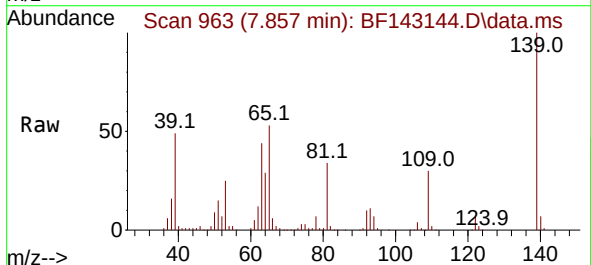
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

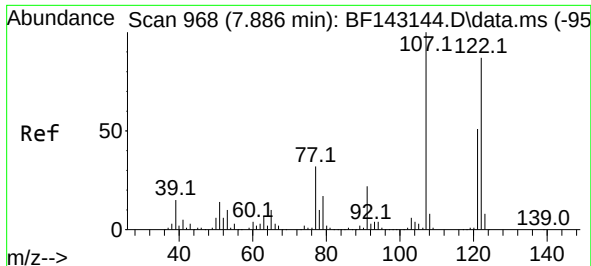
Tgt Ion: 82 Resp: 888017
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.3 13.8 20.8



#26
2-Nitrophenol
Concen: 42.323 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:139 Resp: 220354
Ion Ratio Lower Upper
139 100
109 29.5 23.6 35.4
65 53.3 42.6 64.0

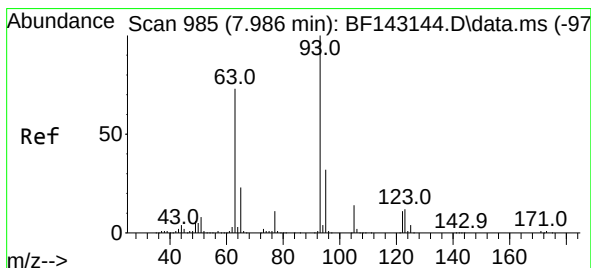
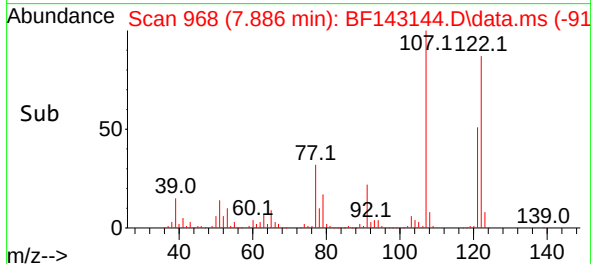
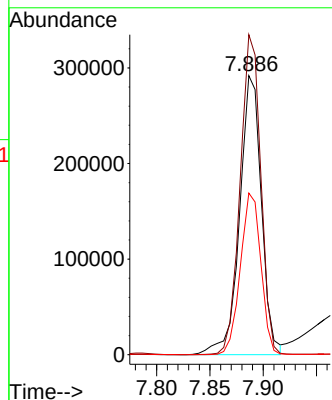
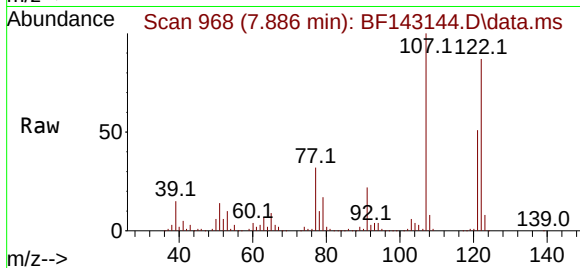




#27
2,4-Dimethylphenol
Concen: 39.210 ng
RT: 7.886 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

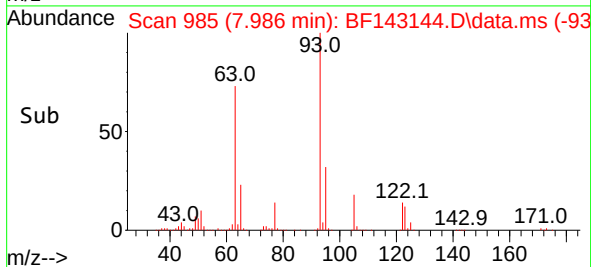
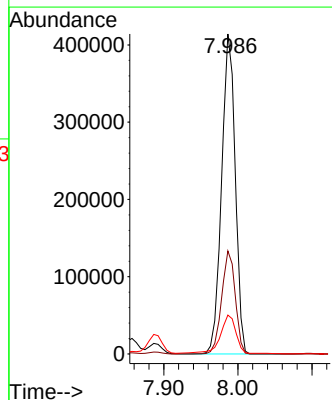
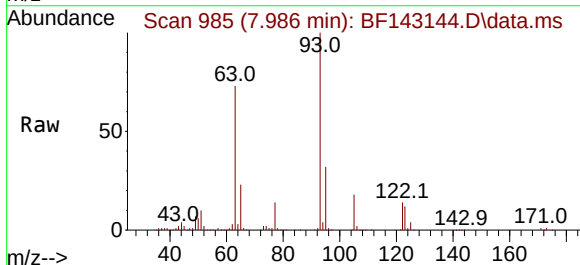
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

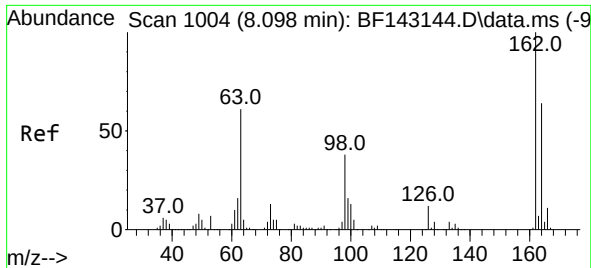
Tgt Ion:122 Resp: 416128
Ion Ratio Lower Upper
122 100
107 114.7 91.8 137.6
121 57.9 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 38.860 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 93 Resp: 529258
Ion Ratio Lower Upper
93 100
95 32.2 25.8 38.6
123 12.1 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 39.537 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

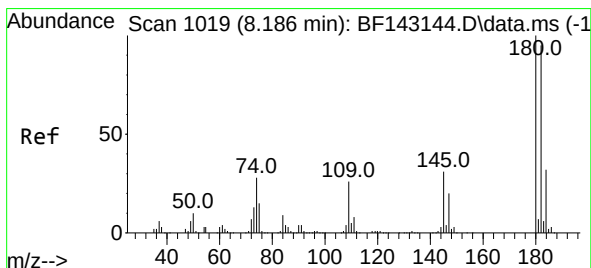
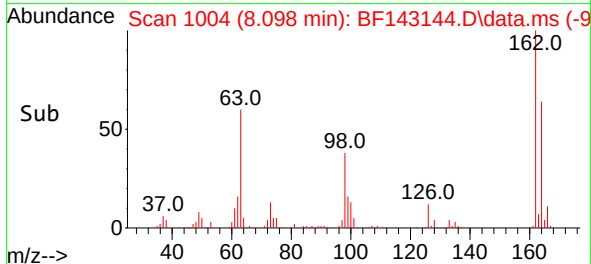
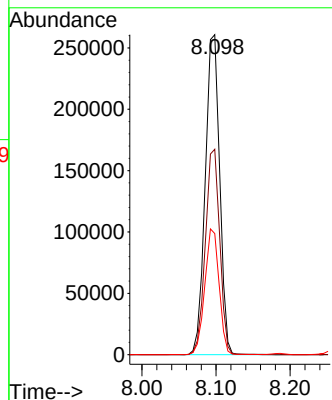
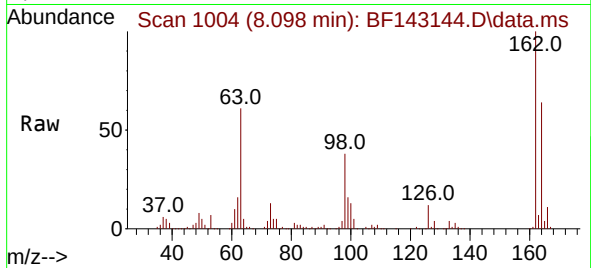
Tgt Ion:162 Resp: 353866

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

98 37.9 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 38.947 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

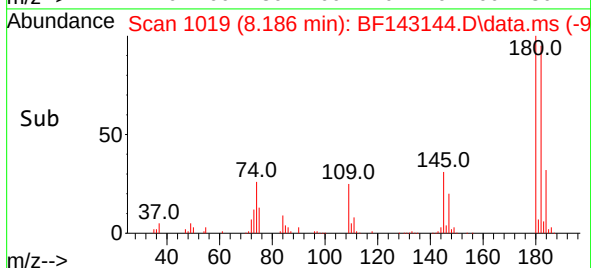
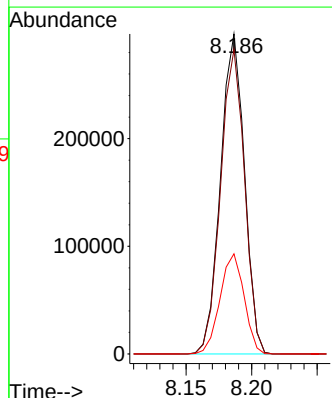
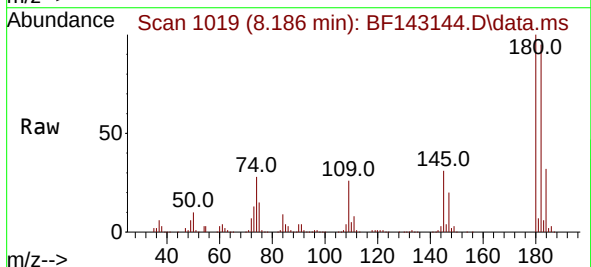
Tgt Ion:180 Resp: 376590

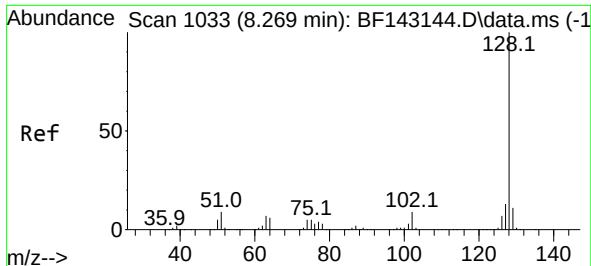
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 31.3 25.0 37.6

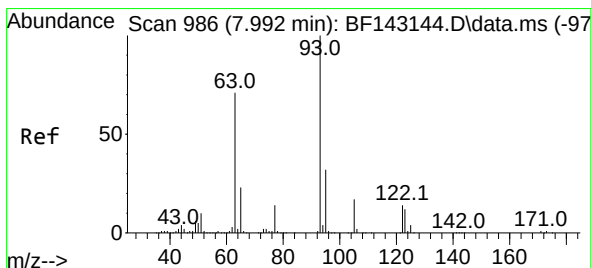
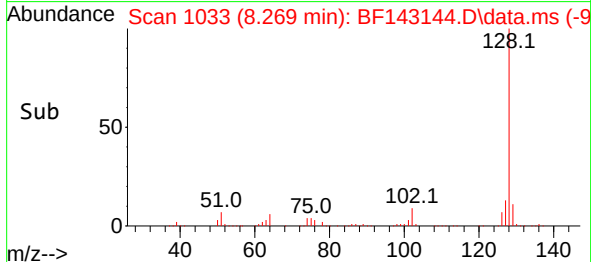
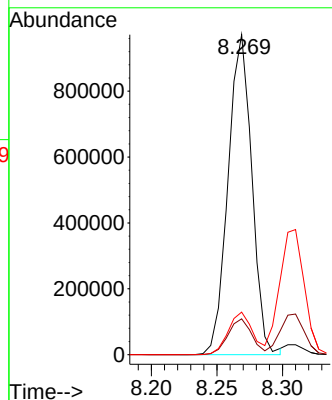
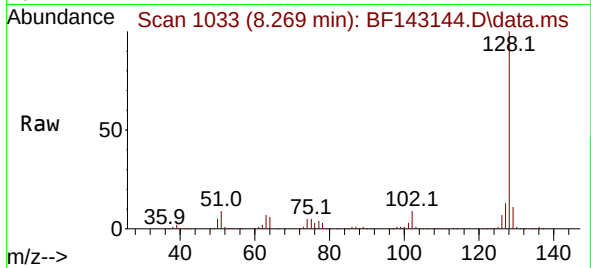




#31
Naphthalene
Concen: 38.749 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

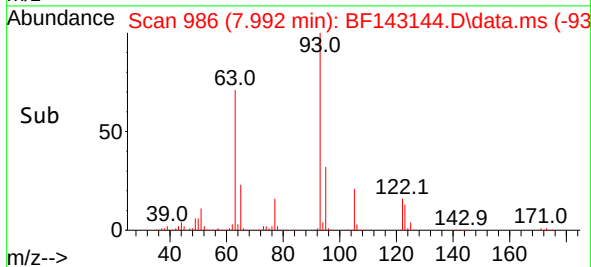
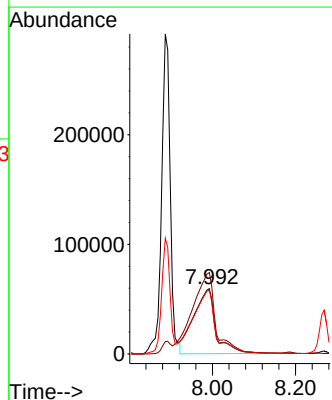
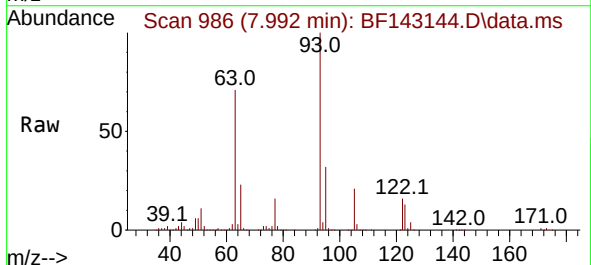
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

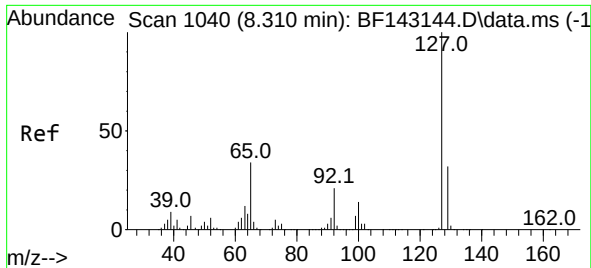
Tgt Ion:128 Resp: 1224033
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 38.306 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:122 Resp: 221775
Ion Ratio Lower Upper
122 100
105 124.8 104.8 144.8
77 97.6 77.6 117.6

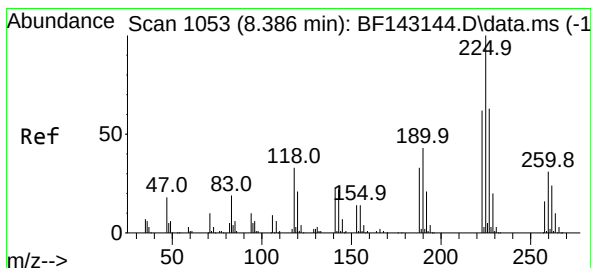
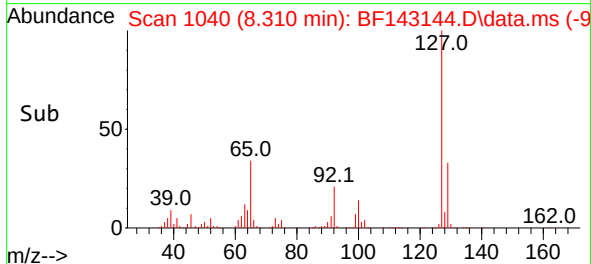
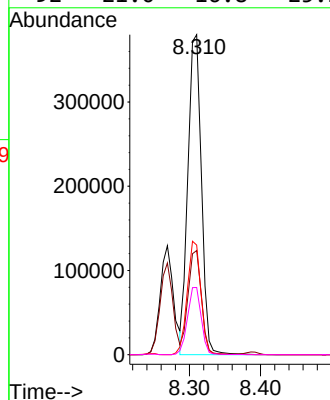
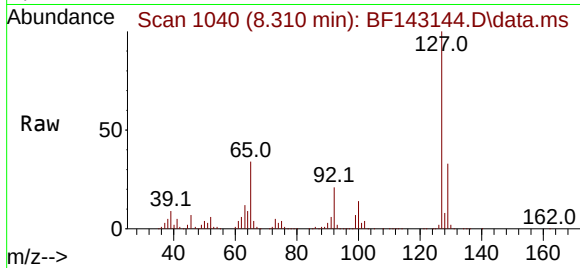




#33
4-Chloroaniline
Concen: 38.796 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

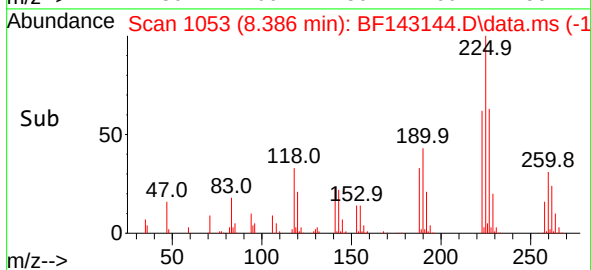
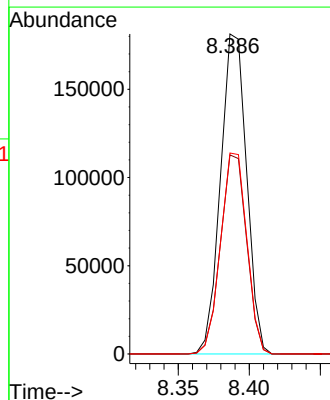
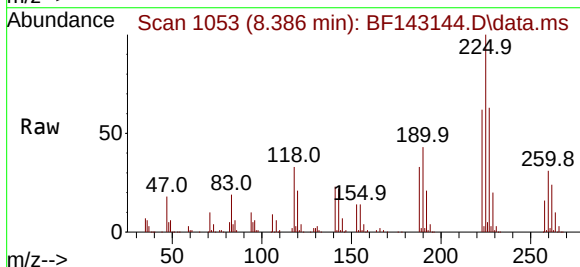
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

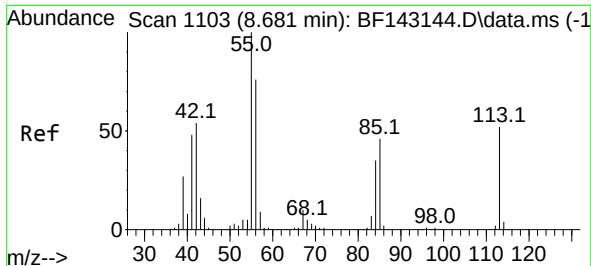
Tgt Ion:	127	Resp:	500402
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	34.3	27.4	41.2
92	21.0	16.8	25.2



#34
Hexachlorobutadiene
Concen: 39.211 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:	225	Resp:	231609
Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.8	74.6
227	62.8	50.2	75.4

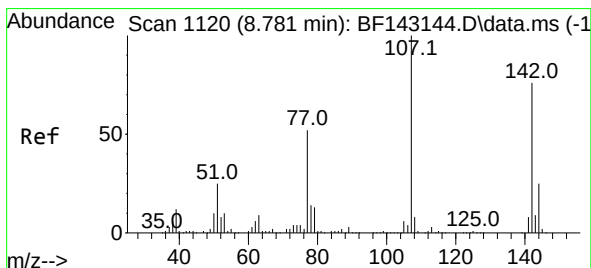
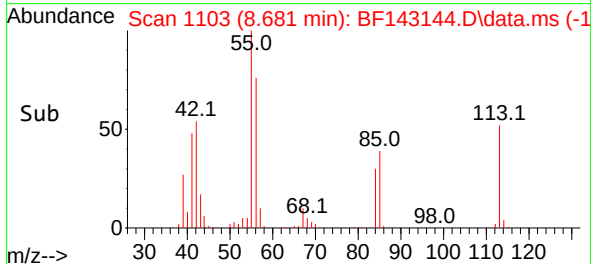
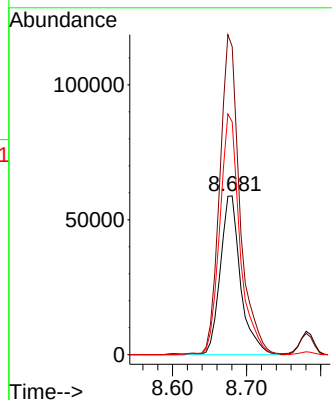
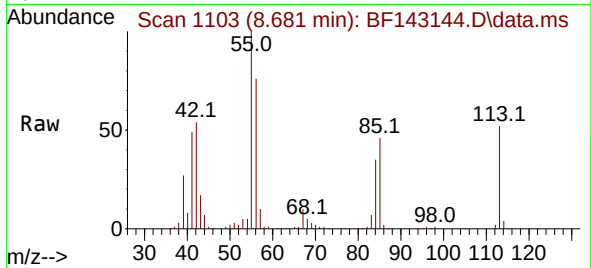




#35
 Caprolactam
 Concen: 41.312 ng
 RT: 8.681 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: BF143144.D
 Acq: 17 Jul 2025 13:03

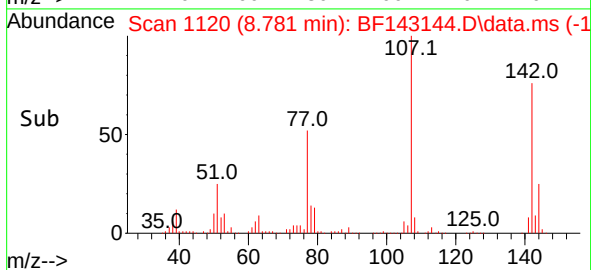
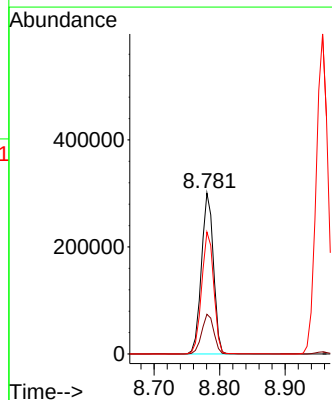
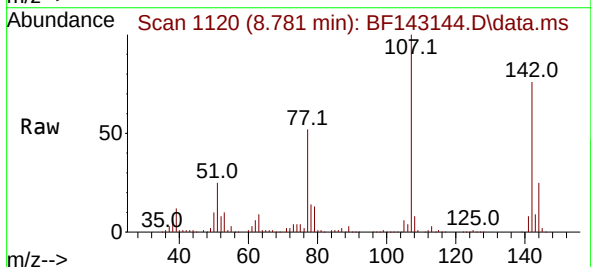
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

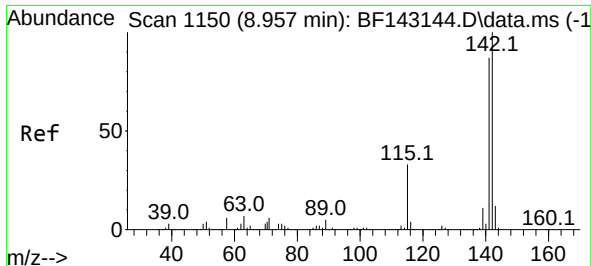
Tgt Ion:113 Resp: 111733
 Ion Ratio Lower Upper
 113 100
 55 194.0 174.0 214.0
 56 146.6 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 39.628 ng
 RT: 8.781 min Scan# 1120
 Delta R.T. 0.000 min
 Lab File: BF143144.D
 Acq: 17 Jul 2025 13:03

Tgt Ion:107 Resp: 385507
 Ion Ratio Lower Upper
 107 100
 144 24.7 19.8 29.6
 142 75.7 60.6 90.8





#37

2-Methylnaphthalene

Concen: 38.720 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

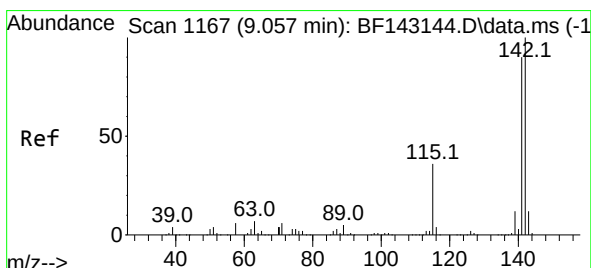
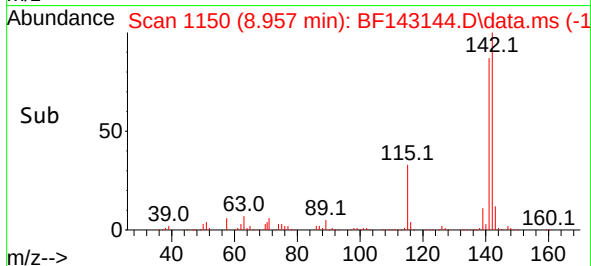
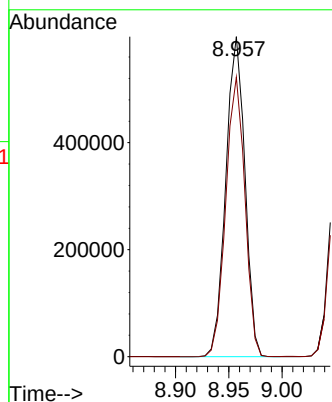
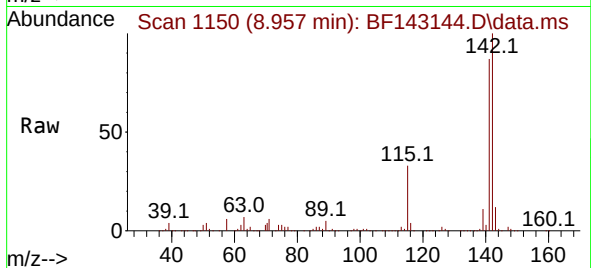
SSTDICCC040

Tgt Ion:142 Resp: 744295

Ion Ratio Lower Upper

142 100

141 87.4 69.9 104.9



#38

1-Methylnaphthalene

Concen: 38.825 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143144.D

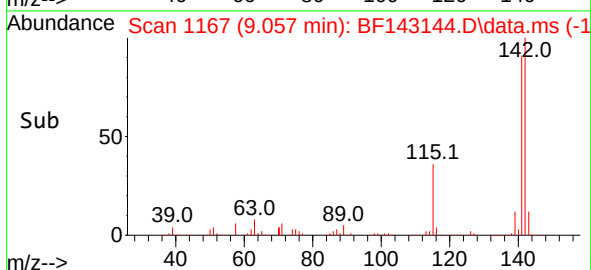
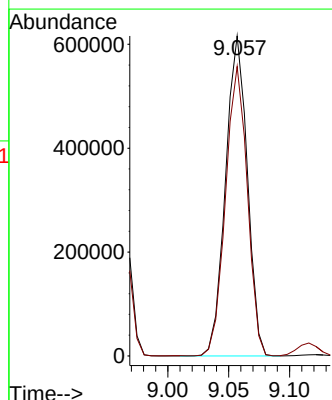
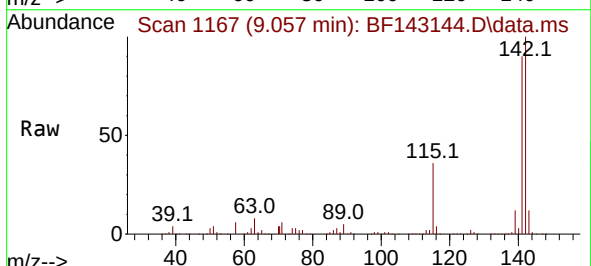
Acq: 17 Jul 2025 13:03

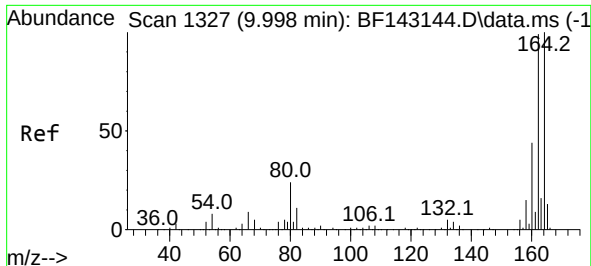
Tgt Ion:142 Resp: 768508

Ion Ratio Lower Upper

142 100

141 90.4 72.3 108.5

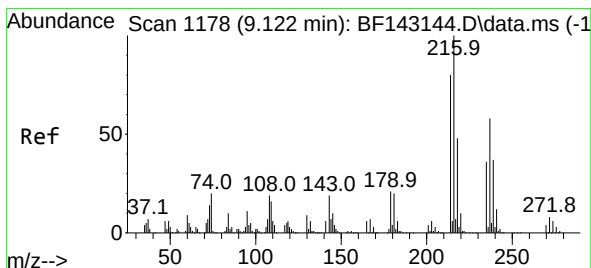
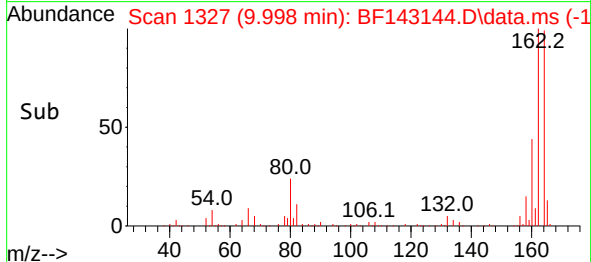
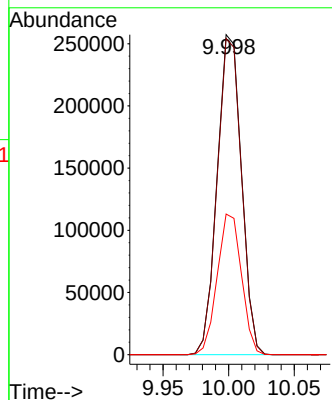
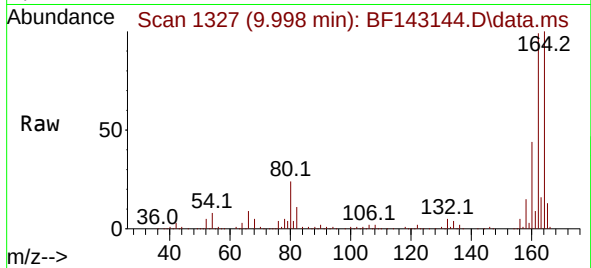




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

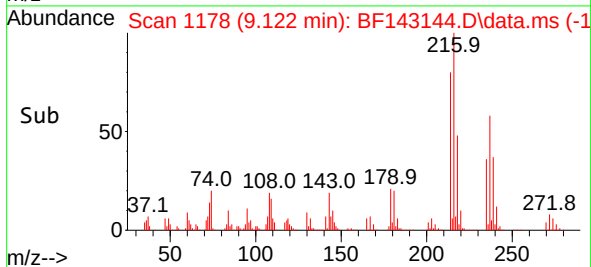
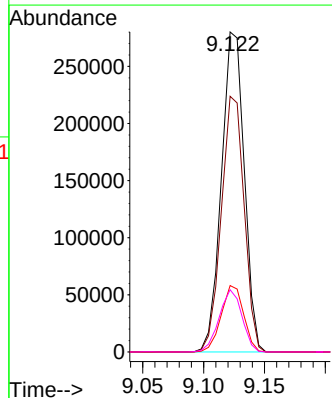
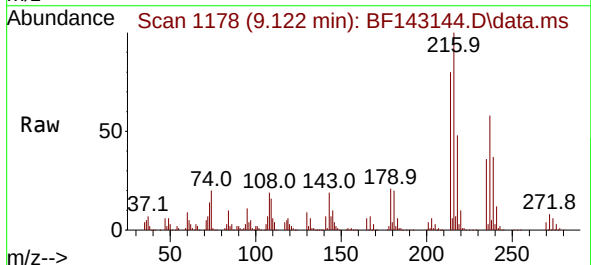
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

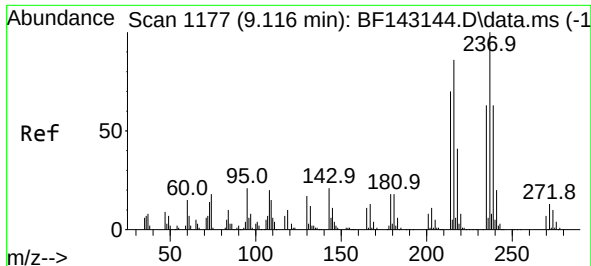
Tgt Ion:164 Resp: 331881
Ion Ratio Lower Upper
164 100
162 98.8 79.0 118.6
160 43.9 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.118 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:216 Resp: 365234
Ion Ratio Lower Upper
216 100
214 79.8 63.8 95.8
179 20.5 16.4 24.6
108 19.5 15.6 23.4

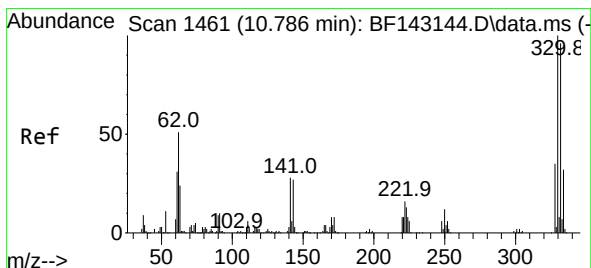
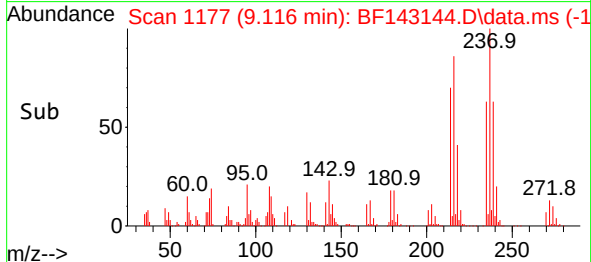
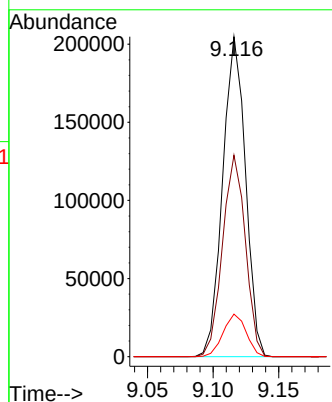
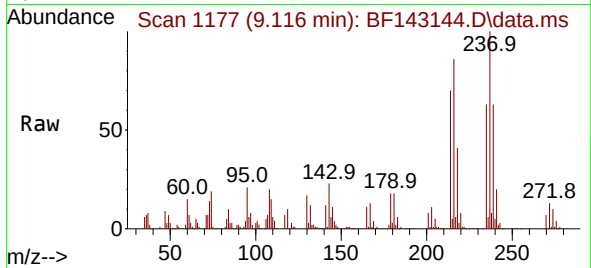




#41
Hexachlorocyclopentadiene
Concen: 39.695 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

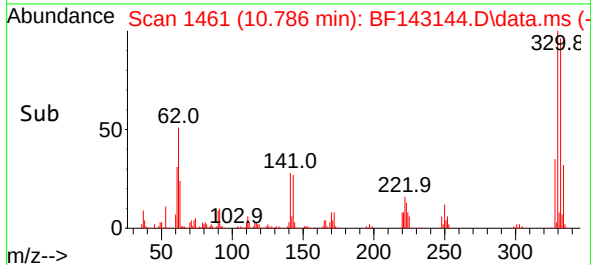
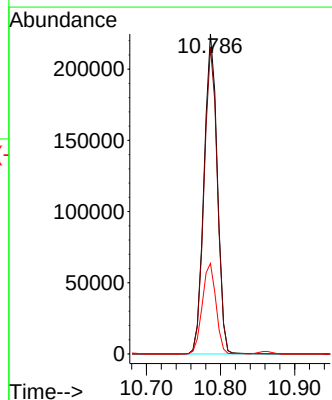
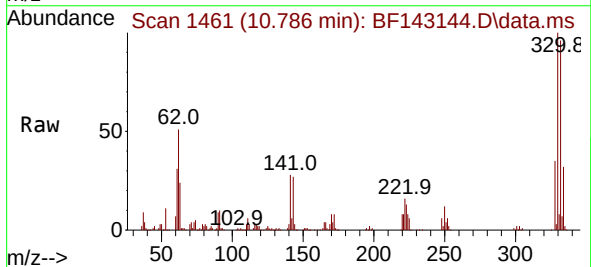
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

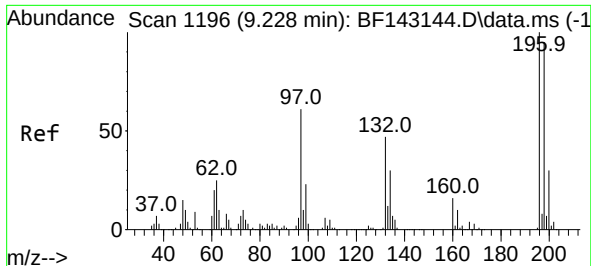
Tgt Ion:237 Resp: 247480
Ion Ratio Lower Upper
237 100
235 63.0 43.0 83.0
272 13.3 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 81.485 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:330 Resp: 279373
Ion Ratio Lower Upper
330 100
332 95.9 76.7 115.1
141 29.1 23.3 34.9

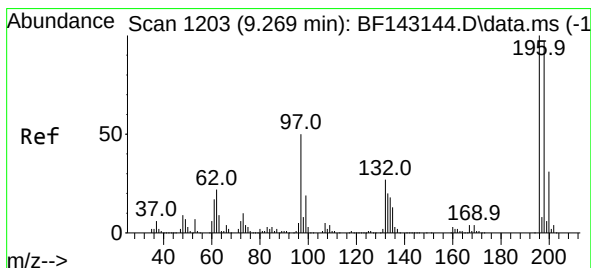
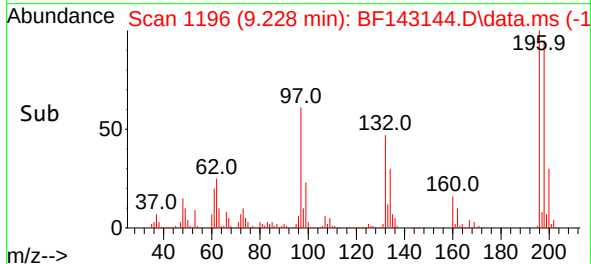
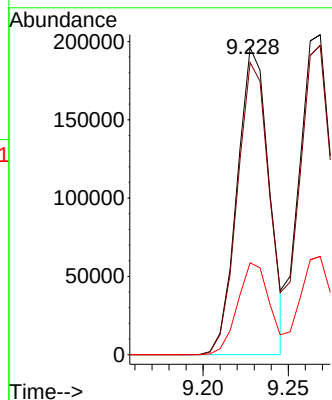
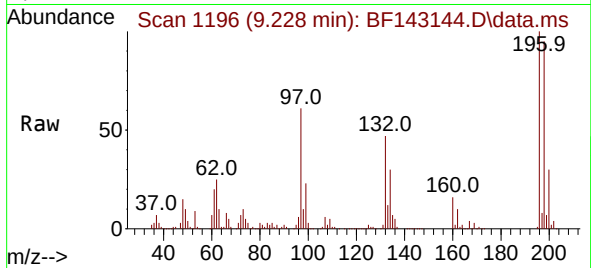




#43
2,4,6-Trichlorophenol
Concen: 38.471 ng
RT: 9.228 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

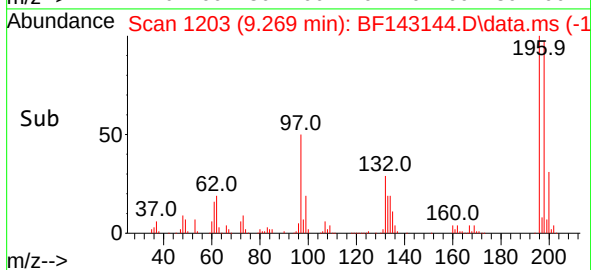
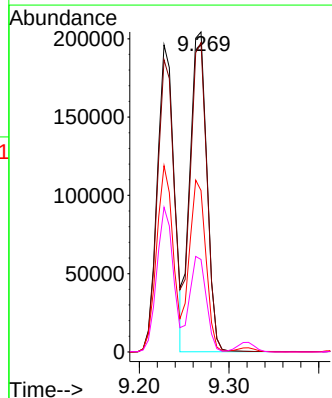
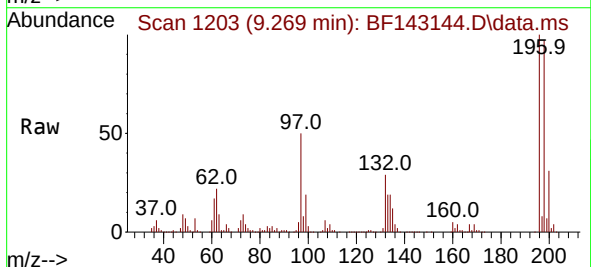
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

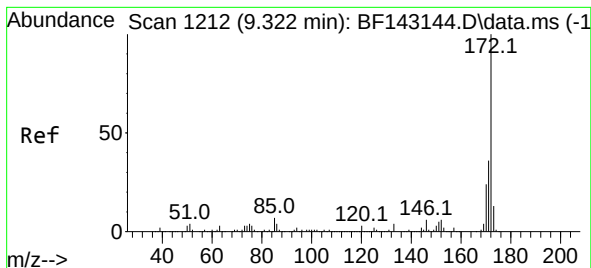
Tgt Ion:196 Resp: 255115
Ion Ratio Lower Upper
196 100
198 95.2 76.2 114.2
200 29.9 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 40.494 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:196 Resp: 268615
Ion Ratio Lower Upper
196 100
198 96.6 77.3 115.9
97 50.4 40.3 60.5
132 28.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.274 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

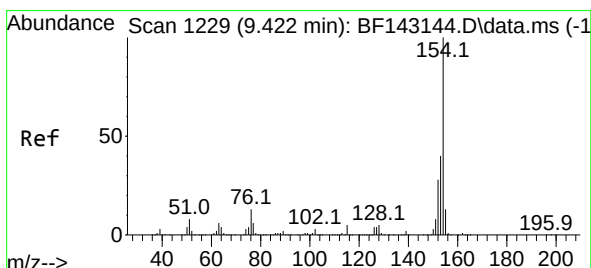
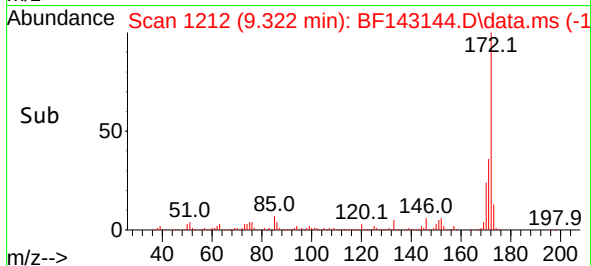
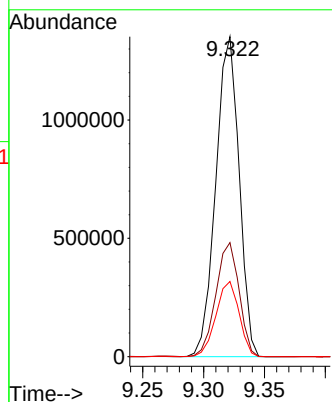
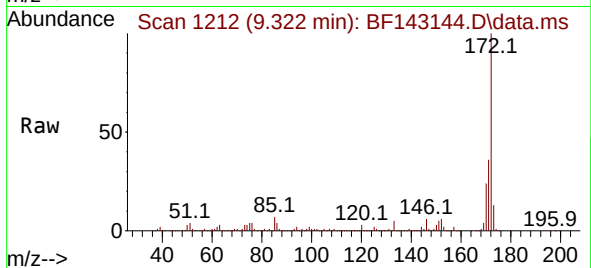
Tgt Ion:172 Resp: 1802398

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 38.177 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

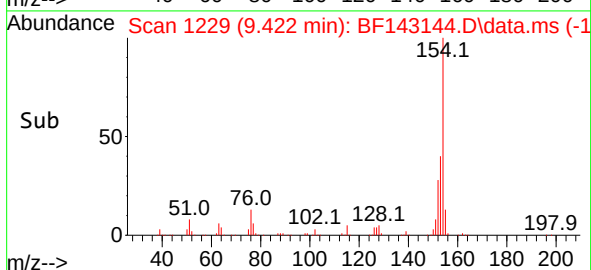
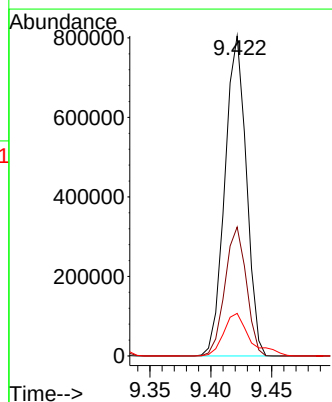
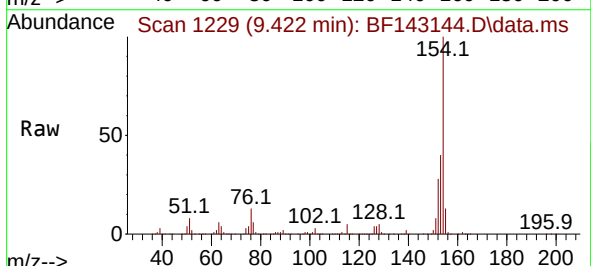
Tgt Ion:154 Resp: 988537

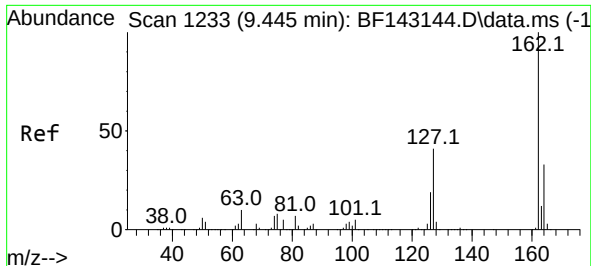
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 13.3 0.0 33.3





#47

2-Chloronaphthalene

Concen: 38.200 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

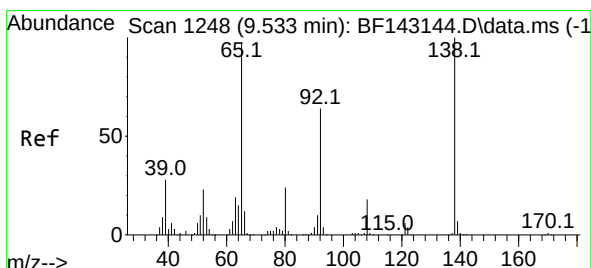
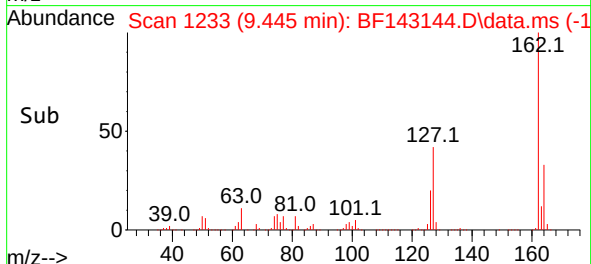
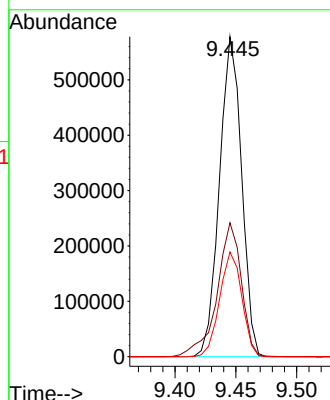
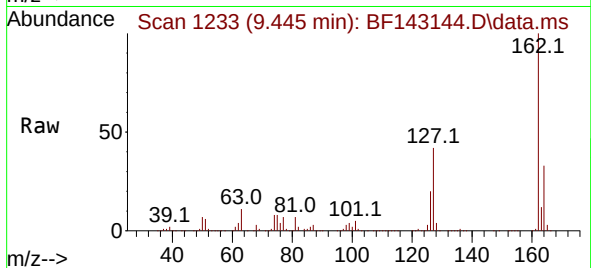
Tgt Ion:162 Resp: 731879

Ion Ratio Lower Upper

162 100

127 41.8 33.4 50.2

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 41.594 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

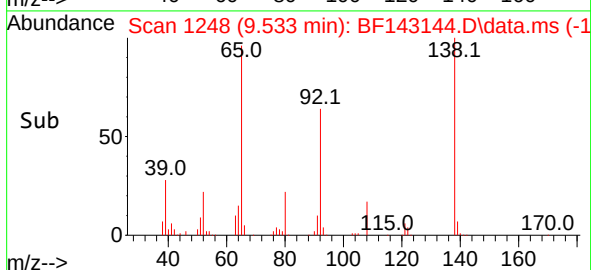
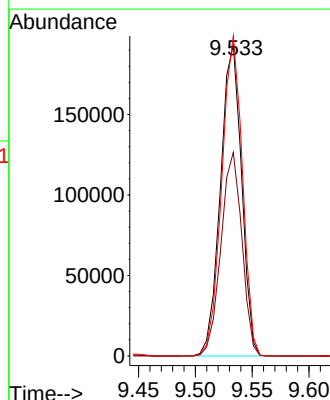
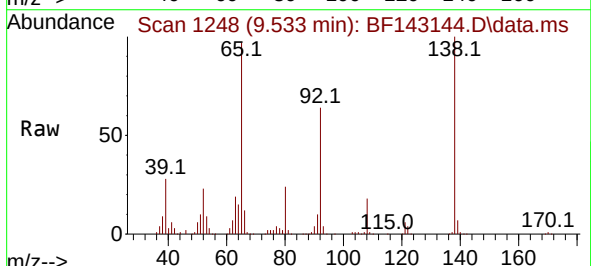
Tgt Ion: 65 Resp: 249908

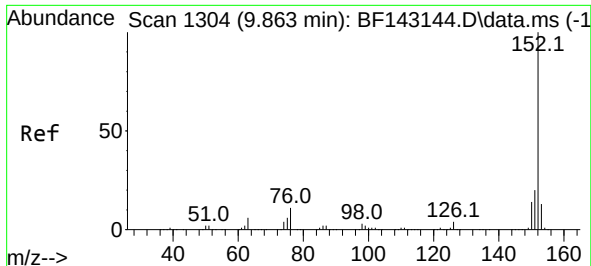
Ion Ratio Lower Upper

65 100

92 65.5 52.4 78.6

138 102.9 82.3 123.5

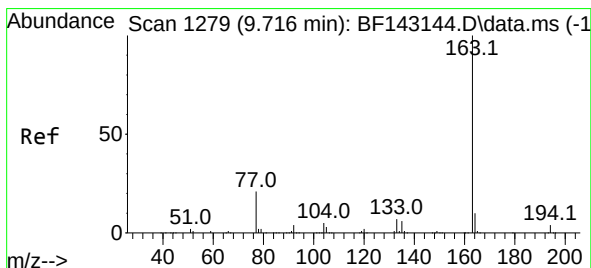
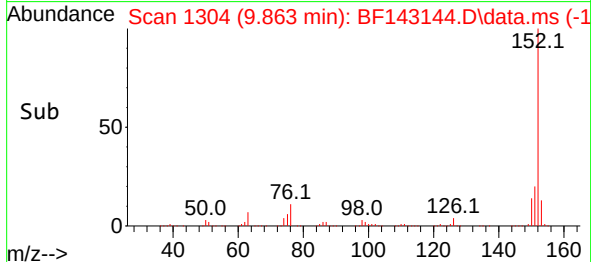
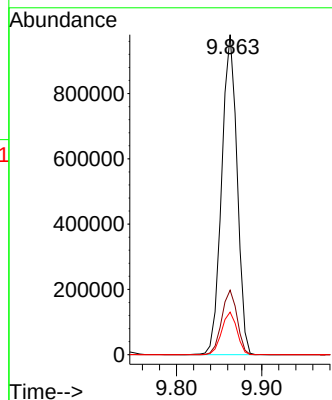
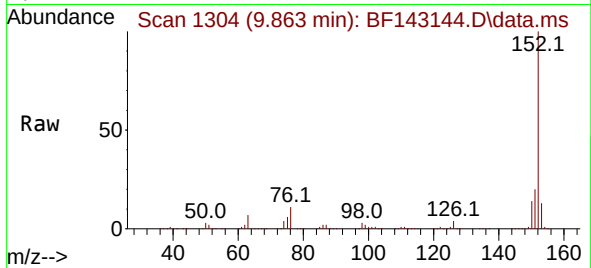




#49
Acenaphthylene
Concen: 38.458 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

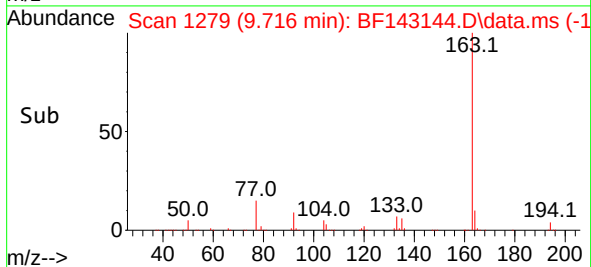
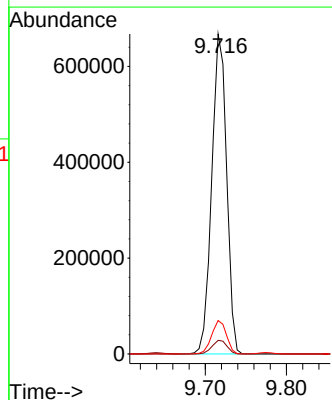
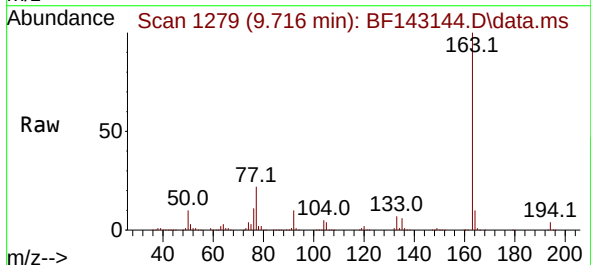
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

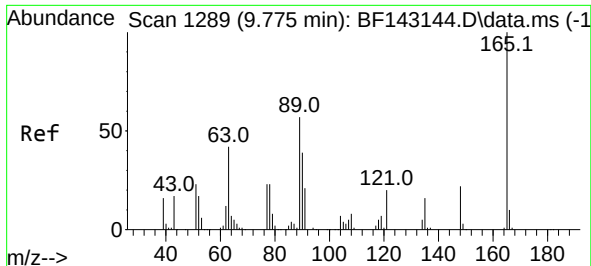
Tgt Ion:152 Resp: 1234789
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.3 10.6 16.0



#50
Dimethylphthalate
Concen: 39.238 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:163 Resp: 848828
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.4 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 41.866 ng

RT: 9.775 min Scan# 1289

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

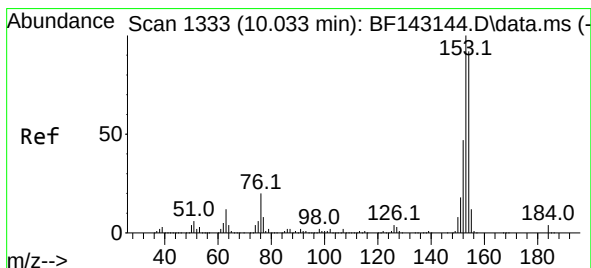
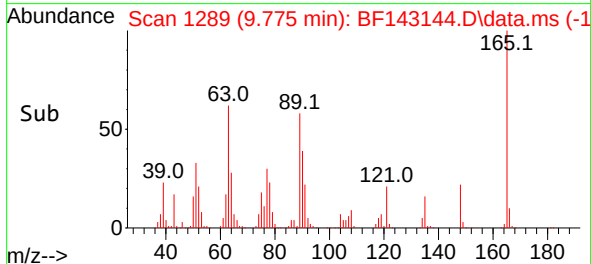
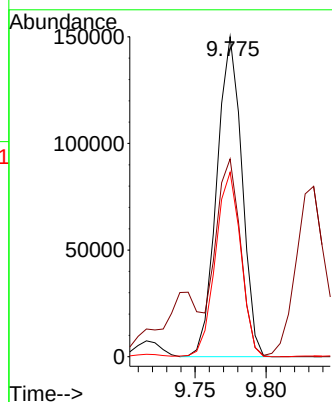
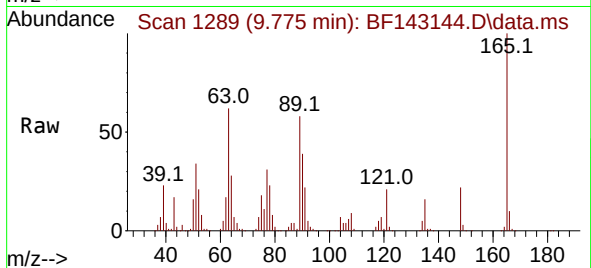
Tgt Ion:165 Resp: 184242

Ion Ratio Lower Upper

165 100

63 61.8 49.4 74.2

89 57.7 46.2 69.2



#52

Acenaphthene

Concen: 38.330 ng

RT: 10.033 min Scan# 1333

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

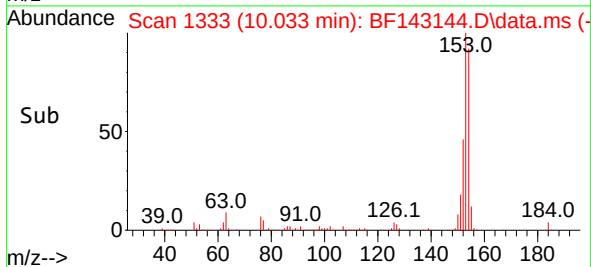
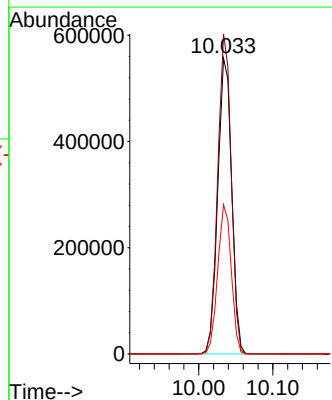
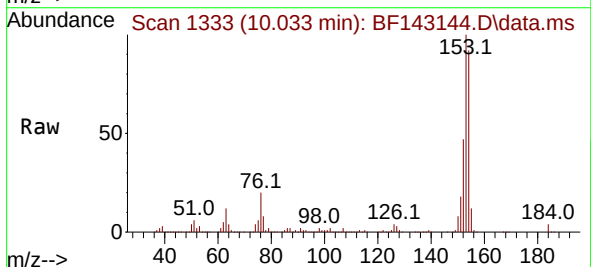
Tgt Ion:154 Resp: 727386

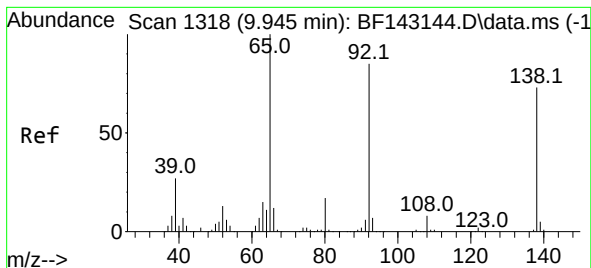
Ion Ratio Lower Upper

154 100

153 108.2 86.6 129.8

152 50.5 40.4 60.6





#53

3-Nitroaniline

Concen: 40.832 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

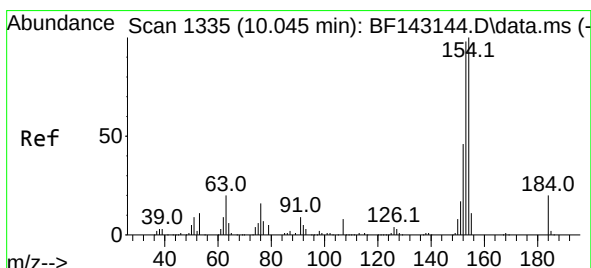
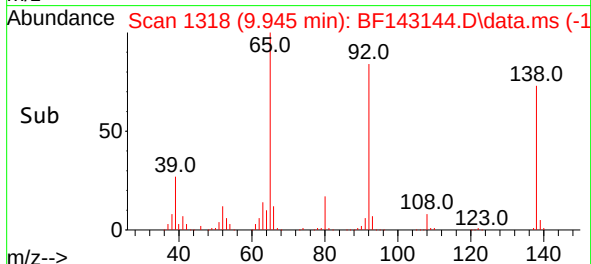
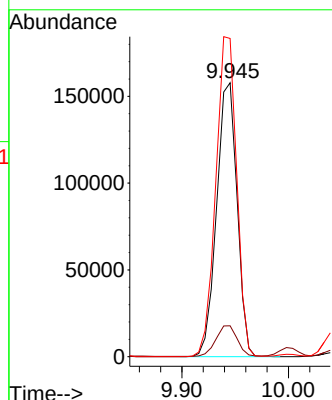
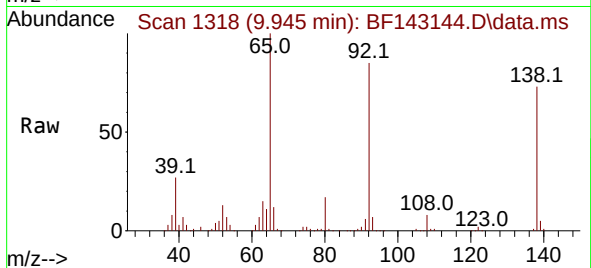
Tgt Ion:138 Resp: 210179

Ion Ratio Lower Upper

138 100

108 11.3 9.0 13.6

92 116.2 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 38.449 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

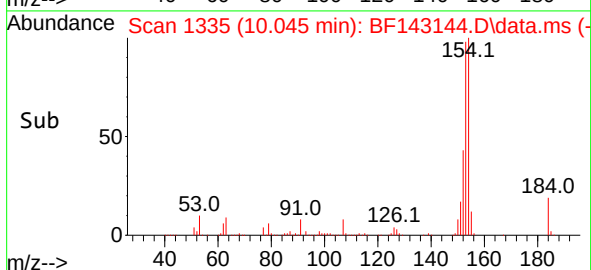
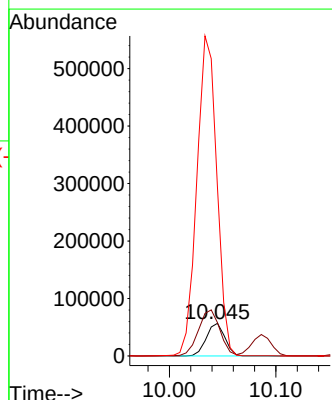
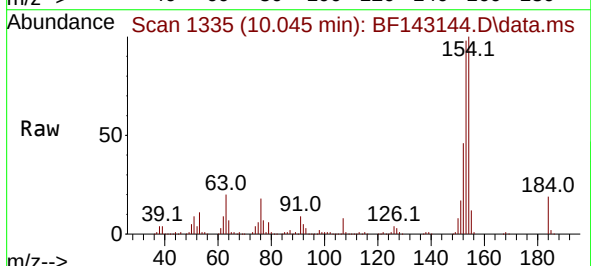
Tgt Ion:184 Resp: 69157

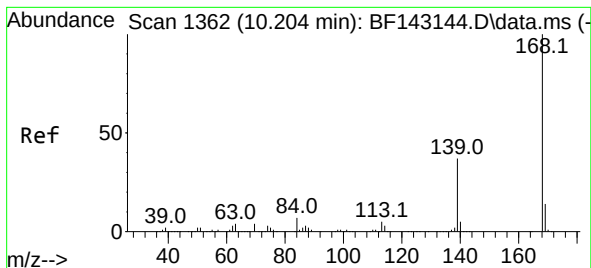
Ion Ratio Lower Upper

184 100

63 102.2 81.8 122.6

154 515.3 412.2 618.4





#55

Dibenzofuran

Concen: 38.462 ng

RT: 10.204 min Scan# 1362

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

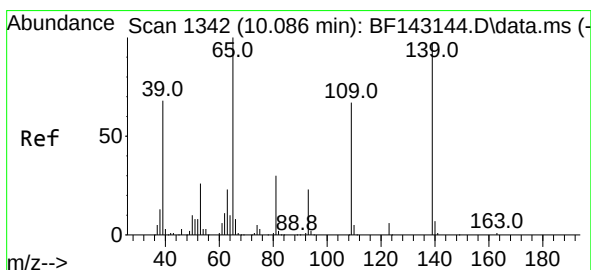
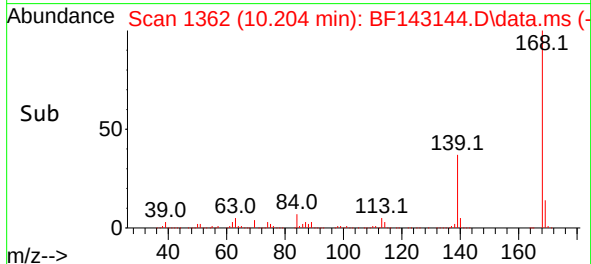
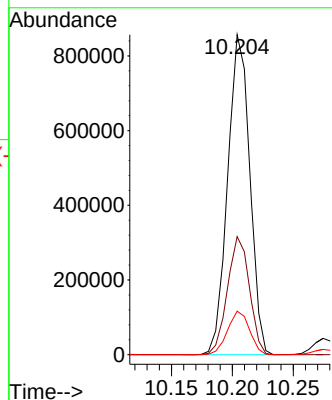
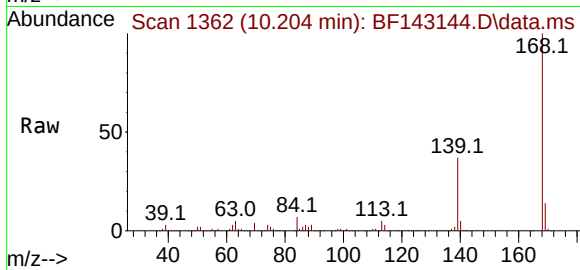
Tgt Ion:168 Resp: 1083678

Ion Ratio Lower Upper

168 100

139 36.9 29.5 44.3

169 13.6 10.9 16.3



#56

4-Nitrophenol

Concen: 42.408 ng

RT: 10.086 min Scan# 1342

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

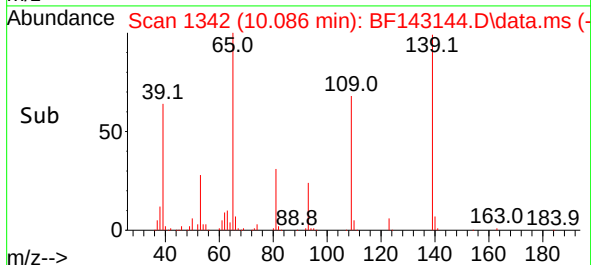
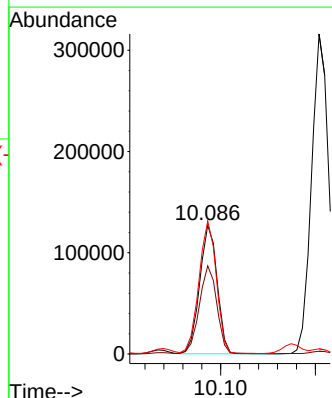
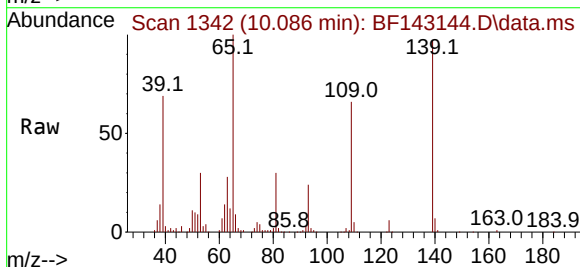
Tgt Ion:139 Resp: 163009

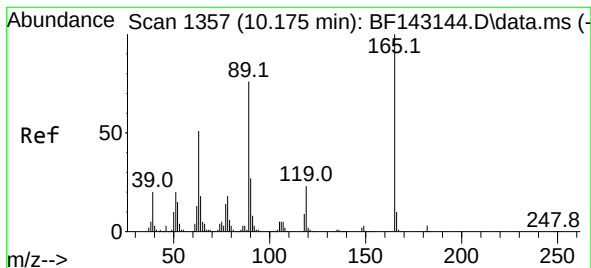
Ion Ratio Lower Upper

139 100

109 68.5 48.5 88.5

65 103.4 83.4 123.4

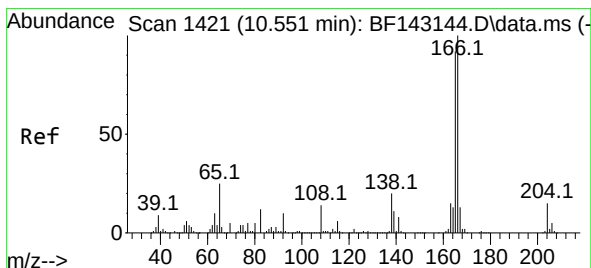
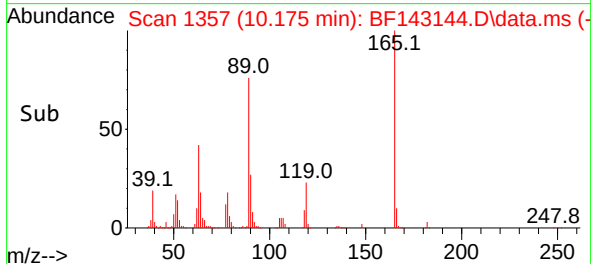
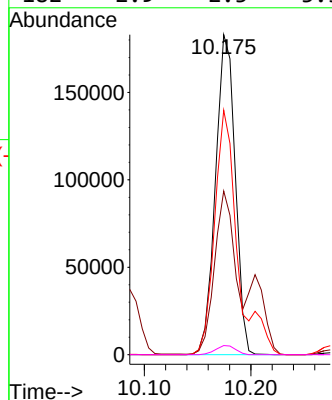
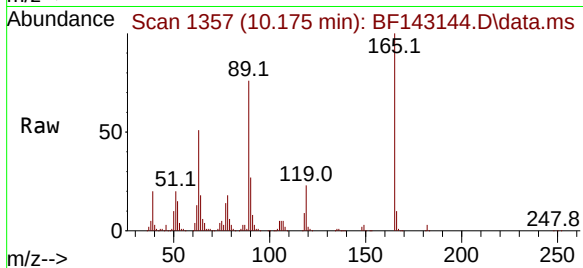




#57
2,4-Dinitrotoluene
Concen: 42.581 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

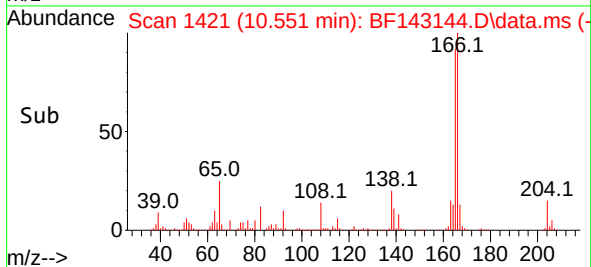
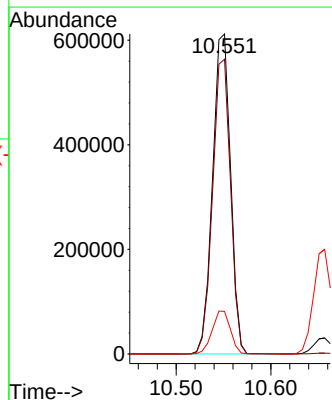
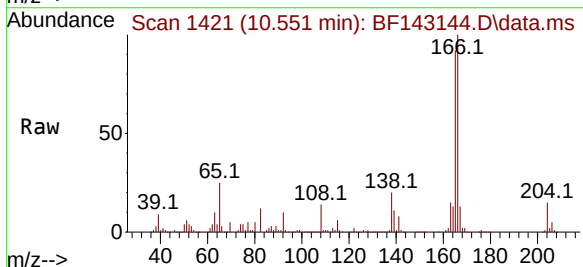
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

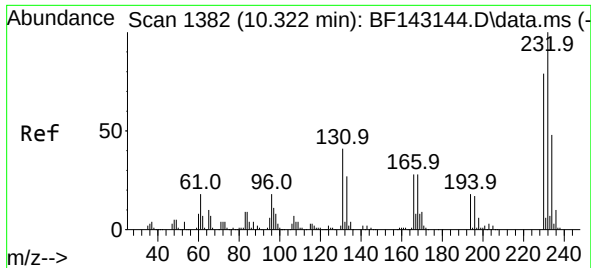
Tgt Ion:165 Resp: 235101
Ion Ratio Lower Upper
165 100
63 51.2 41.0 61.4
89 76.4 61.1 91.7
182 2.9 2.3 3.5



#58
Fluorene
Concen: 38.037 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:166 Resp: 804336
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.3 10.6 16.0

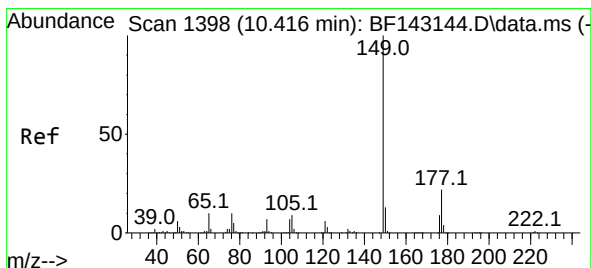
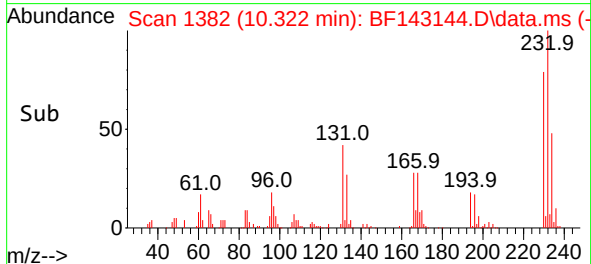
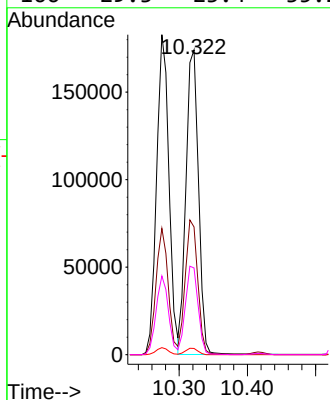
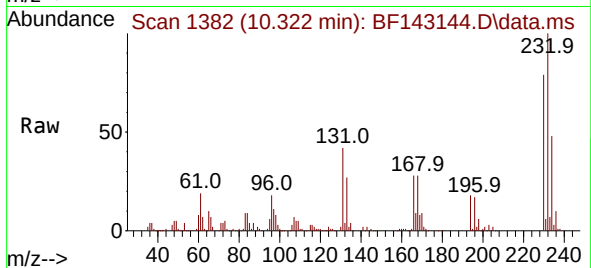




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.196 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

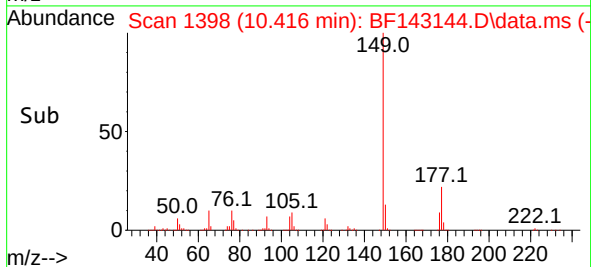
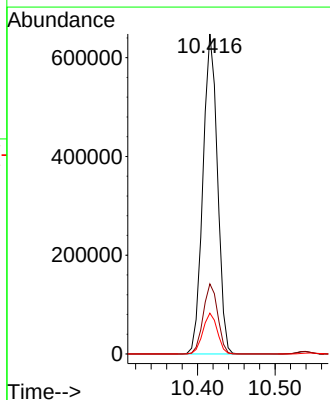
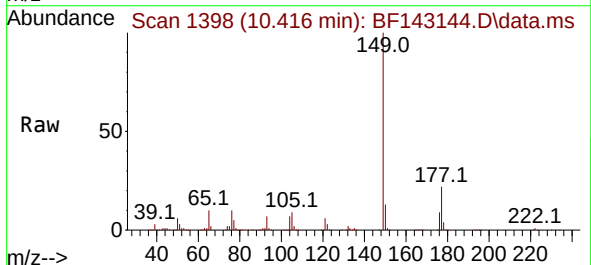
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

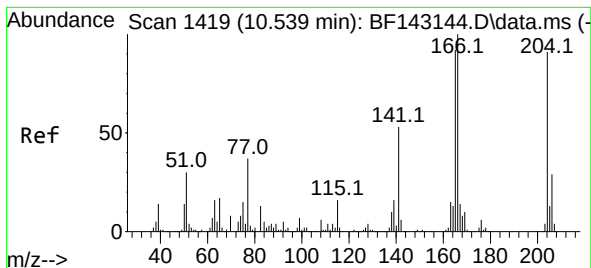
Tgt Ion:232 Resp: 220872
Ion Ratio Lower Upper
232 100
131 44.1 35.3 52.9
130 2.1 1.7 2.5
166 29.3 23.4 35.2



#60
Diethylphthalate
Concen: 39.387 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 842184
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.7 10.2 15.2

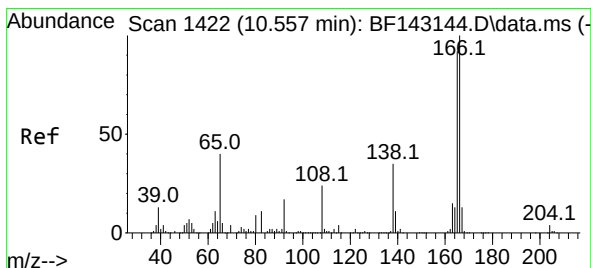
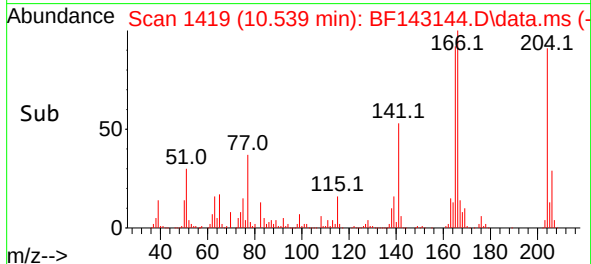
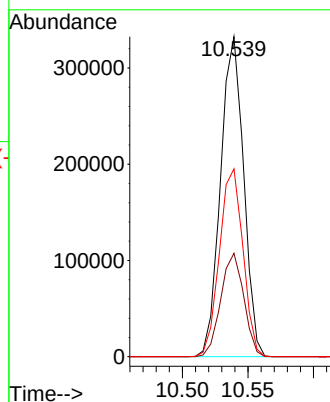
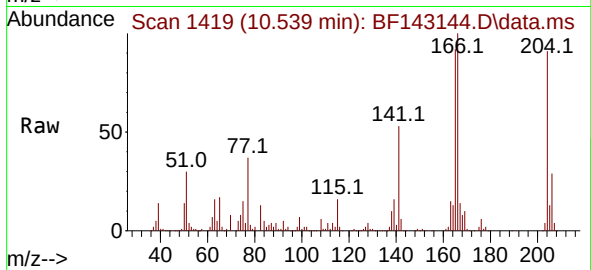




#61
4-Chlorophenyl-phenylether
Concen: 38.604 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

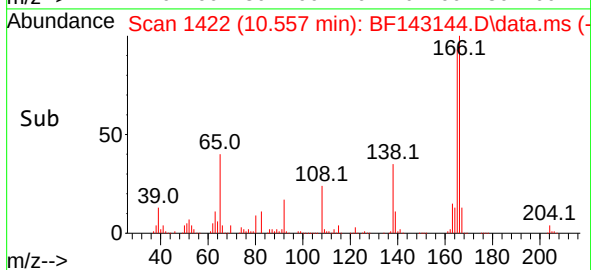
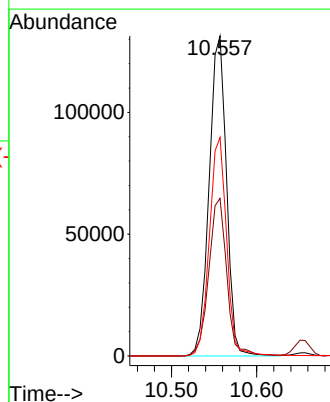
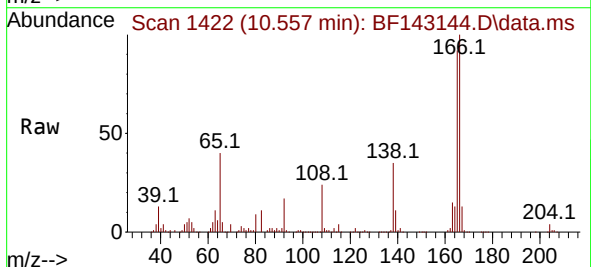
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

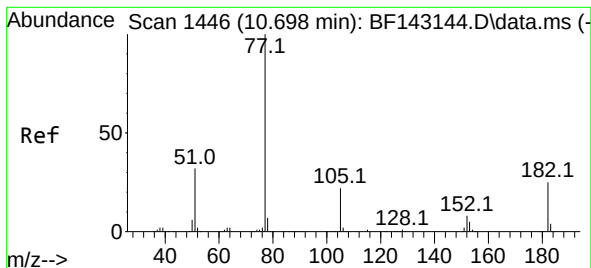
Tgt Ion:204 Resp: 406477
Ion Ratio Lower Upper
204 100
206 32.3 25.8 38.8
141 58.7 47.0 70.4



#62
4-Nitroaniline
Concen: 42.055 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:138 Resp: 185530
Ion Ratio Lower Upper
138 100
92 49.3 29.3 69.3
108 68.3 48.3 88.3





#63

Azobenzene

Concen: 39.326 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 876387

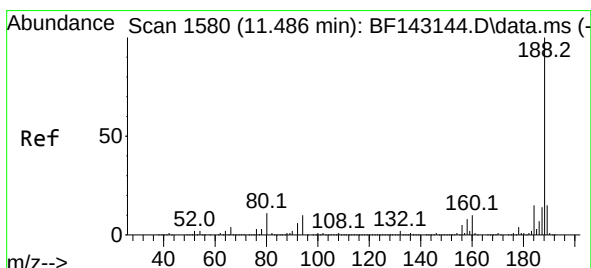
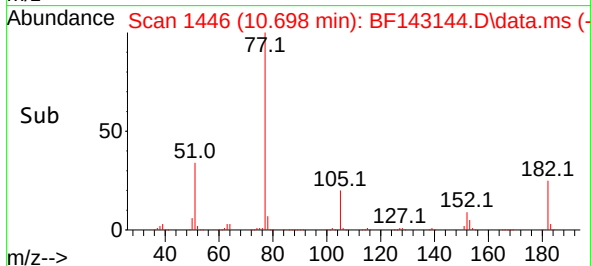
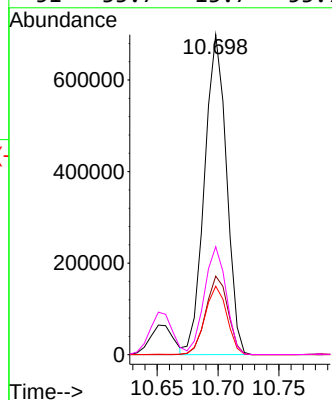
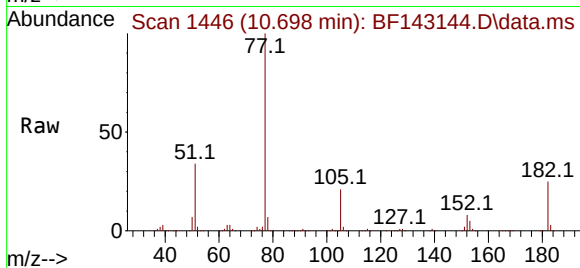
Ion Ratio Lower Upper

77 100

182 24.6 4.6 44.6

105 21.4 1.4 41.4

51 33.7 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

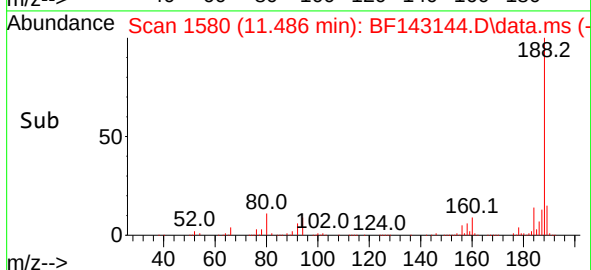
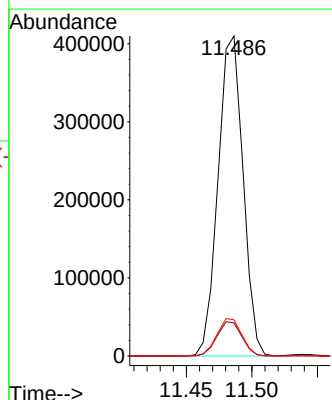
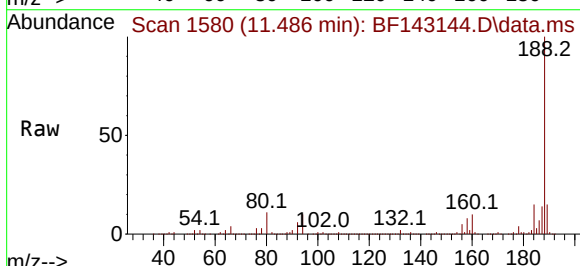
Tgt Ion:188 Resp: 542726

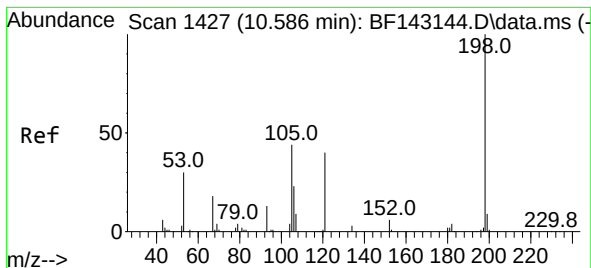
Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

80 11.3 9.0 13.6

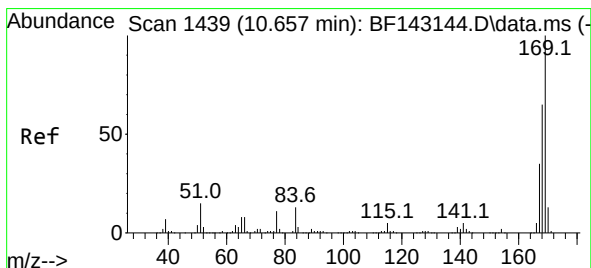
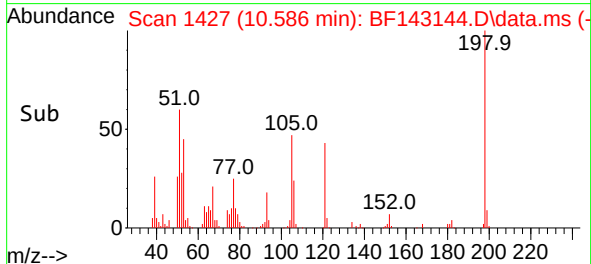
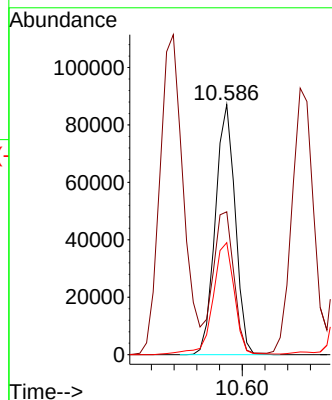
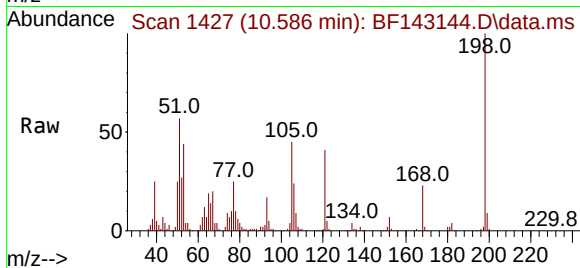




#65
4,6-Dinitro-2-methylphenol
Concen: 38.322 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

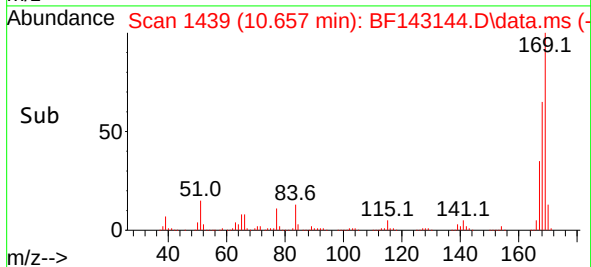
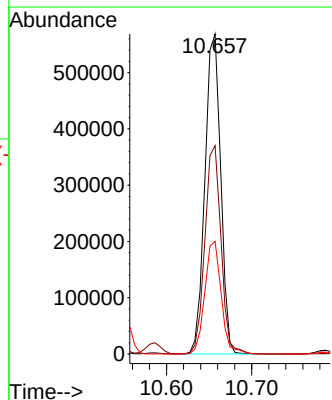
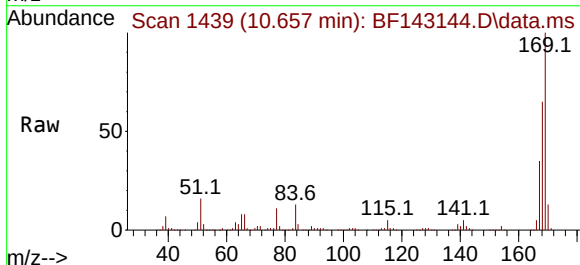
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

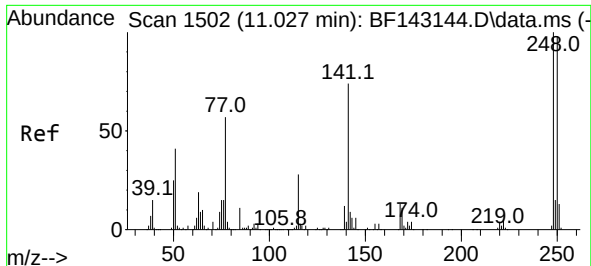
Tgt Ion:198 Resp: 105533
Ion Ratio Lower Upper
198 100
51 57.2 37.2 77.2
105 44.8 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 38.278 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:169 Resp: 731532
Ion Ratio Lower Upper
169 100
168 65.1 52.1 78.1
167 35.2 28.2 42.2

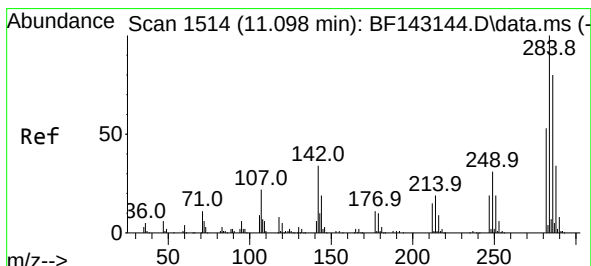
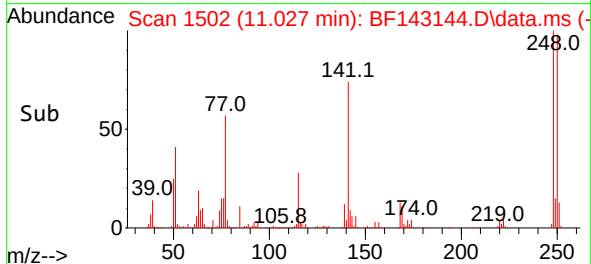
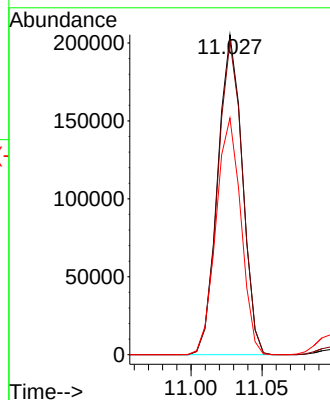
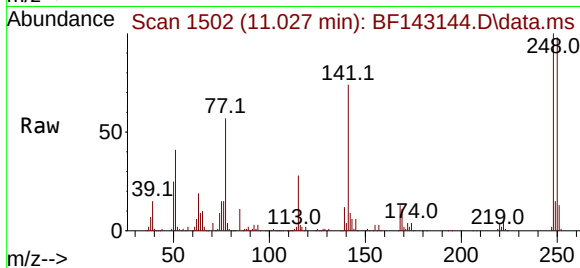




#67
4-Bromophenyl-phenylether
Concen: 38.307 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

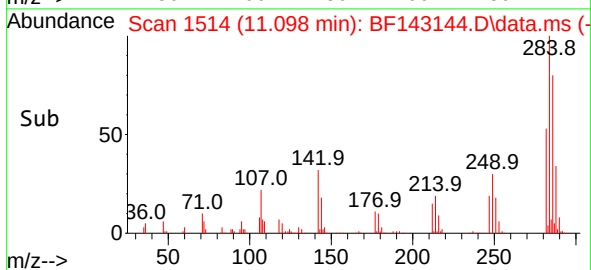
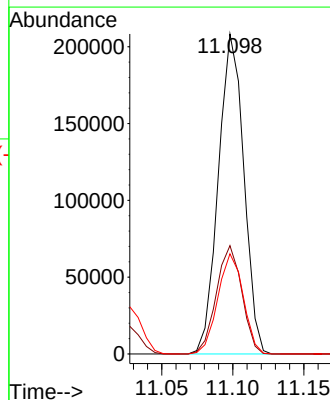
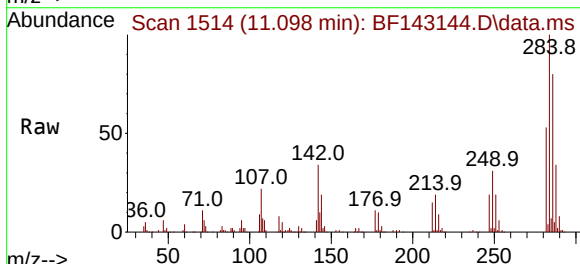
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

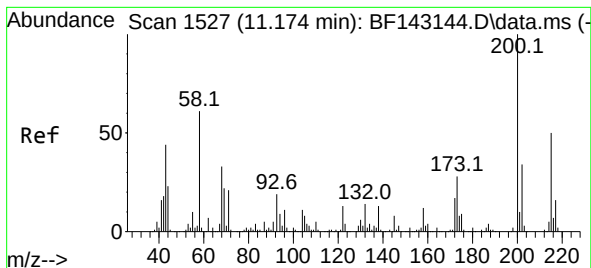
Tgt Ion:248 Resp: 247764
Ion Ratio Lower Upper
248 100
250 97.9 78.3 117.5
141 74.0 59.2 88.8



#68
Hexachlorobenzene
Concen: 38.424 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:284 Resp: 259758
Ion Ratio Lower Upper
284 100
142 33.8 27.0 40.6
249 31.3 25.0 37.6





#69

Atrazine

Concen: 40.421 ng

RT: 11.174 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

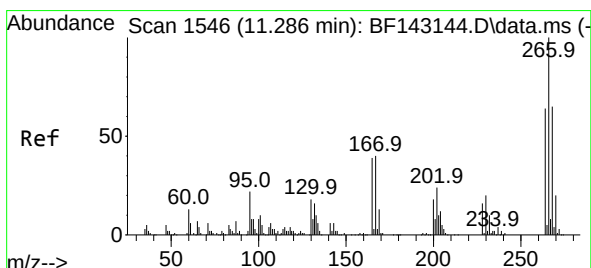
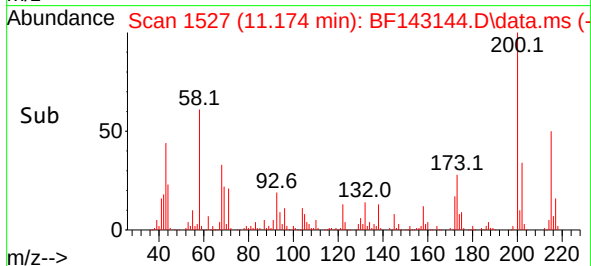
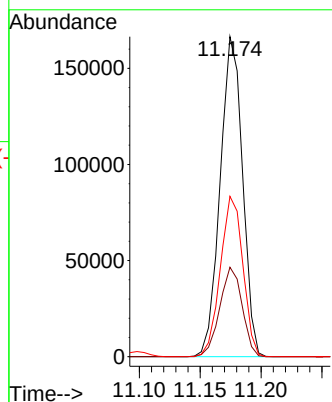
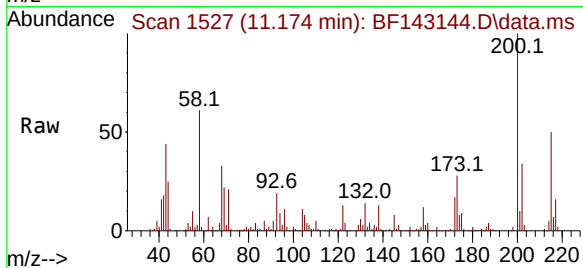
Tgt Ion:200 Resp: 212970

Ion Ratio Lower Upper

200 100

173 27.9 7.9 47.9

215 50.1 30.1 70.1



#70

Pentachlorophenol

Concen: 40.500 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

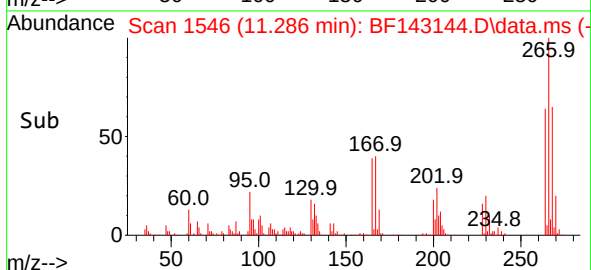
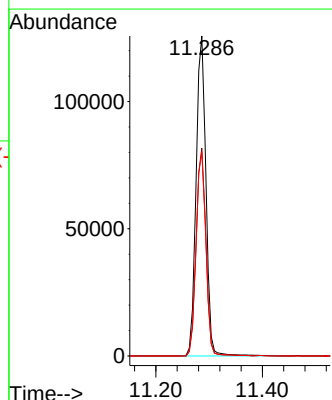
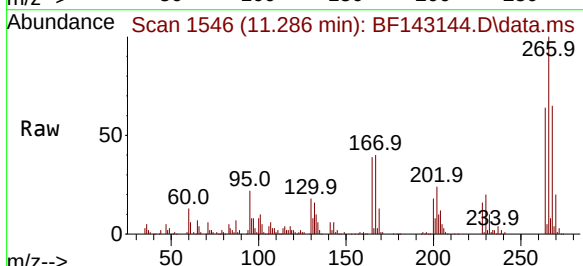
Tgt Ion:266 Resp: 161013

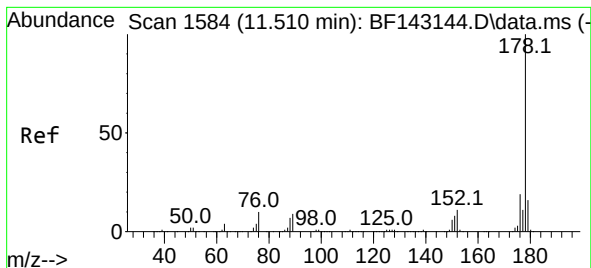
Ion Ratio Lower Upper

266 100

268 64.9 51.9 77.9

264 63.8 51.0 76.6





#71

Phenanthrene

Concen: 38.429 ng

RT: 11.510 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

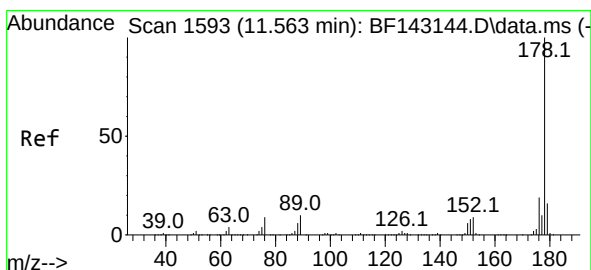
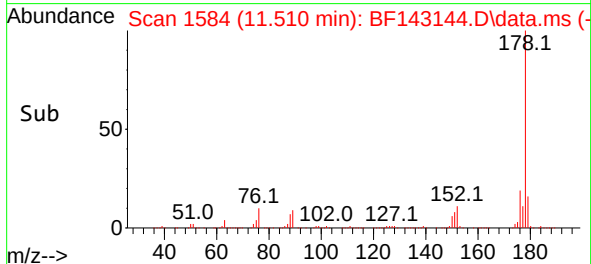
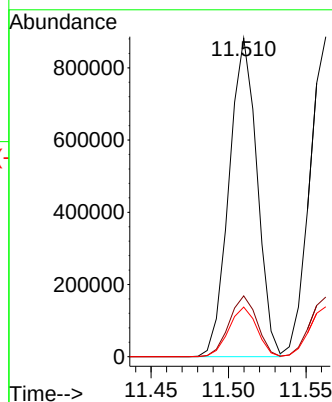
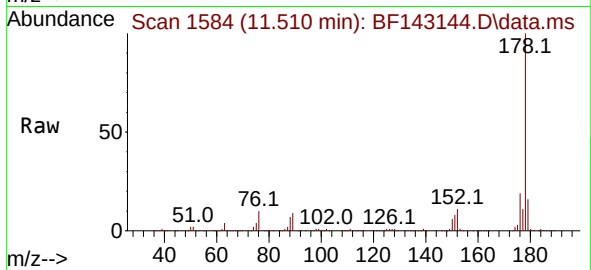
Tgt Ion:178 Resp: 1107412

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.6 12.5 18.7



#72

Anthracene

Concen: 38.336 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

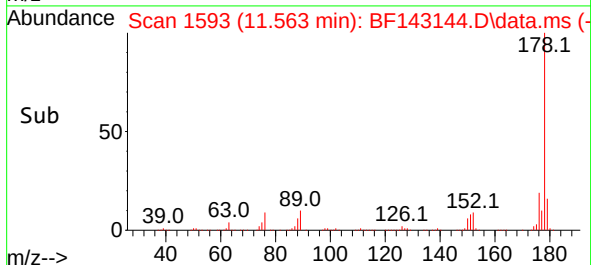
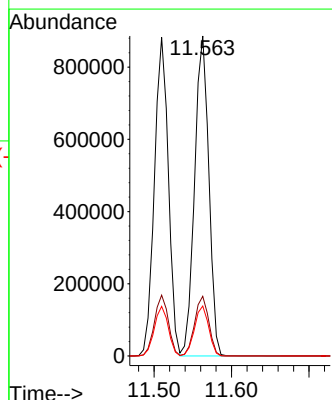
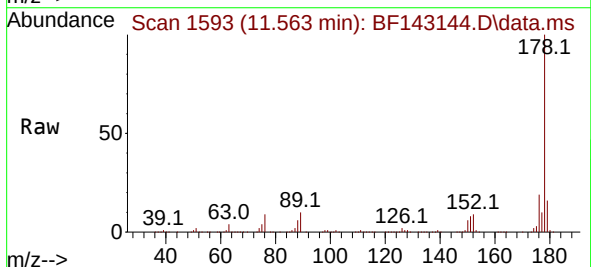
Tgt Ion:178 Resp: 1126710

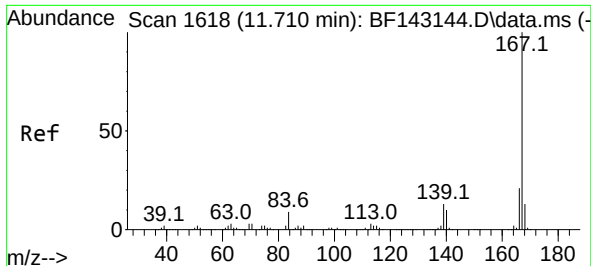
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.6 12.5 18.7

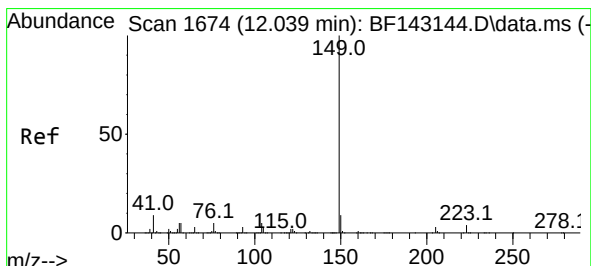
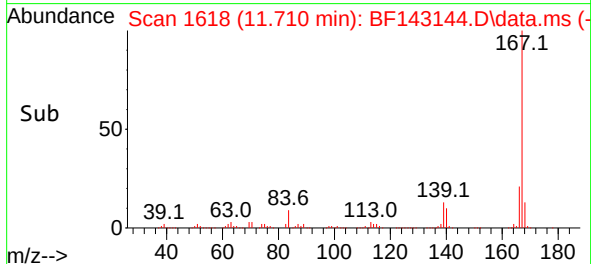
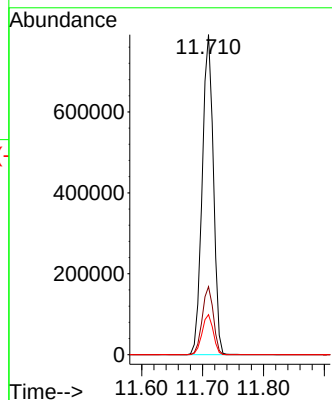
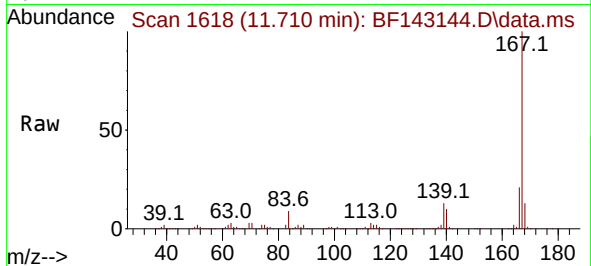




#73
Carbazole
Concen: 39.304 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

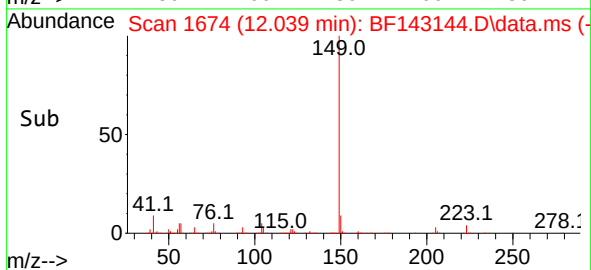
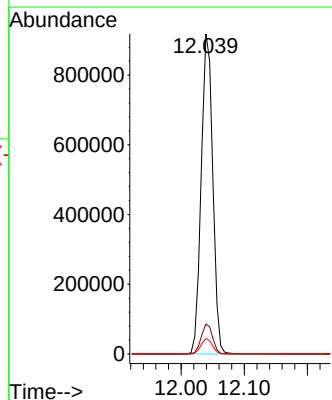
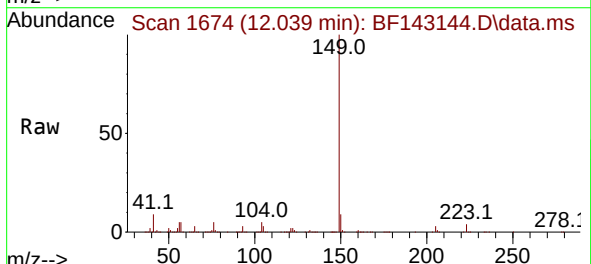
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

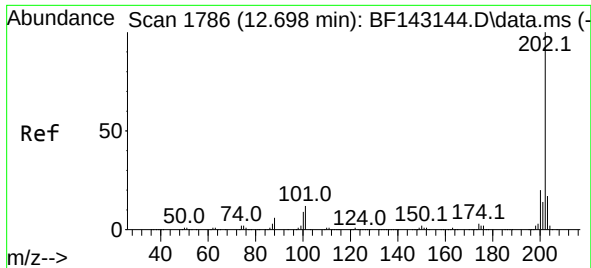
Tgt Ion:167 Resp: 1008669
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 12.5 10.0 15.0



#74
Di-n-butylphthalate
Concen: 40.135 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 1165443
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.8 3.8 5.8

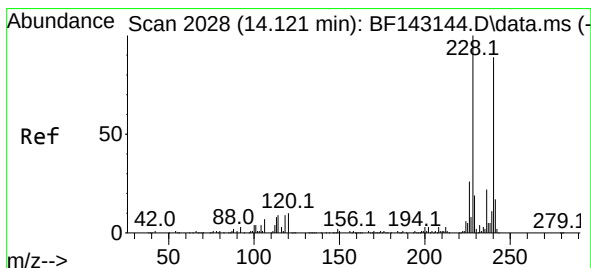
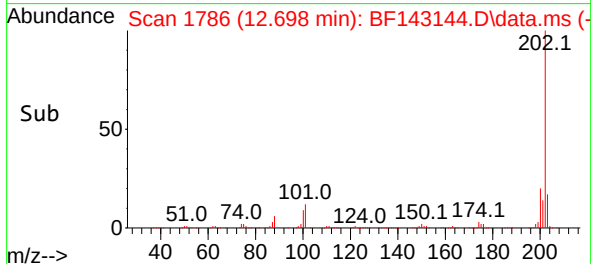
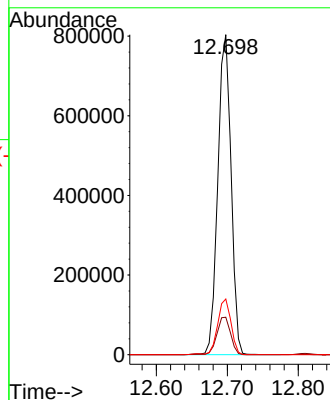
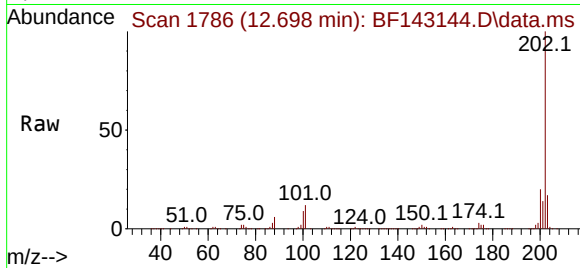




#75
Fluoranthene
Concen: 39.111 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

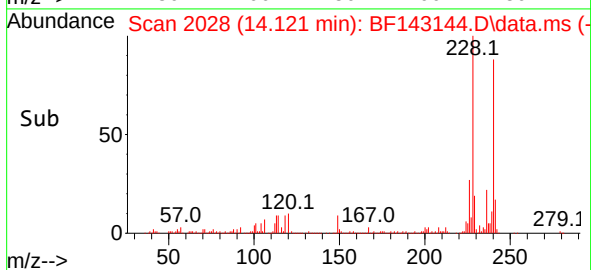
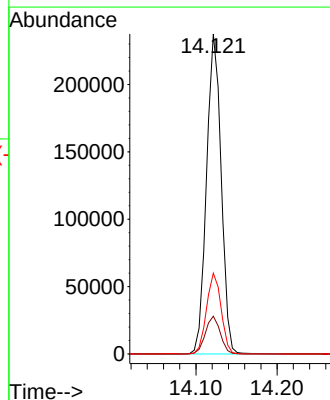
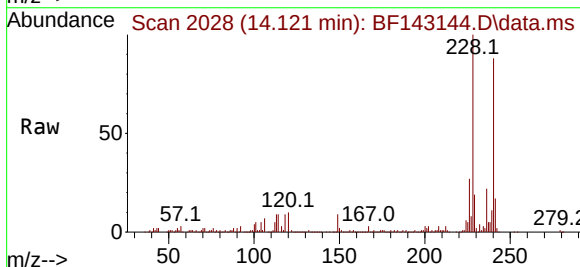
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

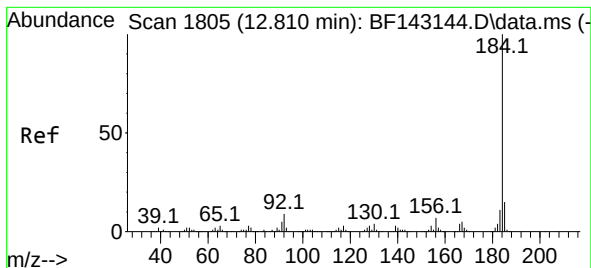
Tgt Ion:202 Resp: 1034509
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:240 Resp: 296414
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 25.3 20.2 30.4





#77

Benzidine

Concen: 49.451 ng

RT: 12.810 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

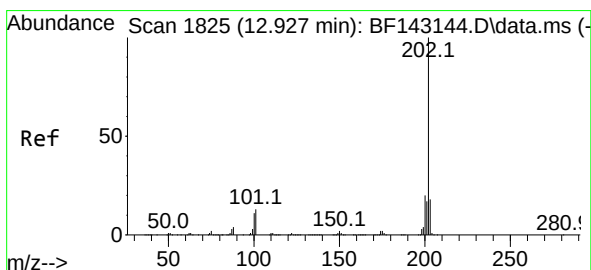
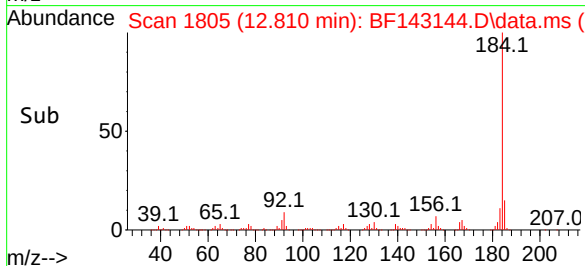
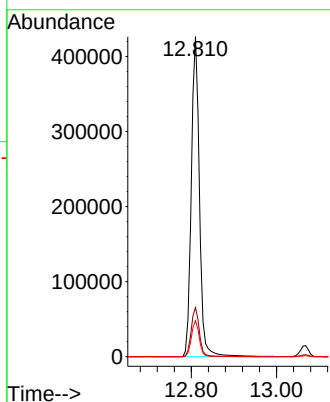
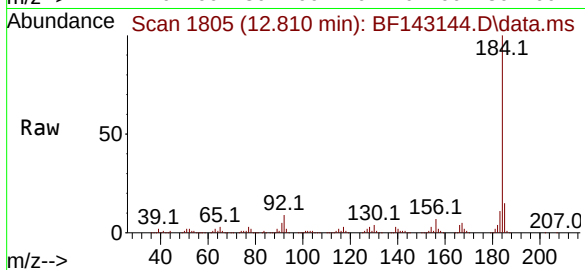
Tgt Ion:184 Resp: 564732

Ion Ratio Lower Upper

184 100

185 15.3 12.2 18.4

183 11.2 9.0 13.4



#78

Pyrene

Concen: 40.195 ng

RT: 12.927 min Scan# 1825

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

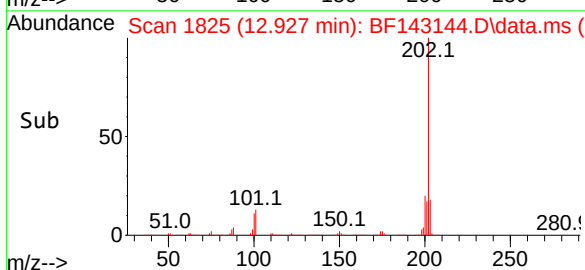
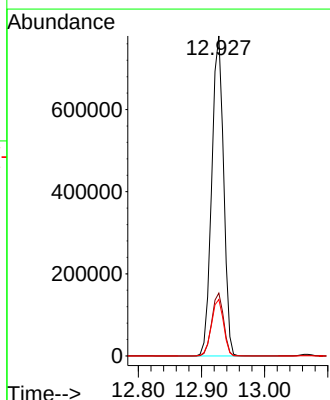
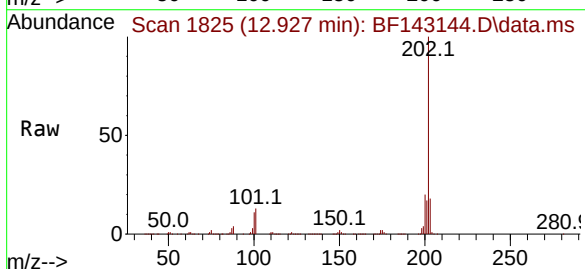
Tgt Ion:202 Resp: 1016822

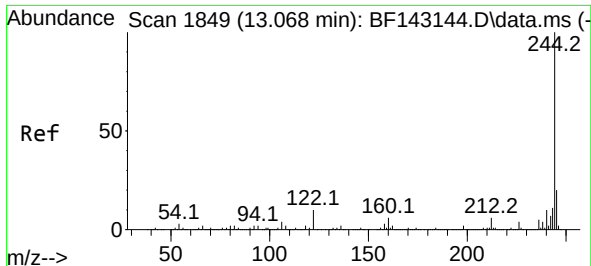
Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

203 17.7 14.2 21.2

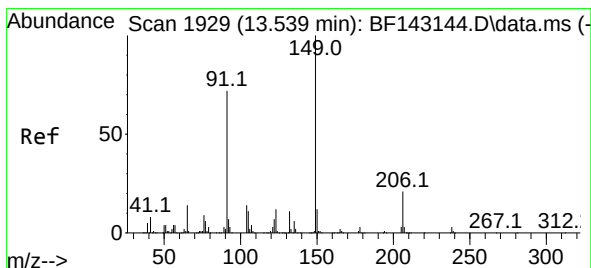
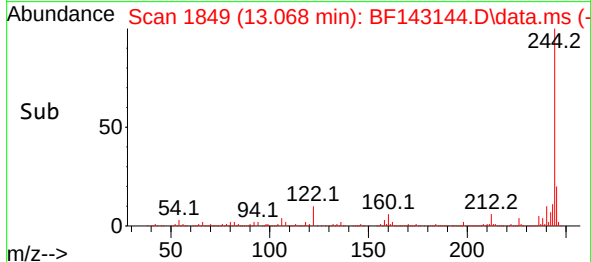
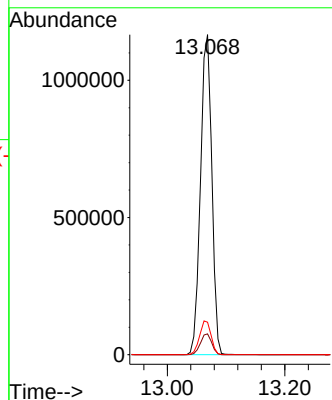
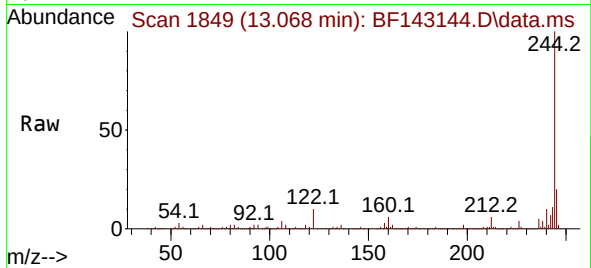




#79
 Terphenyl-d14
 Concen: 78.063 ng
 RT: 13.068 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143144.D
 Acq: 17 Jul 2025 13:03

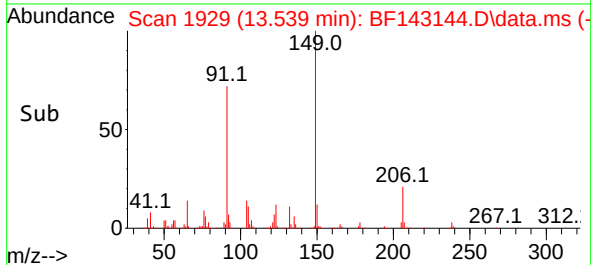
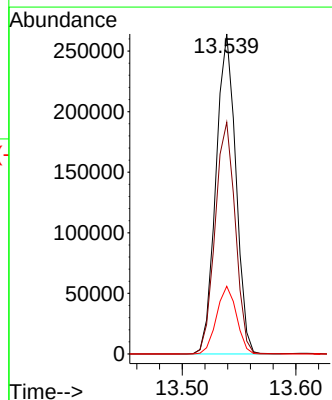
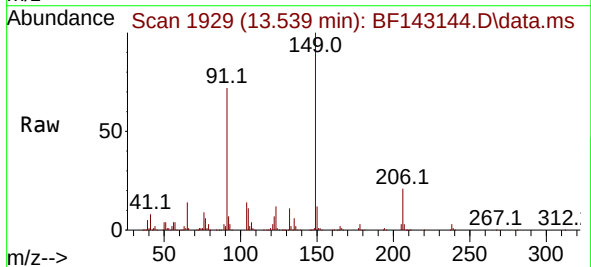
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

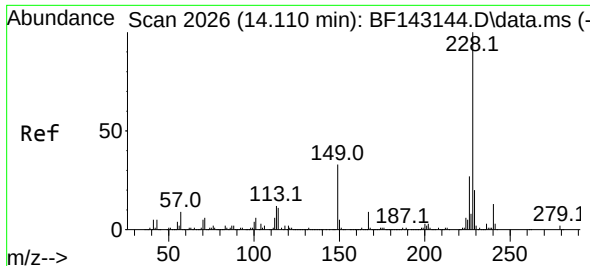
Tgt Ion:244 Resp: 1554923
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.2 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 41.603 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. 0.000 min
 Lab File: BF143144.D
 Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 322273
 Ion Ratio Lower Upper
 149 100
 91 72.4 57.9 86.9
 206 21.2 17.0 25.4

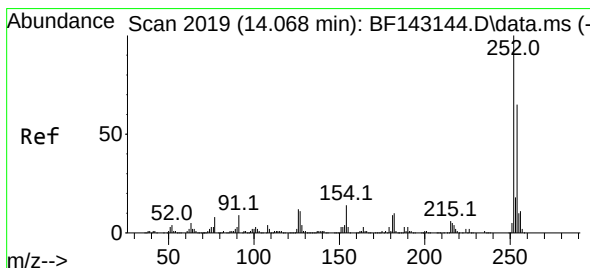
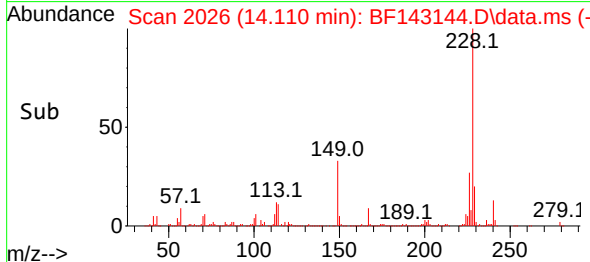
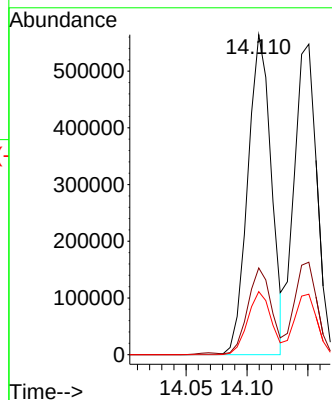
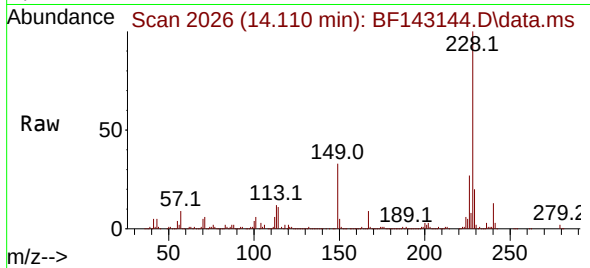




#81
Benzo(a)anthracene
Concen: 38.283 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

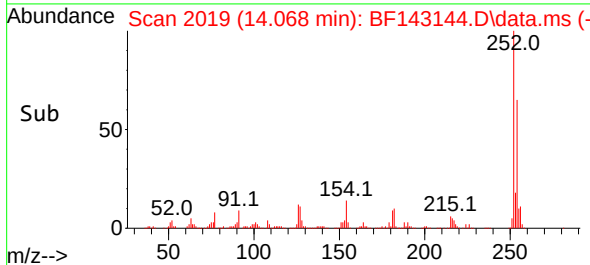
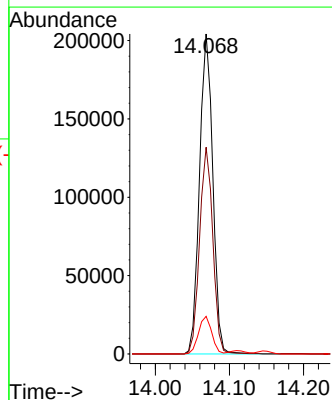
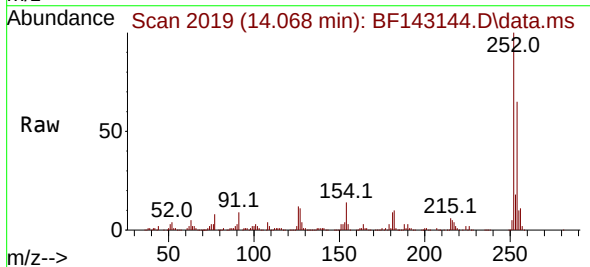
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

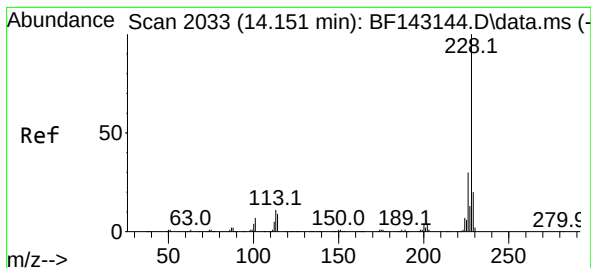
Tgt Ion:228 Resp: 759726
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.7 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 38.418 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 254099
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 11.7 9.4 14.0





#83

Chrysene

Concen: 40.085 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

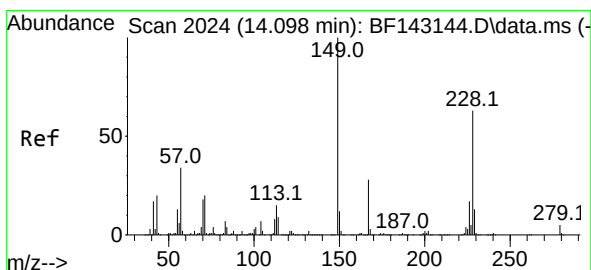
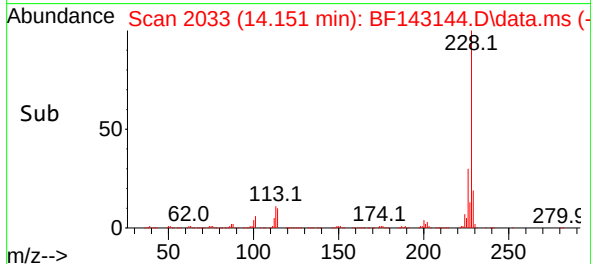
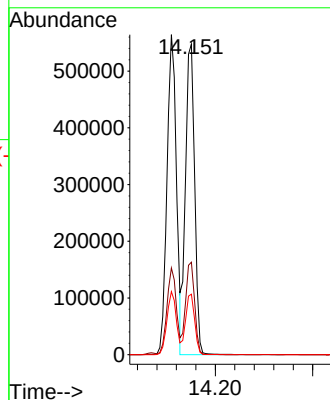
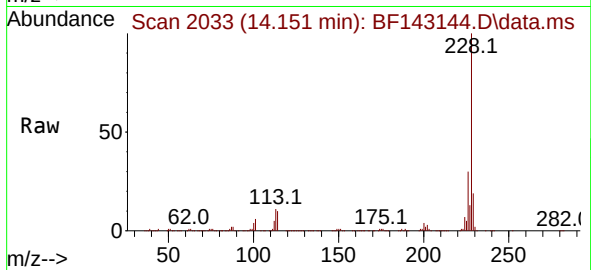
Tgt Ion:228 Resp: 715222

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 39.906 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

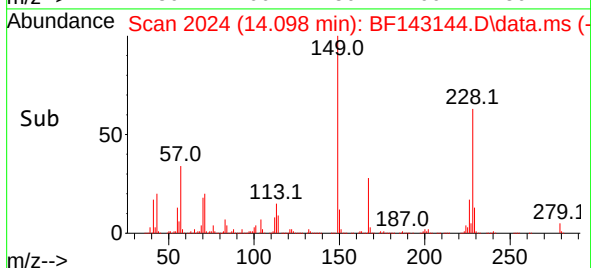
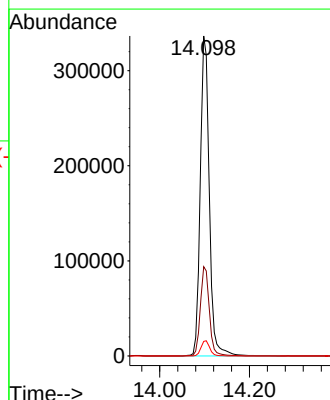
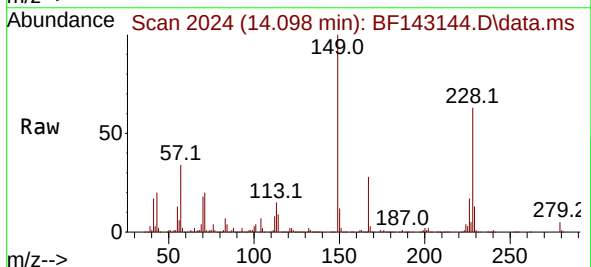
Tgt Ion:149 Resp: 467892

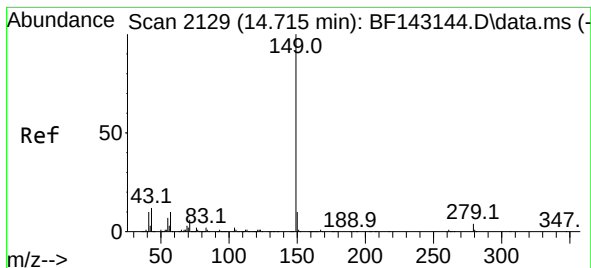
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

279 4.5 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 38.595 ng

RT: 14.715 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

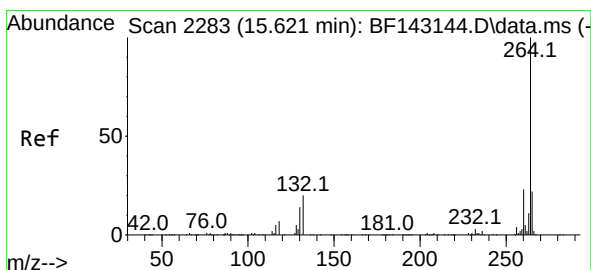
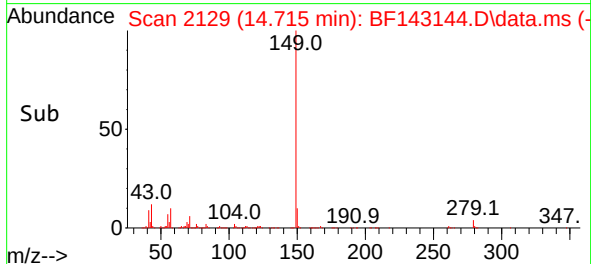
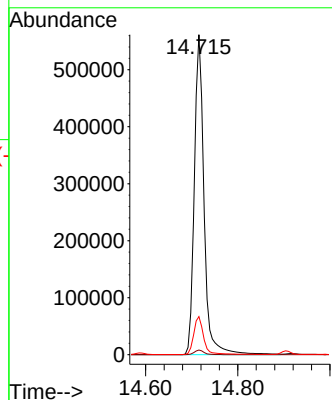
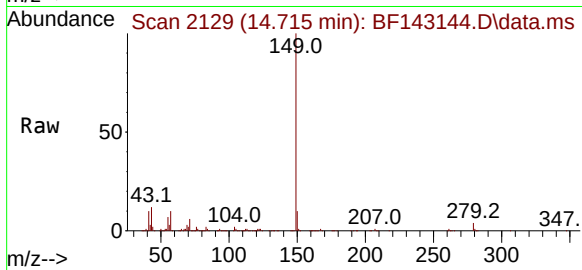
Tgt Ion:149 Resp: 820264

Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

43 12.1 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

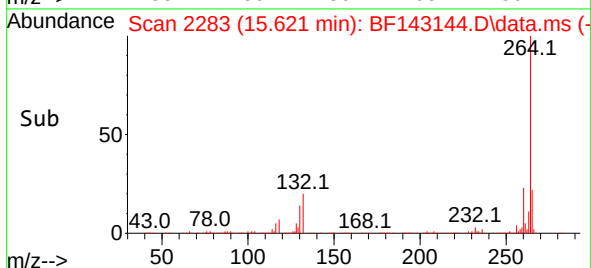
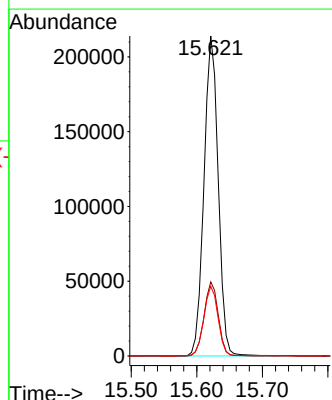
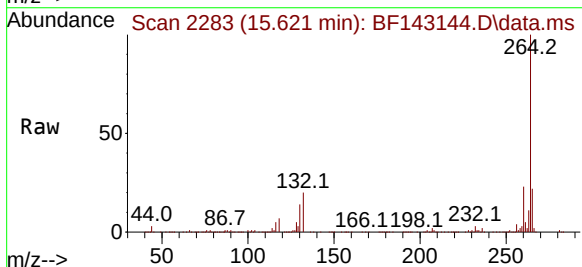
Tgt Ion:264 Resp: 323574

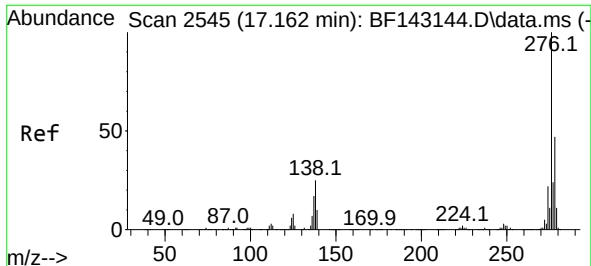
Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.8 17.4 26.2

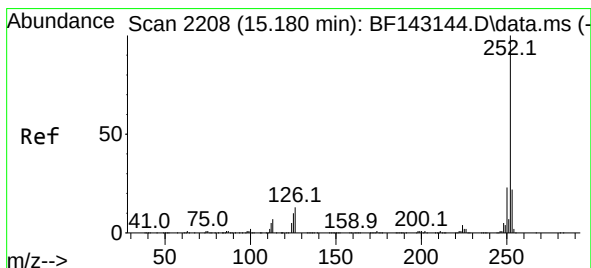
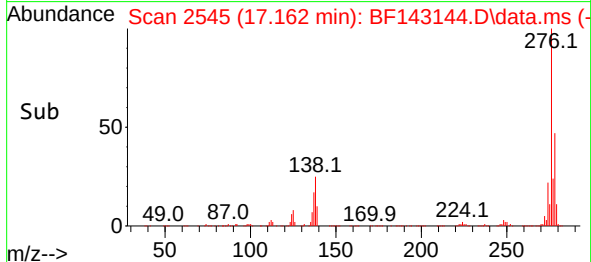
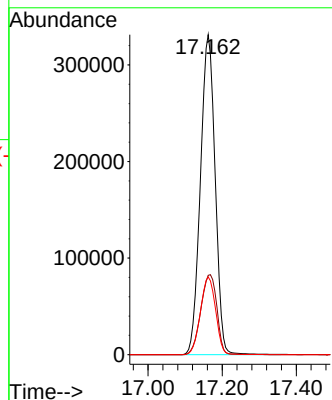
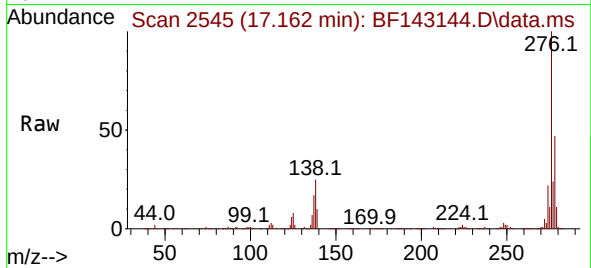




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.086 ng
RT: 17.162 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

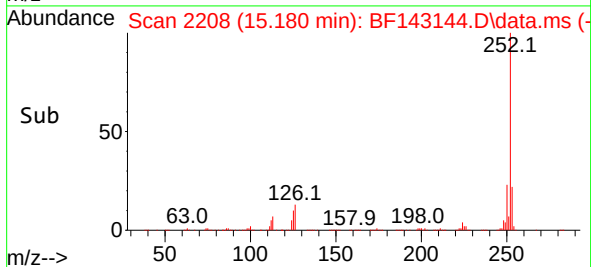
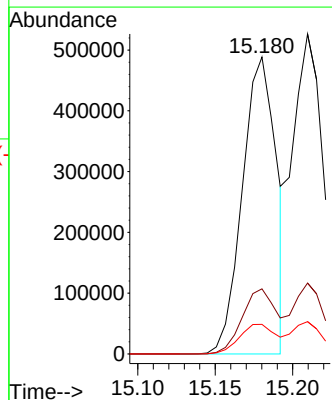
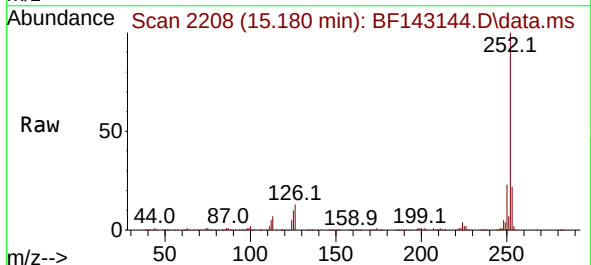
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

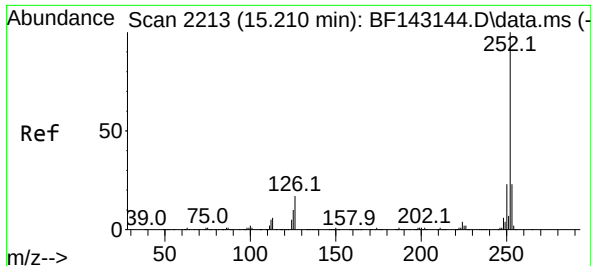
Tgt Ion:276 Resp: 914626
Ion Ratio Lower Upper
276 100
138 27.2 21.8 32.6
277 25.0 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 37.554 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 742346
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.0 8.0 12.0

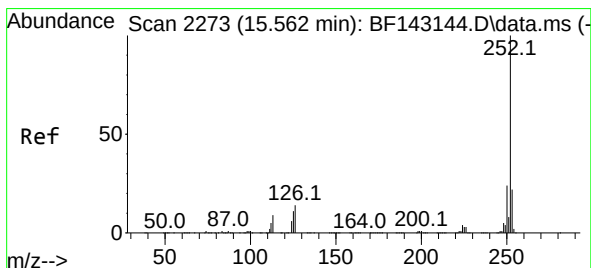
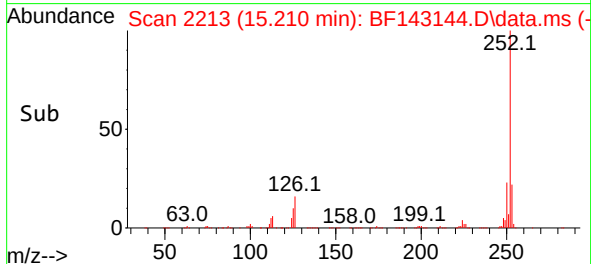
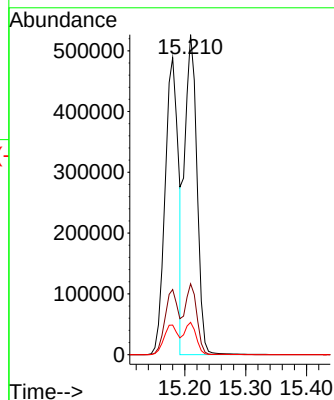
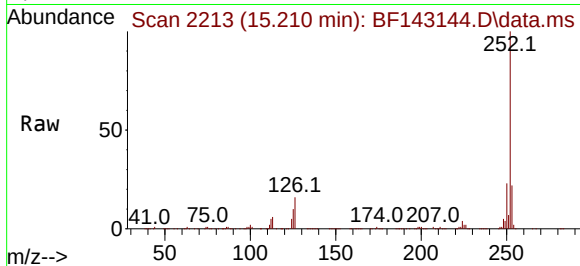




#89
Benzo(k)fluoranthene
Concen: 41.591 ng
RT: 15.210 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

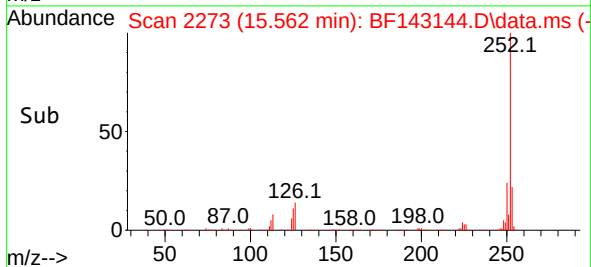
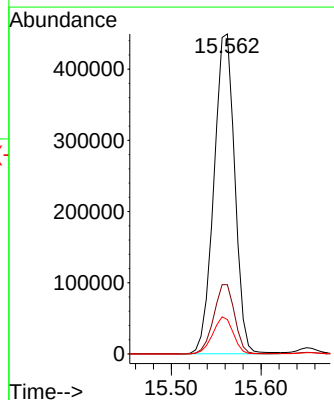
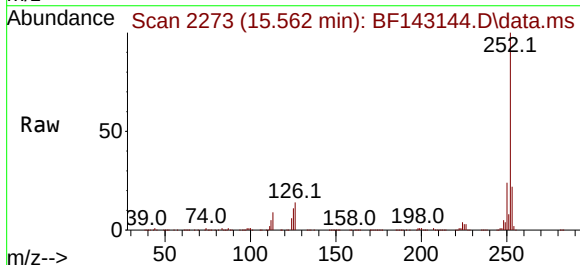
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

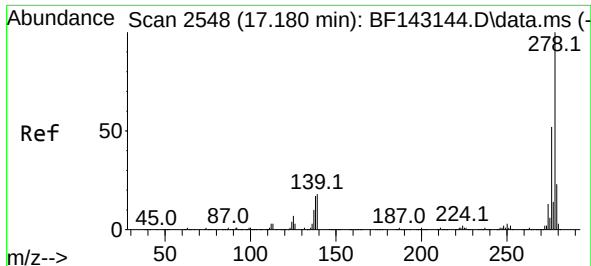
Tgt Ion:252 Resp: 733635
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 10.1 8.1 12.1



#90
Benzo(a)pyrene
Concen: 39.826 ng
RT: 15.562 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 725344
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 10.8 8.6 13.0

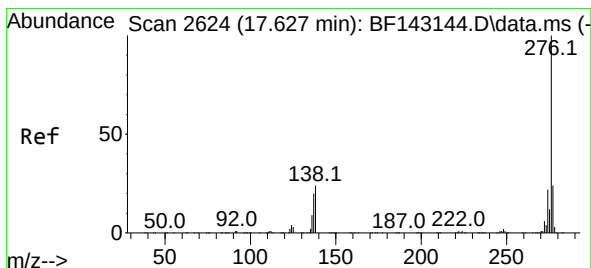
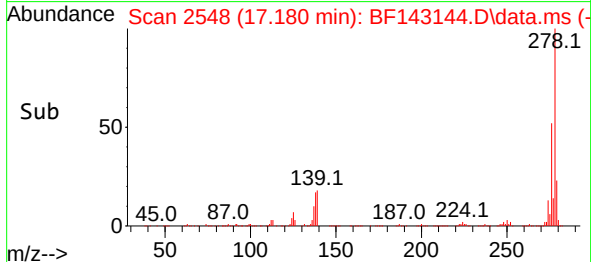
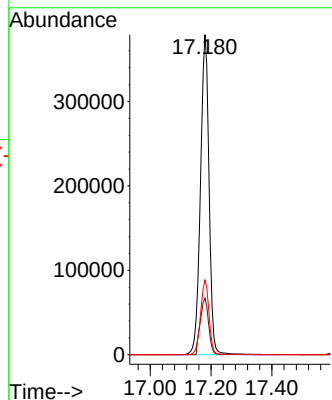
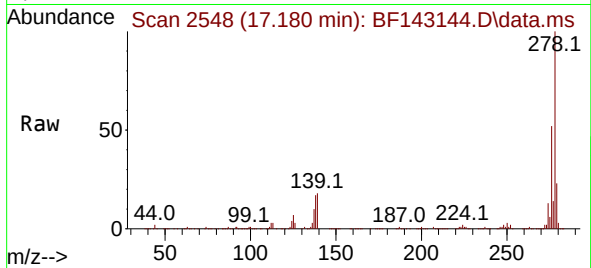




#91
 Dibenzo(a,h)anthracene
 Concen: 39.964 ng
 RT: 17.180 min Scan# 2548
 Delta R.T. 0.000 min
 Lab File: BF143144.D
 Acq: 17 Jul 2025 13:03

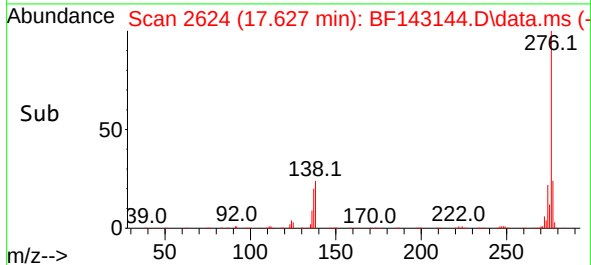
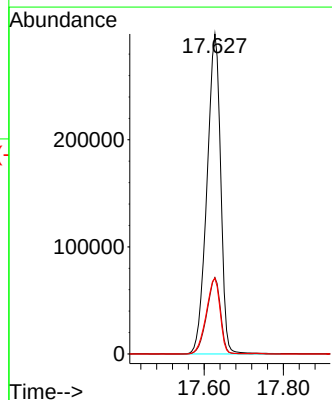
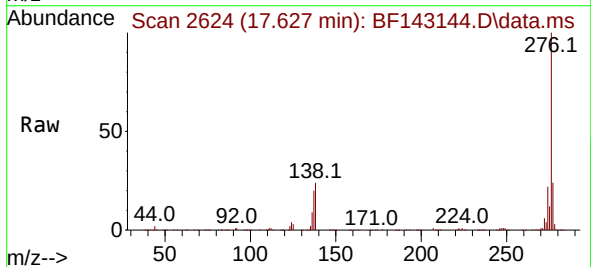
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Tgt Ion:278 Resp: 742180
 Ion Ratio Lower Upper
 278 100
 139 17.6 14.1 21.1
 279 23.3 18.6 28.0



#92
 Benzo(g,h,i)perylene
 Concen: 39.949 ng
 RT: 17.627 min Scan# 2624
 Delta R.T. 0.000 min
 Lab File: BF143144.D
 Acq: 17 Jul 2025 13:03

Tgt Ion:276 Resp: 717648
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.1 28.7
 138 23.6 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143145.D
 Acq On : 17 Jul 2025 13:33
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Jul 17 15:04:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	144385	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	555536	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	283657	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	447089	20.000	ng	0.00
76) Chrysene-d12	14.121	240	247878	20.000	ng	0.00
86) Perylene-d12	15.621	264	282289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	927268	101.629	ng	0.00
7) Phenol-d6	6.587	99	1178468	102.615	ng	0.00
23) Nitrobenzene-d5	7.528	82	1158494	103.949	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	309465	105.607	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2005894	96.712	ng	0.00
79) Terphenyl-d14	13.068	244	1663033	99.838	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.816	88	225749	52.289	ng	100
3) Pyridine	3.587	79	584060	52.122	ng	99
4) n-Nitrosodimethylamine	3.534	42	307202	53.098	ng	100
6) Aniline	6.628	93	827275	51.687	ng	100
8) 2-Chlorophenol	6.751	128	493989	51.652	ng	98
9) Benzaldehyde	6.516	77	509476	59.162	ng	99
10) Phenol	6.598	94	678372	54.222	ng	99
11) bis(2-Chloroethyl)ether	6.698	93	491371	51.295	ng	99
12) 1,3-Dichlorobenzene	6.910	146	529202	50.937	ng	99
13) 1,4-Dichlorobenzene	6.981	146	531696	50.818	ng	99
14) 1,2-Dichlorobenzene	7.134	146	510140	51.264	ng	100
15) Benzyl Alcohol	7.098	79	461379	52.616	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	908530	51.128	ng	99
17) 2-Methylphenol	7.204	107	418793	52.079	ng	100
18) Hexachloroethane	7.481	117	189394	52.289	ng	99
19) n-Nitroso-di-n-propyla...	7.381	70	369367	50.131	ng	99
20) 3+4-Methylphenols	7.363	107	506069	51.870	ng	# 89
22) Acetophenone	7.369	105	661017	50.258	ng	98
24) Nitrobenzene	7.545	77	538666	51.843	ng	100
25) Isophorone	7.786	82	1018783	51.783	ng	99
26) 2-Nitrophenol	7.857	139	252169	55.920	ng	98
27) 2,4-Dimethylphenol	7.892	122	469819	51.112	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	597241	50.631	ng	100
29) 2,4-Dichlorophenol	8.098	162	401336	51.773	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	420763	50.242	ng	99
31) Naphthalene	8.269	128	1369627	50.060	ng	100
32) Benzoic acid	7.998	122	263494	50.647	ng	99
33) 4-Chloroaniline	8.310	127	566422	50.703	ng	99
34) Hexachlorobutadiene	8.392	225	260787	50.976	ng	99
35) Caprolactam	8.680	113	126050	53.811	ng	96
36) 4-Chloro-3-methylphenol	8.786	107	431745	51.242	ng	98
37) 2-Methylnaphthalene	8.957	142	837820	50.324	ng	100
38) 1-Methylnaphthalene	9.057	142	862300	50.298	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	412916	50.420	ng	100
41) Hexachlorocyclopentadiene	9.116	237	286805	53.823	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	304466	53.718	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143145.D
 Acq On : 17 Jul 2025 13:33
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

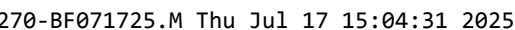
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 ClientSampleId :
 SSTDICC050

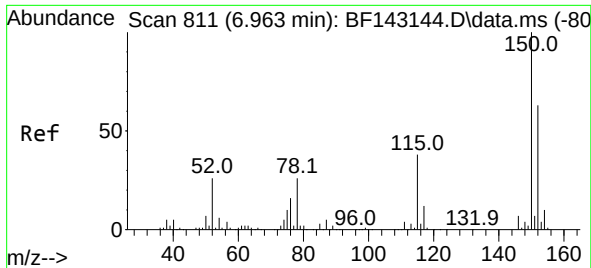
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	291607	51.434	ng	99
46) 1,1'-Biphenyl	9.422	154	1101317	49.764	ng	99
47) 2-Chloronaphthalene	9.445	162	826749	50.488	ng	100
48) 2-Nitroaniline	9.533	65	281082	54.736	ng	99
49) Acenaphthylene	9.863	152	1388721	50.605	ng	100
50) Dimethylphthalate	9.716	163	939863	50.832	ng	100
51) 2,6-Dinitrotoluene	9.775	165	205147	54.541	ng	98
52) Acenaphthene	10.033	154	818783	50.481	ng	100
53) 3-Nitroaniline	9.945	138	236959	53.861	ng	99
54) 2,4-Dinitrophenol	10.045	184	81983	50.750	ng	98
55) Dibenzofuran	10.204	168	1204088	50.001	ng	99
56) 4-Nitrophenol	10.086	139	177408	54.001	ng	98
57) 2,4-Dinitrotoluene	10.180	165	264045	55.954	ng	95
58) Fluorene	10.551	166	891646	49.335	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	248745	52.965	ng	100
60) Diethylphthalate	10.416	149	942625	51.580	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	449168	49.911	ng	99
62) 4-Nitroaniline	10.557	138	205210	54.424	ng	99
63) Azobenzene	10.698	77	966931	50.766	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	122876	51.927	ng	100
66) n-Nitrosodiphenylamine	10.657	169	811422	51.540	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	275679	51.741	ng	98
68) Hexachlorobenzene	11.098	284	288405	51.788	ng	100
69) Atrazine	11.180	200	232907	53.662	ng	99
70) Pentachlorophenol	11.286	266	178753	54.581	ng	99
71) Phenanthrene	11.510	178	1194582	50.321	ng	100
72) Anthracene	11.563	178	1223920	50.552	ng	100
73) Carbazole	11.710	167	1076803	50.934	ng	100
74) Di-n-butylphthalate	12.045	149	1250841	52.290	ng	100
75) Fluoranthene	12.698	202	1093890	50.203	ng	100
77) Benzidine	12.810	184	431944	45.229	ng	100
78) Pyrene	12.927	202	1078520	50.982	ng	100
80) Butylbenzylphthalate	13.539	149	360698	55.681	ng	98
81) Benzo(a)anthracene	14.110	228	880975	53.085	ng	99
82) 3,3'-Dichlorobenzidine	14.068	252	294836	53.305	ng	99
83) Chrysene	14.151	228	754953	50.597	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	534128	54.475	ng	100
85) Di-n-octyl phthalate	14.715	149	960309	54.032	ng	99
87) Indeno(1,2,3-cd)pyrene	17.168	276	1061877	53.347	ng	99
88) Benzo(b)fluoranthene	15.180	252	953990	55.319	ng	100
89) Benzo(k)fluoranthene	15.209	252	754417	49.024	ng	99
90) Benzo(a)pyrene	15.562	252	840968	52.928	ng	100
91) Dibenzo(a,h)anthracene	17.186	278	861467	53.172	ng	99
92) Benzo(g,h,i)perylene	17.633	276	843865	53.845	ng	100

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

Quant Time: Jul 17 15:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

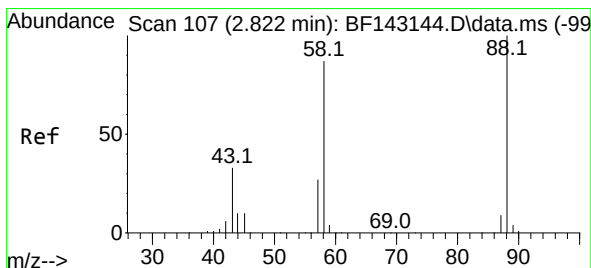
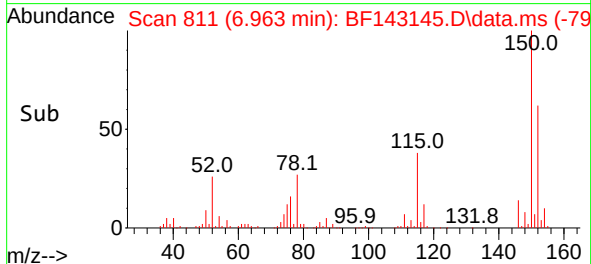
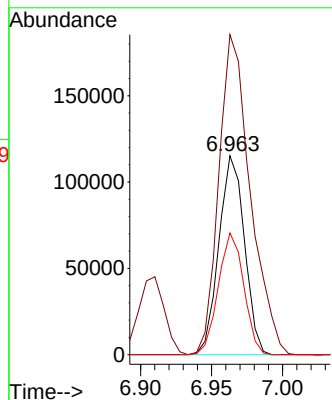
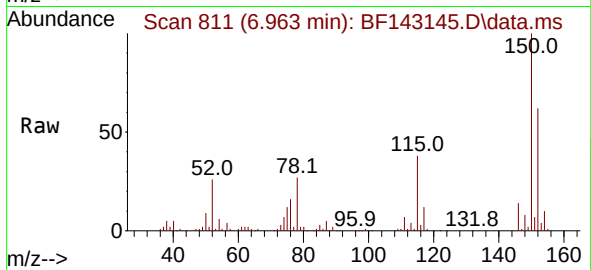




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

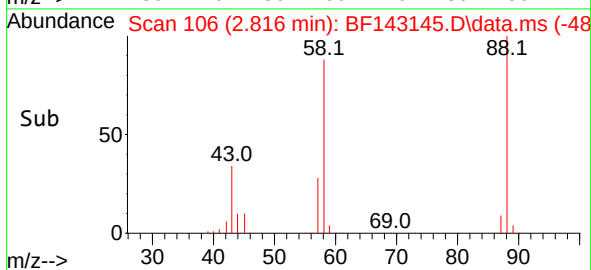
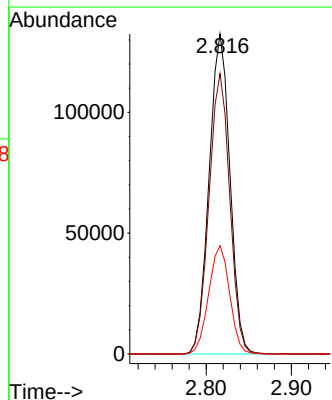
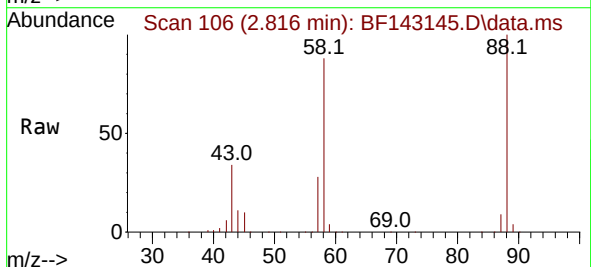
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

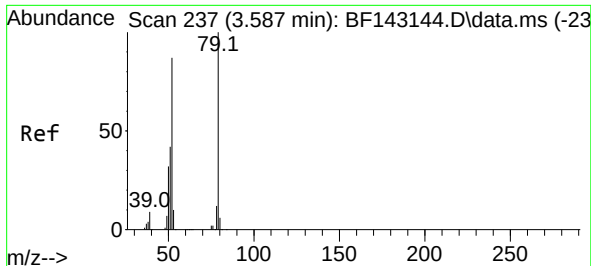
Tgt Ion:152 Resp: 144385
Ion Ratio Lower Upper
152 100
150 160.9 128.2 192.4
115 61.2 47.9 71.9



#2
1,4-Dioxane
Concen: 52.289 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 88 Resp: 225749
Ion Ratio Lower Upper
88 100
58 87.3 70.2 105.2
43 34.0 27.1 40.7





#3

Pyridine

Concen: 52.122 ng

RT: 3.587 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

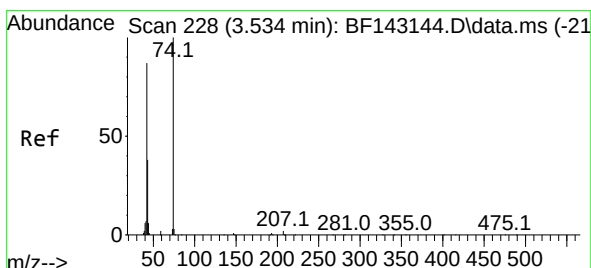
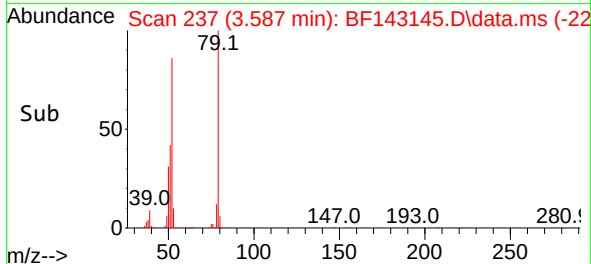
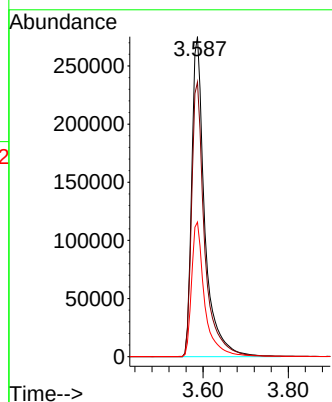
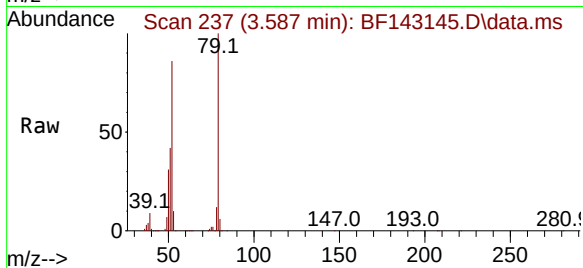
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 584060

Ion	Ratio	Lower	Upper
79	100		
52	85.8	69.4	104.2
51	42.0	33.5	50.3



#4

n-Nitrosodimethylamine

Concen: 53.098 ng

RT: 3.534 min Scan# 228

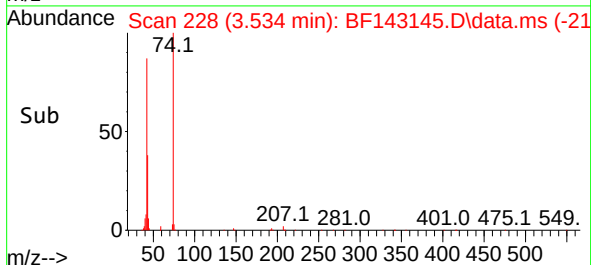
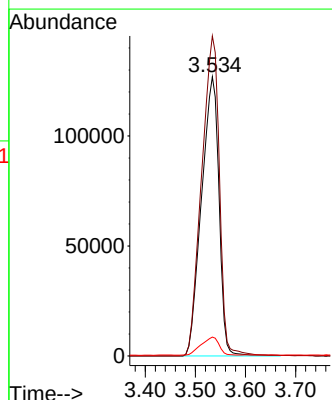
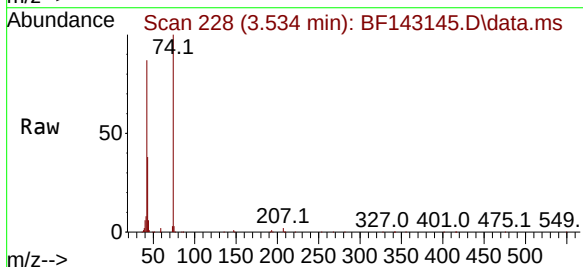
Delta R.T. -0.000 min

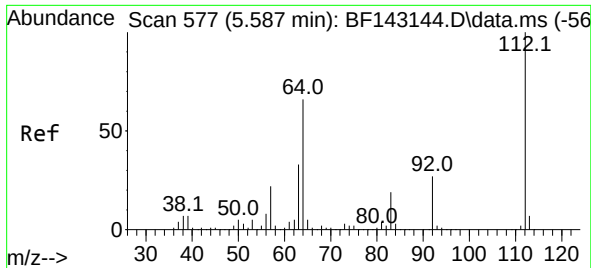
Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Tgt Ion: 42 Resp: 307202

Ion	Ratio	Lower	Upper
42	100		
74	114.6	91.7	137.5
44	6.8	5.6	8.4

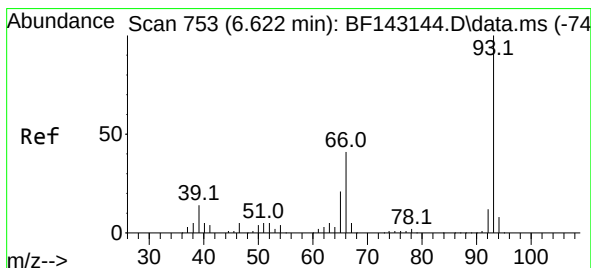
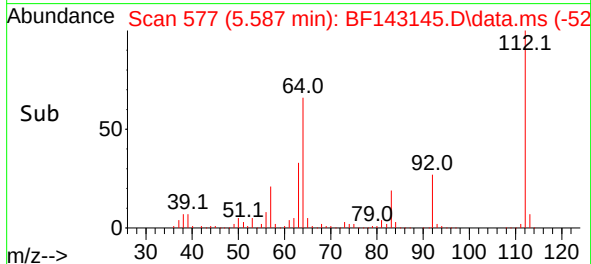
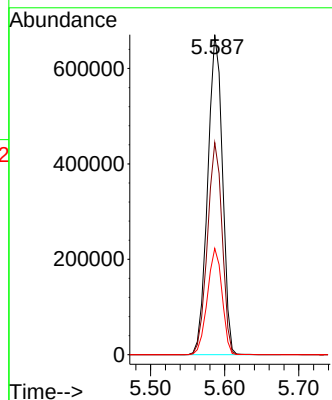
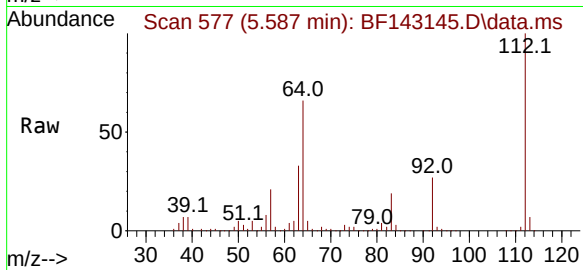




#5
2-Fluorophenol
Concen: 101.629 ng
RT: 5.587 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

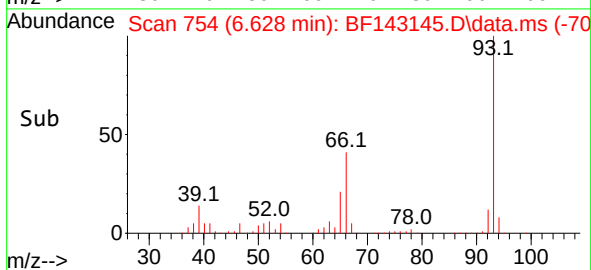
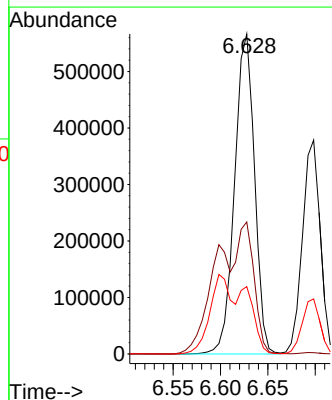
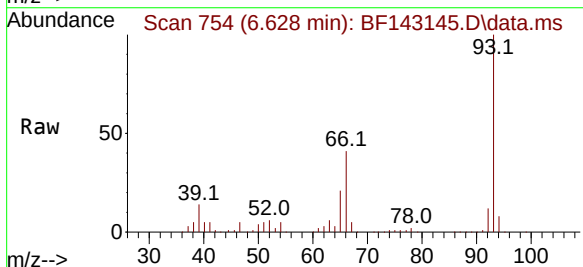
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

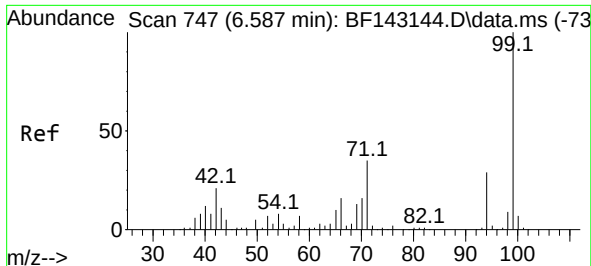
Tgt Ion:112 Resp: 927268
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.2 26.6 40.0



#6
Aniline
Concen: 51.687 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 93 Resp: 827275
Ion Ratio Lower Upper
93 100
66 41.2 33.2 49.8
65 21.1 16.9 25.3

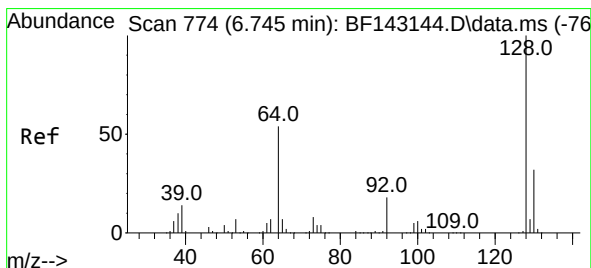
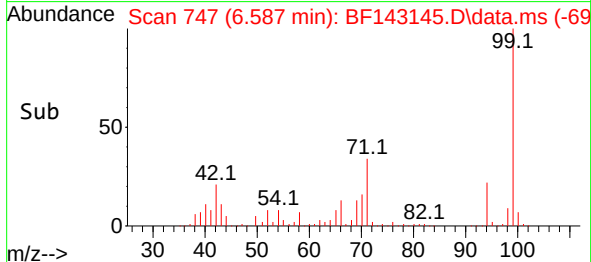
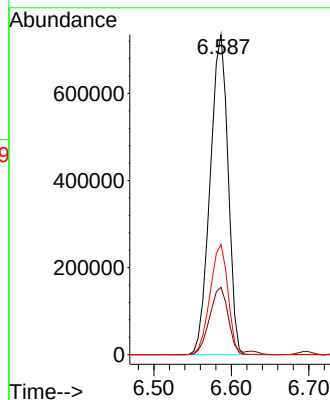
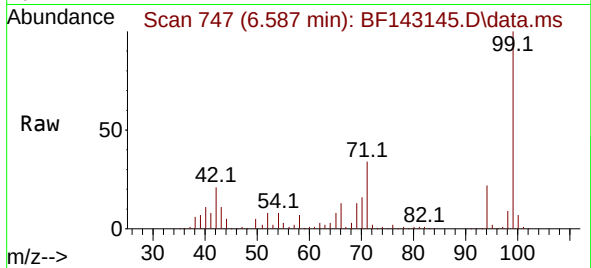




#7
Phenol-d6
Concen: 102.615 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

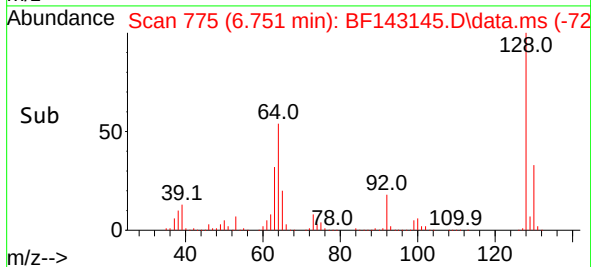
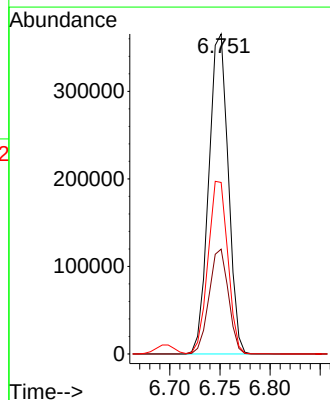
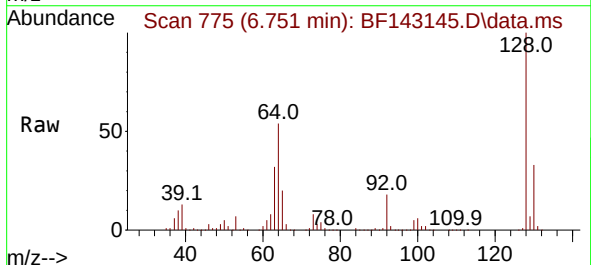
Instrument :
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ClientSampleId :
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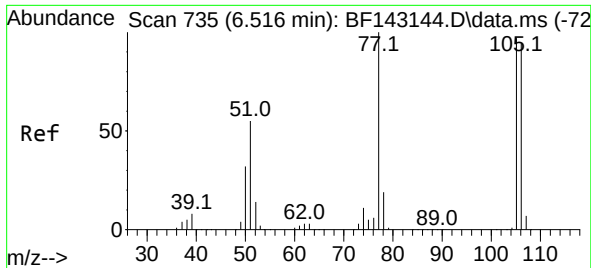
Tgt Ion: 99 Resp: 1178468
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.4 27.7 41.5



#8
2-Chlorophenol
Concen: 51.652 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:128 Resp: 493989
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 53.6 35.9 75.9

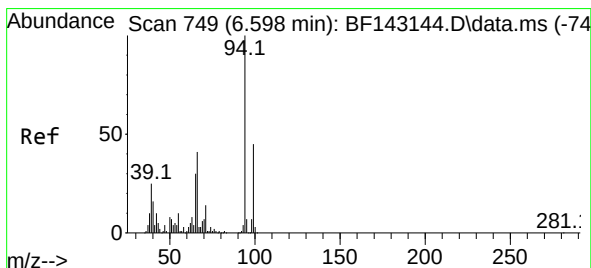
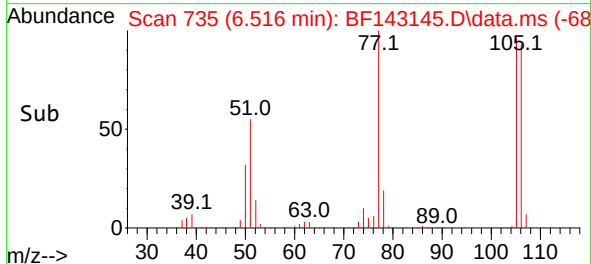
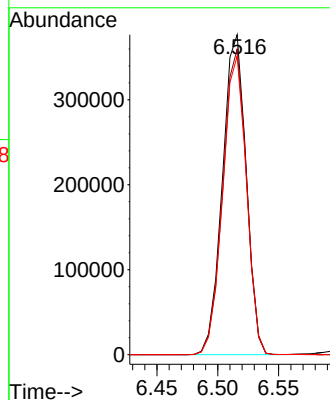
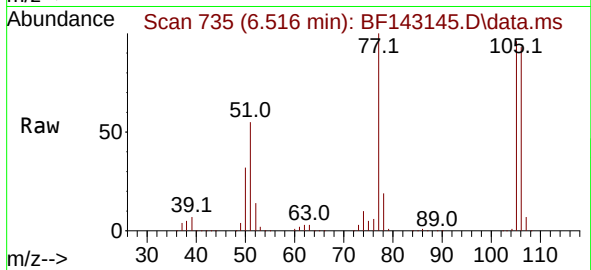




#9
Benzaldehyde
Concen: 59.162 ng
RT: 6.516 min Scan# 714
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

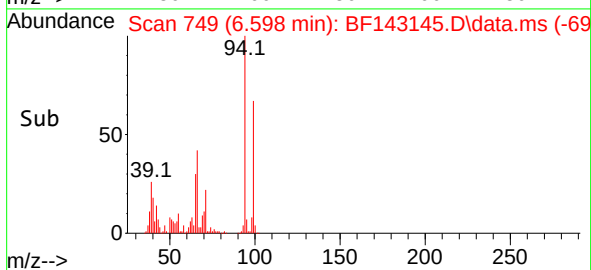
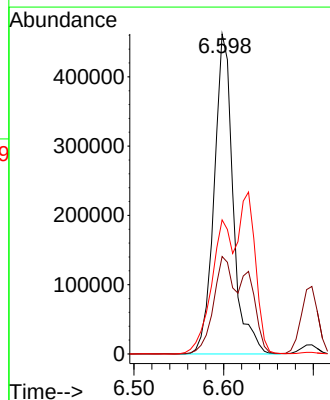
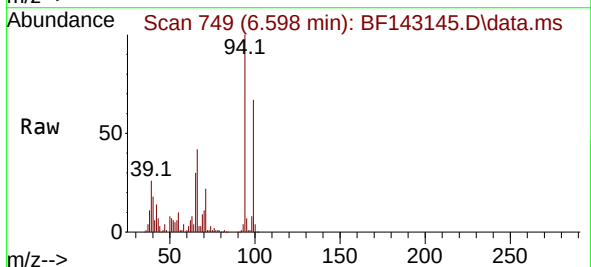
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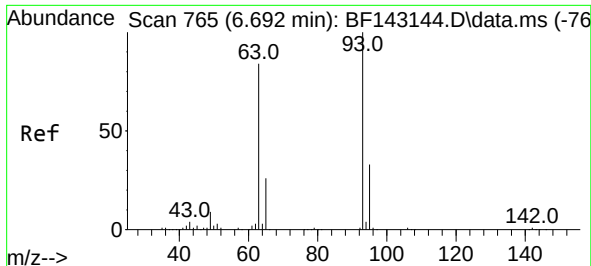
Tgt Ion: 77 Resp: 509476
Ion Ratio Lower Upper
77 100
105 95.5 76.8 116.8
106 93.3 74.4 114.4



#10
Phenol
Concen: 54.222 ng
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 94 Resp: 678372
Ion Ratio Lower Upper
94 100
65 30.5 10.0 50.0
66 41.9 20.8 60.8

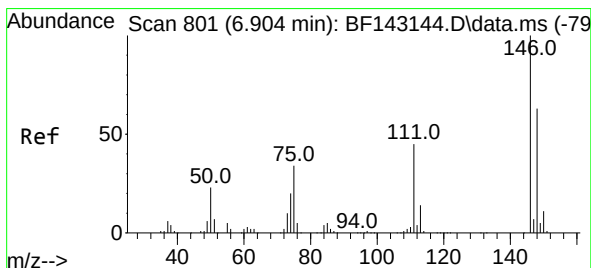
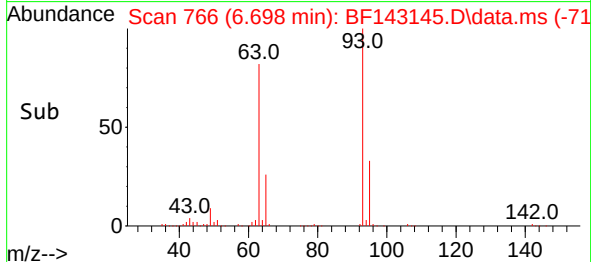
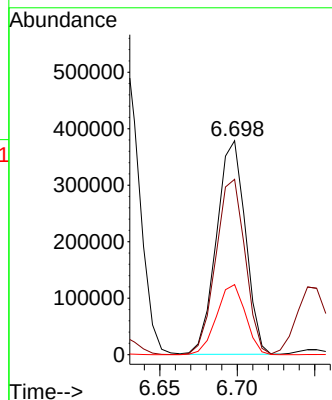
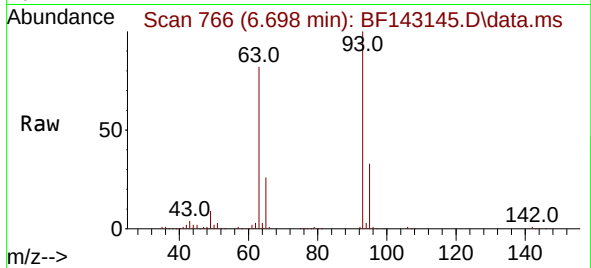




#11
bis(2-Chloroethyl)ether
Concen: 51.295 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

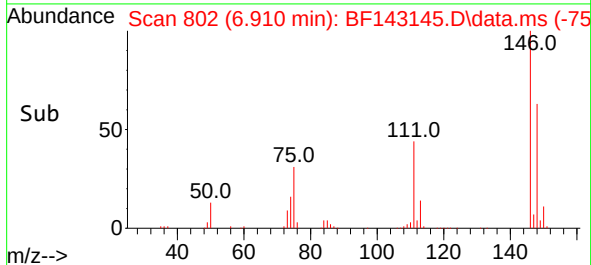
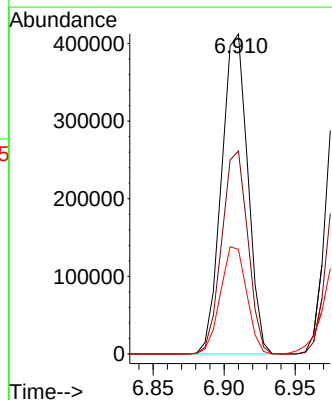
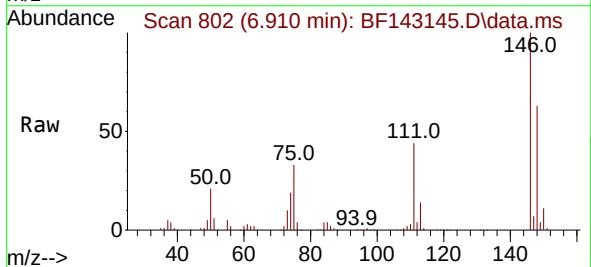
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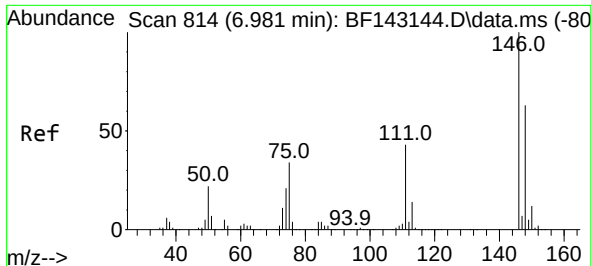
Tgt Ion: 93 Resp: 491371
Ion Ratio Lower Upper
93 100
63 82.0 63.4 103.4
95 32.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 50.937 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:146 Resp: 529202
Ion Ratio Lower Upper
146 100
148 63.4 50.6 76.0
75 32.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 50.818 ng

RT: 6.981 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

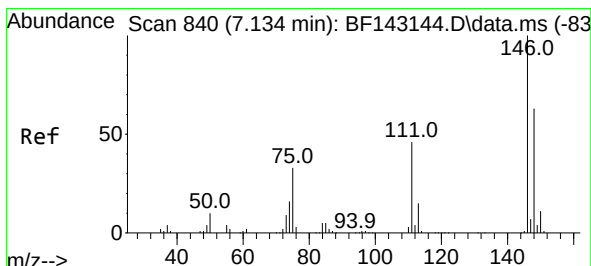
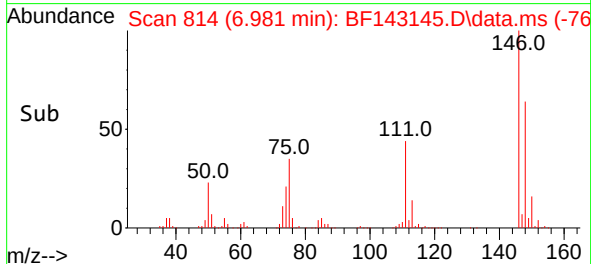
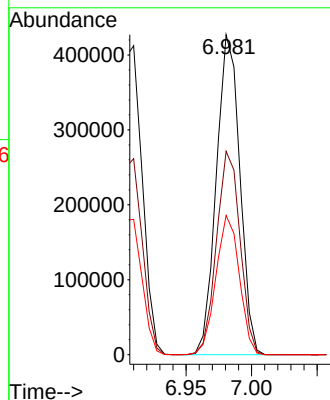
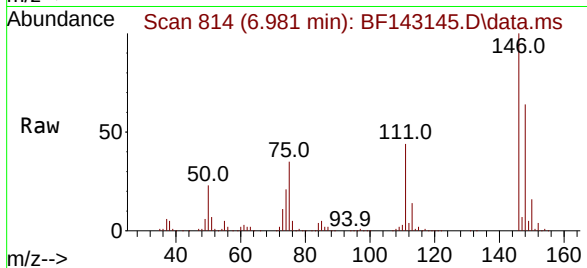
Tgt Ion:146 Resp: 531696

Ion Ratio Lower Upper

146 100

148 63.6 50.3 75.5

111 43.5 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 51.264 ng

RT: 7.134 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

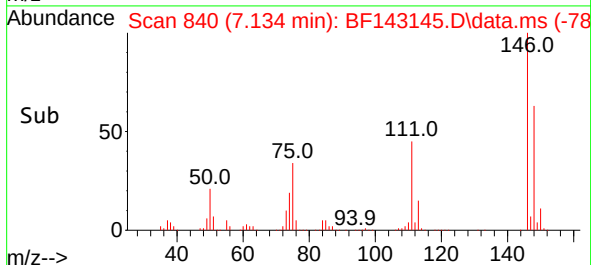
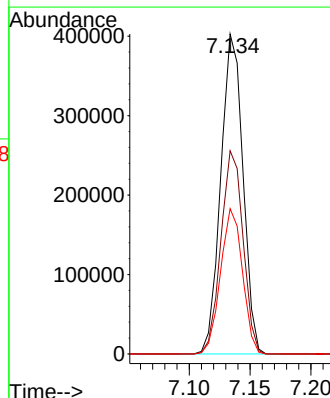
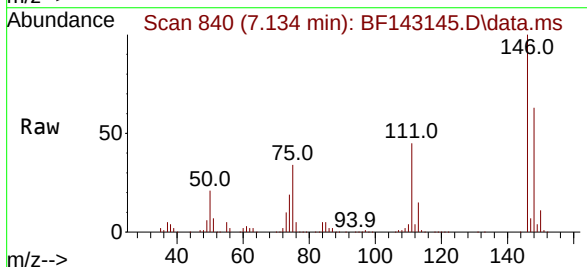
Tgt Ion:146 Resp: 510140

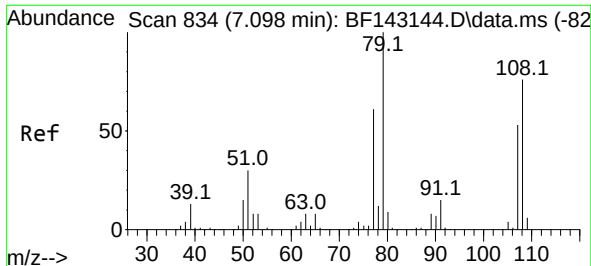
Ion Ratio Lower Upper

146 100

148 63.5 50.7 76.1

111 45.4 36.6 54.8



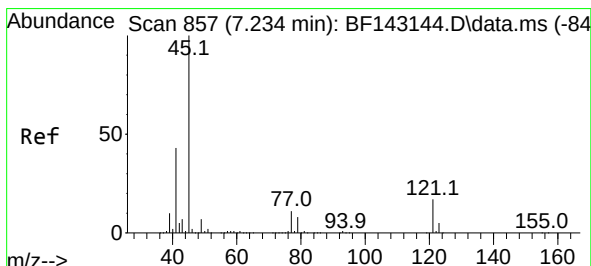
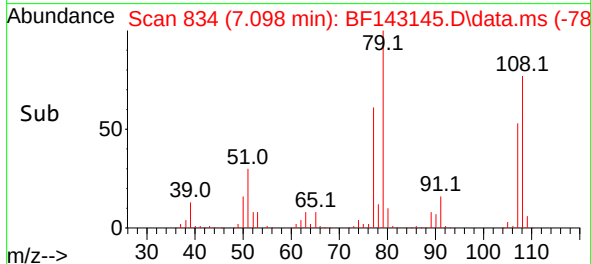
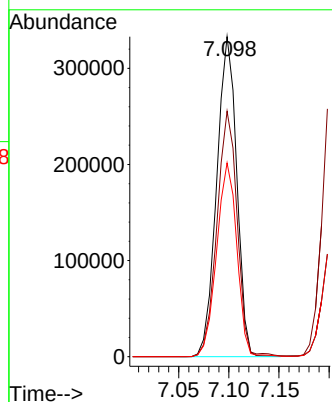
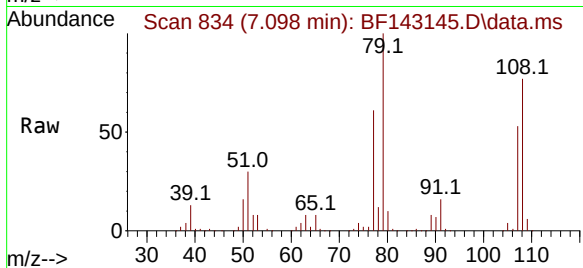


#15
Benzyl Alcohol
Concen: 52.616 ng
RT: 7.098 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 461379

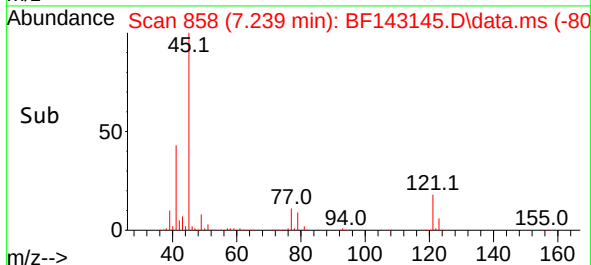
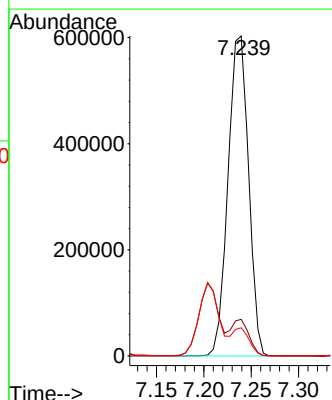
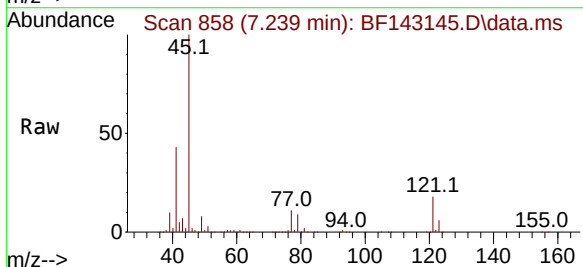
Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.1	91.7
77	60.6	48.9	73.3

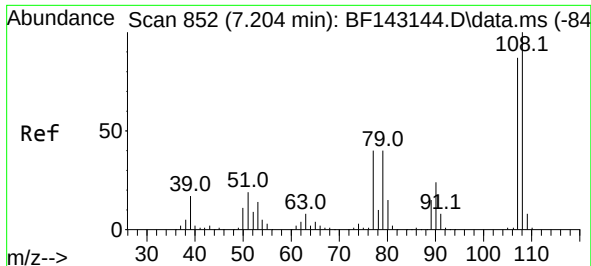


#16
2,2'-oxybis(1-chloropropane)
Concen: 51.128 ng
RT: 7.239 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 45 Resp: 908530

Ion	Ratio	Lower	Upper
45	100		
77	11.4	0.0	31.2
79	8.8	0.0	28.5



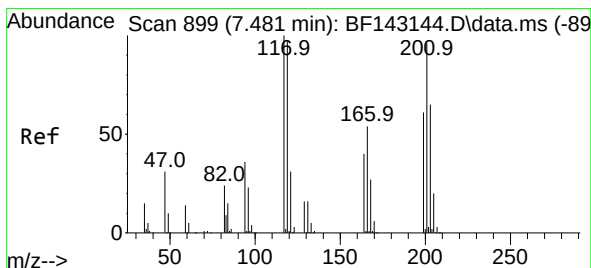
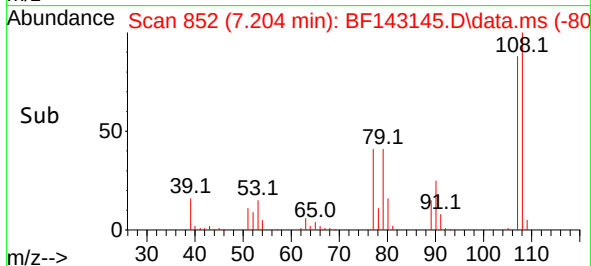
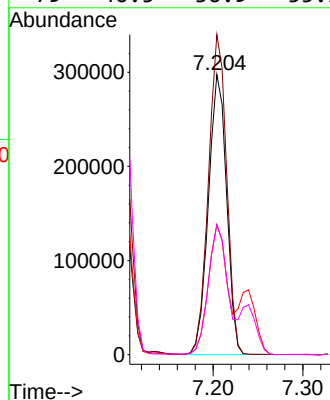
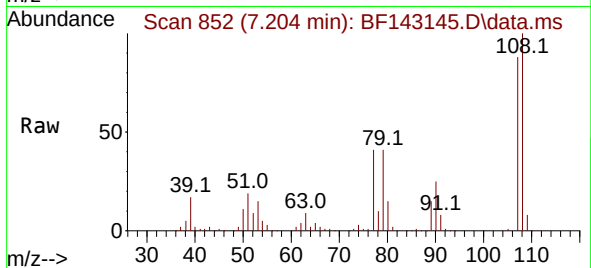


#17
2-Methylphenol
Concen: 52.079 ng
RT: 7.204 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 418793

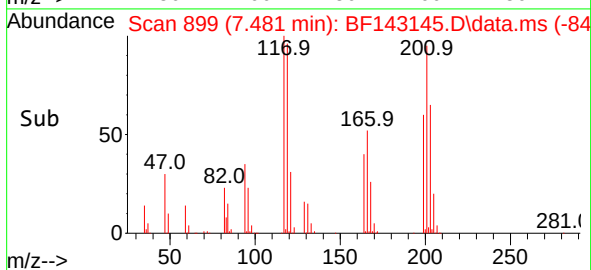
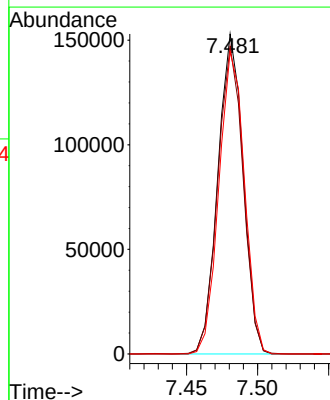
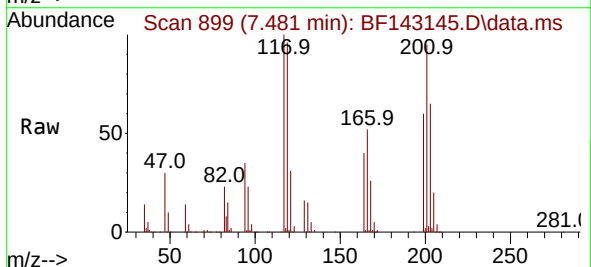
Ion	Ratio	Lower	Upper
107	100		
108	114.2	91.8	137.6
77	46.3	37.0	55.6
79	46.5	36.9	55.3

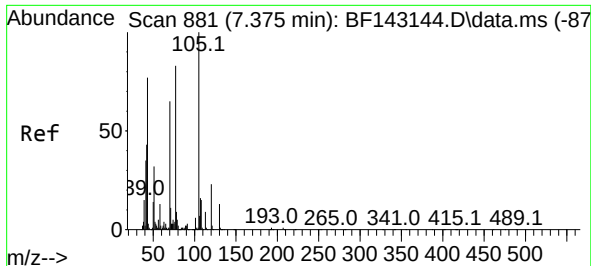


#18
Hexachloroethane
Concen: 52.289 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:117 Resp: 189394

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.8	116.8
201	94.5	77.0	115.4

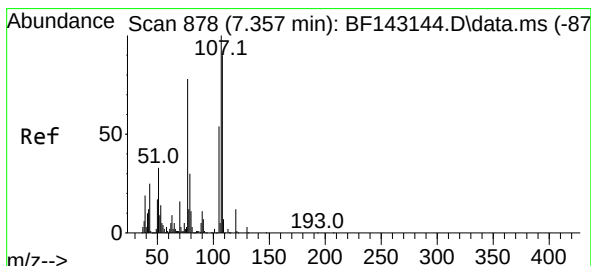
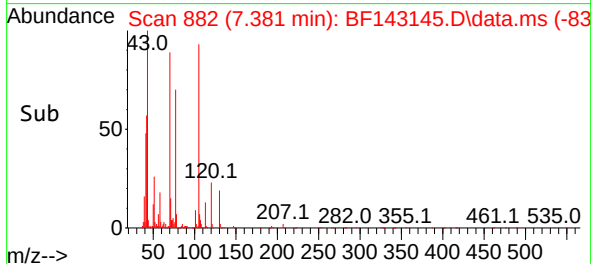
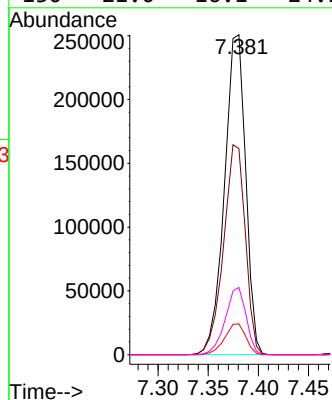
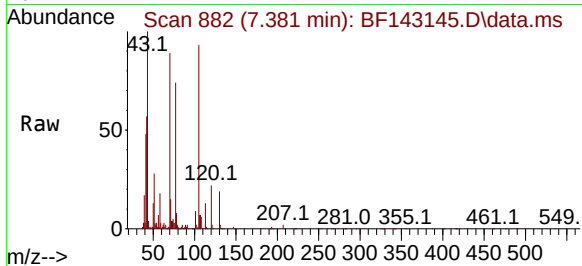




#19
n-Nitroso-di-n-propylamine
Concen: 50.131 ng
RT: 7.381 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

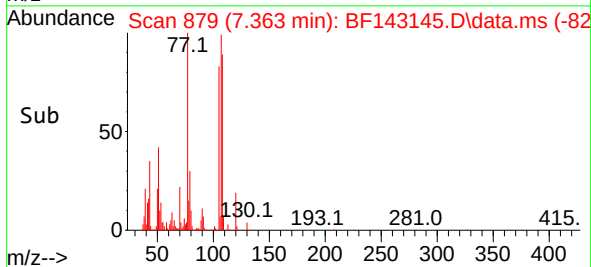
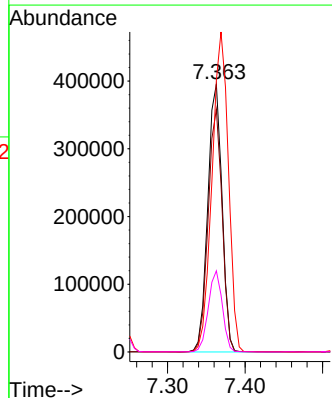
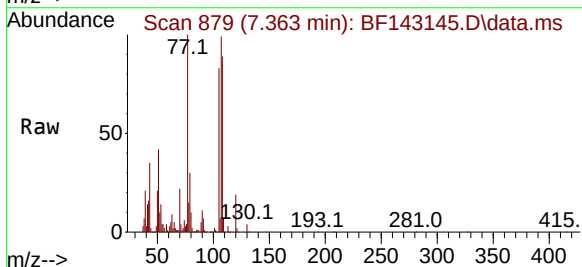
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

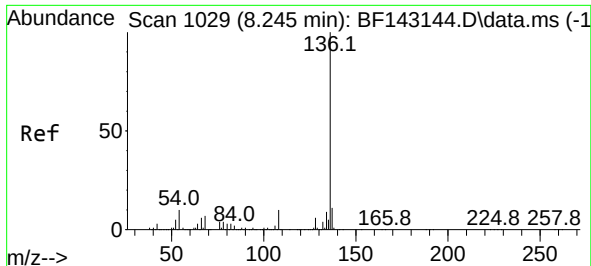
Tgt Ion:	70	Resp:	369367
Ion	Ratio	Lower	Upper
70	100		
42	64.4	52.5	78.7
101	9.7	7.6	11.4
130	21.0	16.1	24.1



#20
3+4-Methylphenols
Concen: 51.870 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:	107	Resp:	506069
Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.0	110.0
77	101.5	57.8	97.8#
79	30.3	9.5	49.5



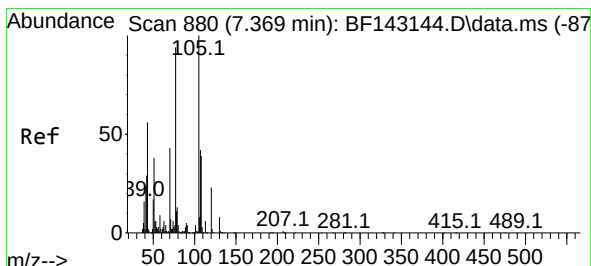
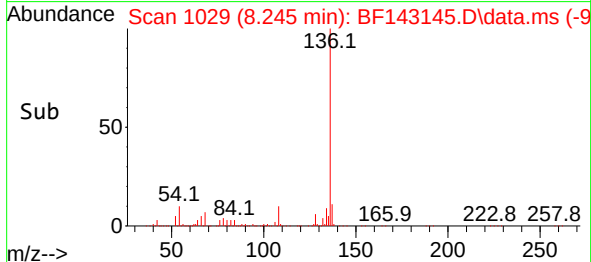
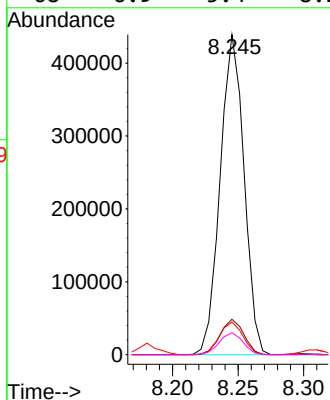
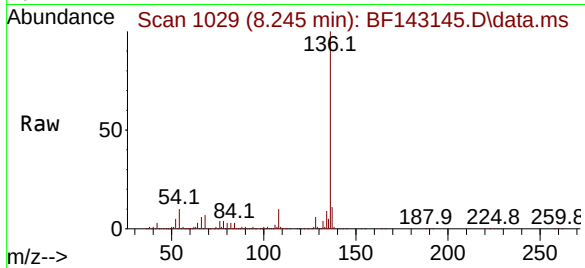


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 555536

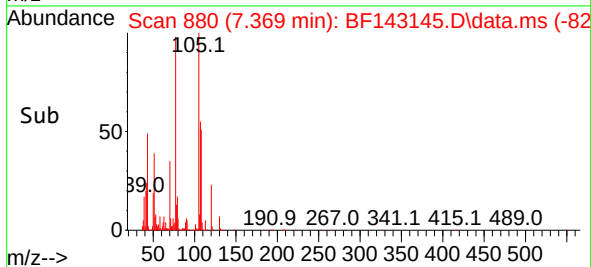
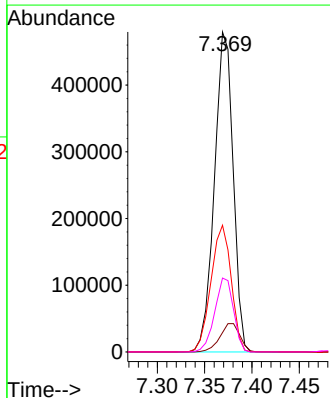
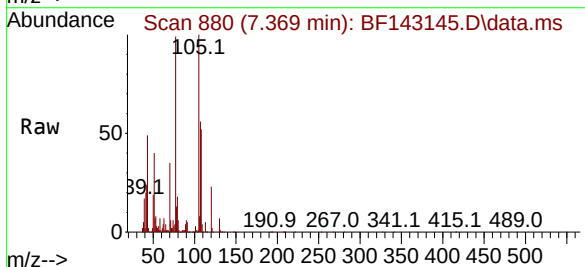
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.2	8.2	12.2
68	6.9	5.4	8.2

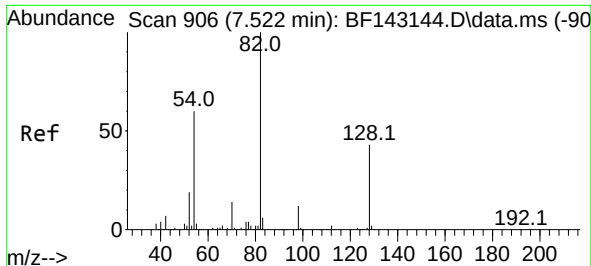


#22
Acetophenone
Concen: 50.258 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:105 Resp: 661017

Ion	Ratio	Lower	Upper
105	100		
71	6.0	5.8	8.6
51	39.6	30.2	45.2
120	23.1	18.2	27.4





#23

Nitrobenzene-d5

Concen: 103.949 ng

RT: 7.528 min Scan# 906

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

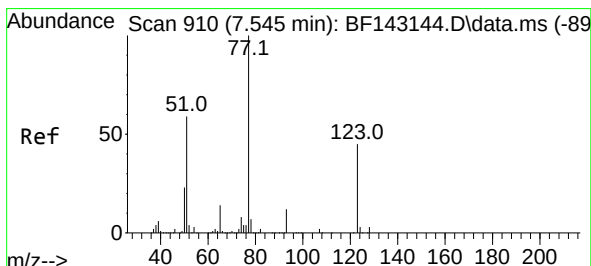
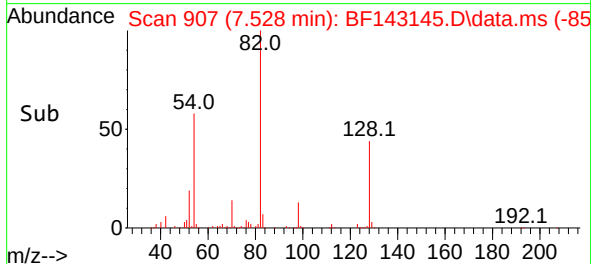
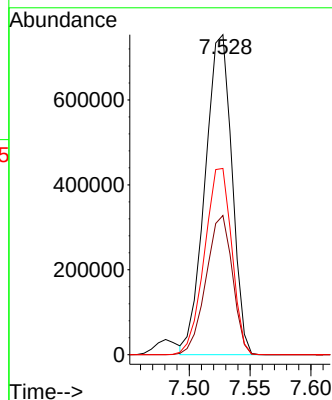
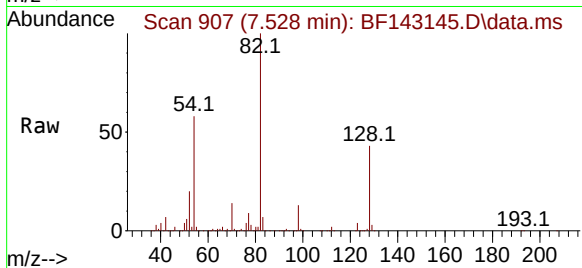
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1158494

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.6	50.4
54	58.2	47.1	70.7



#24

Nitrobenzene

Concen: 51.843 ng

RT: 7.545 min Scan# 910

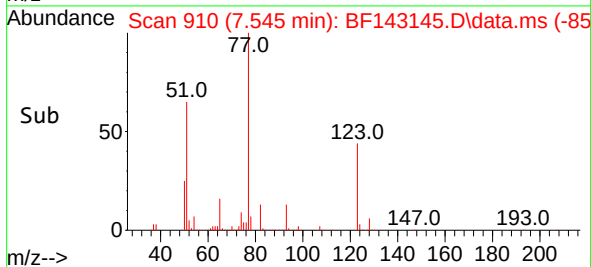
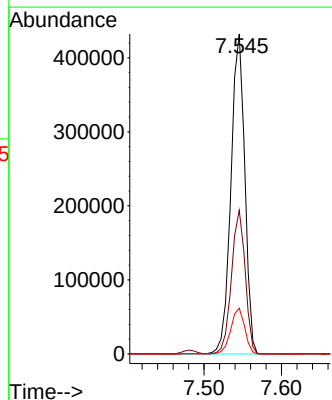
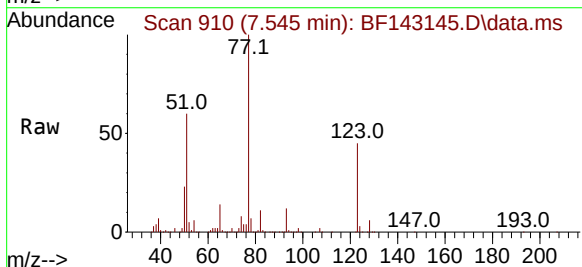
Delta R.T. -0.000 min

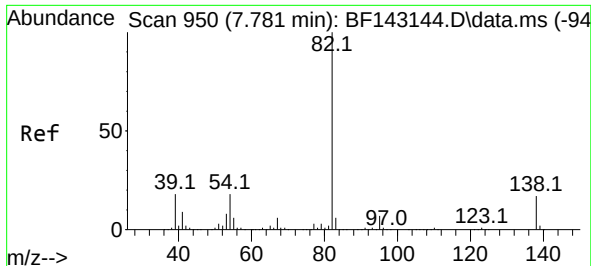
Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Tgt Ion: 77 Resp: 538666

Ion	Ratio	Lower	Upper
77	100		
123	44.9	36.1	54.1
65	14.3	11.4	17.2

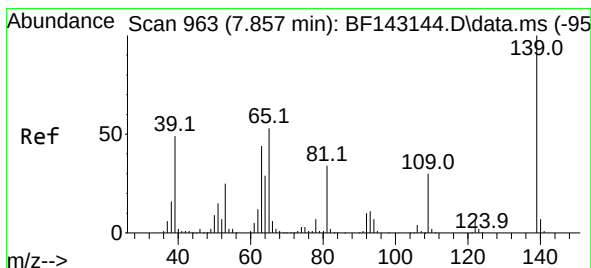
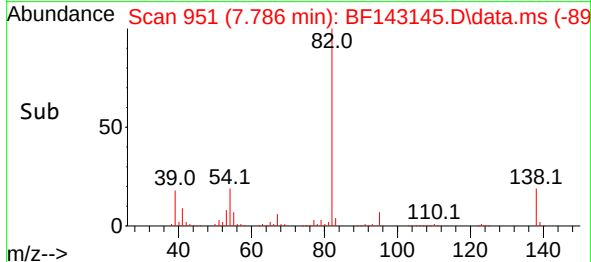
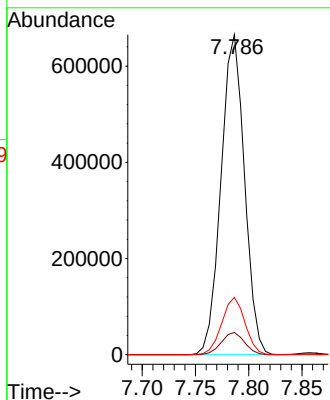
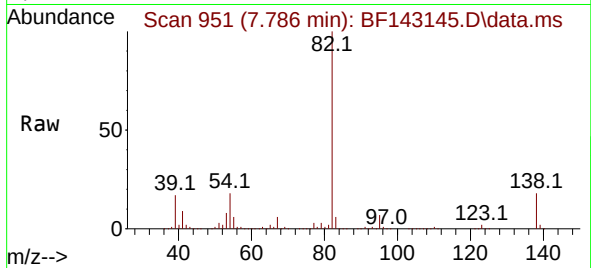




#25
Isophorone
Concen: 51.783 ng
RT: 7.786 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

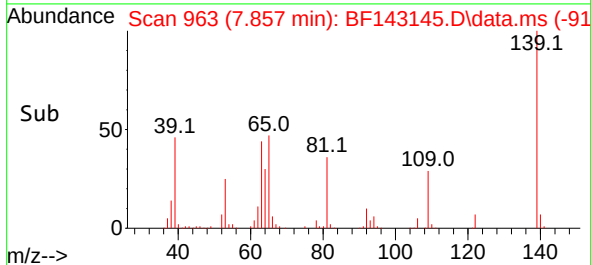
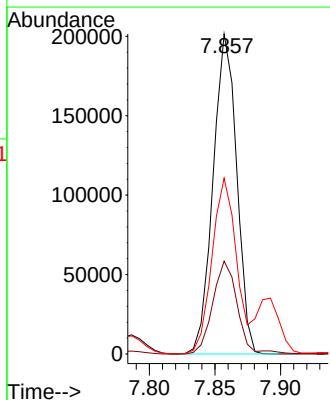
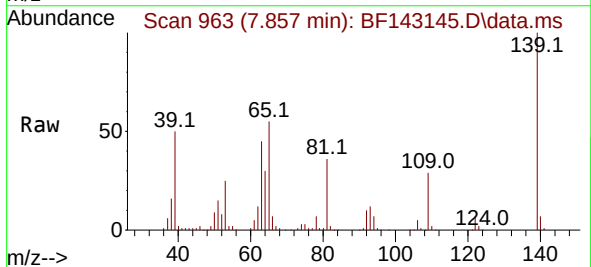
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

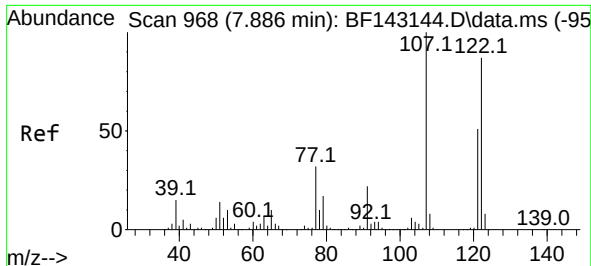
Tgt Ion: 82 Resp: 1018783
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.9 13.8 20.8



#26
2-Nitrophenol
Concen: 55.920 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:139 Resp: 252169
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 55.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 51.112 ng

RT: 7.892 min Scan# 968

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

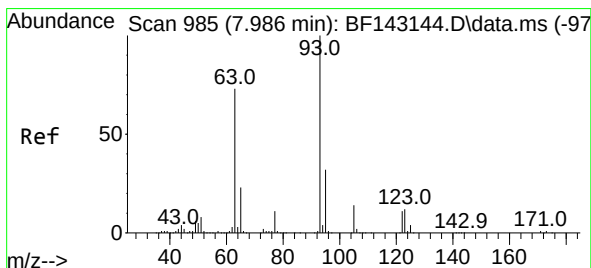
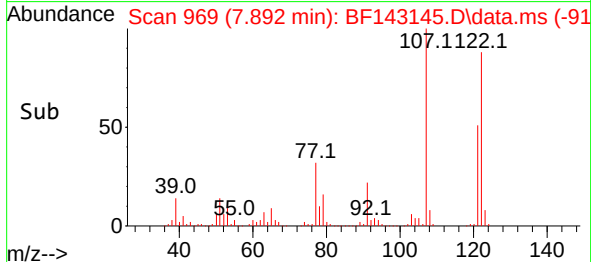
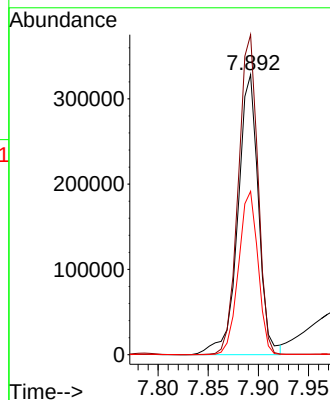
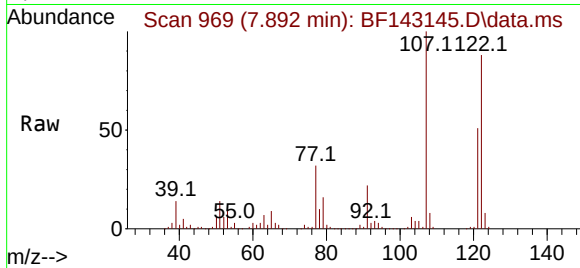
Tgt Ion:122 Resp: 469819

Ion Ratio Lower Upper

122 100

107 114.3 91.8 137.6

121 58.4 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 50.631 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

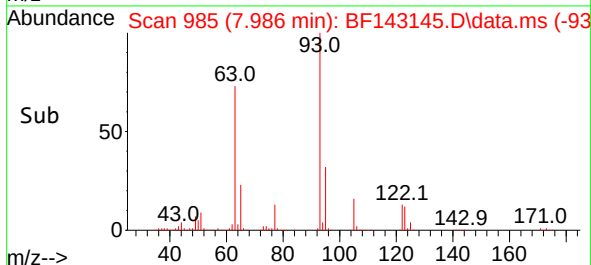
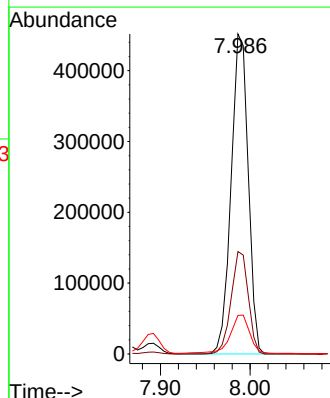
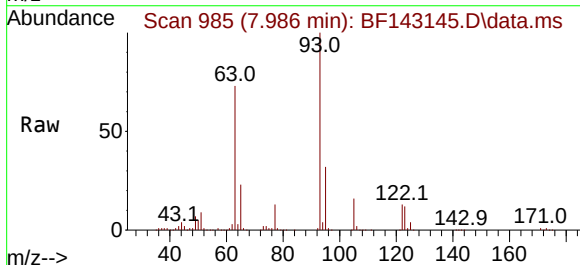
Tgt Ion: 93 Resp: 597241

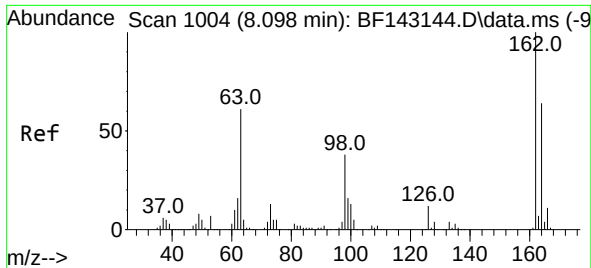
Ion Ratio Lower Upper

93 100

95 32.0 25.8 38.6

123 12.1 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 51.773 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

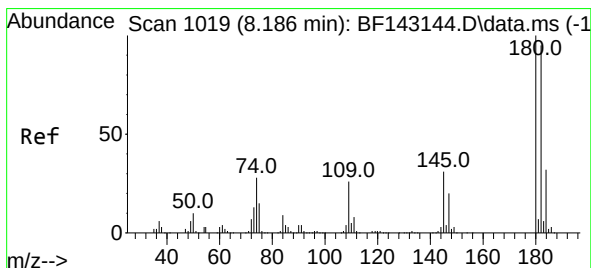
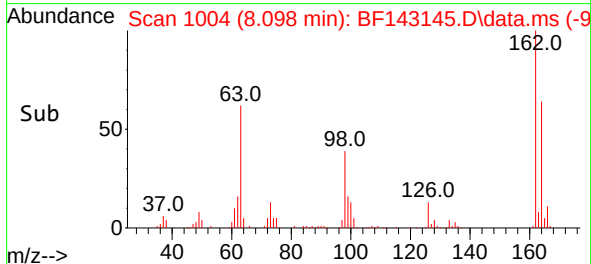
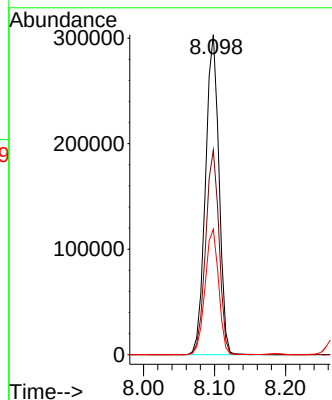
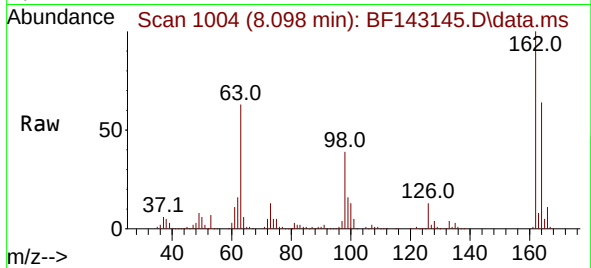
Tgt Ion:162 Resp: 401336

Ion Ratio Lower Upper

162 100

164 64.0 44.2 84.2

98 39.2 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 50.242 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

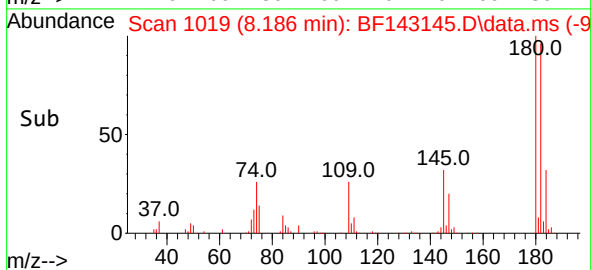
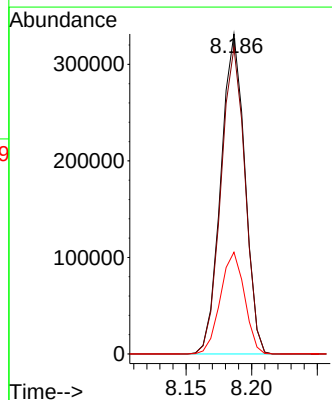
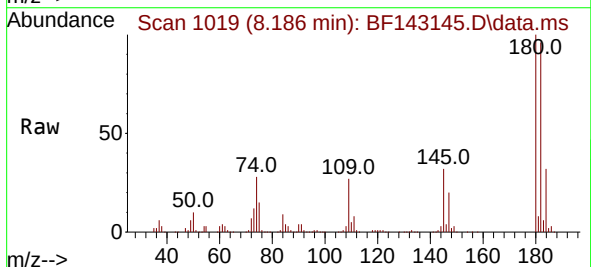
Tgt Ion:180 Resp: 420763

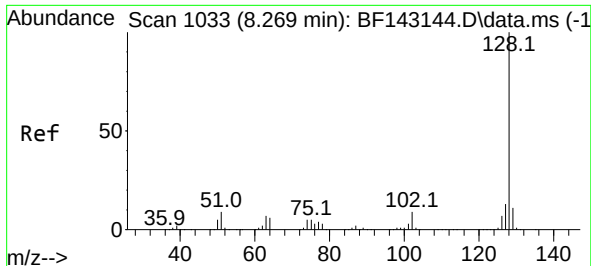
Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.2

145 31.8 25.0 37.6

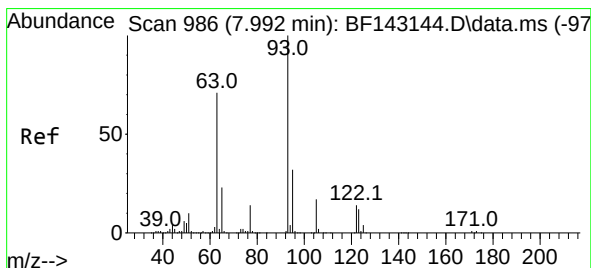
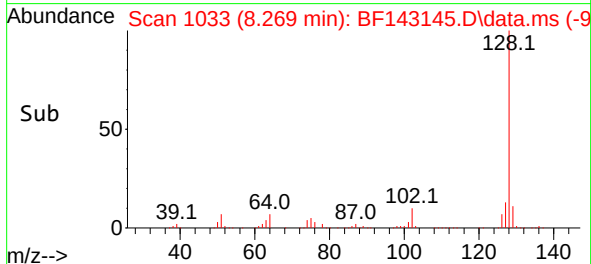
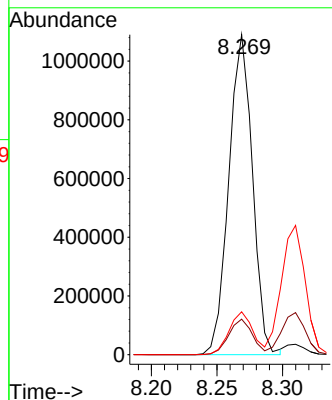
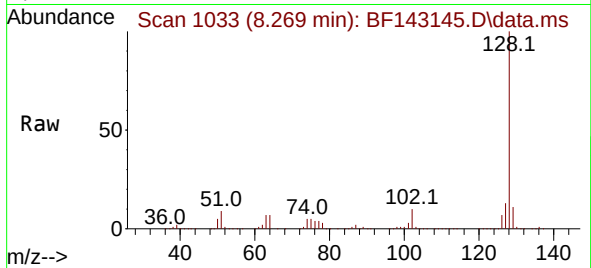




#31
Naphthalene
Concen: 50.060 ng
RT: 8.269 min Scan# 1033
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

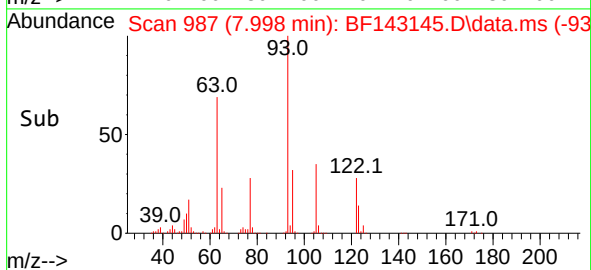
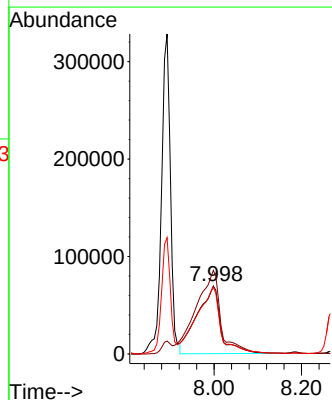
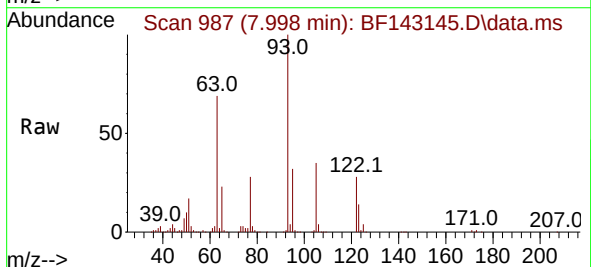
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

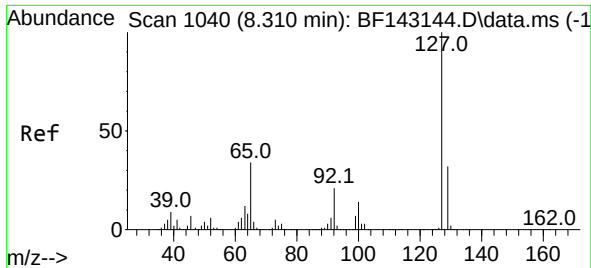
Tgt Ion:128 Resp: 1369627
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 50.647 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:122 Resp: 263494
Ion Ratio Lower Upper
122 100
105 123.0 104.8 144.8
77 98.4 77.6 117.6

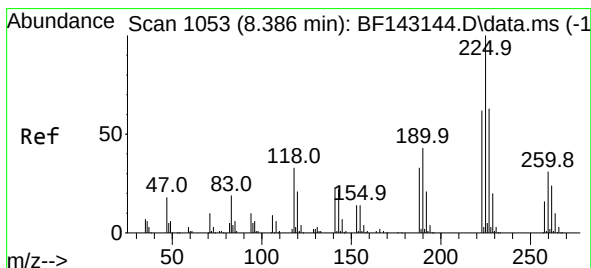
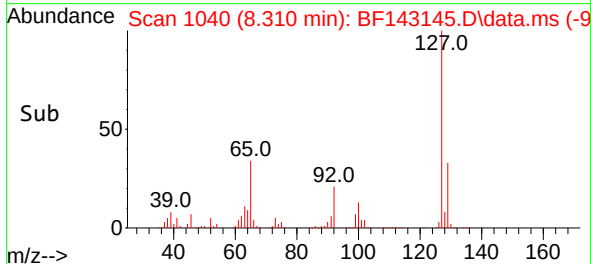
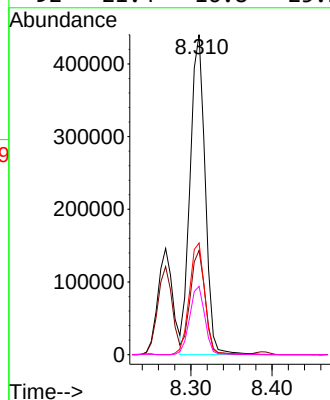
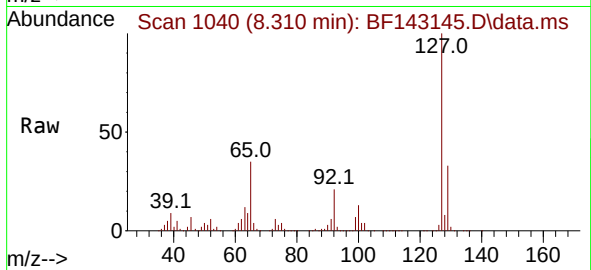




#33
4-Chloroaniline
Concen: 50.703 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

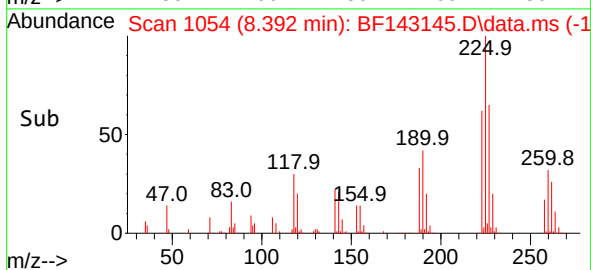
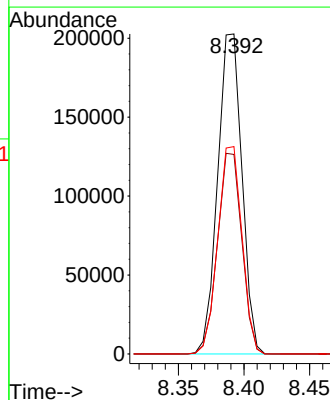
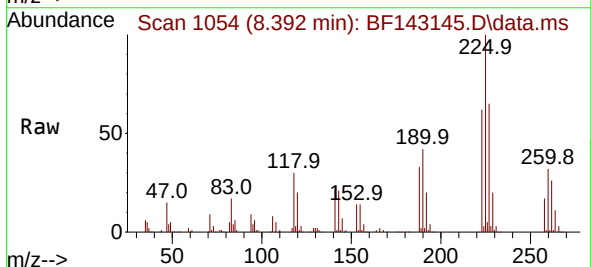
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

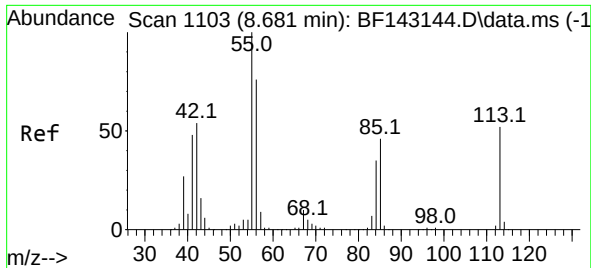
Tgt Ion:	127	Resp:	566422
Ion Ratio	Lower	Upper	
127	100		
129	32.6	26.0	39.0
65	34.9	27.4	41.2
92	21.4	16.8	25.2



#34
Hexachlorobutadiene
Concen: 50.976 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:	225	Resp:	260787
Ion Ratio	Lower	Upper	
225	100		
223	62.3	49.8	74.6
227	64.8	50.2	75.4

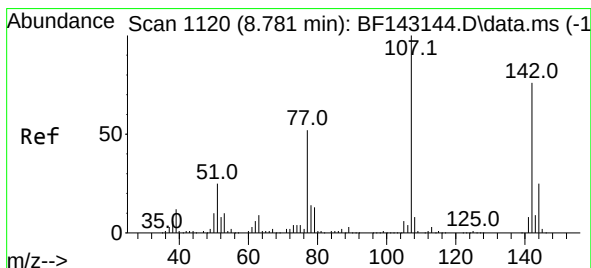
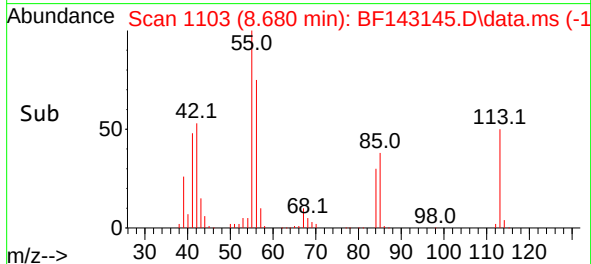
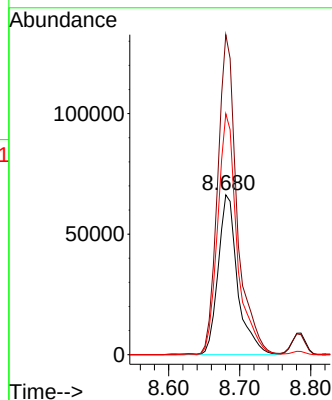
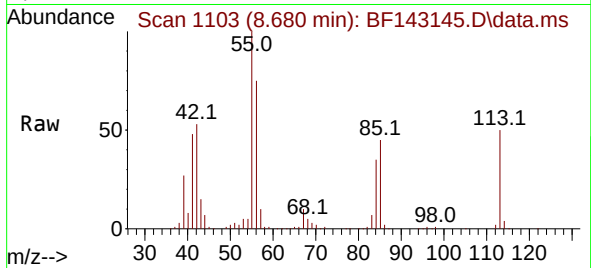




#35
 Caprolactam
 Concen: 53.811 ng
 RT: 8.680 min Scan# 1103
 Delta R.T. -0.000 min
 Lab File: BF143145.D
 Acq: 17 Jul 2025 13:33

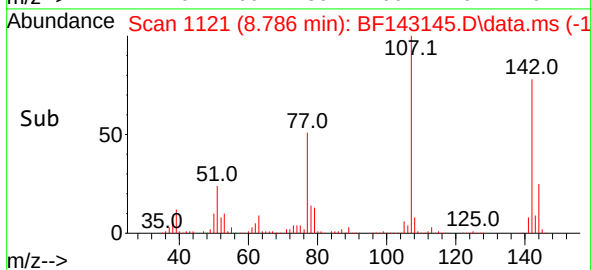
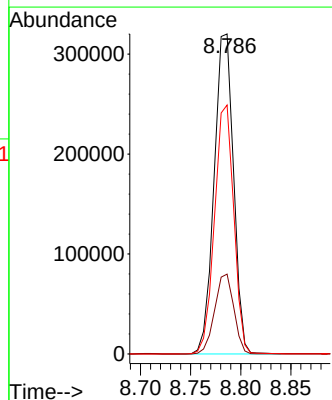
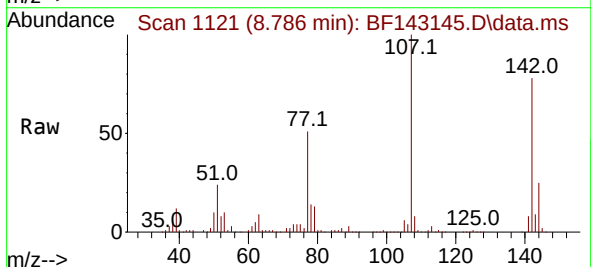
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

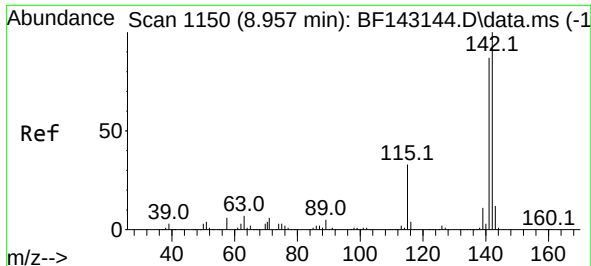
Tgt Ion:113 Resp: 126050
 Ion Ratio Lower Upper
 113 100
 55 200.3 174.0 214.0
 56 150.8 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 51.242 ng
 RT: 8.786 min Scan# 1121
 Delta R.T. 0.006 min
 Lab File: BF143145.D
 Acq: 17 Jul 2025 13:33

Tgt Ion:107 Resp: 431745
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.8 29.6
 142 77.8 60.6 90.8





#37

2-Methylnaphthalene

Concen: 50.324 ng

RT: 8.957 min Scan# 1150

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

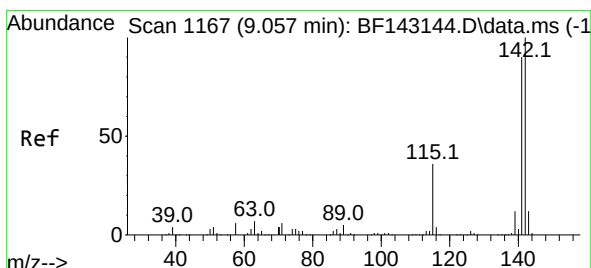
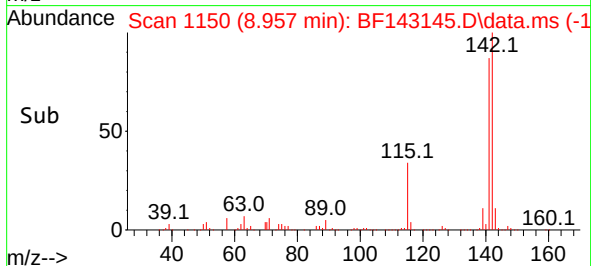
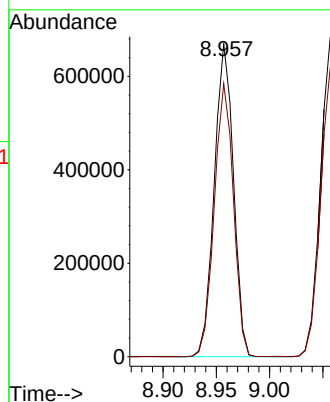
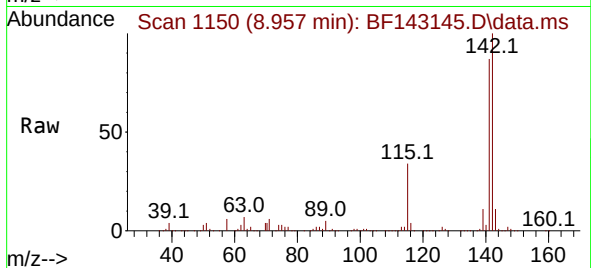
SSTDICC050

Tgt Ion:142 Resp: 837820

Ion Ratio Lower Upper

142 100

141 87.1 69.9 104.9



#38

1-Methylnaphthalene

Concen: 50.298 ng

RT: 9.057 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF143145.D

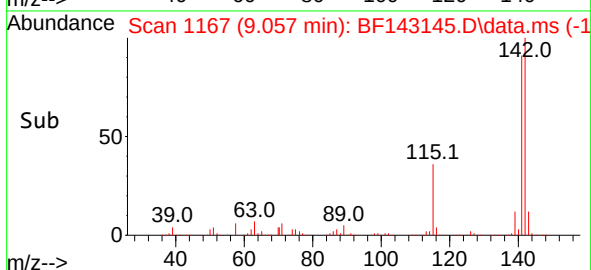
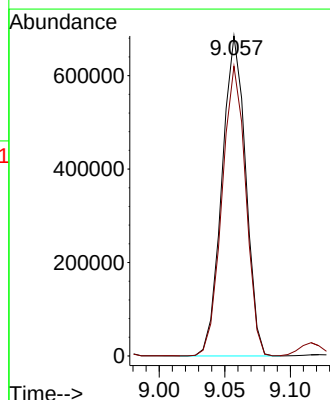
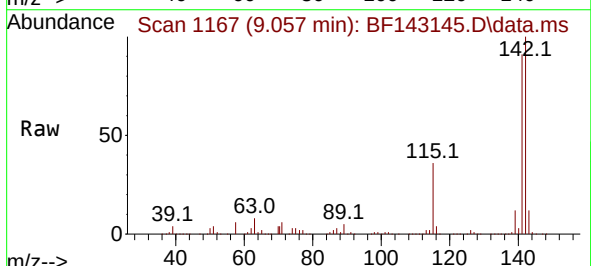
Acq: 17 Jul 2025 13:33

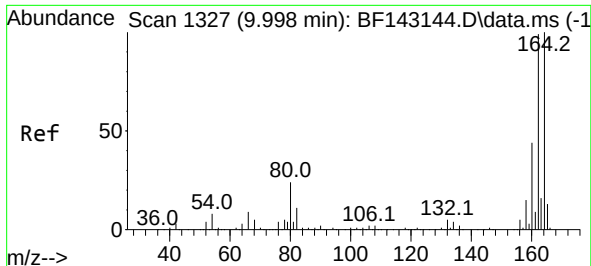
Tgt Ion:142 Resp: 862300

Ion Ratio Lower Upper

142 100

141 90.6 72.3 108.5

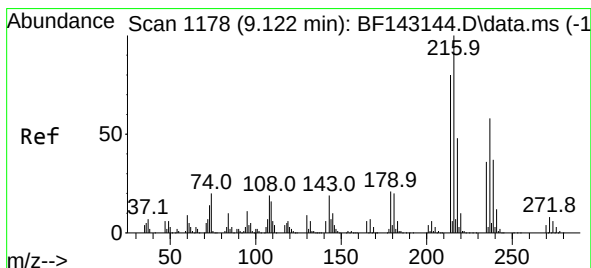
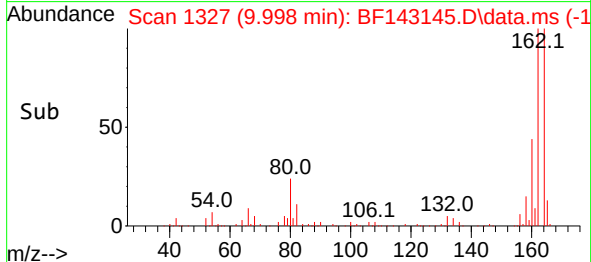
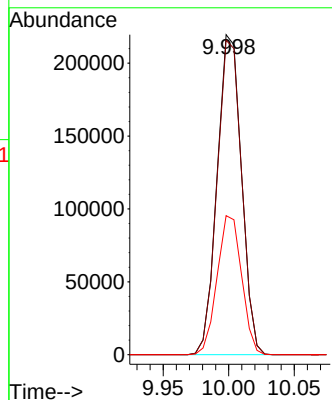
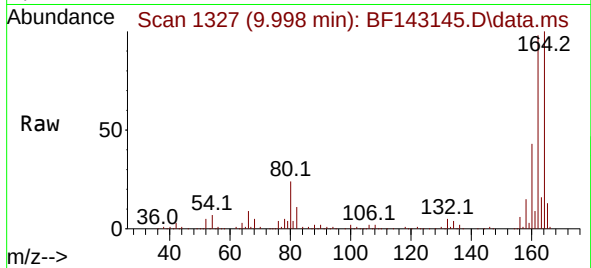




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

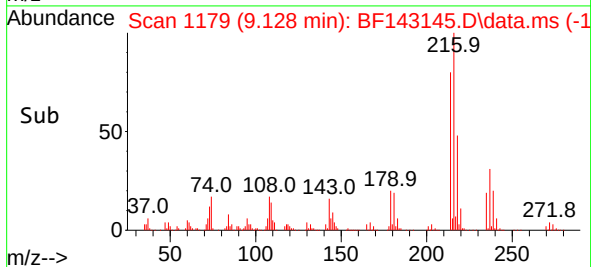
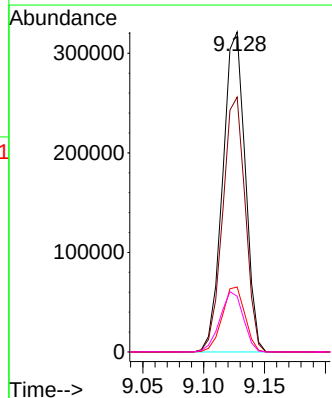
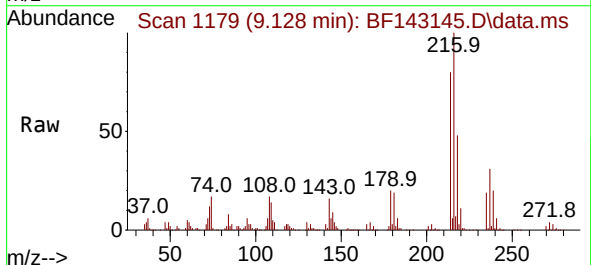
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

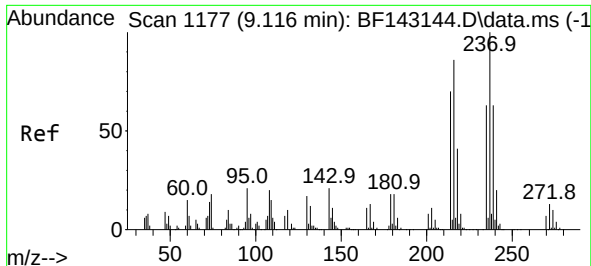
Tgt Ion:164 Resp: 283657
Ion Ratio Lower Upper
164 100
162 98.3 79.0 118.6
160 43.5 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.420 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:216 Resp: 412916
Ion Ratio Lower Upper
216 100
214 79.7 63.8 95.8
179 20.5 16.4 24.6
108 19.6 15.6 23.4

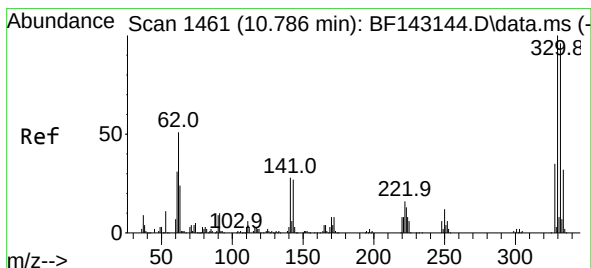
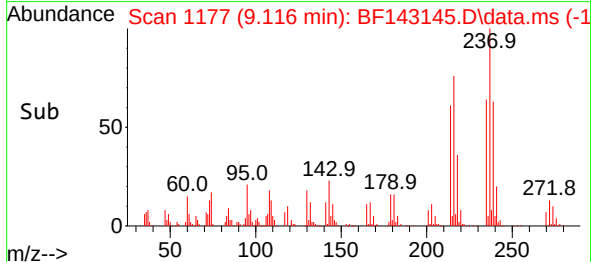
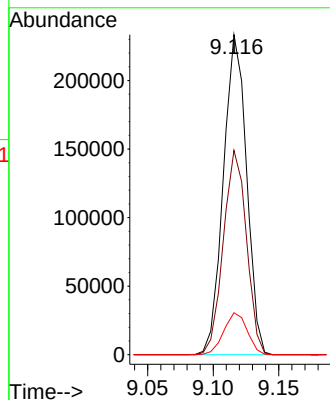
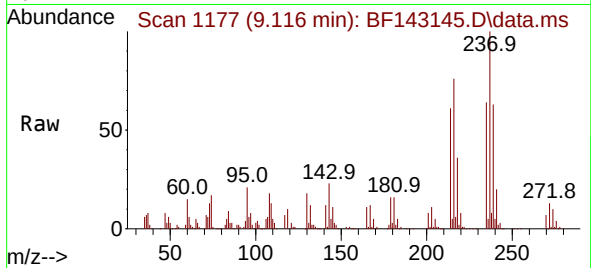




#41
Hexachlorocyclopentadiene
Concen: 53.823 ng
RT: 9.116 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

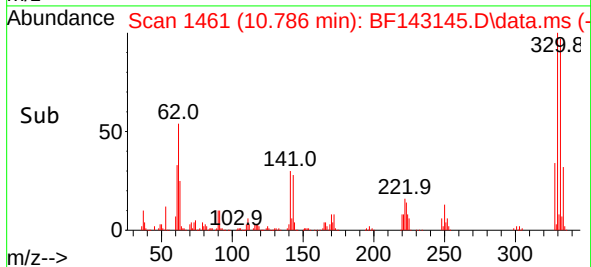
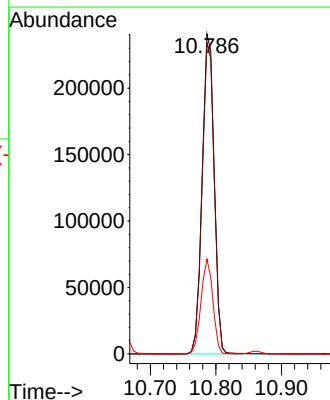
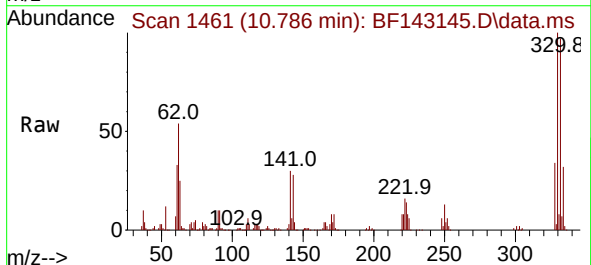
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

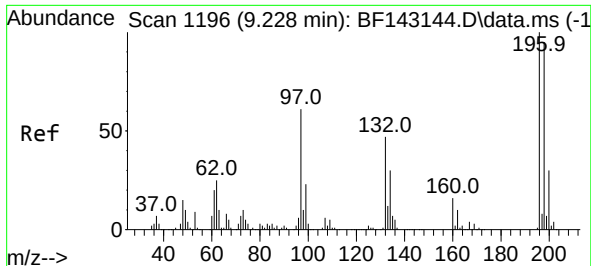
Tgt Ion:237 Resp: 286805
Ion Ratio Lower Upper
237 100
235 63.9 43.0 83.0
272 13.1 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 105.607 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:330 Resp: 309465
Ion Ratio Lower Upper
330 100
332 97.0 76.7 115.1
141 29.0 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 53.718 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

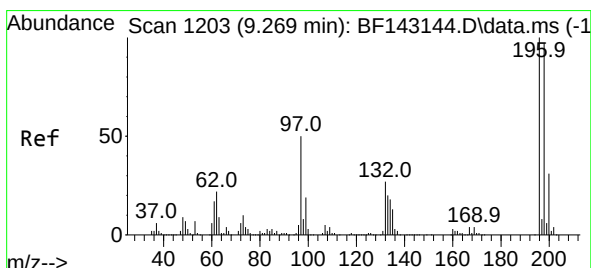
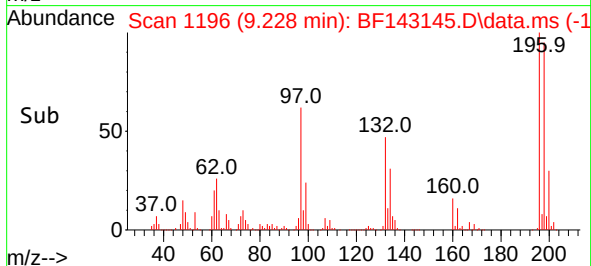
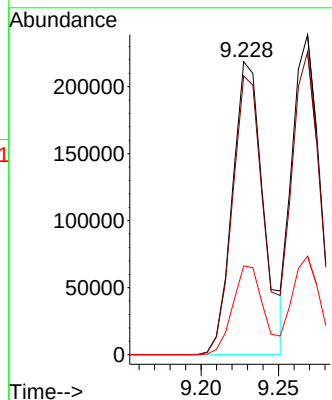
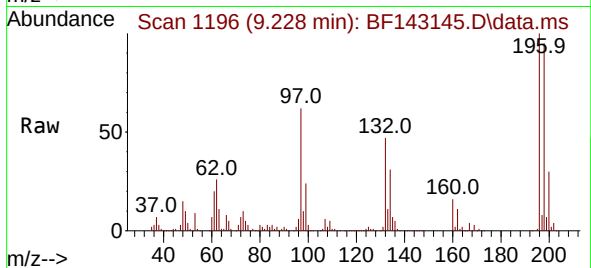
Tgt Ion:196 Resp: 304466

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.3 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 51.434 ng

RT: 9.269 min Scan# 1203

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Tgt Ion:196 Resp: 291607

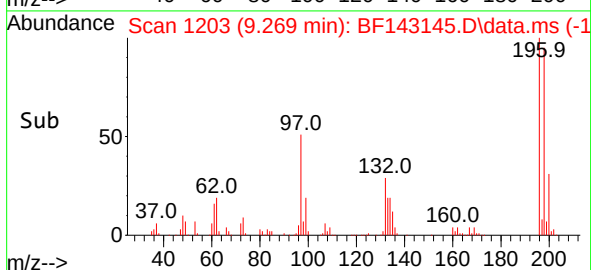
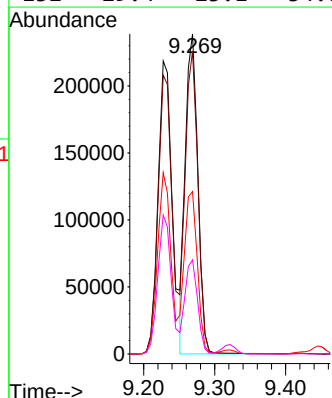
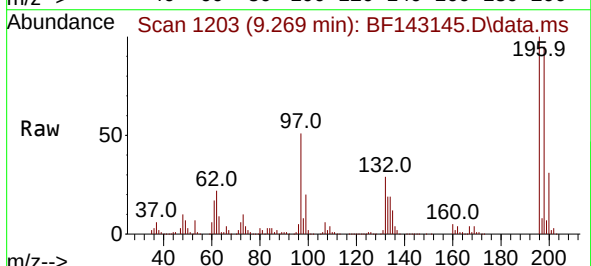
Ion Ratio Lower Upper

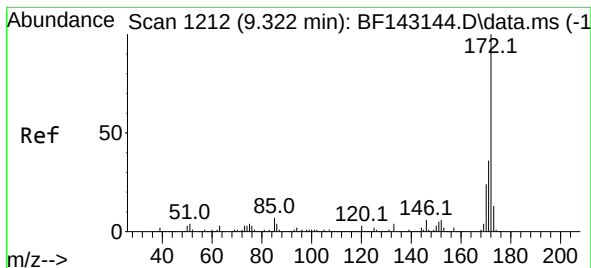
196 100

198 94.7 77.3 115.9

97 50.8 40.3 60.5

132 29.4 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 96.712 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

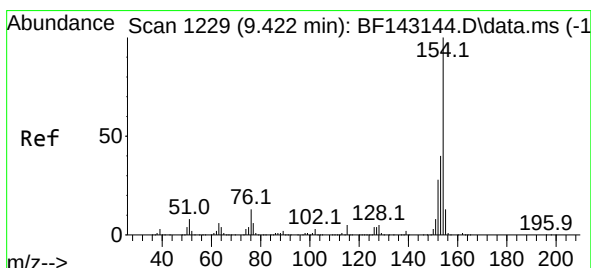
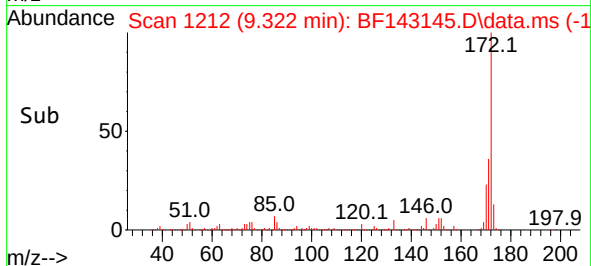
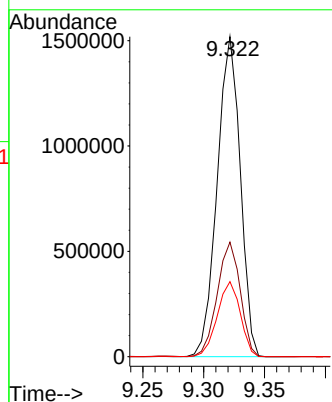
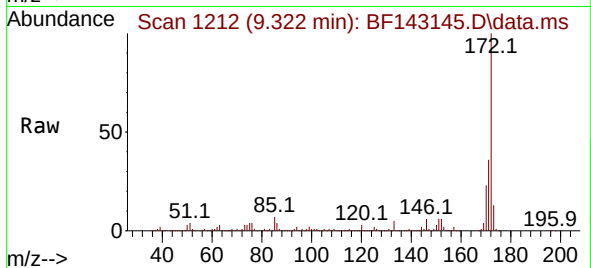
Tgt Ion:172 Resp: 2005894

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 49.764 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

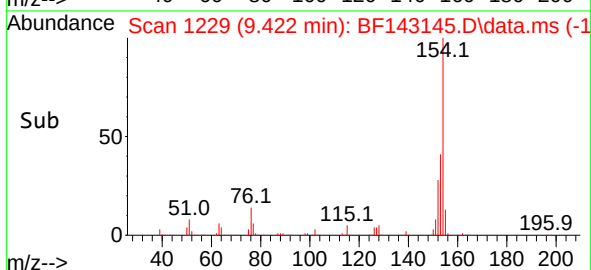
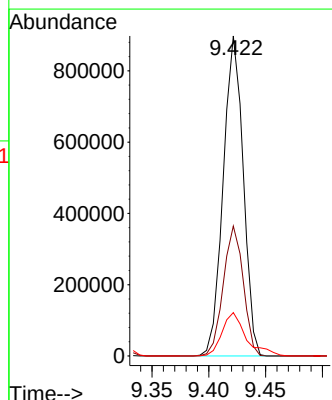
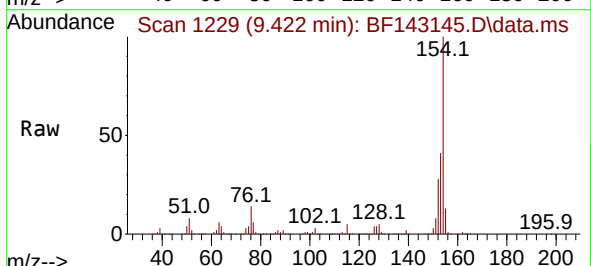
Tgt Ion:154 Resp: 1101317

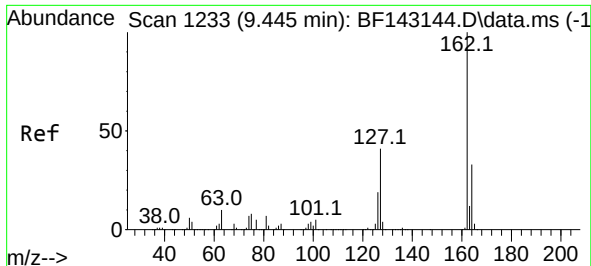
Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

76 13.5 0.0 33.3





#47

2-Chloronaphthalene

Concen: 50.488 ng

RT: 9.445 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

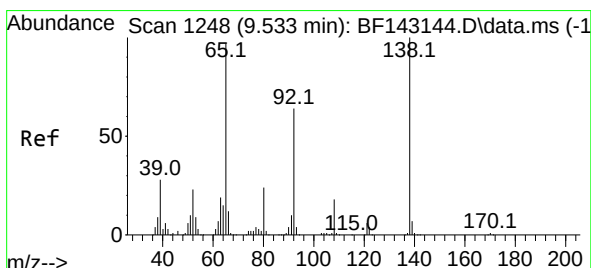
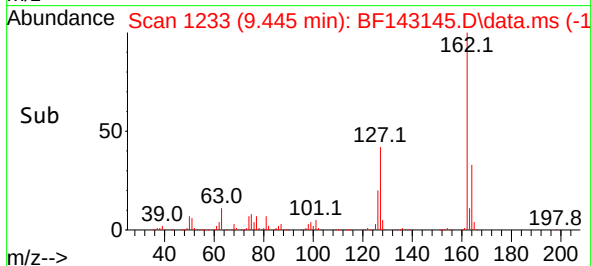
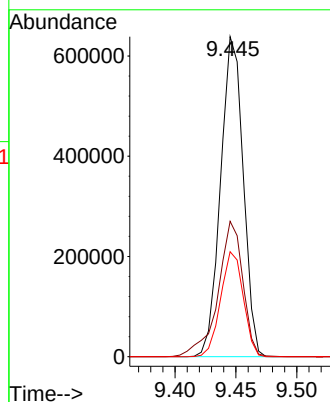
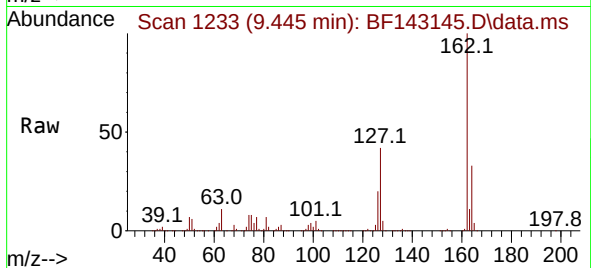
Tgt Ion:162 Resp: 826749

Ion Ratio Lower Upper

162 100

127 42.3 33.4 50.2

164 32.8 26.2 39.2



#48

2-Nitroaniline

Concen: 54.736 ng

RT: 9.533 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

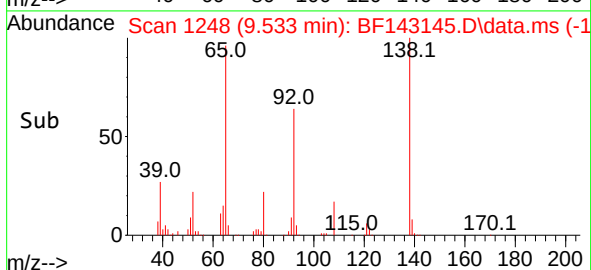
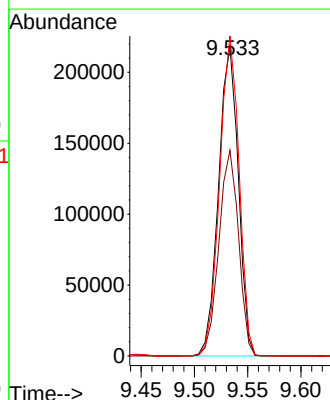
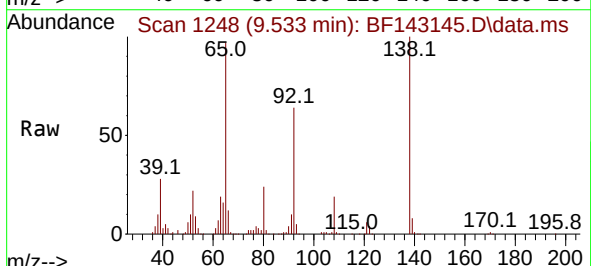
Tgt Ion: 65 Resp: 281082

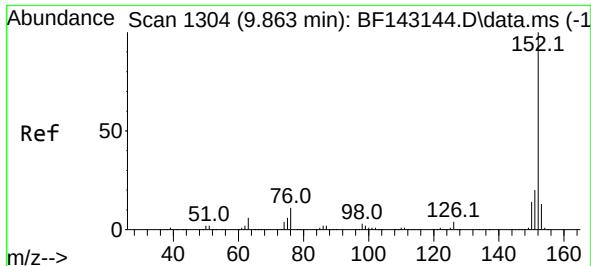
Ion Ratio Lower Upper

65 100

92 66.5 52.4 78.6

138 103.5 82.3 123.5





#49

Acenaphthylene

Concen: 50.605 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

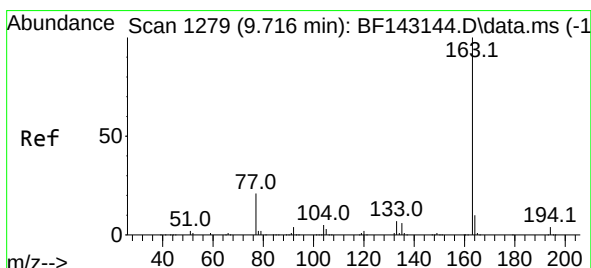
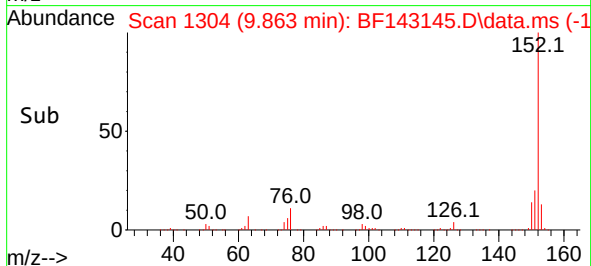
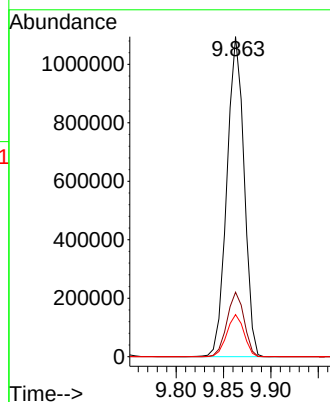
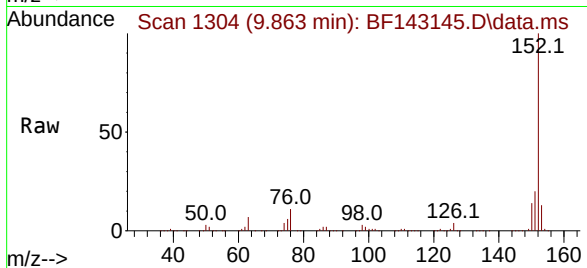
Tgt Ion:152 Resp: 1388721

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 13.1 10.6 16.0



#50

Dimethylphthalate

Concen: 50.832 ng

RT: 9.716 min Scan# 1279

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

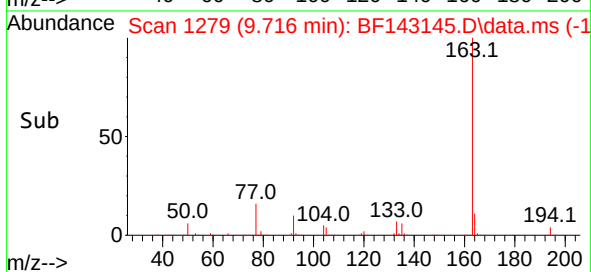
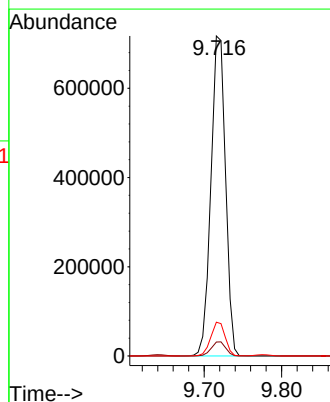
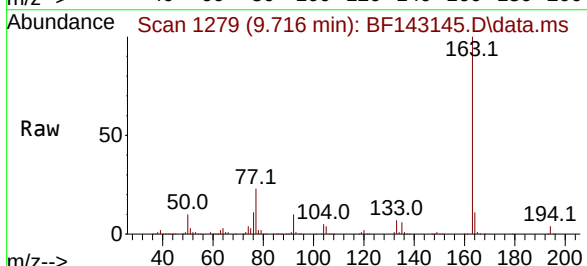
Tgt Ion:163 Resp: 939863

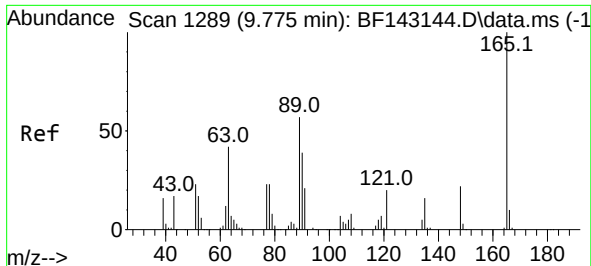
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.5 8.3 12.5

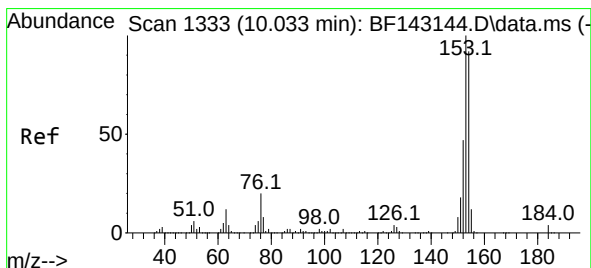
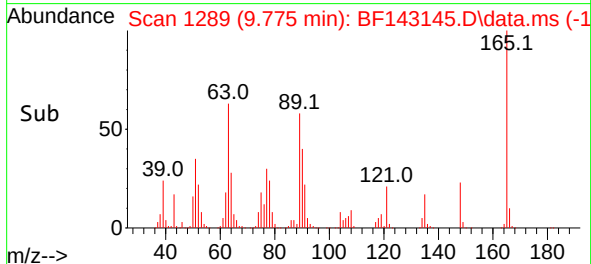
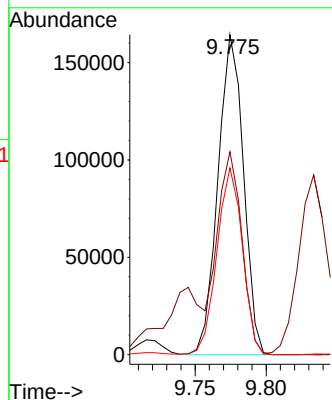
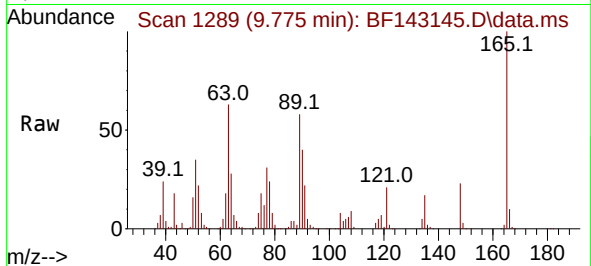




#51
2,6-Dinitrotoluene
Concen: 54.541 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

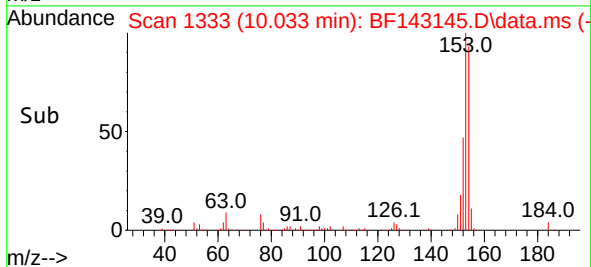
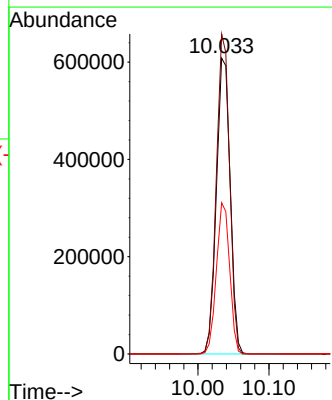
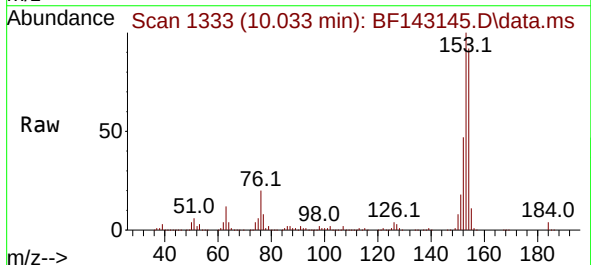
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

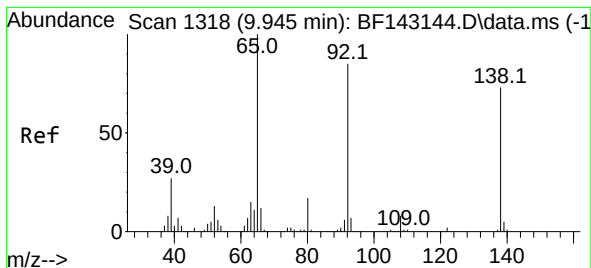
Tgt Ion:165 Resp: 205147
Ion Ratio Lower Upper
165 100
63 63.4 49.4 74.2
89 58.4 46.2 69.2



#52
Acenaphthene
Concen: 50.481 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:154 Resp: 818783
Ion Ratio Lower Upper
154 100
153 108.2 86.6 129.8
152 51.1 40.4 60.6





#53

3-Nitroaniline

Concen: 53.861 ng

RT: 9.945 min Scan# 1318

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

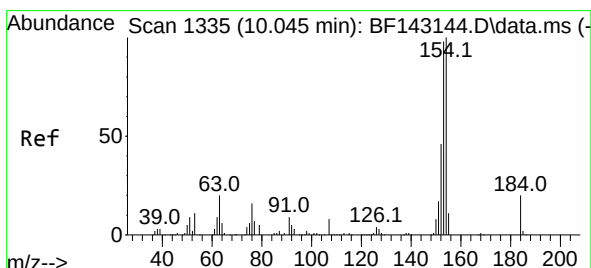
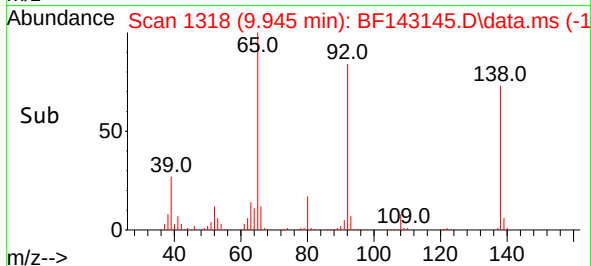
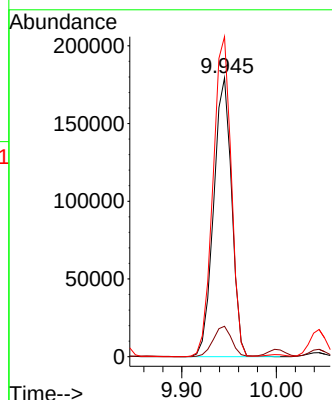
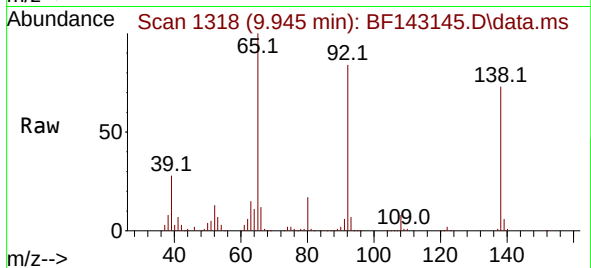
Tgt Ion:138 Resp: 236959

Ion Ratio Lower Upper

138 100

108 10.9 9.0 13.6

92 114.8 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 50.750 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

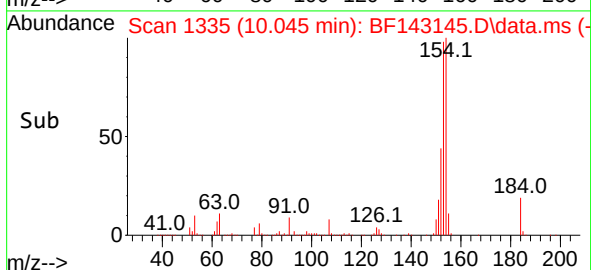
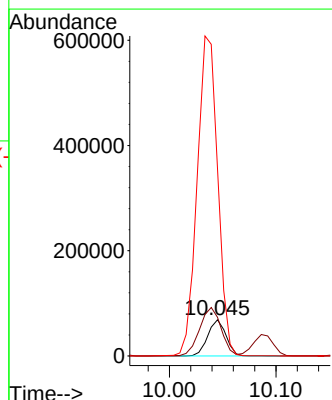
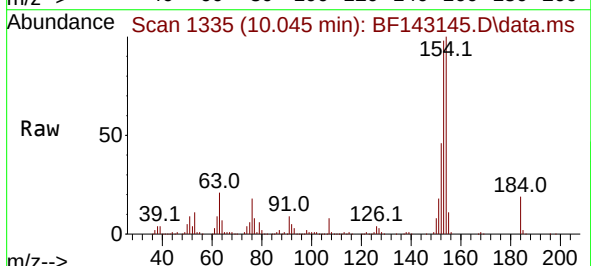
Tgt Ion:184 Resp: 81983

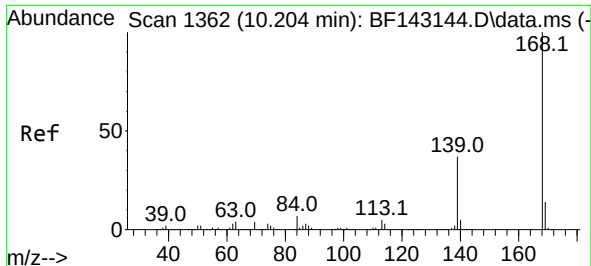
Ion Ratio Lower Upper

184 100

63 106.9 81.8 122.6

154 519.2 412.2 618.4

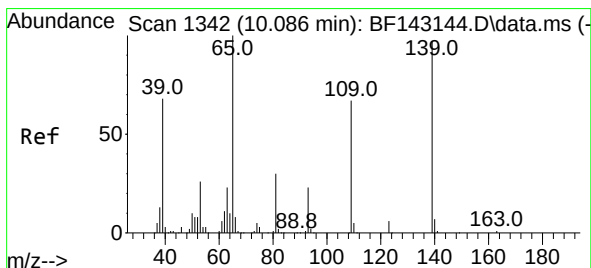
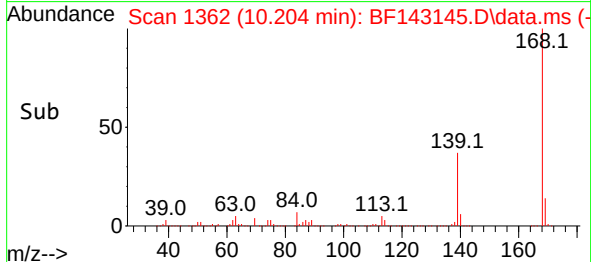
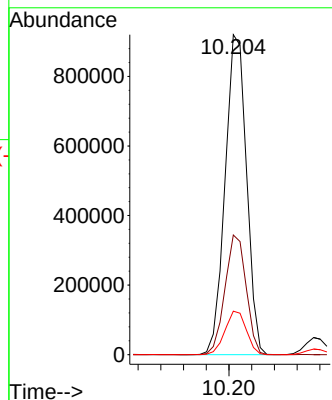
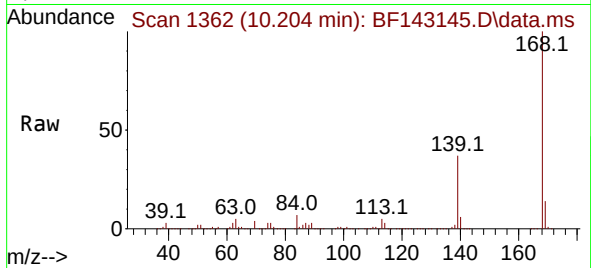




#55
Dibenzofuran
Concen: 50.001 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

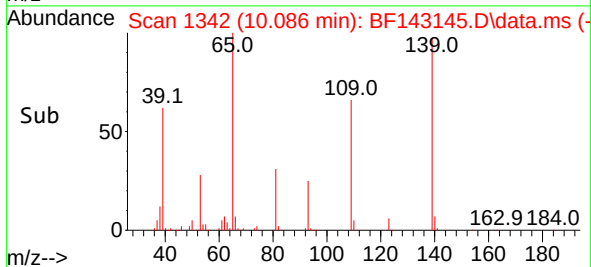
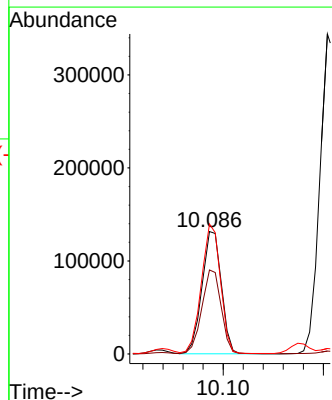
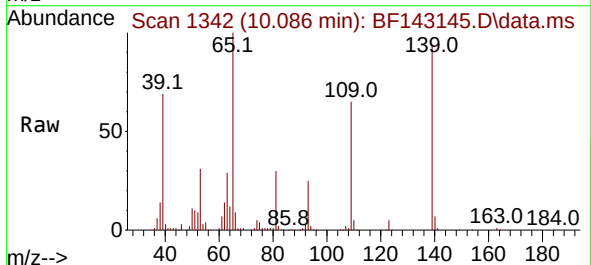
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

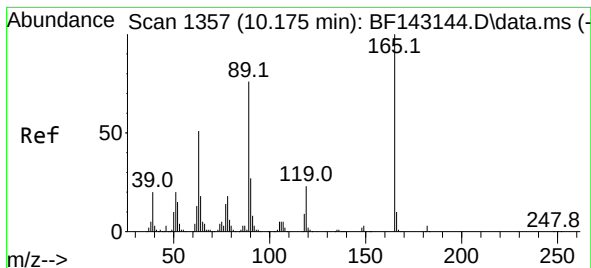
Tgt Ion:168 Resp: 1204088
Ion Ratio Lower Upper
168 100
139 37.4 29.5 44.3
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 54.001 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:139 Resp: 177408
Ion Ratio Lower Upper
139 100
109 68.7 48.5 88.5
65 106.2 83.4 123.4

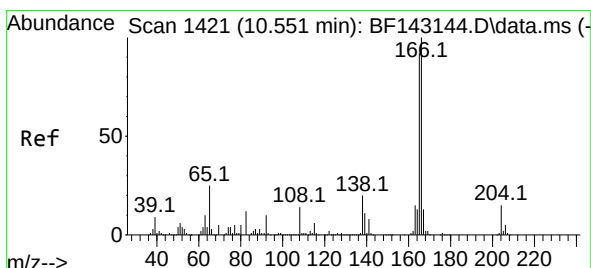
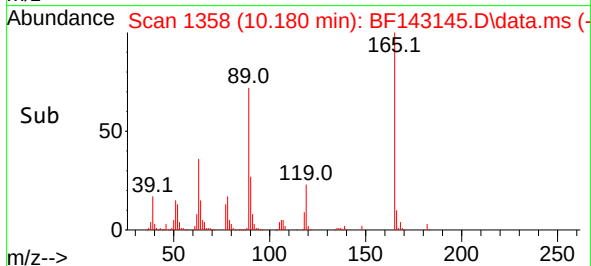
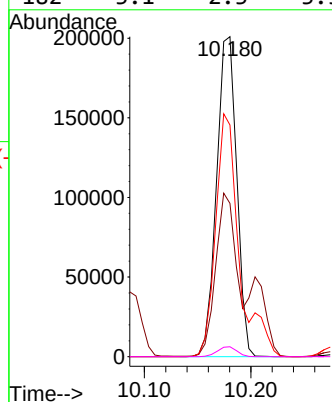
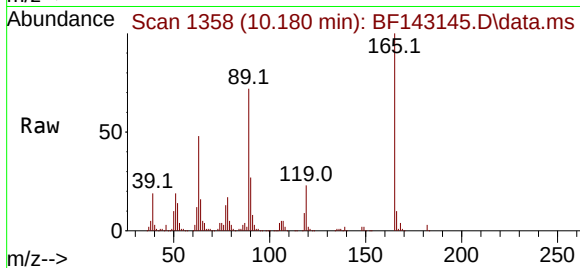




#57
2,4-Dinitrotoluene
Concen: 55.954 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

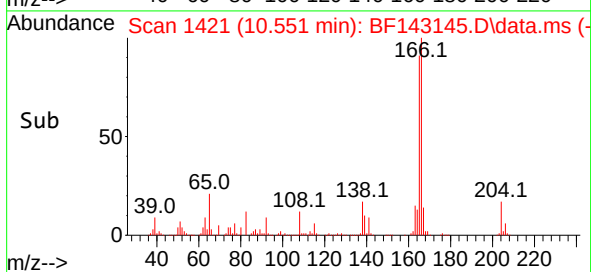
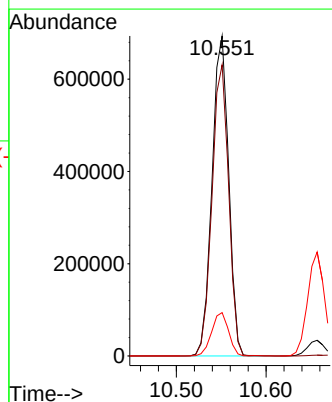
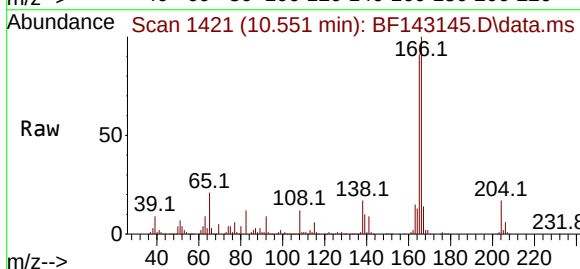
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

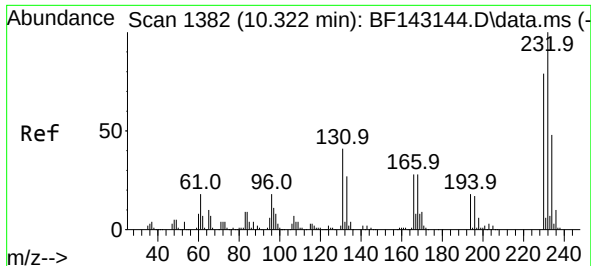
Tgt Ion:165 Resp: 264045
Ion Ratio Lower Upper
165 100
63 47.9 41.0 61.4
89 72.4 61.1 91.7
182 3.1 2.3 3.5



#58
Fluorene
Concen: 49.335 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:166 Resp: 891646
Ion Ratio Lower Upper
166 100
165 91.0 73.7 110.5
167 13.6 10.6 16.0

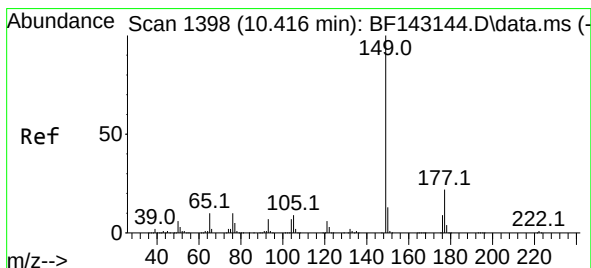
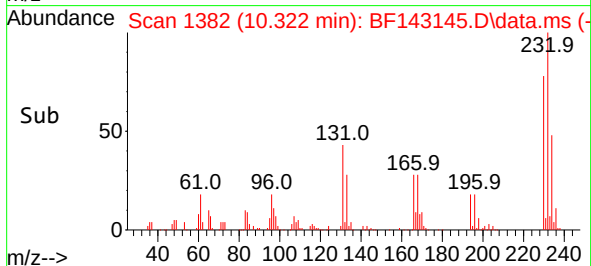
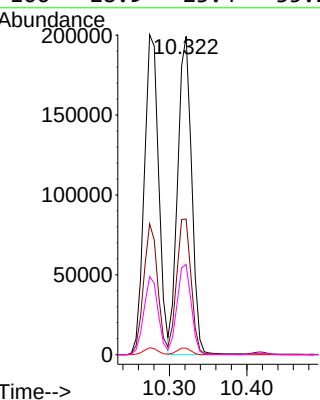
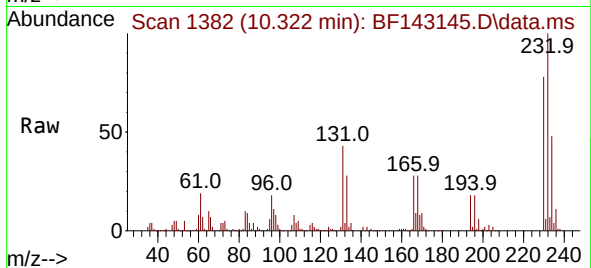




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.965 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

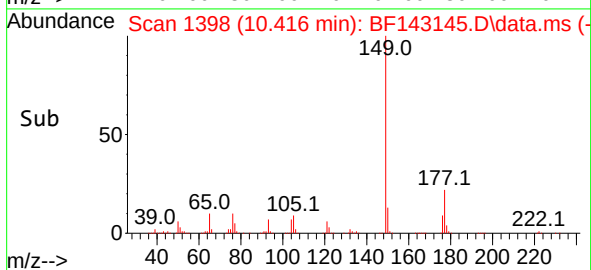
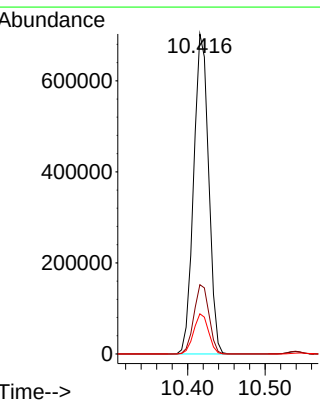
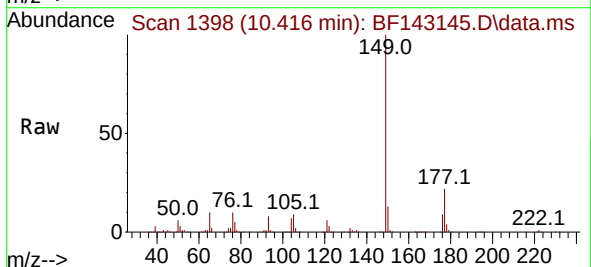
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

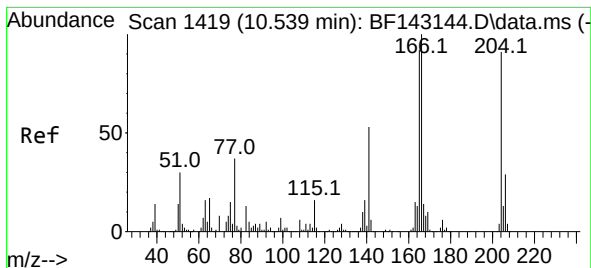
Tgt Ion:232 Resp: 248745
Ion Ratio Lower Upper
232 100
131 44.3 35.3 52.9
130 2.1 1.7 2.5
166 28.9 23.4 35.2



#60
Diethylphthalate
Concen: 51.580 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 942625
Ion Ratio Lower Upper
149 100
177 21.7 17.5 26.3
150 12.6 10.2 15.2

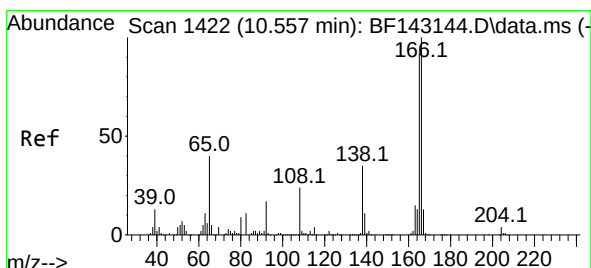
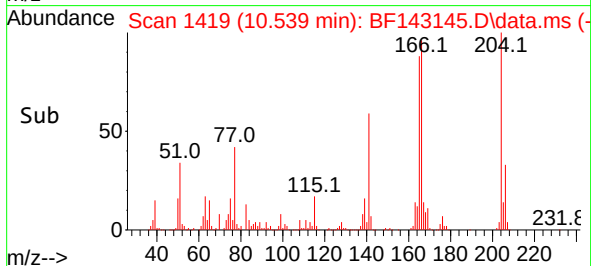
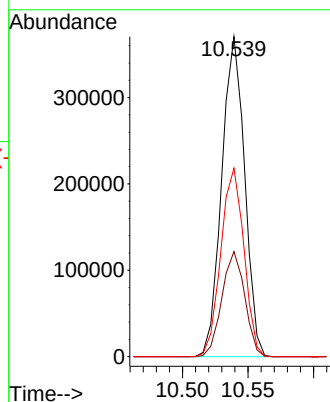
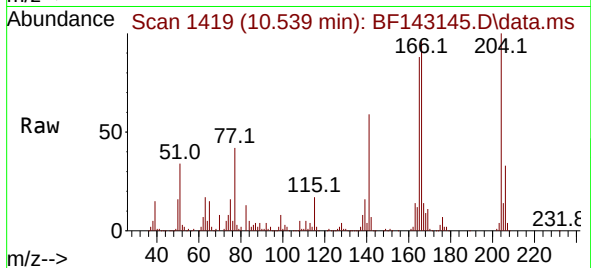




#61
4-Chlorophenyl-phenylether
Concen: 49.911 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

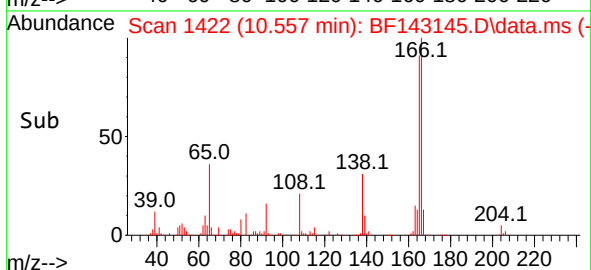
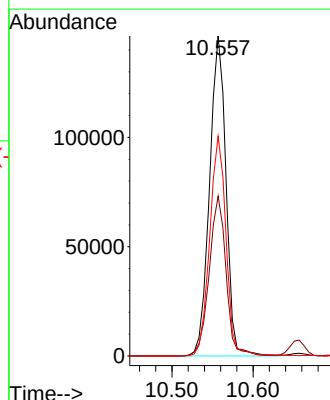
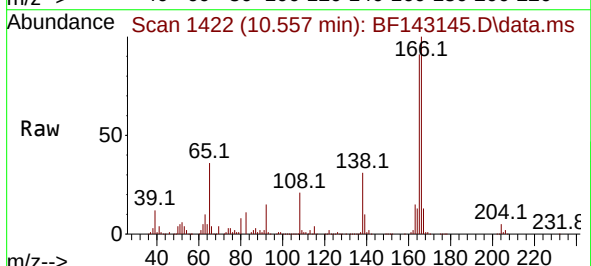
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

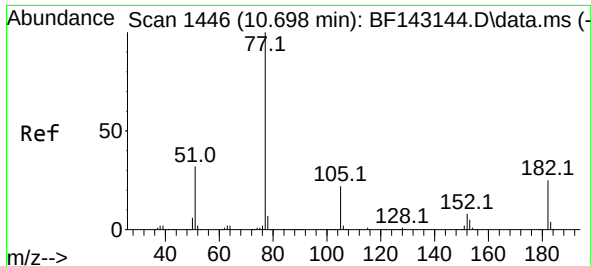
Tgt Ion:204 Resp: 449168
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 58.9 47.0 70.4



#62
4-Nitroaniline
Concen: 54.424 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:138 Resp: 205210
Ion Ratio Lower Upper
138 100
92 50.0 29.3 69.3
108 68.7 48.3 88.3

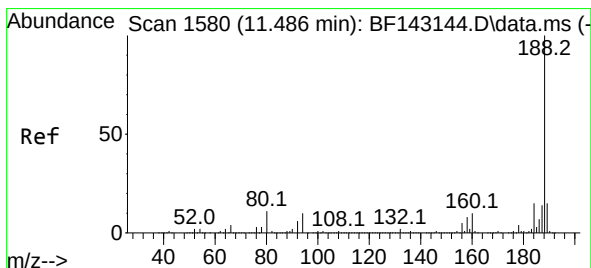
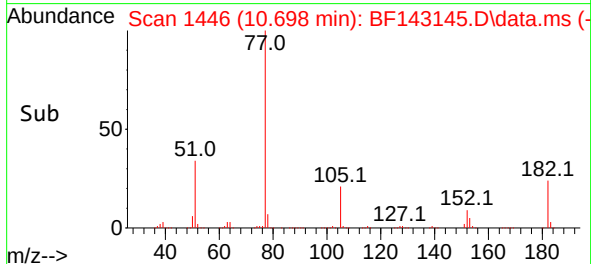
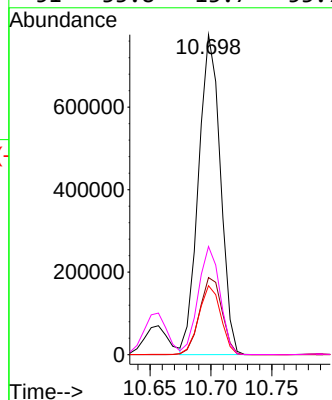
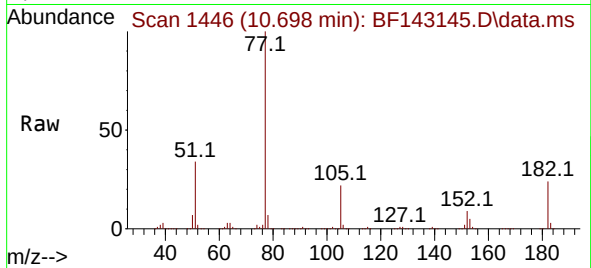




#63
Azobenzene
Concen: 50.766 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

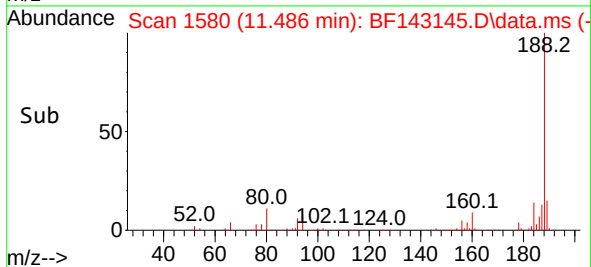
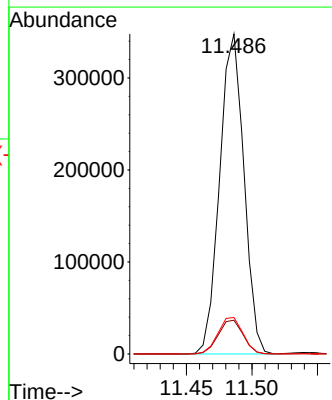
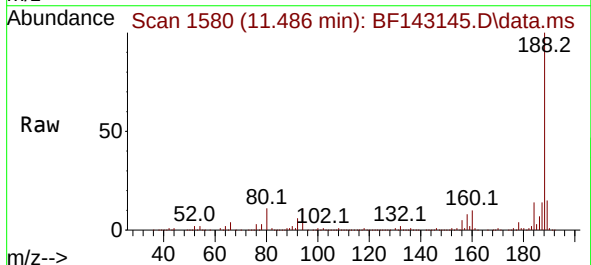
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

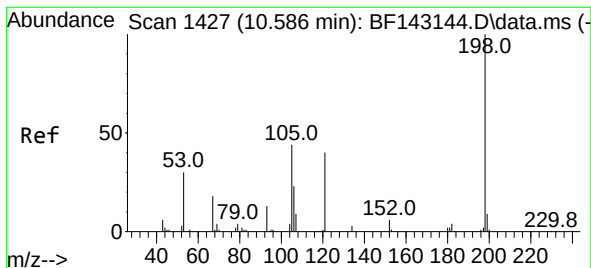
Tgt Ion: 77	Resp: 966931
Ion Ratio	Lower Upper
77 100	
182 24.1	4.6 44.6
105 21.6	1.4 41.4
51 33.8	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:188	Resp: 447089		
Ion Ratio	Lower	Upper	
188 100			
94 10.6	8.3	12.5	
80 11.4	9.0	13.6	

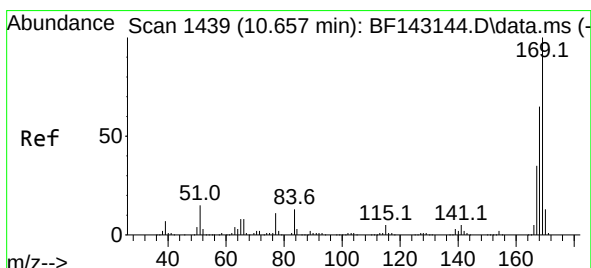
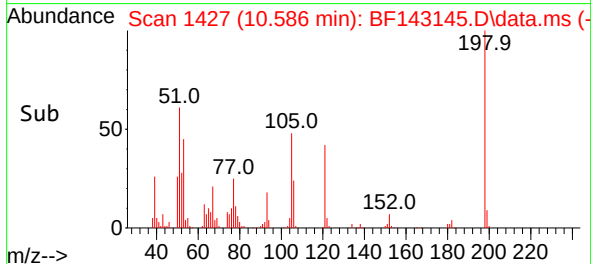
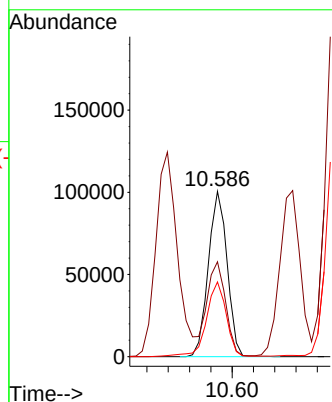
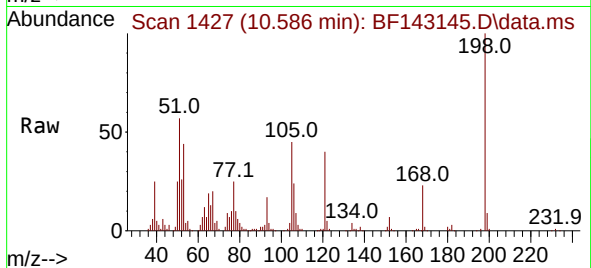




#65
4,6-Dinitro-2-methylphenol
Concen: 51.927 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

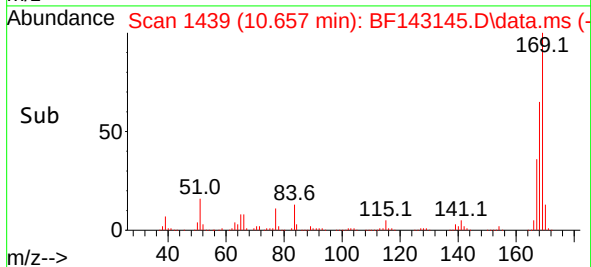
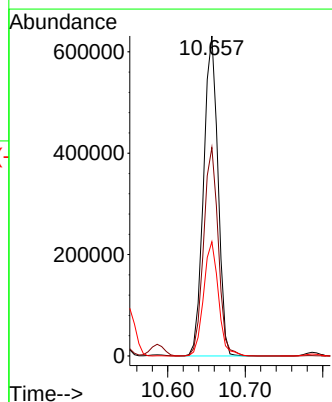
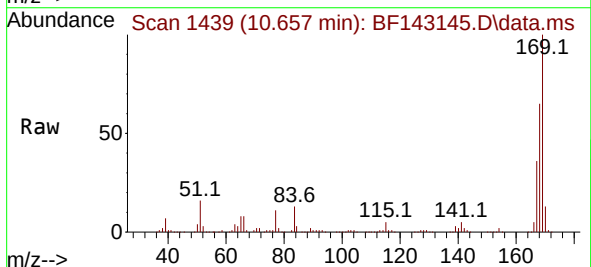
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

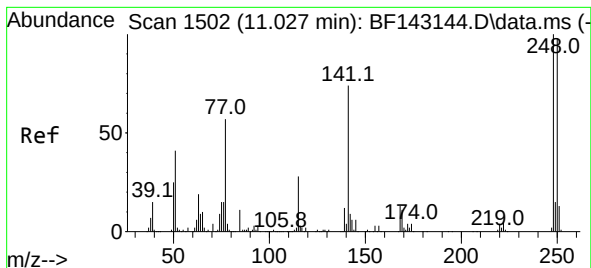
Tgt Ion:198 Resp: 122876
Ion Ratio Lower Upper
198 100
51 57.3 37.2 77.2
105 45.1 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 51.540 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:169 Resp: 811422
Ion Ratio Lower Upper
169 100
168 65.1 52.1 78.1
167 35.7 28.2 42.2

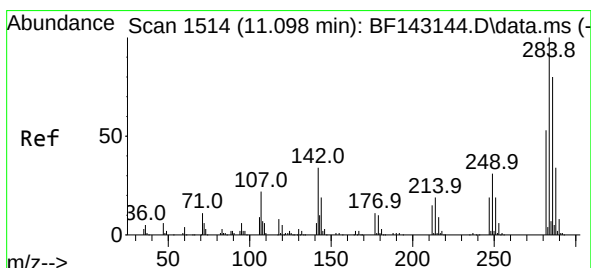
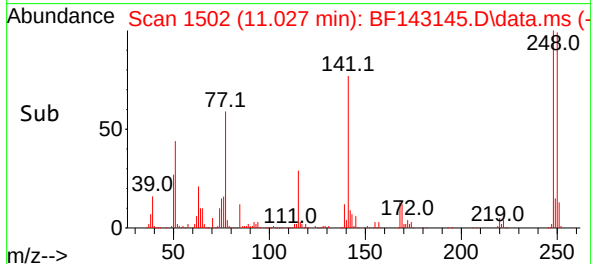
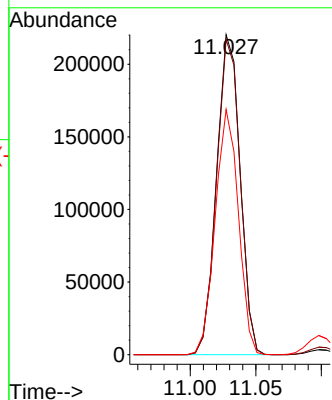
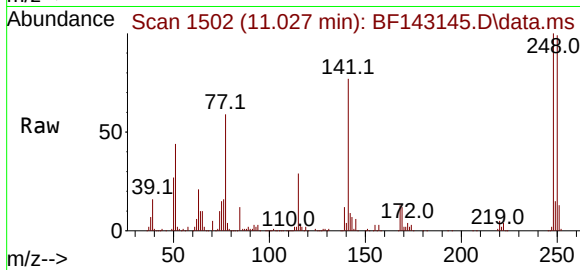




#67
4-Bromophenyl-phenylether
Concen: 51.741 ng
RT: 11.027 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

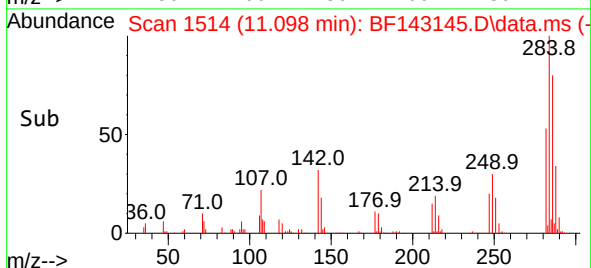
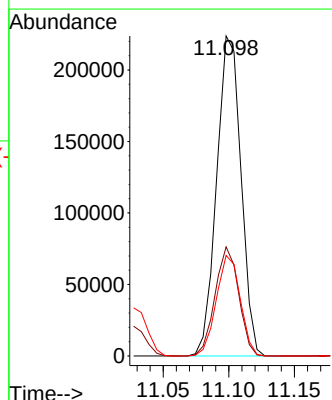
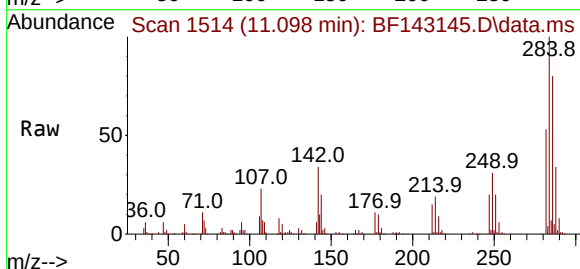
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

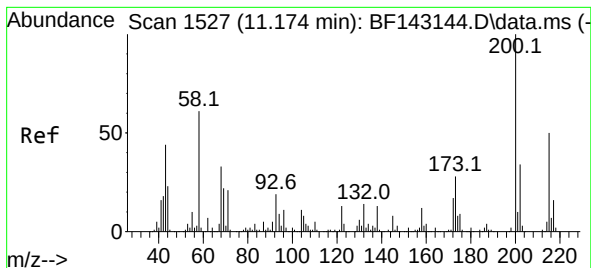
Tgt Ion:248 Resp: 275679
Ion Ratio Lower Upper
248 100
250 98.5 78.3 117.5
141 76.6 59.2 88.8



#68
Hexachlorobenzene
Concen: 51.788 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:284 Resp: 288405
Ion Ratio Lower Upper
284 100
142 34.1 27.0 40.6
249 31.4 25.0 37.6





#69

Atrazine

Concen: 53.662 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

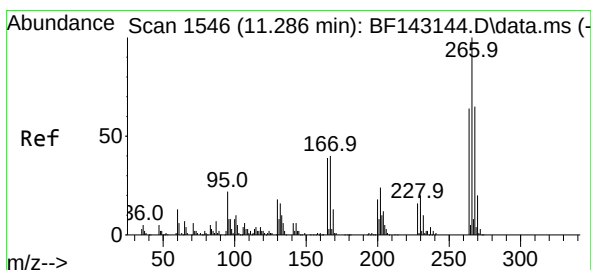
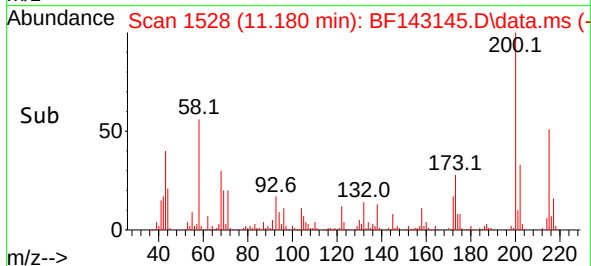
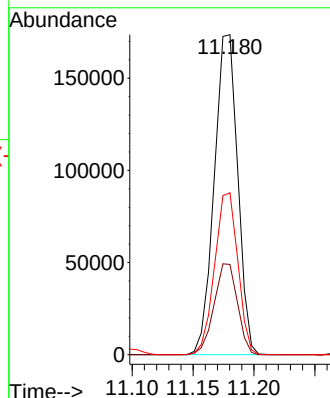
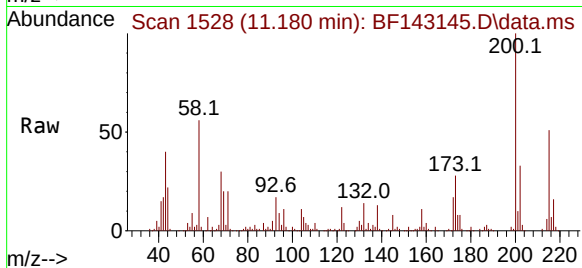
Tgt Ion:200 Resp: 232907

Ion Ratio Lower Upper

200 100

173 28.2 7.9 47.9

215 50.6 30.1 70.1



#70

Pentachlorophenol

Concen: 54.581 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

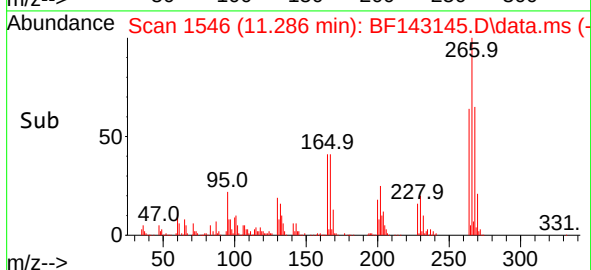
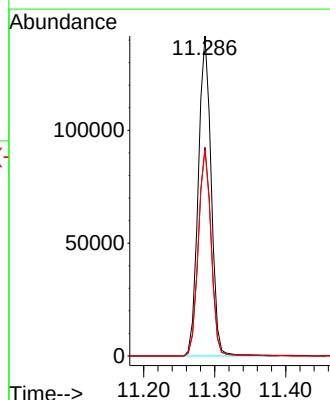
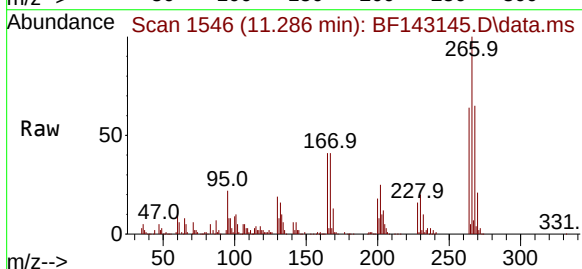
Tgt Ion:266 Resp: 178753

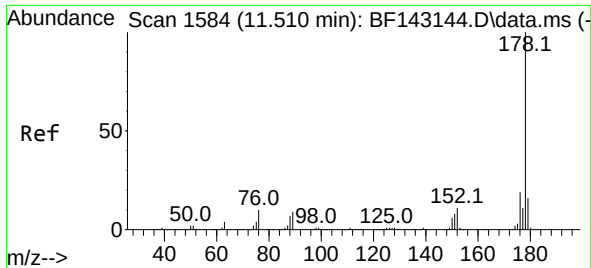
Ion Ratio Lower Upper

266 100

268 65.2 51.9 77.9

264 64.5 51.0 76.6



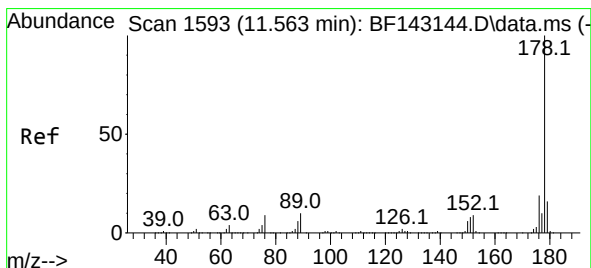
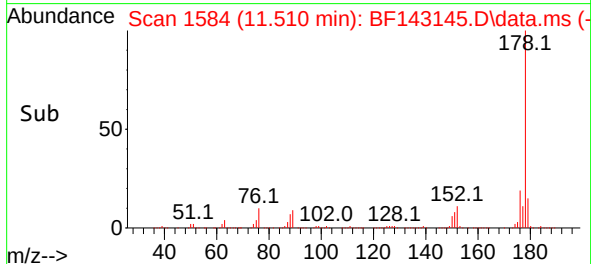
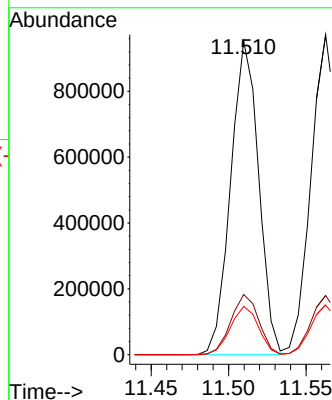
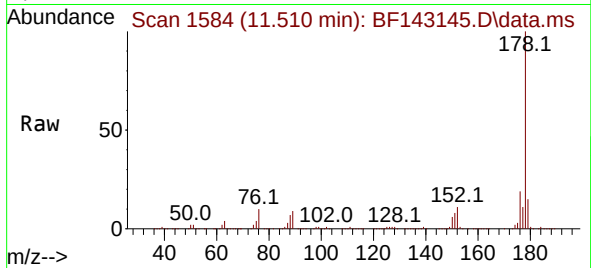


#71
Phenanthrene
Concen: 50.321 ng
RT: 11.510 min Scan# 11584
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1194582

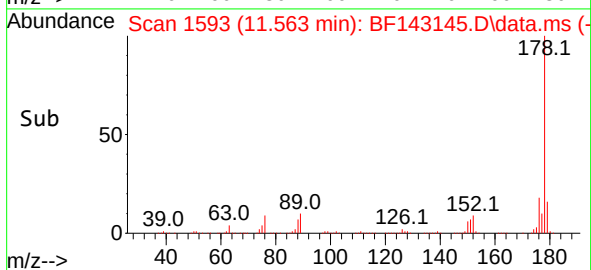
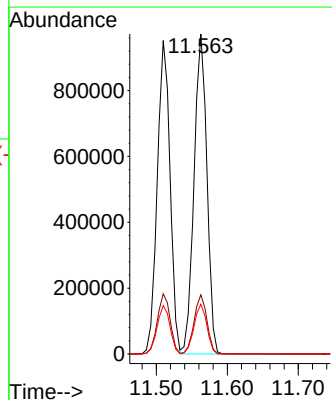
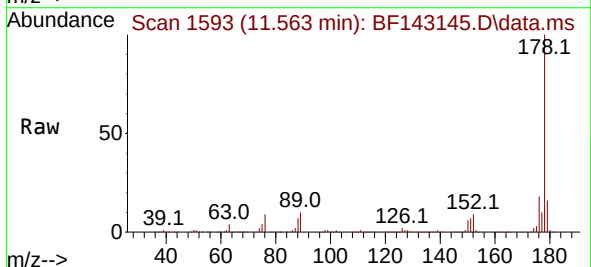
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.4	12.5	18.7

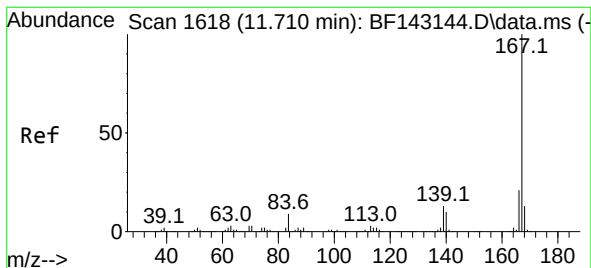


#72
Anthracene
Concen: 50.552 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:178 Resp: 1223920

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.5	12.5	18.7





#73

Carbazole

Concen: 50.934 ng

RT: 11.710 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

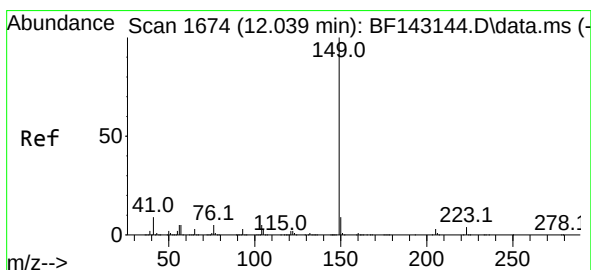
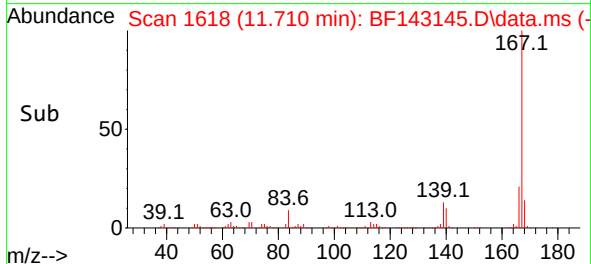
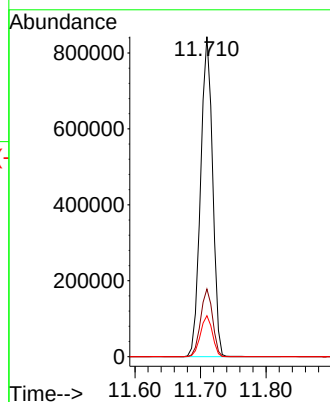
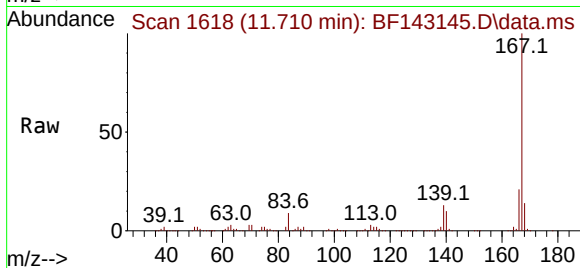
BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:167 Resp: 1076803

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.8	10.0	15.0



#74

Di-n-butylphthalate

Concen: 52.290 ng

RT: 12.045 min Scan# 1675

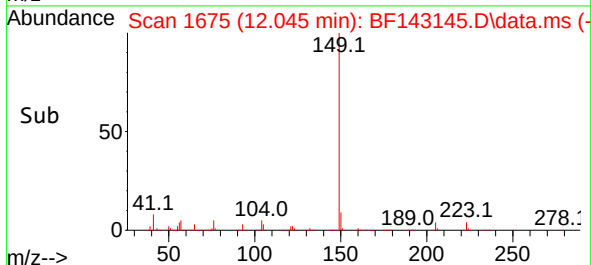
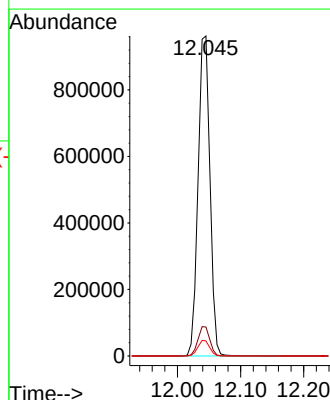
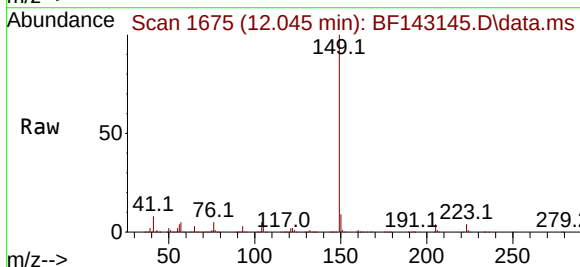
Delta R.T. 0.006 min

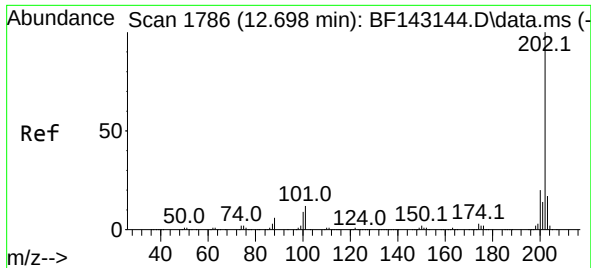
Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 1250841

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.7	3.8	5.8

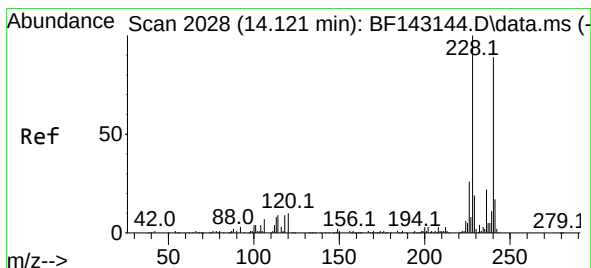
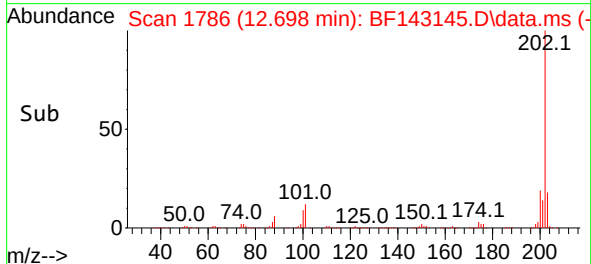
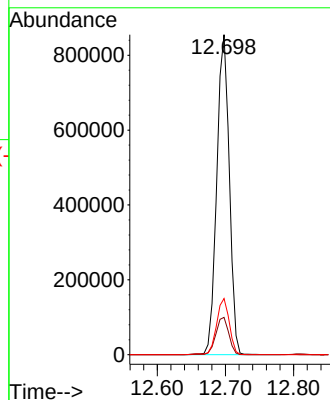
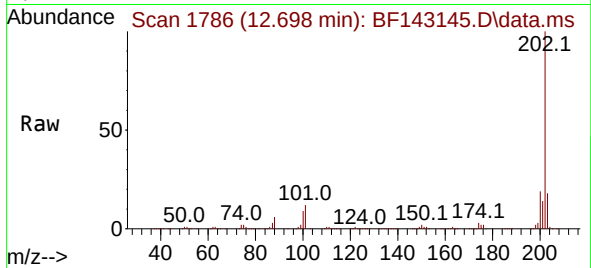




#75
Fluoranthene
Concen: 50.203 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

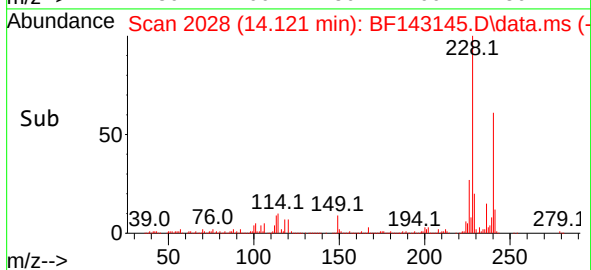
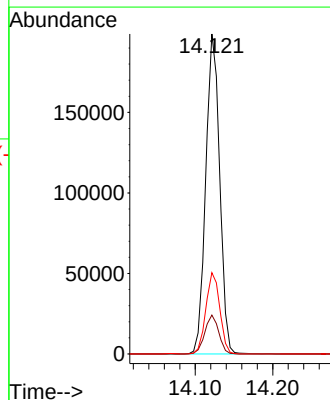
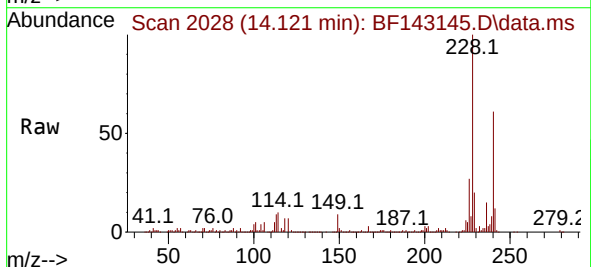
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

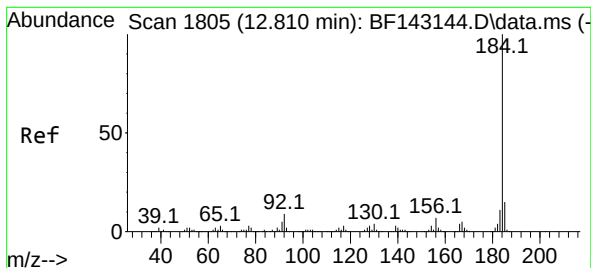
Tgt Ion:202 Resp: 1093890
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:240 Resp: 247878
Ion Ratio Lower Upper
240 100
120 12.1 9.4 14.2
236 25.4 20.2 30.4





#77

Benzidine

Concen: 45.229 ng

RT: 12.810 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

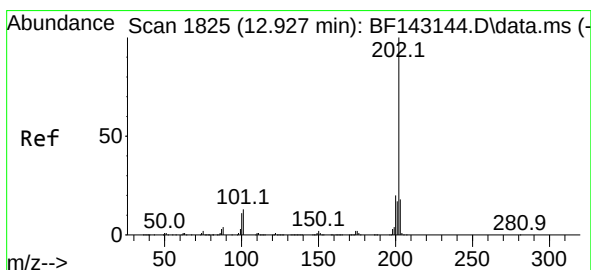
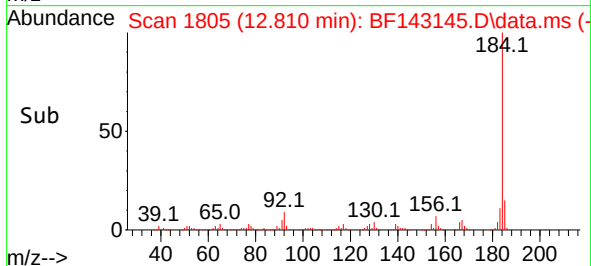
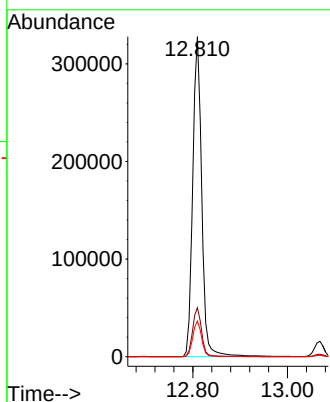
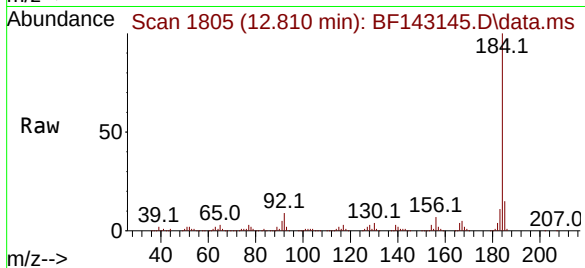
Tgt Ion:184 Resp: 431944

Ion Ratio Lower Upper

184 100

185 15.3 12.2 18.4

183 11.2 9.0 13.4



#78

Pyrene

Concen: 50.982 ng

RT: 12.927 min Scan# 1825

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

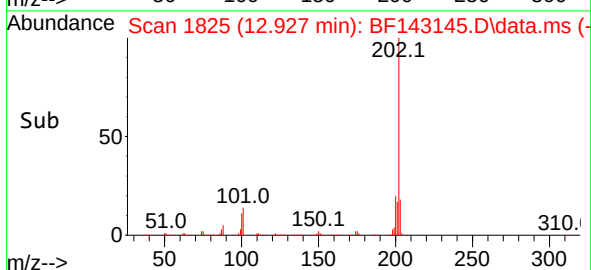
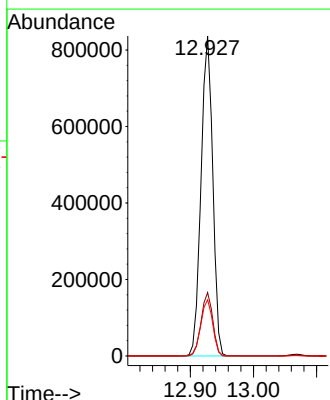
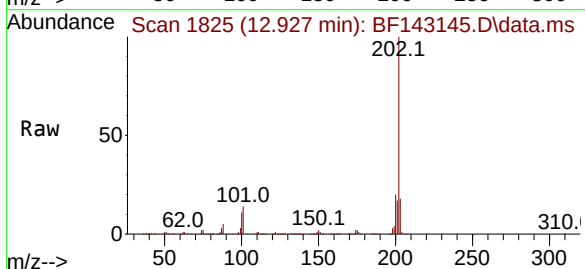
Tgt Ion:202 Resp: 1078520

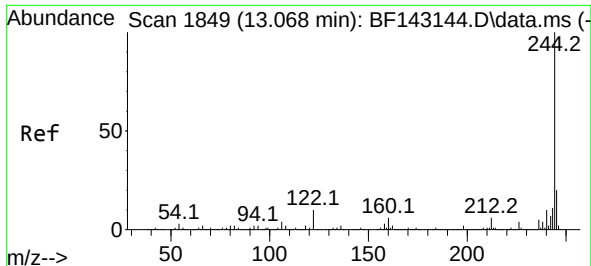
Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

203 17.5 14.2 21.2

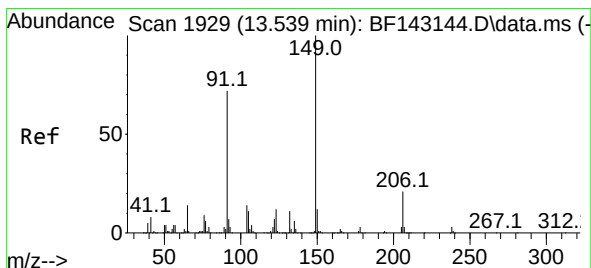
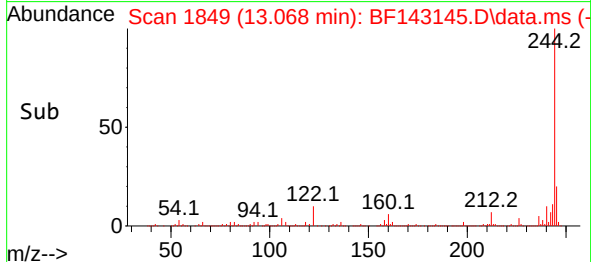
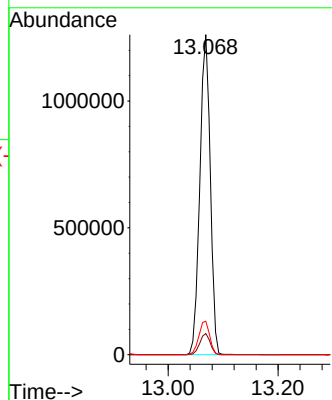
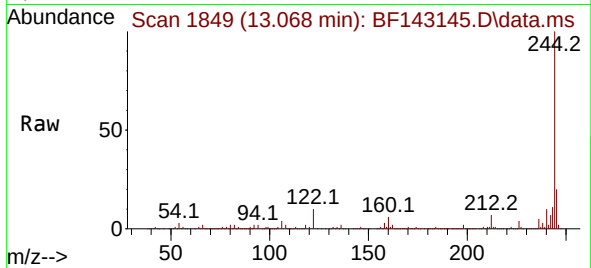




#79
 Terphenyl-d14
 Concen: 99.838 ng
 RT: 13.068 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF143145.D
 Acq: 17 Jul 2025 13:33

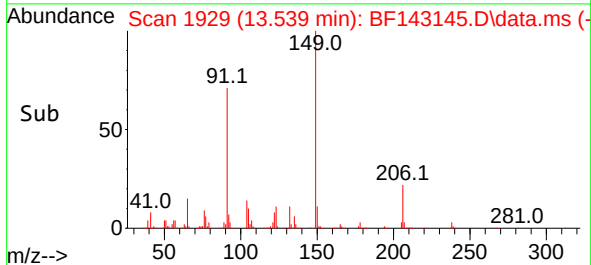
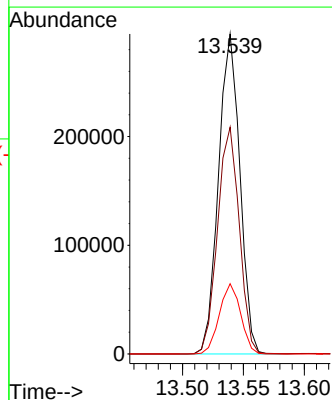
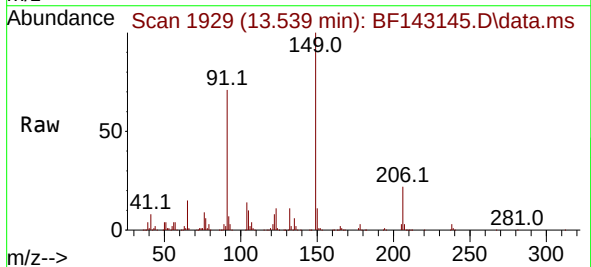
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

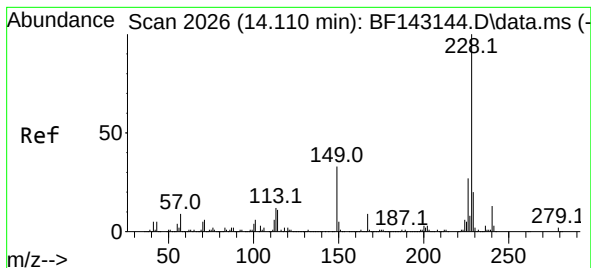
Tgt Ion:244 Resp: 1663033
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 10.4 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 55.681 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. -0.000 min
 Lab File: BF143145.D
 Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 360698
 Ion Ratio Lower Upper
 149 100
 91 70.8 57.9 86.9
 206 22.0 17.0 25.4





#81

Benzo(a)anthracene

Concen: 53.085 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

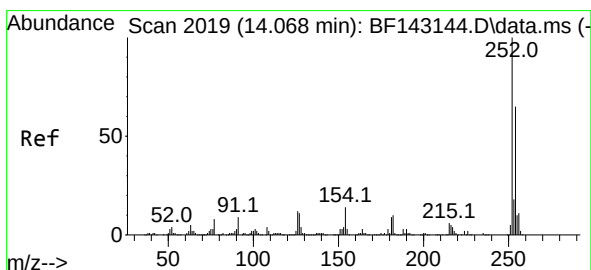
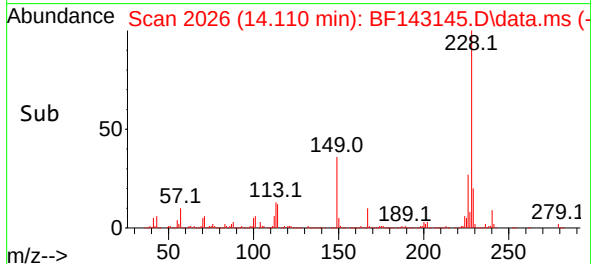
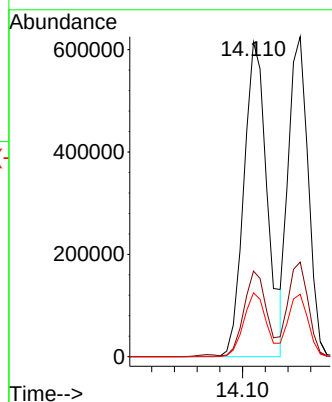
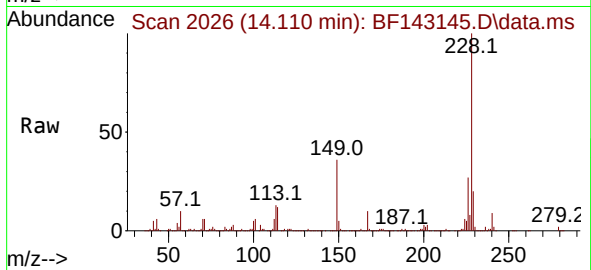
Tgt Ion:228 Resp: 880975

Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

229 20.3 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 53.305 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

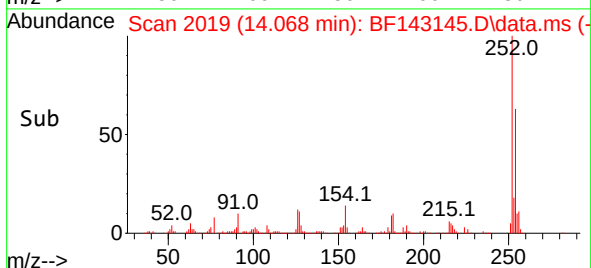
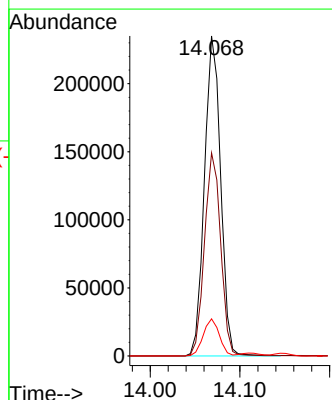
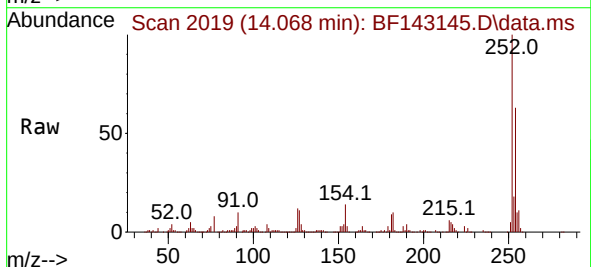
Tgt Ion:252 Resp: 294836

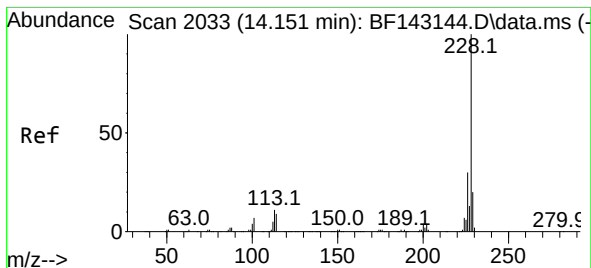
Ion Ratio Lower Upper

252 100

254 63.5 51.7 77.5

126 11.6 9.4 14.0





#83

Chrysene

Concen: 50.597 ng

RT: 14.151 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

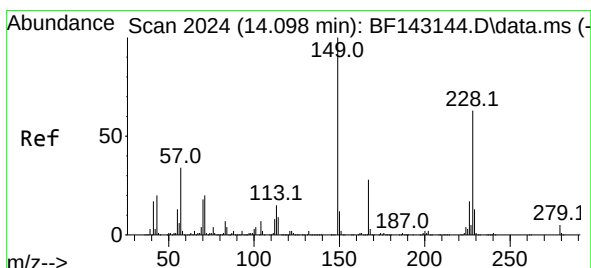
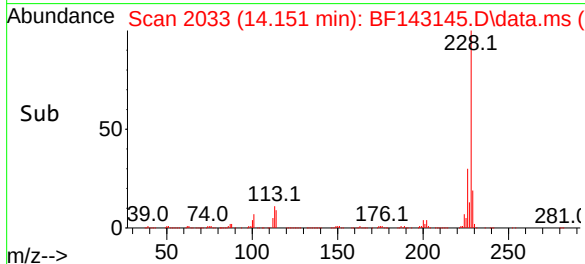
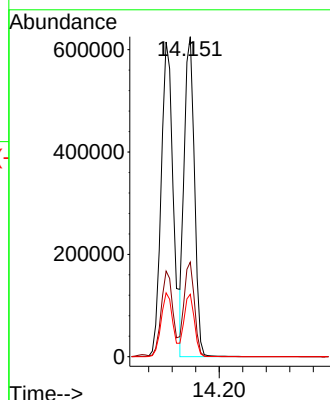
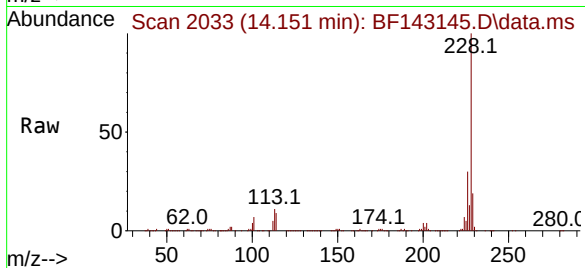
Tgt Ion:228 Resp: 754953

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.475 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

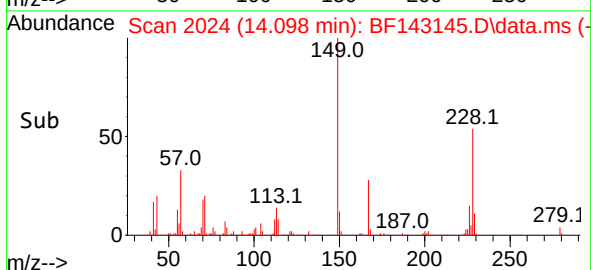
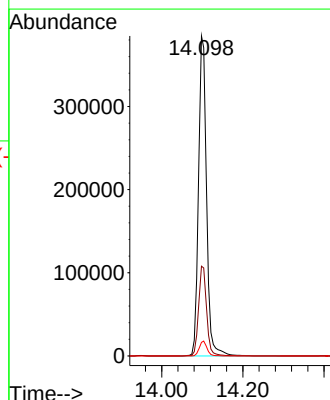
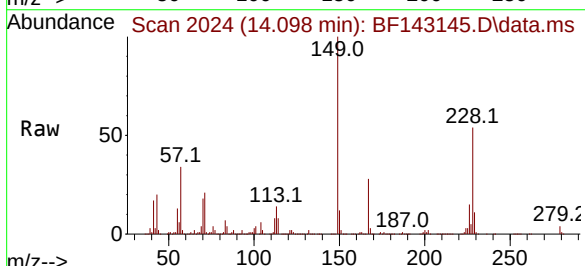
Tgt Ion:149 Resp: 534128

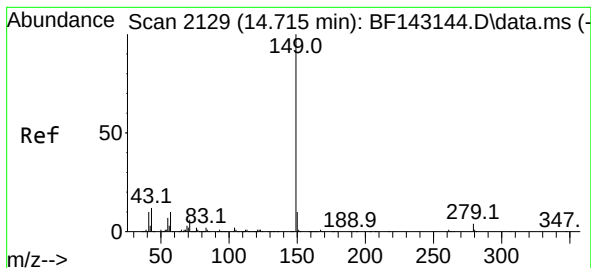
Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 4.3 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 54.032 ng

RT: 14.715 min Scan# 2129

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

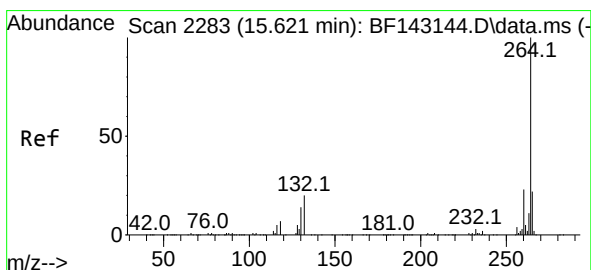
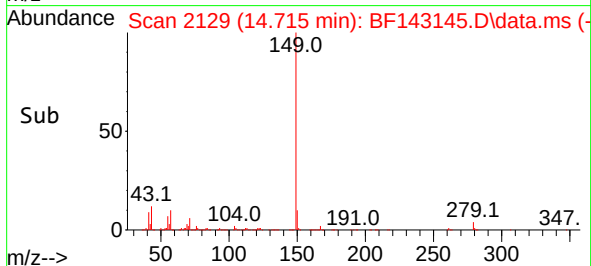
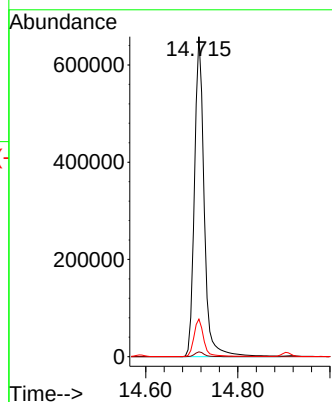
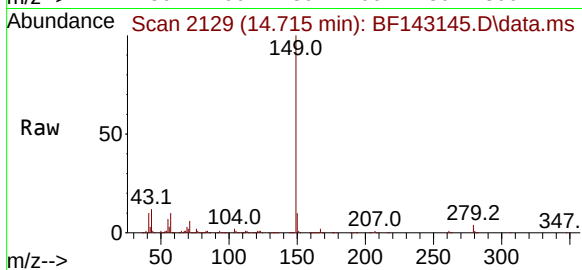
Tgt Ion:149 Resp: 960309

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 11.9 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

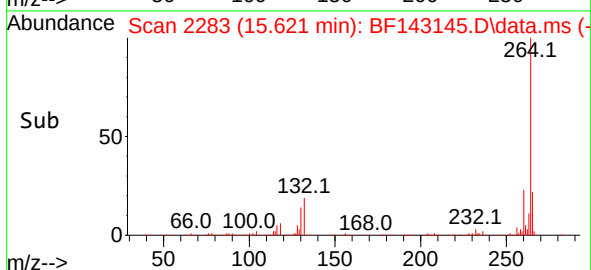
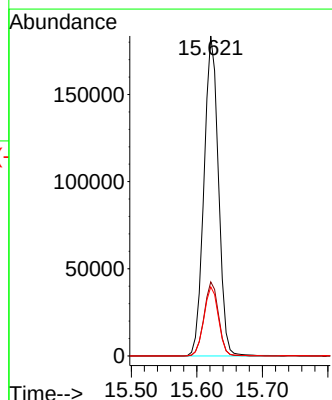
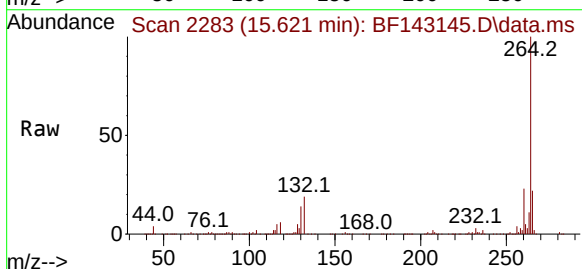
Tgt Ion:264 Resp: 282289

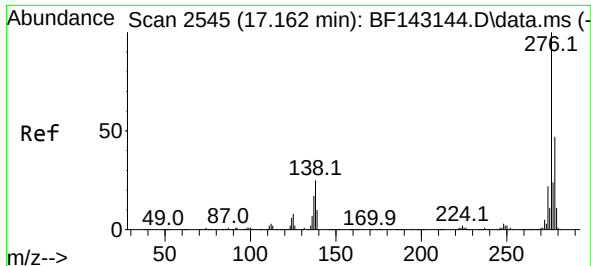
Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.6 17.4 26.2

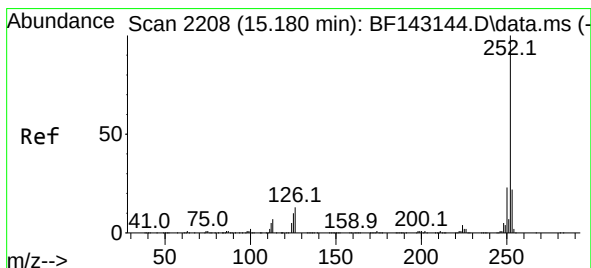
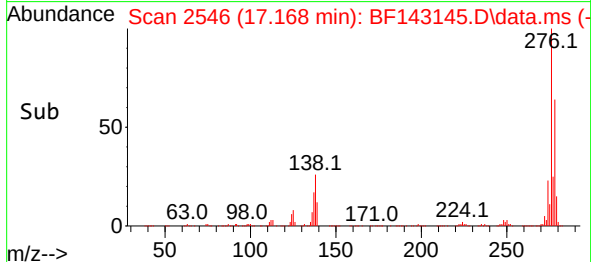
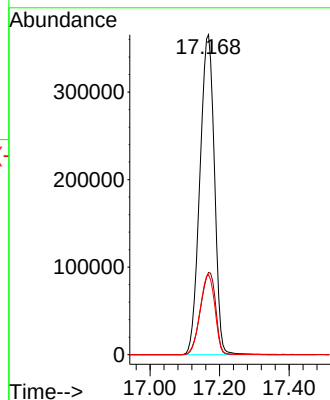
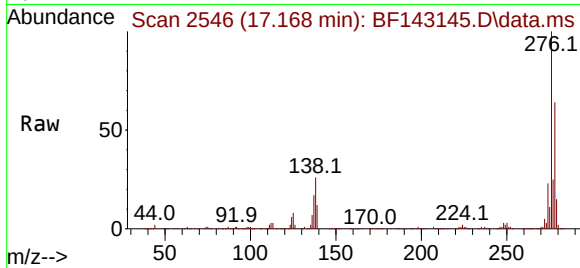




#87
Indeno(1,2,3-cd)pyrene
Concen: 53.347 ng
RT: 17.168 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

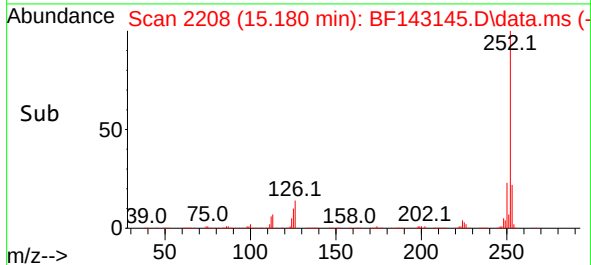
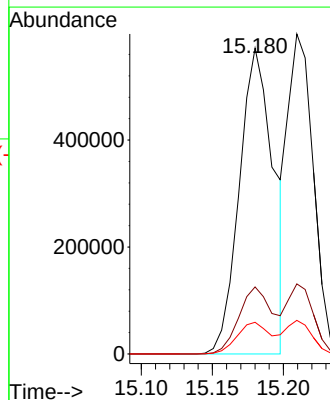
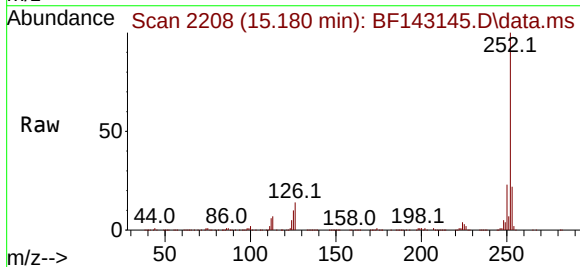
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

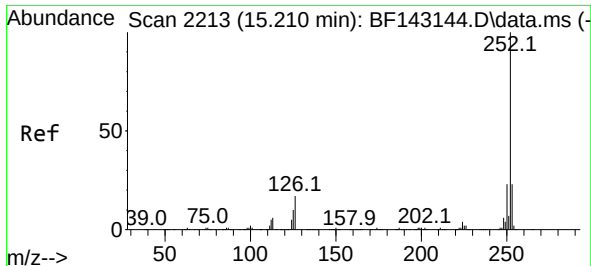
Tgt Ion:276 Resp: 1061877
Ion Ratio Lower Upper
276 100
138 26.8 21.8 32.6
277 25.4 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 55.319 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 953990
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 49.024 ng

RT: 15.209 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

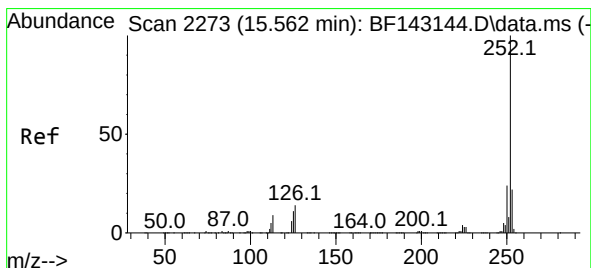
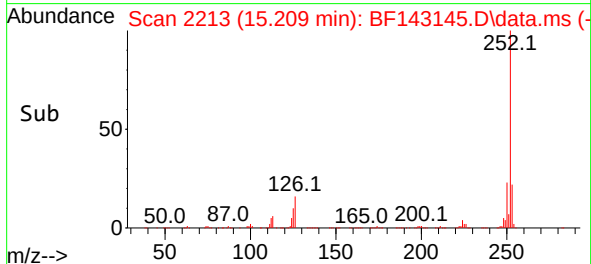
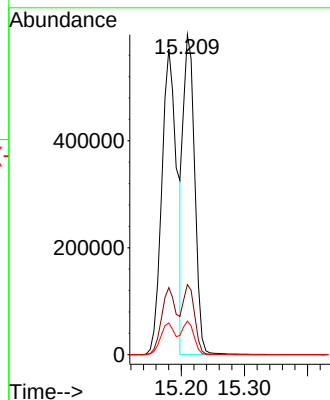
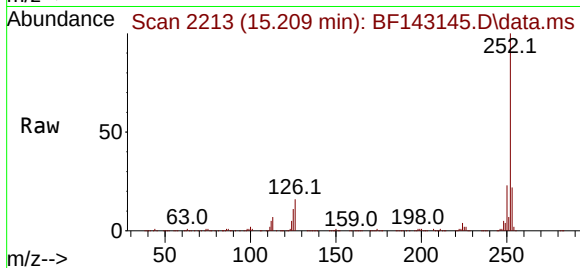
Tgt Ion:252 Resp: 754417

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 10.5 8.1 12.1



#90

Benzo(a)pyrene

Concen: 52.928 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

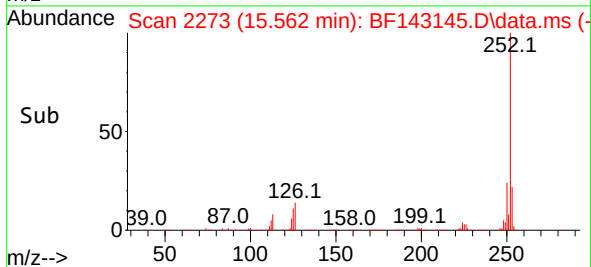
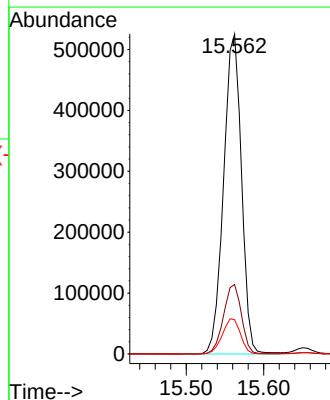
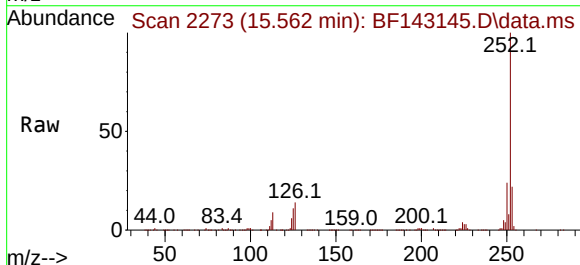
Tgt Ion:252 Resp: 840968

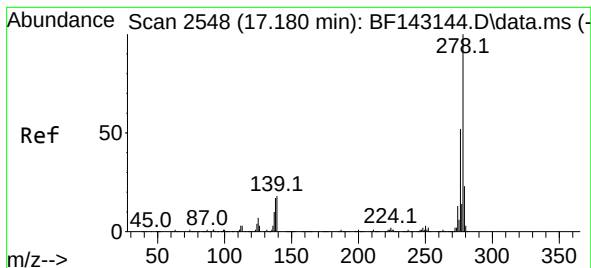
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 10.7 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 53.172 ng

RT: 17.186 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

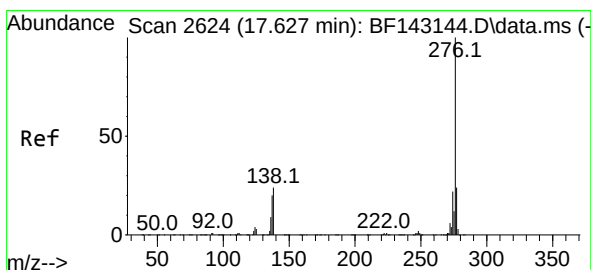
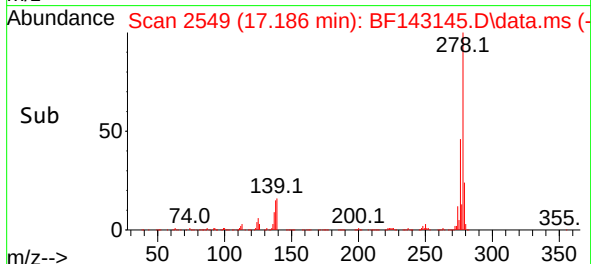
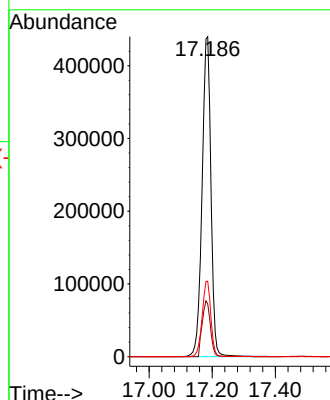
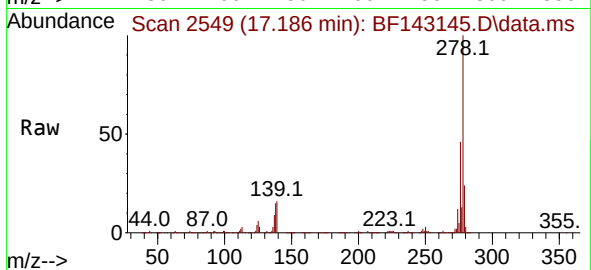
Tgt Ion:278 Resp: 861467

Ion Ratio Lower Upper

278 100

139 16.5 14.1 21.1

279 23.5 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 53.845 ng

RT: 17.633 min Scan# 2625

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

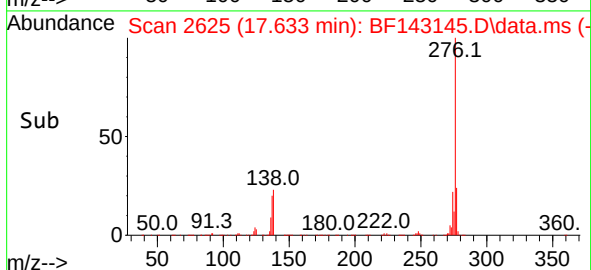
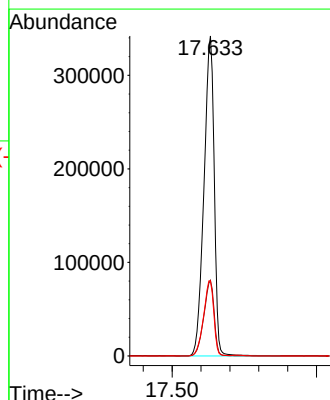
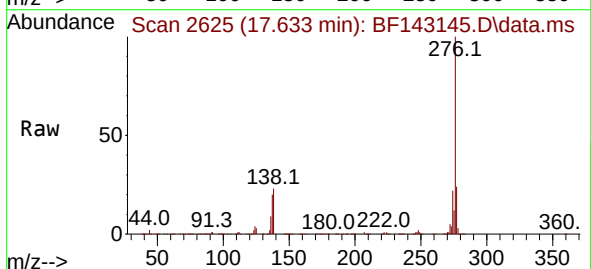
Tgt Ion:276 Resp: 843865

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 23.5 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143146.D
 Acq On : 17 Jul 2025 14:04
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Jul 17 15:05:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	153150	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	573541	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	286544	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	442888	20.000	ng	0.00
76) Chrysene-d12	14.121	240	264384	20.000	ng	0.00
86) Perylene-d12	15.621	264	315904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1096776	113.327	ng	0.00
7) Phenol-d6	6.587	99	1384010	113.616	ng	0.00
23) Nitrobenzene-d5	7.528	82	1367018	118.809	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	354678	119.817	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2274500	108.558	ng	0.00
79) Terphenyl-d14	13.069	244	1888544	106.298	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.805	88	268511	58.635	ng	99
3) Pyridine	3.581	79	700860	58.965	ng	99
4) n-Nitrosodimethylamine	3.534	42	369452	60.203	ng	99
6) Aniline	6.628	93	982918	57.896	ng	100
8) 2-Chlorophenol	6.751	128	589870	58.147	ng	98
9) Benzaldehyde	6.516	77	515585	56.445	ng	99
10) Phenol	6.604	94	797860	60.123	ng	96
11) bis(2-Chloroethyl)ether	6.698	93	588491	57.918	ng	99
12) 1,3-Dichlorobenzene	6.910	146	625605	56.769	ng	99
13) 1,4-Dichlorobenzene	6.981	146	623375	56.171	ng	98
14) 1,2-Dichlorobenzene	7.140	146	598571	56.708	ng	99
15) Benzyl Alcohol	7.098	79	548155	58.934	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1076628	57.120	ng	98
17) 2-Methylphenol	7.210	107	498077	58.393	ng	99
18) Hexachloroethane	7.481	117	225488	58.691	ng	99
19) n-Nitroso-di-n-propyla...	7.381	70	437750	56.012	ng	100
20) 3+4-Methylphenols	7.363	107	582354	56.273	ng	96
22) Acetophenone	7.375	105	760969	56.041	ng	99
24) Nitrobenzene	7.545	77	641832	59.832	ng	99
25) Isophorone	7.787	82	1202506	59.202	ng	99
26) 2-Nitrophenol	7.857	139	304218	65.345	ng	97
27) 2,4-Dimethylphenol	7.892	122	548823	57.833	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	696403	57.184	ng	99
29) 2,4-Dichlorophenol	8.098	162	466809	58.329	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	498478	57.653	ng	99
31) Naphthalene	8.269	128	1575696	55.784	ng	99
32) Benzoic acid	8.010	122	321703	58.961	ng	99
33) 4-Chloroaniline	8.310	127	659467	57.178	ng	99
34) Hexachlorobutadiene	8.392	225	307552	58.230	ng	99
35) Caprolactam	8.692	113	145894	60.327	ng	100
36) 4-Chloro-3-methylphenol	8.787	107	506142	58.186	ng	99
37) 2-Methylnaphthalene	8.957	142	966031	56.203	ng	99
38) 1-Methylnaphthalene	9.057	142	997009	56.329	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	479450	57.955	ng	99
41) Hexachlorocyclopentadiene	9.116	237	337833	62.761	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	344941	60.246	ng	99

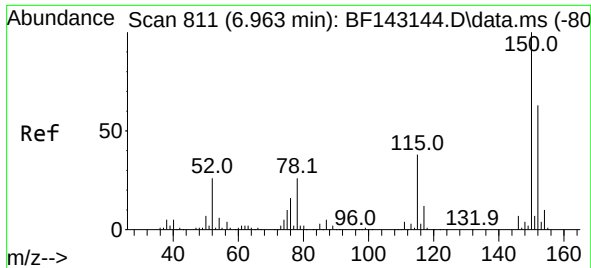
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143146.D
 Acq On : 17 Jul 2025 14:04
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Jul 17 15:05:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	339656	59.305	ng	99
46) 1,1'-Biphenyl	9.422	154	1265588	56.610	ng	100
47) 2-Chloronaphthalene	9.451	162	948912	57.364	ng	100
48) 2-Nitroaniline	9.534	65	331501	63.904	ng	99
49) Acenaphthylene	9.863	152	1576240	56.860	ng	100
50) Dimethylphthalate	9.722	163	1075052	57.558	ng	100
51) 2,6-Dinitrotoluene	9.775	165	238103	62.665	ng	97
52) Acenaphthene	10.039	154	930883	56.814	ng	98
53) 3-Nitroaniline	9.945	138	273506	61.542	ng	100
54) 2,4-Dinitrophenol	10.045	184	101491	60.690	ng	72
55) Dibenzofuran	10.210	168	1364531	56.093	ng	100
56) 4-Nitrophenol	10.092	139	203477	61.312	ng	99
57) 2,4-Dinitrotoluene	10.181	165	304460	63.868	ng	97
58) Fluorene	10.551	166	997710	54.647	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	283124	59.678	ng	99
60) Diethylphthalate	10.422	149	1057851	57.301	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	516980	56.867	ng	99
62) 4-Nitroaniline	10.563	138	232488	61.037	ng	98
63) Azobenzene	10.698	77	1098772	57.107	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	144751	60.728	ng	98
66) n-Nitrosodiphenylamine	10.657	169	910468	58.380	ng	98
67) 4-Bromophenyl-phenylether	11.028	248	318085	60.266	ng	99
68) Hexachlorobenzene	11.104	284	325779	59.054	ng	96
69) Atrazine	11.181	200	262374	61.024	ng	100
70) Pentachlorophenol	11.286	266	206417	63.625	ng	98
71) Phenanthrene	11.510	178	1331485	56.620	ng	100
72) Anthracene	11.563	178	1379601	57.522	ng	100
73) Carbazole	11.710	167	1194026	57.015	ng	100
74) Di-n-butylphthalate	12.045	149	1392335	58.757	ng	100
75) Fluoranthene	12.698	202	1232952	57.122	ng	99
77) Benzidine	12.810	184	476553	46.785	ng	100
78) Pyrene	12.927	202	1207978	53.536	ng	99
80) Butylbenzylphthalate	13.539	149	441334	63.875	ng	99
81) Benzo(a)anthracene	14.110	228	1041236	58.825	ng	99
82) 3,3'-Dichlorobenzidine	14.069	252	348979	59.155	ng	100
83) Chrysene	14.151	228	930545	58.472	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	655482	62.678	ng	100
85) Di-n-octyl phthalate	14.716	149	1196044	63.095	ng	100
87) Indeno(1,2,3-cd)pyrene	17.168	276	1337361	60.037	ng	99
88) Benzo(b)fluoranthene	15.180	252	1125667	58.328	ng	100
89) Benzo(k)fluoranthene	15.216	252	1023132	59.411	ng	99
90) Benzo(a)pyrene	15.563	252	1062049	59.730	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	1080768	59.610	ng	98
92) Benzo(g,h,i)perylene	17.639	276	1055168	60.163	ng	99

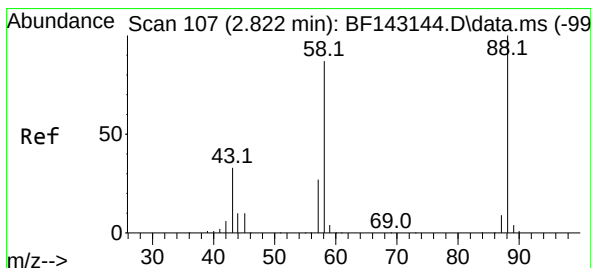
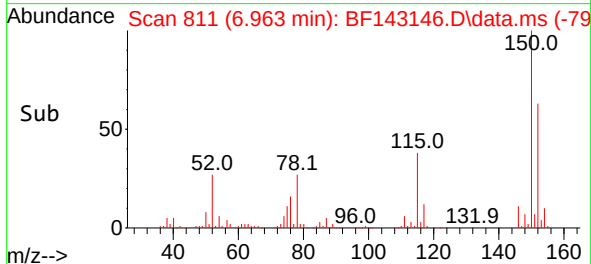
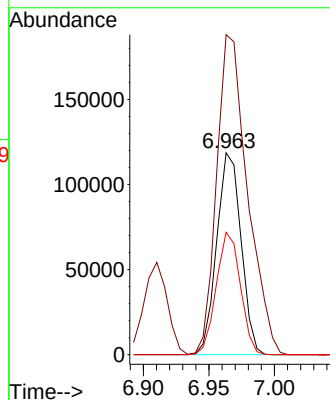
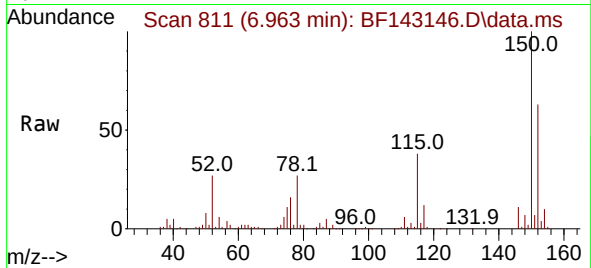
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

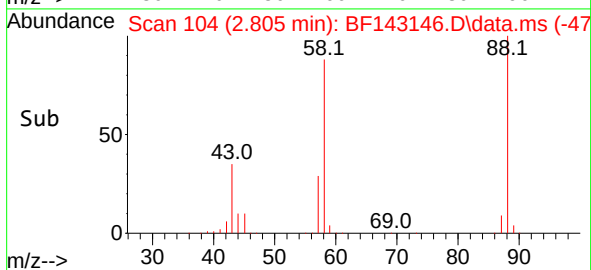
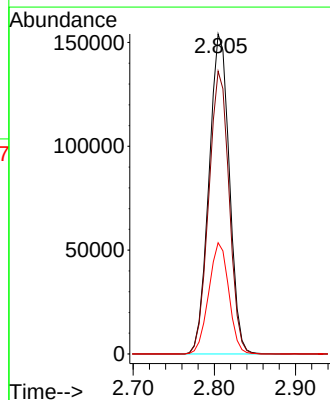
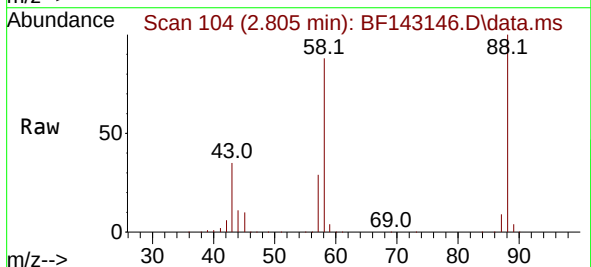
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

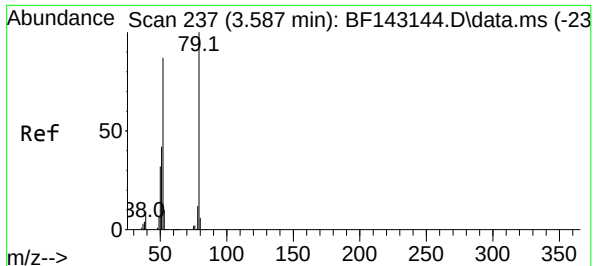
Tgt Ion:152 Resp: 153150
Ion Ratio Lower Upper
152 100
150 158.5 128.2 192.4
115 60.7 47.9 71.9



#2
1,4-Dioxane
Concen: 58.635 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 88 Resp: 268511
Ion Ratio Lower Upper
88 100
58 88.2 70.2 105.2
43 34.2 27.1 40.7

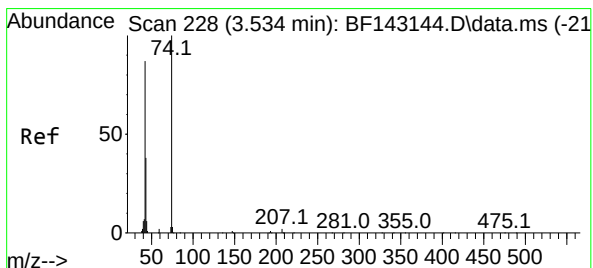
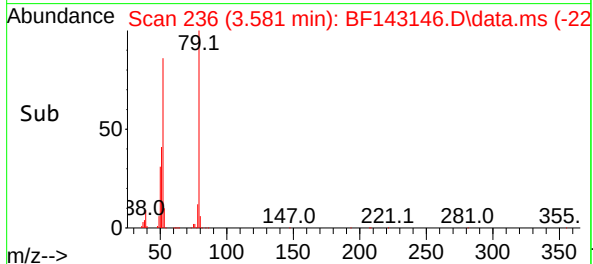
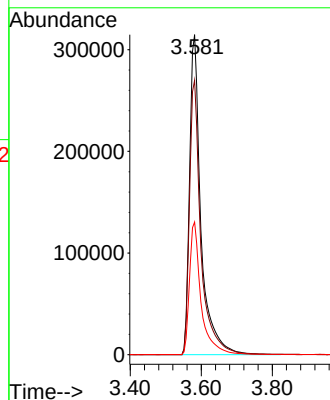
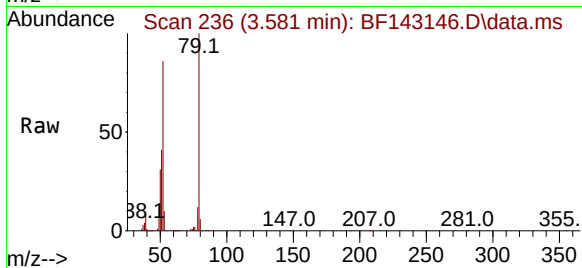




#3
Pyridine
Concen: 58.965 ng
RT: 3.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

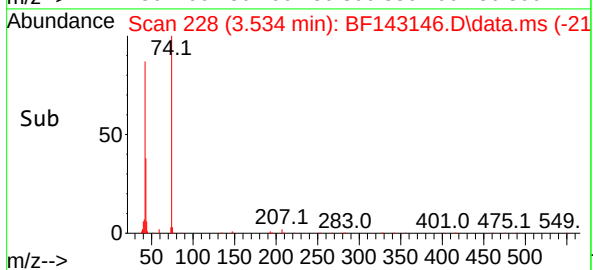
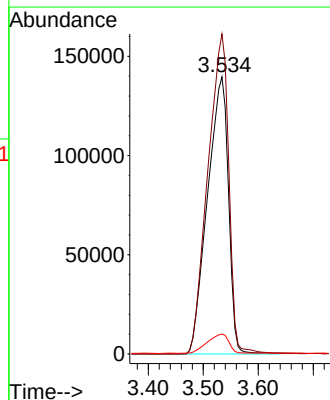
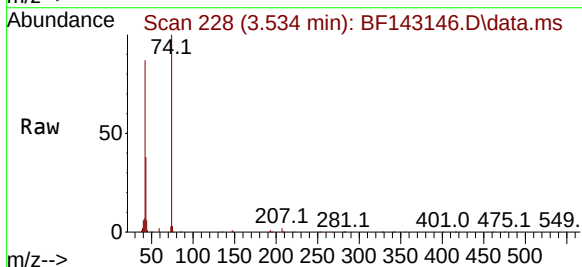
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

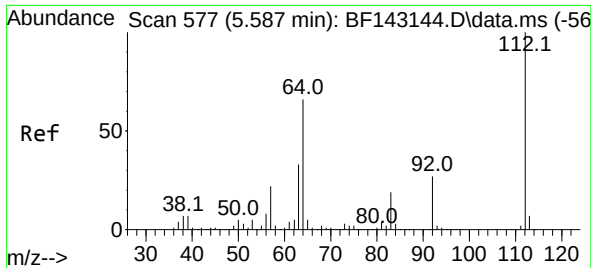
Tgt Ion: 79 Resp: 700860
Ion Ratio Lower Upper
79 100
52 85.7 69.4 104.2
51 41.4 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 60.203 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 42 Resp: 369452
Ion Ratio Lower Upper
42 100
74 115.5 91.7 137.5
44 7.2 5.6 8.4

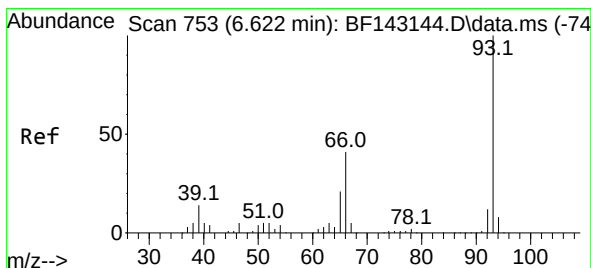
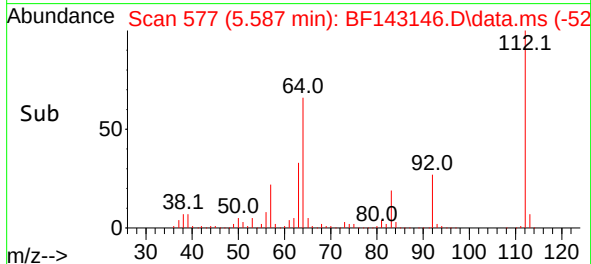
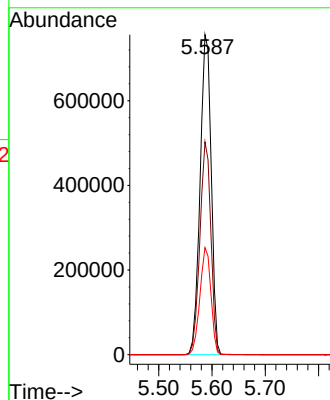
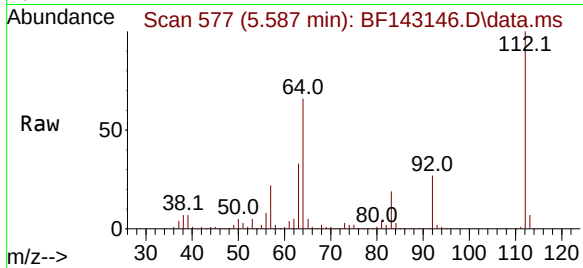




#5
2-Fluorophenol
Concen: 113.327 ng
RT: 5.587 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

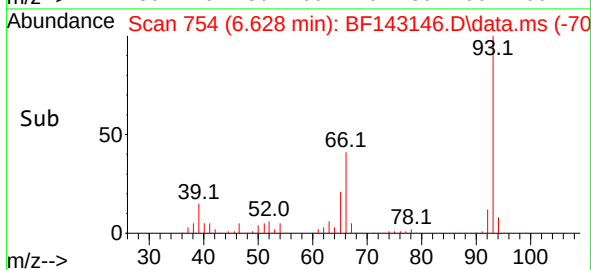
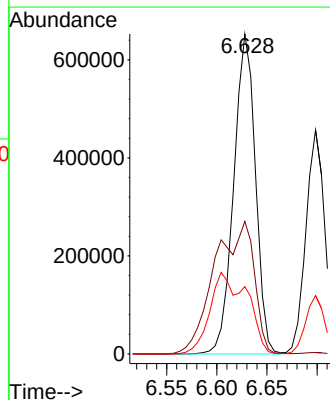
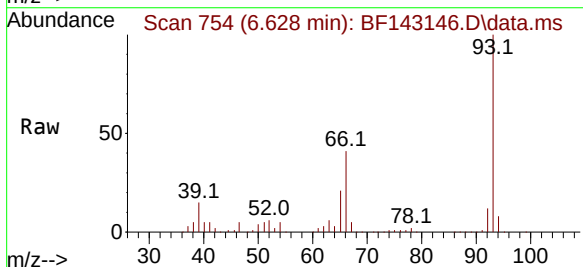
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

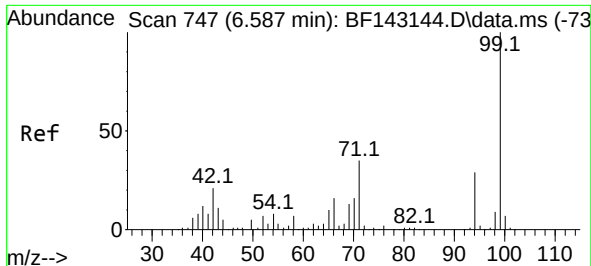
Tgt Ion:112 Resp: 1096776
Ion Ratio Lower Upper
112 100
64 66.5 53.1 79.7
63 33.4 26.6 40.0



#6
Aniline
Concen: 57.896 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 93 Resp: 982918
Ion Ratio Lower Upper
93 100
66 41.4 33.2 49.8
65 21.0 16.9 25.3

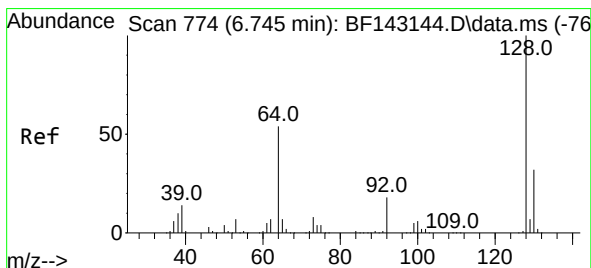
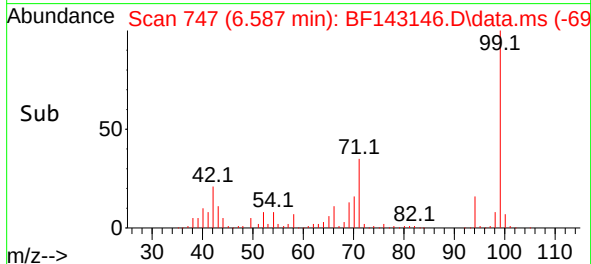
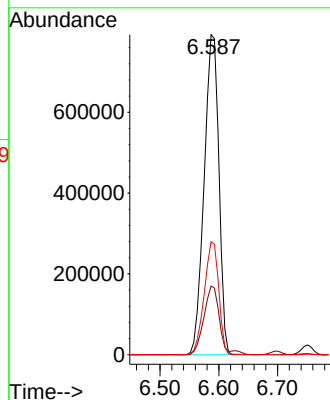
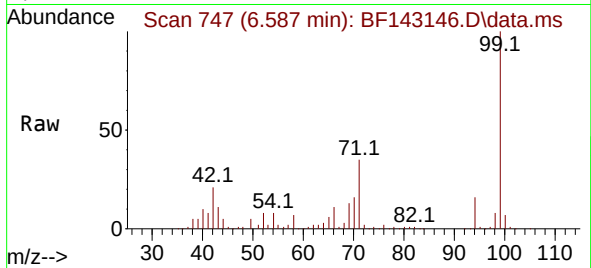




#7
Phenol-d6
Concen: 113.616 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

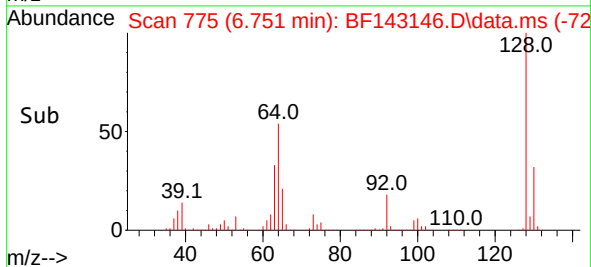
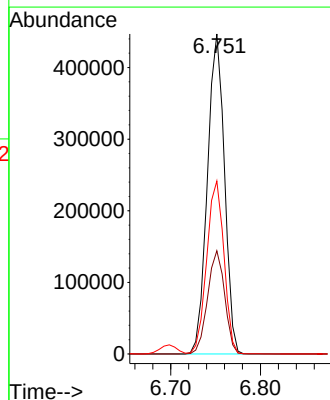
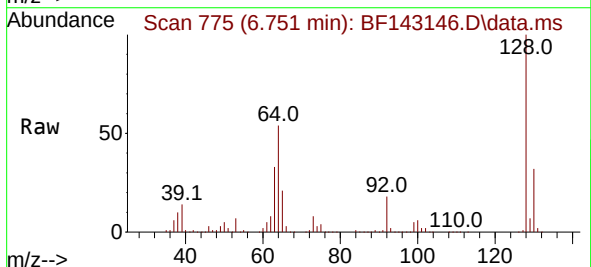
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

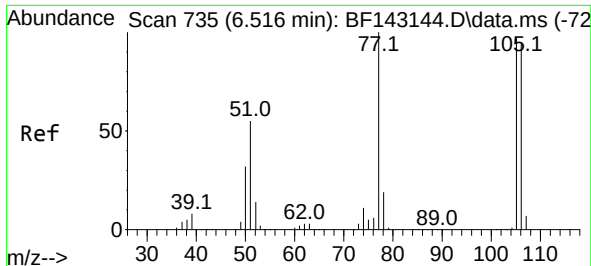
Tgt Ion: 99 Resp: 1384010
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 35.3 27.7 41.5



#8
2-Chlorophenol
Concen: 58.147 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:128 Resp: 589870
Ion Ratio Lower Upper
128 100
130 32.3 12.3 52.3
64 54.0 35.9 75.9

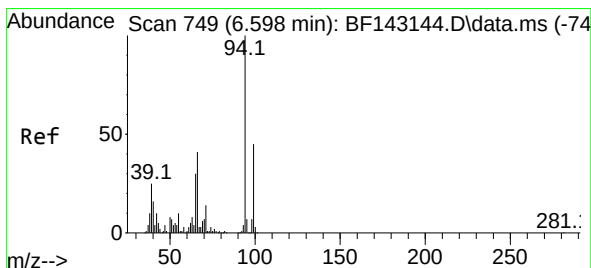
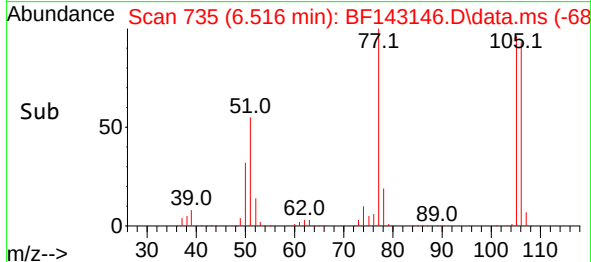
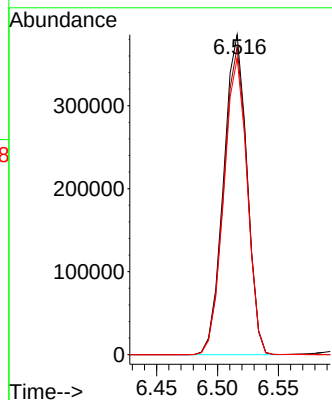
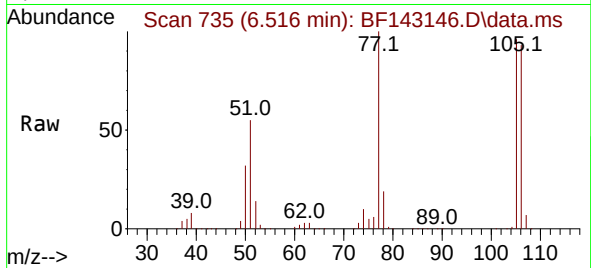




#9
Benzaldehyde
Concen: 56.445 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

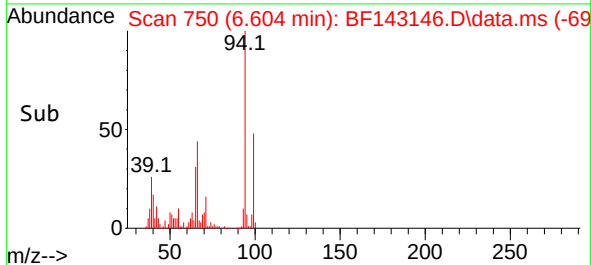
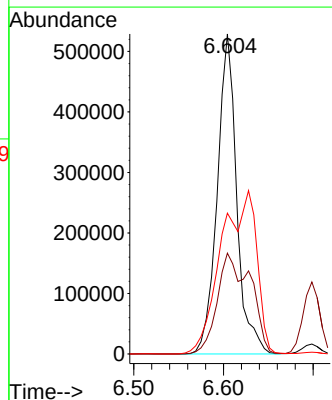
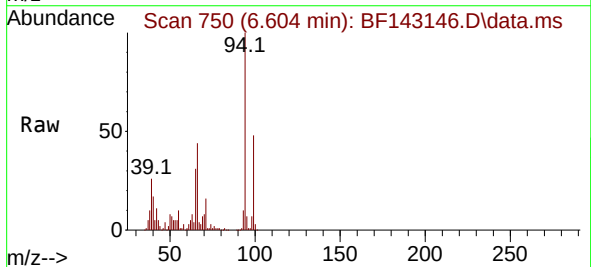
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

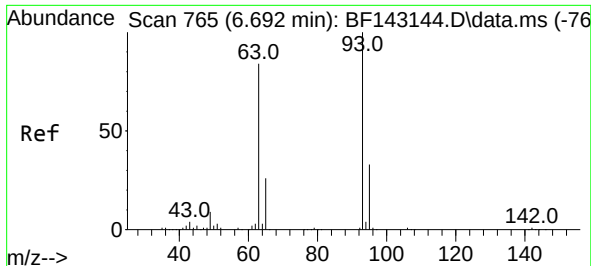
Tgt Ion: 77 Resp: 515585
Ion Ratio Lower Upper
77 100
105 96.1 76.8 116.8
106 92.7 74.4 114.4



#10
Phenol
Concen: 60.123 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 94 Resp: 797860
Ion Ratio Lower Upper
94 100
65 31.5 10.0 50.0
66 44.0 20.8 60.8

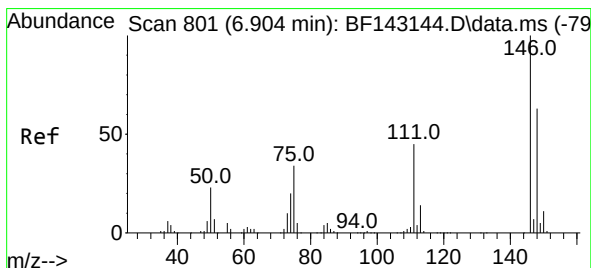
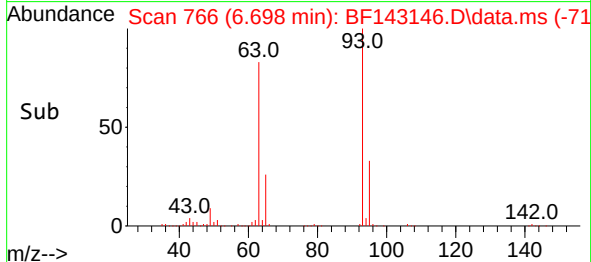
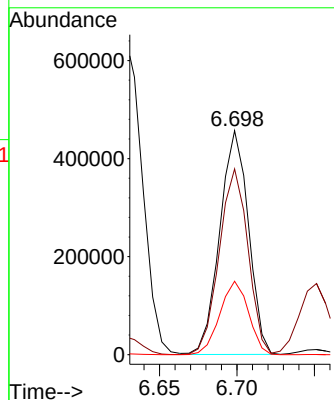
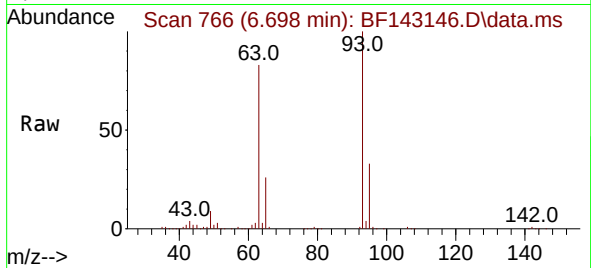




#11
bis(2-Chloroethyl)ether
Concen: 57.918 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

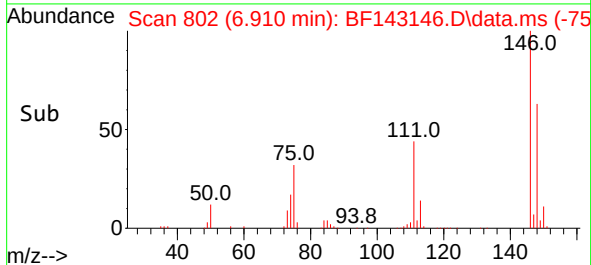
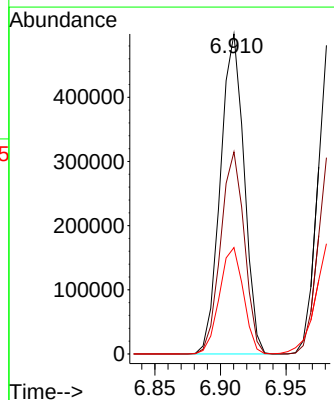
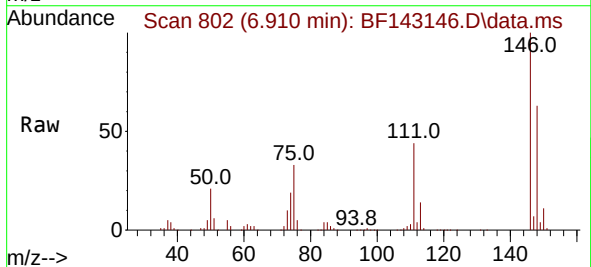
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

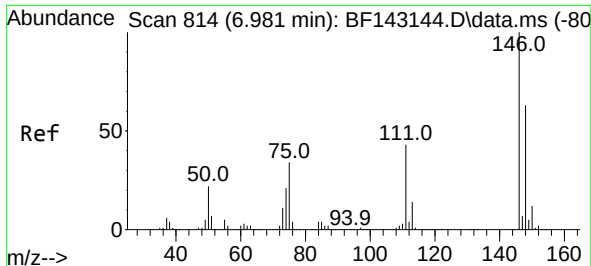
Tgt Ion: 93 Resp: 588491
Ion Ratio Lower Upper
93 100
63 82.9 63.4 103.4
95 32.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 56.769 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:146 Resp: 625605
Ion Ratio Lower Upper
146 100
148 63.1 50.6 76.0
75 33.2 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 56.171 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

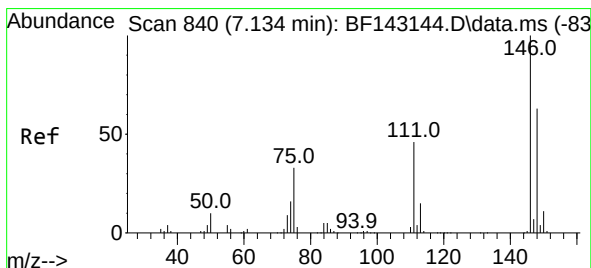
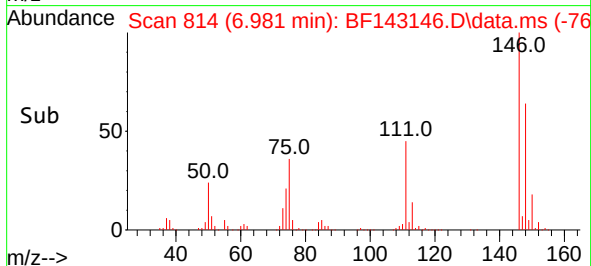
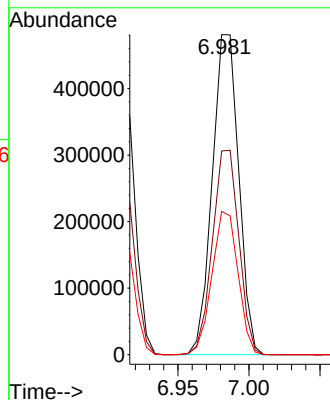
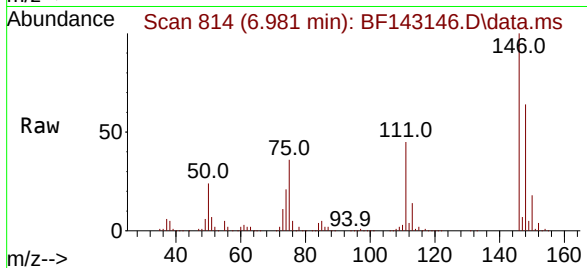
Tgt Ion:146 Resp: 623375

Ion Ratio Lower Upper

146 100

148 63.6 50.3 75.5

111 44.7 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 56.708 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

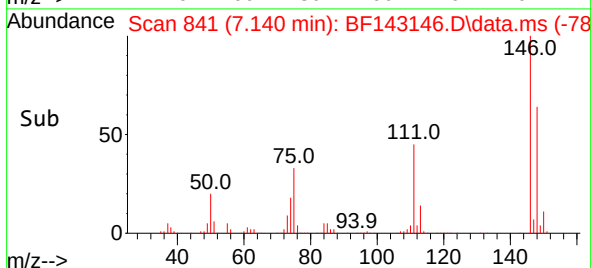
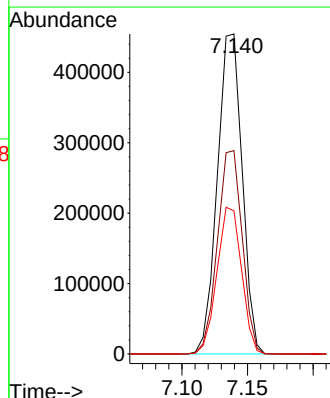
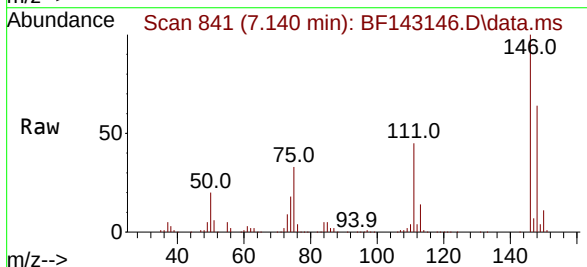
Tgt Ion:146 Resp: 598571

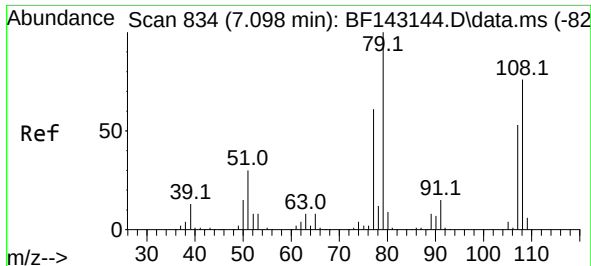
Ion Ratio Lower Upper

146 100

148 63.6 50.7 76.1

111 44.8 36.6 54.8



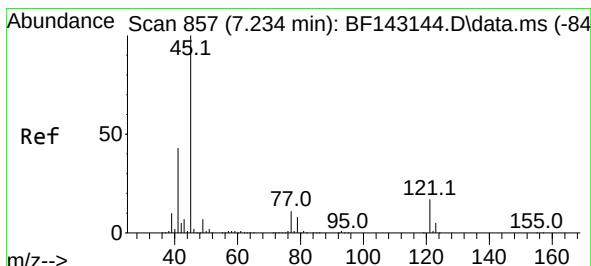
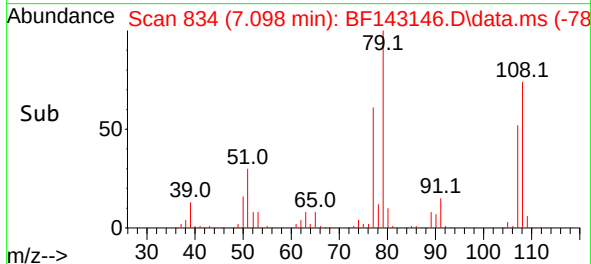
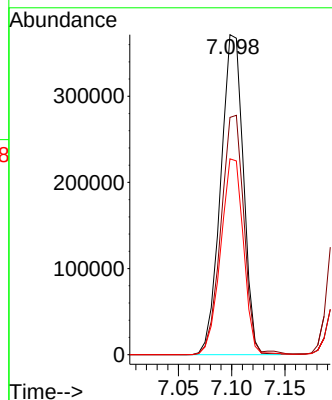
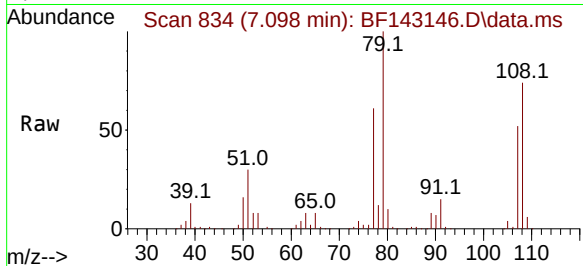


#15
Benzyl Alcohol
Concen: 58.934 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 548155

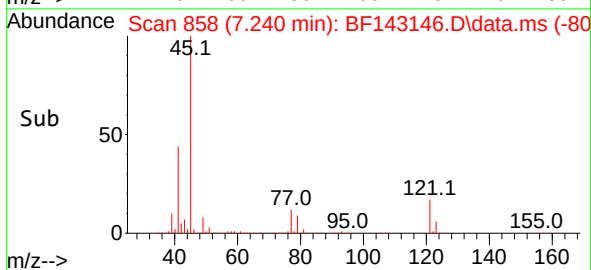
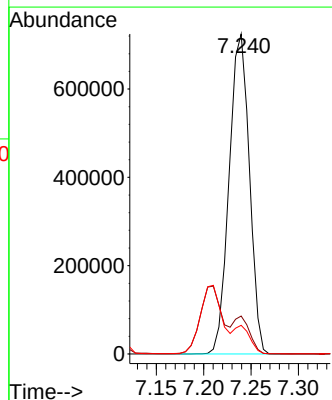
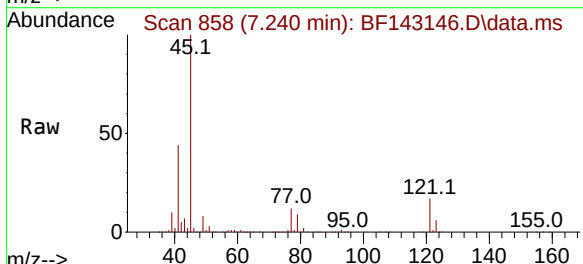
Ion	Ratio	Lower	Upper
79	100		
108	74.2	61.1	91.7
77	61.2	48.9	73.3

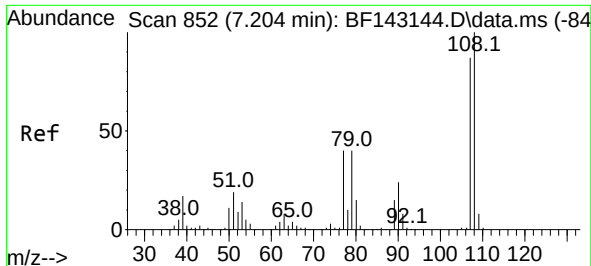


#16
2,2'-oxybis(1-chloropropane)
Concen: 57.120 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 45 Resp: 1076628

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.2
79	9.0	0.0	28.5

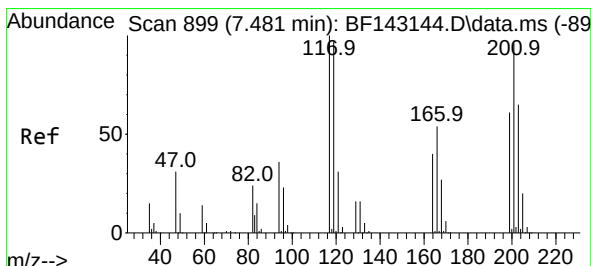
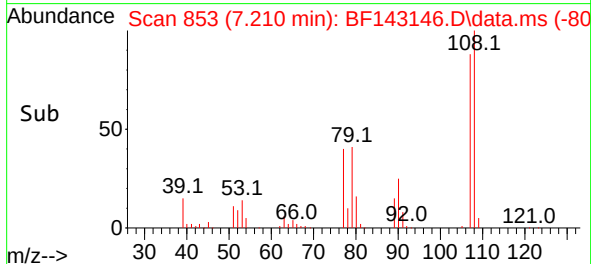
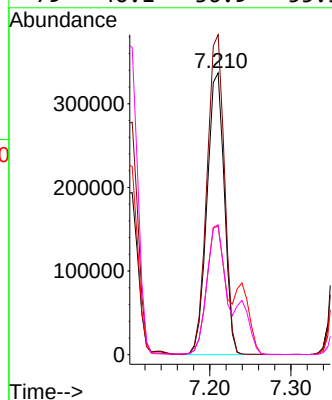
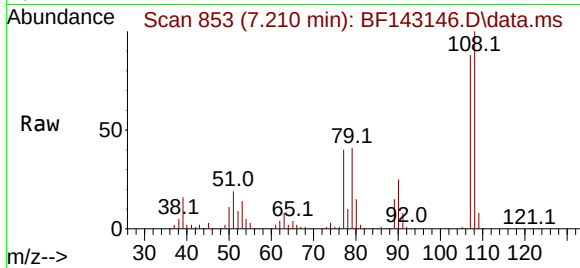




#17
2-Methylphenol
Concen: 58.393 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

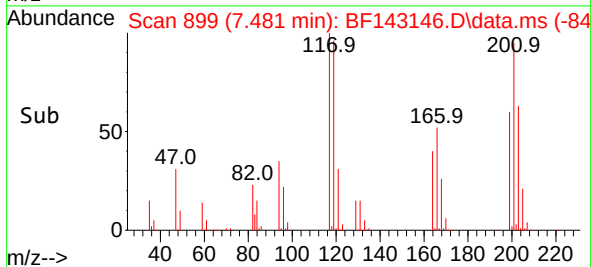
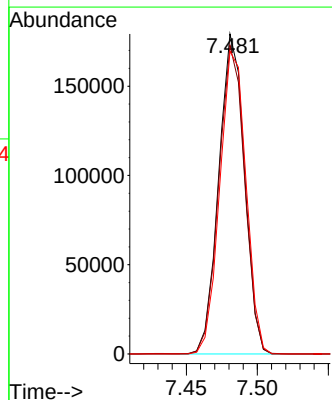
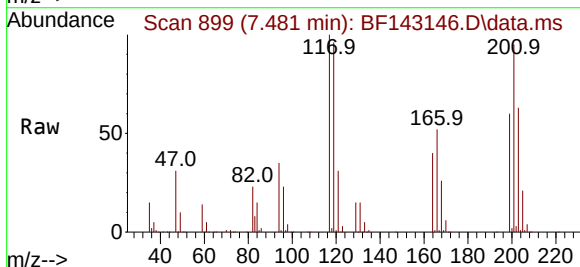
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

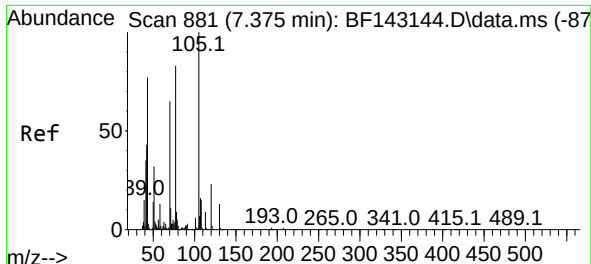
Tgt Ion:	107	Resp:	498077
Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.8	137.6
77	45.6	37.0	55.6
79	46.1	36.9	55.3



#18
Hexachloroethane
Concen: 58.691 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:	117	Resp:	225488
Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.8	116.8
201	94.6	77.0	115.4



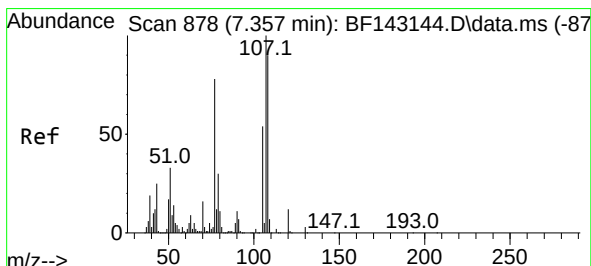
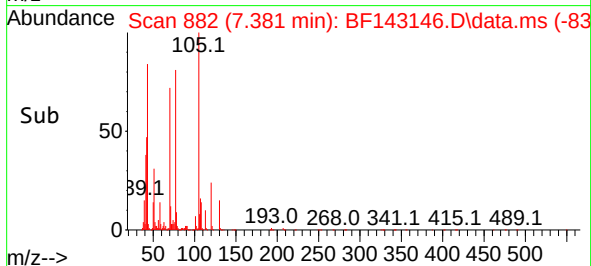
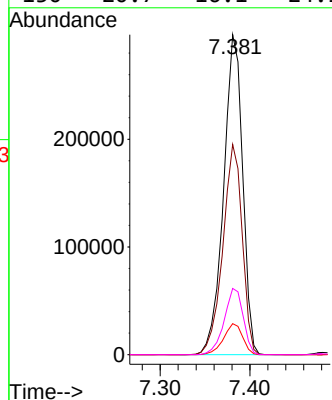
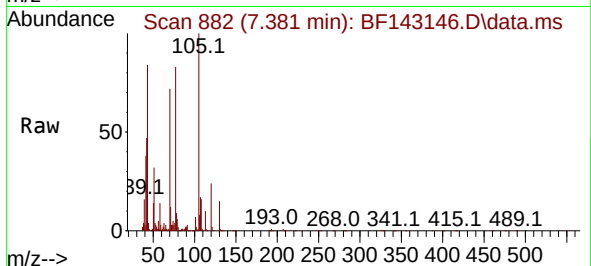


#19
n-Nitroso-di-n-propylamine
Concen: 56.012 ng
RT: 7.381 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 437750

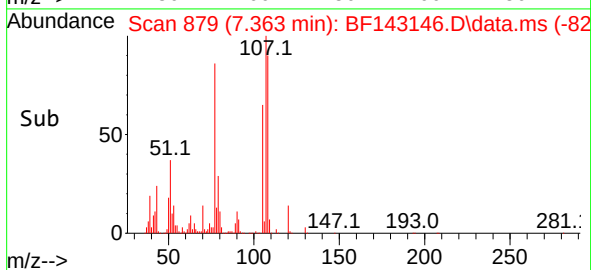
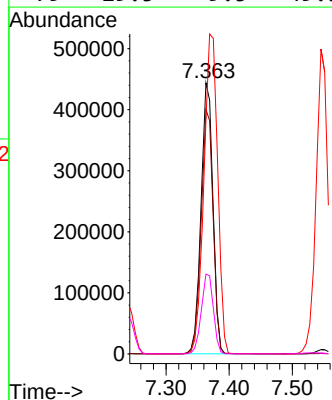
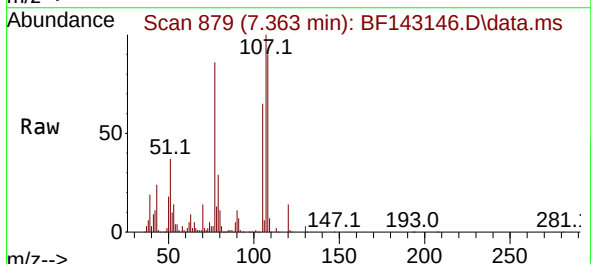
Ion	Ratio	Lower	Upper
70	100		
42	65.7	52.5	78.7
101	9.7	7.6	11.4
130	20.7	16.1	24.1

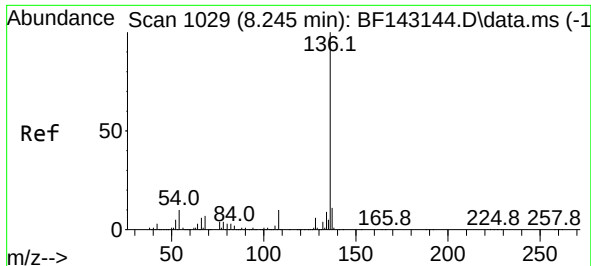


#20
3+4-Methylphenols
Concen: 56.273 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 107 Resp: 582354

Ion	Ratio	Lower	Upper
107	100		
108	90.1	70.0	110.0
77	86.3	57.8	97.8
79	29.5	9.5	49.5

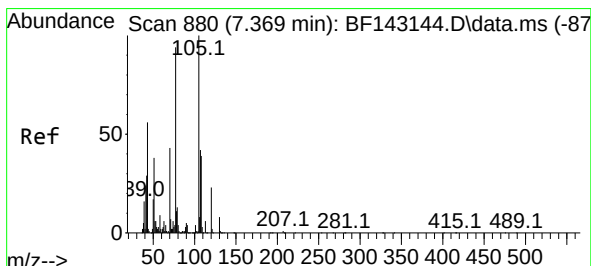
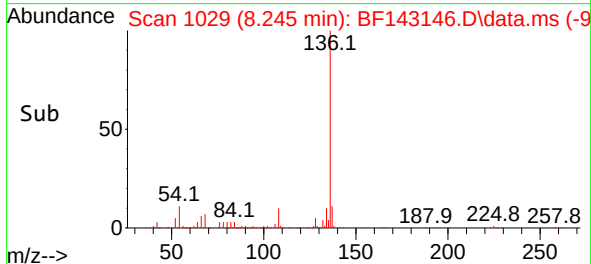
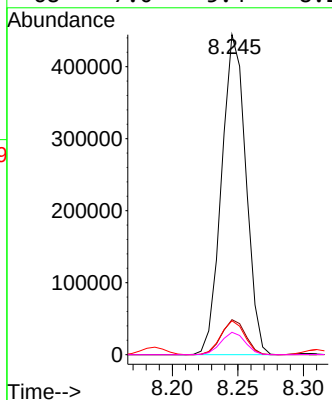
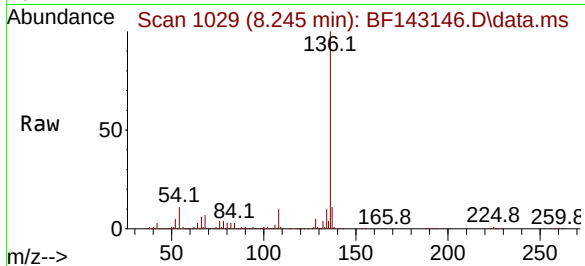




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

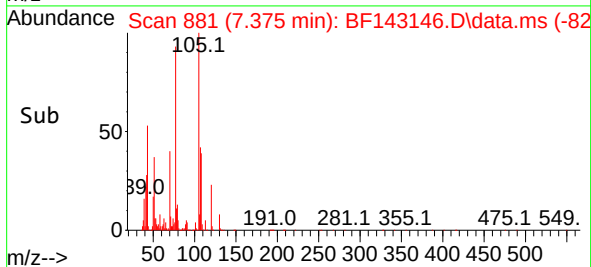
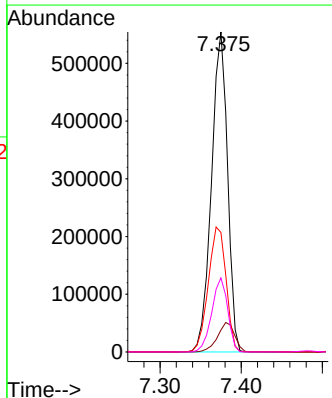
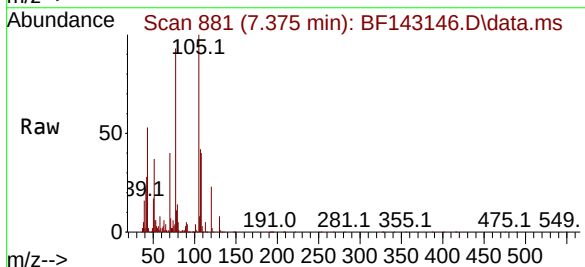
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

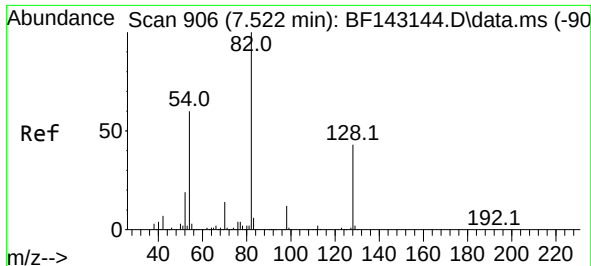
Tgt	Ion:136	Resp:	573541
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.6	8.2	12.2
68	7.0	5.4	8.2



#22
Acetophenone
Concen: 56.041 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt	Ion:105	Resp:	760969
Ion	Ratio	Lower	Upper
105	100		
71	6.9	5.8	8.6
51	37.4	30.2	45.2
120	23.2	18.2	27.4

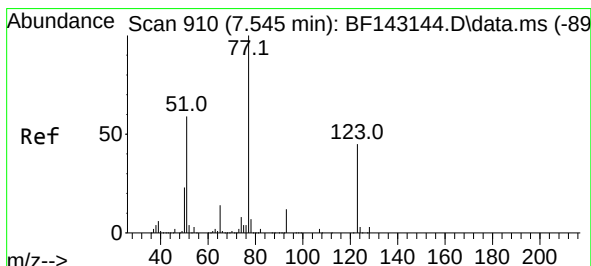
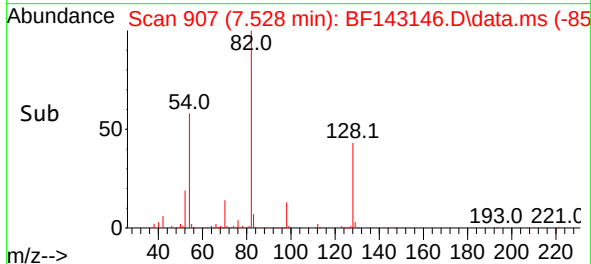
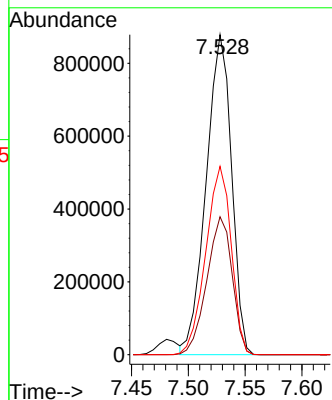
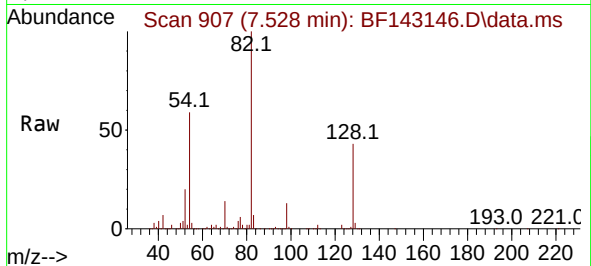




#23
Nitrobenzene-d5
Concen: 118.809 ng
RT: 7.528 min Scan# 906
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

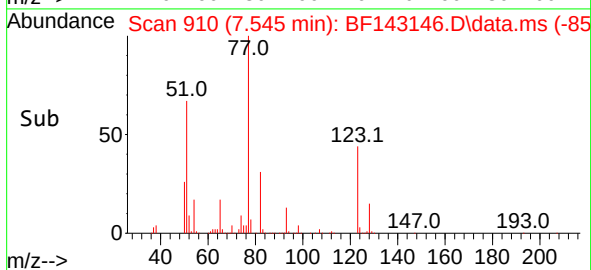
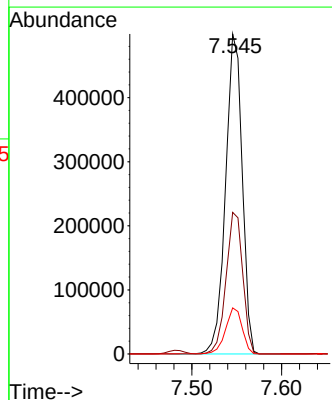
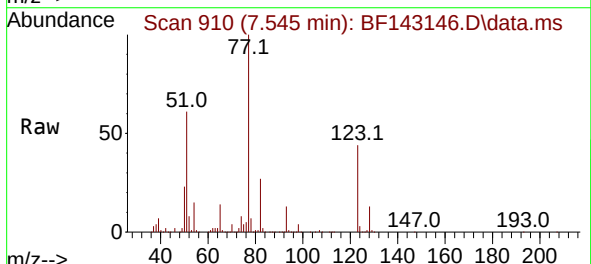
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

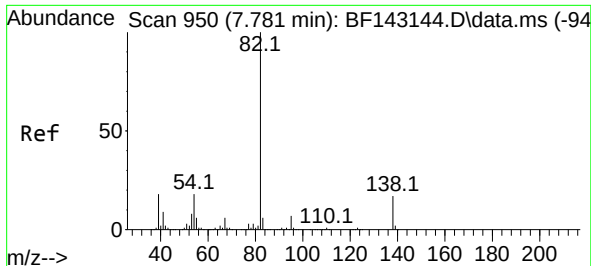
Tgt Ion: 82 Resp: 1367018
Ion Ratio Lower Upper
82 100
128 43.1 33.6 50.4
54 58.9 47.1 70.7



#24
Nitrobenzene
Concen: 59.832 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 77 Resp: 641832
Ion Ratio Lower Upper
77 100
123 44.3 36.1 54.1
65 14.4 11.4 17.2

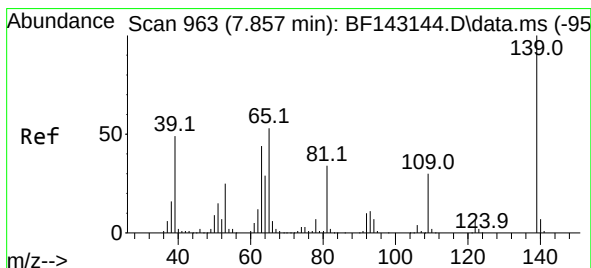
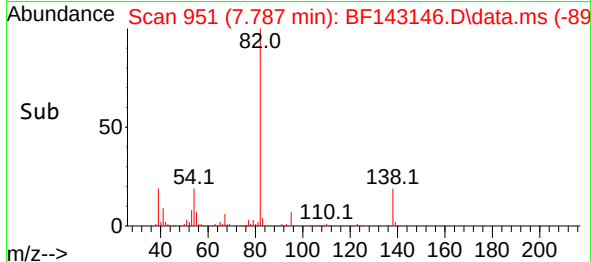
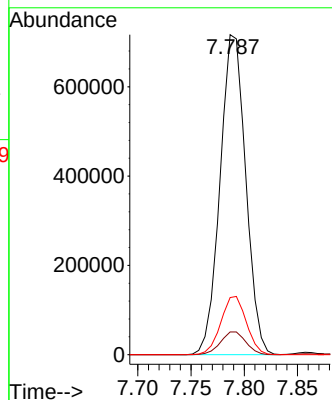
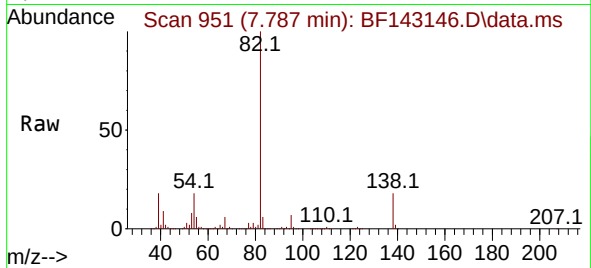




#25
Isophorone
Concen: 59.202 ng
RT: 7.787 min Scan# 951
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

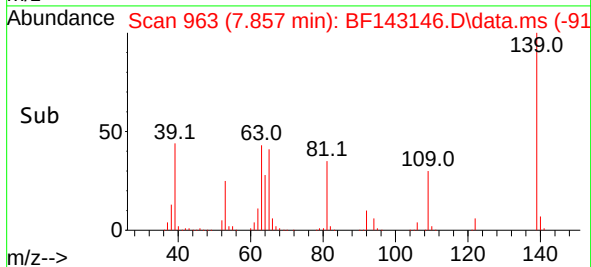
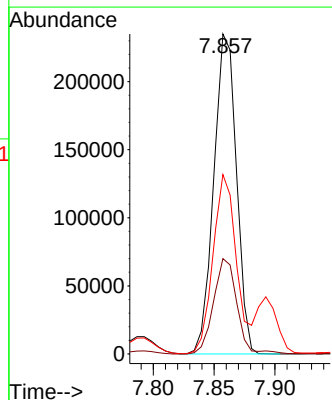
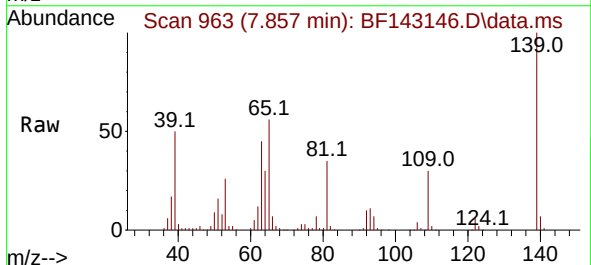
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

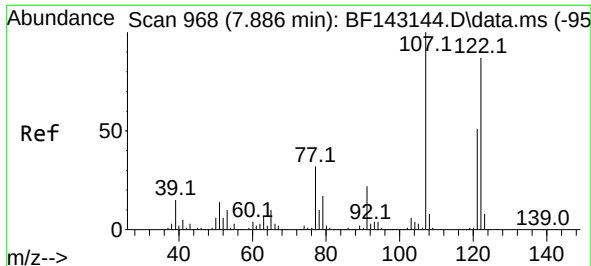
Tgt Ion: 82 Resp: 1202506
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 17.9 13.8 20.8



#26
2-Nitrophenol
Concen: 65.345 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:139 Resp: 304218
Ion Ratio Lower Upper
139 100
109 29.8 23.6 35.4
65 56.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 57.833 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

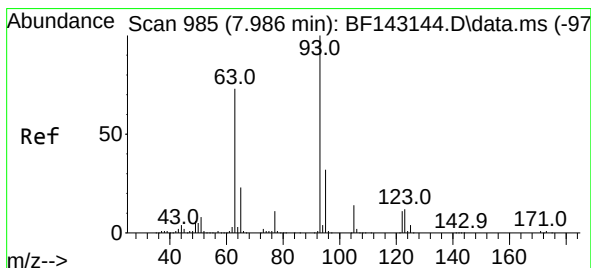
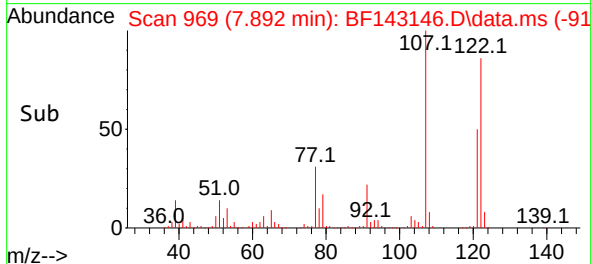
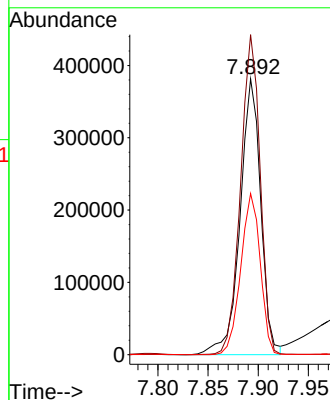
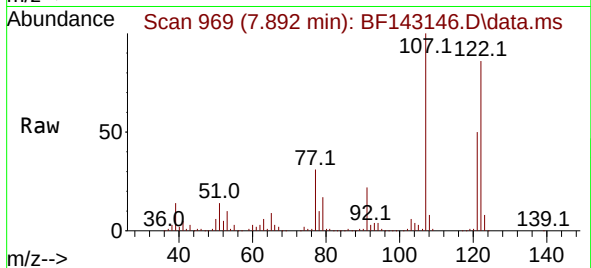
Tgt Ion:122 Resp: 548823

Ion Ratio Lower Upper

122 100

107 116.0 91.8 137.6

121 58.4 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 57.184 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

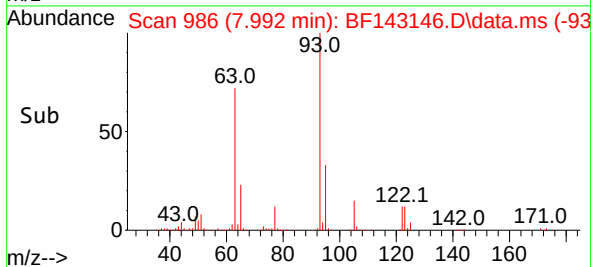
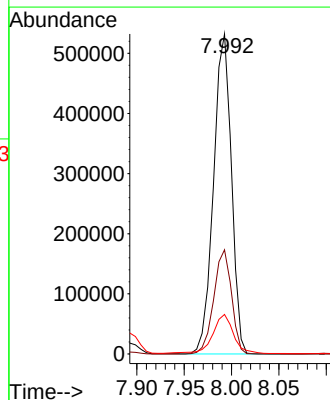
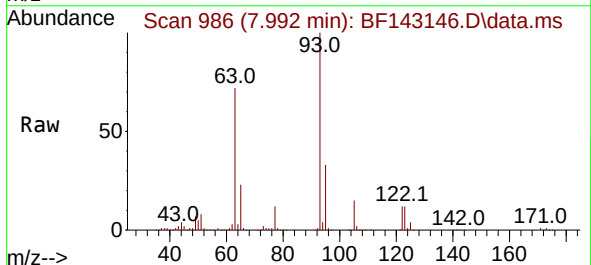
Tgt Ion: 93 Resp: 696403

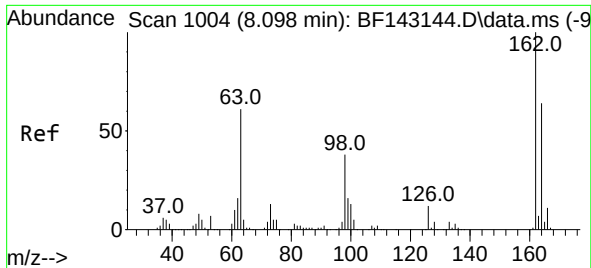
Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.6

123 12.4 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 58.329 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

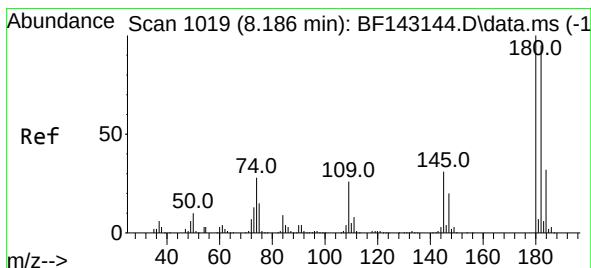
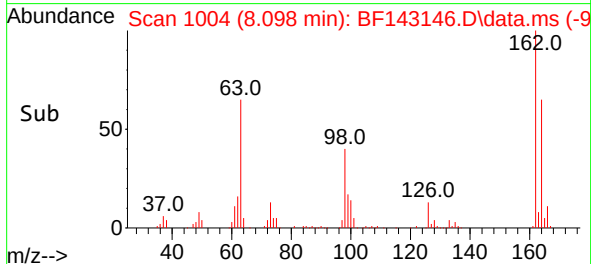
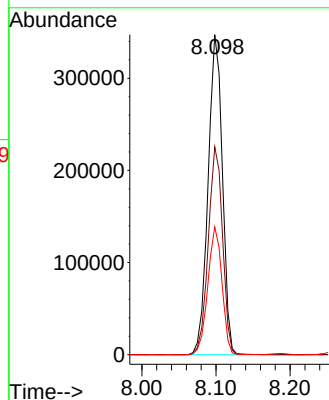
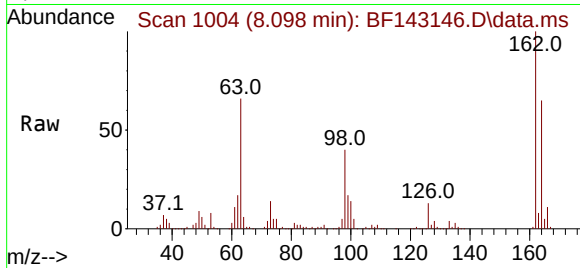
Tgt Ion:162 Resp: 466809

Ion Ratio Lower Upper

162 100

164 64.9 44.2 84.2

98 39.9 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 57.653 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

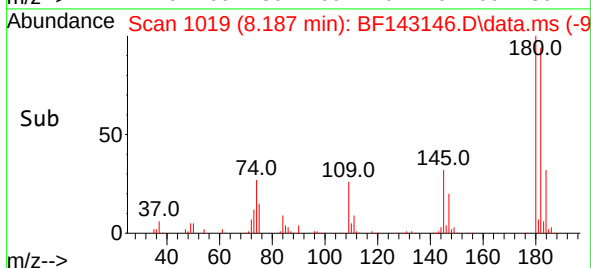
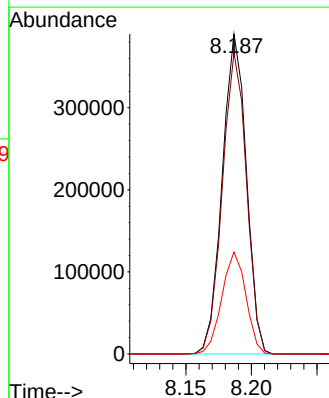
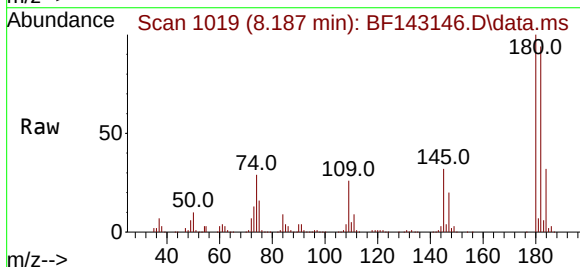
Tgt Ion:180 Resp: 498478

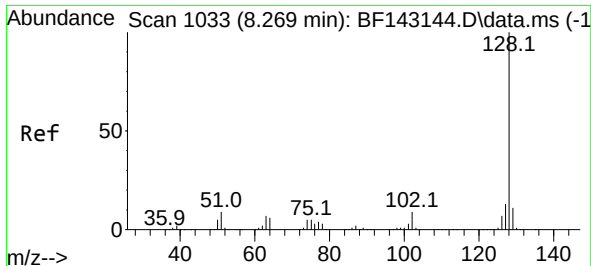
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

145 31.8 25.0 37.6

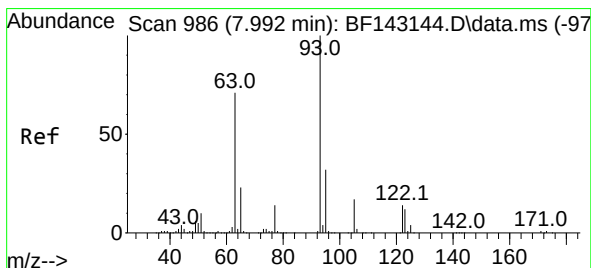
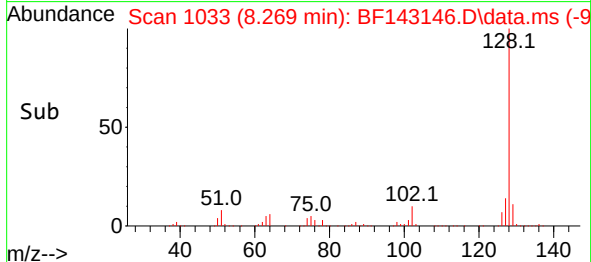
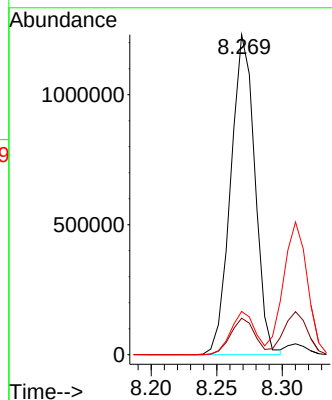
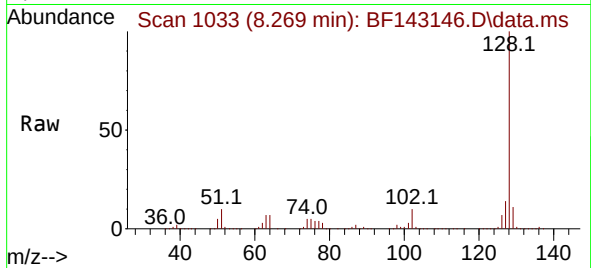




#31
Naphthalene
Concen: 55.784 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

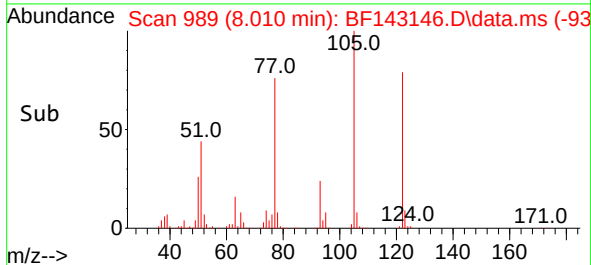
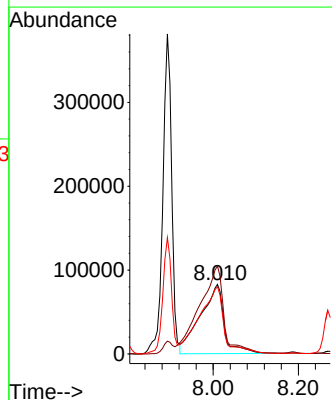
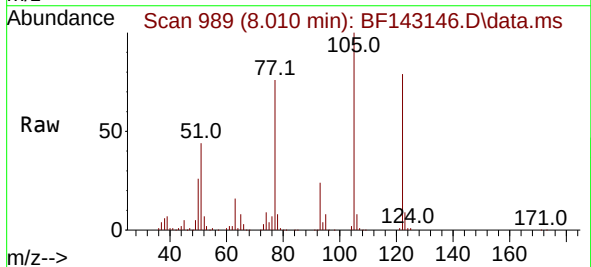
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

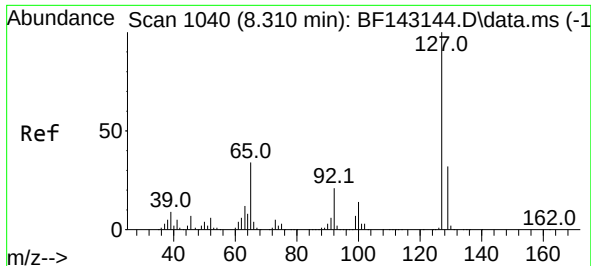
Tgt Ion:128 Resp: 1575696
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.5 10.6 16.0



#32
Benzoic acid
Concen: 58.961 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:122 Resp: 321703
Ion Ratio Lower Upper
122 100
105 126.3 104.8 144.8
77 96.5 77.6 117.6

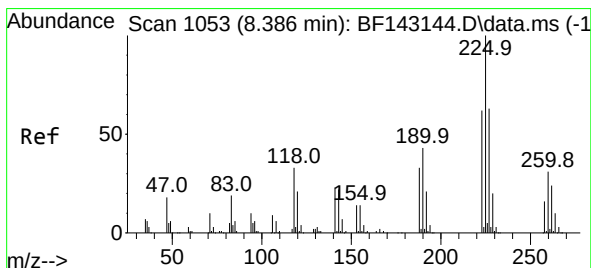
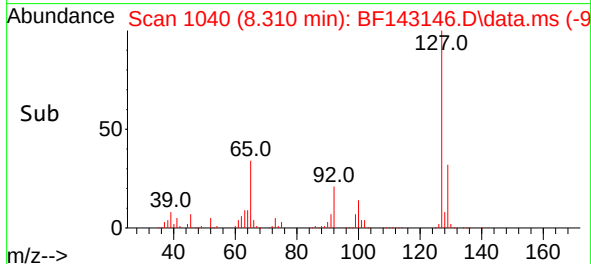
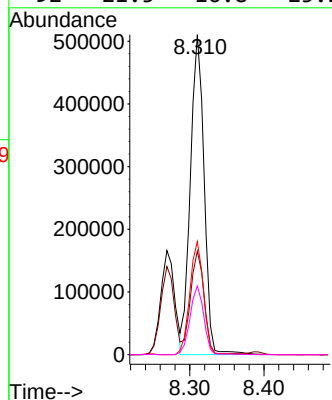
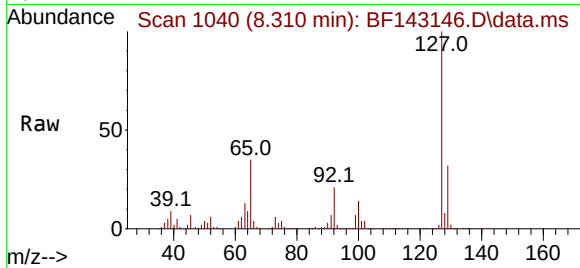




#33
4-Chloroaniline
Concen: 57.178 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

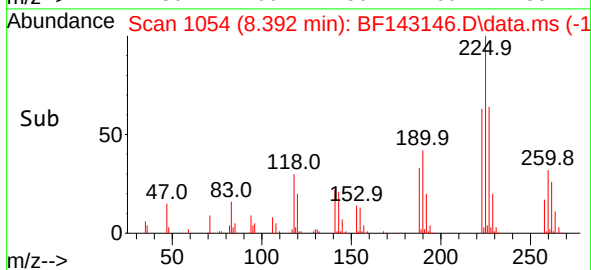
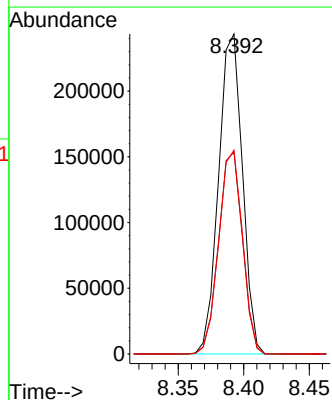
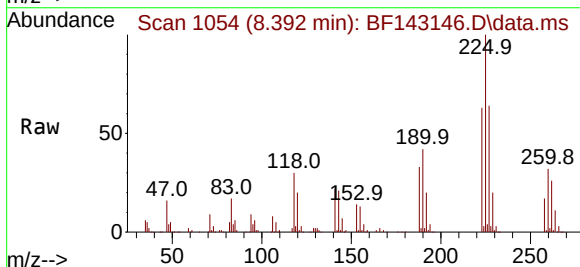
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

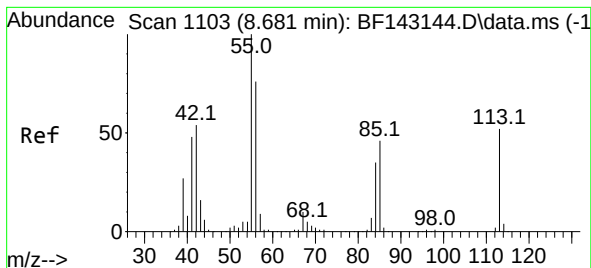
Tgt Ion:127	Resp: 659467
Ion Ratio	Lower Upper
127 100	
129 32.4	26.0 39.0
65 35.3	27.4 41.2
92 21.5	16.8 25.2



#34
Hexachlorobutadiene
Concen: 58.230 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:225	Resp: 307552		
Ion Ratio	Lower	Upper	
225 100			
223 63.0	49.8	74.6	
227 63.7	50.2	75.4	





#35

Caprolactam

Concen: 60.327 ng

RT: 8.692 min Scan# 1105

Delta R.T. 0.012 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

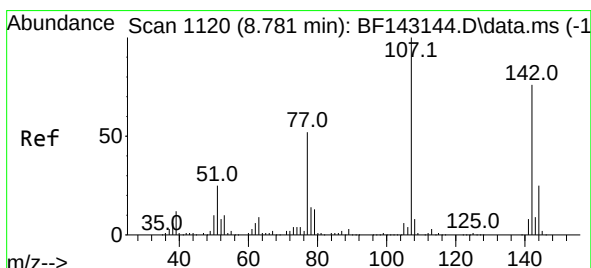
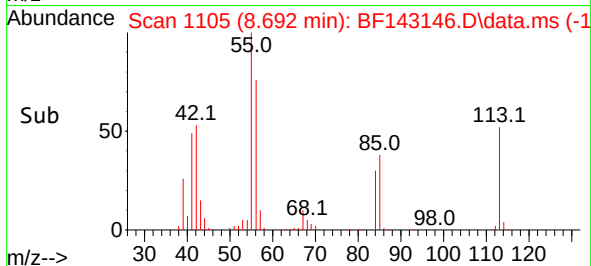
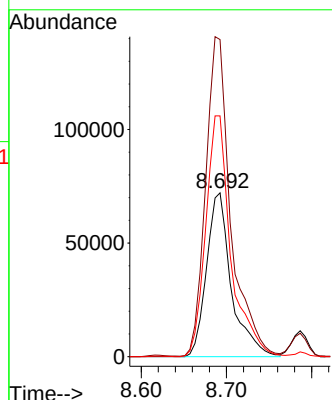
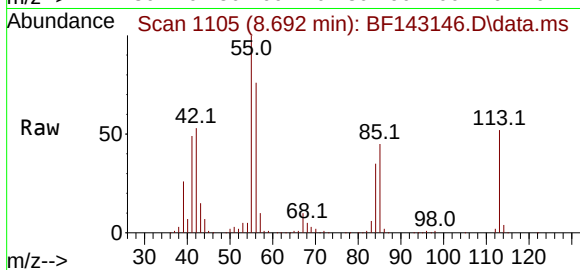
Tgt Ion:113 Resp: 145894

Ion Ratio Lower Upper

113 100

55 193.5 174.0 214.0

56 146.9 126.6 166.6



#36

4-Chloro-3-methylphenol

Concen: 58.186 ng

RT: 8.787 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

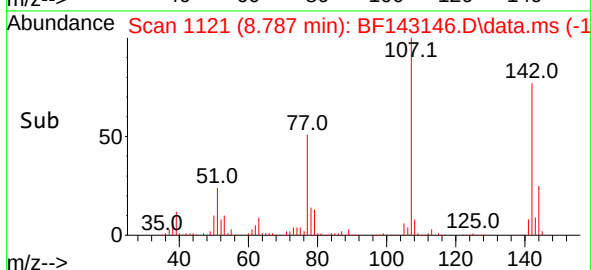
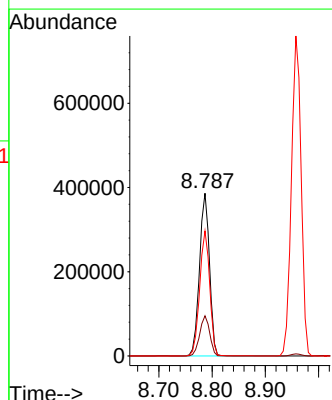
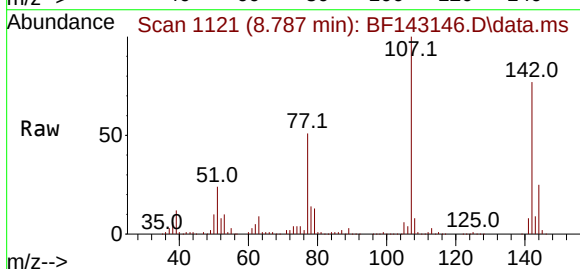
Tgt Ion:107 Resp: 506142

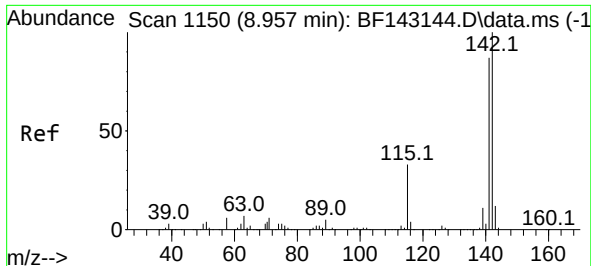
Ion Ratio Lower Upper

107 100

144 24.7 19.8 29.6

142 76.9 60.6 90.8





#37

2-Methylnaphthalene

Concen: 56.203 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

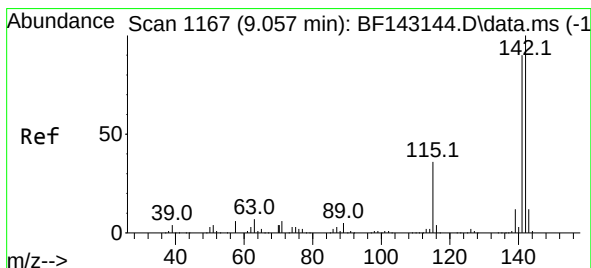
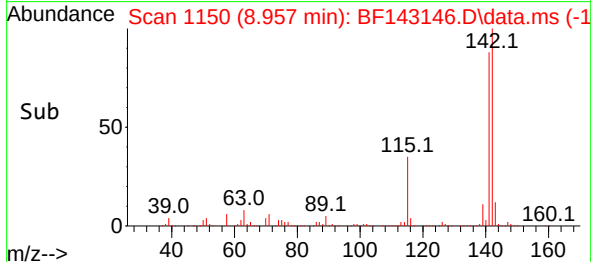
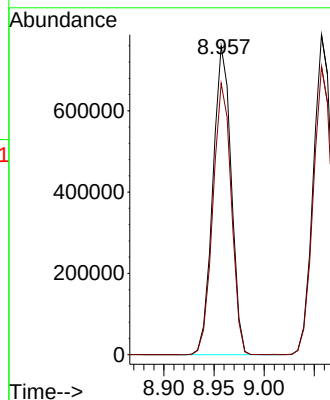
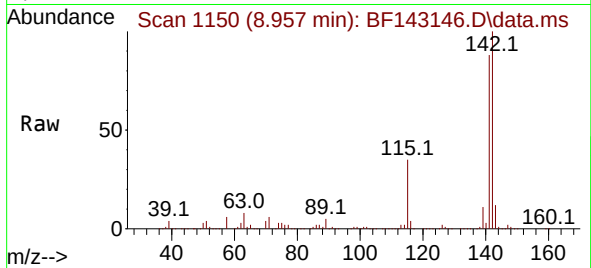
SSTDICC060

Tgt Ion:142 Resp: 966031

Ion Ratio Lower Upper

142 100

141 87.9 69.9 104.9



#38

1-Methylnaphthalene

Concen: 56.329 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143146.D

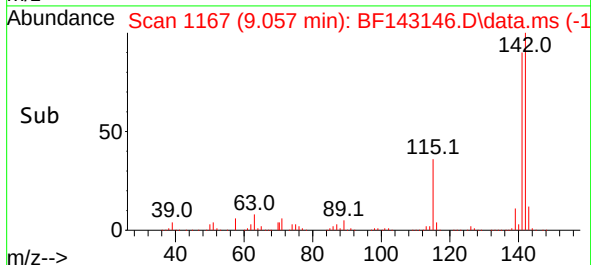
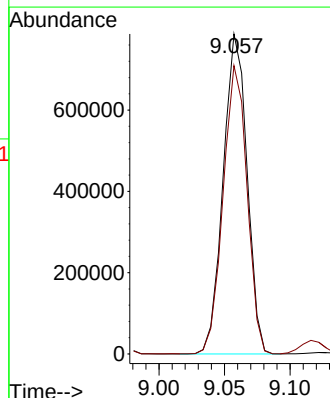
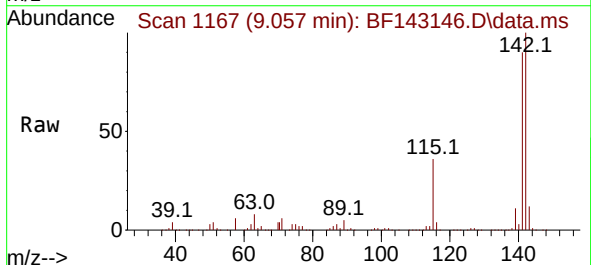
Acq: 17 Jul 2025 14:04

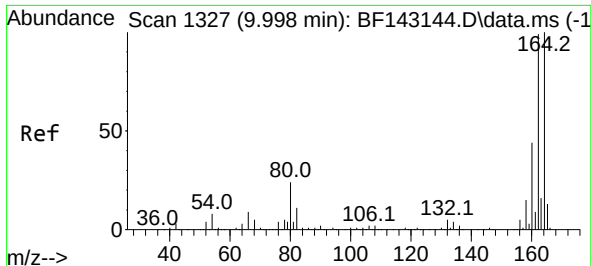
Tgt Ion:142 Resp: 997009

Ion Ratio Lower Upper

142 100

141 90.1 72.3 108.5

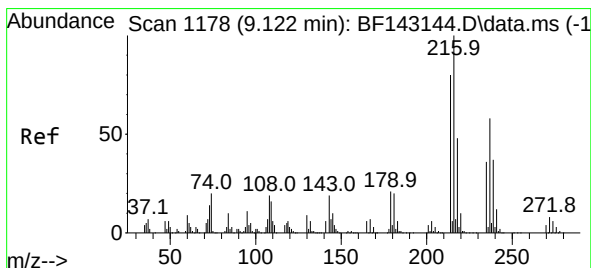
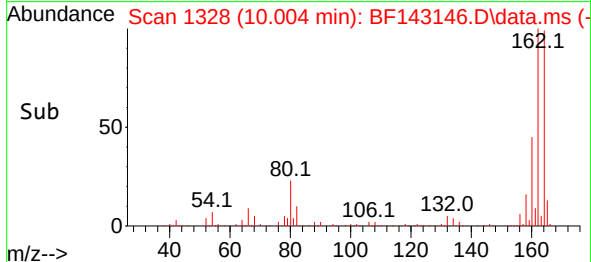
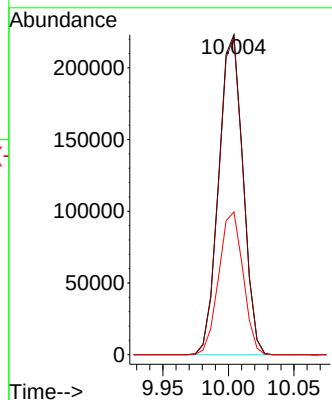
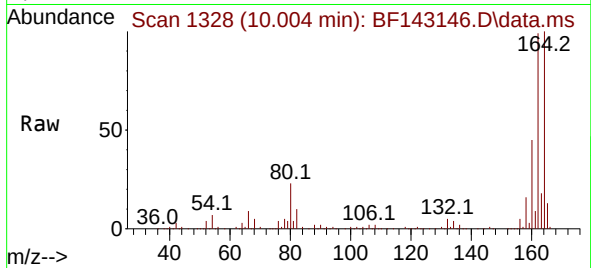




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

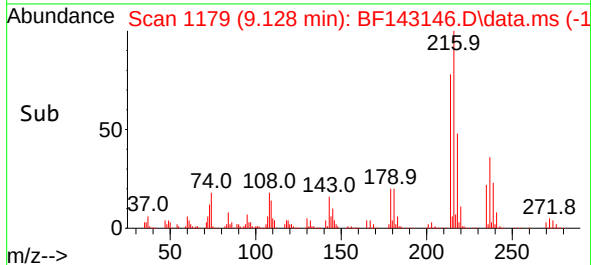
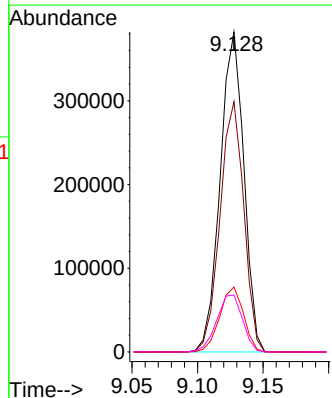
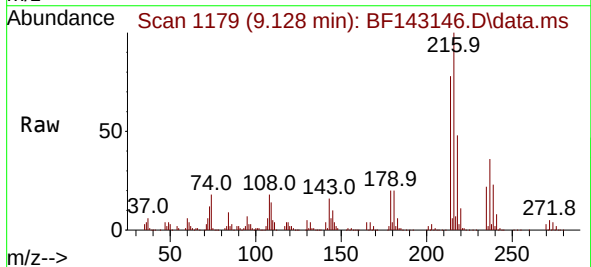
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

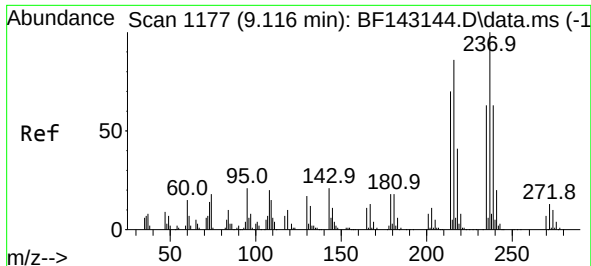
Tgt Ion:164 Resp: 286544
Ion Ratio Lower Upper
164 100
162 99.1 79.0 118.6
160 44.6 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.955 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:216 Resp: 479450
Ion Ratio Lower Upper
216 100
214 78.4 63.8 95.8
179 20.4 16.4 24.6
108 19.4 15.6 23.4

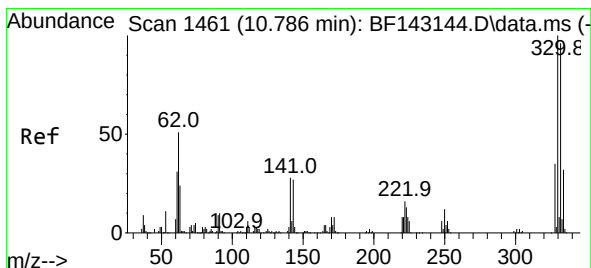
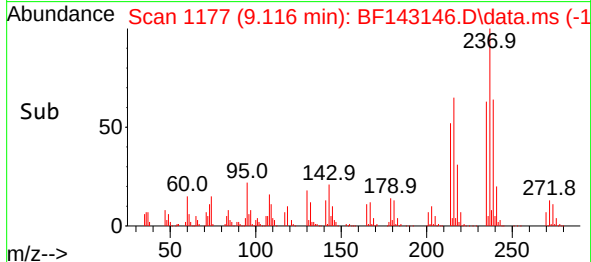
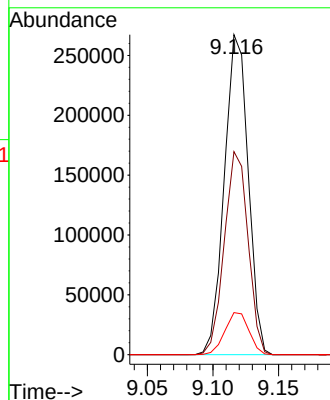
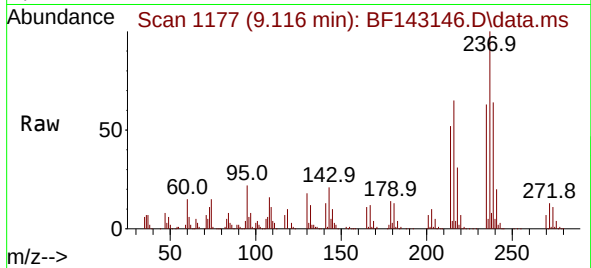




#41
Hexachlorocyclopentadiene
Concen: 62.761 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

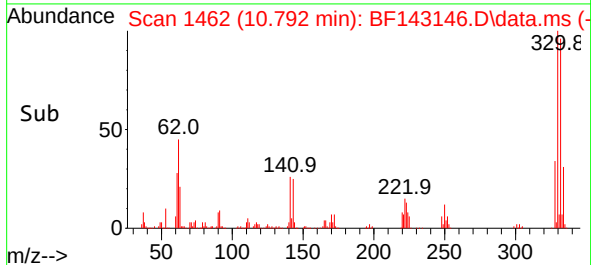
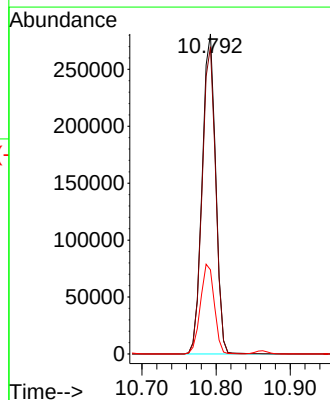
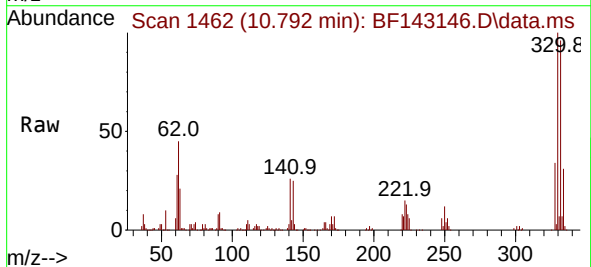
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

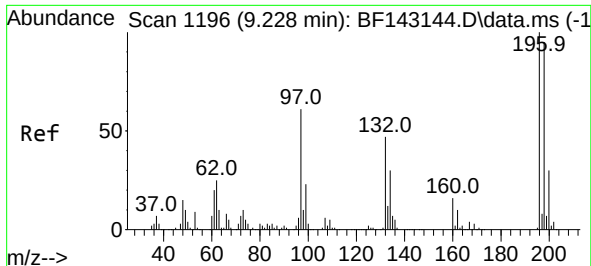
Tgt Ion:237 Resp: 337833
Ion Ratio Lower Upper
237 100
235 63.4 43.0 83.0
272 13.2 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 119.817 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:330 Resp: 354678
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 28.9 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 60.246 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

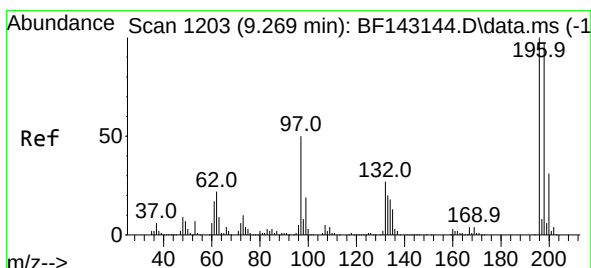
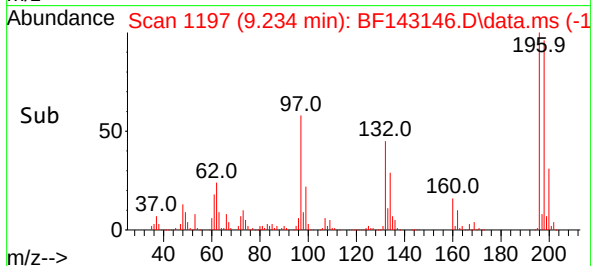
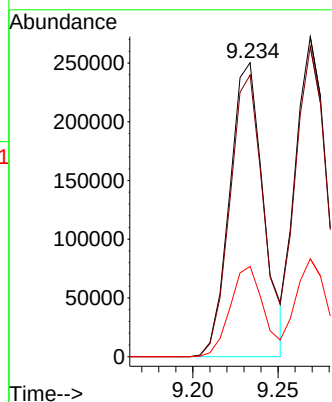
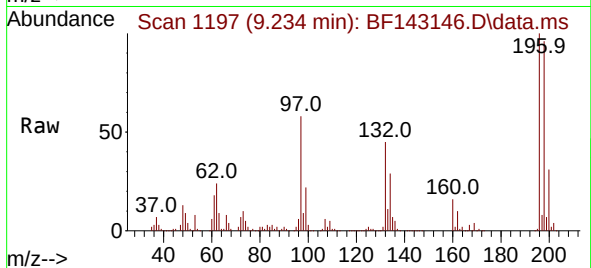
Tgt Ion:196 Resp: 344941

Ion Ratio Lower Upper

196 100

198 95.8 76.2 114.2

200 30.7 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 59.305 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Tgt Ion:196 Resp: 339656

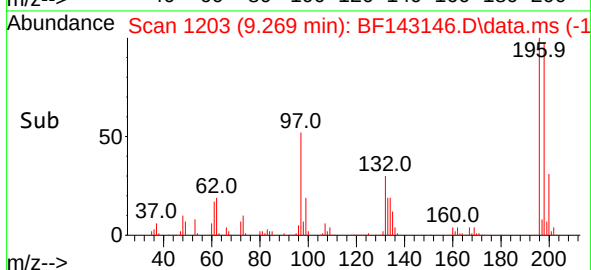
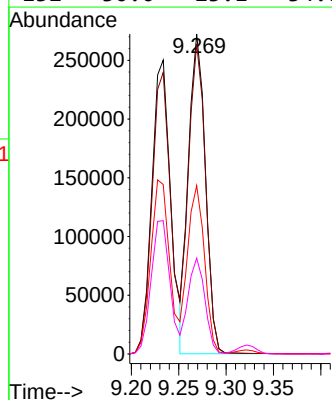
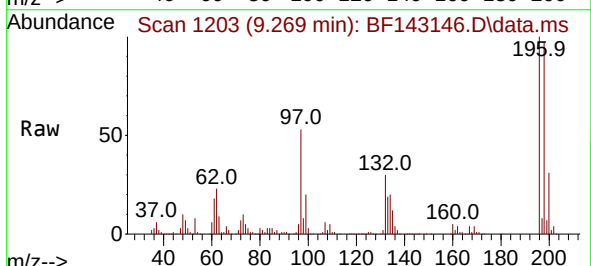
Ion Ratio Lower Upper

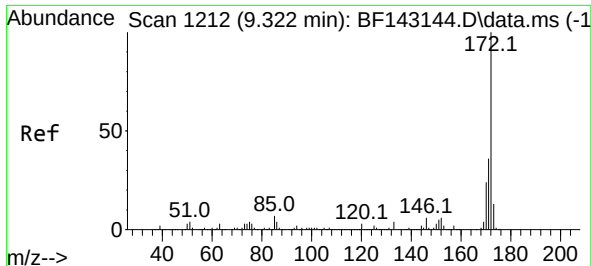
196 100

198 96.9 77.3 115.9

97 52.6 40.3 60.5

132 30.0 23.1 34.7

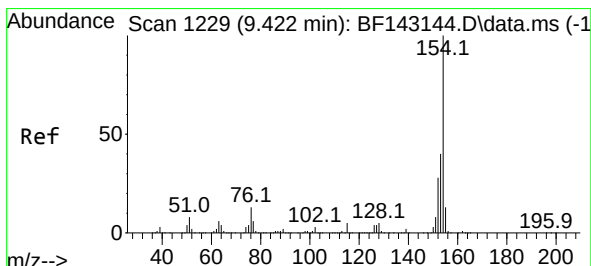
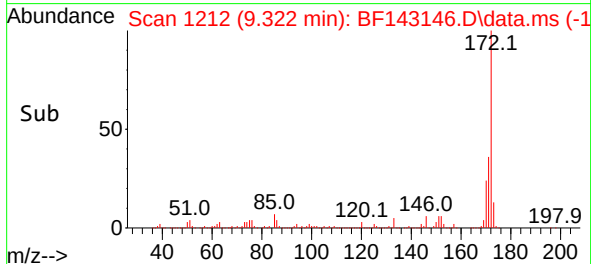
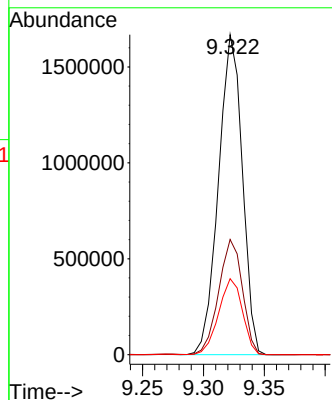
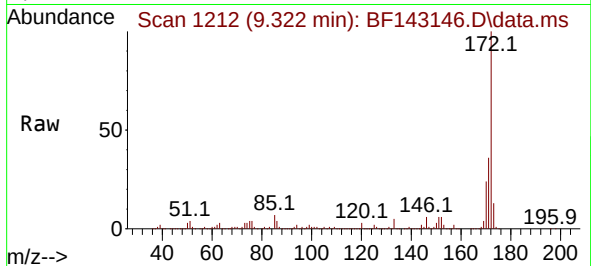




#45
2-Fluorobiphenyl
Concen: 108.558 ng
RT: 9.322 min Scan# 1212
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

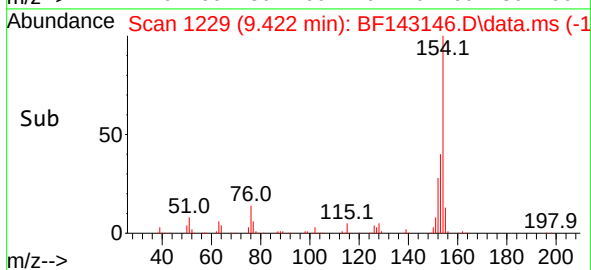
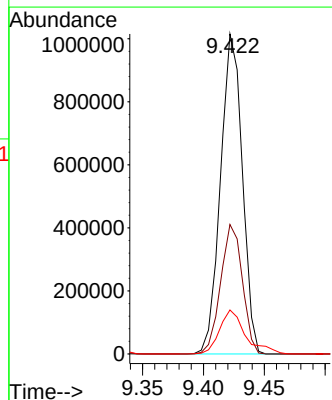
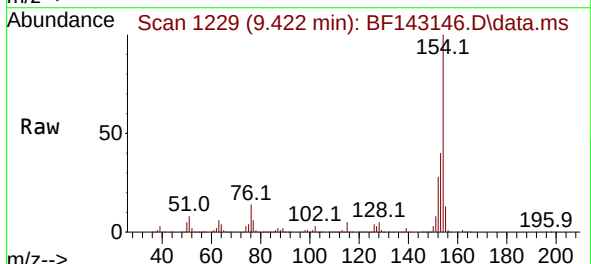
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

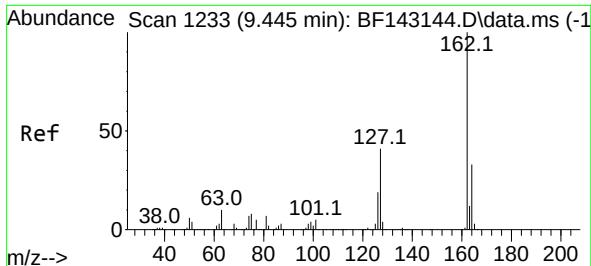
Tgt Ion:172 Resp: 2274500
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 23.7 18.8 28.2



#46
1,1'-Biphenyl
Concen: 56.610 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:154 Resp: 1265588
Ion Ratio Lower Upper
154 100
153 40.5 20.3 60.3
76 13.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 57.364 ng

RT: 9.451 min Scan# 1233

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

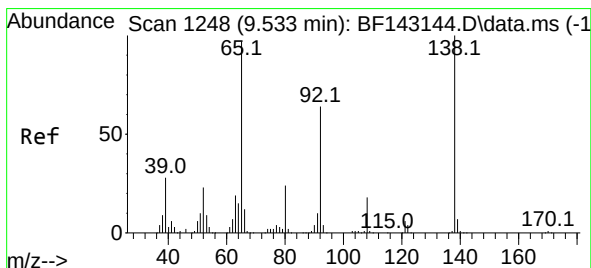
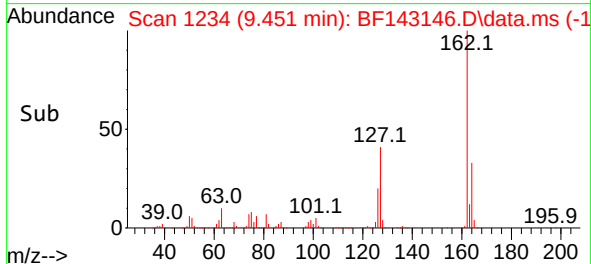
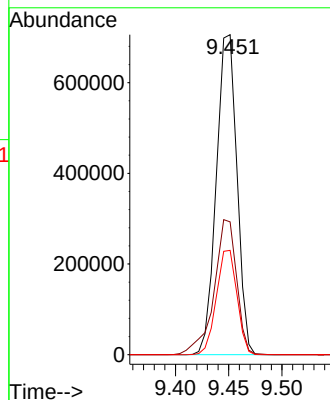
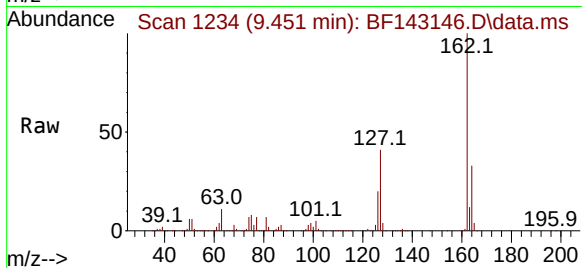
Tgt Ion:162 Resp: 948912

Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

164 32.6 26.2 39.2



#48

2-Nitroaniline

Concen: 63.904 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

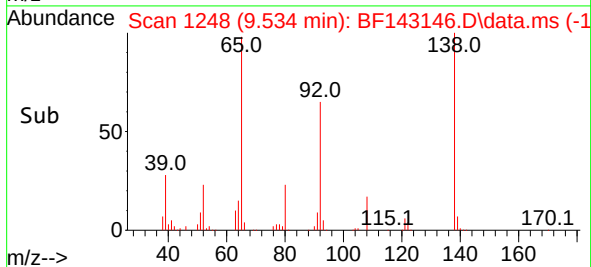
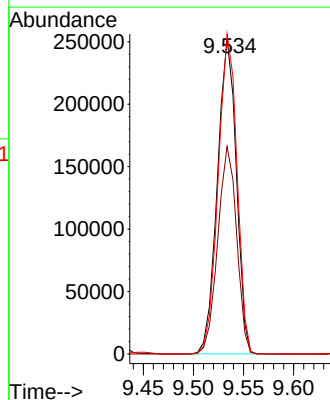
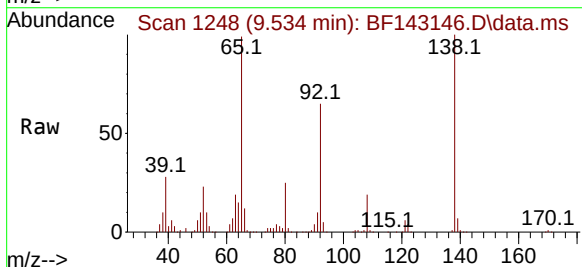
Tgt Ion: 65 Resp: 331501

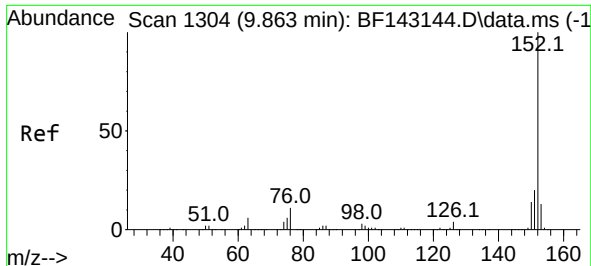
Ion Ratio Lower Upper

65 100

92 65.8 52.4 78.6

138 101.5 82.3 123.5

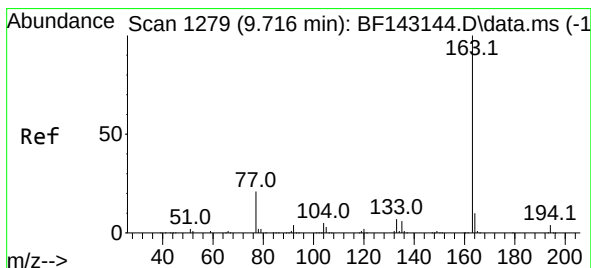
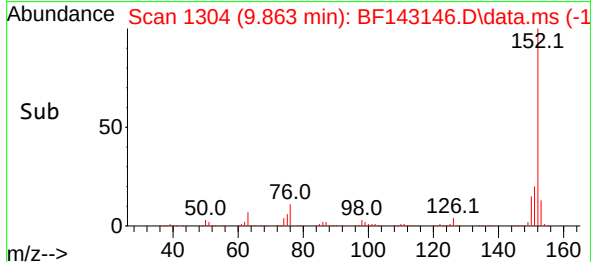
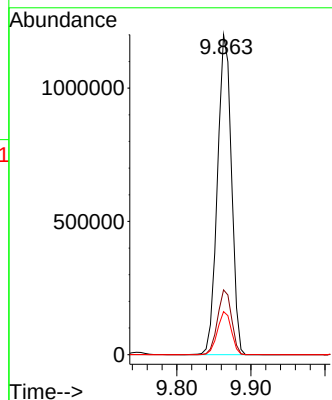
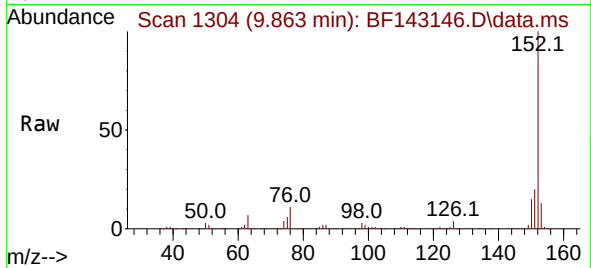




#49
Acenaphthylene
Concen: 56.860 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

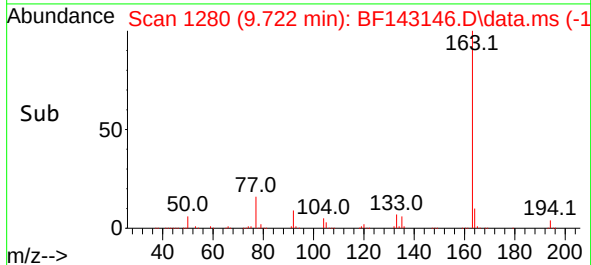
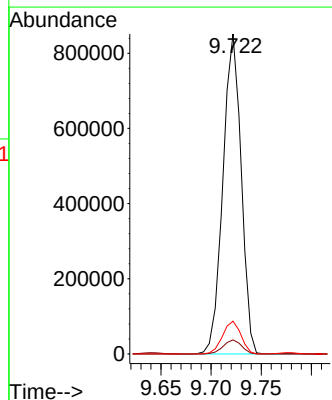
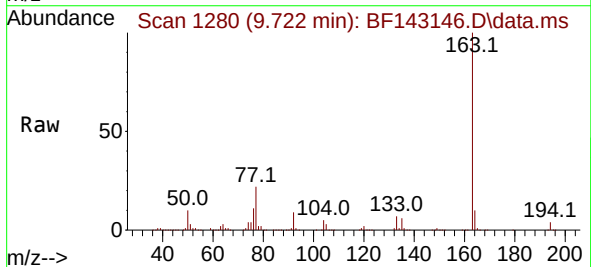
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

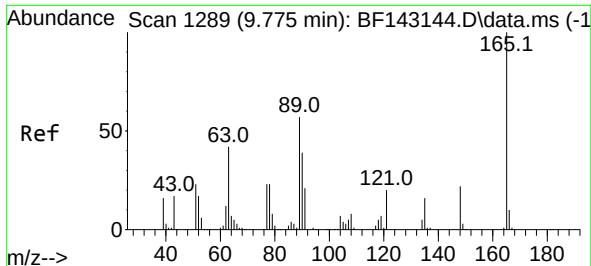
Tgt Ion:152 Resp: 1576240
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.5 10.6 16.0



#50
Dimethylphthalate
Concen: 57.558 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:163 Resp: 1075052
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.3 8.3 12.5

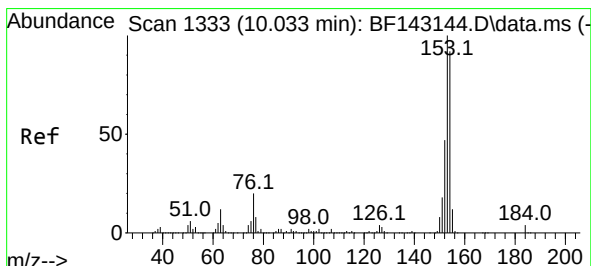
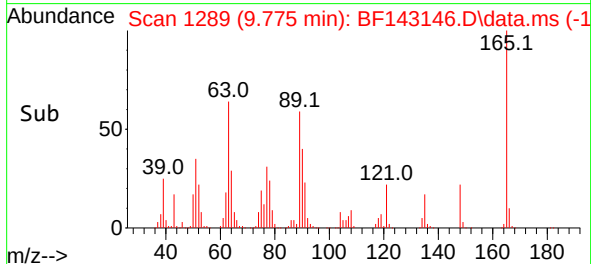
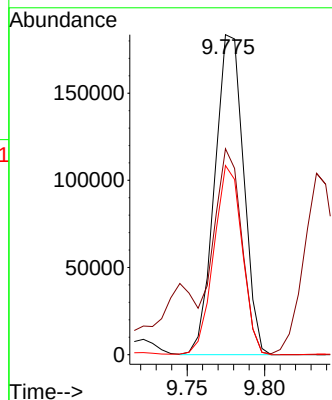
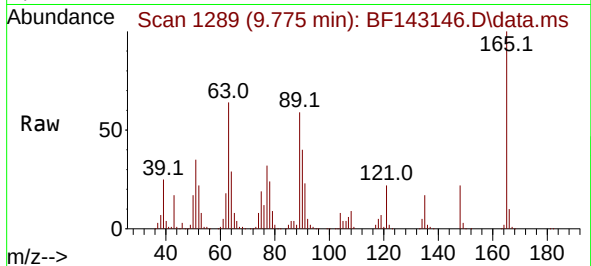




#51
2,6-Dinitrotoluene
Concen: 62.665 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

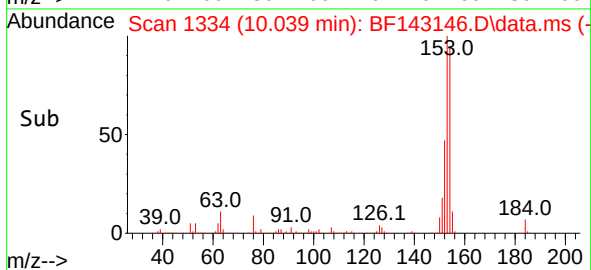
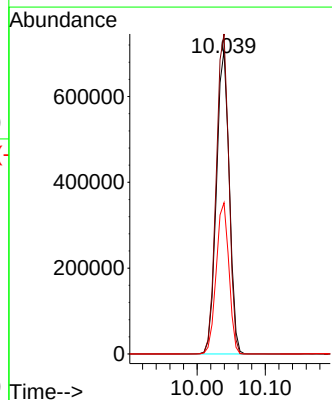
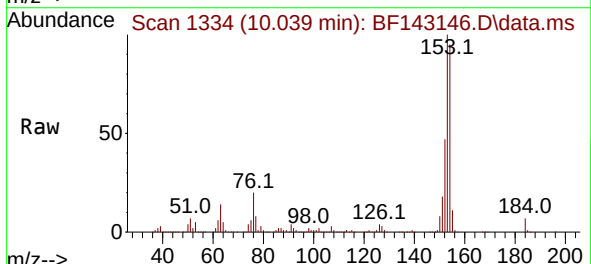
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

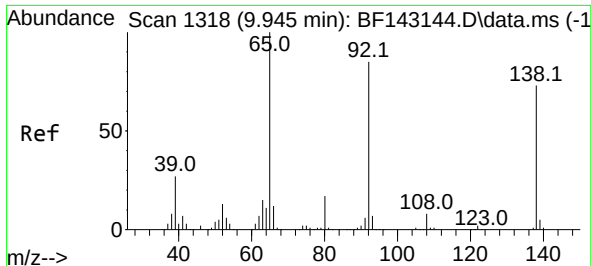
Tgt Ion:165 Resp: 238103
Ion Ratio Lower Upper
165 100
63 64.4 49.4 74.2
89 59.1 46.2 69.2



#52
Acenaphthene
Concen: 56.814 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:154 Resp: 930883
Ion Ratio Lower Upper
154 100
153 105.6 86.6 129.8
152 49.9 40.4 60.6

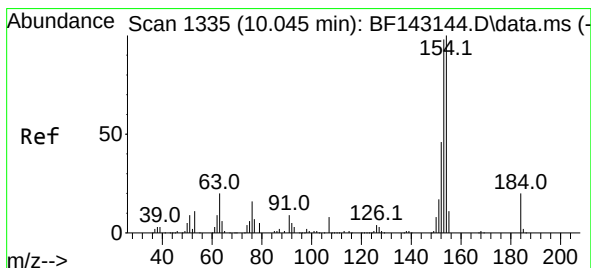
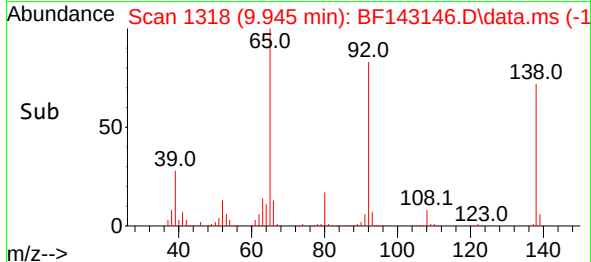
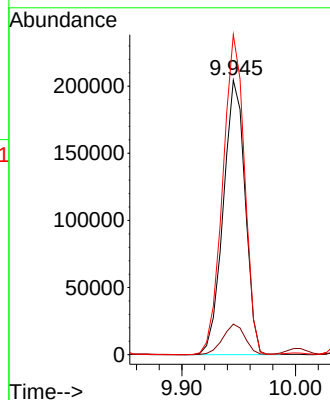
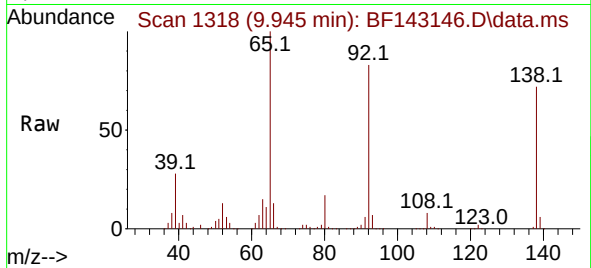




#53
3-Nitroaniline
Concen: 61.542 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

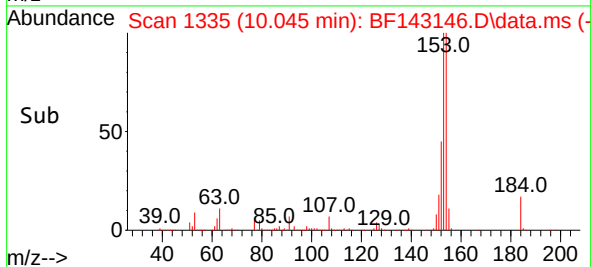
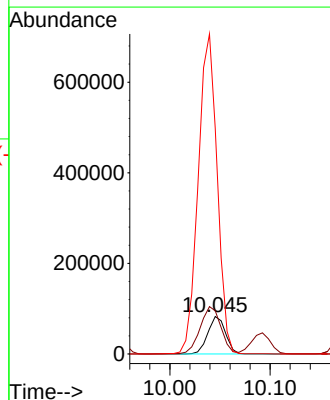
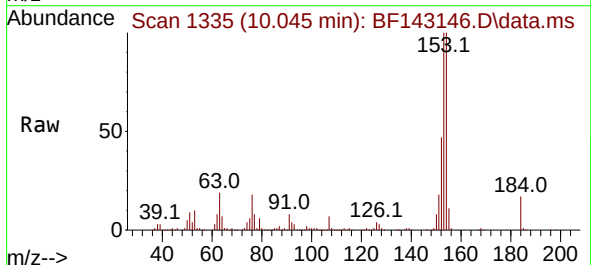
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

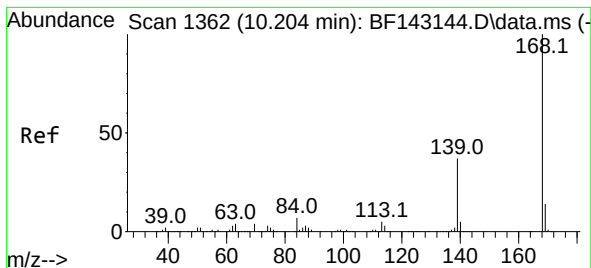
Tgt Ion:138 Resp: 273506
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.6
92 116.5 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 60.690 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:184 Resp: 101491
Ion Ratio Lower Upper
184 100
63 115.6 81.8 122.6
154 603.3 412.2 618.4





#55

Dibenzenofuran

Concen: 56.093 ng

RT: 10.210 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

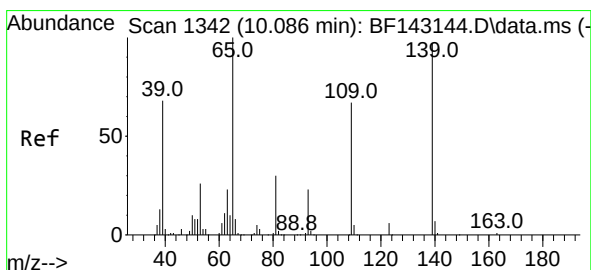
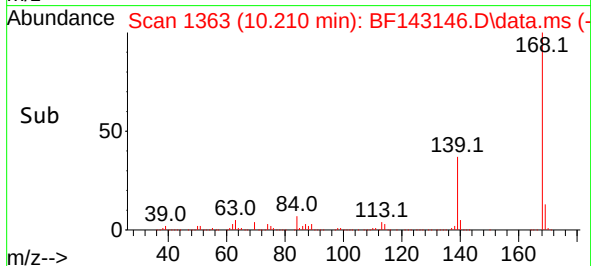
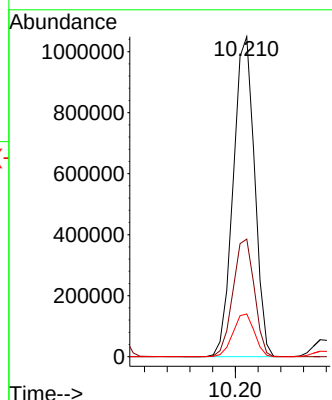
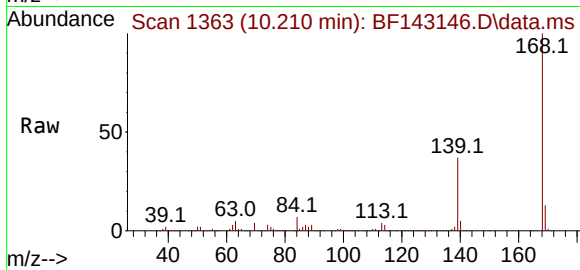
Tgt Ion:168 Resp: 1364531

Ion Ratio Lower Upper

168 100

139 36.7 29.5 44.3

169 13.4 10.9 16.3



#56

4-Nitrophenol

Concen: 61.312 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

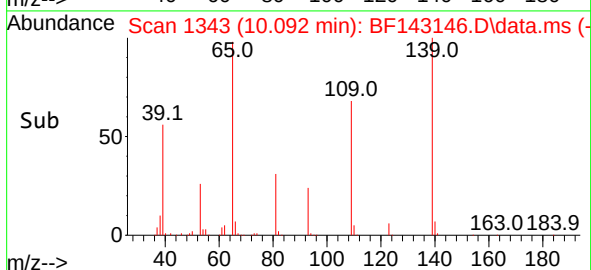
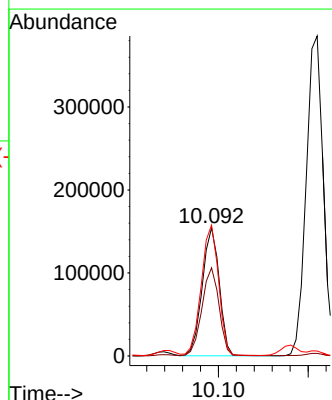
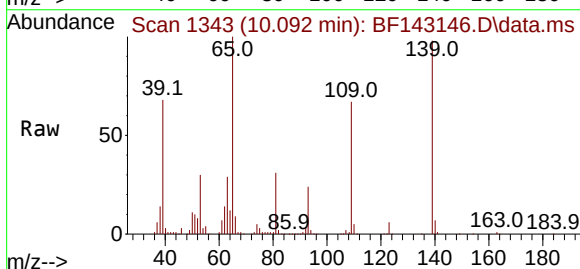
Tgt Ion:139 Resp: 203477

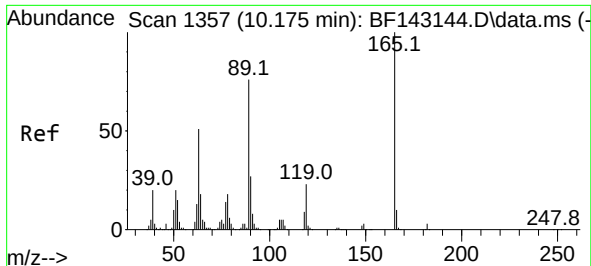
Ion Ratio Lower Upper

139 100

109 68.7 48.5 88.5

65 102.2 83.4 123.4

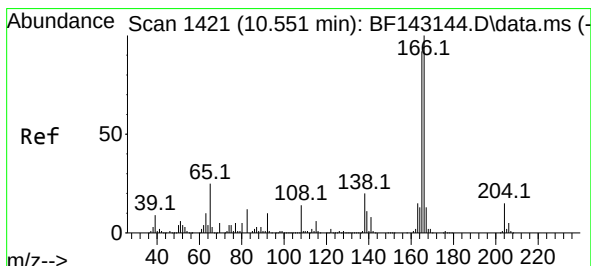
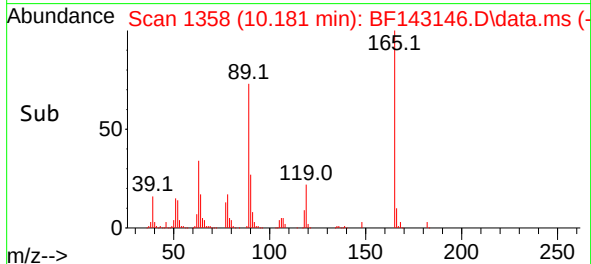
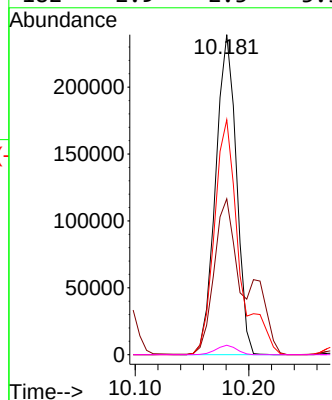
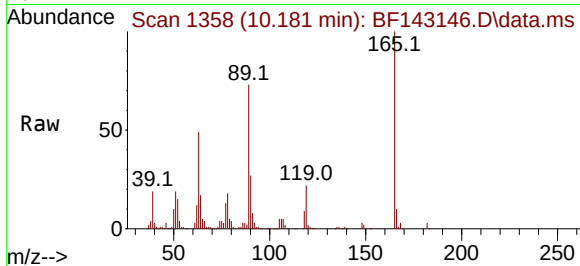




#57
2,4-Dinitrotoluene
Concen: 63.868 ng
RT: 10.181 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

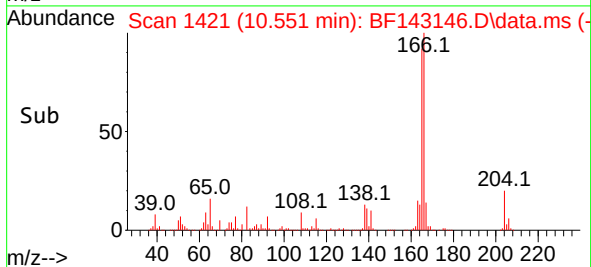
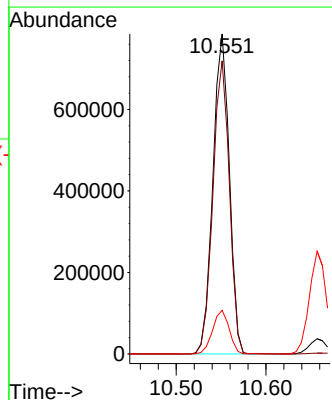
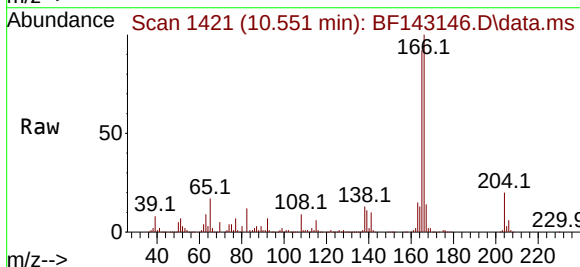
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

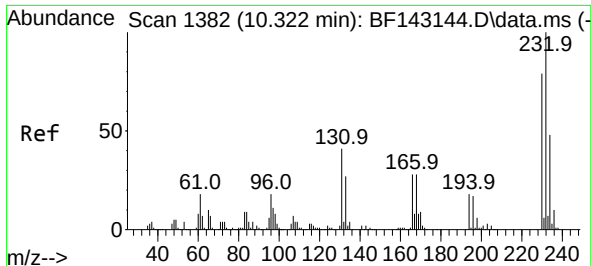
Tgt Ion:165 Resp: 304460
Ion Ratio Lower Upper
165 100
63 48.7 41.0 61.4
89 73.4 61.1 91.7
182 2.9 2.3 3.5



#58
Fluorene
Concen: 54.647 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:166 Resp: 997710
Ion Ratio Lower Upper
166 100
165 91.6 73.7 110.5
167 13.6 10.6 16.0

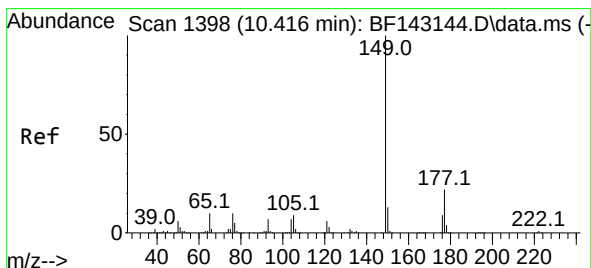
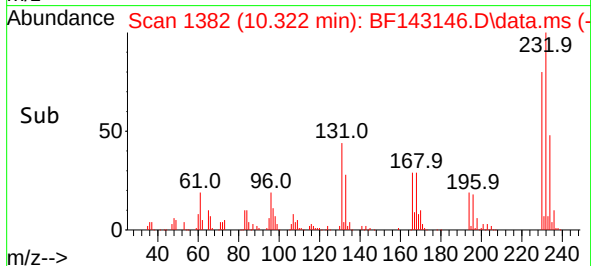
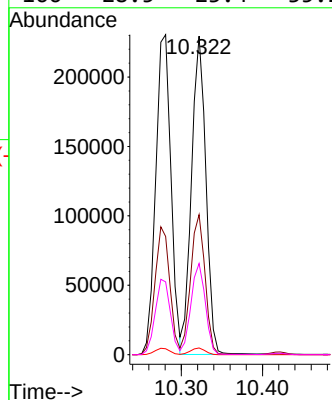
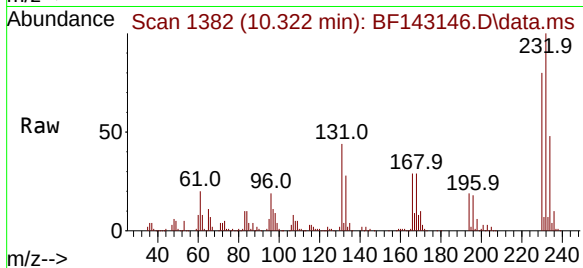




#59
2,3,4,6-Tetrachlorophenol
Concen: 59.678 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

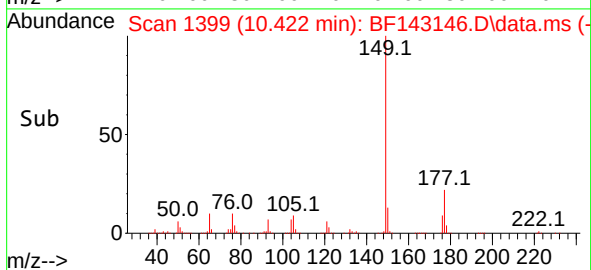
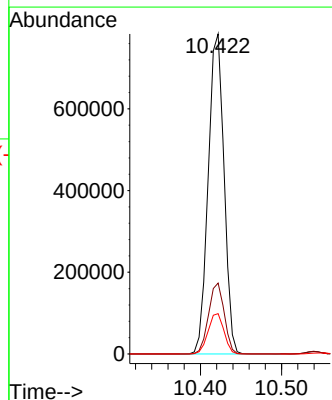
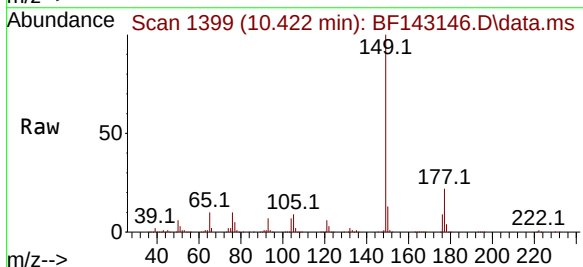
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

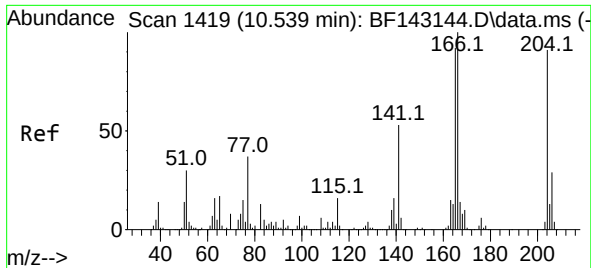
Tgt Ion:232 Resp: 283124
Ion Ratio Lower Upper
232 100
131 44.2 35.3 52.9
130 2.1 1.7 2.5
166 28.5 23.4 35.2



#60
Diethylphthalate
Concen: 57.301 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 1057851
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.6 10.2 15.2

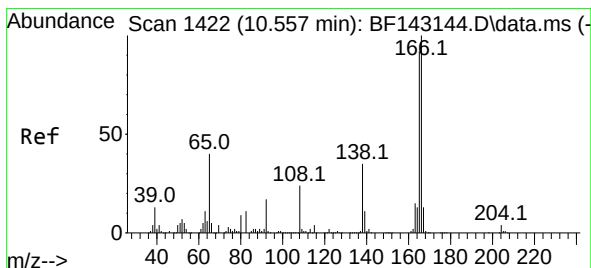
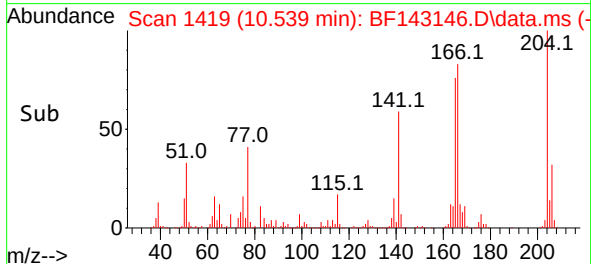
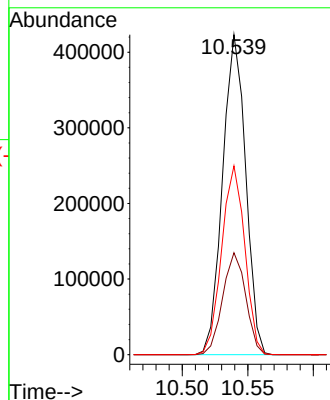
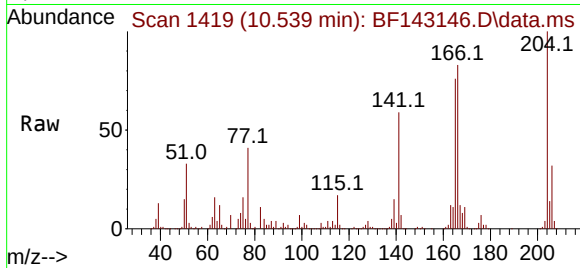




#61
4-Chlorophenyl-phenylether
Concen: 56.867 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

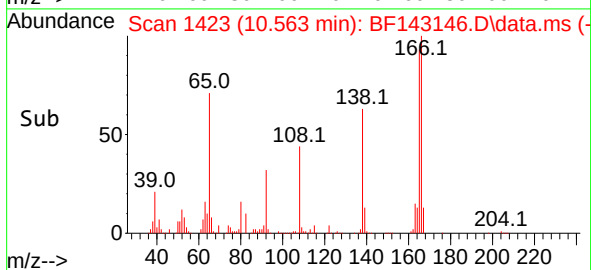
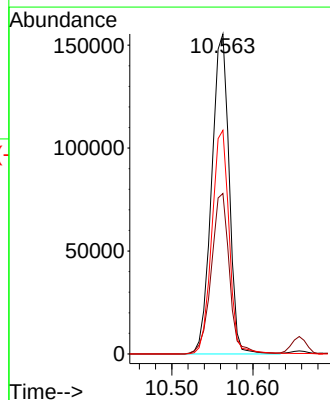
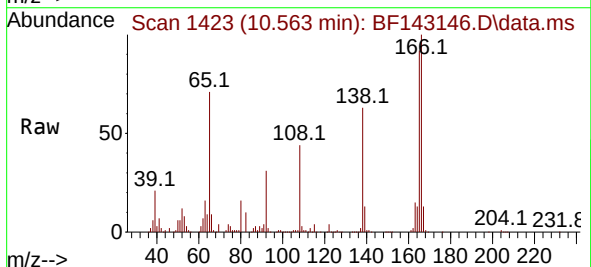
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

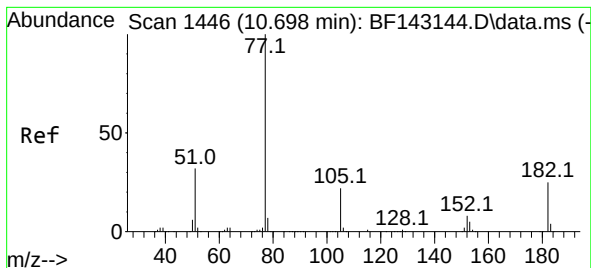
Tgt Ion:204 Resp: 516980
Ion Ratio Lower Upper
204 100
206 31.8 25.8 38.8
141 59.0 47.0 70.4



#62
4-Nitroaniline
Concen: 61.037 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:138 Resp: 232488
Ion Ratio Lower Upper
138 100
92 50.2 29.3 69.3
108 69.9 48.3 88.3





#63

Azobenzene

Concen: 57.107 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 1098772

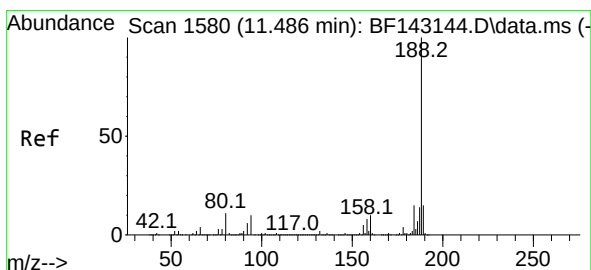
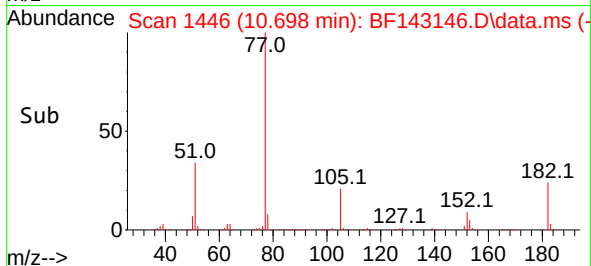
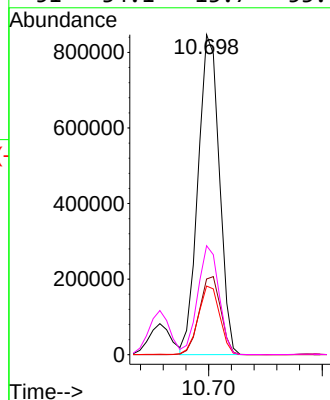
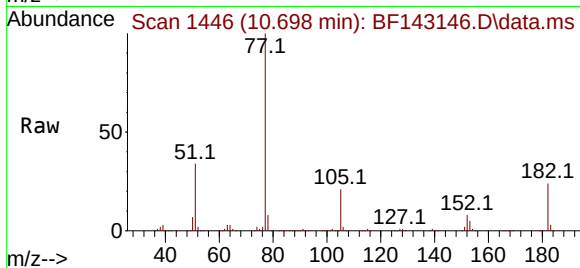
Ion Ratio Lower Upper

77 100

182 23.6 4.6 44.6

105 21.4 1.4 41.4

51 34.1 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

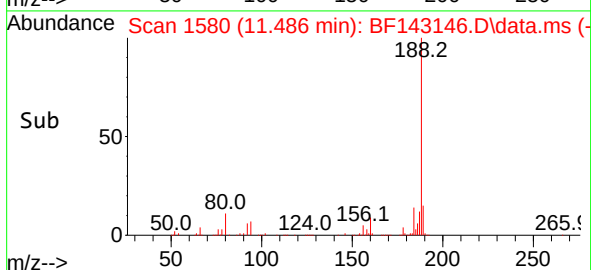
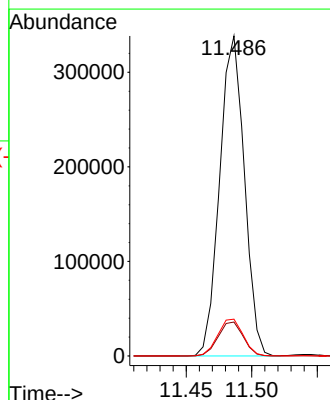
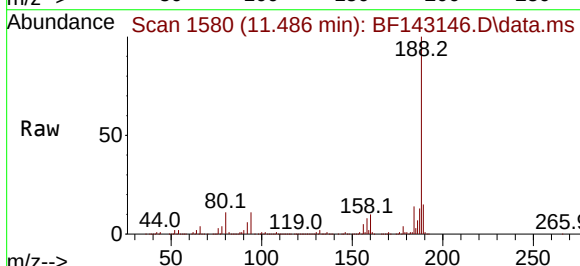
Tgt Ion: 188 Resp: 442888

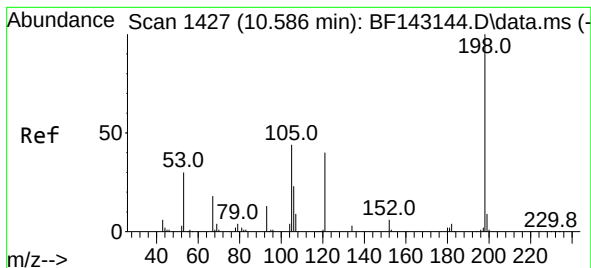
Ion Ratio Lower Upper

188 100

94 10.6 8.3 12.5

80 11.5 9.0 13.6

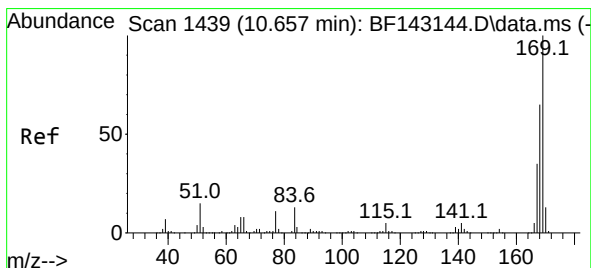
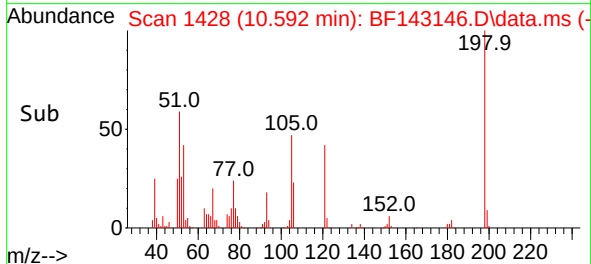
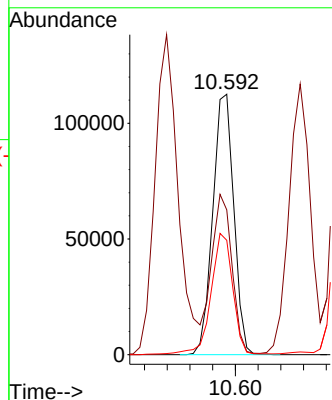
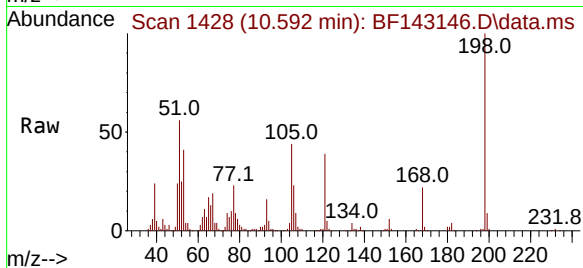




#65
4,6-Dinitro-2-methylphenol
Concen: 60.728 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

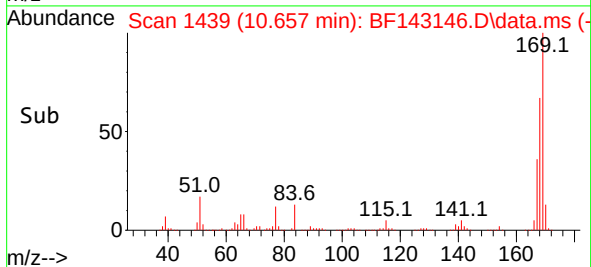
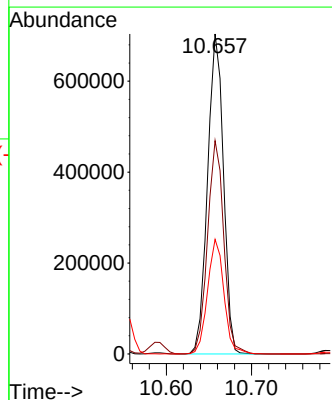
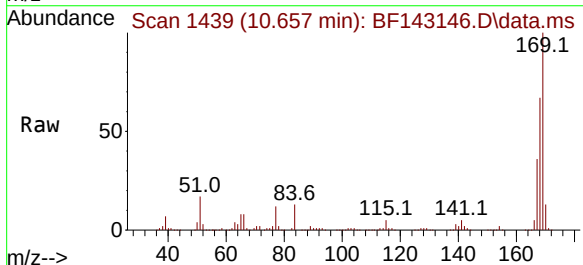
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

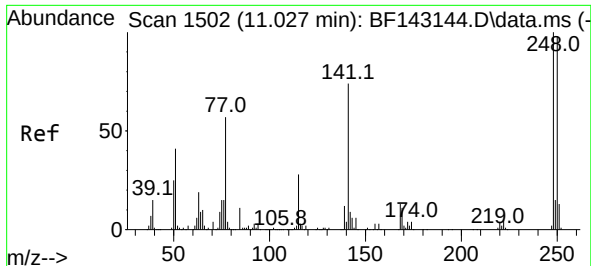
Tgt Ion:198 Resp: 144751
Ion Ratio Lower Upper
198 100
51 55.6 37.2 77.2
105 43.9 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 58.380 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:169 Resp: 910468
Ion Ratio Lower Upper
169 100
168 66.6 52.1 78.1
167 35.8 28.2 42.2





#67

4-Bromophenyl-phenylether

Concen: 60.266 ng

RT: 11.028 min Scan# 1102

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

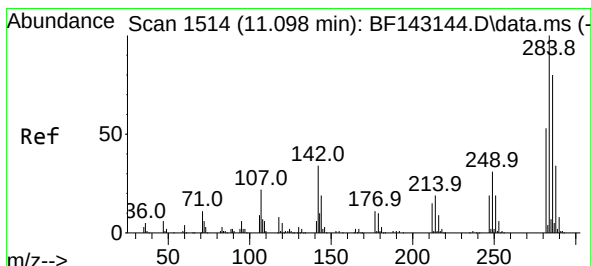
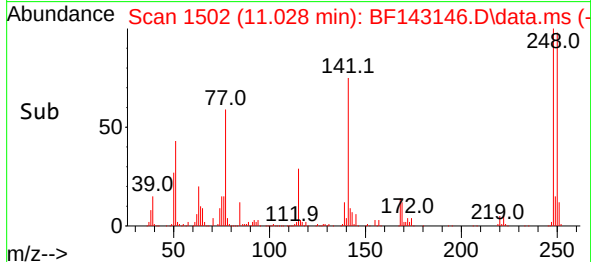
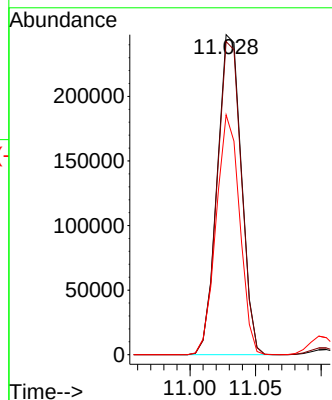
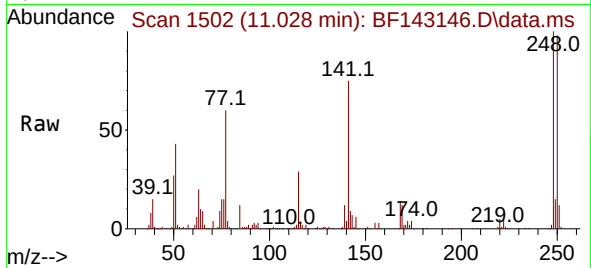
Tgt Ion:248 Resp: 318085

Ion Ratio Lower Upper

248 100

250 97.9 78.3 117.5

141 75.0 59.2 88.8



#68

Hexachlorobenzene

Concen: 59.054 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

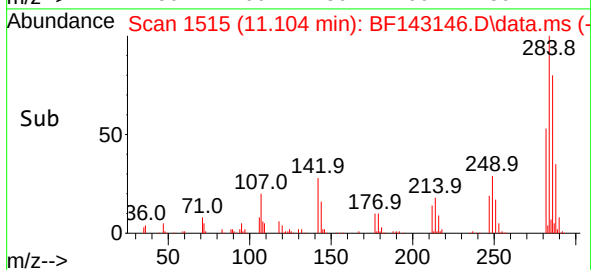
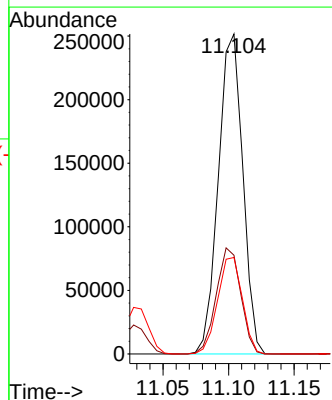
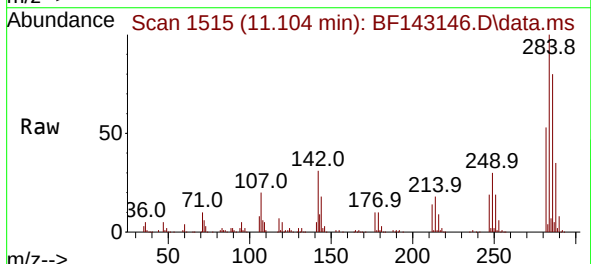
Tgt Ion:284 Resp: 325779

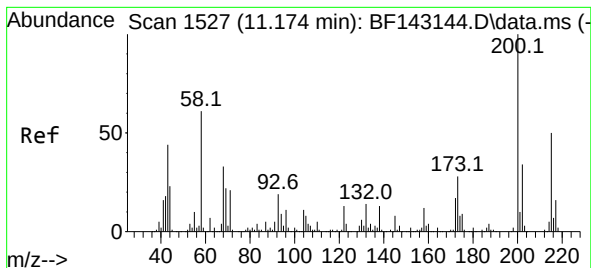
Ion Ratio Lower Upper

284 100

142 30.9 27.0 40.6

249 30.1 25.0 37.6





#69

Atrazine

Concen: 61.024 ng

RT: 11.181 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

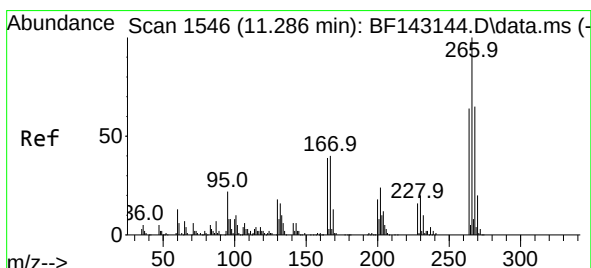
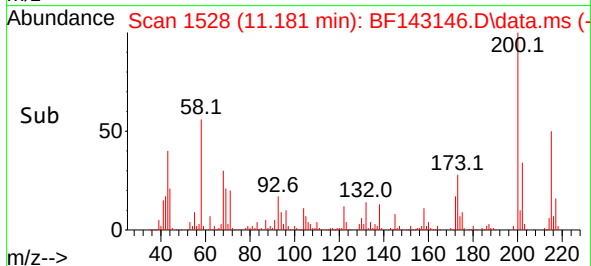
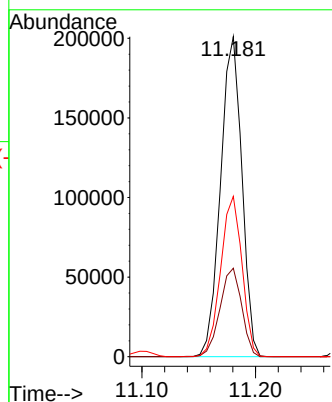
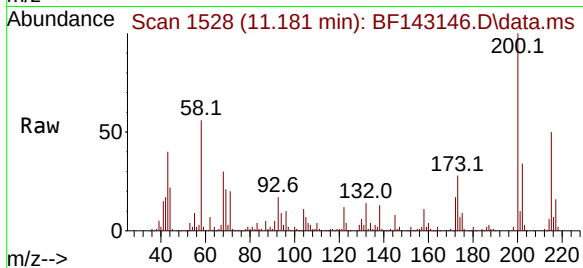
Tgt Ion:200 Resp: 262374

Ion Ratio Lower Upper

200 100

173 27.6 7.9 47.9

215 50.1 30.1 70.1



#70

Pentachlorophenol

Concen: 63.625 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

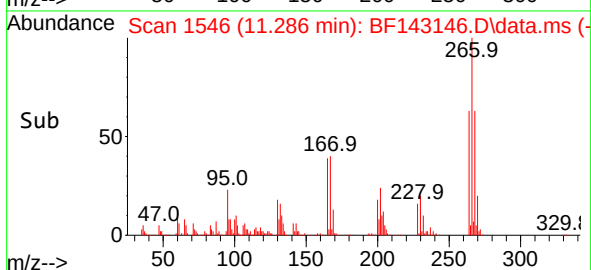
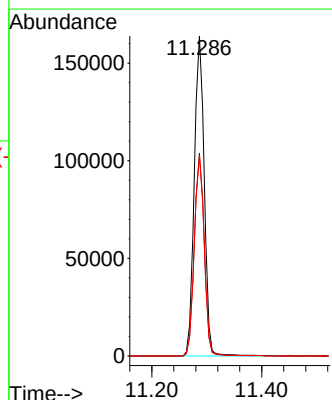
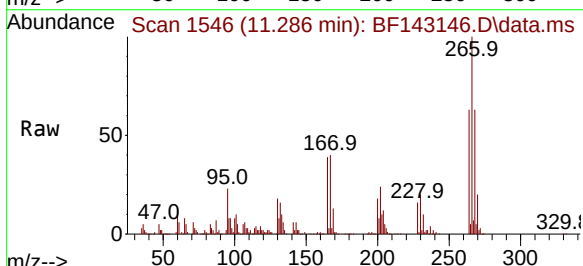
Tgt Ion:266 Resp: 206417

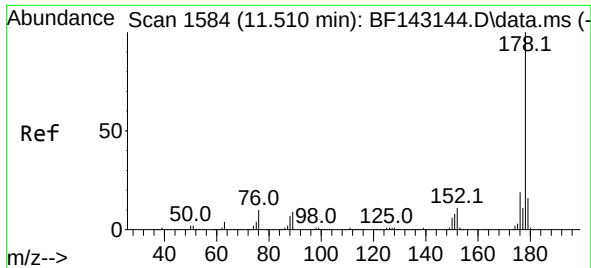
Ion Ratio Lower Upper

266 100

268 63.3 51.9 77.9

264 62.5 51.0 76.6

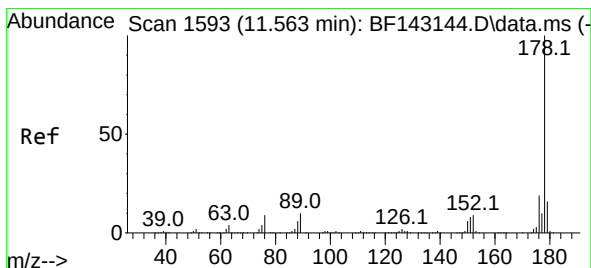
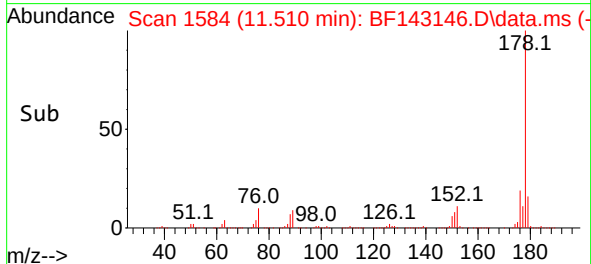
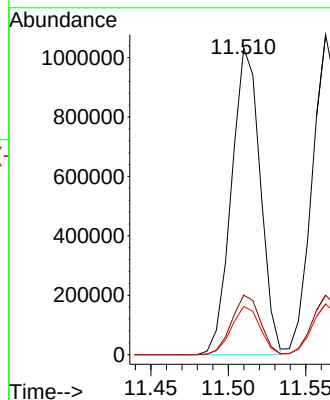
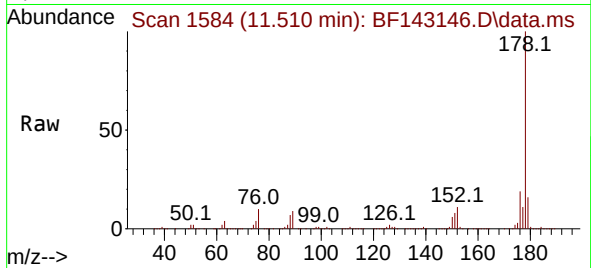




#71
Phenanthrene
Concen: 56.620 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

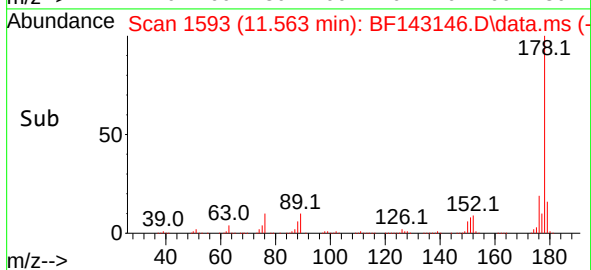
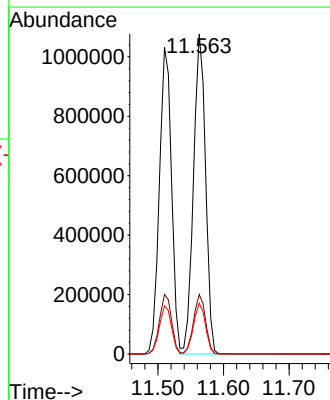
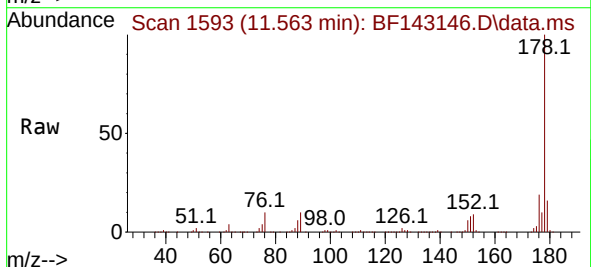
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

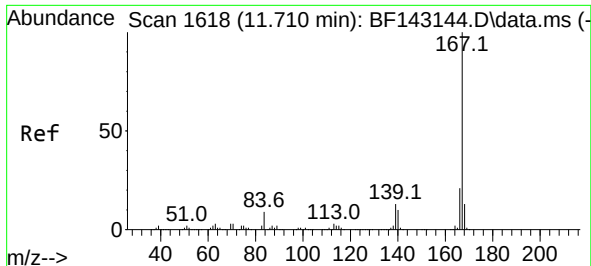
Tgt Ion:178 Resp: 1331485
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.5 18.7



#72
Anthracene
Concen: 57.522 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:178 Resp: 1379601
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.8 12.5 18.7

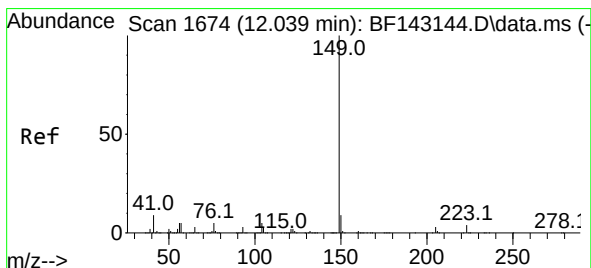
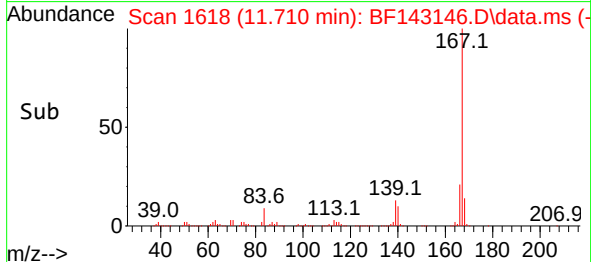
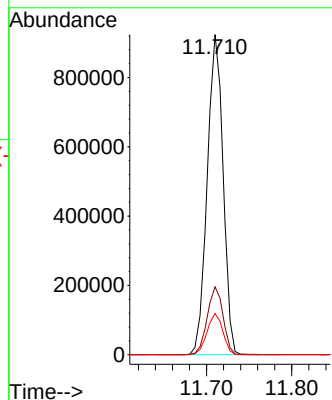
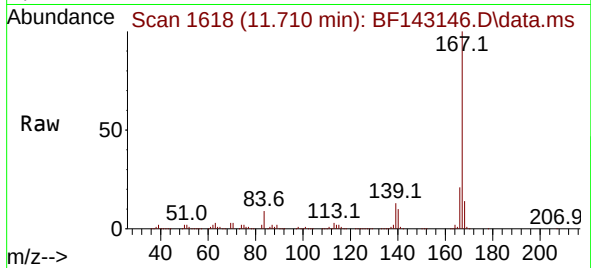




#73
 Carbazole
 Concen: 57.015 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. 0.000 min
 Lab File: BF143146.D
 Acq: 17 Jul 2025 14:04

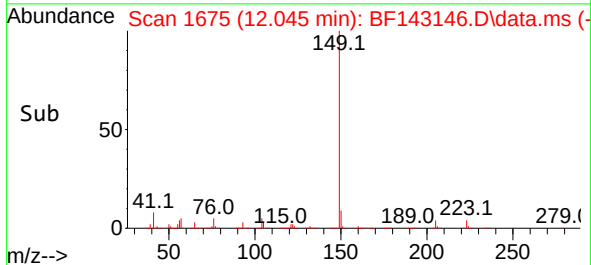
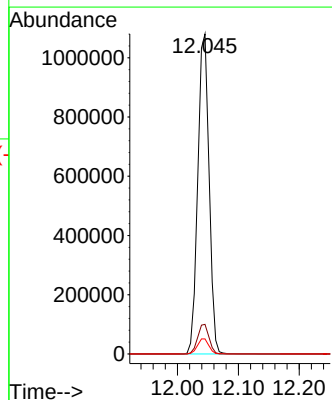
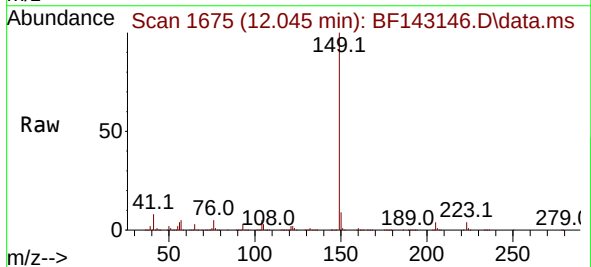
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

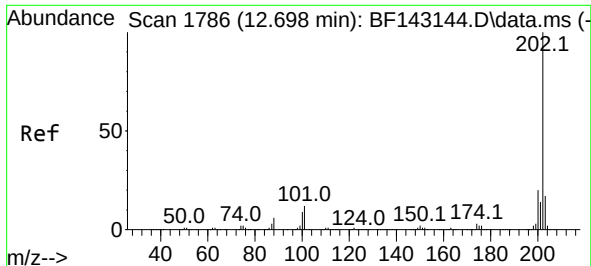
Tgt Ion:167 Resp: 1194026
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.9 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 58.757 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143146.D
 Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 1392335
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 4.7 3.8 5.8

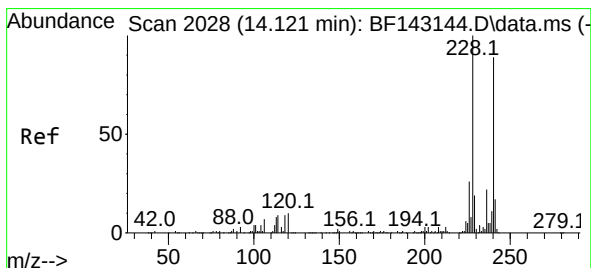
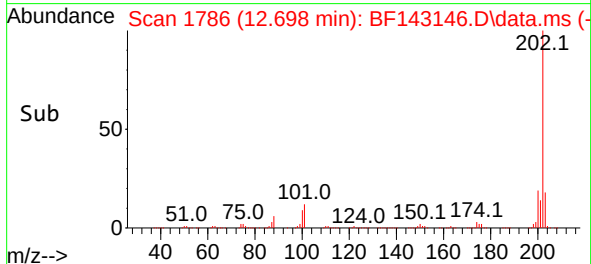
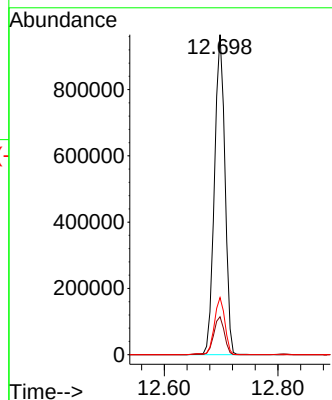
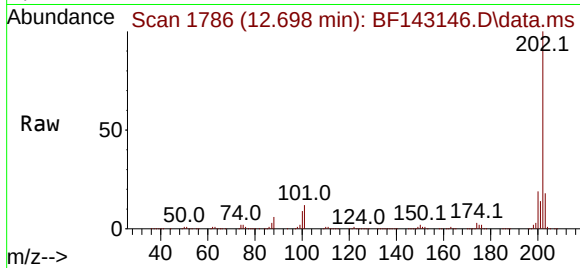




#75
Fluoranthene
Concen: 57.122 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

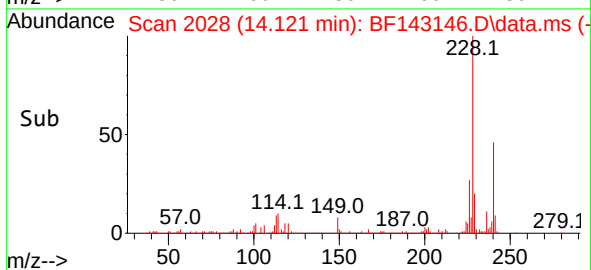
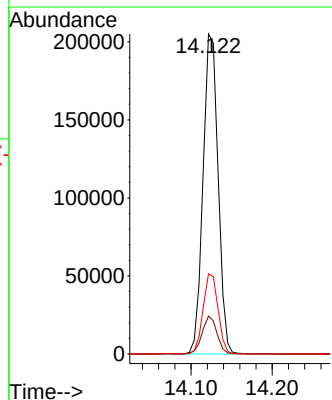
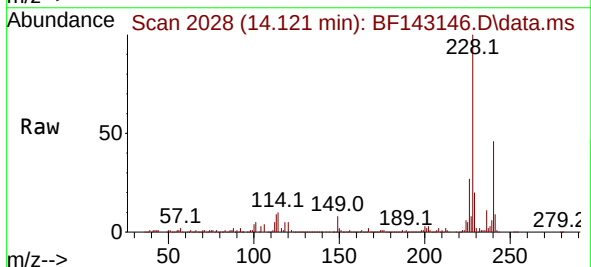
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

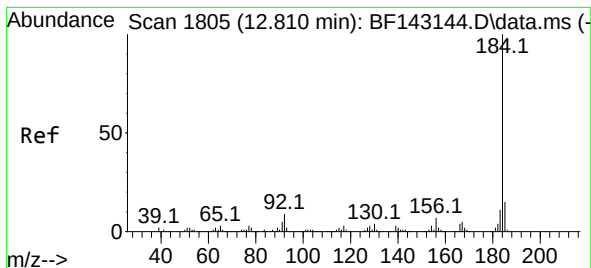
Tgt Ion:202 Resp: 1232952
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:240 Resp: 264384
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.1 20.2 30.4





#77

Benzidine

Concen: 46.785 ng

RT: 12.810 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

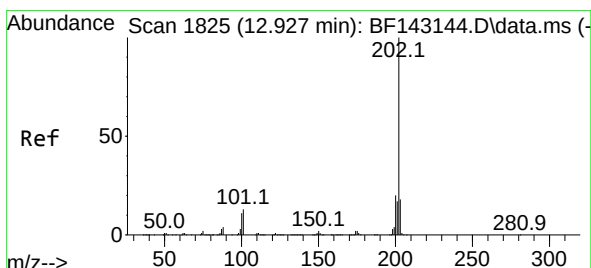
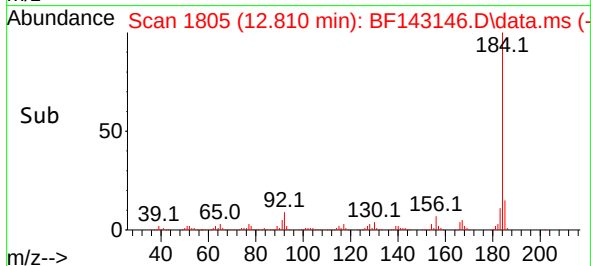
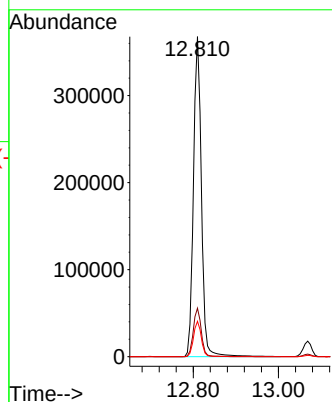
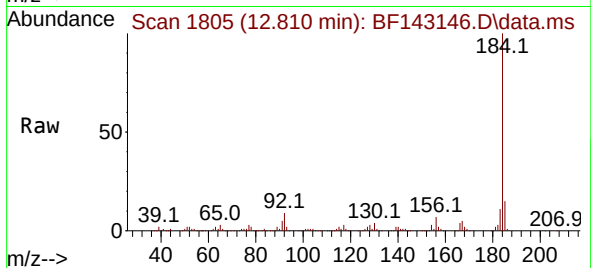
Tgt Ion:184 Resp: 476553

Ion Ratio Lower Upper

184 100

185 15.1 12.2 18.4

183 11.0 9.0 13.4



#78

Pyrene

Concen: 53.536 ng

RT: 12.927 min Scan# 1825

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

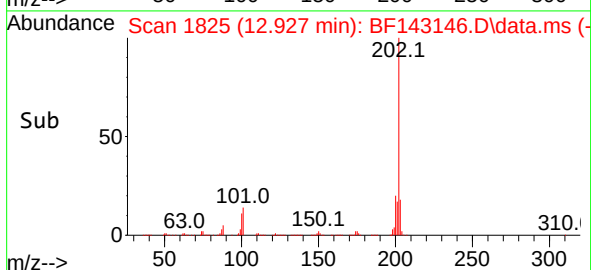
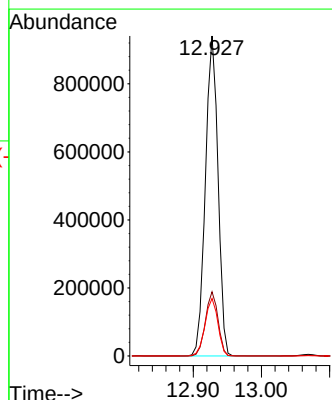
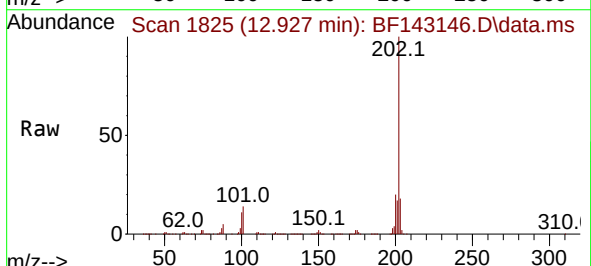
Tgt Ion:202 Resp: 1207978

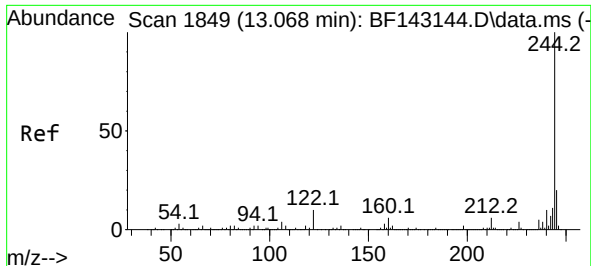
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 18.0 14.2 21.2

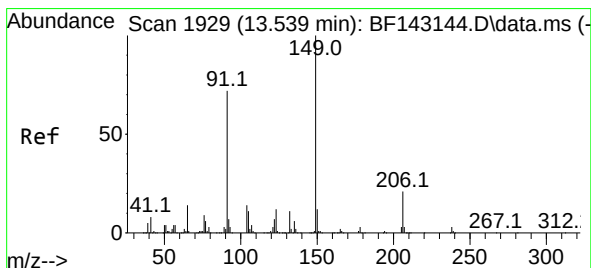
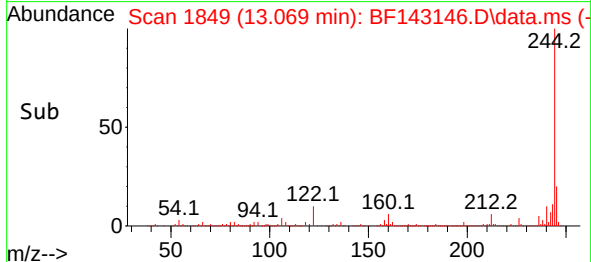
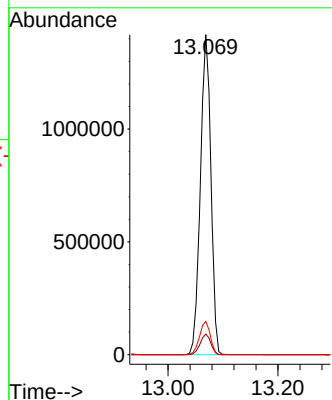
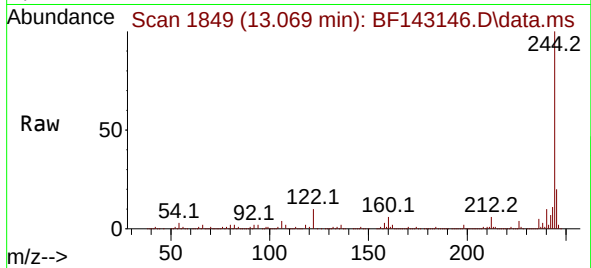




#79
 Terphenyl-d14
 Concen: 106.298 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143146.D
 Acq: 17 Jul 2025 14:04

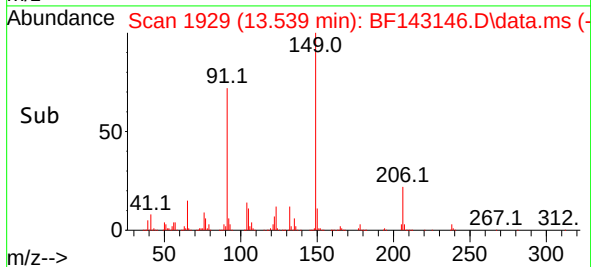
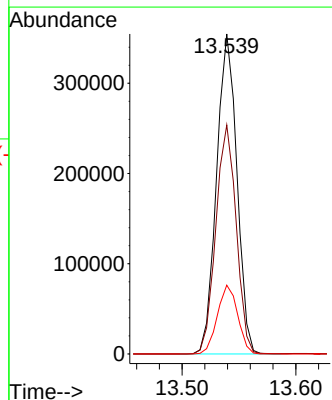
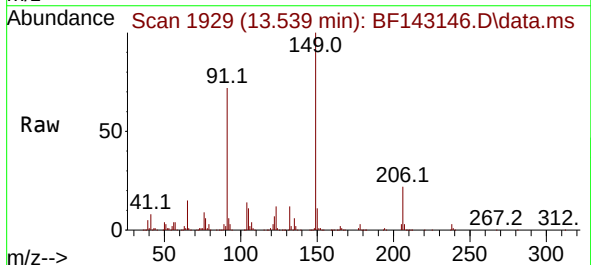
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

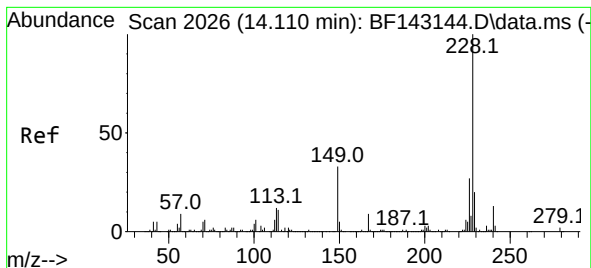
Tgt Ion:244 Resp: 1888544
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.4 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 63.875 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. 0.000 min
 Lab File: BF143146.D
 Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 441334
 Ion Ratio Lower Upper
 149 100
 91 71.6 57.9 86.9
 206 21.5 17.0 25.4





#81

Benzo(a)anthracene

Concen: 58.825 ng

RT: 14.110 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

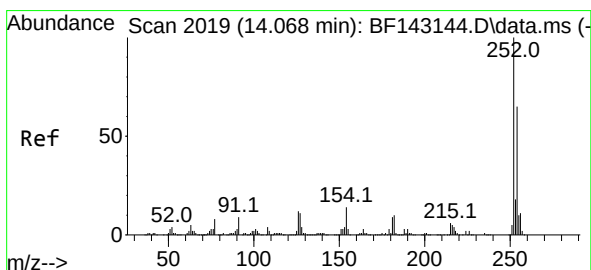
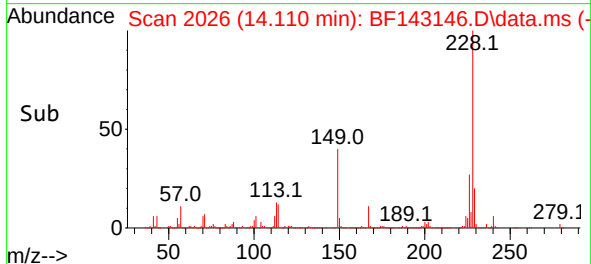
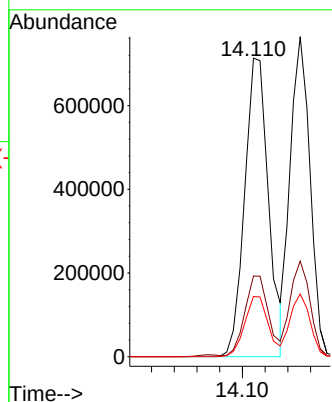
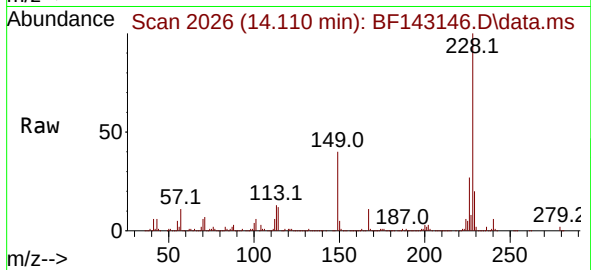
Tgt Ion:228 Resp: 1041236

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 20.2 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 59.155 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

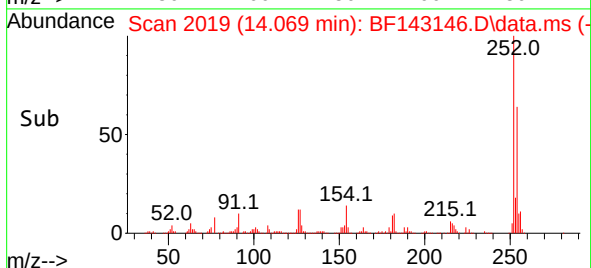
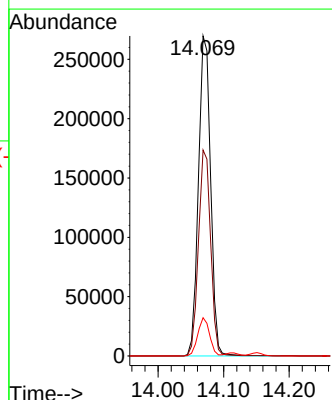
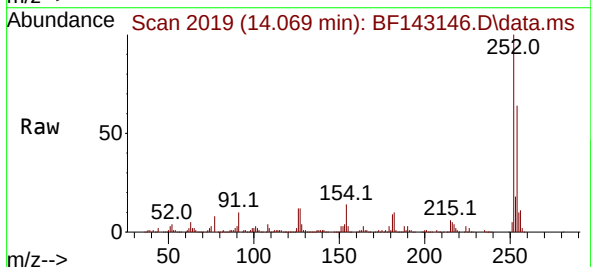
Tgt Ion:252 Resp: 348979

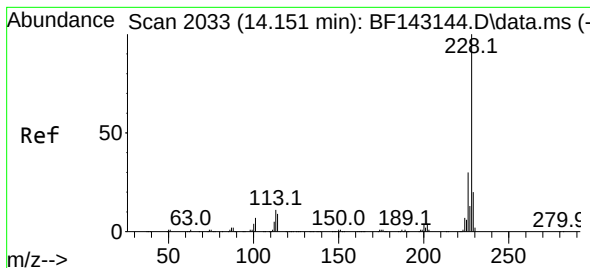
Ion Ratio Lower Upper

252 100

254 64.4 51.7 77.5

126 12.0 9.4 14.0





#83

Chrysene

Concen: 58.472 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

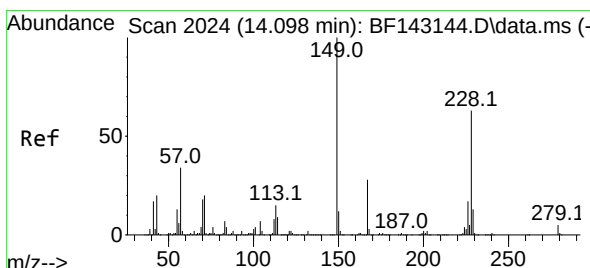
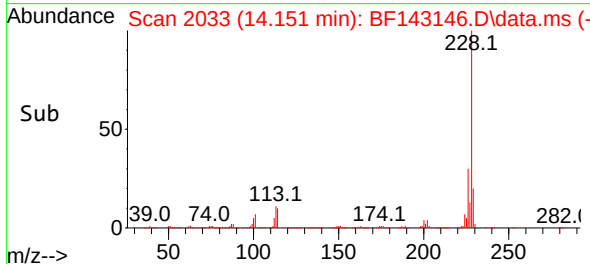
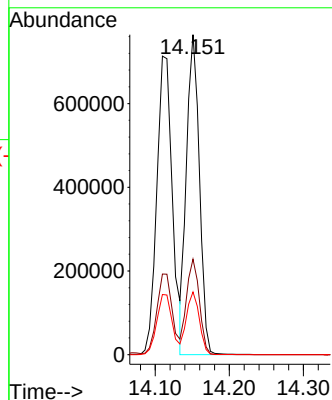
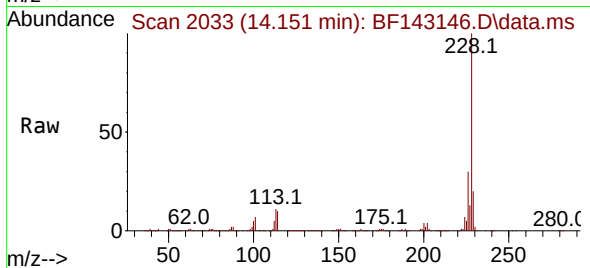
Tgt Ion:228 Resp: 930545

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.678 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

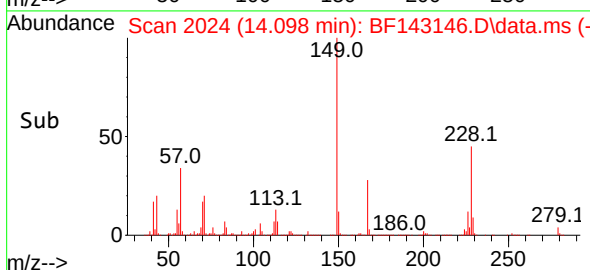
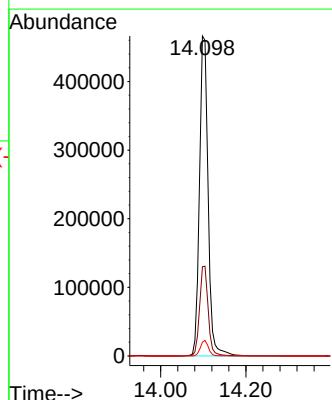
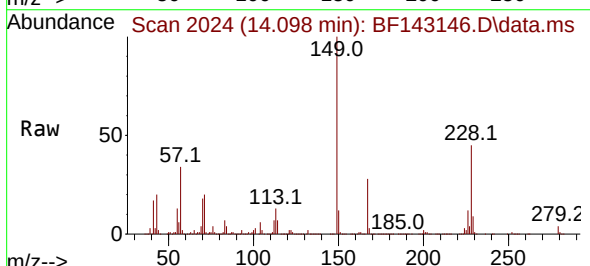
Tgt Ion:149 Resp: 655482

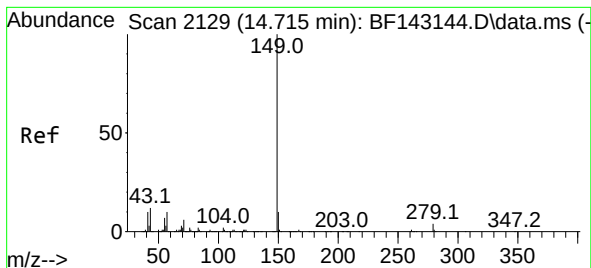
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

279 4.3 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 63.095 ng

RT: 14.716 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

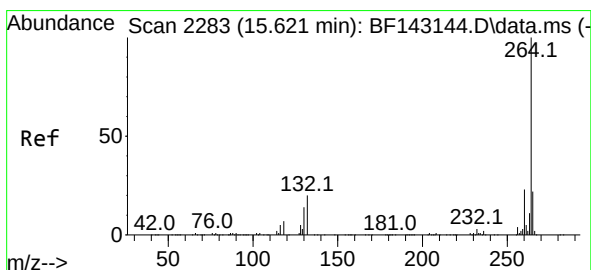
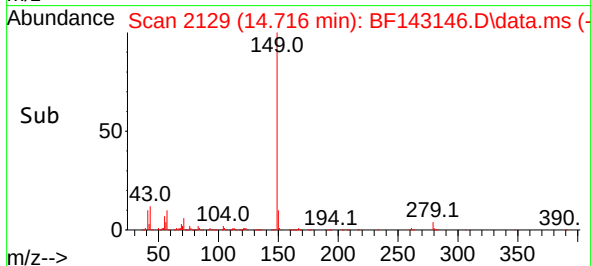
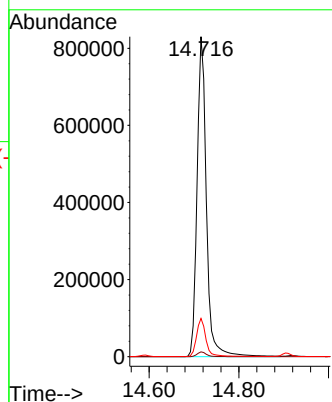
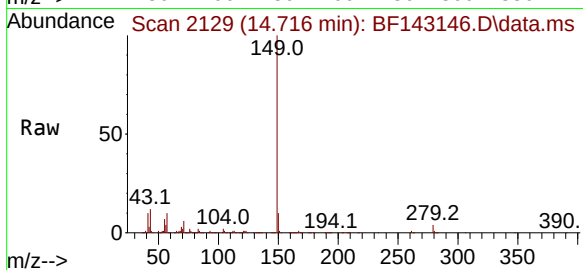
Tgt Ion:149 Resp: 1196044

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 12.0 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

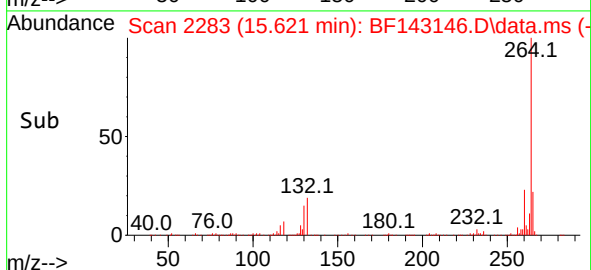
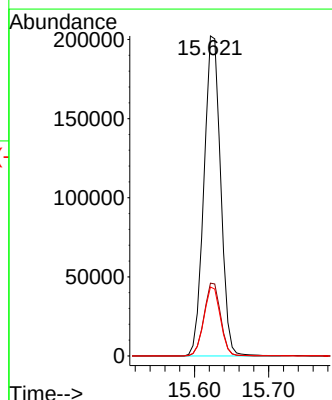
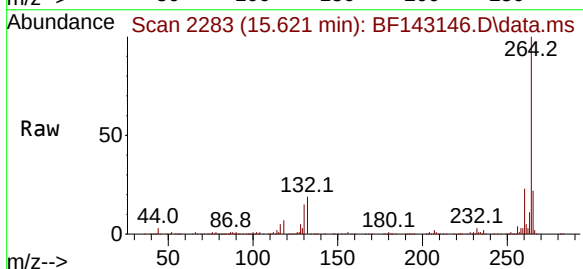
Tgt Ion:264 Resp: 315904

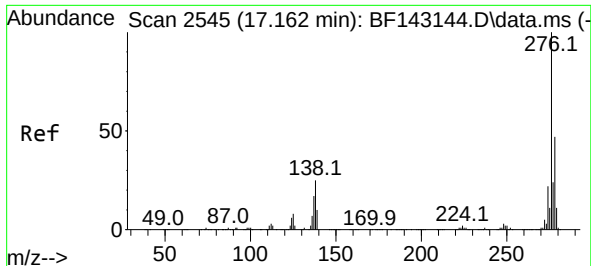
Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 21.5 17.4 26.2

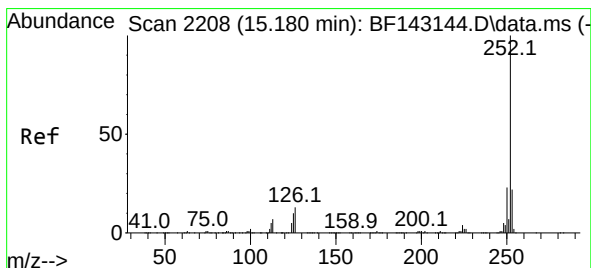
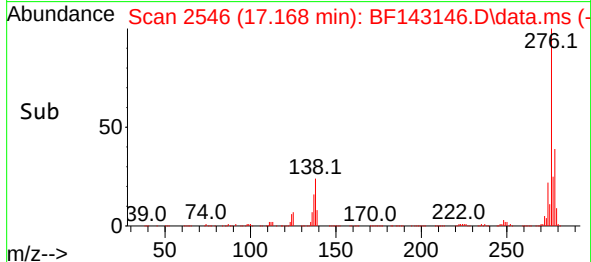
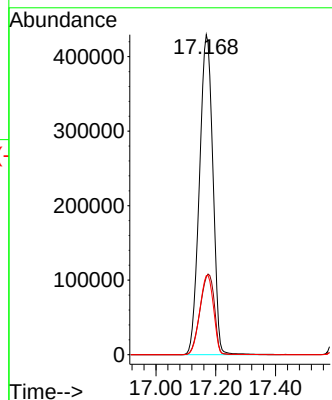
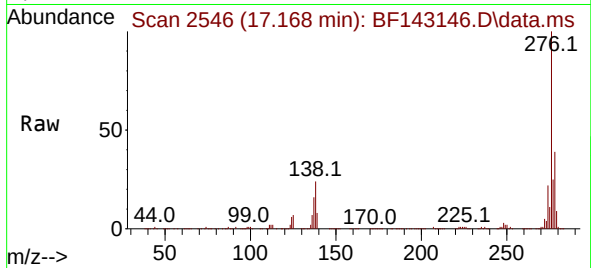




#87
Indeno(1,2,3-cd)pyrene
Concen: 60.037 ng
RT: 17.168 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

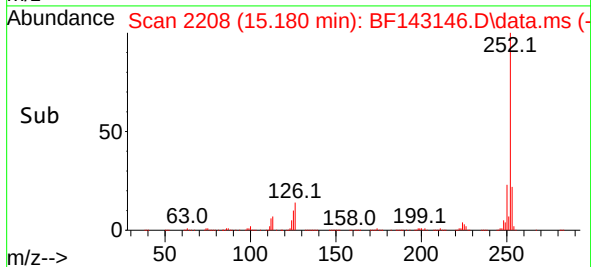
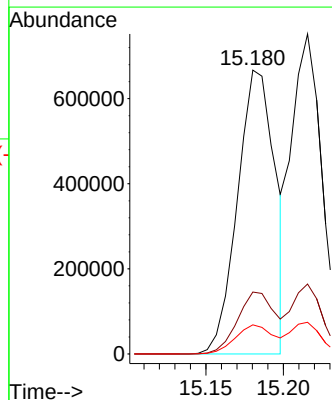
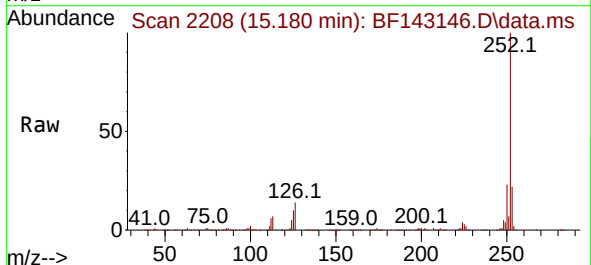
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

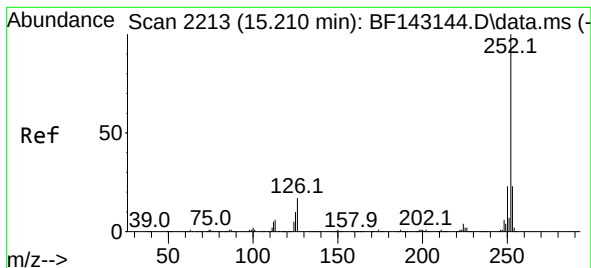
Tgt Ion:276 Resp: 1337361
Ion Ratio Lower Upper
276 100
138 26.9 21.8 32.6
277 25.4 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 58.328 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:252 Resp: 1125667
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 59.411 ng

RT: 15.216 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

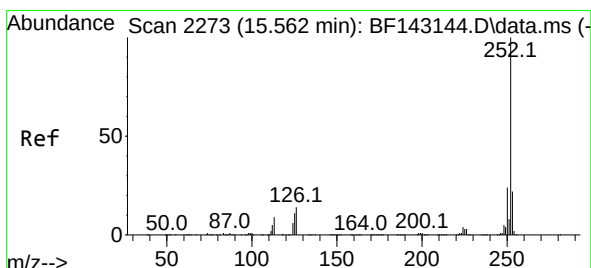
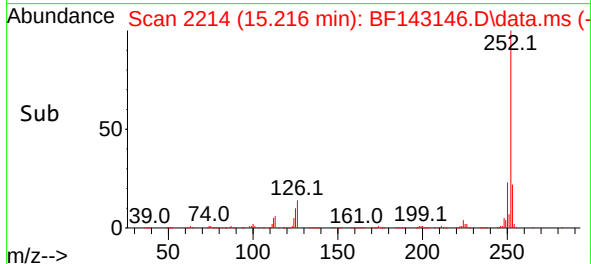
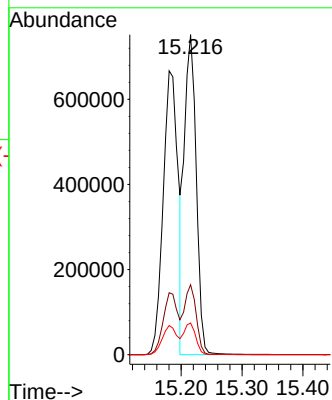
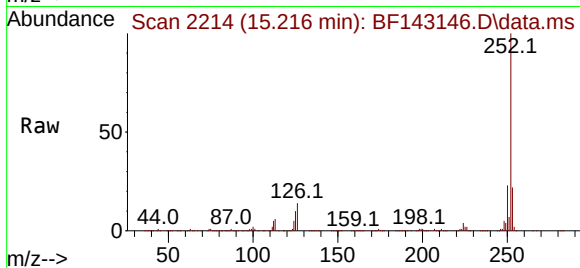
Tgt Ion:252 Resp: 1023132

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 9.9 8.1 12.1



#90

Benzo(a)pyrene

Concen: 59.730 ng

RT: 15.563 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

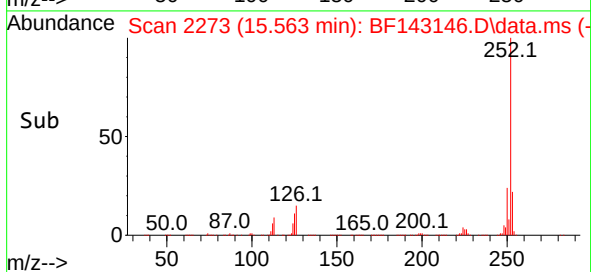
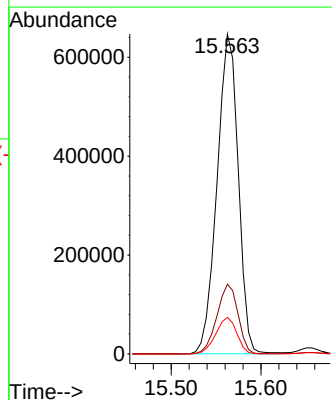
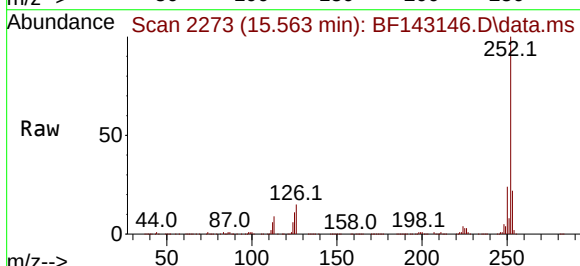
Tgt Ion:252 Resp: 1062049

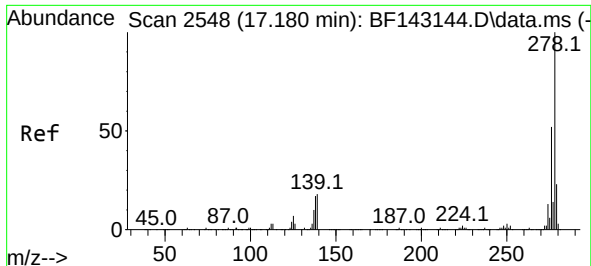
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 11.5 8.6 13.0

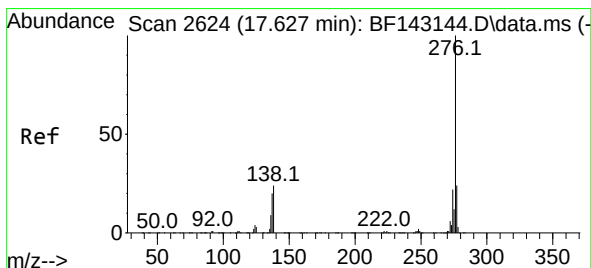
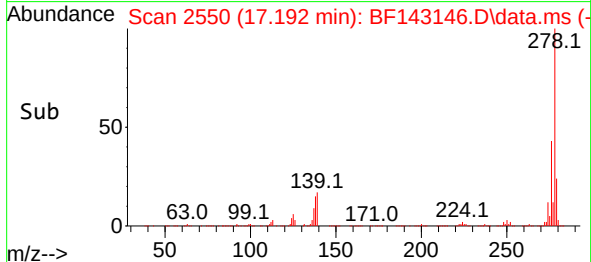
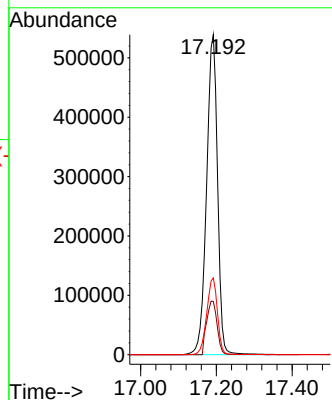
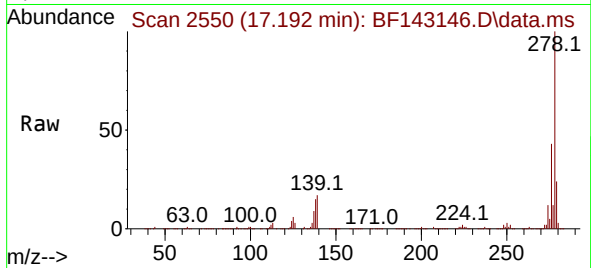




#91
Dibenzo(a,h)anthracene
Concen: 59.610 ng
RT: 17.192 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

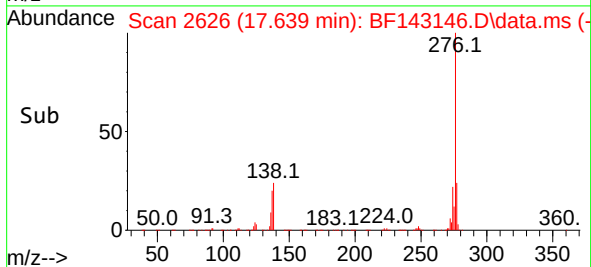
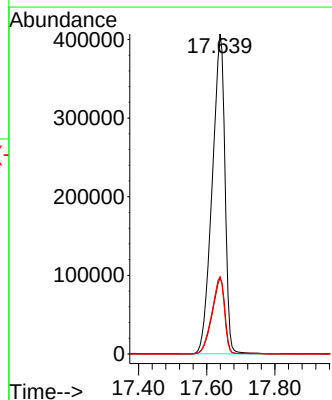
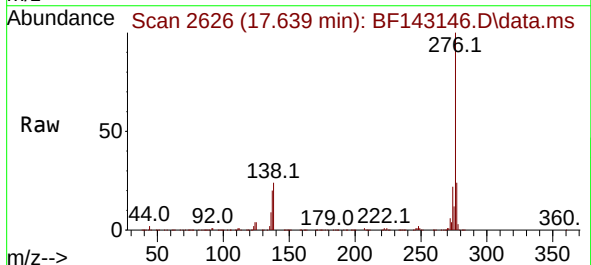
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1080768
Ion Ratio Lower Upper
278 100
139 16.6 14.1 21.1
279 24.0 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 60.163 ng
RT: 17.639 min Scan# 2626
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:276 Resp: 1055168
Ion Ratio Lower Upper
276 100
277 23.7 19.1 28.7
138 24.2 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143147.D
 Acq On : 17 Jul 2025 14:34
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Jul 17 15:05:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	145034	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	544516	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	275619	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	429046	20.000	ng	0.00
76) Chrysene-d12	14.127	240	245351	20.000	ng	0.00
86) Perylene-d12	15.627	264	296687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1300344	141.880	ng	0.00
7) Phenol-d6	6.593	99	1639937	142.159	ng	0.00
23) Nitrobenzene-d5	7.534	82	1644581	150.551	ng	0.01
42) 2,4,6-Tribromophenol	10.792	330	437054	153.498	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2623071	130.157	ng	0.00
79) Terphenyl-d14	13.069	244	2202828	133.606	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.793	88	323993	74.710	ng	99
3) Pyridine	3.569	79	842446	74.844	ng	99
4) n-Nitrosodimethylamine	3.528	42	445612	76.677	ng	97
6) Aniline	6.628	93	1170943	72.831	ng	98
8) 2-Chlorophenol	6.751	128	699193	72.781	ng	99
9) Benzaldehyde	6.516	77	493544	57.055	ng	99
10) Phenol	6.610	94	927252	73.783	ng	88
11) bis(2-Chloroethyl)ether	6.698	93	697645	72.503	ng	100
12) 1,3-Dichlorobenzene	6.910	146	734699	70.400	ng	100
13) 1,4-Dichlorobenzene	6.987	146	739462	70.360	ng	99
14) 1,2-Dichlorobenzene	7.140	146	709300	70.958	ng	100
15) Benzyl Alcohol	7.104	79	661847	75.139	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1265589	70.902	ng	99
17) 2-Methylphenol	7.210	107	595477	73.719	ng	99
18) Hexachloroethane	7.481	117	266665	73.293	ng	99
19) n-Nitroso-di-n-propyla...	7.387	70	528820	71.452	ng	99
20) 3+4-Methylphenols	7.369	107	673906	68.763	ng	# 87
22) Acetophenone	7.375	105	890890	69.107	ng	# 95
24) Nitrobenzene	7.551	77	751964	73.836	ng	100
25) Isophorone	7.792	82	1453353	75.366	ng	99
26) 2-Nitrophenol	7.863	139	364951	82.568	ng	100
27) 2,4-Dimethylphenol	7.898	122	649144	72.050	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	834021	72.134	ng	99
29) 2,4-Dichlorophenol	8.104	162	558665	73.527	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	588333	71.673	ng	99
31) Naphthalene	8.269	128	1854387	69.150	ng	100
32) Benzoic acid	8.028	122	409976	77.395	ng	99
33) 4-Chloroaniline	8.310	127	787243	71.895	ng	98
34) Hexachlorobutadiene	8.392	225	368327	73.453	ng	99
35) Caprolactam	8.698	113	178271	77.644	ng	96
36) 4-Chloro-3-methylphenol	8.792	107	614048	74.354	ng	99
37) 2-Methylnaphthalene	8.957	142	1137176	69.687	ng	100
38) 1-Methylnaphthalene	9.057	142	1168702	69.550	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	568070	71.389	ng	99
41) Hexachlorocyclopentadiene	9.122	237	412756	79.719	ng	100
43) 2,4,6-Trichlorophenol	9.234	196	412148	74.838	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143147.D
 Acq On : 17 Jul 2025 14:34
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

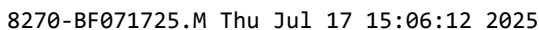
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 ClientSampleId :
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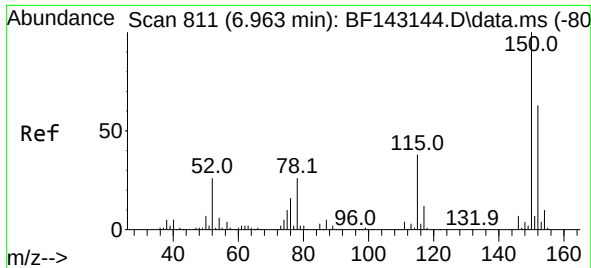
Quant Time: Jul 17 15:05:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	423565	76.888	ng	99
46) 1,1'-Biphenyl	9.428	154	1492094	69.388	ng	100
47) 2-Chloronaphthalene	9.451	162	1131626	71.122	ng	100
48) 2-Nitroaniline	9.534	65	404023	80.971	ng	96
49) Acenaphthylene	9.869	152	1868062	70.057	ng	100
50) Dimethylphthalate	9.728	163	1288559	71.723	ng	99
51) 2,6-Dinitrotoluene	9.781	165	292718	80.093	ng	99
52) Acenaphthene	10.039	154	1120315	71.086	ng	99
53) 3-Nitroaniline	9.951	138	333980	78.128	ng	98
54) 2,4-Dinitrophenol	10.051	184	133446	80.516	ng #	40
55) Dibenzofuran	10.210	168	1615399	69.038	ng	99
56) 4-Nitrophenol	10.098	139	252698	79.161	ng	99
57) 2,4-Dinitrotoluene	10.186	165	376124	82.029	ng	96
58) Fluorene	10.551	166	1197731	68.203	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	340118	74.533	ng	100
60) Diethylphthalate	10.422	149	1276217	71.870	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	614962	70.326	ng	99
62) 4-Nitroaniline	10.569	138	291926	79.680	ng	98
63) Azobenzene	10.704	77	1318720	71.255	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	186415	78.948	ng	98
66) n-Nitrosodiphenylamine	10.663	169	1087990	72.014	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	382122	74.734	ng	98
68) Hexachlorobenzene	11.104	284	399107	74.680	ng	96
69) Atrazine	11.180	200	324126	77.819	ng	99
70) Pentachlorophenol	11.286	266	257176	81.829	ng	98
71) Phenanthrene	11.516	178	1602208	70.331	ng	100
72) Anthracene	11.563	178	1641264	70.640	ng	100
73) Carbazole	11.710	167	1435444	70.754	ng	99
74) Di-n-butylphthalate	12.045	149	1699503	74.034	ng	100
75) Fluoranthene	12.698	202	1498103	71.645	ng	99
77) Benzidine	12.810	184	496717	52.548	ng	100
78) Pyrene	12.927	202	1466205	70.021	ng	100
80) Butylbenzylphthalate	13.539	149	521631	81.353	ng	99
81) Benzo(a)anthracene	14.116	228	1212056	73.788	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	393448	71.867	ng	99
83) Chrysene	14.151	228	1105636	74.863	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	774366	79.790	ng	99
85) Di-n-octyl phthalate	14.716	149	1434055	81.519	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	1604969	76.718	ng	99
88) Benzo(b)fluoranthene	15.186	252	1438518	79.367	ng	100
89) Benzo(k)fluoranthene	15.216	252	1111726	68.737	ng	100
90) Benzo(a)pyrene	15.568	252	1269253	76.006	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	1289789	75.746	ng	99
92) Benzo(g,h,i)perylene	17.645	276	1265778	76.846	ng	100

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

Quant Time: Jul 17 15:05:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

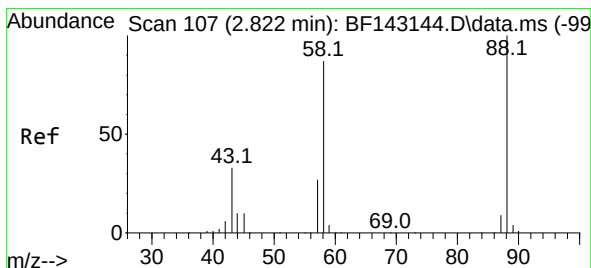
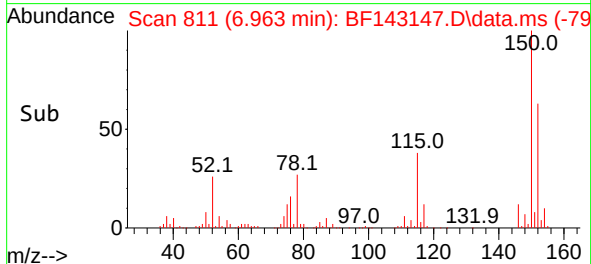
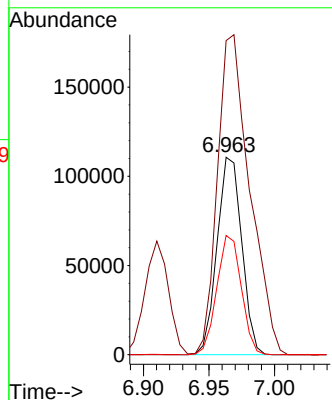
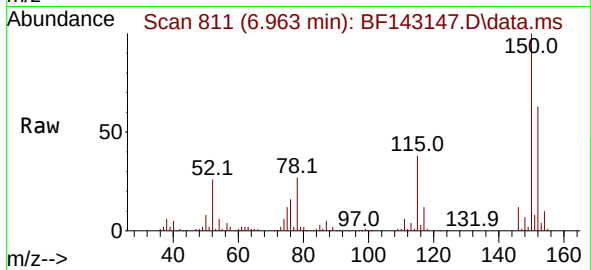




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143147.D
 Acq: 17 Jul 2025 14:34

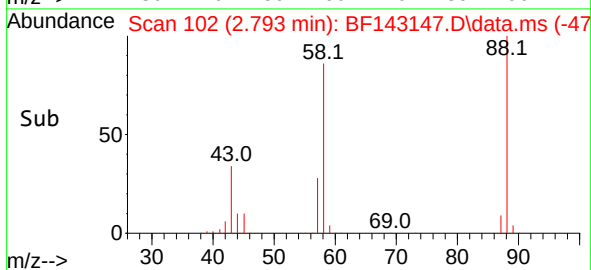
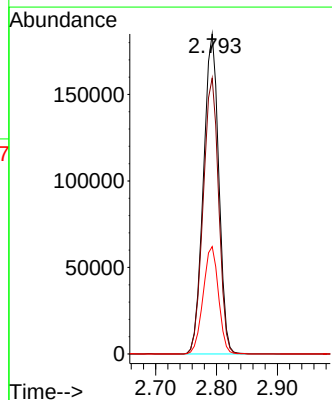
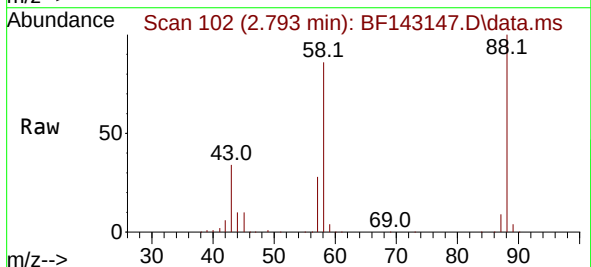
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

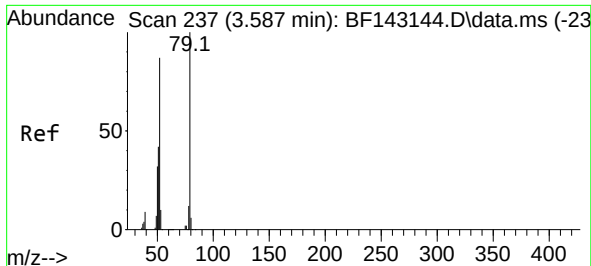
Tgt Ion:152 Resp: 145034
 Ion Ratio Lower Upper
 152 100
 150 159.0 128.2 192.4
 115 60.4 47.9 71.9



#2
 1,4-Dioxane
 Concen: 74.710 ng
 RT: 2.793 min Scan# 102
 Delta R.T. -0.029 min
 Lab File: BF143147.D
 Acq: 17 Jul 2025 14:34

Tgt Ion: 88 Resp: 323993
 Ion Ratio Lower Upper
 88 100
 58 86.8 70.2 105.2
 43 33.6 27.1 40.7

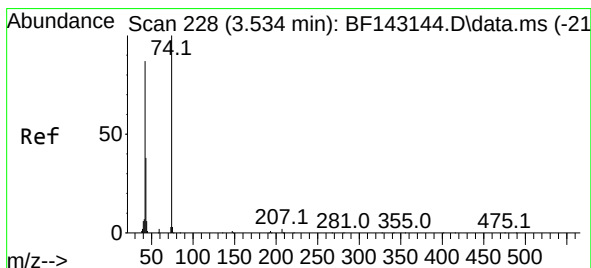
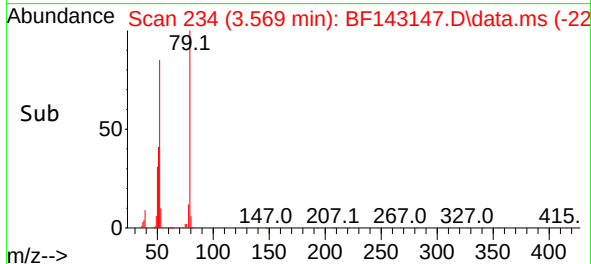
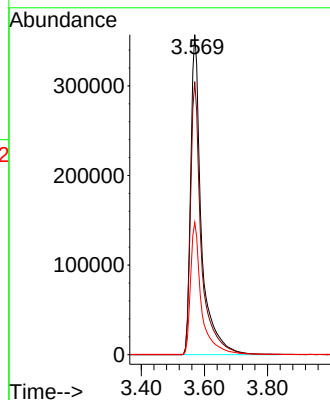
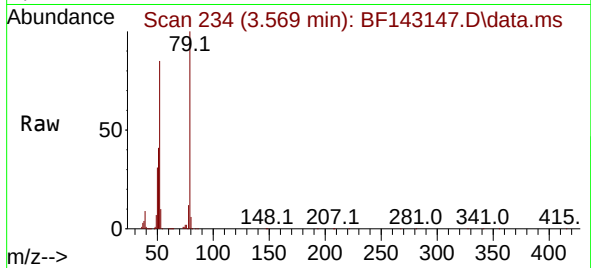




#3
Pyridine
Concen: 74.844 ng
RT: 3.569 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

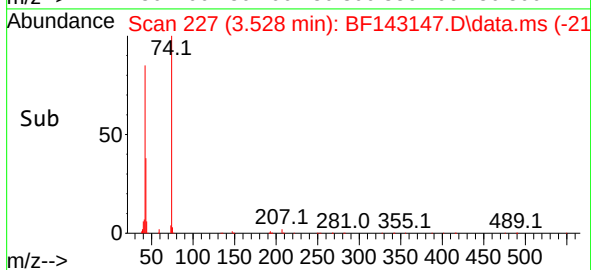
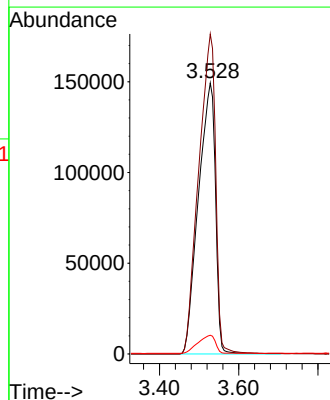
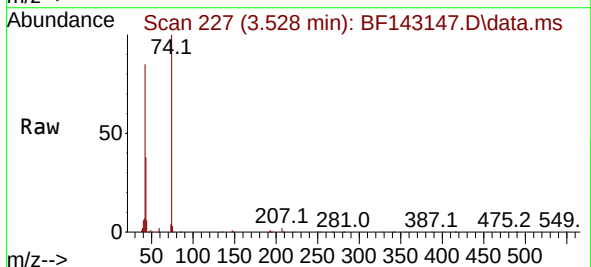
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

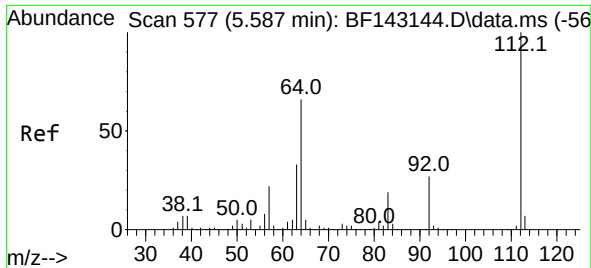
Tgt Ion: 79 Resp: 842446
Ion Ratio Lower Upper
79 100
52 85.3 69.4 104.2
51 41.4 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 76.677 ng
RT: 3.528 min Scan# 227
Delta R.T. -0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 42 Resp: 445612
Ion Ratio Lower Upper
42 100
74 118.0 91.7 137.5
44 6.9 5.6 8.4

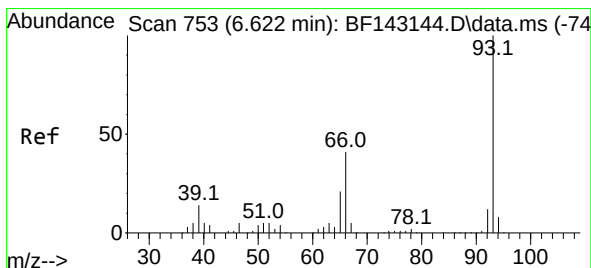
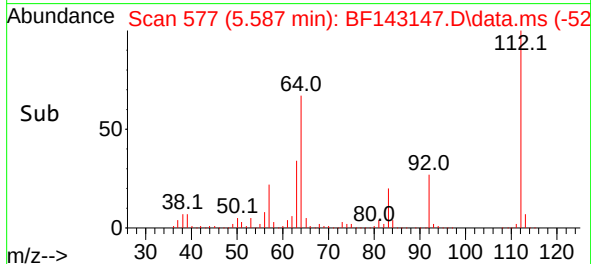
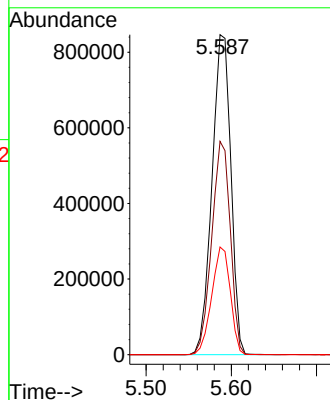
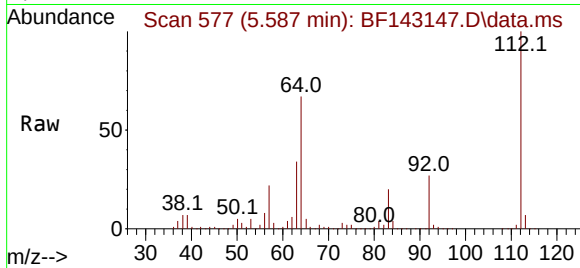




#5
2-Fluorophenol
Concen: 141.880 ng
RT: 5.587 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

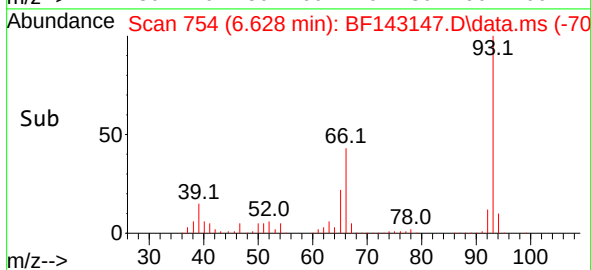
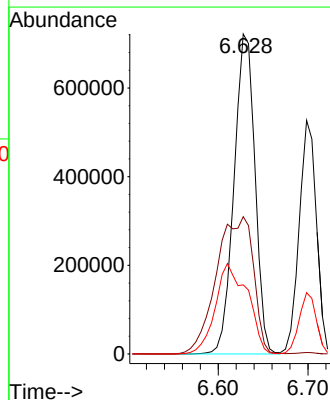
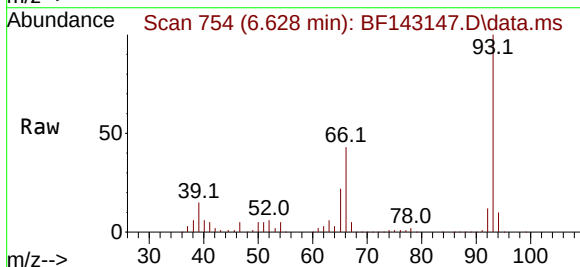
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

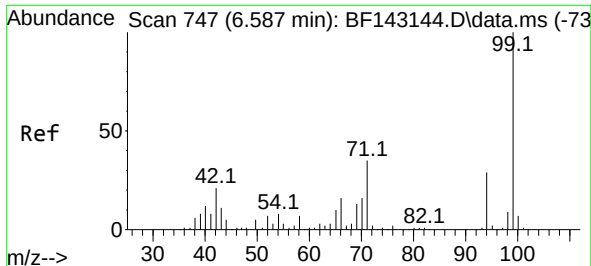
Tgt Ion:112 Resp: 1300344
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 33.6 26.6 40.0



#6
Aniline
Concen: 72.831 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 93 Resp: 1170943
Ion Ratio Lower Upper
93 100
66 42.9 33.2 49.8
65 21.6 16.9 25.3





#7

Phenol-d6

Concen: 142.159 ng

RT: 6.593 min Scan# 74

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

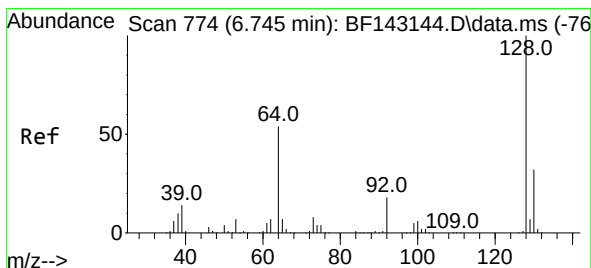
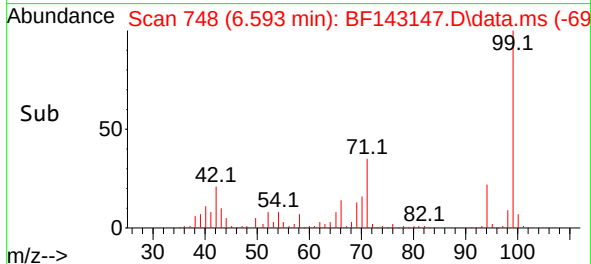
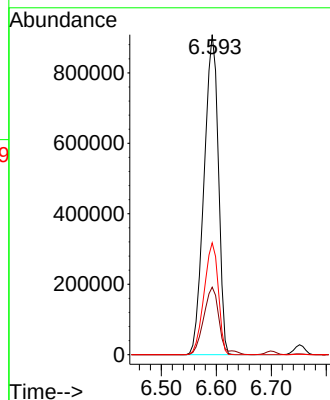
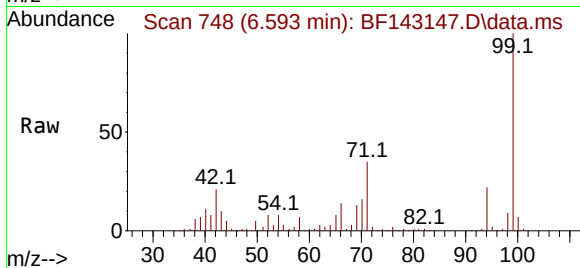
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 1639937

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	35.0	27.7	41.5



#8

2-Chlorophenol

Concen: 72.781 ng

RT: 6.751 min Scan# 775

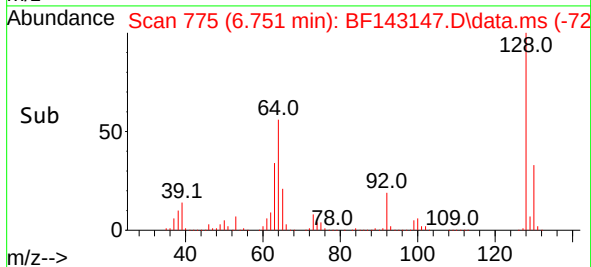
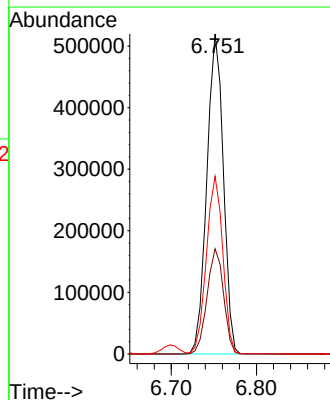
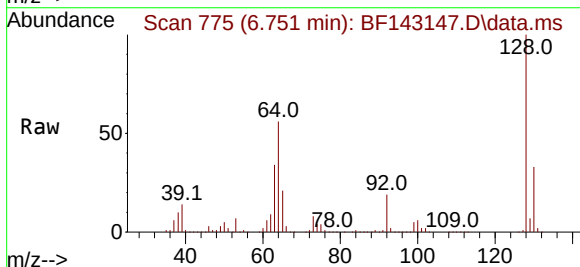
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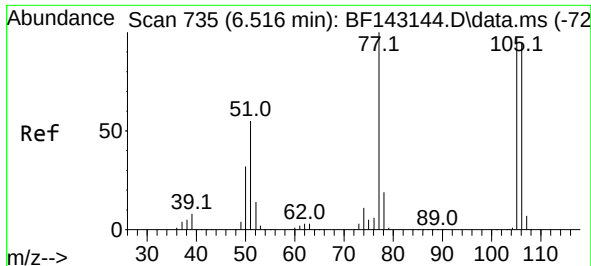
Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion:128 Resp: 699193

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.3	52.3
64	55.5	35.9	75.9

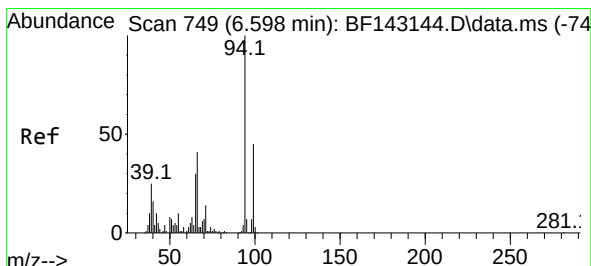
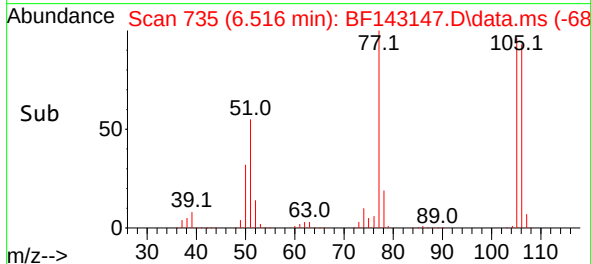
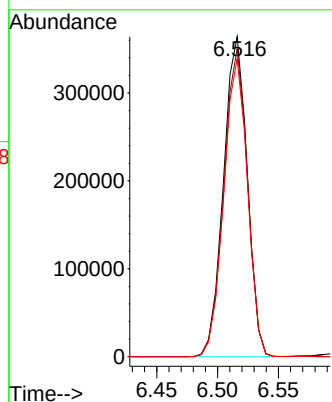
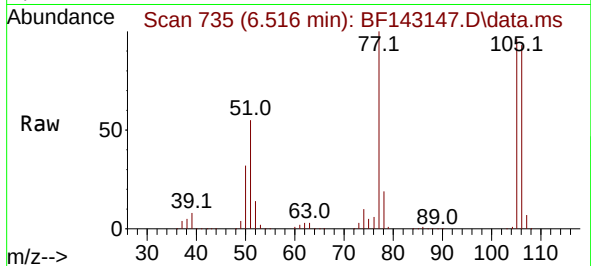




#9
Benzaldehyde
Concen: 57.055 ng
RT: 6.516 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

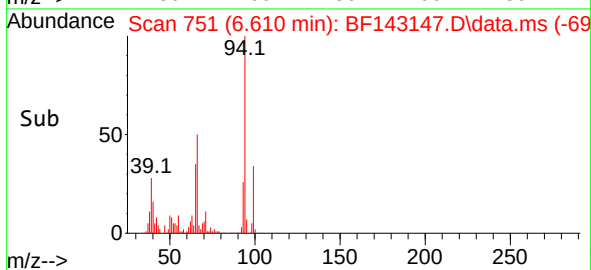
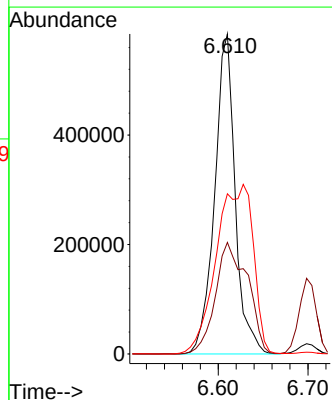
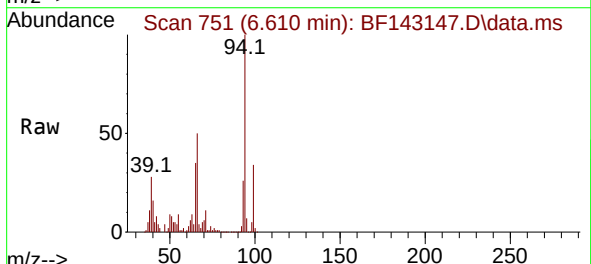
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

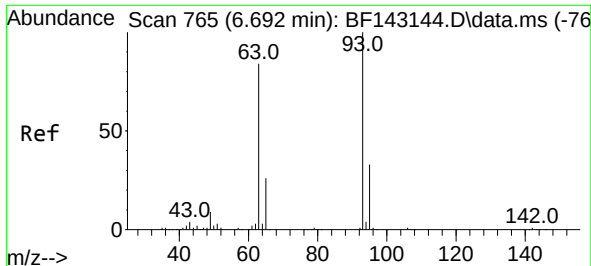
Tgt Ion:	77	Resp:	493544
Ion Ratio	Lower	Upper	
77	100		
105	96.2	76.8	116.8
106	93.1	74.4	114.4



#10
Phenol
Concen: 73.783 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:	94	Resp:	927252
Ion Ratio	Lower	Upper	
94	100		
65	34.9	10.0	50.0
66	50.1	20.8	60.8





#11

bis(2-Chloroethyl)ether

Concen: 72.503 ng

RT: 6.698 min Scan# 766

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

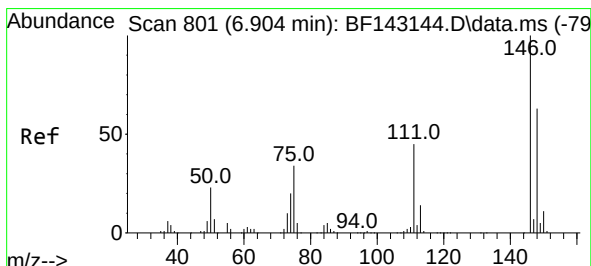
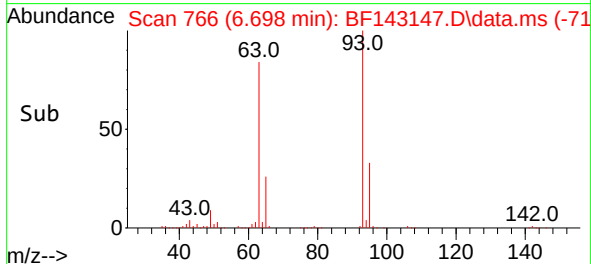
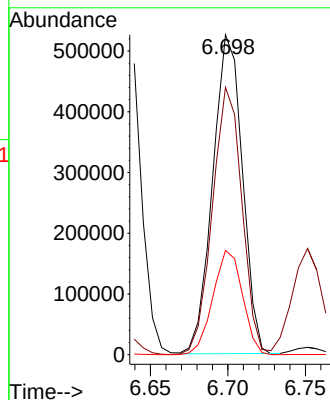
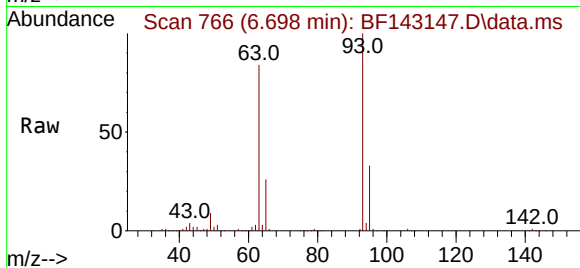
Tgt Ion: 93 Resp: 697645

Ion Ratio Lower Upper

93 100

63 83.6 63.4 103.4

95 32.6 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 70.400 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

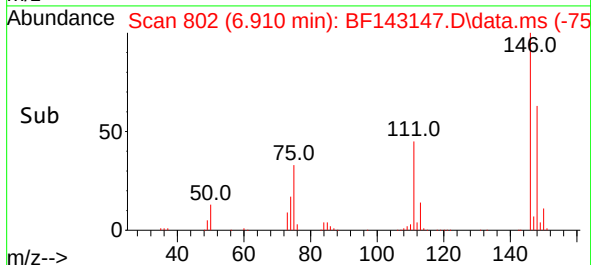
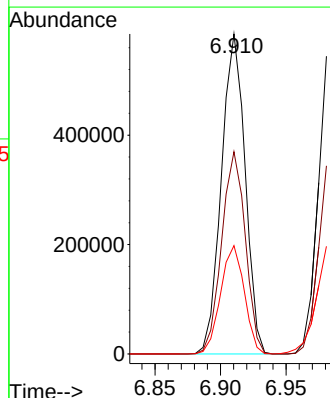
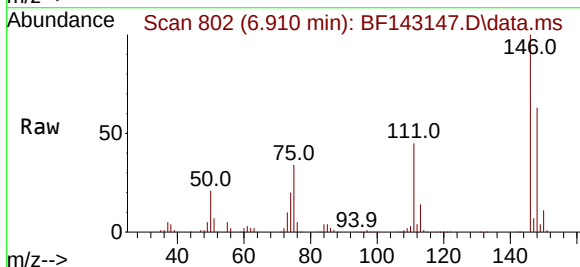
Tgt Ion:146 Resp: 734699

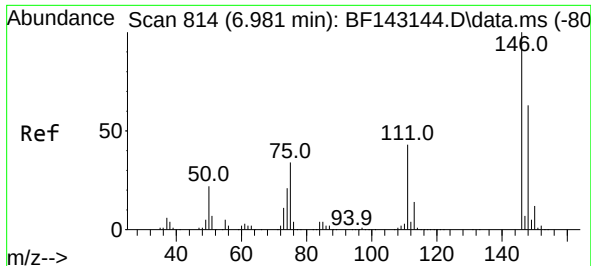
Ion Ratio Lower Upper

146 100

148 63.2 50.6 76.0

75 33.9 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 70.360 ng

RT: 6.987 min Scan# 814

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

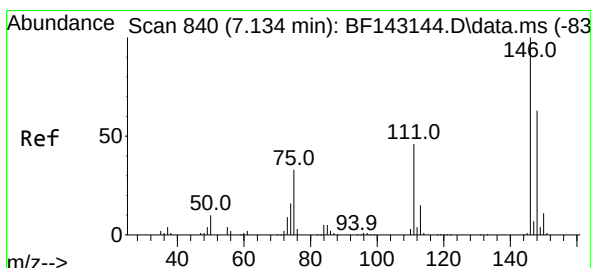
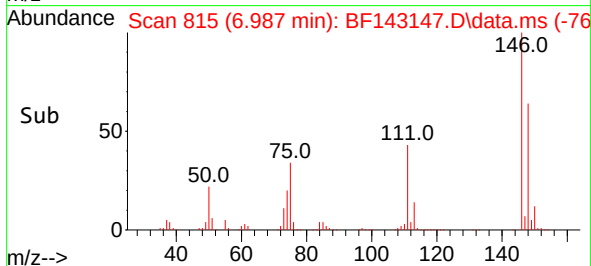
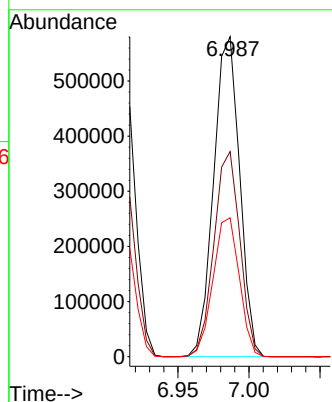
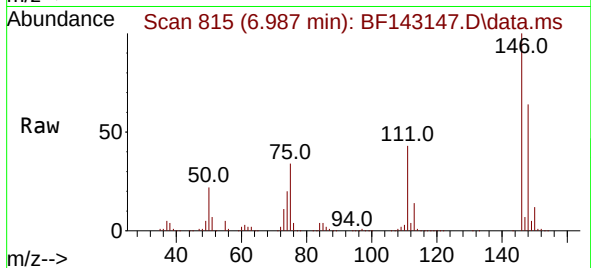
Tgt Ion:146 Resp: 739462

Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

111 43.4 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 70.958 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

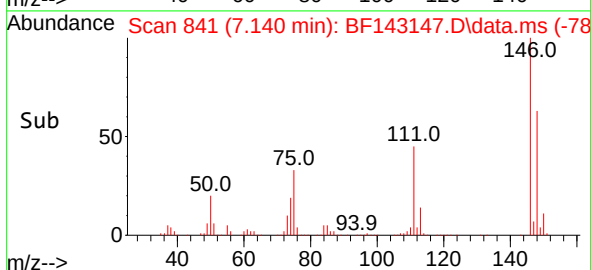
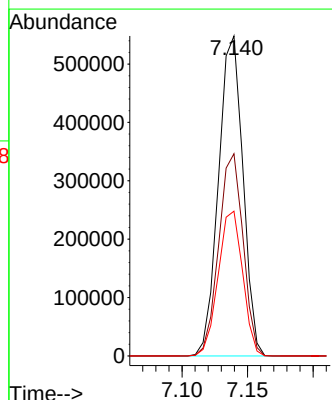
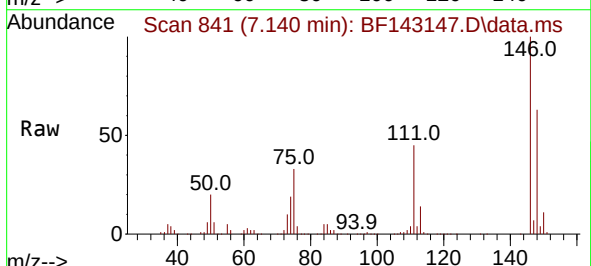
Tgt Ion:146 Resp: 709300

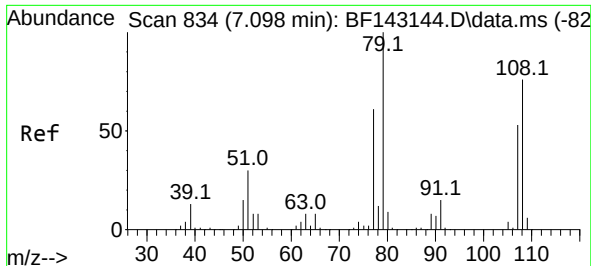
Ion Ratio Lower Upper

146 100

148 63.2 50.7 76.1

111 45.3 36.6 54.8

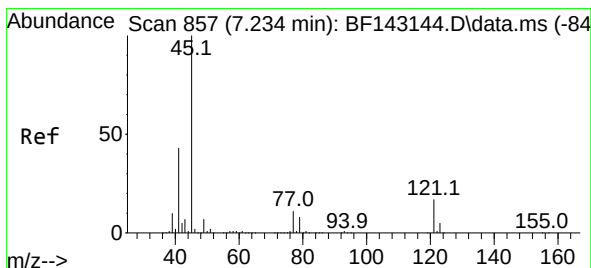
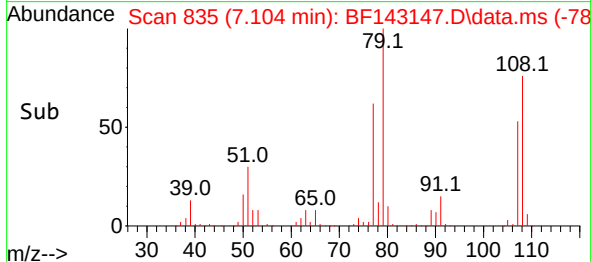
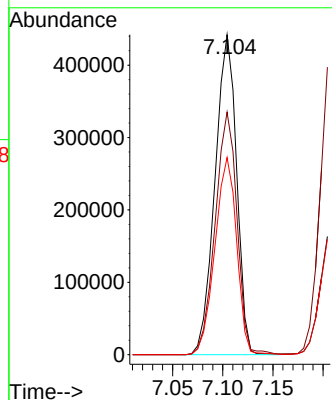
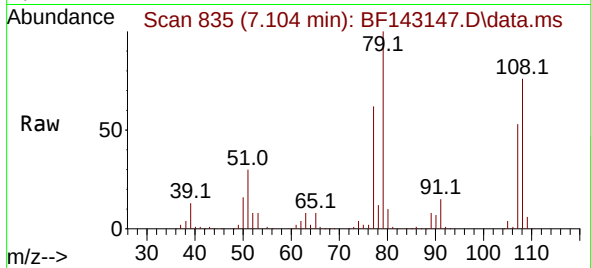




#15
Benzyl Alcohol
Concen: 75.139 ng
RT: 7.104 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

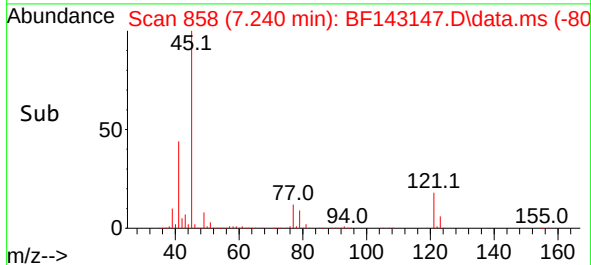
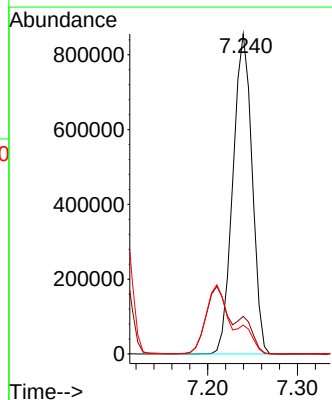
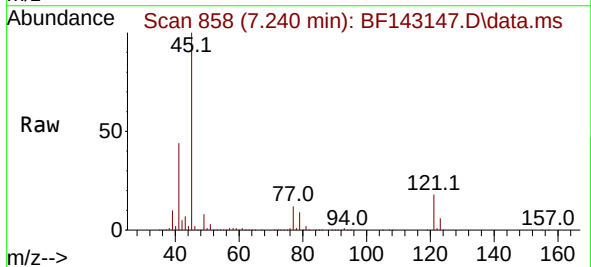
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

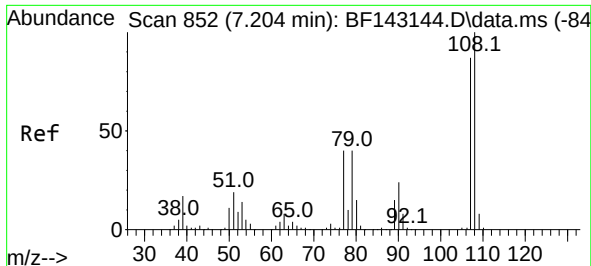
Tgt Ion: 79 Resp: 661847
Ion Ratio Lower Upper
79 100
108 75.8 61.1 91.7
77 61.6 48.9 73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.902 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 45 Resp: 1265589
Ion Ratio Lower Upper
45 100
77 11.8 0.0 31.2
79 9.0 0.0 28.5

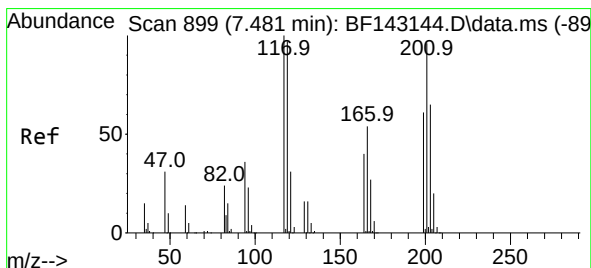
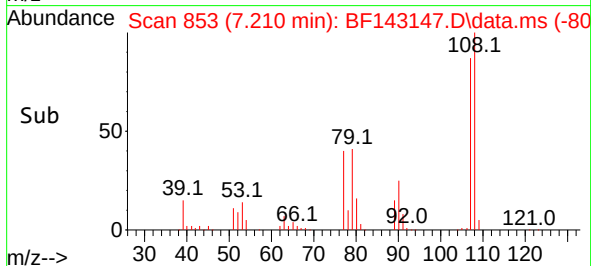
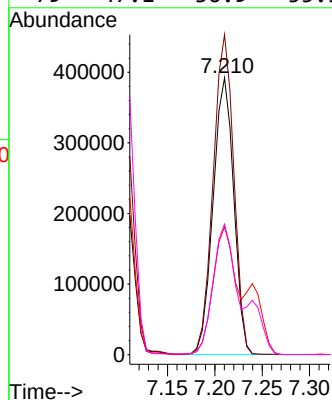
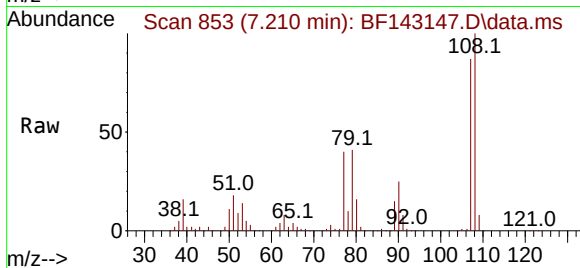




#17
2-Methylphenol
Concen: 73.719 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

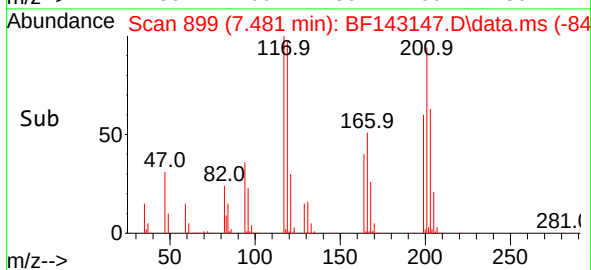
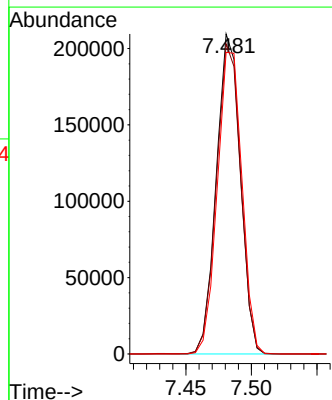
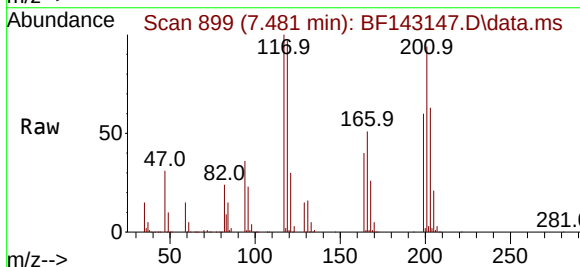
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

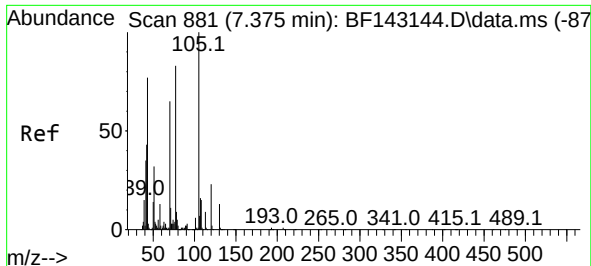
Tgt Ion:	107	Resp:	595477
Ion	Ratio	Lower	Upper
107	100		
108	115.6	91.8	137.6
77	46.2	37.0	55.6
79	47.1	36.9	55.3



#18
Hexachloroethane
Concen: 73.293 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:	117	Resp:	266665
Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.8
201	94.3	77.0	115.4

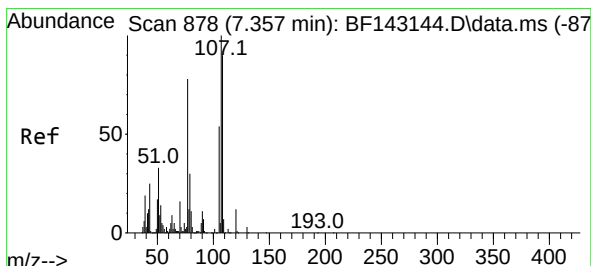
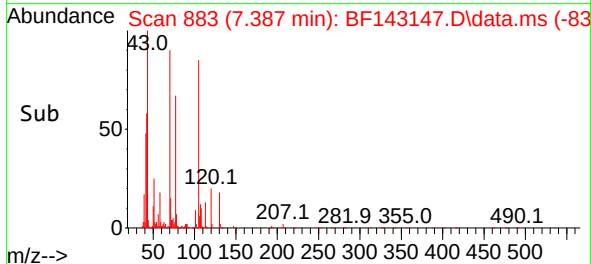
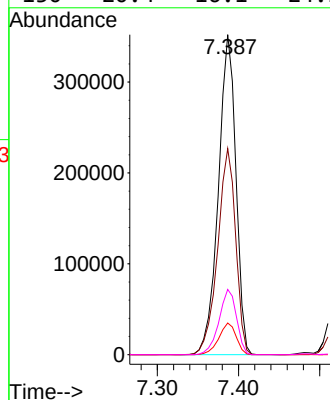
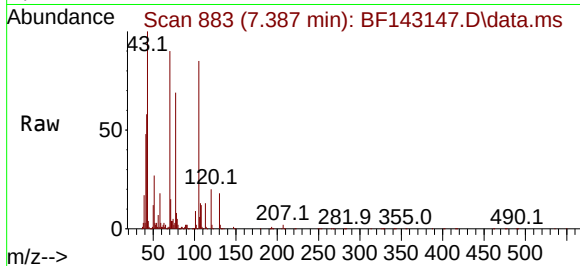




#19
n-Nitroso-di-n-propylamine
Concen: 71.452 ng
RT: 7.387 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

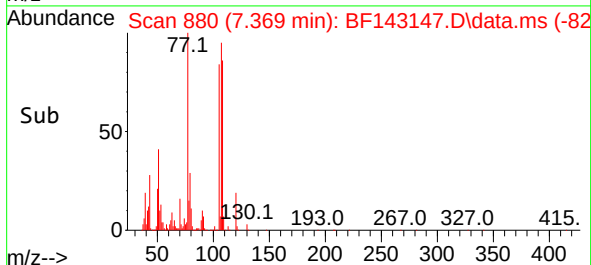
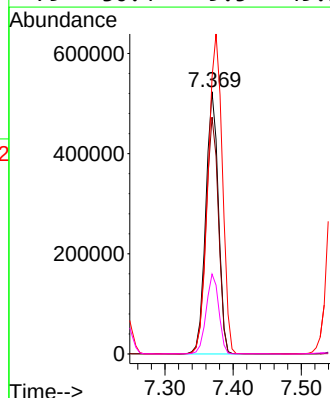
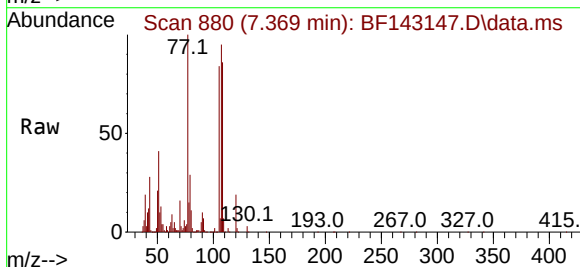
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

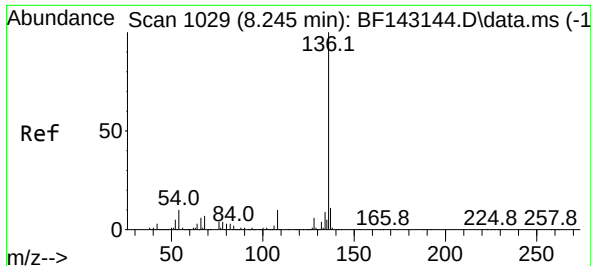
Tgt Ion:	70	Resp:	528820
Ion	Ratio	Lower	Upper
70	100		
42	64.4	52.5	78.7
101	9.9	7.6	11.4
130	20.4	16.1	24.1



#20
3+4-Methylphenols
Concen: 68.763 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:	107	Resp:	673906
Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.0	110.0
77	105.4	57.8	97.8#
79	30.4	9.5	49.5

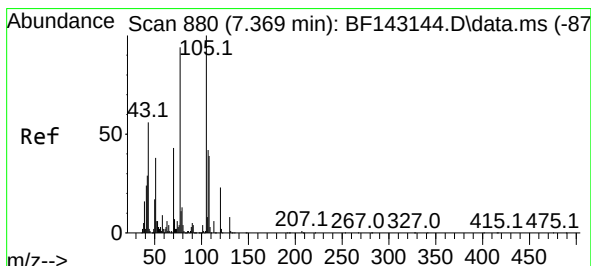
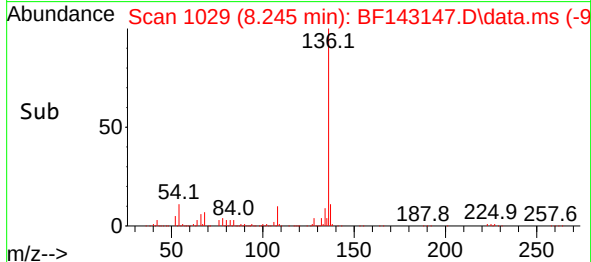
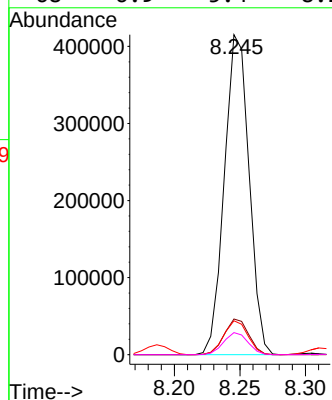
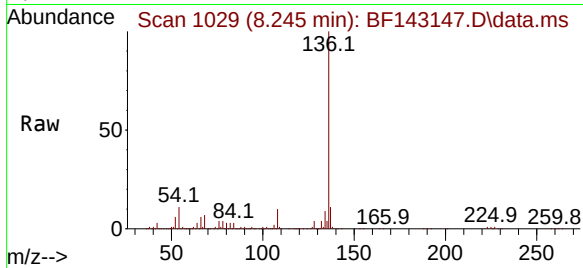




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

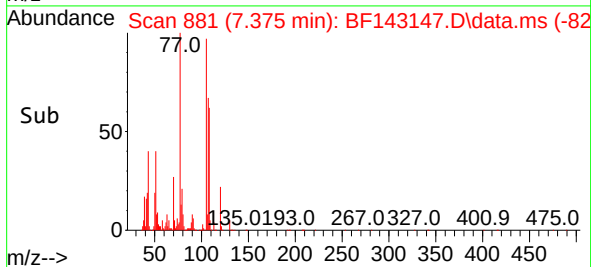
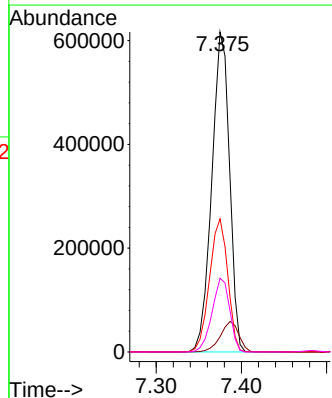
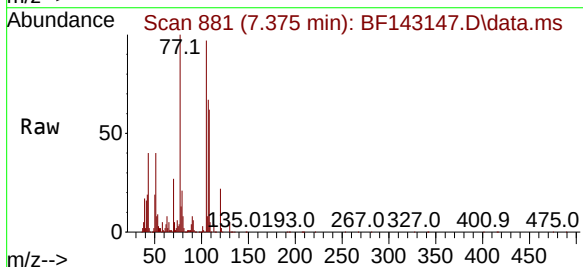
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

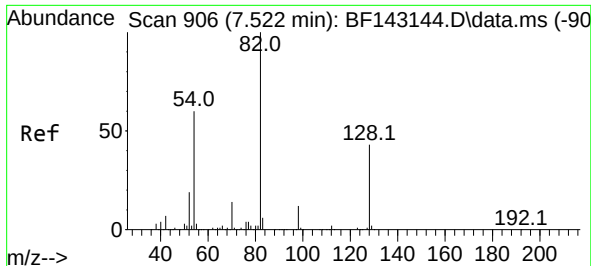
Tgt Ion:	136	Resp:	544516
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	10.6	8.2	12.2
68	6.9	5.4	8.2



#22
Acetophenone
Concen: 69.107 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:	105	Resp:	890890
Ion Ratio	Lower	Upper	
105	100		
71	4.8	5.8	8.6#
51	41.6	30.2	45.2
120	23.0	18.2	27.4





#23

Nitrobenzene-d5

Concen: 150.551 ng

RT: 7.534 min Scan# 906

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

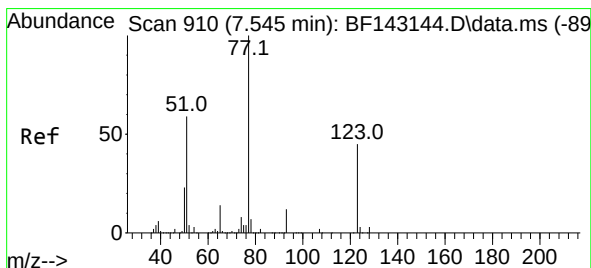
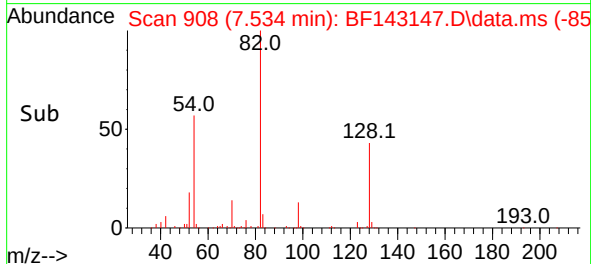
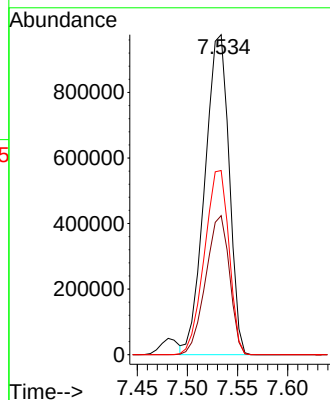
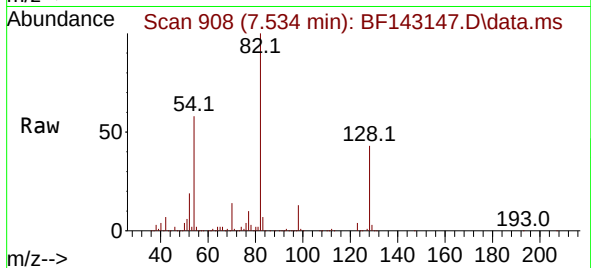
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1644581

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.6	50.4
54	57.5	47.1	70.7



#24

Nitrobenzene

Concen: 73.836 ng

RT: 7.551 min Scan# 911

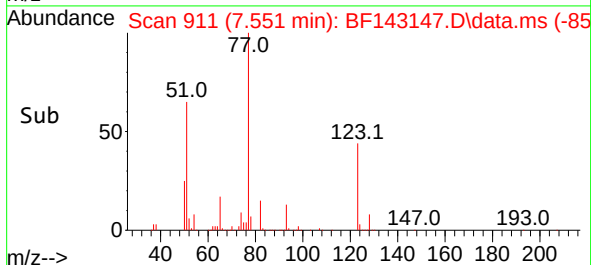
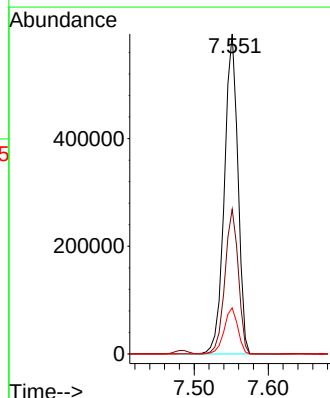
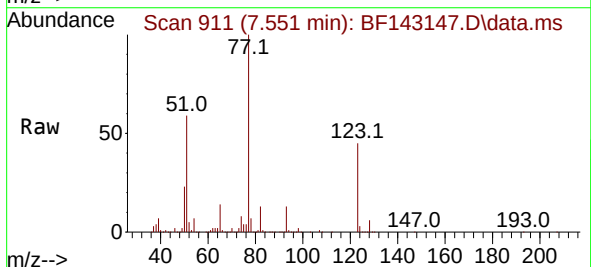
Delta R.T. 0.006 min

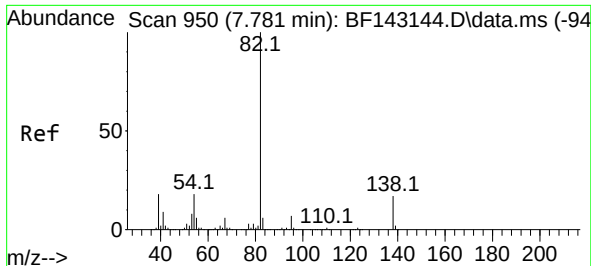
Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion: 77 Resp: 751964

Ion	Ratio	Lower	Upper
77	100		
123	45.2	36.1	54.1
65	14.4	11.4	17.2

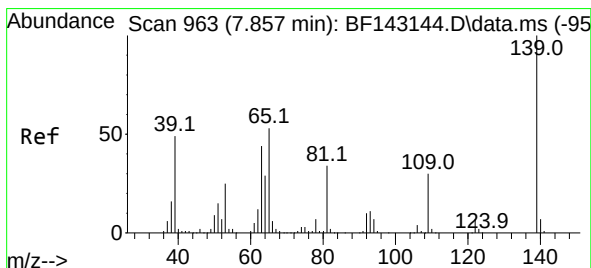
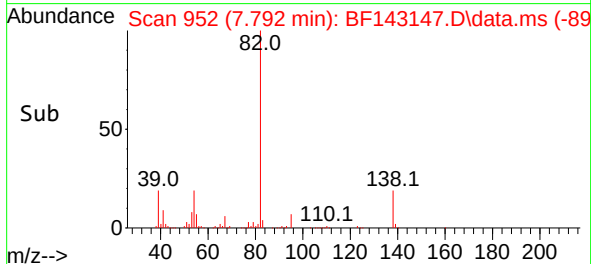
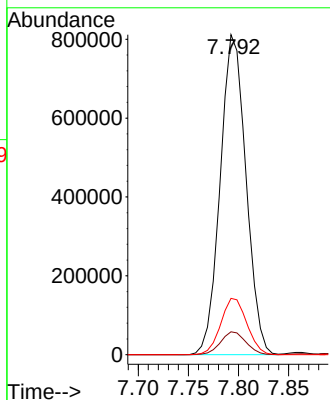
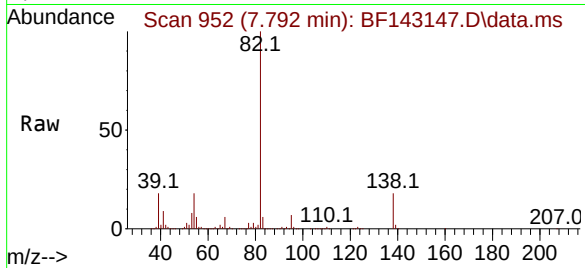




#25
Isophorone
Concen: 75.366 ng
RT: 7.792 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

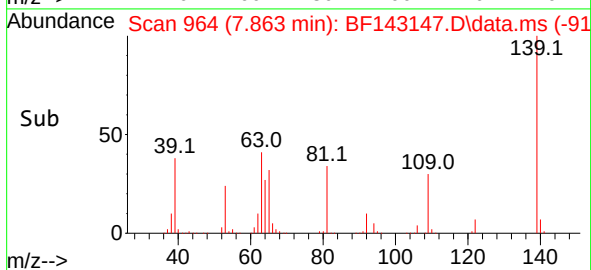
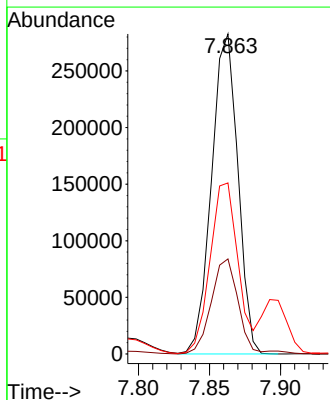
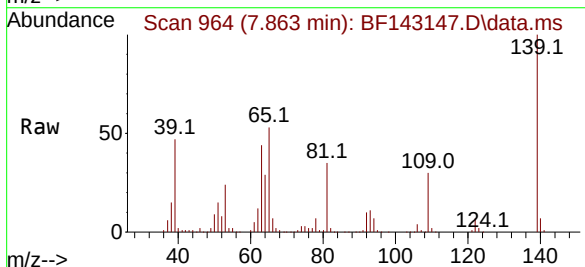
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

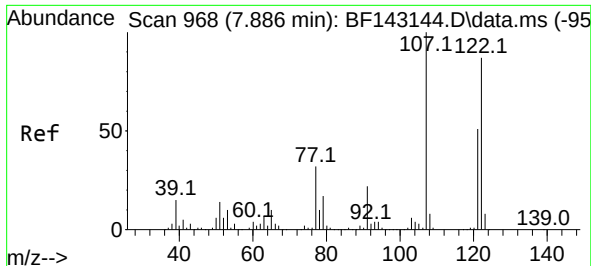
Tgt Ion: 82 Resp: 1453353
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 17.6 13.8 20.8



#26
2-Nitrophenol
Concen: 82.568 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:139 Resp: 364951
Ion Ratio Lower Upper
139 100
109 29.7 23.6 35.4
65 53.4 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 72.050 ng

RT: 7.898 min Scan# 91

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

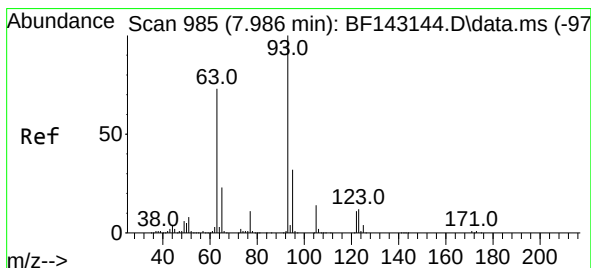
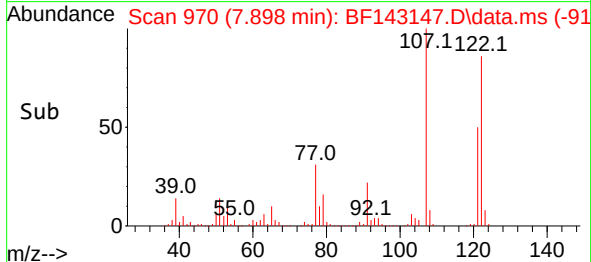
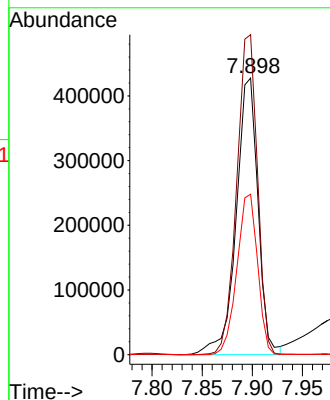
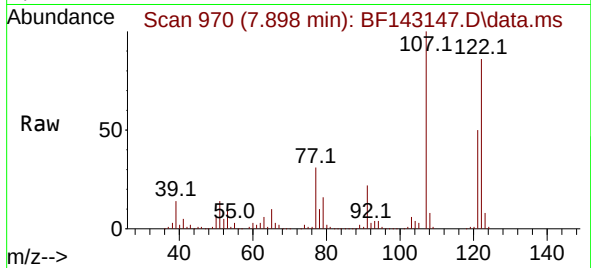
Tgt Ion:122 Resp: 649144

Ion Ratio Lower Upper

122 100

107 115.7 91.8 137.6

121 58.0 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 72.134 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

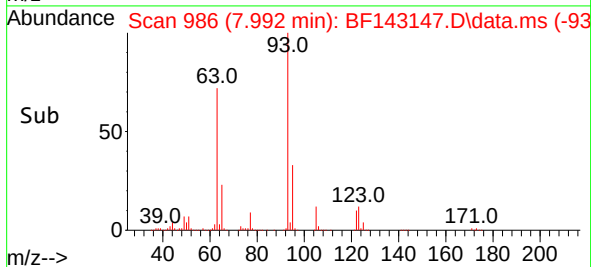
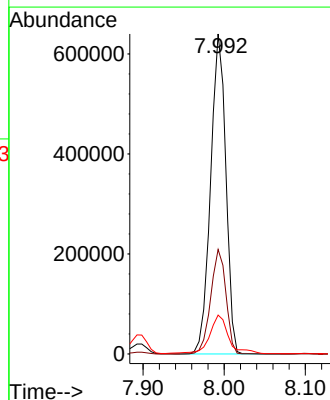
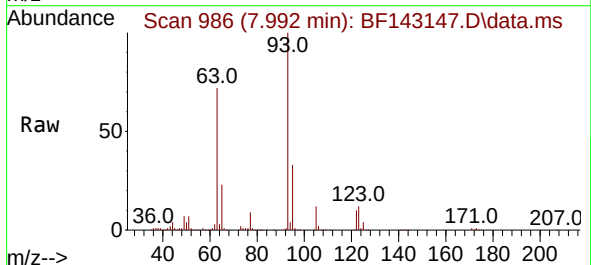
Tgt Ion: 93 Resp: 834021

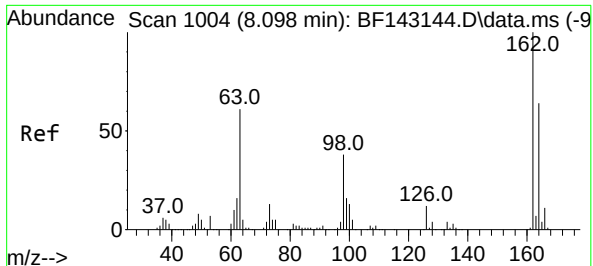
Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 73.527 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

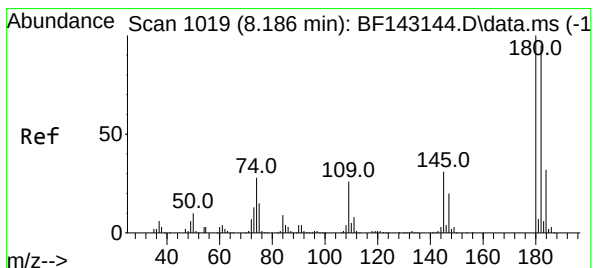
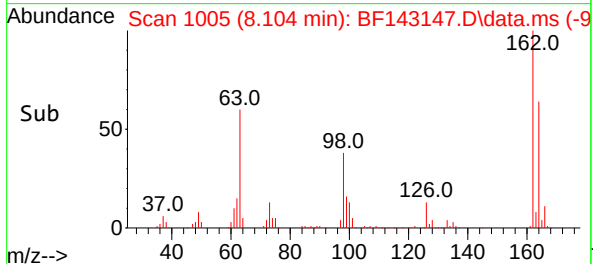
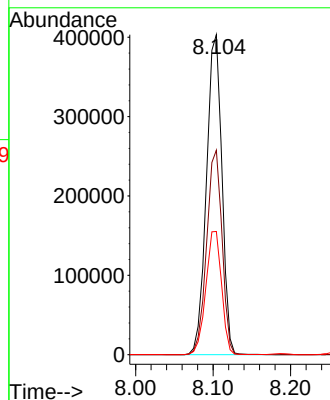
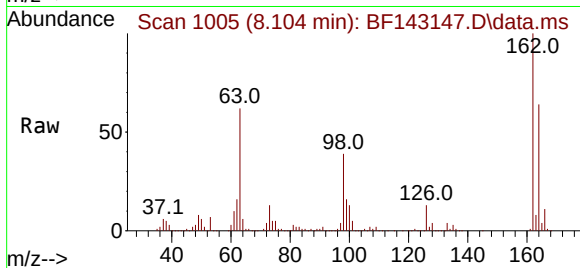
Tgt Ion:162 Resp: 558665

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

98 38.5 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 71.673 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

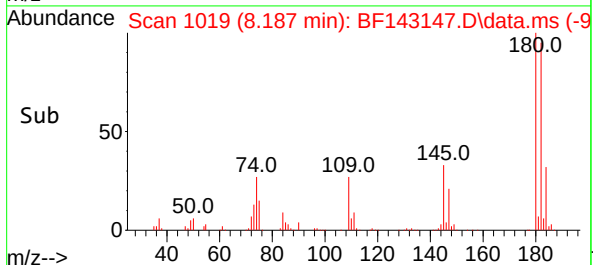
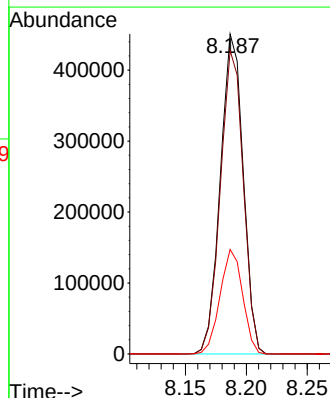
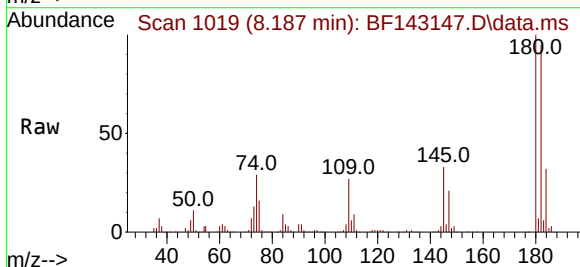
Tgt Ion:180 Resp: 588333

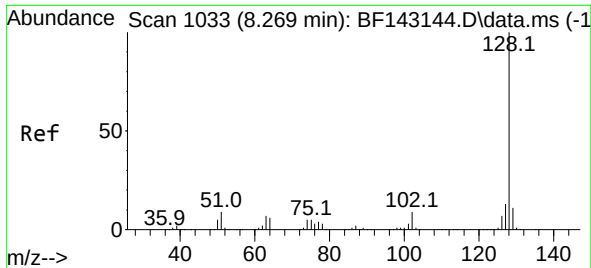
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.2

145 32.7 25.0 37.6

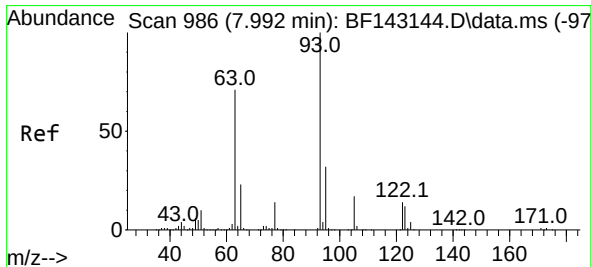
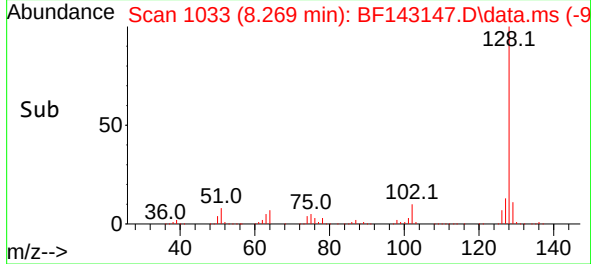
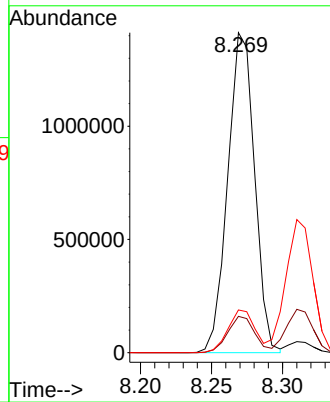
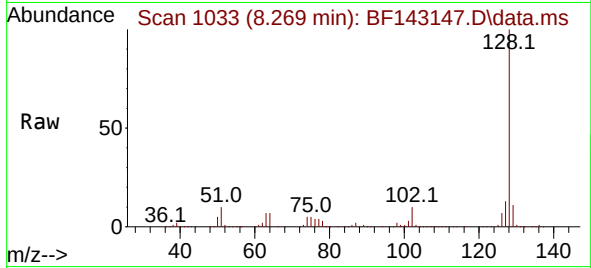




#31
Naphthalene
Concen: 69.150 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

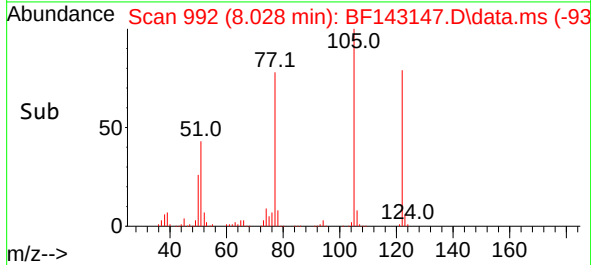
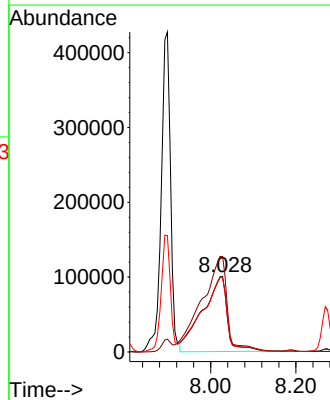
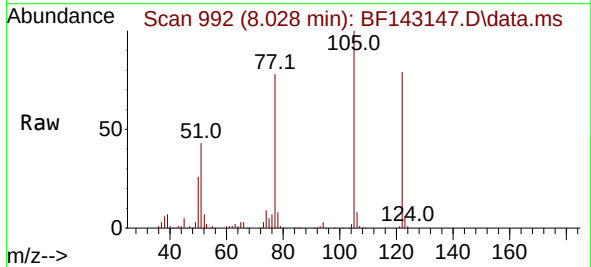
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

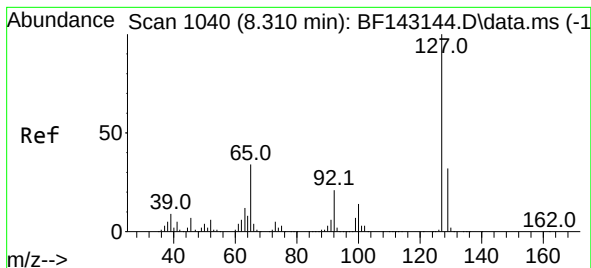
Tgt Ion:128 Resp: 1854387
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 77.395 ng
RT: 8.028 min Scan# 992
Delta R.T. 0.036 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:122 Resp: 409976
Ion Ratio Lower Upper
122 100
105 126.7 104.8 144.8
77 98.6 77.6 117.6





#33

4-Chloroaniline

Concen: 71.895 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:127 Resp: 787243

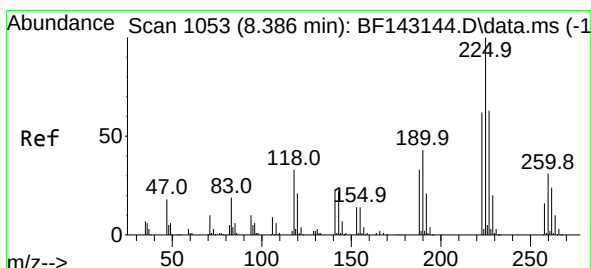
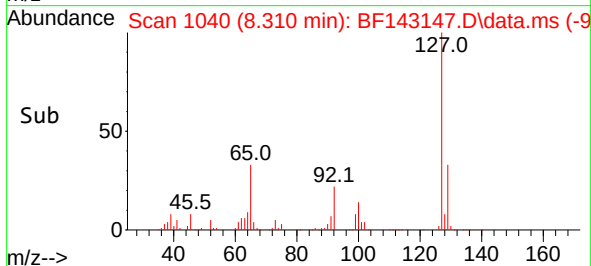
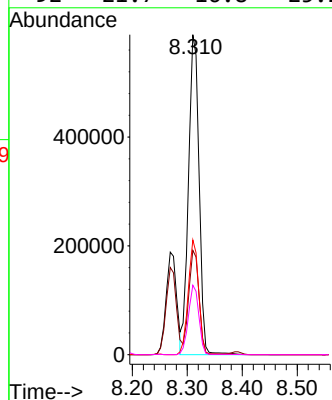
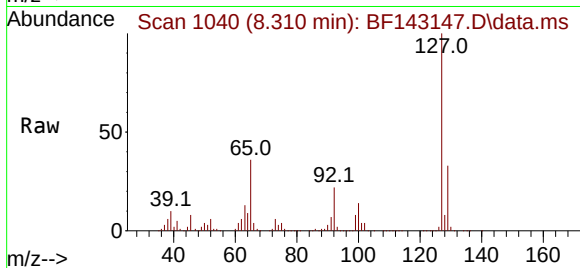
Ion Ratio Lower Upper

127 100

129 32.6 26.0 39.0

65 35.9 27.4 41.2

92 21.7 16.8 25.2



#34

Hexachlorobutadiene

Concen: 73.453 ng

RT: 8.392 min Scan# 1054

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

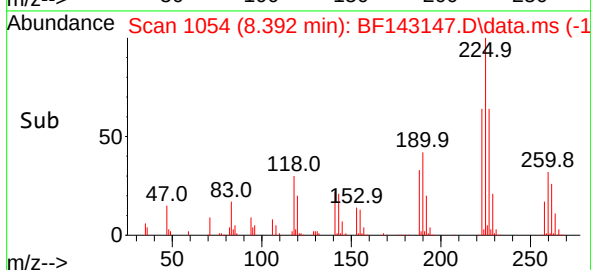
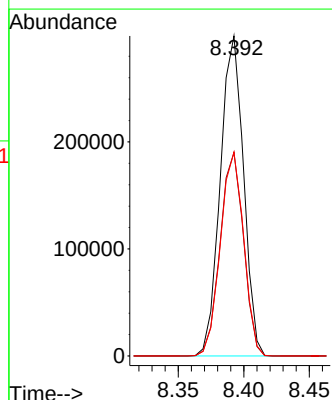
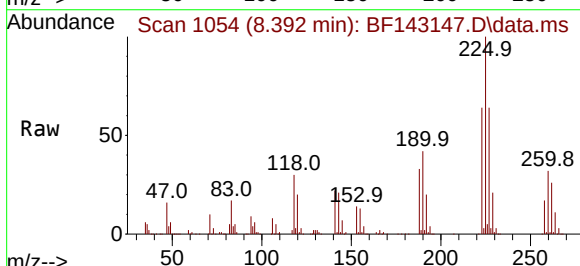
Tgt Ion:225 Resp: 368327

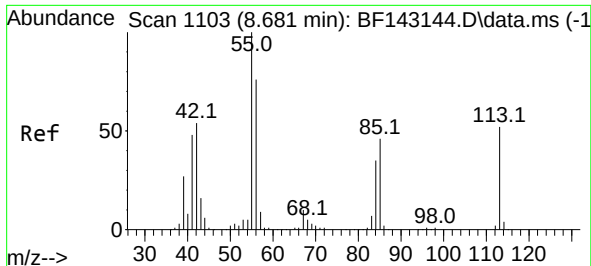
Ion Ratio Lower Upper

225 100

223 63.6 49.8 74.6

227 63.7 50.2 75.4

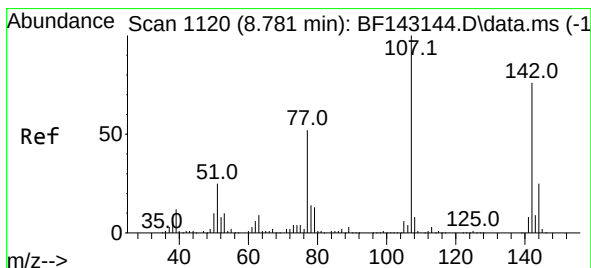
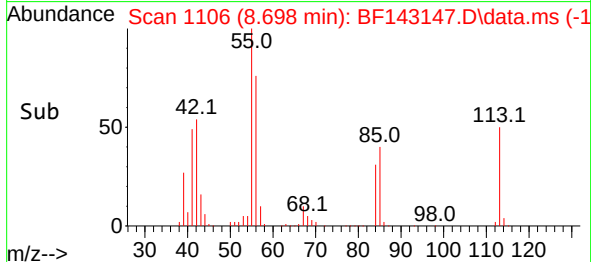
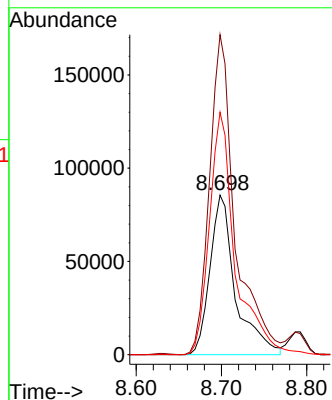
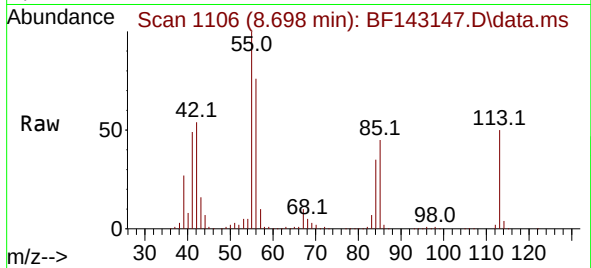




#35
Caprolactam
Concen: 77.644 ng
RT: 8.698 min Scan# 1106
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

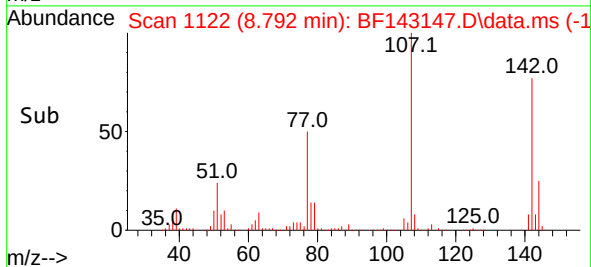
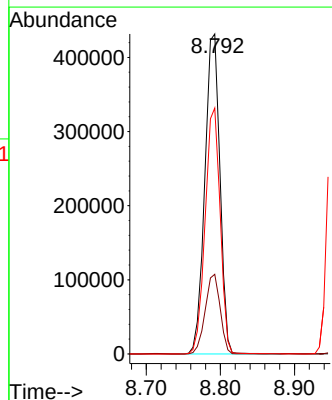
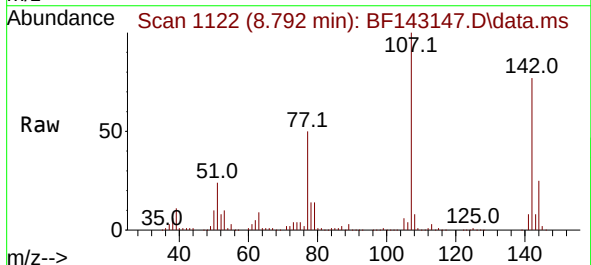
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

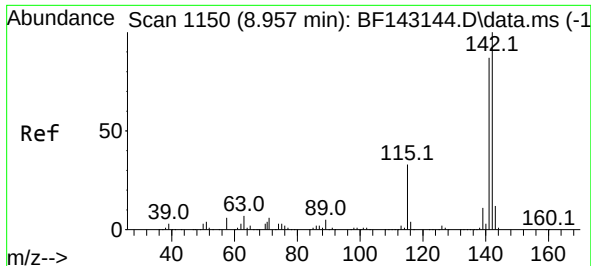
Tgt Ion:113 Resp: 178271
Ion Ratio Lower Upper
113 100
55 200.6 174.0 214.0
56 152.0 126.6 166.6



#36
4-Chloro-3-methylphenol
Concen: 74.354 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:107 Resp: 614048
Ion Ratio Lower Upper
107 100
144 24.9 19.8 29.6
142 76.9 60.6 90.8

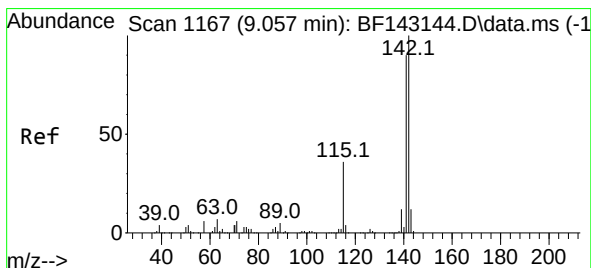
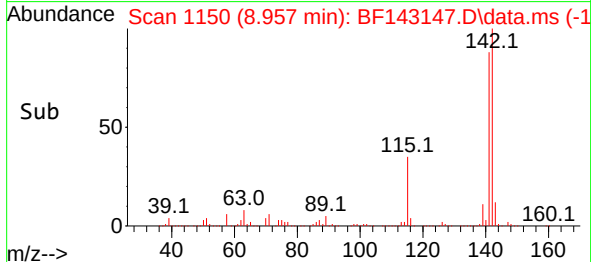
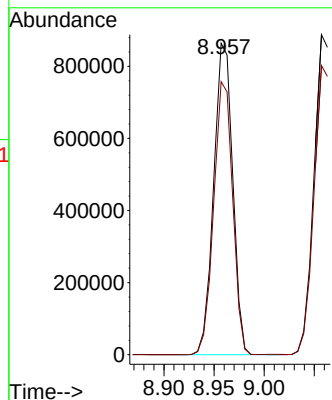
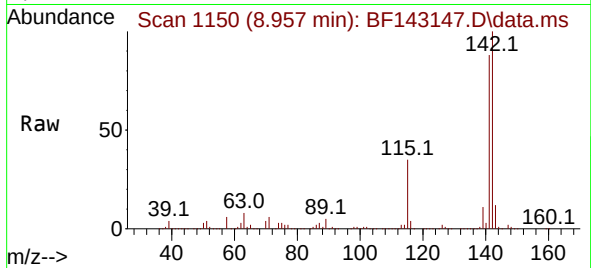




#37
2-Methylnaphthalene
Concen: 69.687 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

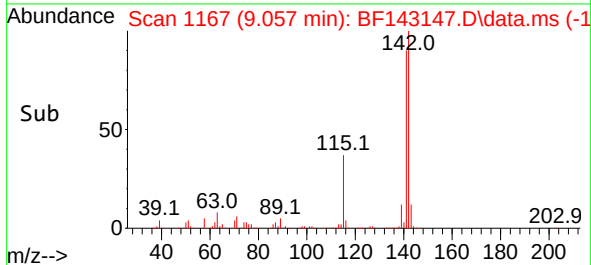
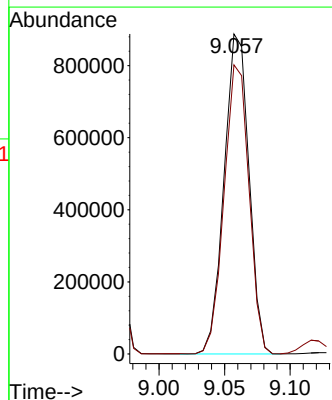
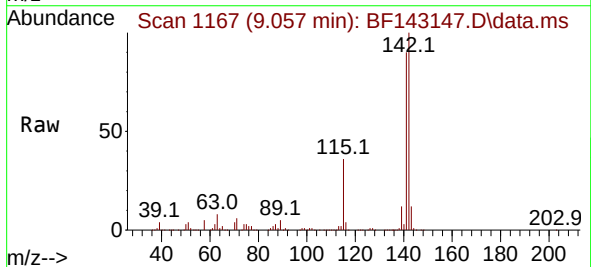
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

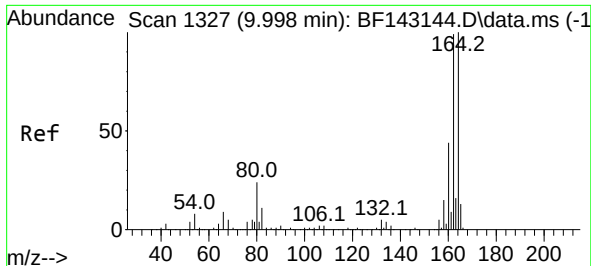
Tgt Ion:142 Resp: 1137176
Ion Ratio Lower Upper
142 100
141 87.7 69.9 104.9



#38
1-Methylnaphthalene
Concen: 69.550 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:142 Resp: 1168702
Ion Ratio Lower Upper
142 100
141 90.4 72.3 108.5

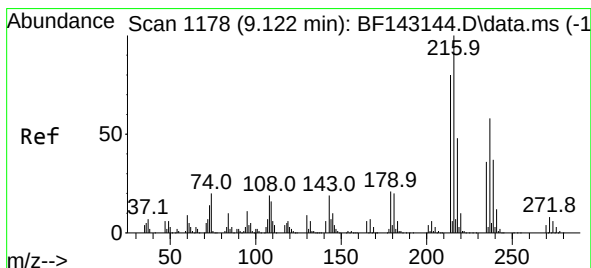
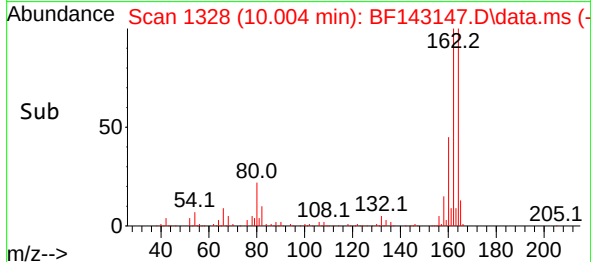
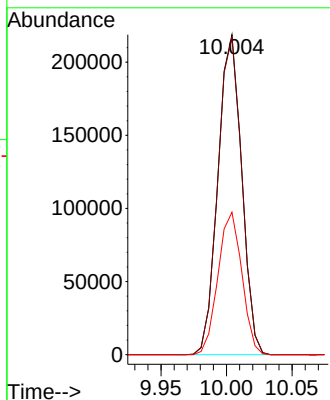
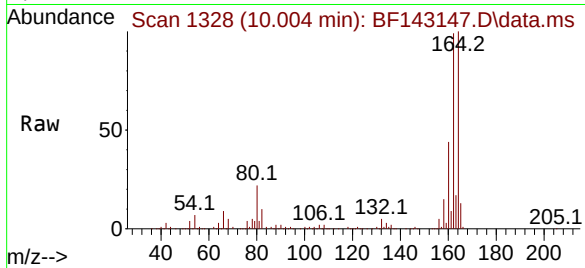




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

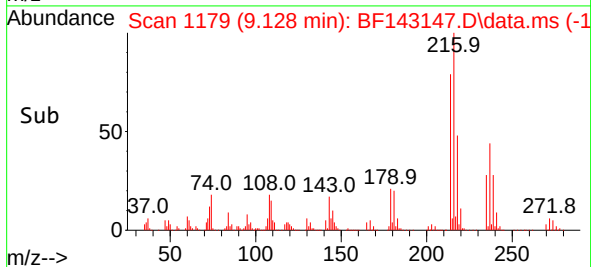
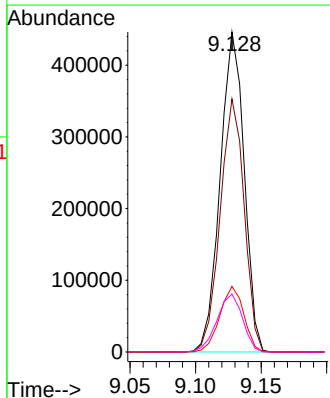
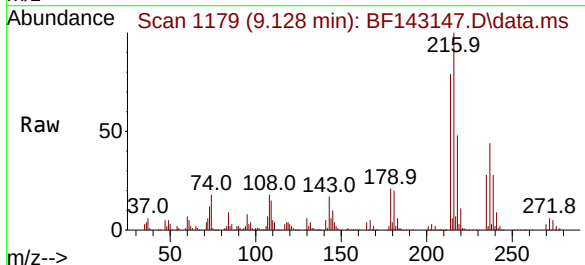
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

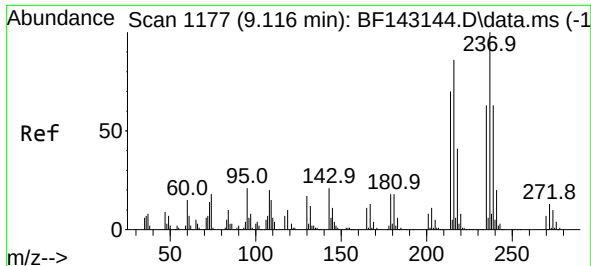
Tgt Ion:164 Resp: 275619
Ion Ratio Lower Upper
164 100
162 99.2 79.0 118.6
160 44.5 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.389 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:216 Resp: 568070
Ion Ratio Lower Upper
216 100
214 78.9 63.8 95.8
179 20.4 16.4 24.6
108 19.3 15.6 23.4

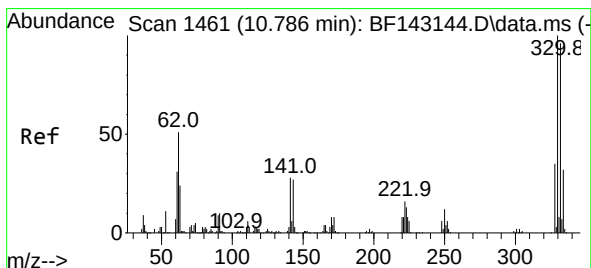
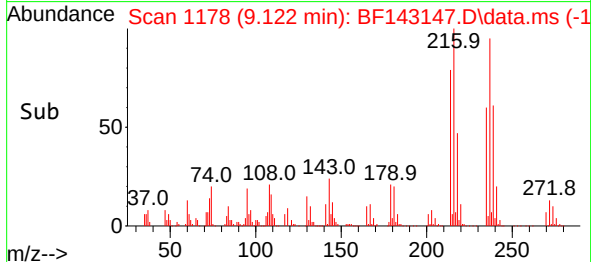
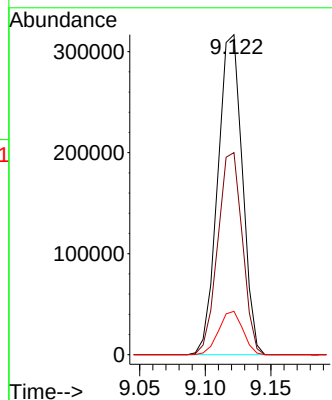
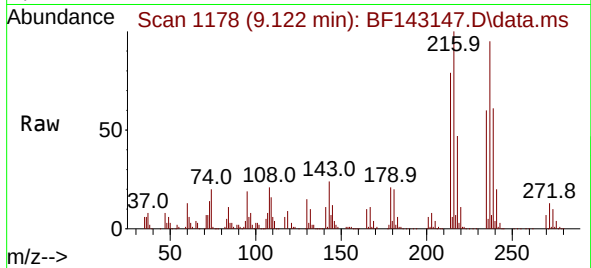




#41
Hexachlorocyclopentadiene
Concen: 79.719 ng
RT: 9.122 min Scan# 1177
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

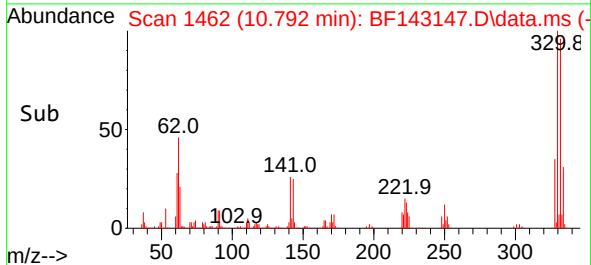
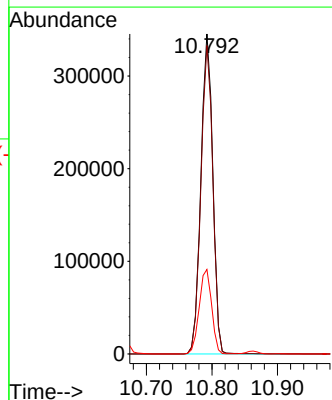
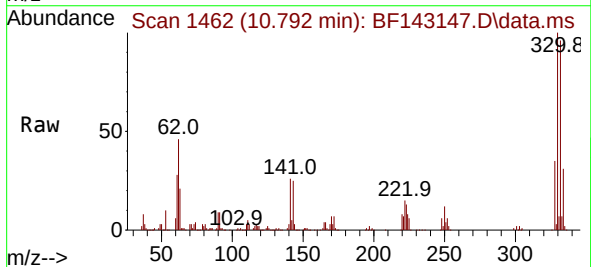
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

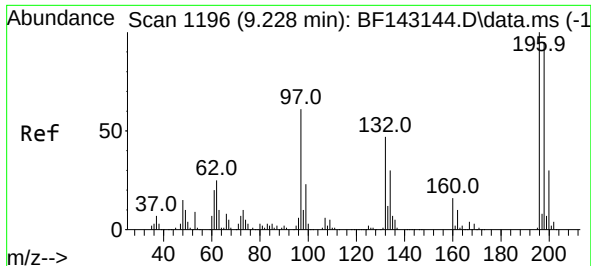
Tgt Ion:237 Resp: 412756
Ion Ratio Lower Upper
237 100
235 63.2 43.0 83.0
272 13.6 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 153.498 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:330 Resp: 437054
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 27.7 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 74.838 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

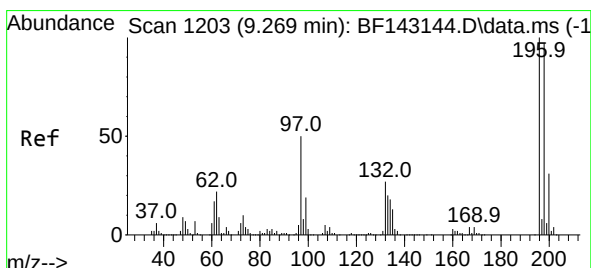
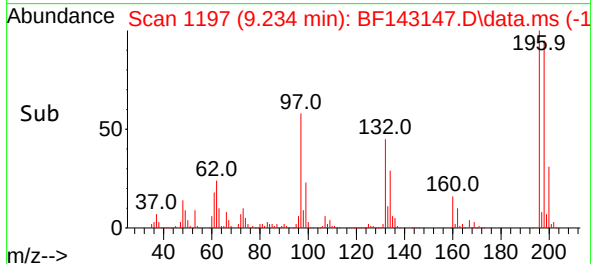
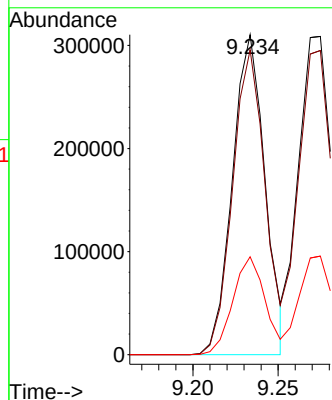
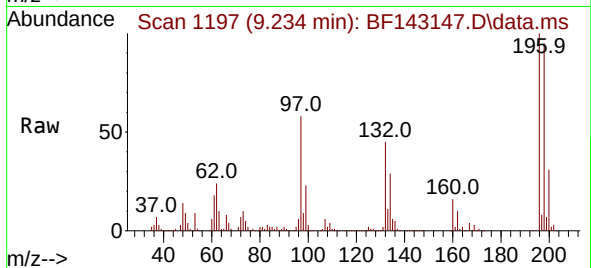
Tgt Ion:196 Resp: 412148

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.6 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 76.888 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion:196 Resp: 423565

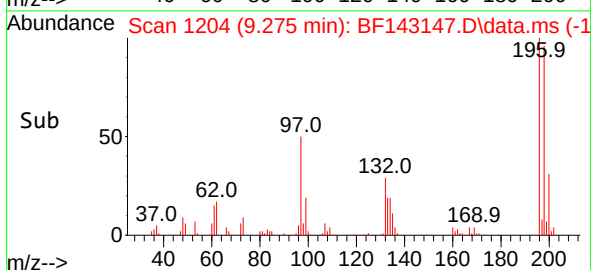
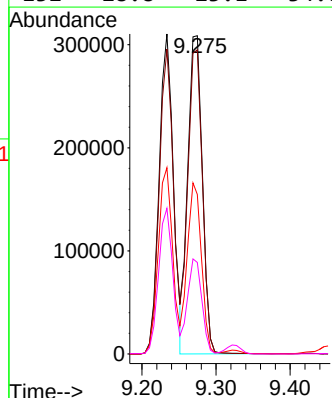
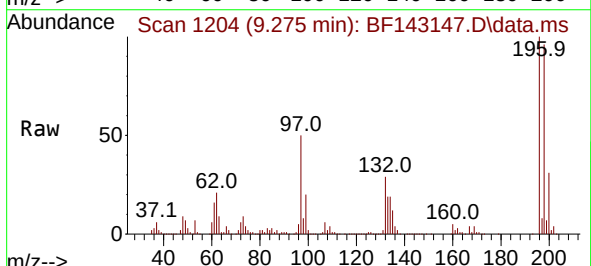
Ion Ratio Lower Upper

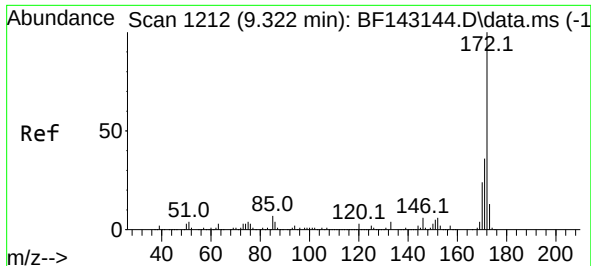
196 100

198 95.6 77.3 115.9

97 50.1 40.3 60.5

132 28.8 23.1 34.7

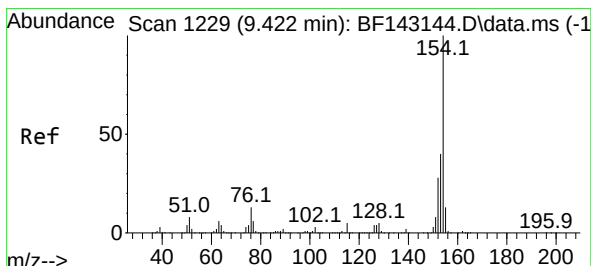
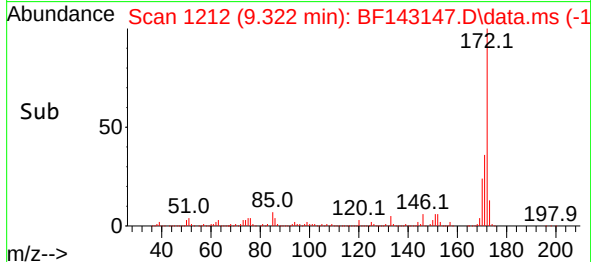
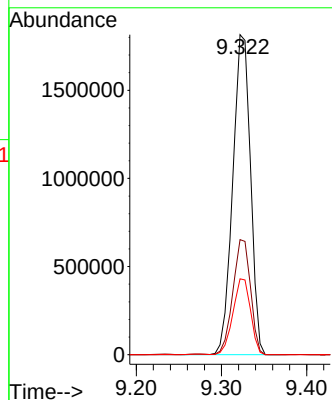
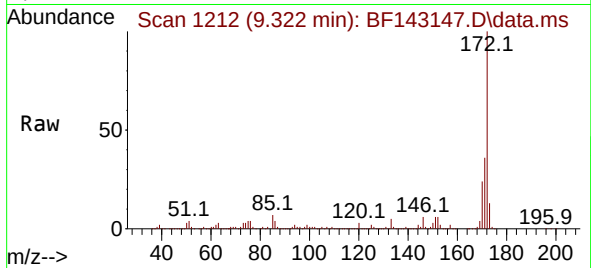




#45
2-Fluorobiphenyl
Concen: 130.157 ng
RT: 9.322 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

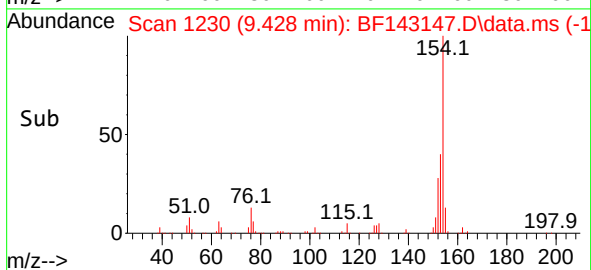
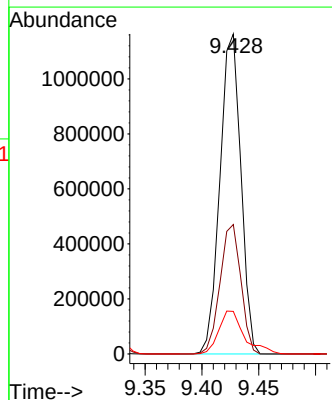
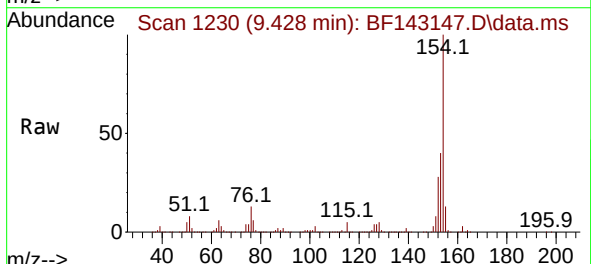
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

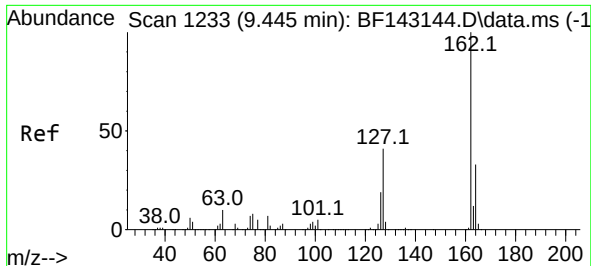
Tgt Ion:172 Resp: 2623071
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 23.7 18.8 28.2



#46
1,1'-Biphenyl
Concen: 69.388 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:154 Resp: 1492094
Ion Ratio Lower Upper
154 100
153 40.5 20.3 60.3
76 13.3 0.0 33.3

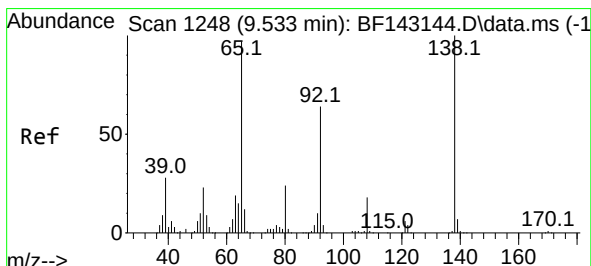
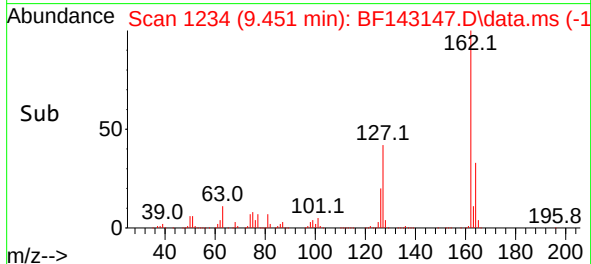
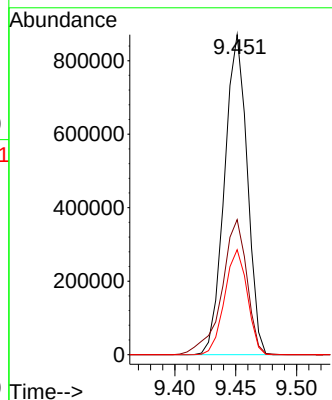
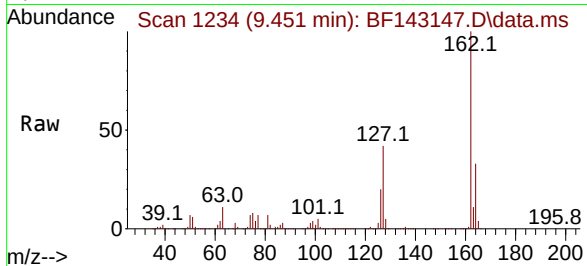




#47
2-Chloronaphthalene
Concen: 71.122 ng
RT: 9.451 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

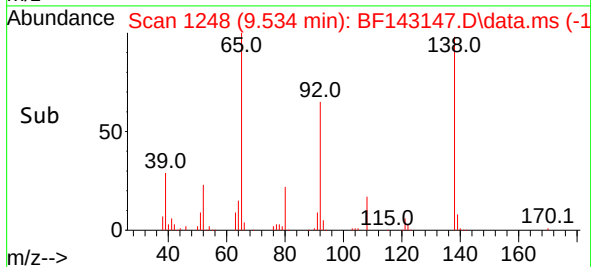
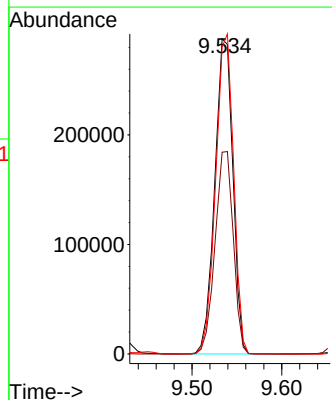
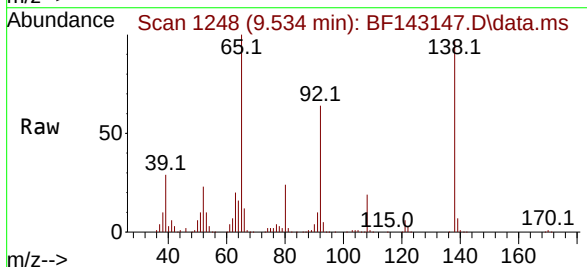
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

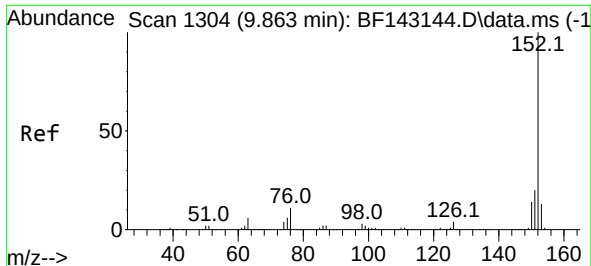
Tgt Ion:162 Resp: 1131626
Ion Ratio Lower Upper
162 100
127 42.2 33.4 50.2
164 32.8 26.2 39.2



#48
2-Nitroaniline
Concen: 80.971 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 65 Resp: 404023
Ion Ratio Lower Upper
65 100
92 64.0 52.4 78.6
138 97.3 82.3 123.5





#49

Acenaphthylene

Concen: 70.057 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

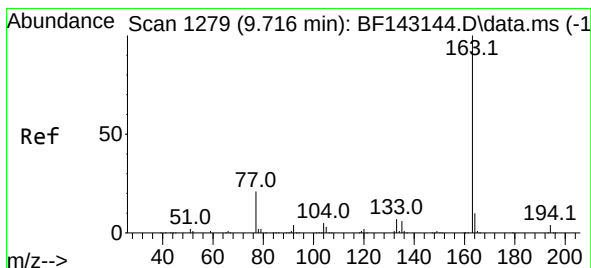
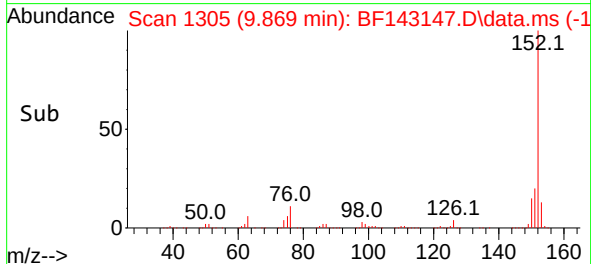
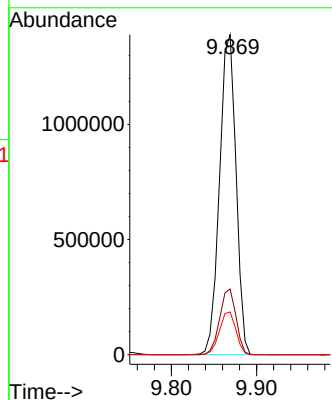
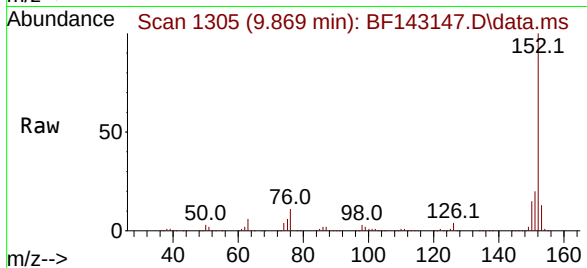
Tgt Ion:152 Resp: 1868062

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

153 13.4 10.6 16.0



#50

Dimethylphthalate

Concen: 71.723 ng

RT: 9.728 min Scan# 1281

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

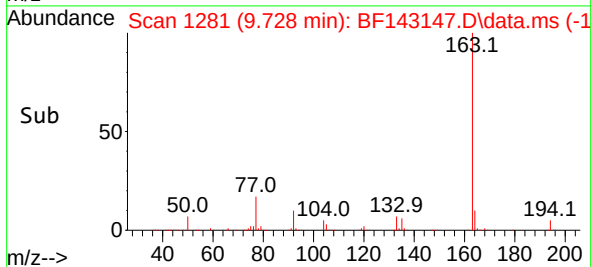
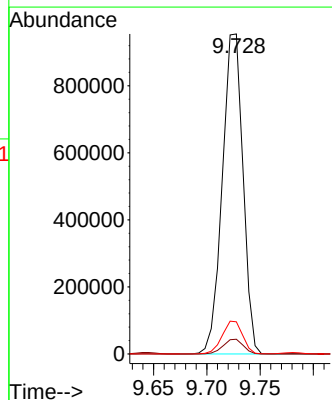
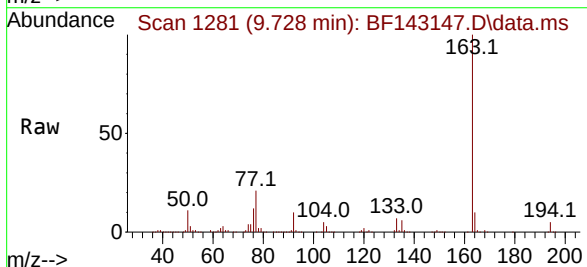
Tgt Ion:163 Resp: 1288559

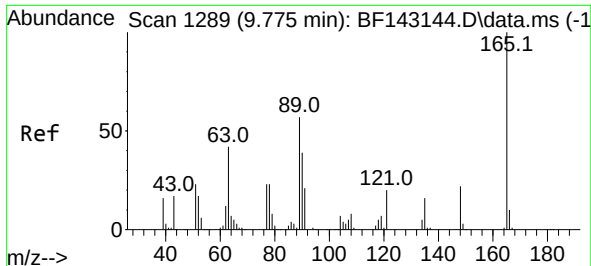
Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

164 10.0 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 80.093 ng

RT: 9.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

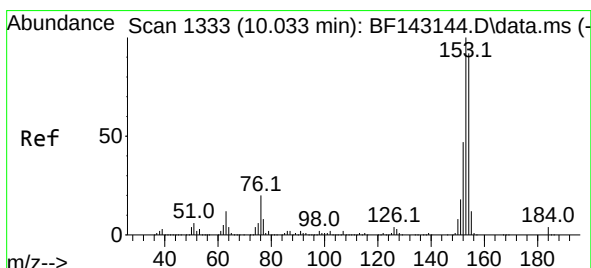
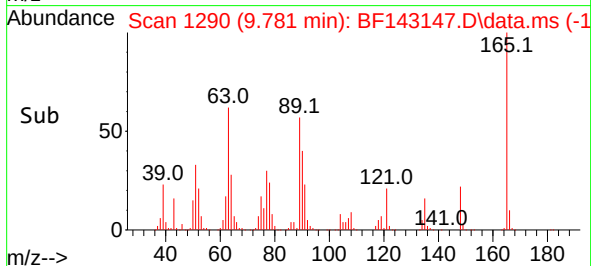
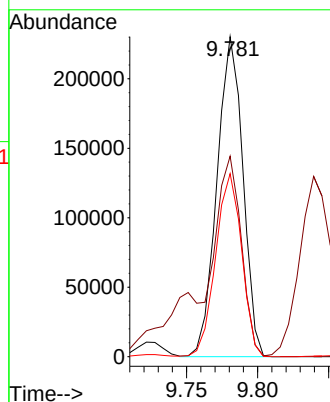
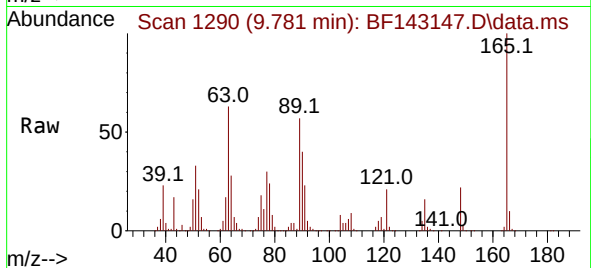
Tgt Ion:165 Resp: 292718

Ion Ratio Lower Upper

165 100

63 62.6 49.4 74.2

89 57.2 46.2 69.2



#52

Acenaphthene

Concen: 71.086 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

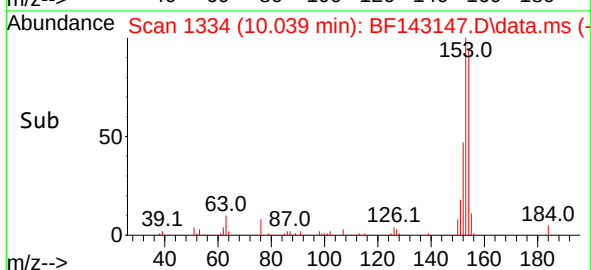
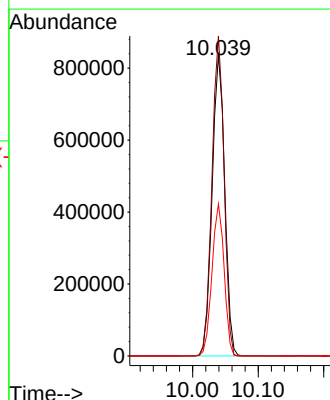
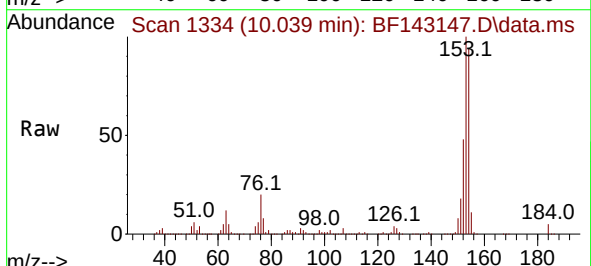
Tgt Ion:154 Resp: 1120315

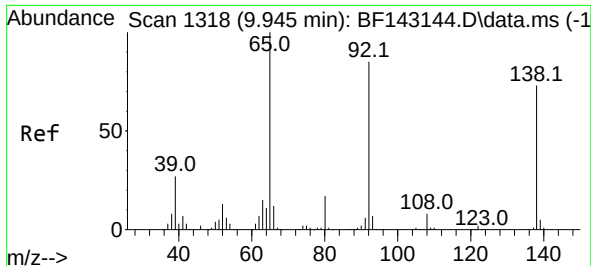
Ion Ratio Lower Upper

154 100

153 106.1 86.6 129.8

152 50.4 40.4 60.6

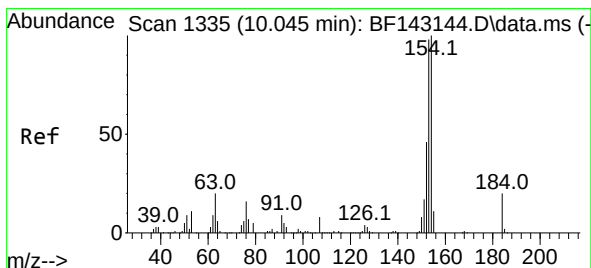
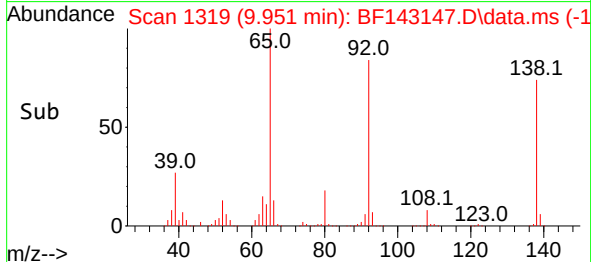
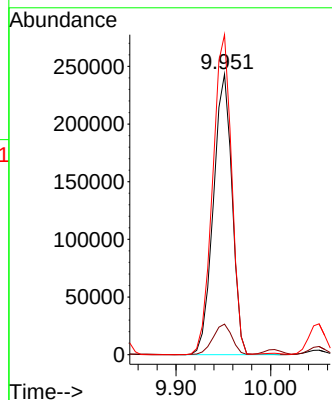
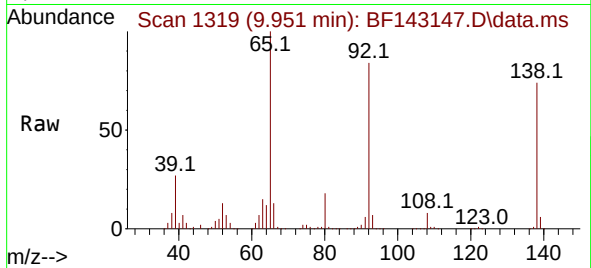




#53
3-Nitroaniline
Concen: 78.128 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

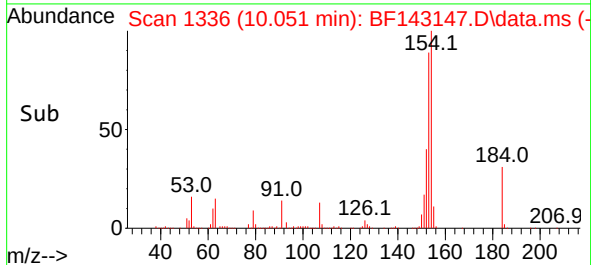
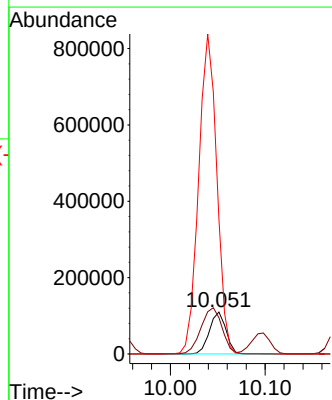
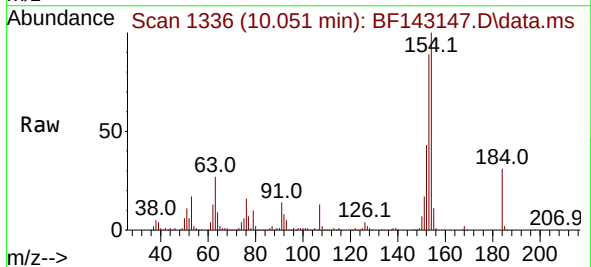
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

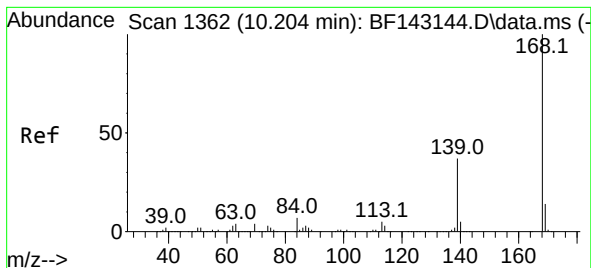
Tgt Ion:138 Resp: 333980
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.6
92 114.1 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 80.516 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:184 Resp: 133446
Ion Ratio Lower Upper
184 100
63 86.6 81.8 122.6
154 321.6 412.2 618.4#





#55

Dibenzofuran

Concen: 69.038 ng

RT: 10.210 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

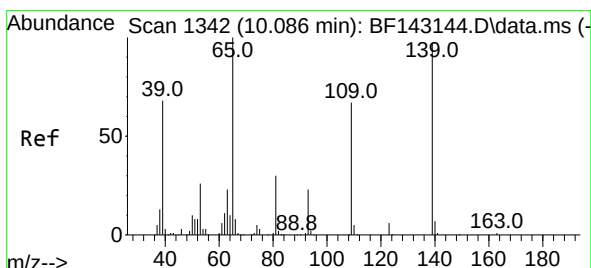
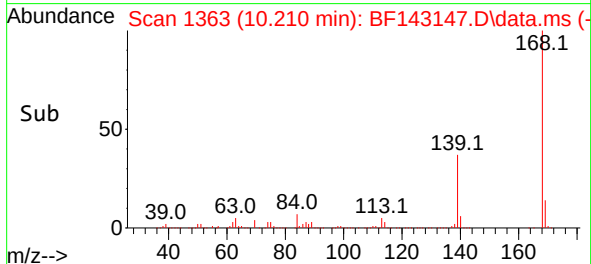
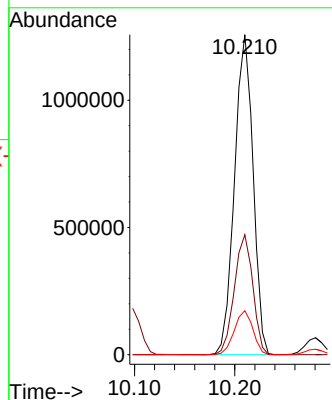
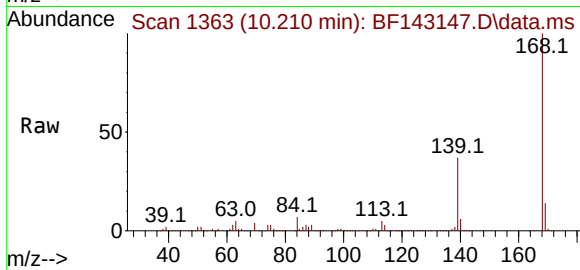
Tgt Ion:168 Resp: 1615399

Ion Ratio Lower Upper

168 100

139 37.5 29.5 44.3

169 13.8 10.9 16.3



#56

4-Nitrophenol

Concen: 79.161 ng

RT: 10.098 min Scan# 1344

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

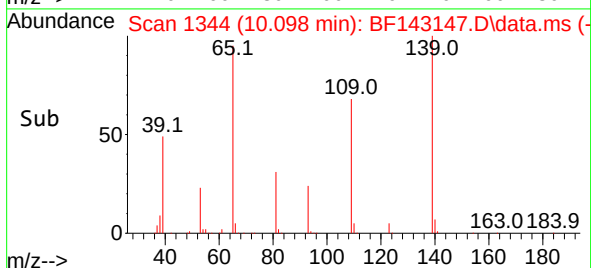
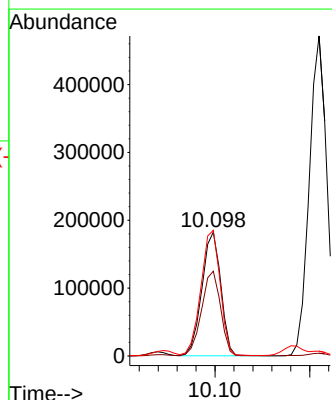
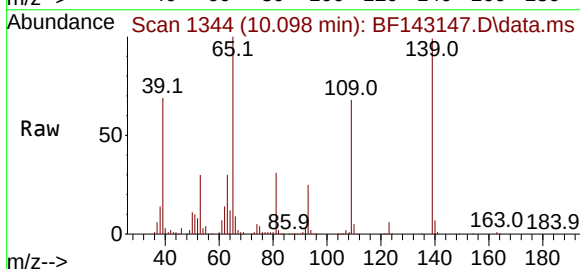
Tgt Ion:139 Resp: 252698

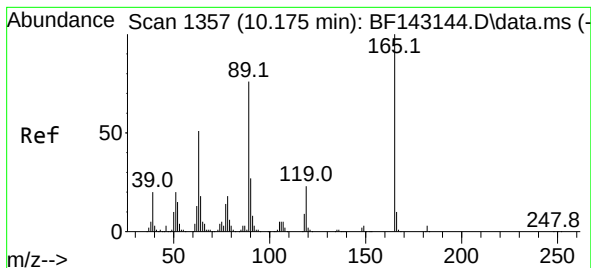
Ion Ratio Lower Upper

139 100

109 68.4 48.5 88.5

65 101.3 83.4 123.4

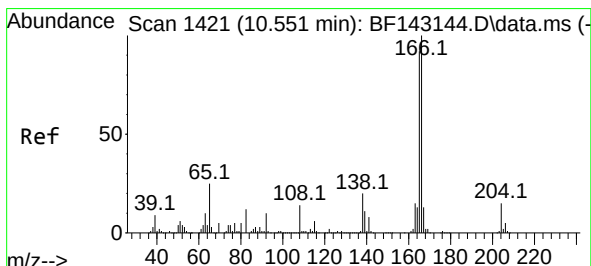
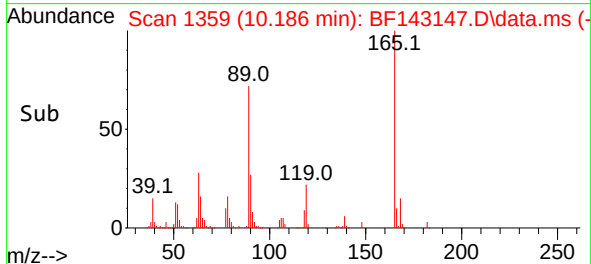
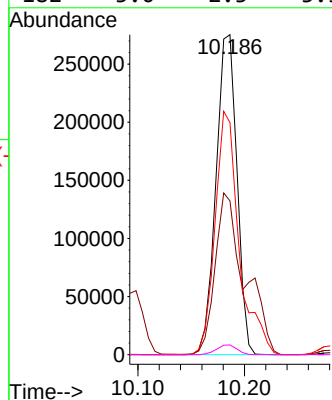
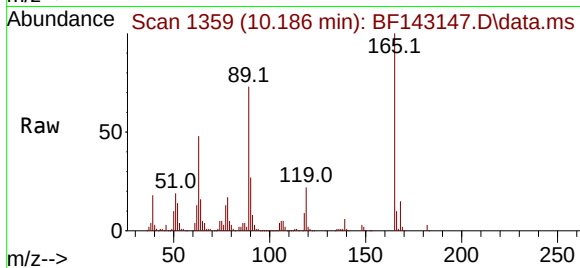




#57
2,4-Dinitrotoluene
Concen: 82.029 ng
RT: 10.186 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

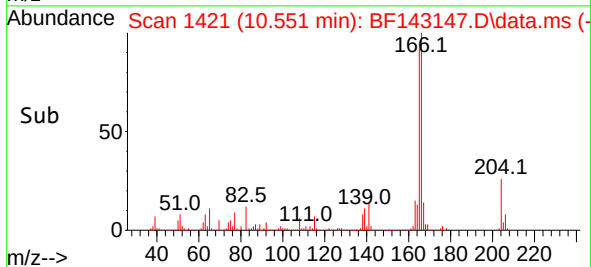
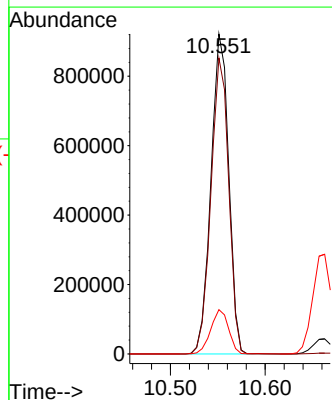
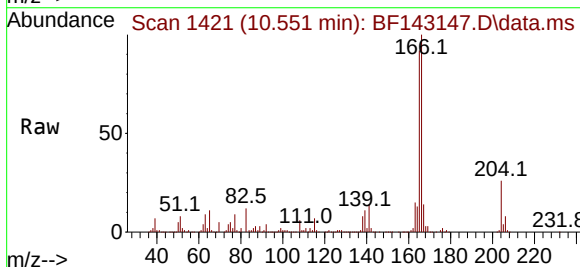
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

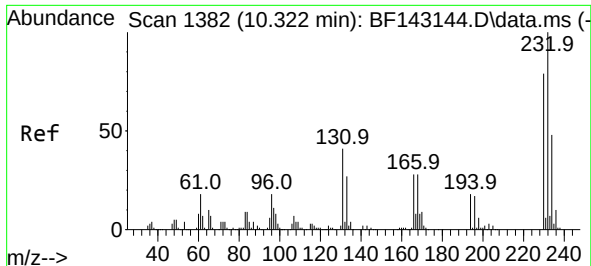
Tgt Ion:165 Resp: 376124
Ion Ratio Lower Upper
165 100
63 48.1 41.0 61.4
89 72.5 61.1 91.7
182 3.0 2.3 3.5



#58
Fluorene
Concen: 68.203 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:166 Resp: 1197731
Ion Ratio Lower Upper
166 100
165 92.5 73.7 110.5
167 13.8 10.6 16.0

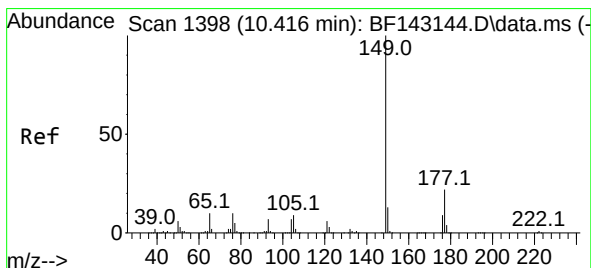
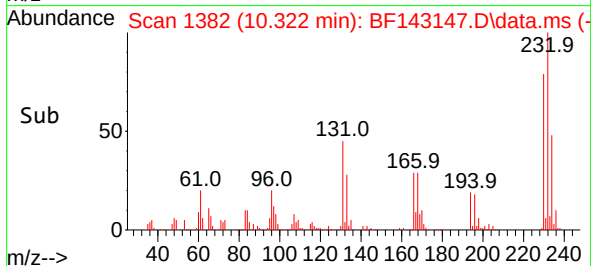
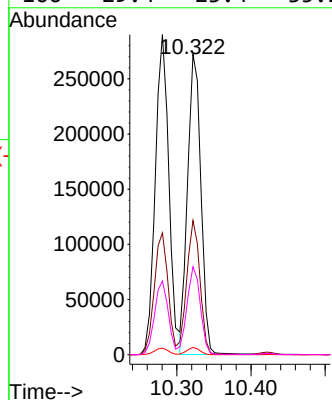
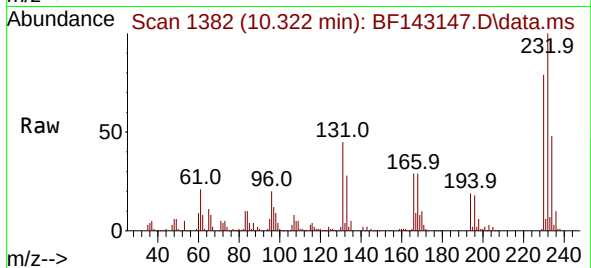




#59
2,3,4,6-Tetrachlorophenol
Concen: 74.533 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

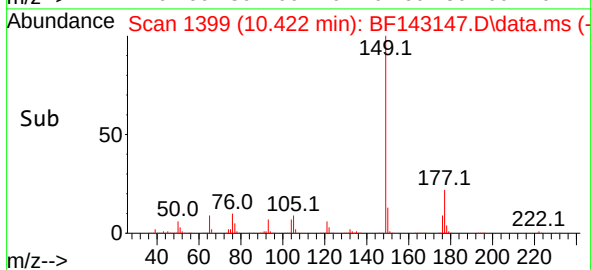
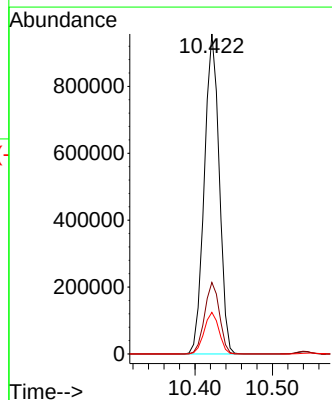
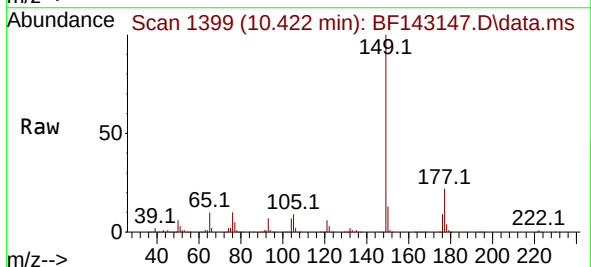
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

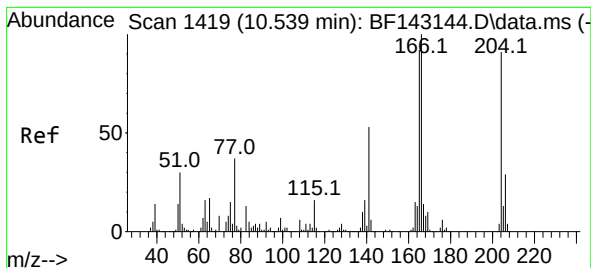
Tgt Ion:232 Resp: 340118
Ion Ratio Lower Upper
232 100
131 44.5 35.3 52.9
130 2.4 1.7 2.5
166 29.4 23.4 35.2



#60
Diethylphthalate
Concen: 71.870 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 1276217
Ion Ratio Lower Upper
149 100
177 22.4 17.5 26.3
150 13.0 10.2 15.2

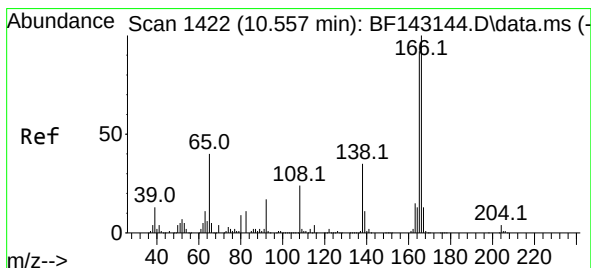
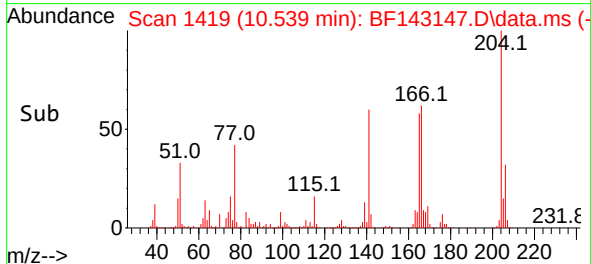
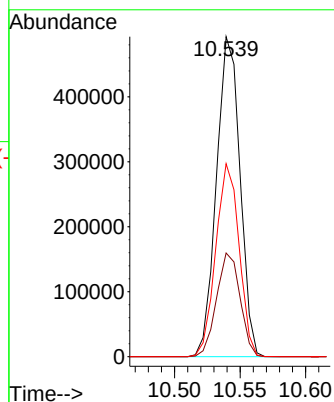
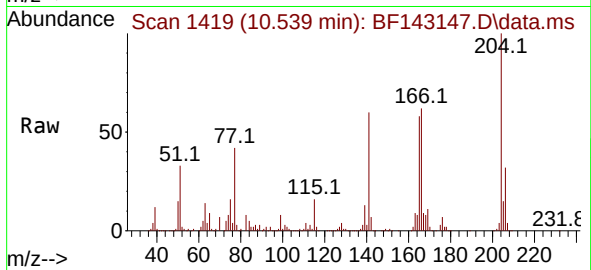




#61
4-Chlorophenyl-phenylether
Concen: 70.326 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

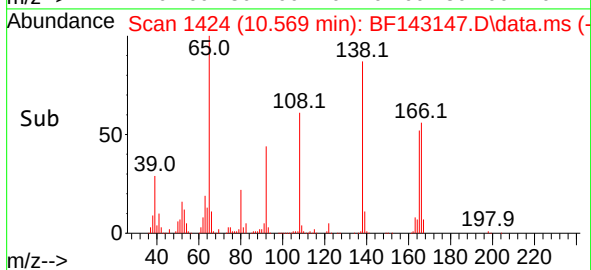
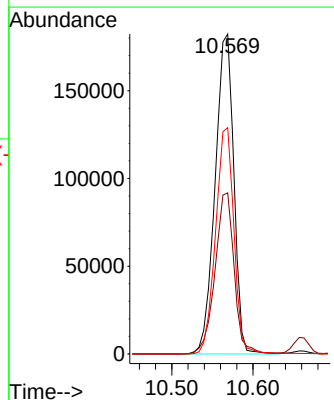
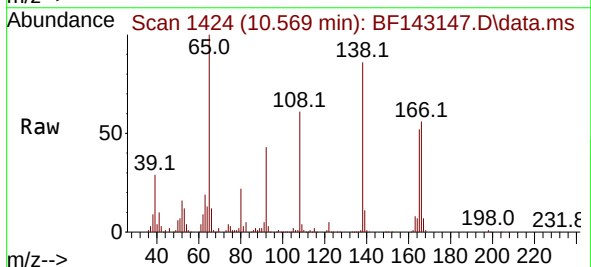
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

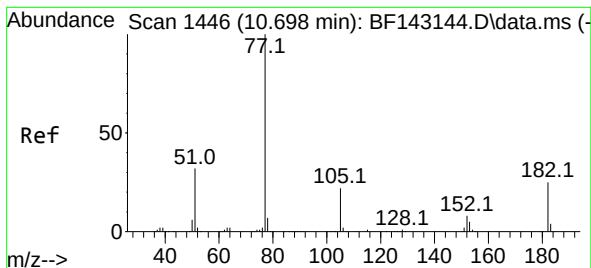
Tgt Ion:204 Resp: 614962
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 60.3 47.0 70.4



#62
4-Nitroaniline
Concen: 79.680 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:138 Resp: 291926
Ion Ratio Lower Upper
138 100
92 50.4 29.3 69.3
108 70.7 48.3 88.3





#63

Azobenzene

Concen: 71.255 ng

RT: 10.704 min Scan# 1447

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 77 Resp: 1318720

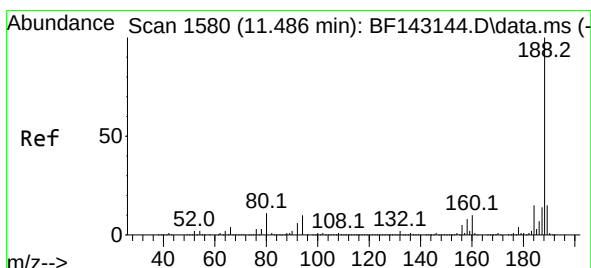
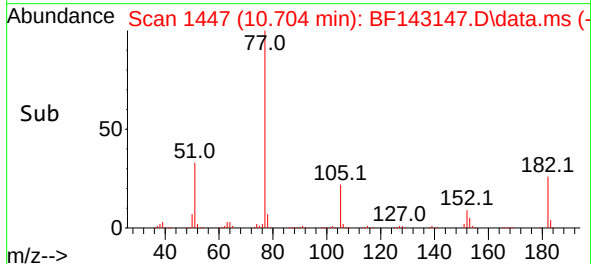
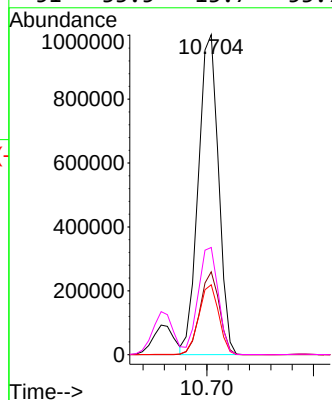
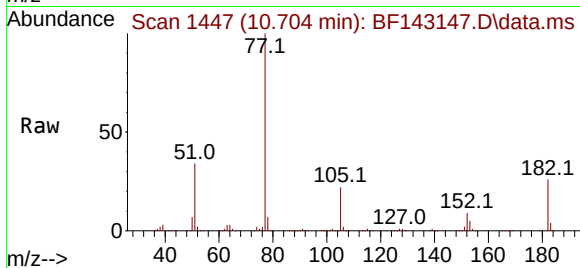
Ion Ratio Lower Upper

77 100

182 25.9 4.6 44.6

105 21.9 1.4 41.4

51 33.5 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

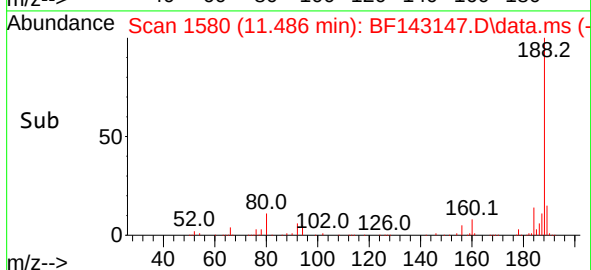
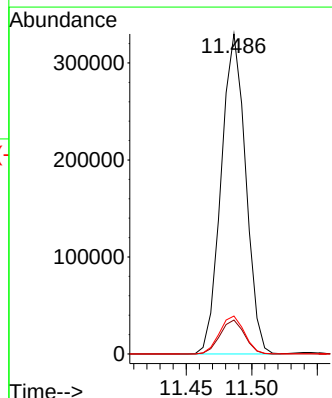
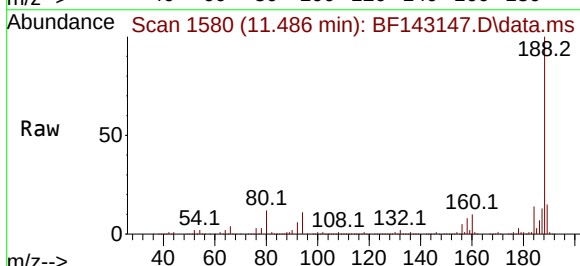
Tgt Ion:188 Resp: 429046

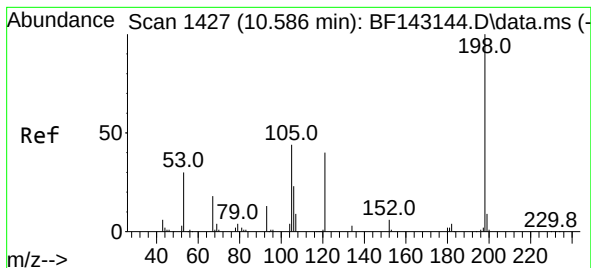
Ion Ratio Lower Upper

188 100

94 10.6 8.3 12.5

80 11.8 9.0 13.6

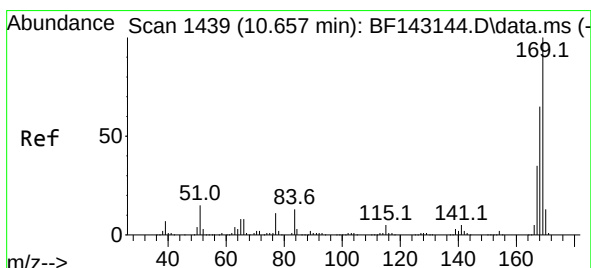
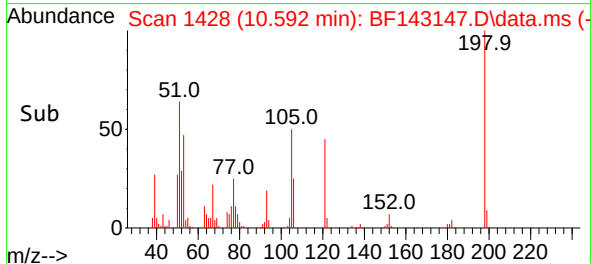
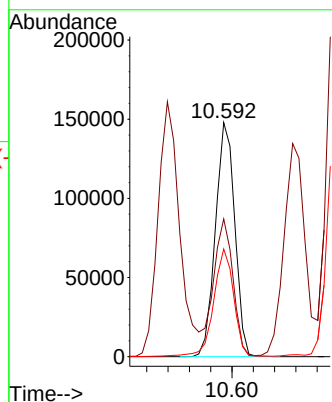
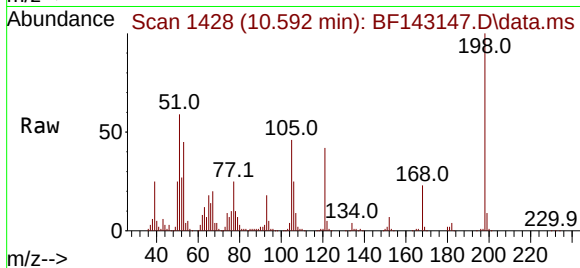




#65
4,6-Dinitro-2-methylphenol
Concen: 78.948 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

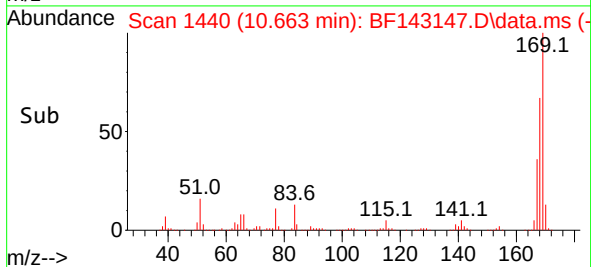
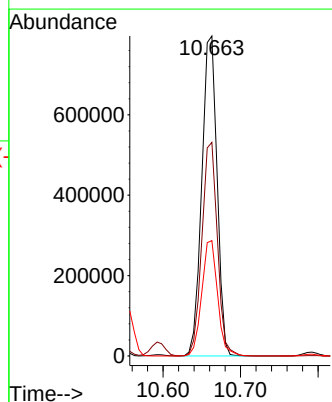
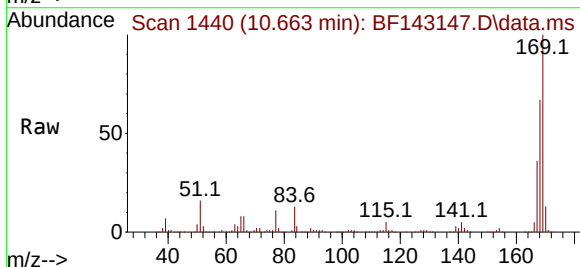
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

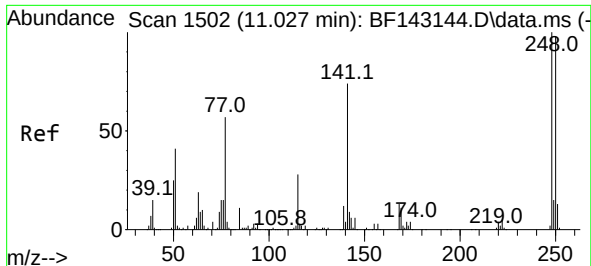
Tgt Ion:198 Resp: 186415
Ion Ratio Lower Upper
198 100
51 58.9 37.2 77.2
105 46.0 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 72.014 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:169 Resp: 1087990
Ion Ratio Lower Upper
169 100
168 66.8 52.1 78.1
167 36.1 28.2 42.2

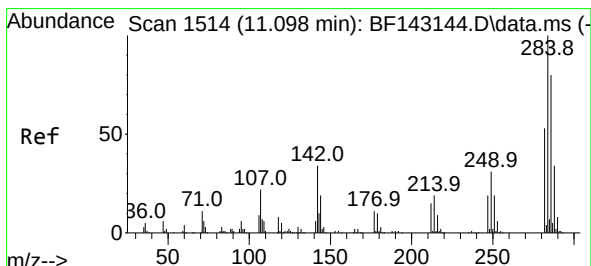
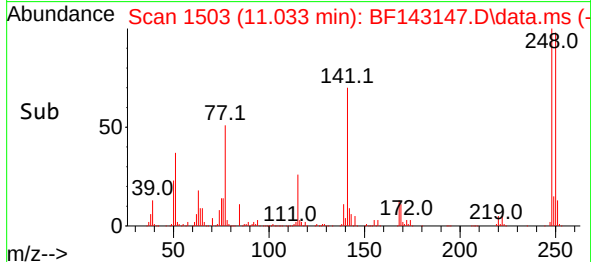
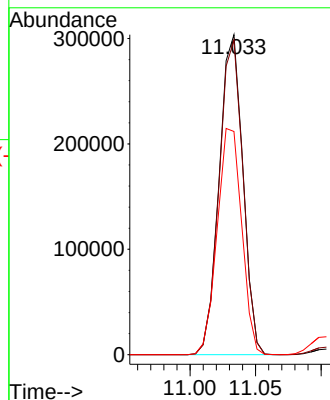
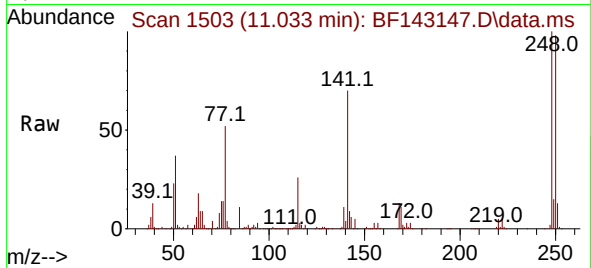




#67
4-Bromophenyl-phenylether
Concen: 74.734 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

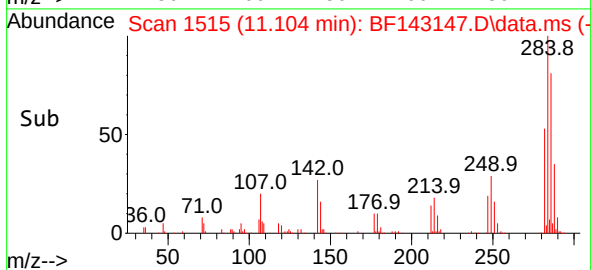
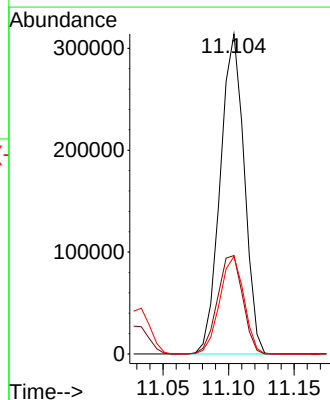
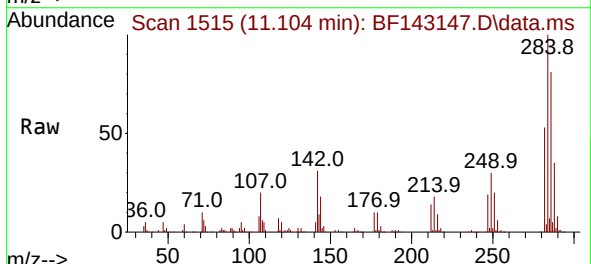
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

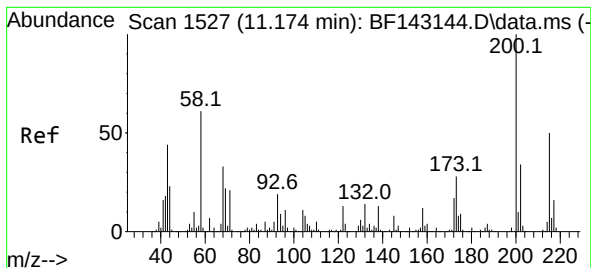
Tgt Ion:248 Resp: 382122
Ion Ratio Lower Upper
248 100
250 98.3 78.3 117.5
141 69.8 59.2 88.8



#68
Hexachlorobenzene
Concen: 74.680 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:284 Resp: 399107
Ion Ratio Lower Upper
284 100
142 30.7 27.0 40.6
249 30.5 25.0 37.6





#69

Atrazine

Concen: 77.819 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

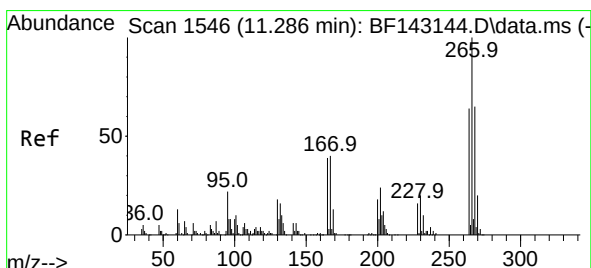
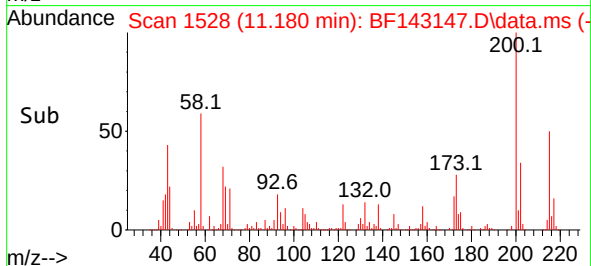
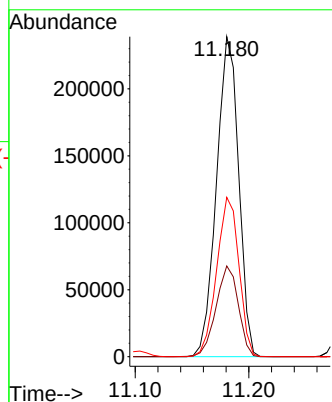
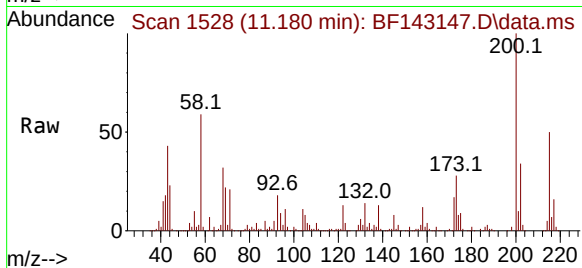
Tgt Ion:200 Resp: 324126

Ion Ratio Lower Upper

200 100

173 28.3 7.9 47.9

215 49.8 30.1 70.1



#70

Pentachlorophenol

Concen: 81.829 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

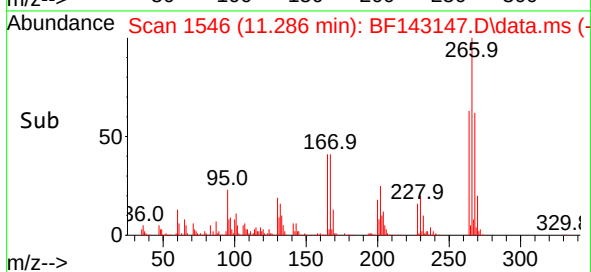
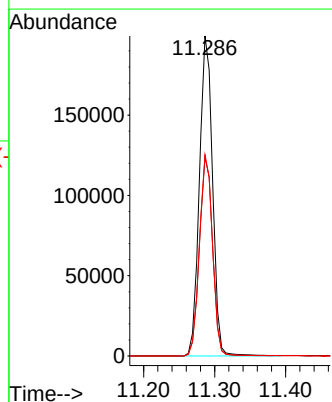
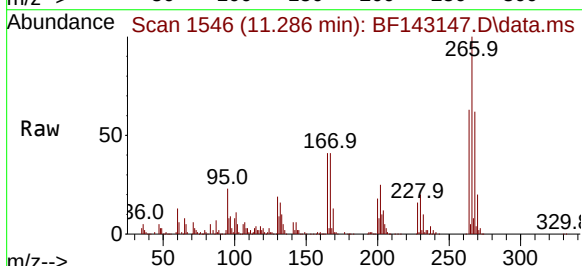
Tgt Ion:266 Resp: 257176

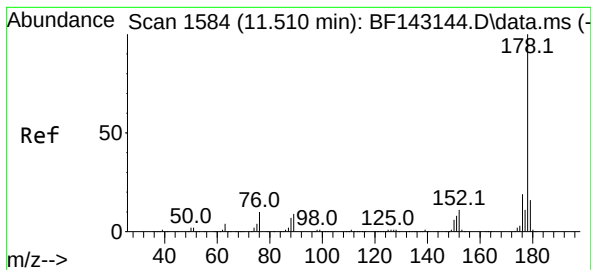
Ion Ratio Lower Upper

266 100

268 62.2 51.9 77.9

264 62.9 51.0 76.6





#71

Phenanthrene

Concen: 70.331 ng

RT: 11.516 min Scan# 1585

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

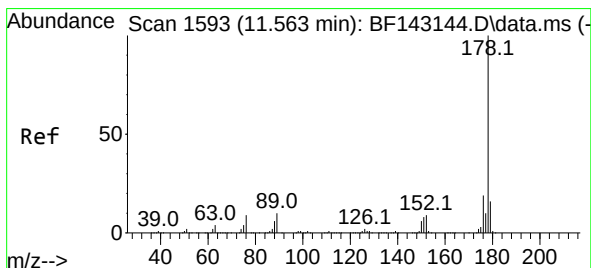
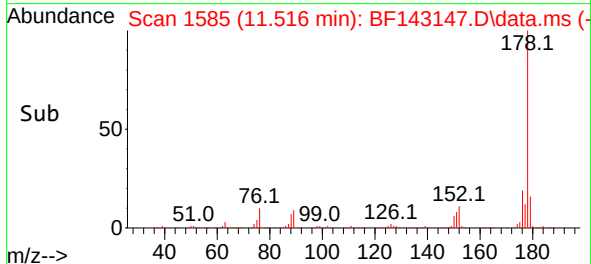
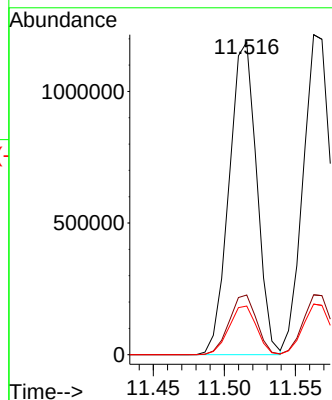
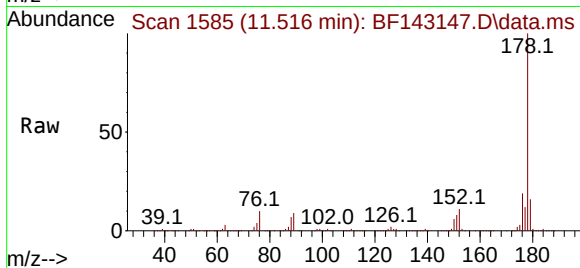
Tgt Ion:178 Resp: 1602208

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.5 12.5 18.7



#72

Anthracene

Concen: 70.640 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

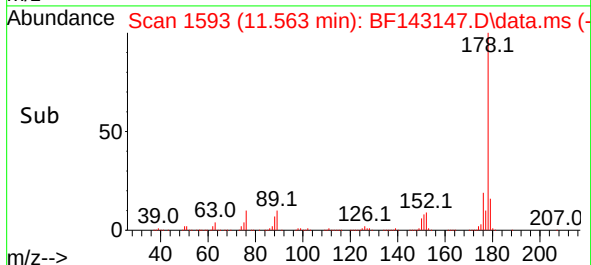
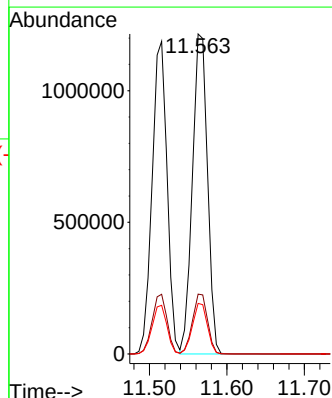
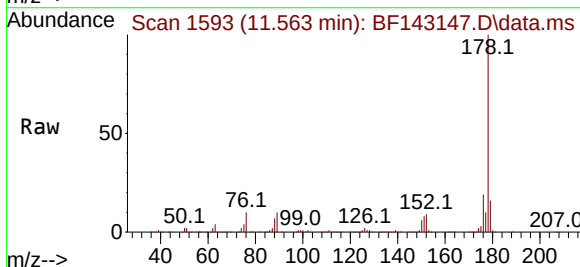
Tgt Ion:178 Resp: 1641264

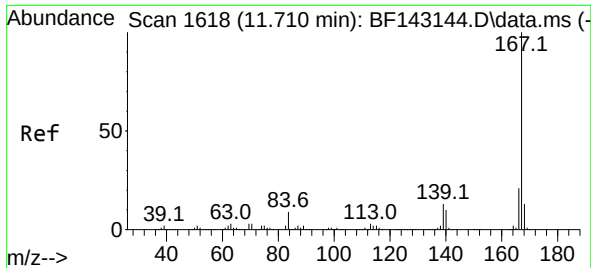
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.8 12.5 18.7

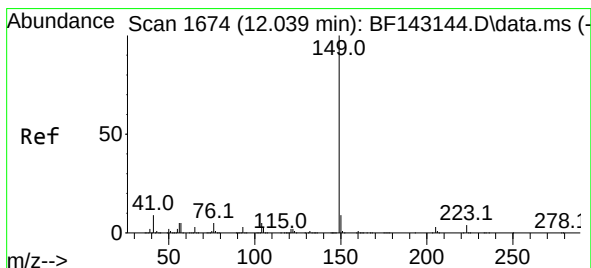
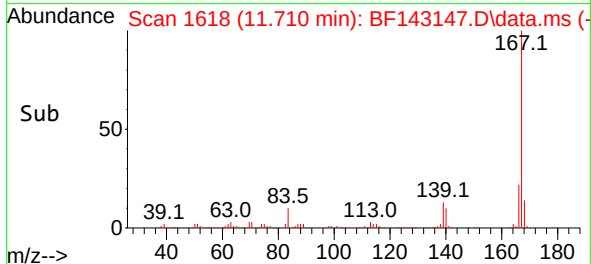
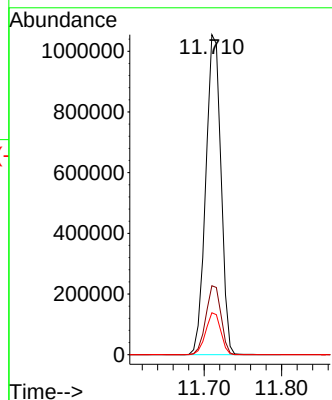
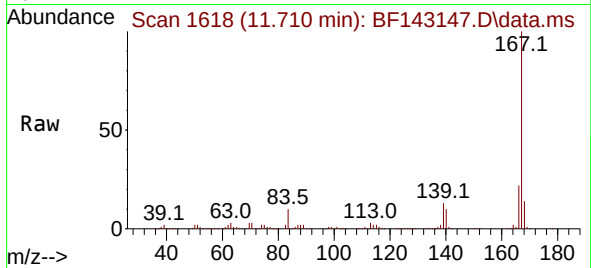




#73
 Carbazole
 Concen: 70.754 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. 0.000 min
 Lab File: BF143147.D
 Acq: 17 Jul 2025 14:34

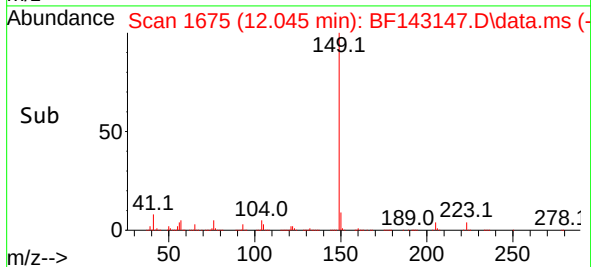
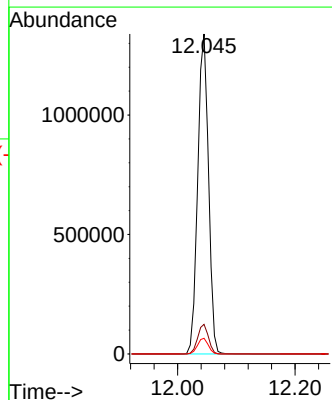
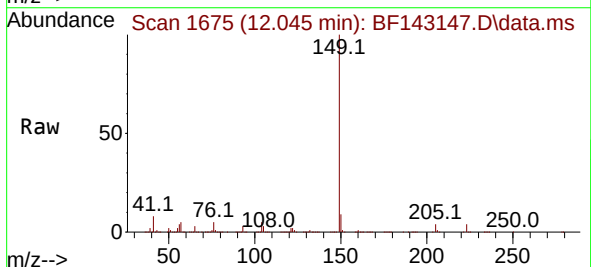
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

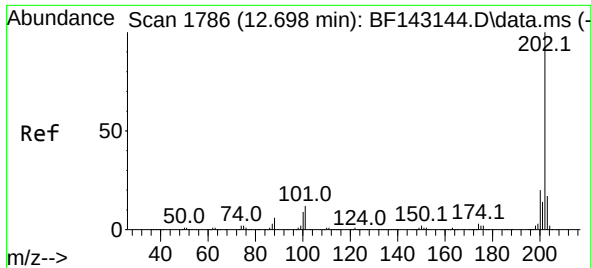
Tgt Ion:167 Resp: 1435444
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 13.1 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 74.034 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143147.D
 Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 1699503
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 4.9 3.8 5.8

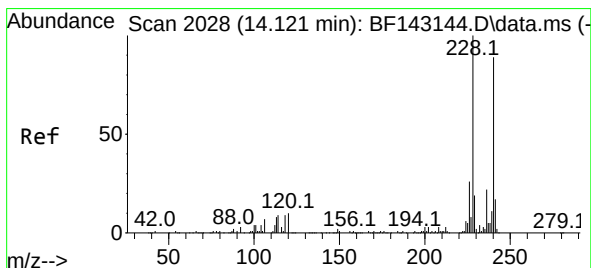
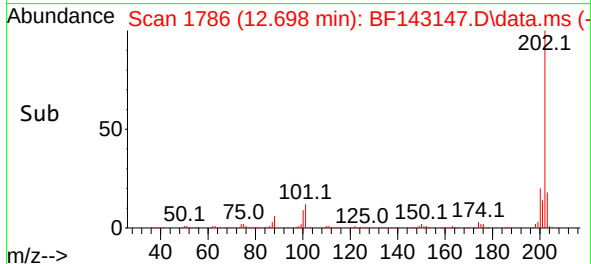
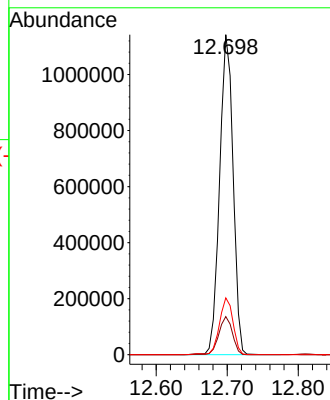
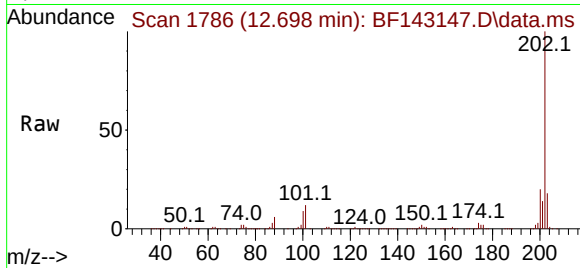




#75
Fluoranthene
Concen: 71.645 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

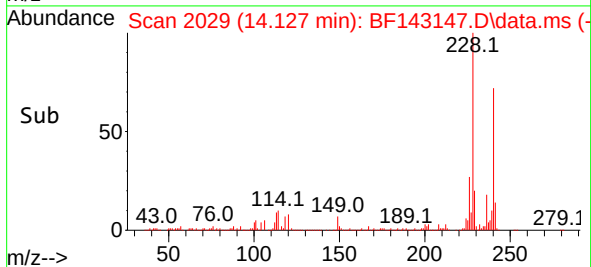
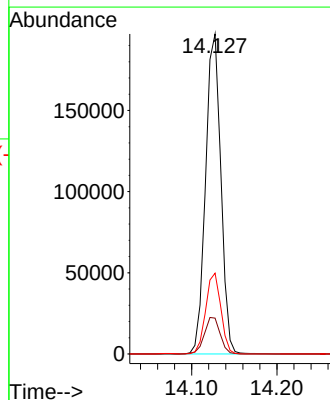
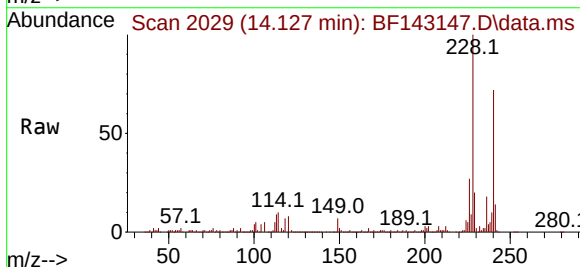
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

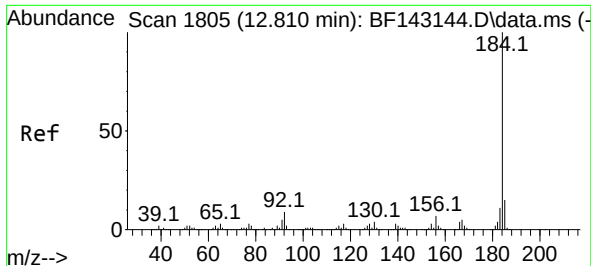
Tgt Ion:202 Resp: 1498103
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.7
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:240 Resp: 245351
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 25.2 20.2 30.4

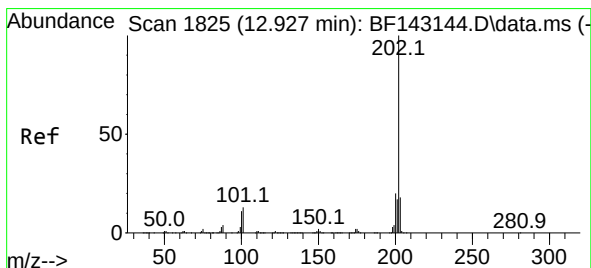
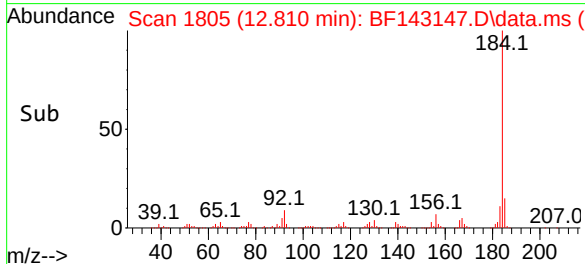
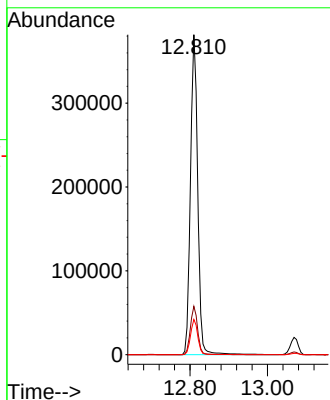
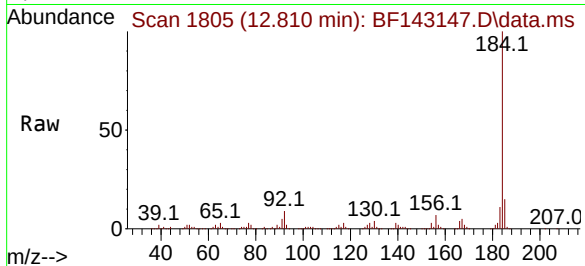




#77
Benzidine
Concen: 52.548 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

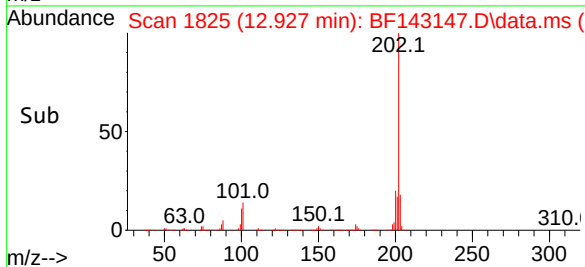
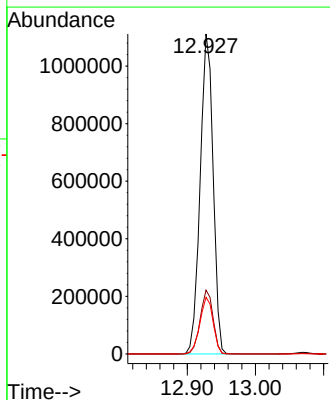
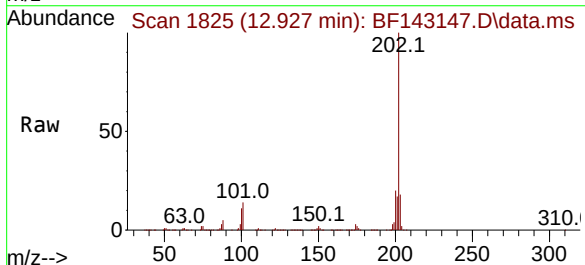
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

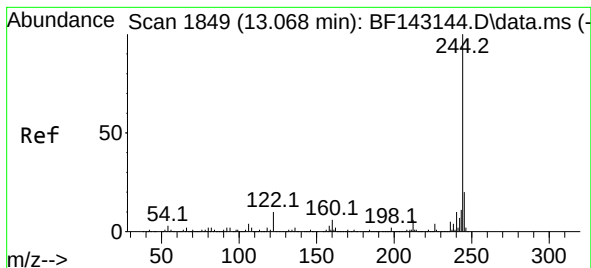
Tgt Ion:184 Resp: 496717
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.4
183 11.0 9.0 13.4



#78
Pyrene
Concen: 70.021 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:202 Resp: 1466205
Ion Ratio Lower Upper
202 100
200 20.0 15.7 23.5
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 133.606 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

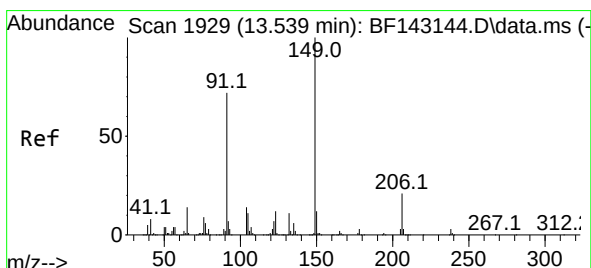
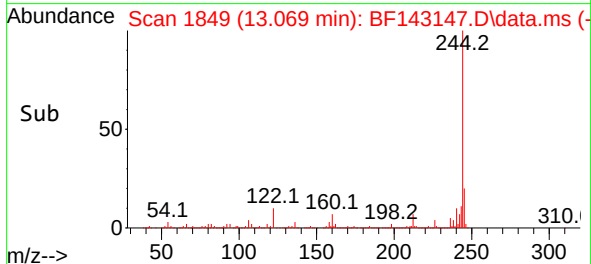
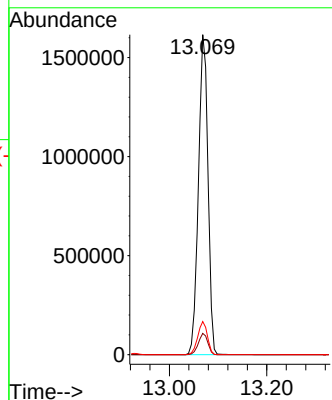
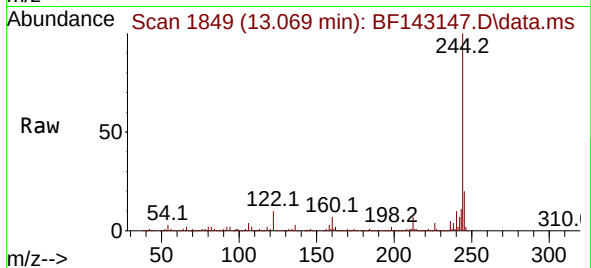
Tgt Ion:244 Resp: 2202828

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.4 8.2 12.2



#80

Butylbenzylphthalate

Concen: 81.353 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

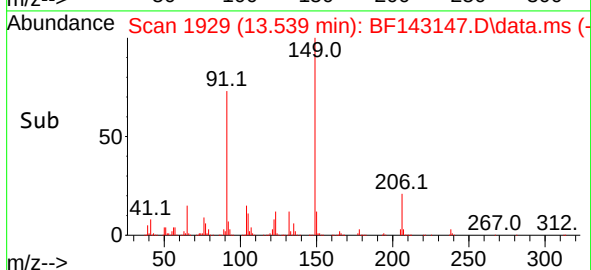
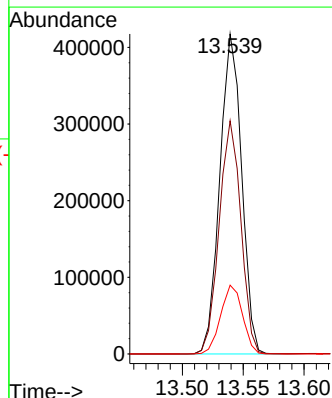
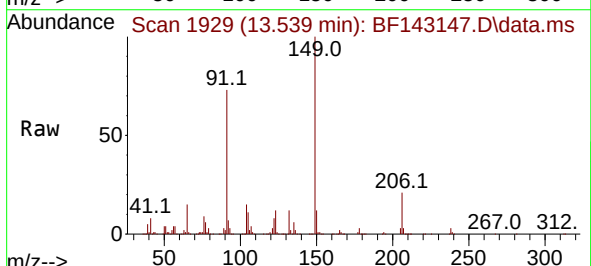
Tgt Ion:149 Resp: 521631

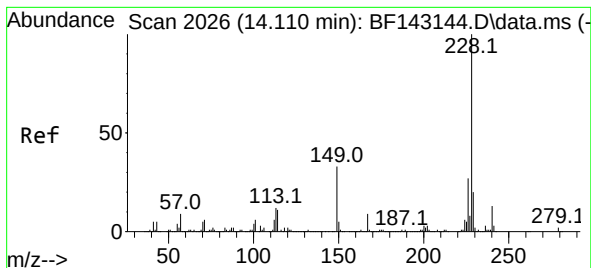
Ion Ratio Lower Upper

149 100

91 72.9 57.9 86.9

206 21.5 17.0 25.4





#81

Benzo(a)anthracene

Concen: 73.788 ng

RT: 14.116 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

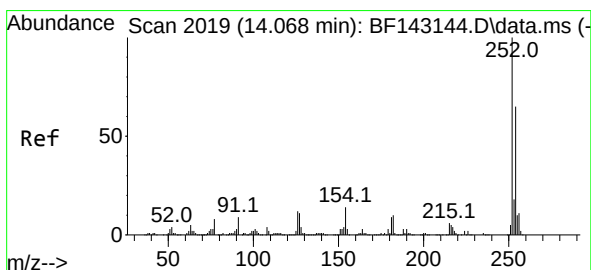
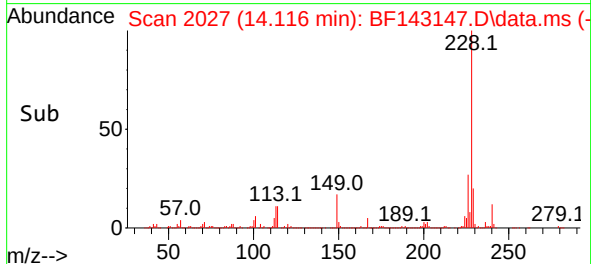
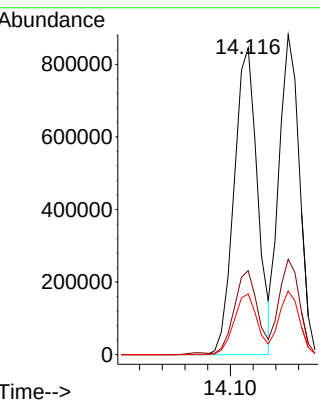
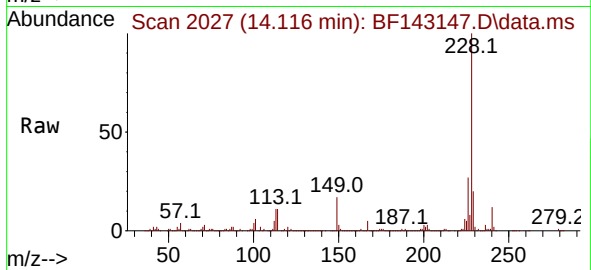
Tgt Ion:228 Resp: 1212056

Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

229 19.8 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 71.867 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

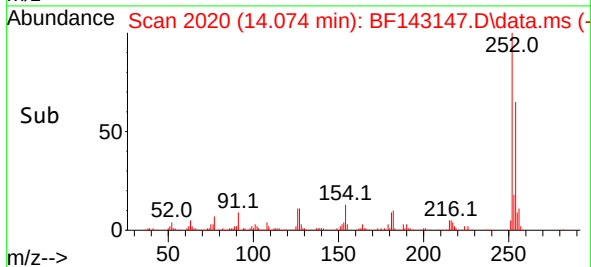
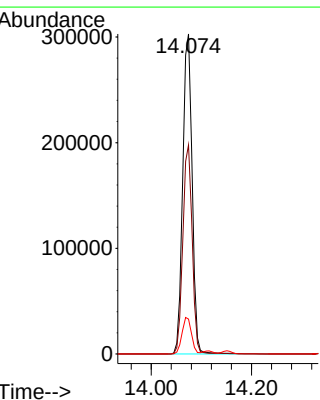
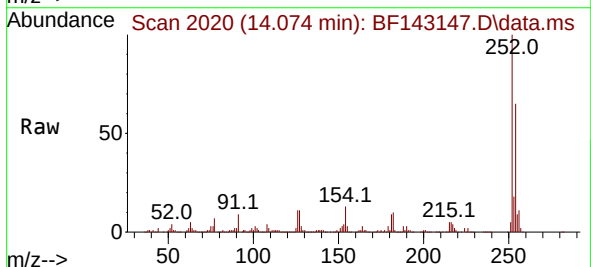
Tgt Ion:252 Resp: 393448

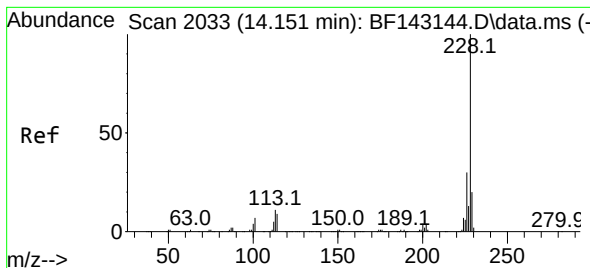
Ion Ratio Lower Upper

252 100

254 65.3 51.7 77.5

126 10.9 9.4 14.0





#83

Chrysene

Concen: 74.863 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

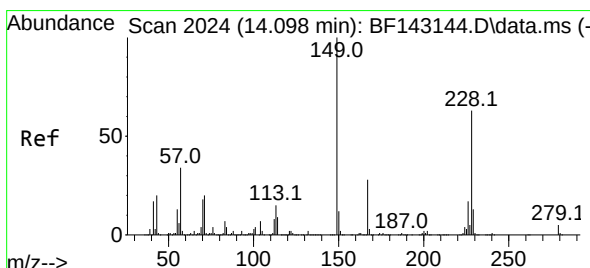
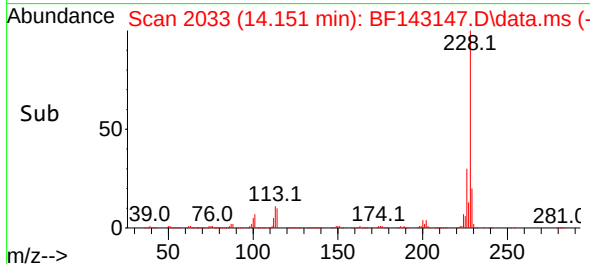
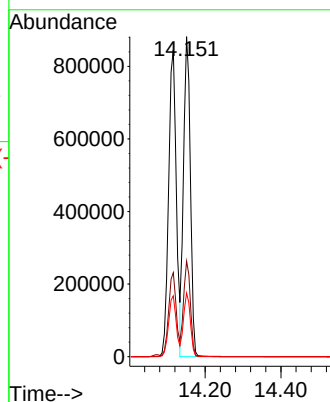
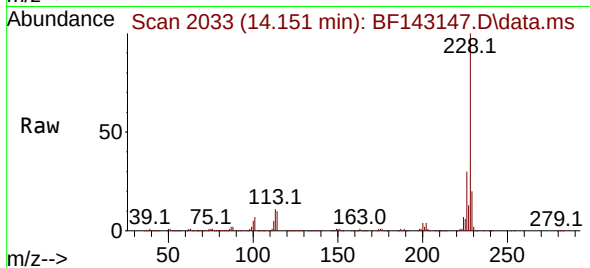
Tgt Ion:228 Resp: 1105636

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 79.790 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

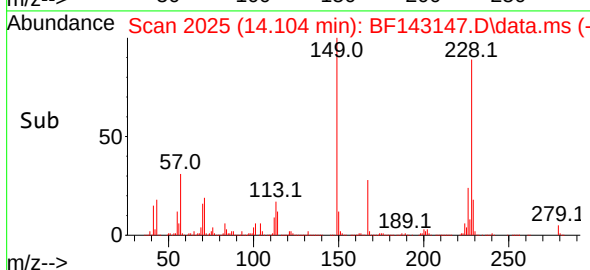
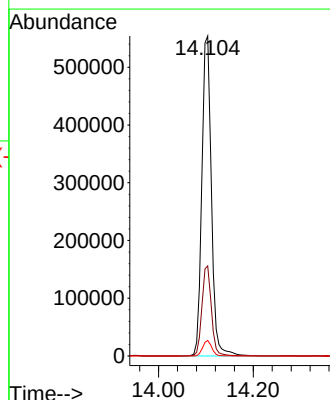
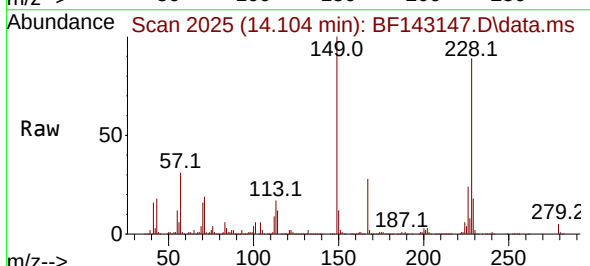
Tgt Ion:149 Resp: 774366

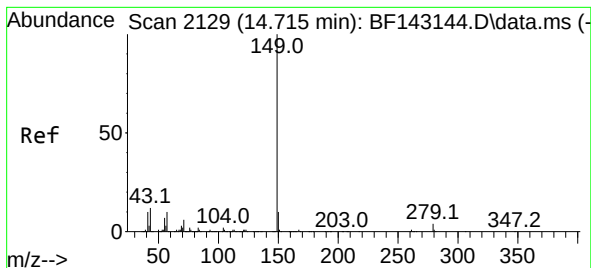
Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 4.9 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 81.519 ng

RT: 14.716 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

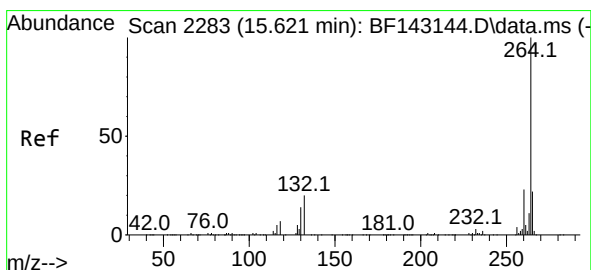
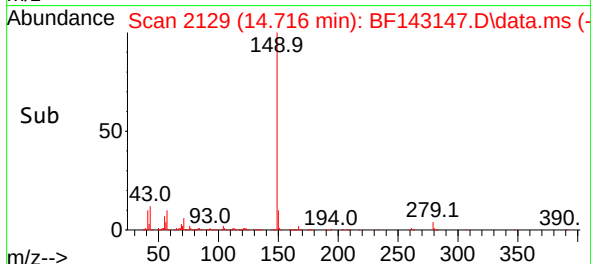
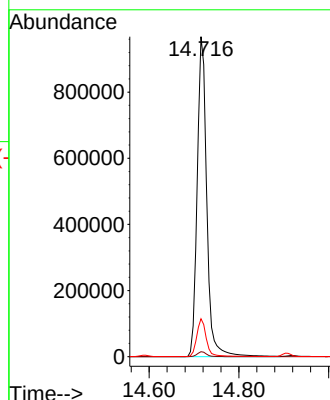
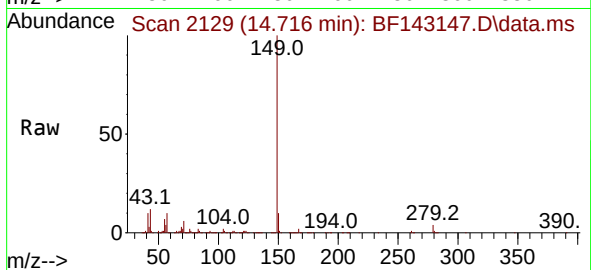
Tgt Ion:149 Resp: 1434055

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 11.9 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

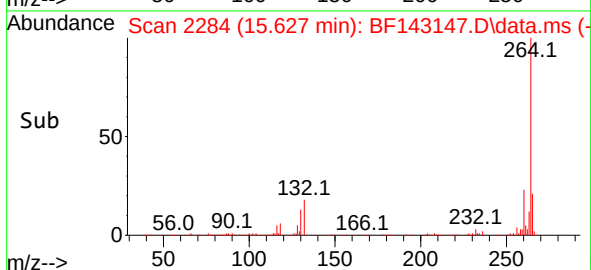
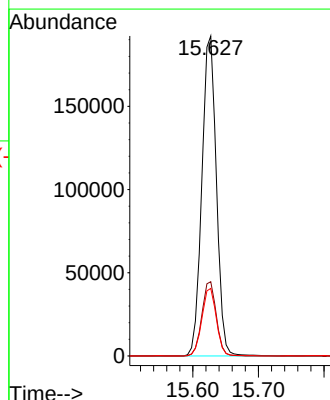
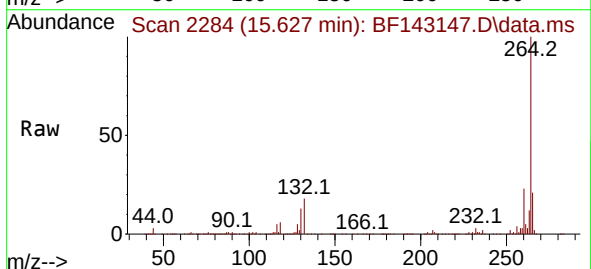
Tgt Ion:264 Resp: 296687

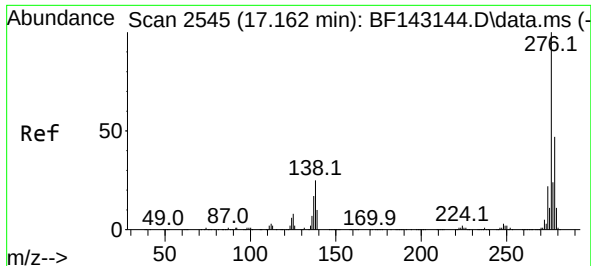
Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 21.1 17.4 26.2

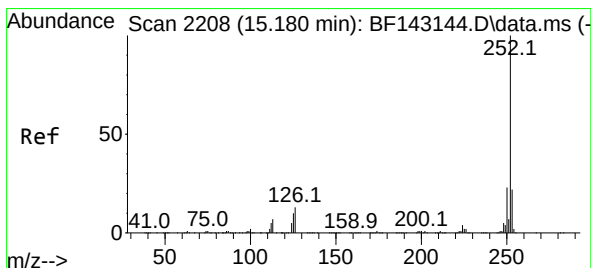
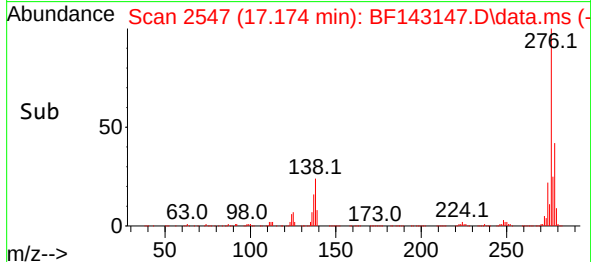
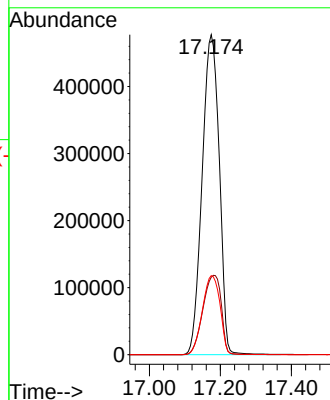
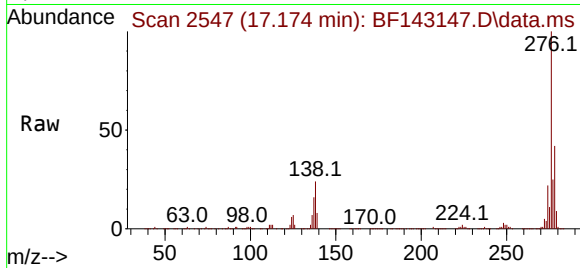




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 76.718 ng
 RT: 17.174 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF143147.D
 Acq: 17 Jul 2025 14:34

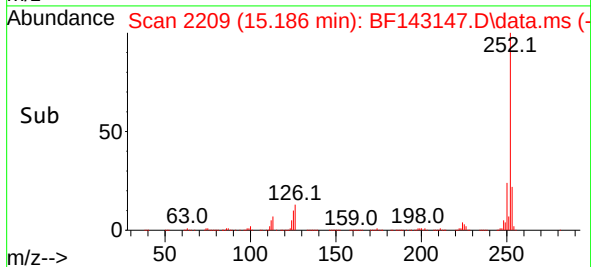
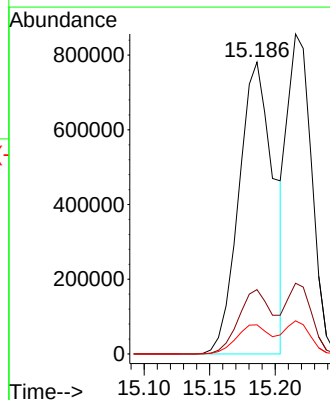
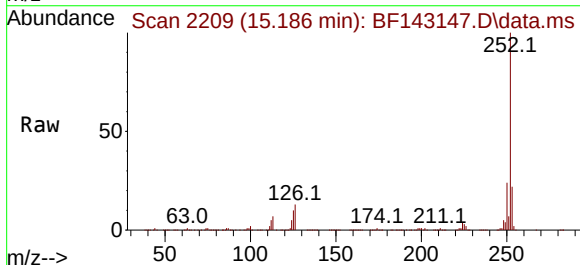
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

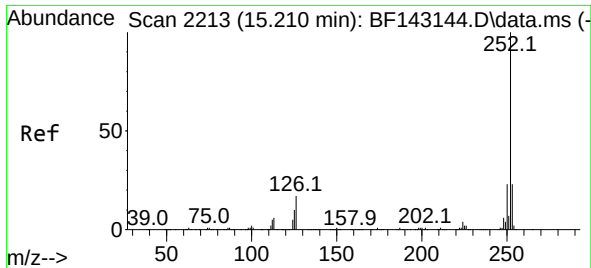
Tgt Ion:276 Resp: 1604969
 Ion Ratio Lower Upper
 276 100
 138 26.5 21.8 32.6
 277 25.5 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 79.367 ng
 RT: 15.186 min Scan# 2209
 Delta R.T. 0.006 min
 Lab File: BF143147.D
 Acq: 17 Jul 2025 14:34

Tgt Ion:252 Resp: 1438518
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.5 26.3
 125 10.0 8.0 12.0

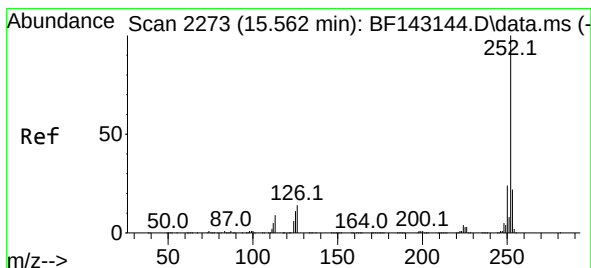
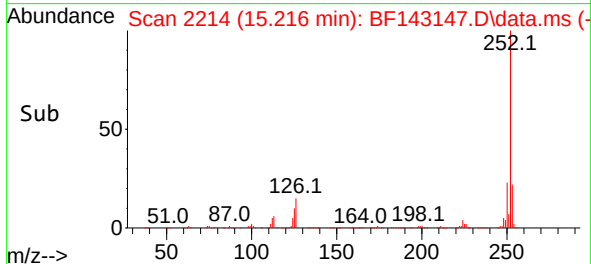
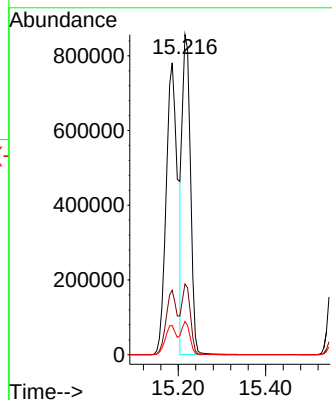
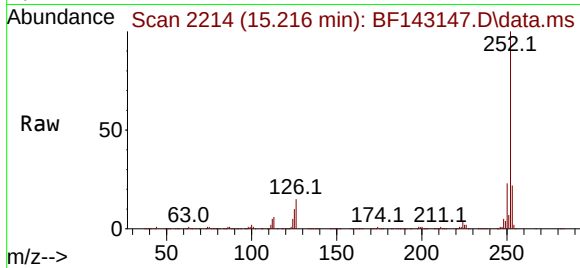




#89
Benzo(k)fluoranthene
Concen: 68.737 ng
RT: 15.216 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

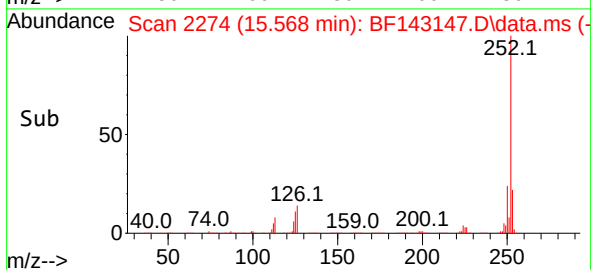
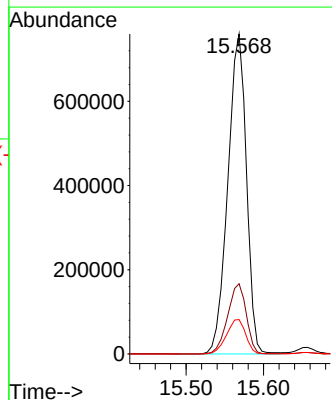
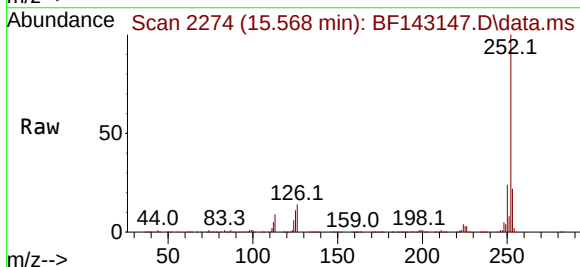
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

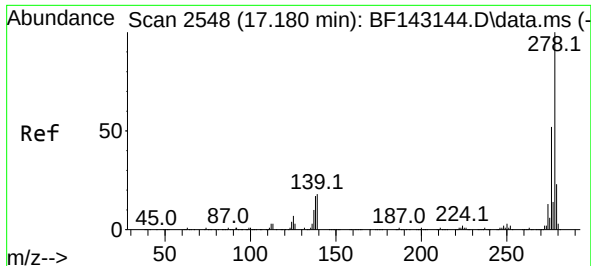
Tgt Ion:252 Resp: 1111726
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.4 8.1 12.1



#90
Benzo(a)pyrene
Concen: 76.006 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:252 Resp: 1269253
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 10.8 8.6 13.0

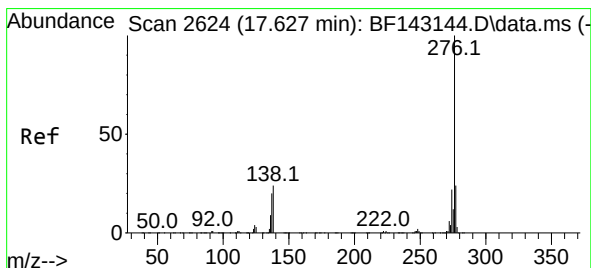
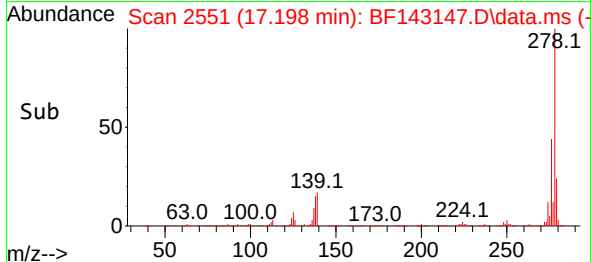
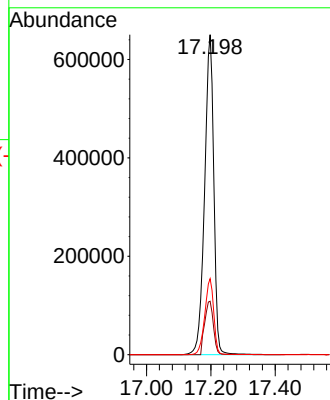
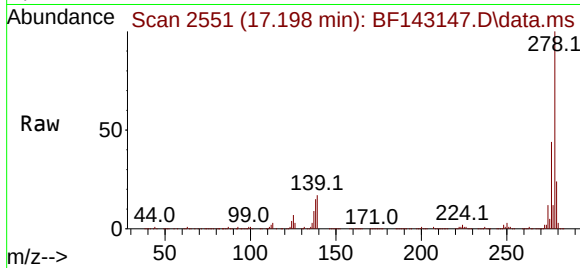




#91
Dibenzo(a,h)anthracene
Concen: 75.746 ng
RT: 17.198 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

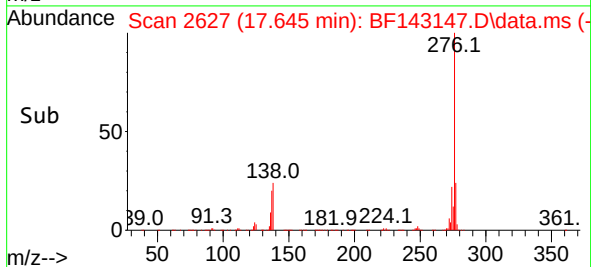
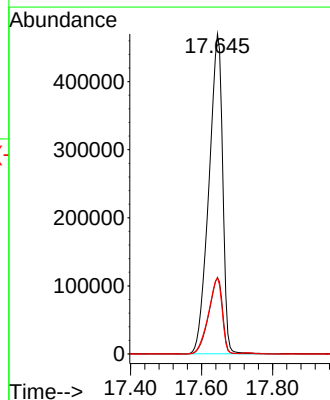
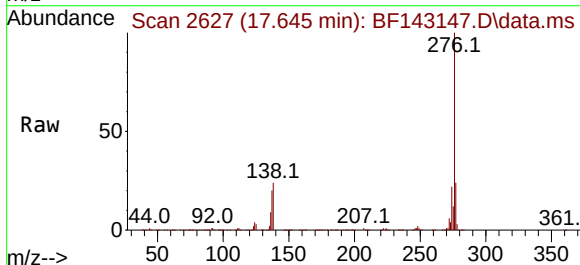
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1289789
Ion Ratio Lower Upper
278 100
139 16.7 14.1 21.1
279 23.8 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 76.846 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:276 Resp: 1265778
Ion Ratio Lower Upper
276 100
277 24.0 19.1 28.7
138 23.7 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	143868	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	559677	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	287255	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	457098	20.000	ng	0.00
76) Chrysene-d12	14.121	240	265008	20.000	ng	0.00
86) Perylene-d12	15.621	264	310192	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	701339	77.143	ng	0.00
7) Phenol-d6	6.581	99	894087	78.133	ng	0.00
23) Nitrobenzene-d5	7.522	82	811178	72.247	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	237309	79.969	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1449098	68.992	ng	0.00
79) Terphenyl-d14	13.068	244	1234701	69.333	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.793	88	165605	38.496	ng	98
3) Pyridine	3.569	79	453367	40.604	ng	99
4) n-Nitrosodimethylamine	3.510	42	235215	40.802	ng	97
6) Aniline	6.622	93	655116	41.078	ng	99
8) 2-Chlorophenol	6.745	128	395767	41.530	ng	99
9) Benzaldehyde	6.510	77	321269	37.441	ng	98
10) Phenol	6.598	94	542809	43.542	ng	99
11) bis(2-Chloroethyl)ether	6.692	93	387791	40.628	ng	100
12) 1,3-Dichlorobenzene	6.904	146	418232	40.400	ng	99
13) 1,4-Dichlorobenzene	6.981	146	424629	40.731	ng	99
14) 1,2-Dichlorobenzene	7.134	146	411560	41.506	ng	99
15) Benzyl Alcohol	7.098	79	366608	41.958	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	732274	41.357	ng	100
17) 2-Methylphenol	7.204	107	331709	41.398	ng	99
18) Hexachloroethane	7.481	117	151232	41.903	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	296171	40.342	ng	100
20) 3+4-Methylphenols	7.357	107	412065	42.387	ng	98
22) Acetophenone	7.369	105	533464	40.260	ng	99
24) Nitrobenzene	7.539	77	436834	41.731	ng	98
25) Isophorone	7.781	82	804071	40.567	ng	99
26) 2-Nitrophenol	7.857	139	203967	44.896	ng	100
27) 2,4-Dimethylphenol	7.886	122	377575	40.773	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	474637	39.939	ng	99
29) 2,4-Dichlorophenol	8.092	162	319216	40.875	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	342135	40.551	ng	99
31) Naphthalene	8.269	128	1106482	40.143	ng	100
32) Benzoic acid	7.986	122	202337	39.782	ng	98
33) 4-Chloroaniline	8.310	127	457742	40.671	ng	99
34) Hexachlorobutadiene	8.386	225	212781	41.284	ng	100
35) Caprolactam	8.675	113	96661	40.959	ng	98
36) 4-Chloro-3-methylphenol	8.780	107	344726	40.611	ng	99
37) 2-Methylnaphthalene	8.957	142	675594	40.279	ng	100
38) 1-Methylnaphthalene	9.057	142	703170	40.712	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	339567	40.944	ng	98
41) Hexachlorocyclopentadiene	9.116	237	231349	42.872	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	231043	40.253	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

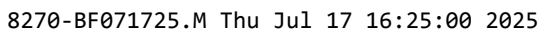
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

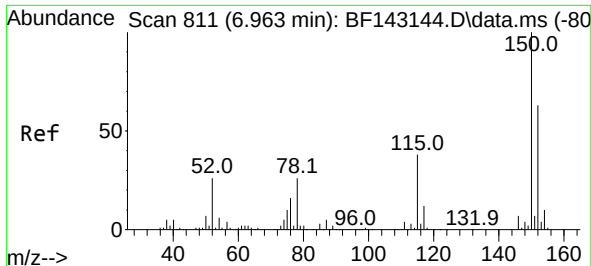
Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	246820	42.989	ng	97
46) 1,1'-Biphenyl	9.422	154	920059	41.053	ng	100
47) 2-Chloronaphthalene	9.445	162	666359	40.184	ng	100
48) 2-Nitroaniline	9.533	65	227376	43.723	ng	100
49) Acenaphthylene	9.863	152	1111992	40.013	ng	100
50) Dimethylphthalate	9.716	163	753041	40.218	ng	100
51) 2,6-Dinitrotoluene	9.775	165	166911	43.820	ng	98
52) Acenaphthene	10.033	154	659908	40.176	ng	99
53) 3-Nitroaniline	9.939	138	191512	42.985	ng	98
54) 2,4-Dinitrophenol	10.045	184	64659	40.998	ng	98
55) Dibenzofuran	10.204	168	974991	39.981	ng	100
56) 4-Nitrophenol	10.086	139	140876	42.344	ng	99
57) 2,4-Dinitrotoluene	10.175	165	212369	44.440	ng	97
58) Fluorene	10.551	166	717816	39.219	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	198530	41.743	ng	99
60) Diethylphthalate	10.416	149	753774	40.729	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	367981	40.377	ng	99
62) 4-Nitroaniline	10.551	138	160193	41.953	ng	98
63) Azobenzene	10.698	77	779524	40.414	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	98462	41.869	ng	97
66) n-Nitrosodiphenylamine	10.657	169	647855	40.250	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	222405	40.828	ng	100
68) Hexachlorobenzene	11.098	284	229272	40.268	ng	100
69) Atrazine	11.174	200	189104	42.615	ng	99
70) Pentachlorophenol	11.286	266	141608	42.292	ng	99
71) Phenanthrene	11.510	178	971448	40.026	ng	100
72) Anthracene	11.563	178	1003925	40.557	ng	99
73) Carbazole	11.710	167	874867	40.476	ng	100
74) Di-n-butylphthalate	12.039	149	1035244	42.330	ng	100
75) Fluoranthene	12.698	202	909717	40.836	ng	100
77) Benzidine	12.810	184	441470	43.239	ng	100
78) Pyrene	12.927	202	902771	39.916	ng	99
80) Butylbenzylphthalate	13.539	149	303528	43.827	ng	98
81) Benzo(a)anthracene	14.110	228	708799	39.950	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	258837	43.772	ng	100
83) Chrysene	14.145	228	673701	42.233	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	456811	43.578	ng	100
85) Di-n-octyl phthalate	14.715	149	818512	43.077	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	896404	40.983	ng	100
88) Benzo(b)fluoranthene	15.180	252	820119	43.278	ng	100
89) Benzo(k)fluoranthene	15.209	252	634642	37.531	ng	99
90) Benzo(a)pyrene	15.562	252	708756	40.594	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	724758	40.710	ng	99
92) Benzo(g,h,i)perylene	17.627	276	712864	41.394	ng	100

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

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

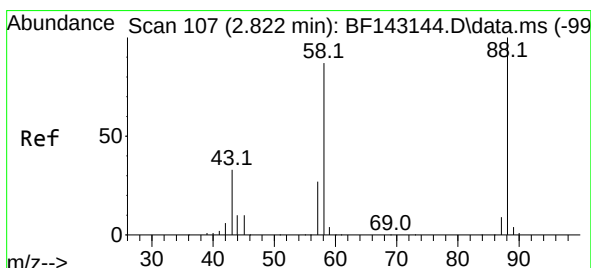
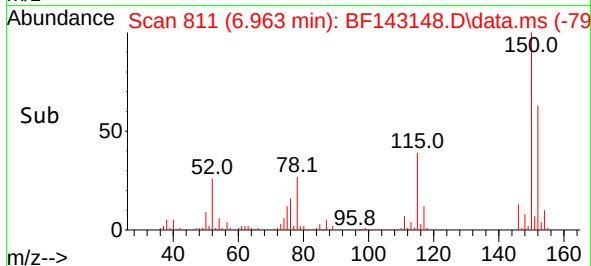
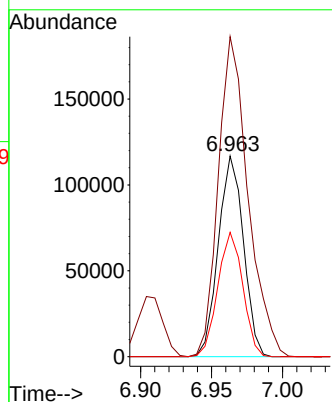
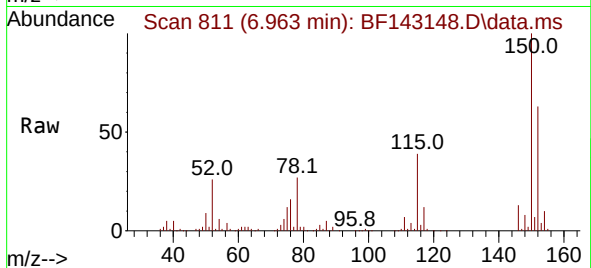




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

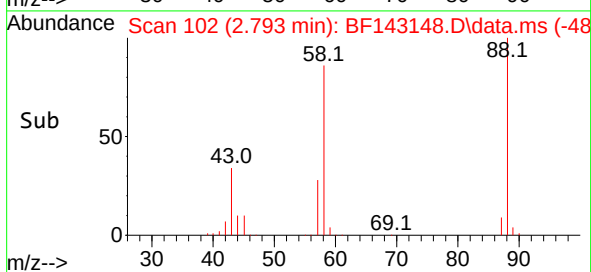
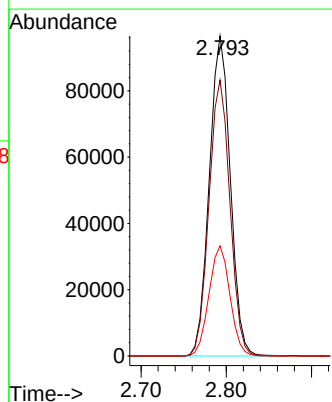
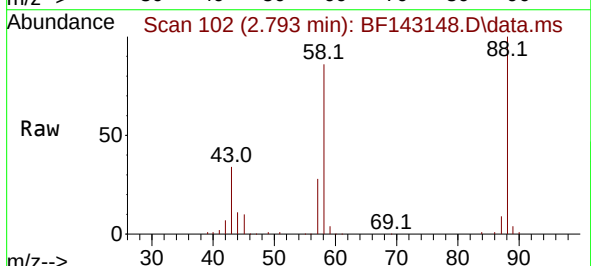
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

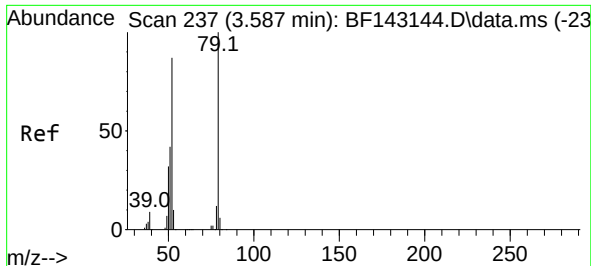
Tgt Ion:152 Resp: 143868
Ion Ratio Lower Upper
152 100
150 159.5 128.2 192.4
115 62.0 47.9 71.9



#2
1,4-Dioxane
Concen: 38.496 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 88 Resp: 165605
Ion Ratio Lower Upper
88 100
58 86.0 70.2 105.2
43 34.4 27.1 40.7

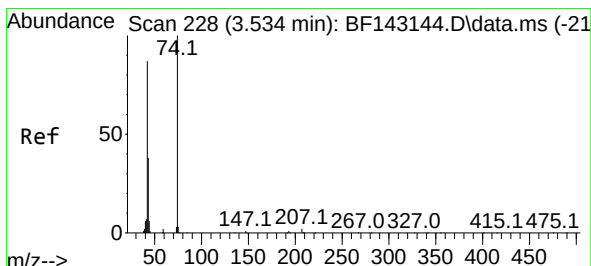
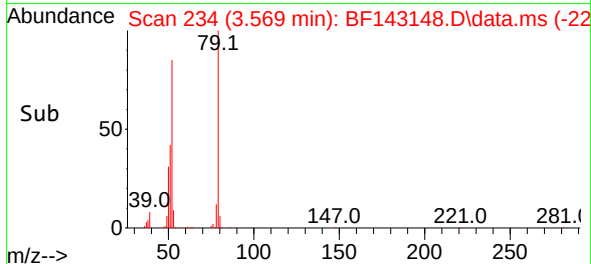
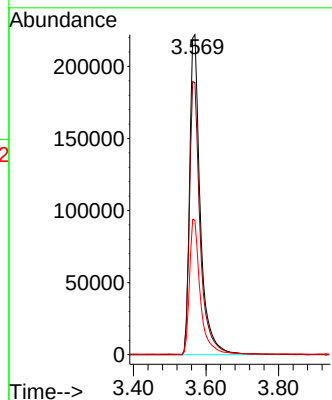
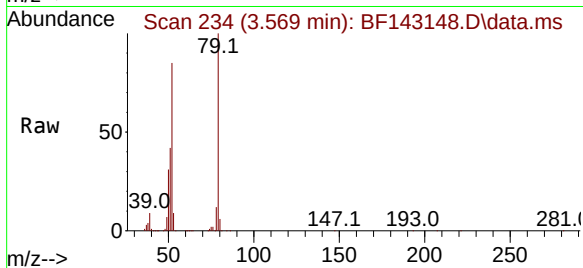




#3
 Pyridine
 Concen: 40.604 ng
 RT: 3.569 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF143148.D
 Acq: 17 Jul 2025 15:06

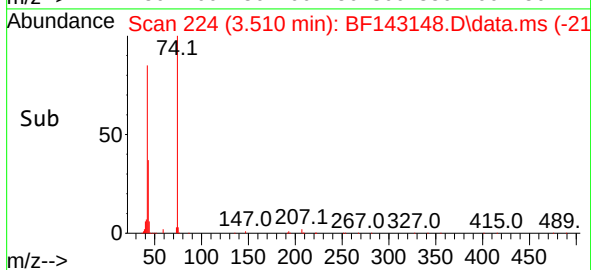
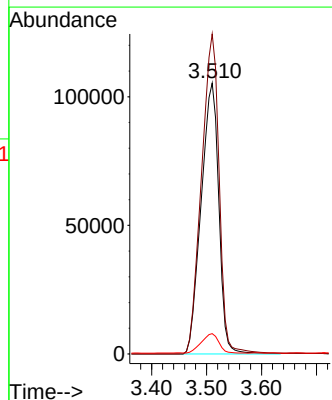
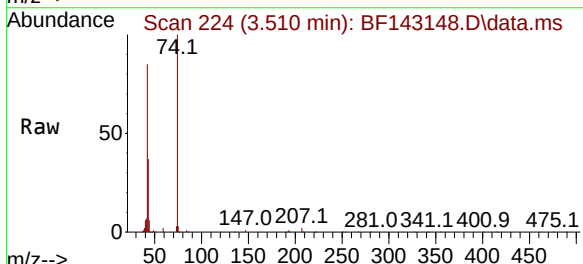
Instrument :
 BNA_F
 ClientSampleId :
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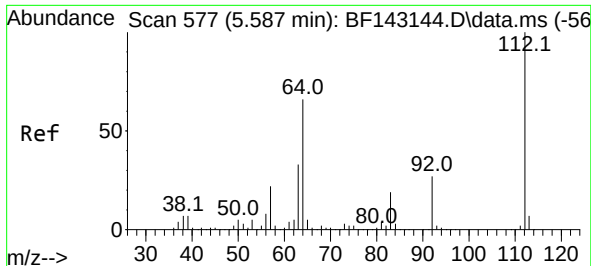
Tgt Ion: 79 Resp: 453367
 Ion Ratio Lower Upper
 79 100
 52 85.0 69.4 104.2
 51 42.0 33.5 50.3



#4
 n-Nitrosodimethylamine
 Concen: 40.802 ng
 RT: 3.510 min Scan# 224
 Delta R.T. -0.024 min
 Lab File: BF143148.D
 Acq: 17 Jul 2025 15:06

Tgt Ion: 42 Resp: 235215
 Ion Ratio Lower Upper
 42 100
 74 118.1 91.7 137.5
 44 7.5 5.6 8.4

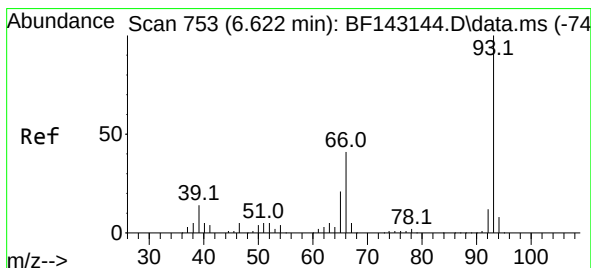
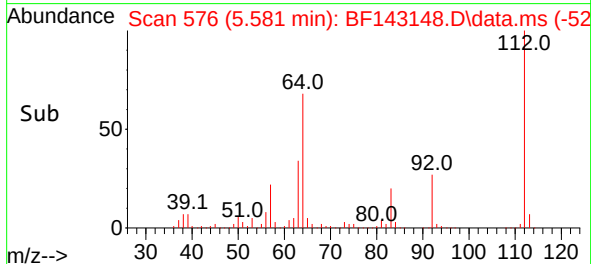
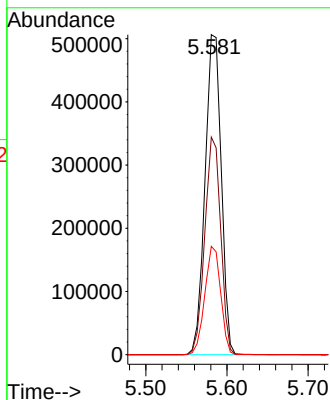
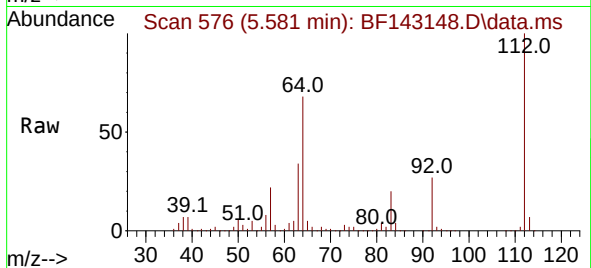




#5
2-Fluorophenol
Concen: 77.143 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

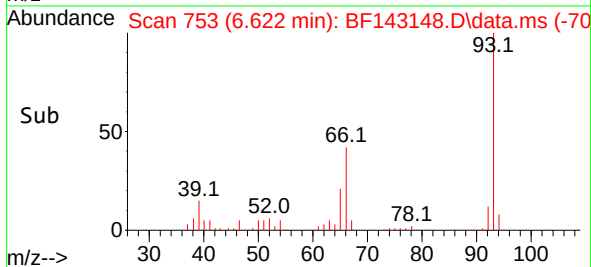
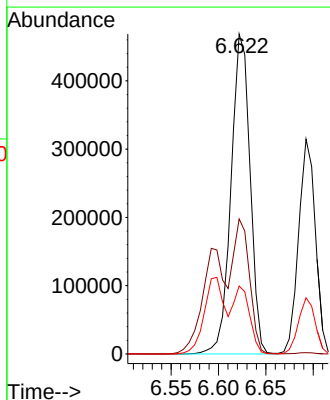
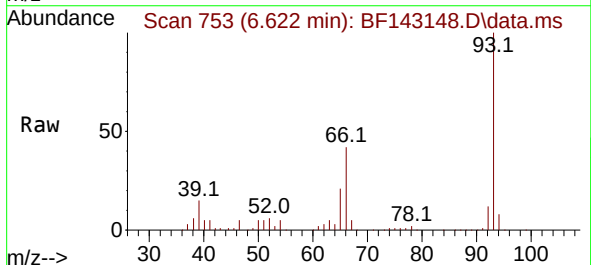
Instrument :
BNA_F
ClientSampleId :
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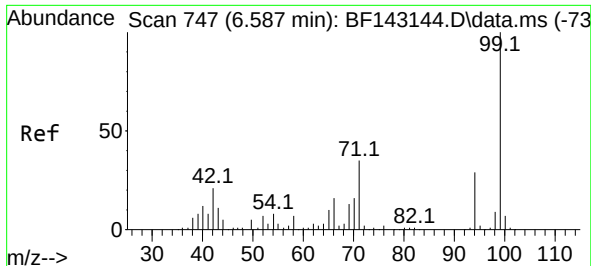
Tgt Ion:112 Resp: 701339
Ion Ratio Lower Upper
112 100
64 68.0 53.1 79.7
63 33.9 26.6 40.0



#6
Aniline
Concen: 41.078 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 93 Resp: 655116
Ion Ratio Lower Upper
93 100
66 42.2 33.2 49.8
65 21.3 16.9 25.3

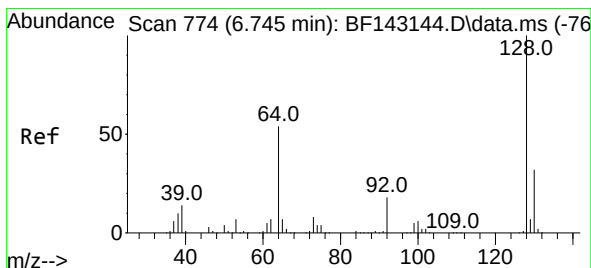
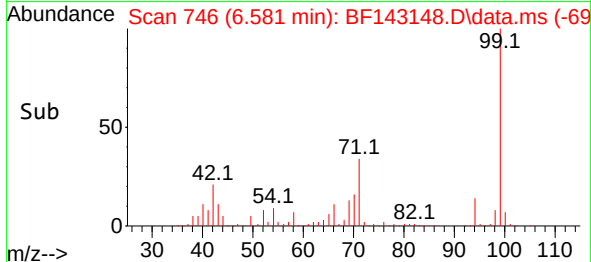
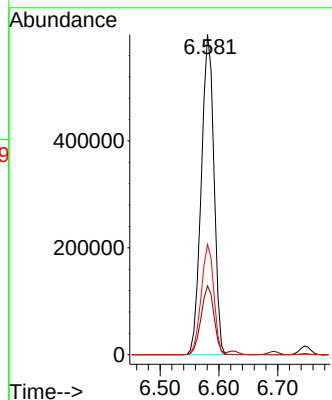
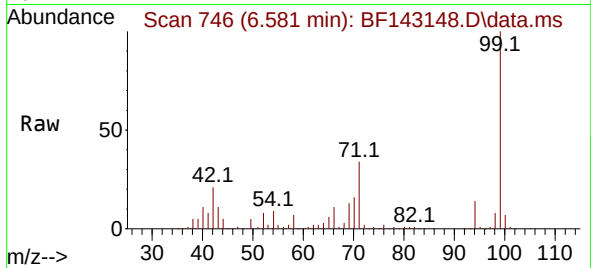




#7
Phenol-d6
Concen: 78.133 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

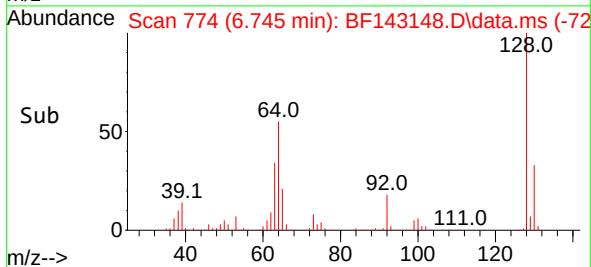
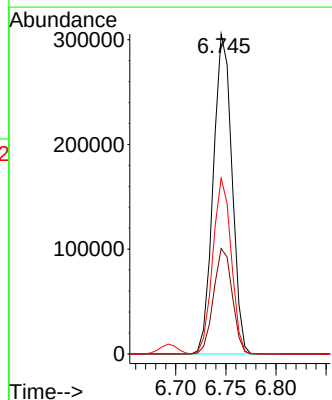
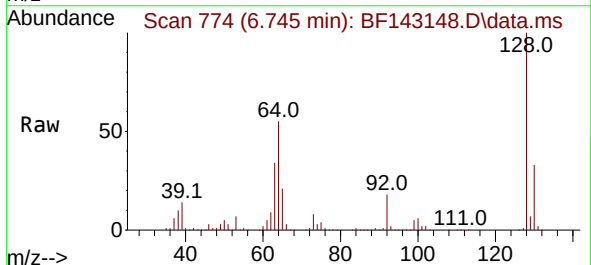
Instrument :
BNA_F
ClientSampleId :
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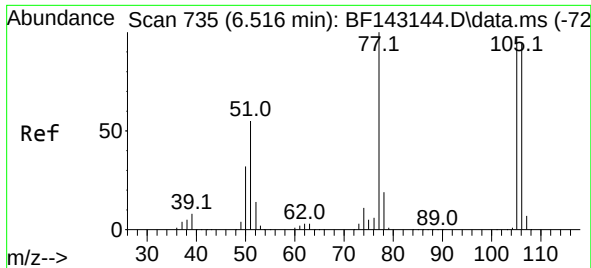
Tgt Ion: 99 Resp: 894087
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 34.5 27.7 41.5



#8
2-Chlorophenol
Concen: 41.530 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 128 Resp: 395767
Ion Ratio Lower Upper
128 100
130 32.9 12.3 52.3
64 54.9 35.9 75.9

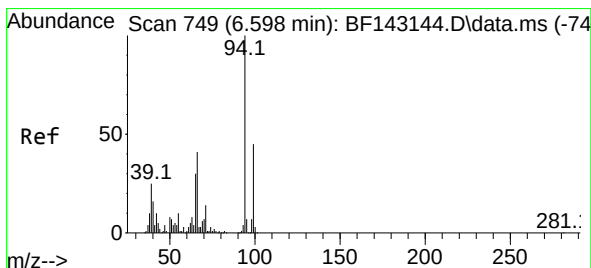
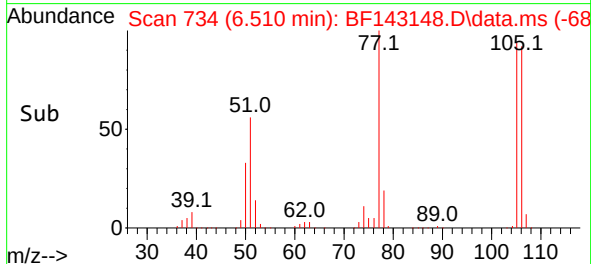
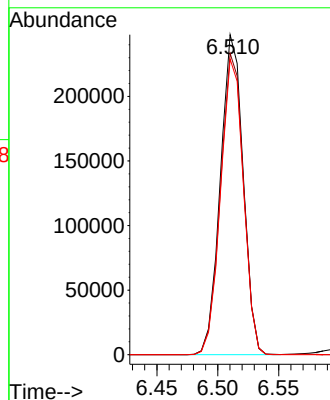
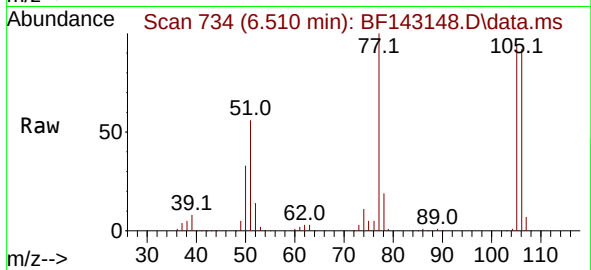




#9
Benzaldehyde
Concen: 37.441 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

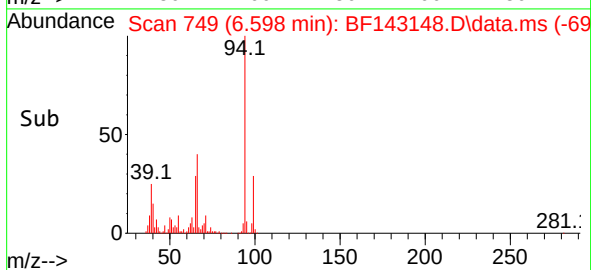
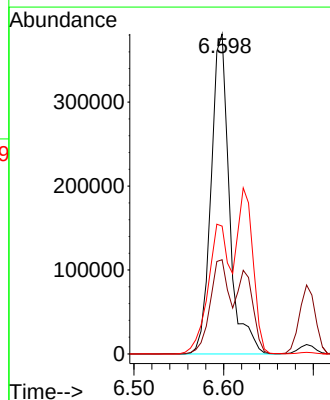
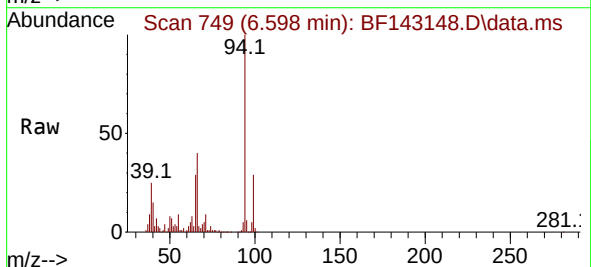
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

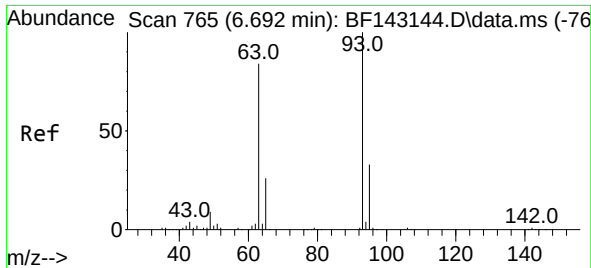
Tgt Ion: 77 Resp: 321269
Ion Ratio Lower Upper
77 100
105 94.2 76.8 116.8
106 92.4 74.4 114.4



#10
Phenol
Concen: 43.542 ng
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 94 Resp: 542809
Ion Ratio Lower Upper
94 100
65 29.4 10.0 50.0
66 40.0 20.8 60.8

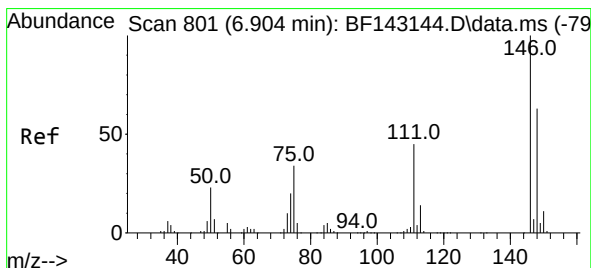
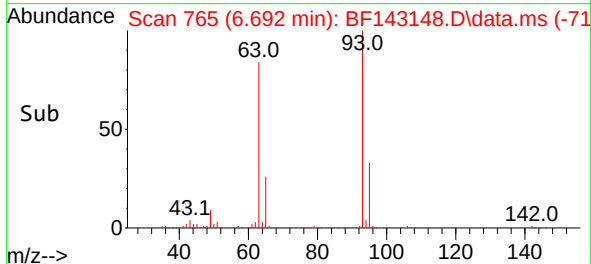
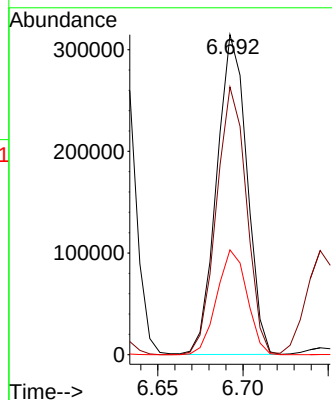
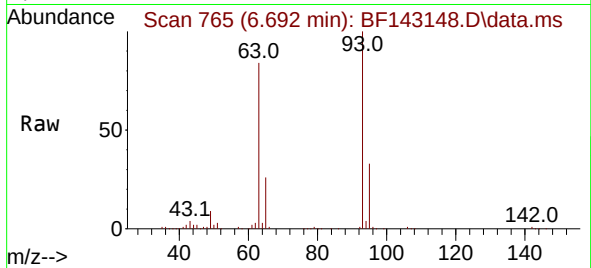




#11
bis(2-Chloroethyl)ether
Concen: 40.628 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

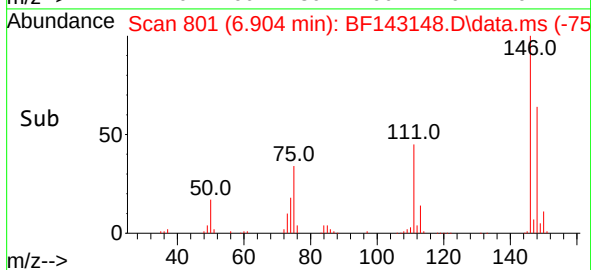
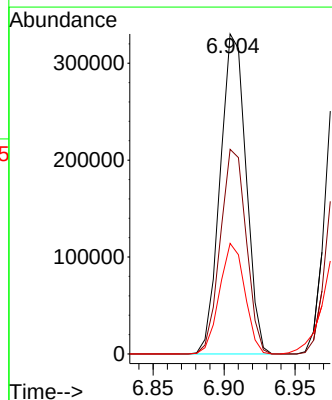
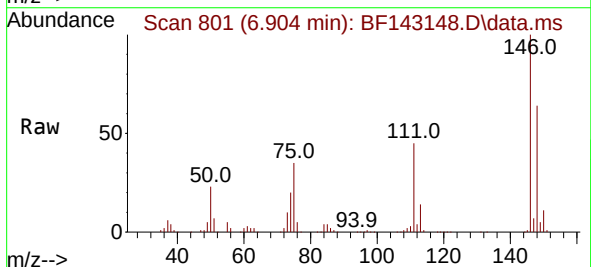
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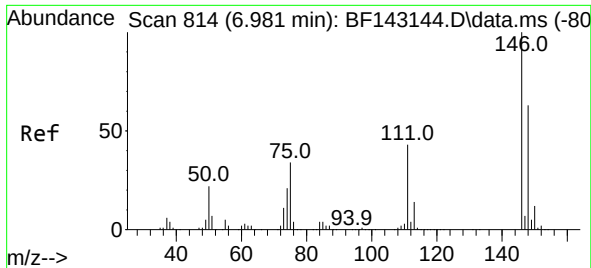
Tgt Ion: 93 Resp: 387791
Ion Ratio Lower Upper
93 100
63 83.7 63.4 103.4
95 32.7 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 40.400 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 146 Resp: 418232
Ion Ratio Lower Upper
146 100
148 63.9 50.6 76.0
75 34.6 27.4 41.2

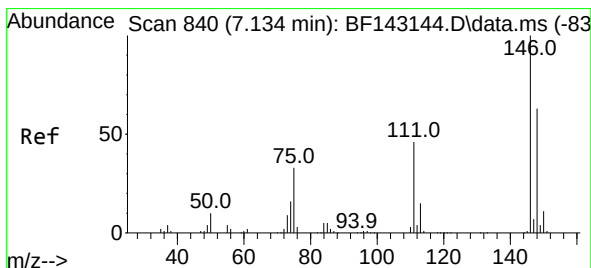
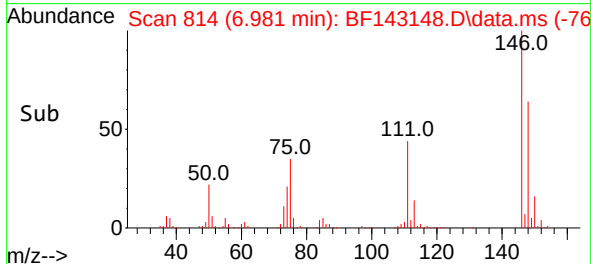
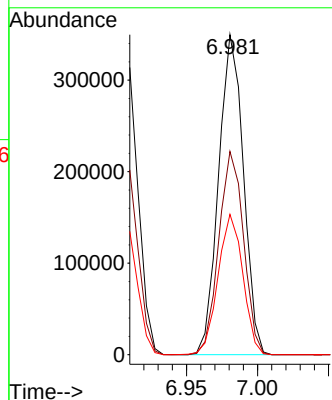
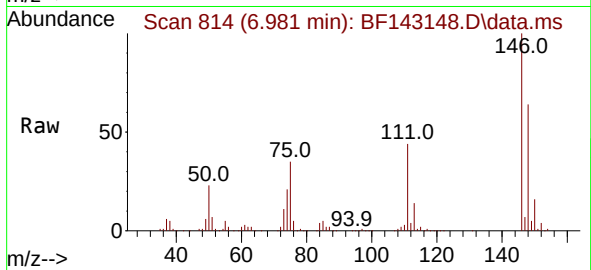




#13
1,4-Dichlorobenzene
Concen: 40.731 ng
RT: 6.981 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

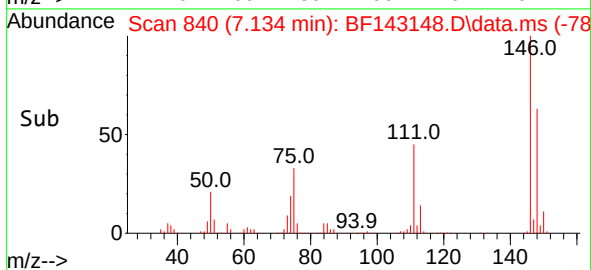
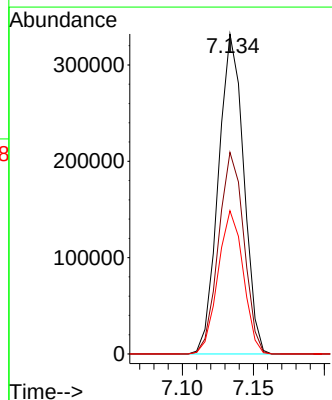
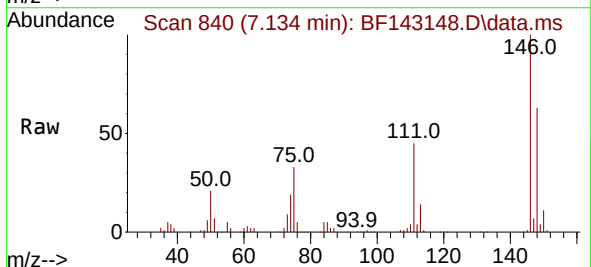
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

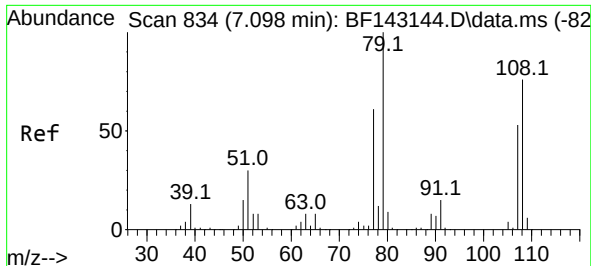
Tgt Ion:146 Resp: 424629
Ion Ratio Lower Upper
146 100
148 63.5 50.3 75.5
111 43.8 34.4 51.6



#14
1,2-Dichlorobenzene
Concen: 41.506 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:146 Resp: 411560
Ion Ratio Lower Upper
146 100
148 63.0 50.7 76.1
111 44.8 36.6 54.8

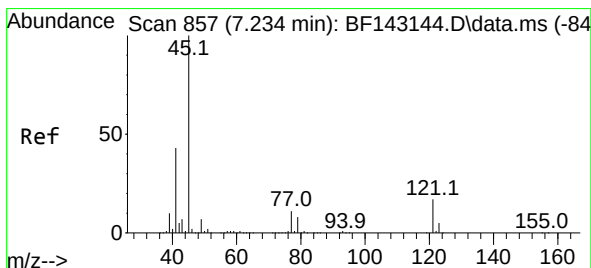
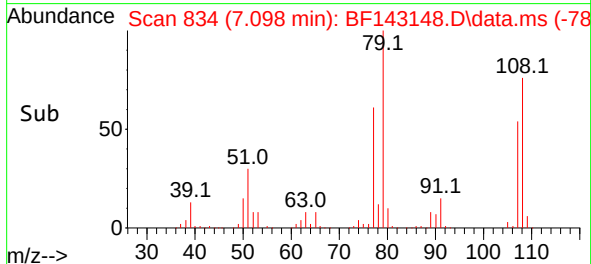
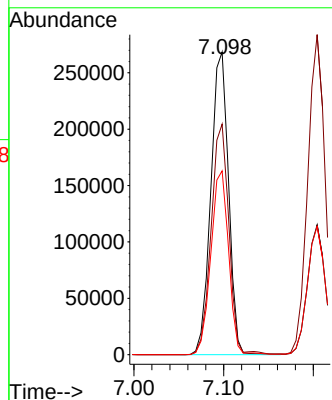
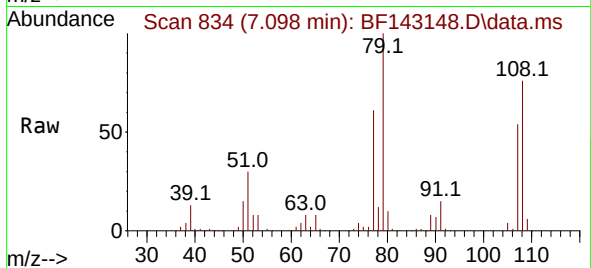




#15
Benzyl Alcohol
Concen: 41.958 ng
RT: 7.098 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

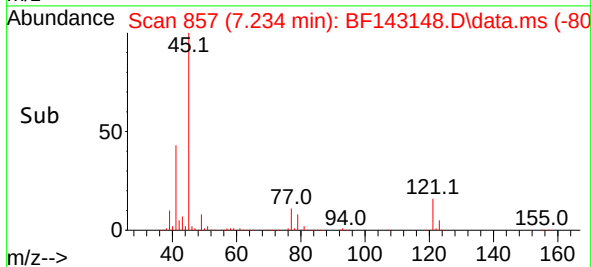
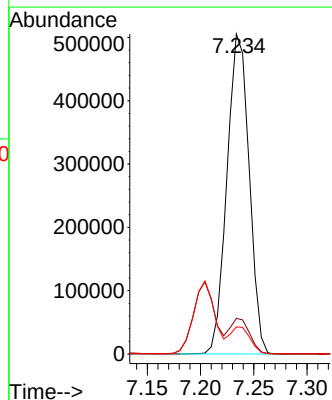
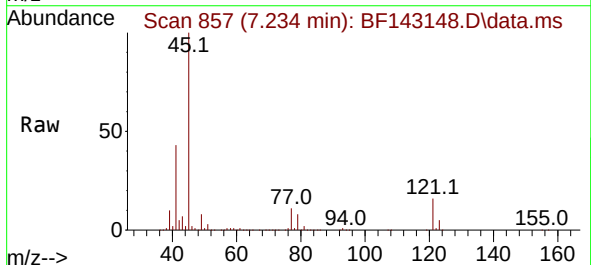
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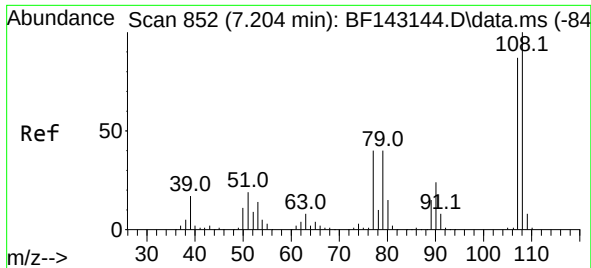
Tgt Ion: 79 Resp: 366608
Ion Ratio Lower Upper
79 100
108 76.2 61.1 91.7
77 60.8 48.9 73.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 41.357 ng
RT: 7.234 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 45 Resp: 732274
Ion Ratio Lower Upper
45 100
77 11.1 0.0 31.2
79 8.5 0.0 28.5

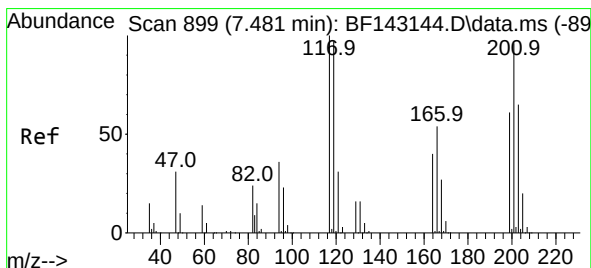
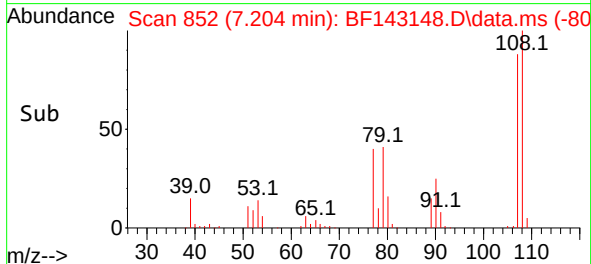
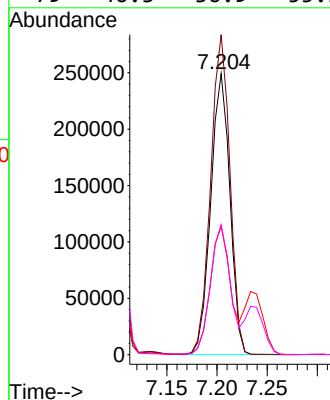
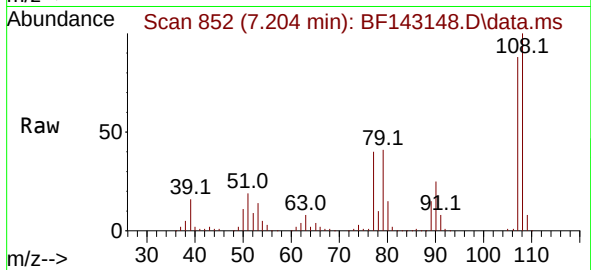




#17
2-Methylphenol
Concen: 41.398 ng
RT: 7.204 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

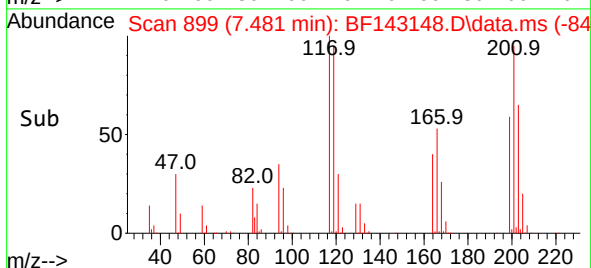
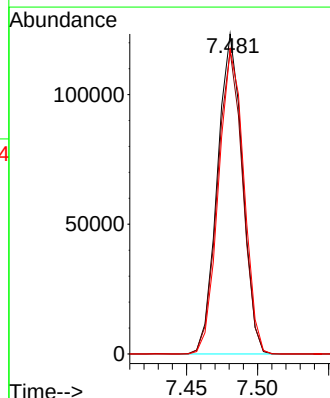
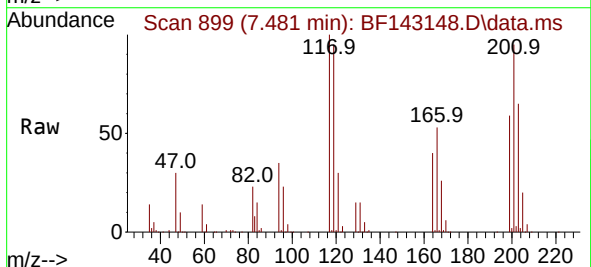
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

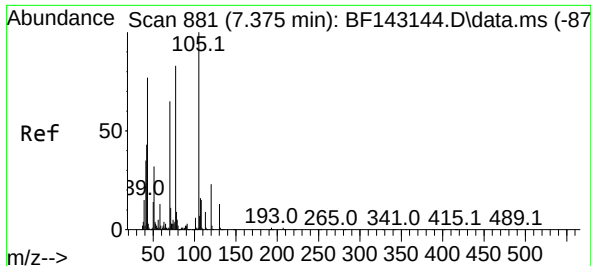
Tgt Ion:	107	Resp:	331709
Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.8	137.6
77	45.7	37.0	55.6
79	46.3	36.9	55.3



#18
Hexachloroethane
Concen: 41.903 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:	117	Resp:	151232
Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.8	116.8
201	95.2	77.0	115.4

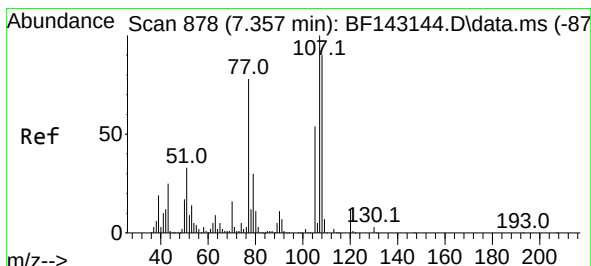
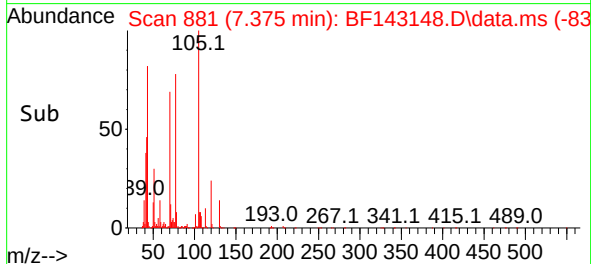
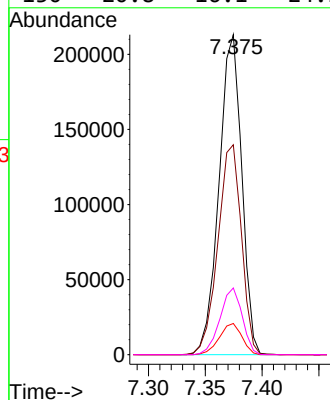
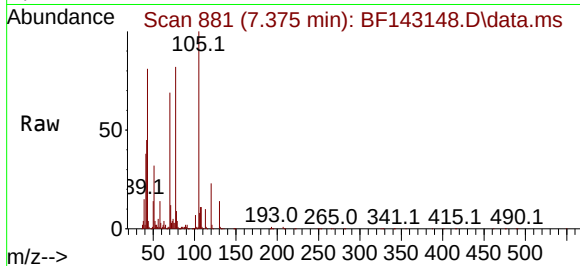




#19
n-Nitroso-di-n-propylamine
Concen: 40.342 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

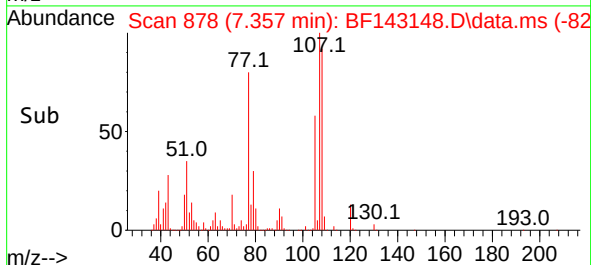
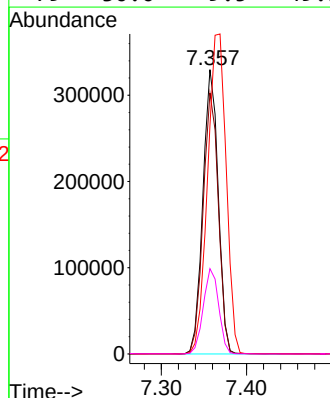
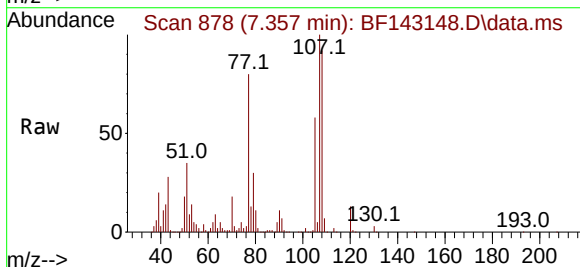
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

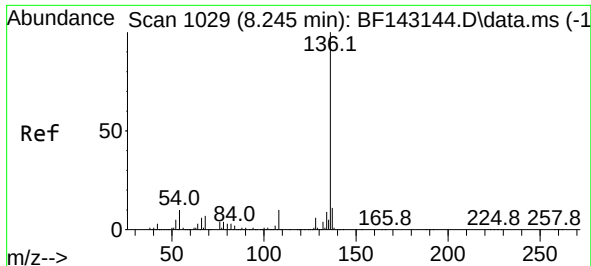
Tgt Ion:	70	Resp:	296171
Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.8	7.6	11.4
130	20.8	16.1	24.1



#20
3+4-Methylphenols
Concen: 42.387 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:	107	Resp:	412065
Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.0	110.0
77	80.5	57.8	97.8
79	30.0	9.5	49.5

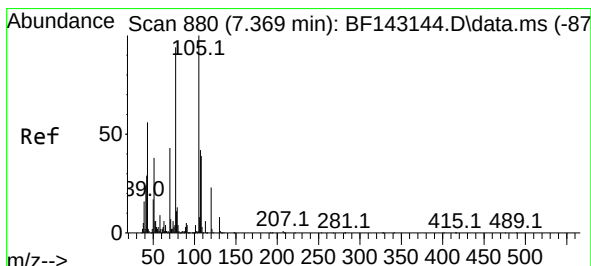
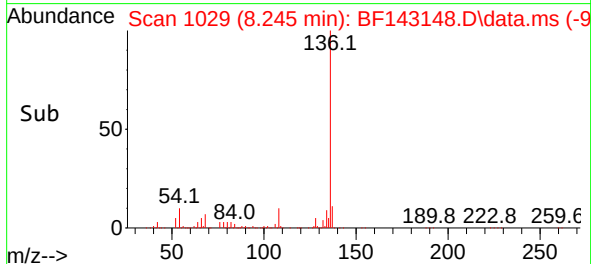
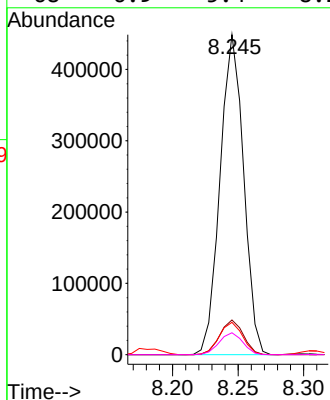
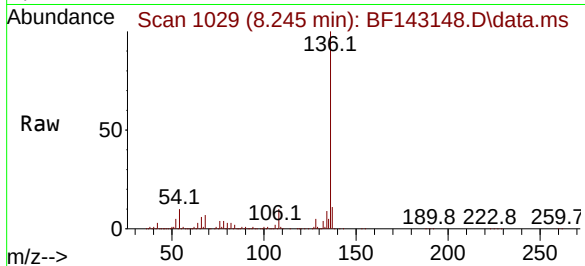




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

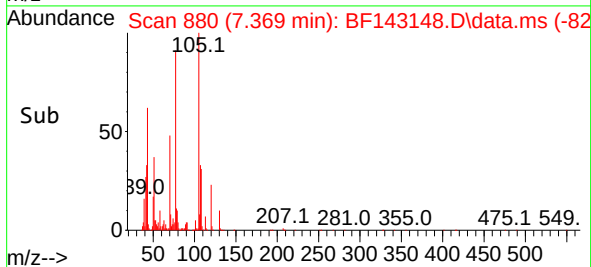
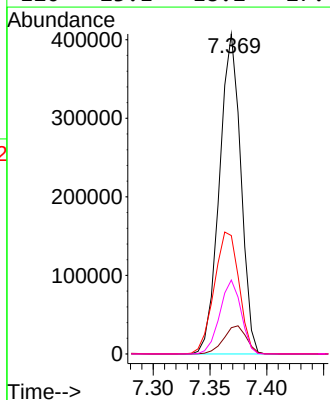
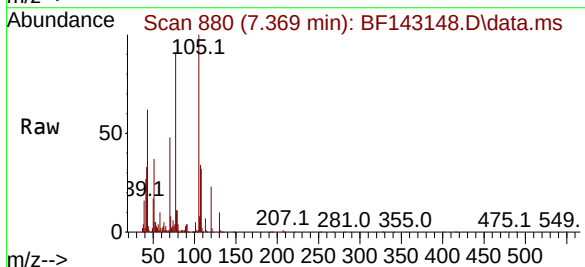
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

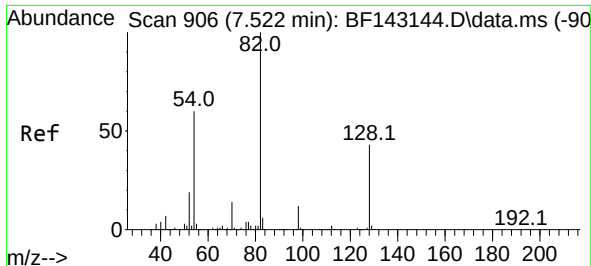
Tgt Ion:	136	Resp:	559677
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.2	12.2
68	6.9	5.4	8.2



#22
Acetophenone
Concen: 40.260 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:	105	Resp:	533464
Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.8	8.6
51	37.0	30.2	45.2
120	23.1	18.2	27.4





#23

Nitrobenzene-d5

Concen: 72.247 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

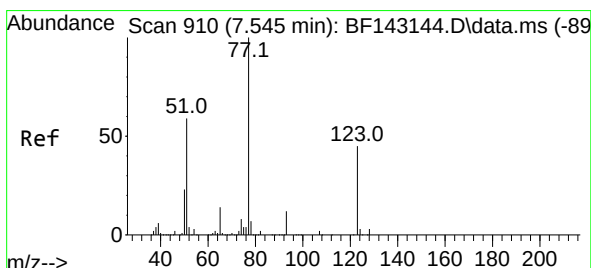
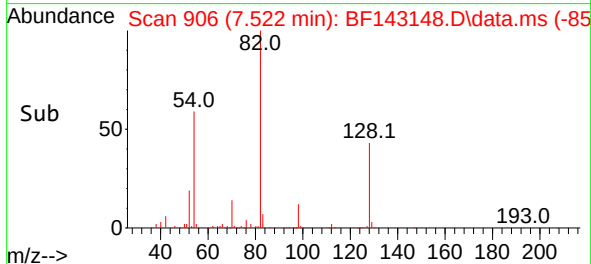
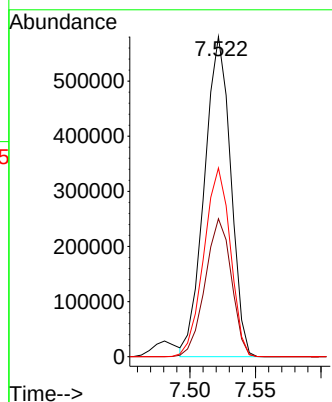
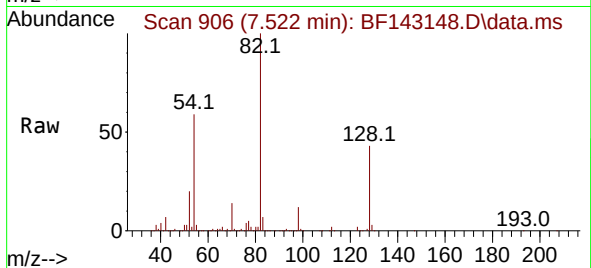
Tgt Ion: 82 Resp: 811178

Ion Ratio Lower Upper

82 100

128 43.1 33.6 50.4

54 58.9 47.1 70.7



#24

Nitrobenzene

Concen: 41.731 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

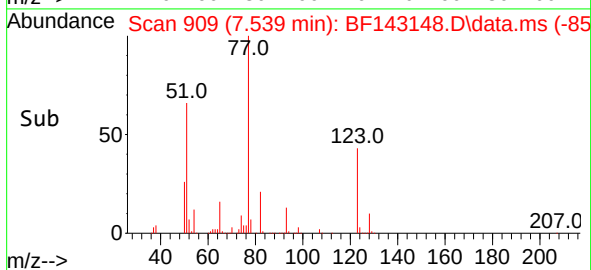
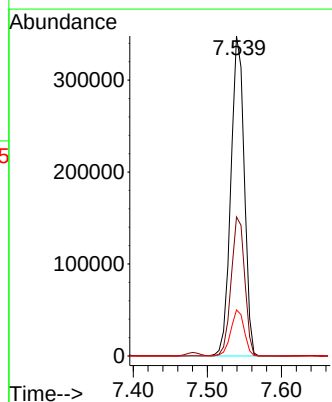
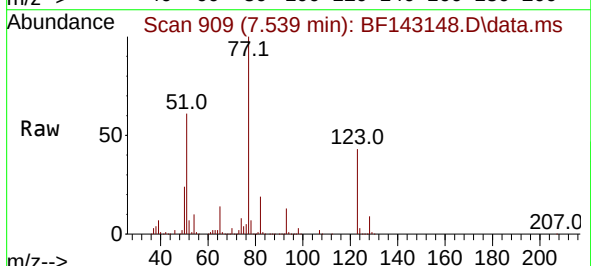
Tgt Ion: 77 Resp: 436834

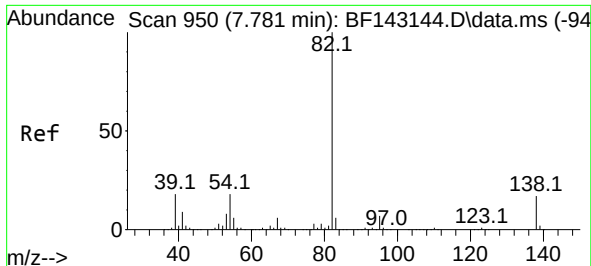
Ion Ratio Lower Upper

77 100

123 43.5 36.1 54.1

65 14.4 11.4 17.2

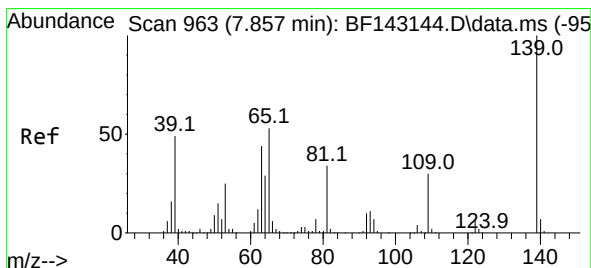
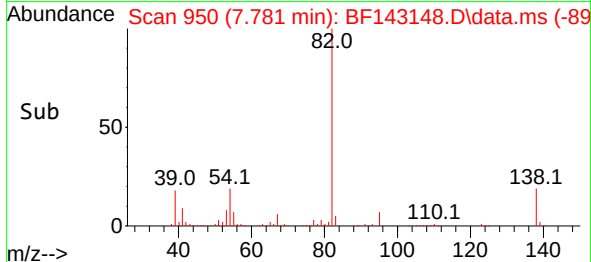
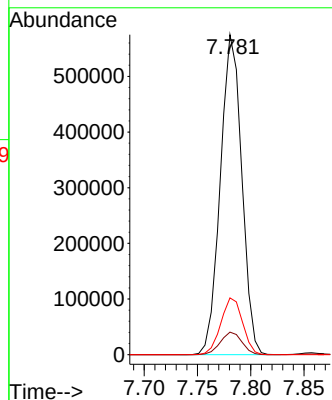
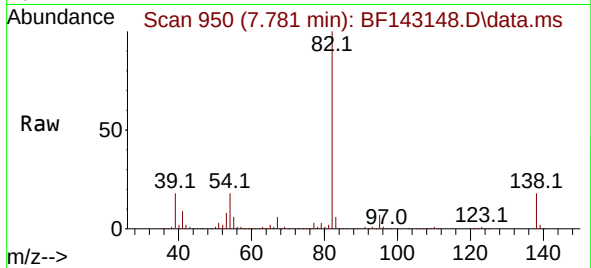




#25
Isophorone
Concen: 40.567 ng
RT: 7.781 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

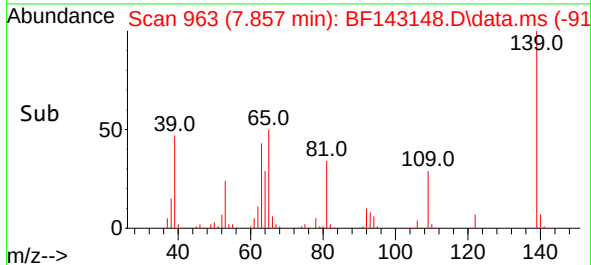
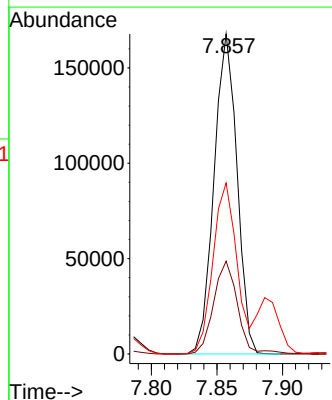
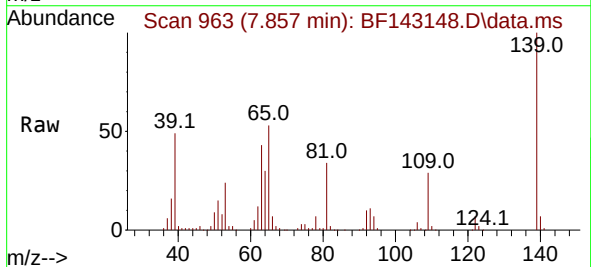
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

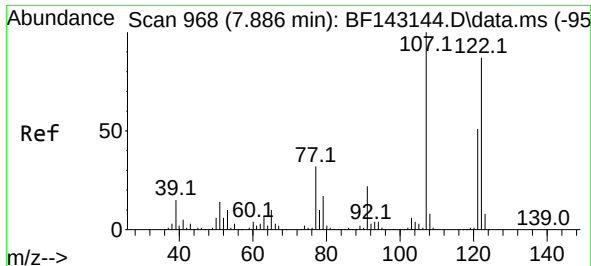
Tgt Ion: 82 Resp: 804071
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 17.8 13.8 20.8



#26
2-Nitrophenol
Concen: 44.896 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:139 Resp: 203967
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 53.4 42.6 64.0

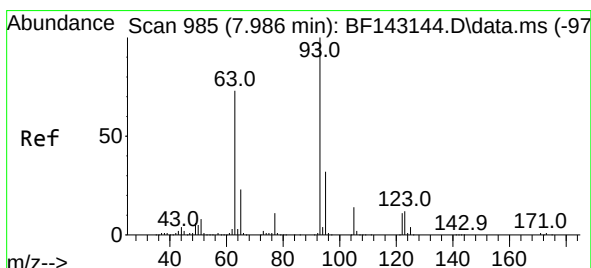
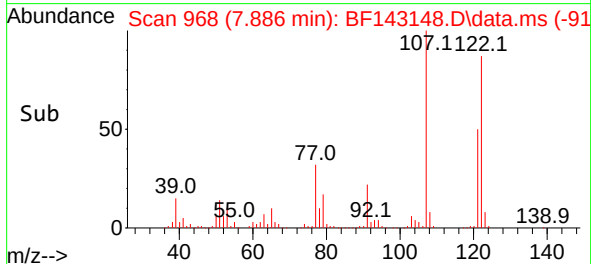
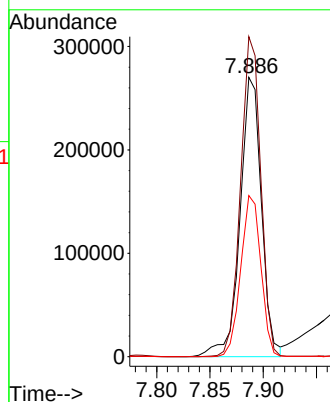
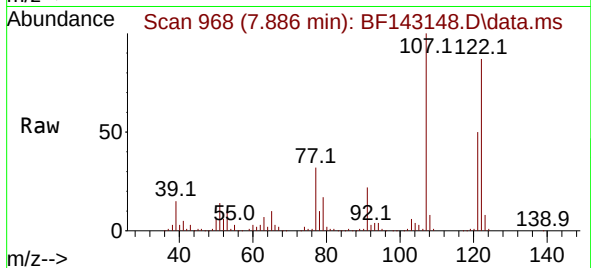




#27
2,4-Dimethylphenol
Concen: 40.773 ng
RT: 7.886 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

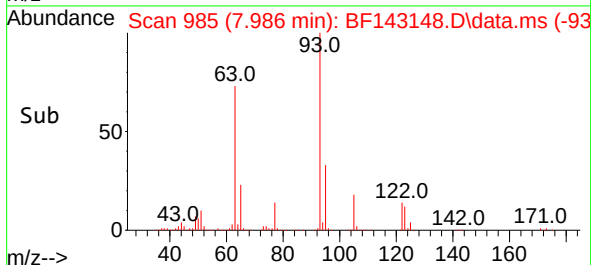
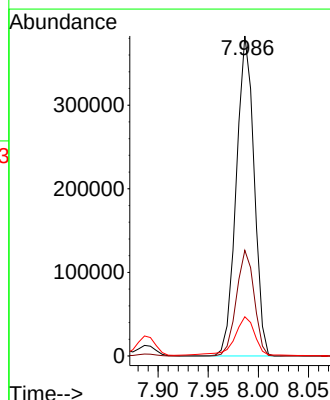
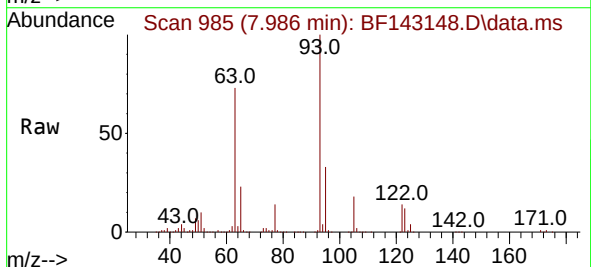
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

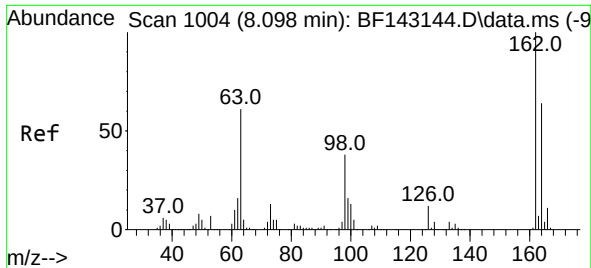
Tgt Ion:122 Resp: 377575
Ion Ratio Lower Upper
122 100
107 114.6 91.8 137.6
121 57.7 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 39.939 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 93 Resp: 474637
Ion Ratio Lower Upper
93 100
95 33.0 25.8 38.6
123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 40.875 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

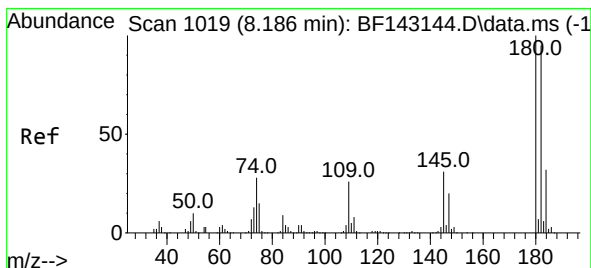
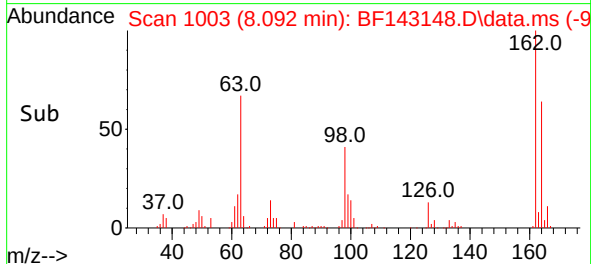
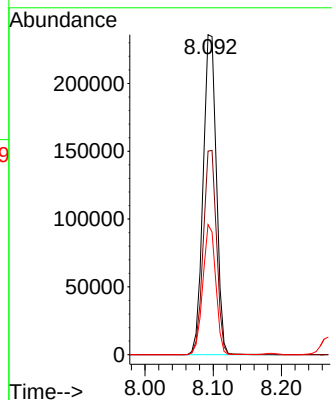
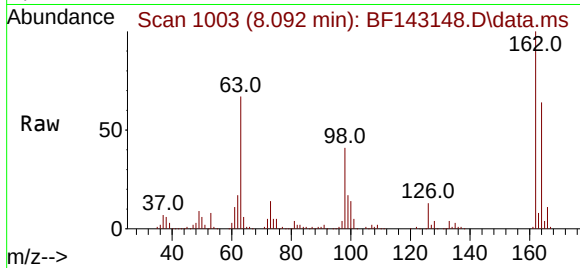
Tgt Ion:162 Resp: 319216

Ion Ratio Lower Upper

162 100

164 63.6 44.2 84.2

98 40.7 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 40.551 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

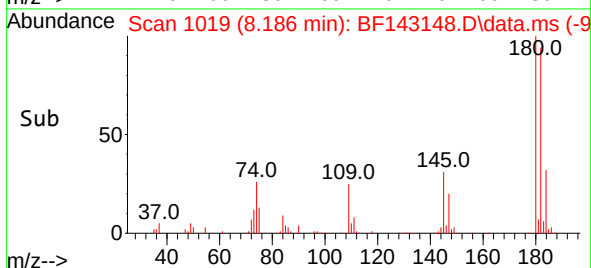
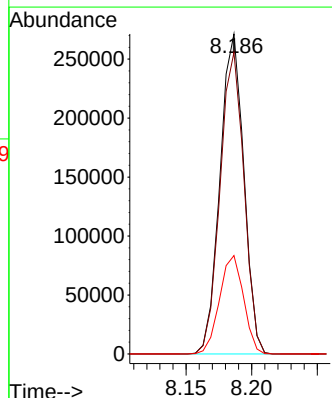
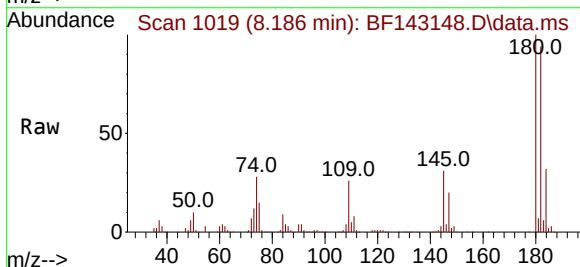
Tgt Ion:180 Resp: 342135

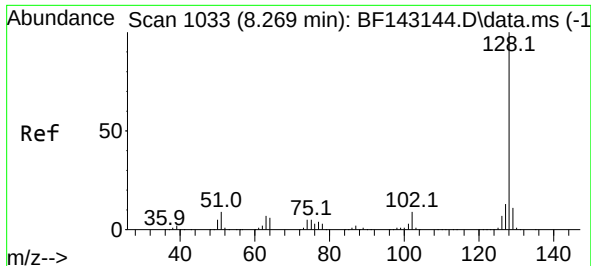
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

145 30.8 25.0 37.6

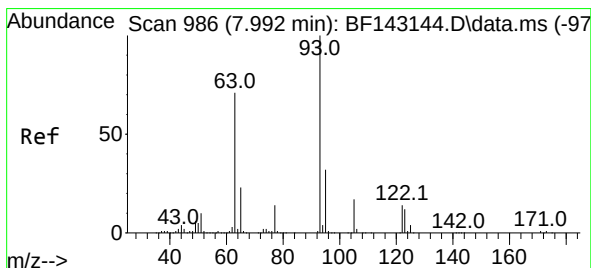
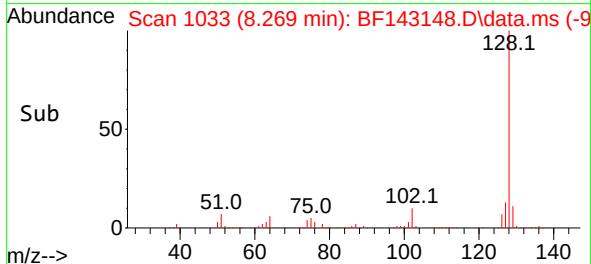
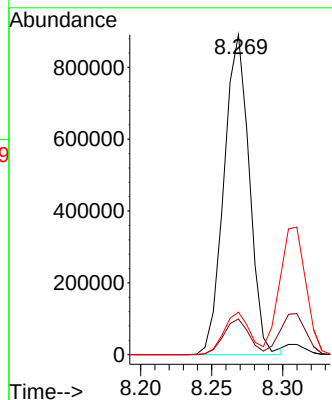
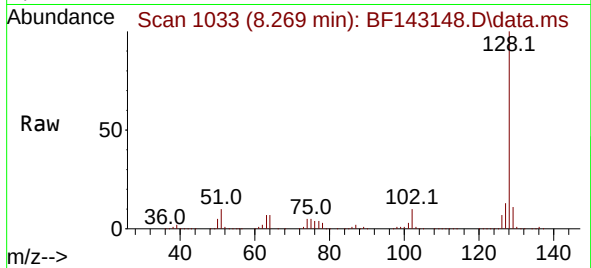




#31
Naphthalene
Concen: 40.143 ng
RT: 8.269 min Scan# 1033
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

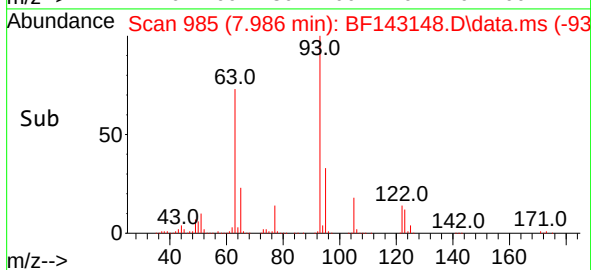
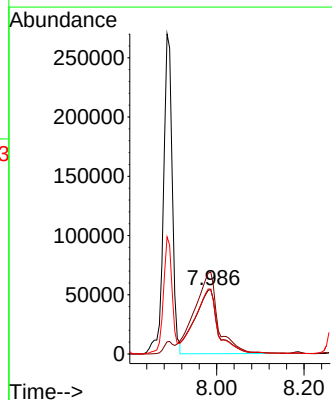
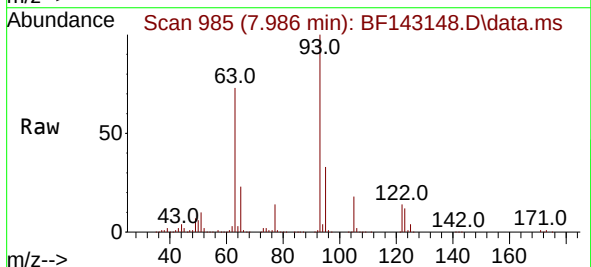
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

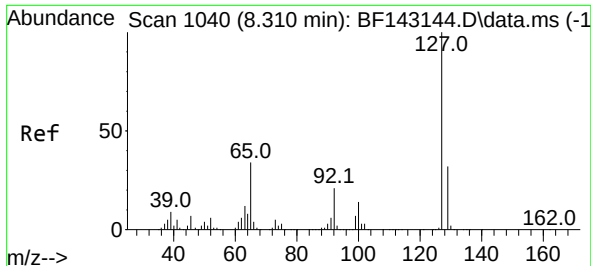
Tgt Ion:128 Resp: 1106482
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 39.782 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:122 Resp: 202337
Ion Ratio Lower Upper
122 100
105 127.2 104.8 144.8
77 100.3 77.6 117.6

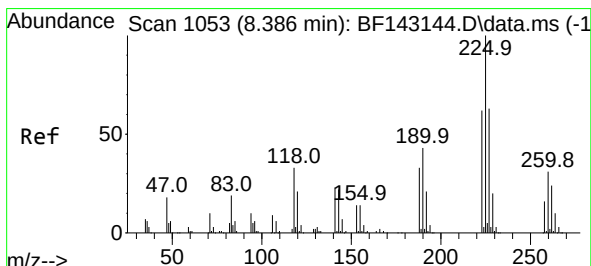
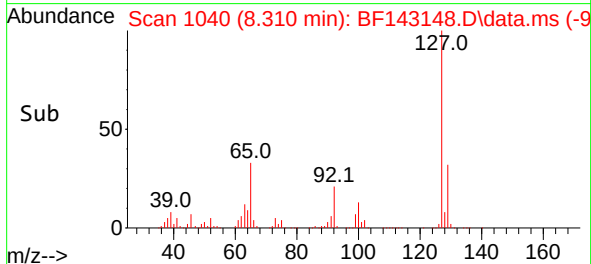
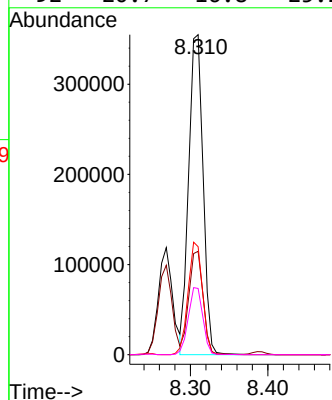
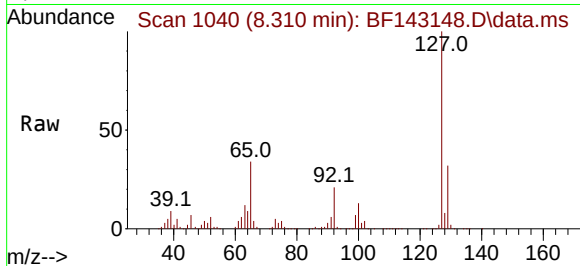




#33
4-Chloroaniline
Concen: 40.671 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

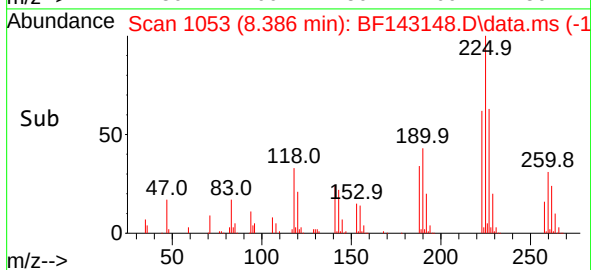
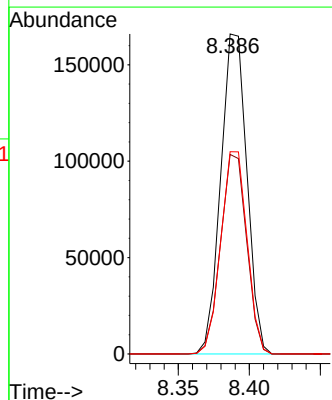
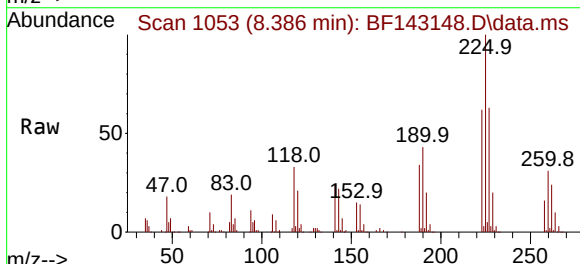
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

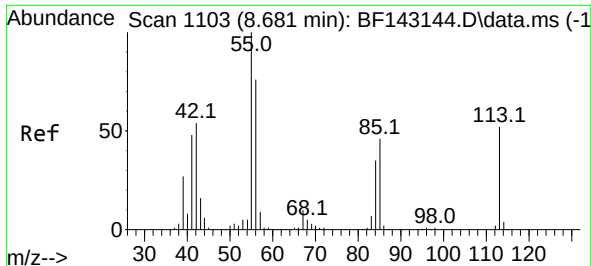
Tgt Ion:	127	Resp:	457742
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	33.8	27.4	41.2
92	20.7	16.8	25.2



#34
Hexachlorobutadiene
Concen: 41.284 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:	225	Resp:	212781
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	63.2	50.2	75.4

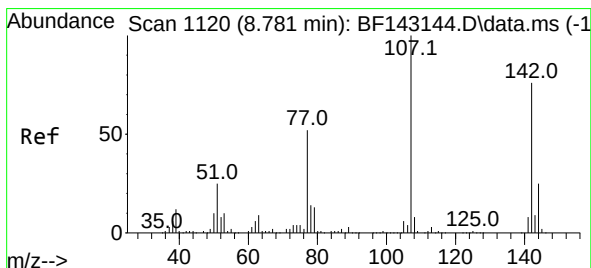
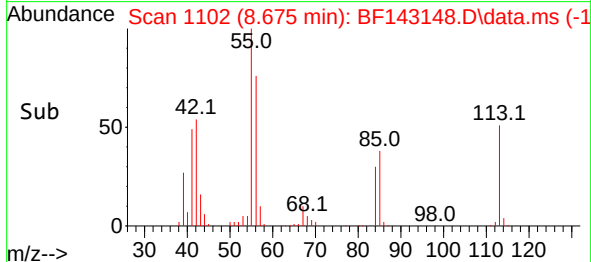
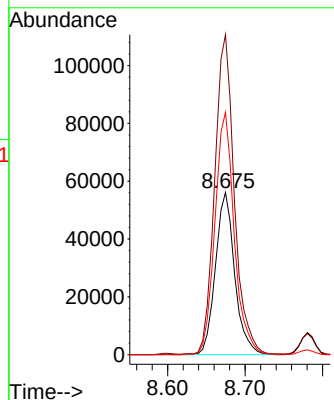
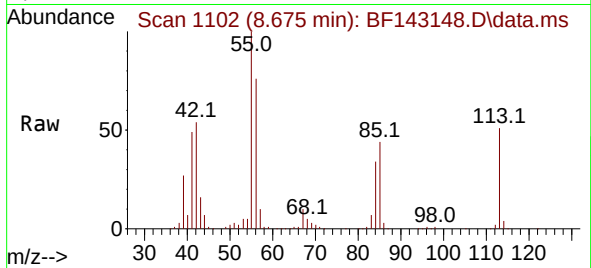




#35
 Caprolactam
 Concen: 40.959 ng
 RT: 8.675 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: BF143148.D
 Acq: 17 Jul 2025 15:06

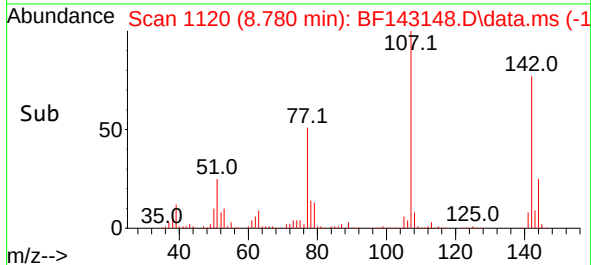
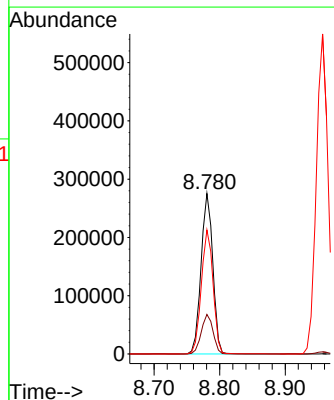
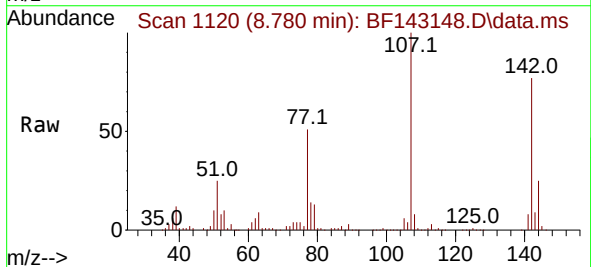
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

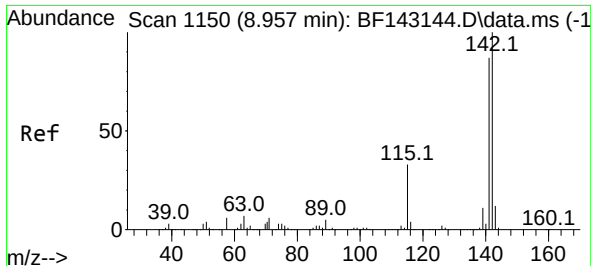
Tgt Ion:113 Resp: 96661
 Ion Ratio Lower Upper
 113 100
 55 197.3 174.0 214.0
 56 149.4 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 40.611 ng
 RT: 8.780 min Scan# 1120
 Delta R.T. -0.000 min
 Lab File: BF143148.D
 Acq: 17 Jul 2025 15:06

Tgt Ion:107 Resp: 344726
 Ion Ratio Lower Upper
 107 100
 144 24.6 19.8 29.6
 142 77.3 60.6 90.8

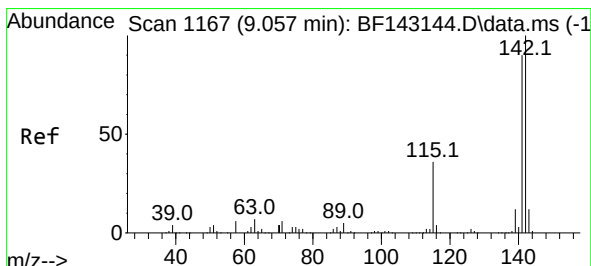
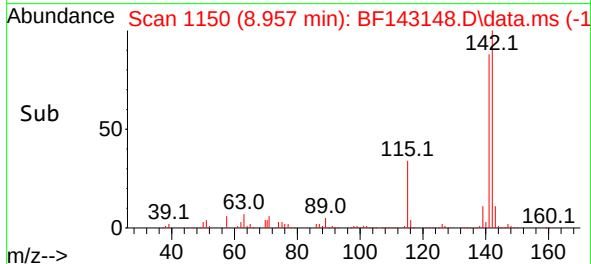
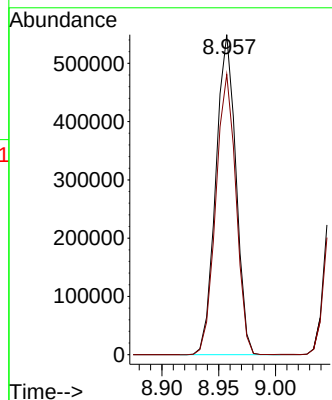
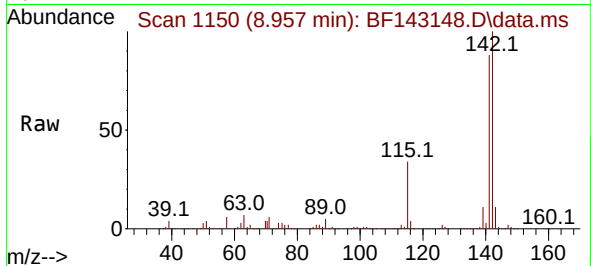




#37
2-Methylnaphthalene
Concen: 40.279 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

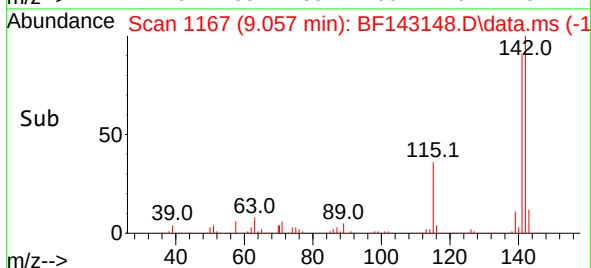
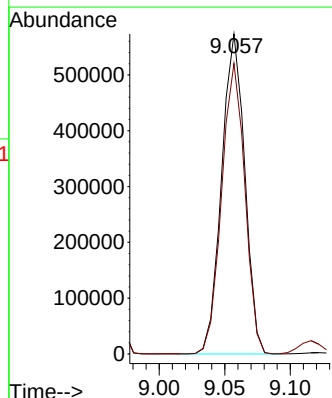
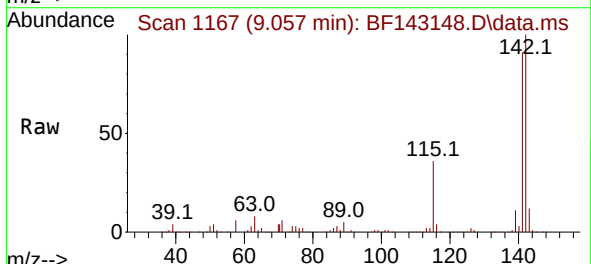
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

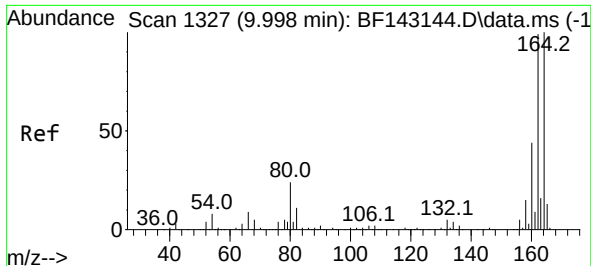
Tgt Ion:142 Resp: 675594
Ion Ratio Lower Upper
142 100
141 87.6 69.9 104.9



#38
1-Methylnaphthalene
Concen: 40.712 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:142 Resp: 703170
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5

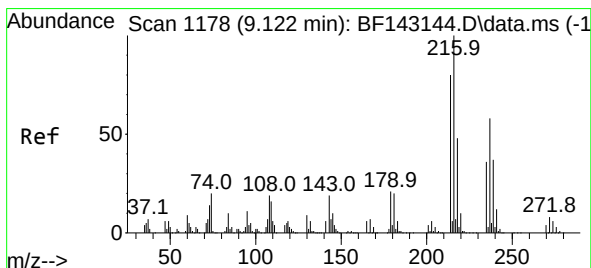
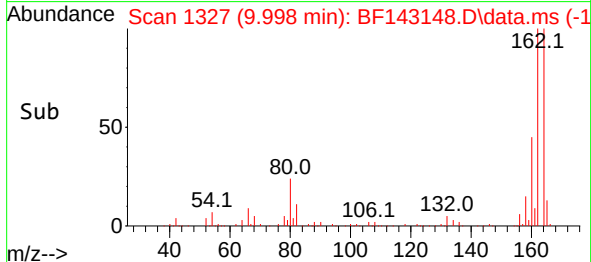
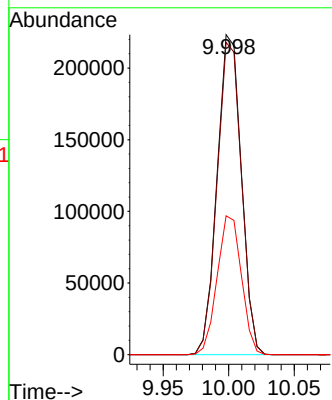
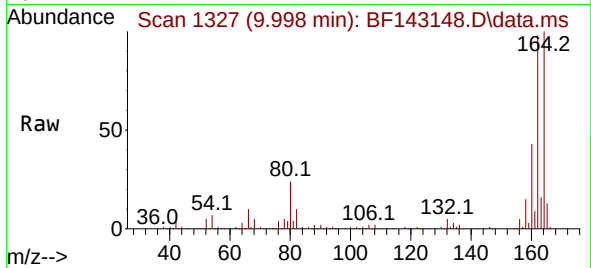




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

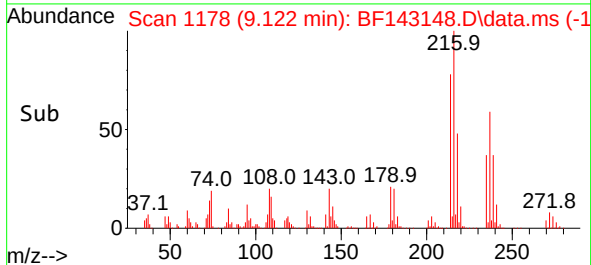
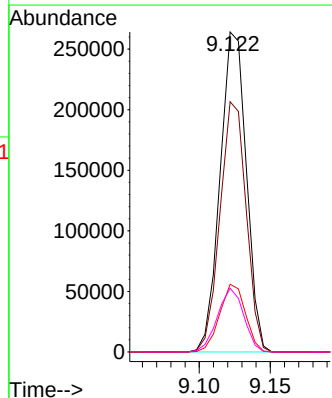
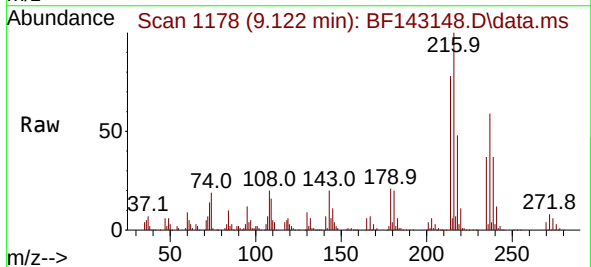
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

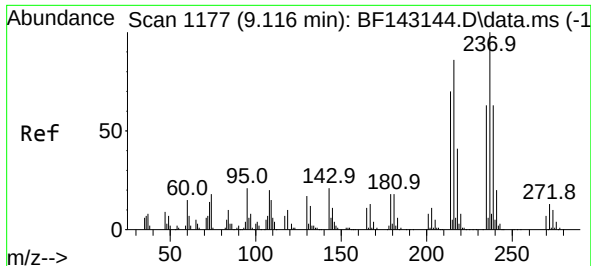
Tgt Ion:164 Resp: 287255
Ion Ratio Lower Upper
164 100
162 97.5 79.0 118.6
160 43.4 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.944 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:216 Resp: 339567
Ion Ratio Lower Upper
216 100
214 77.8 63.8 95.8
179 20.8 16.4 24.6
108 19.9 15.6 23.4

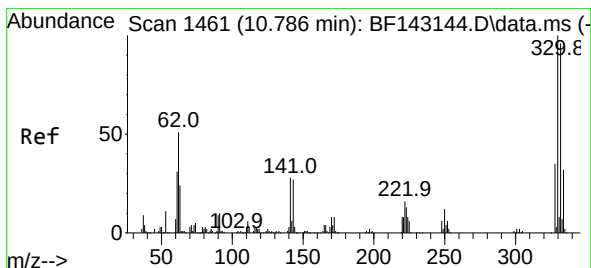
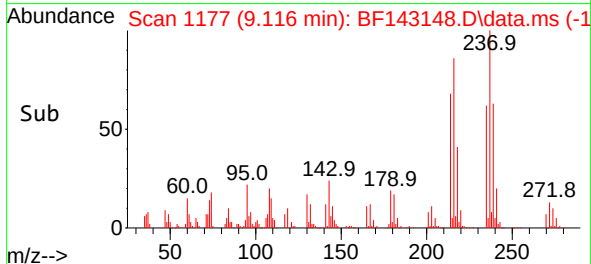
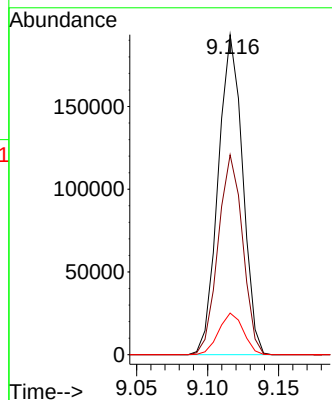
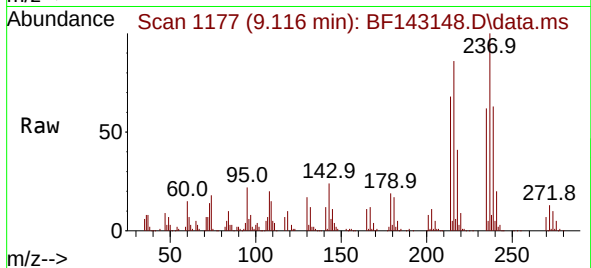




#41
Hexachlorocyclopentadiene
Concen: 42.872 ng
RT: 9.116 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

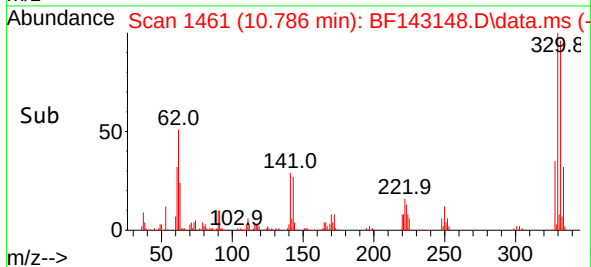
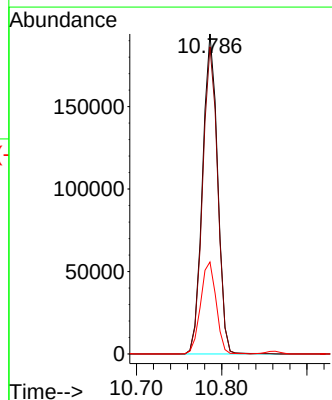
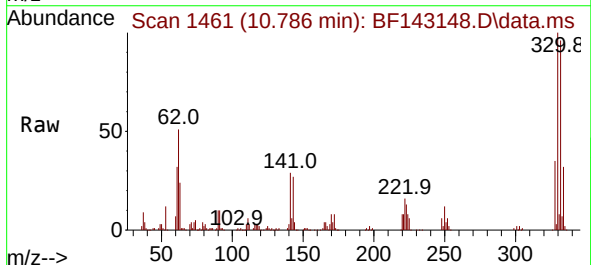
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

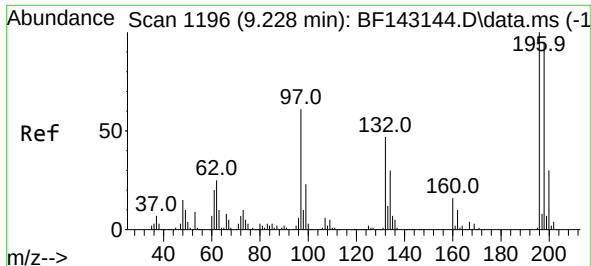
Tgt Ion:237 Resp: 231349
Ion Ratio Lower Upper
237 100
235 62.5 43.0 83.0
272 13.0 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 79.969 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:330 Resp: 237309
Ion Ratio Lower Upper
330 100
332 96.0 76.7 115.1
141 29.8 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 40.253 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

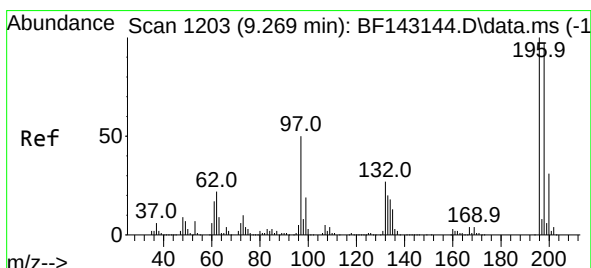
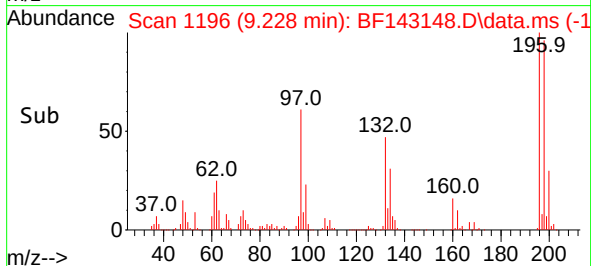
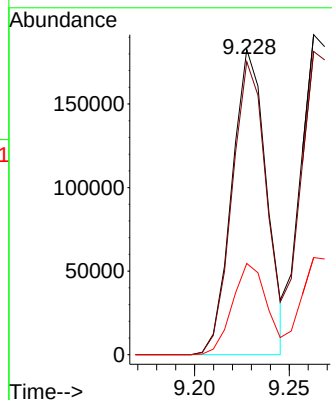
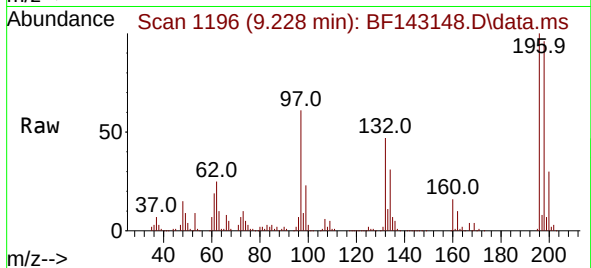
Tgt Ion:196 Resp: 231043

Ion Ratio Lower Upper

196 100

198 95.9 76.2 114.2

200 29.9 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 42.989 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Tgt Ion:196 Resp: 246820

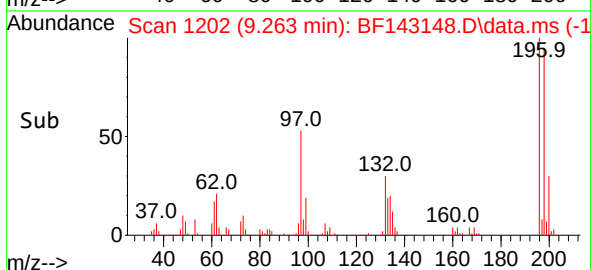
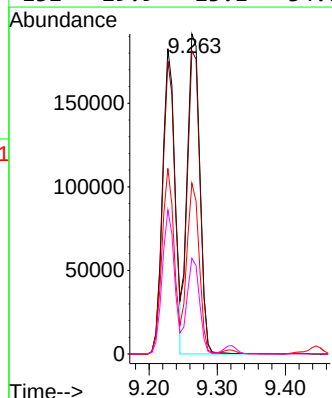
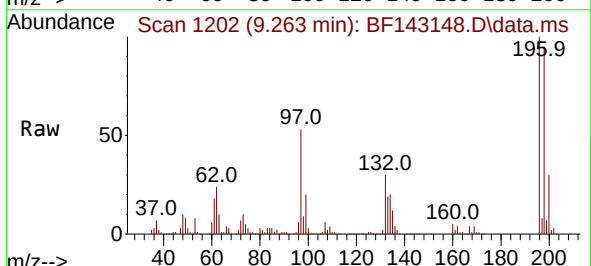
Ion Ratio Lower Upper

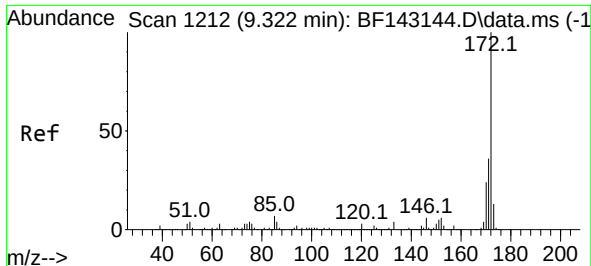
196 100

198 94.8 77.3 115.9

97 53.3 40.3 60.5

132 29.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 68.992 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

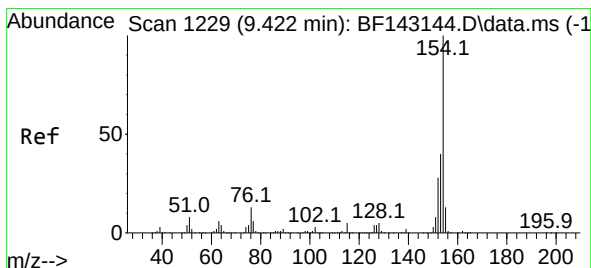
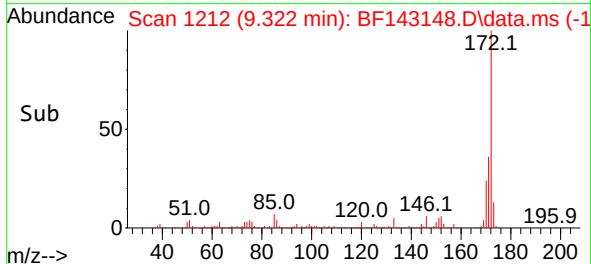
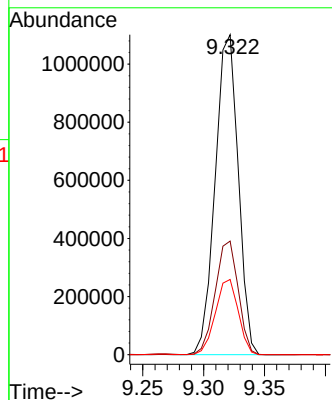
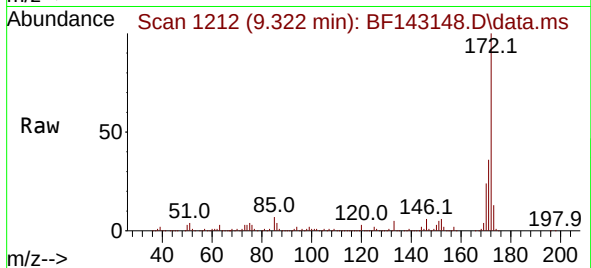
Tgt Ion:172 Resp: 1449098

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 41.053 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

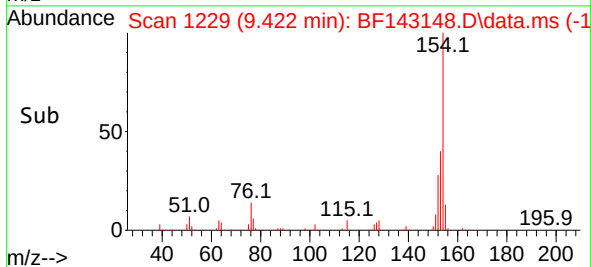
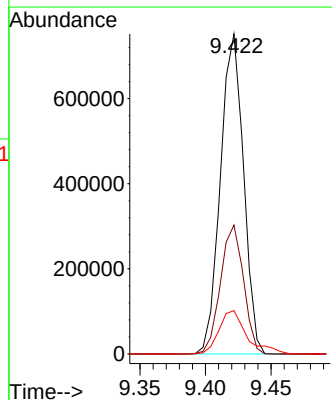
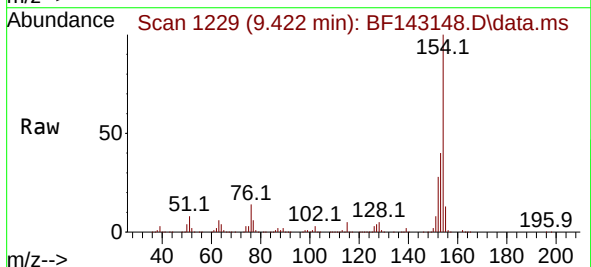
Tgt Ion:154 Resp: 920059

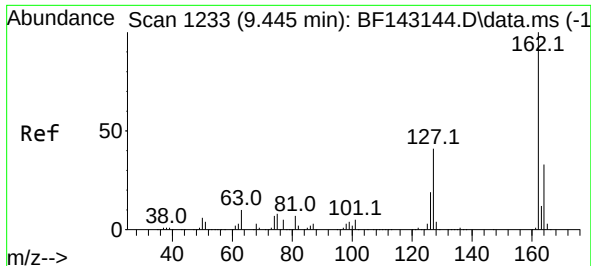
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 13.5 0.0 33.3





#47

2-Chloronaphthalene

Concen: 40.184 ng

RT: 9.445 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

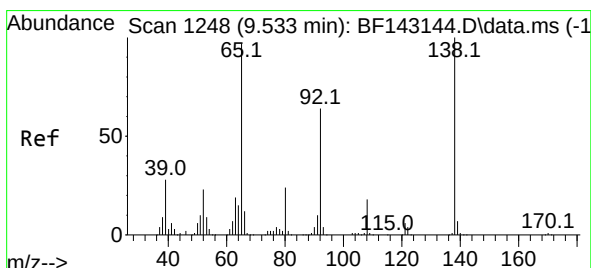
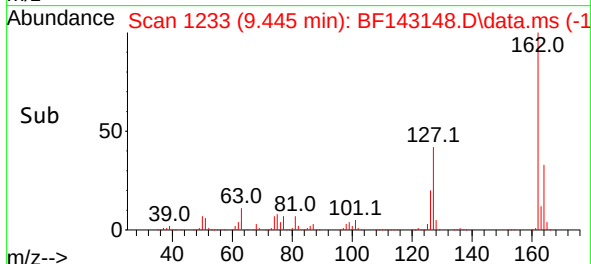
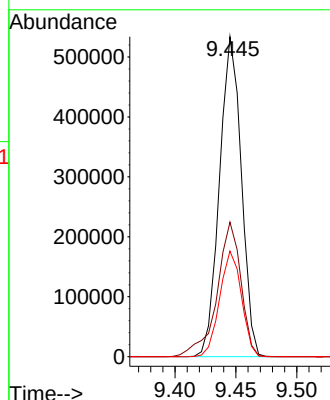
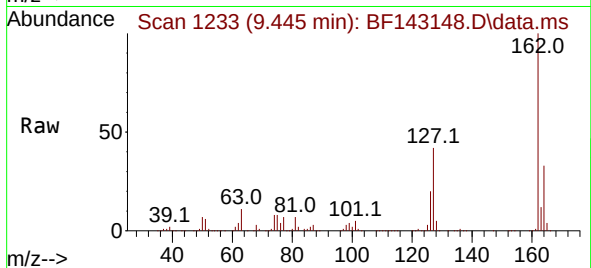
Tgt Ion:162 Resp: 666359

Ion Ratio Lower Upper

162 100

127 42.0 33.4 50.2

164 33.0 26.2 39.2



#48

2-Nitroaniline

Concen: 43.723 ng

RT: 9.533 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

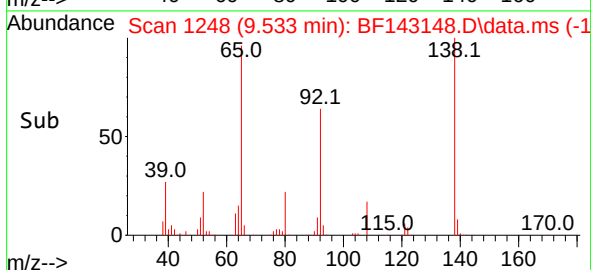
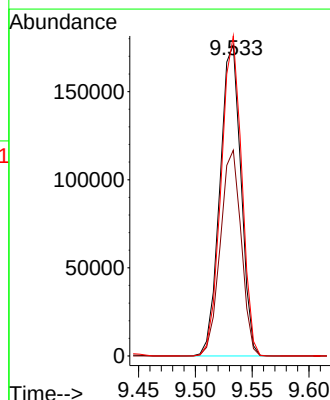
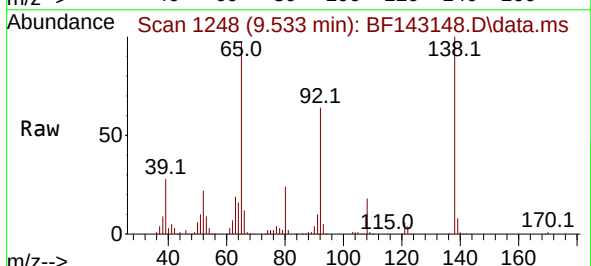
Tgt Ion: 65 Resp: 227376

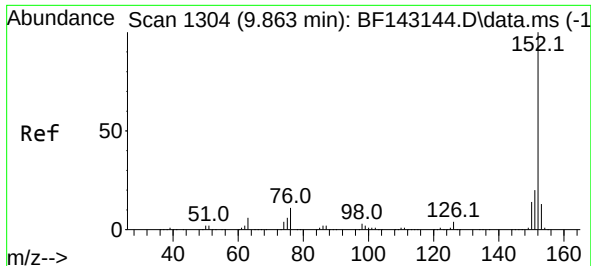
Ion Ratio Lower Upper

65 100

92 66.2 52.4 78.6

138 102.9 82.3 123.5

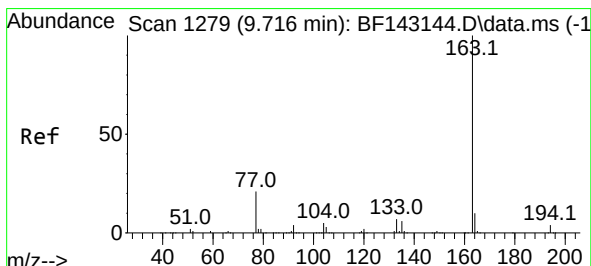
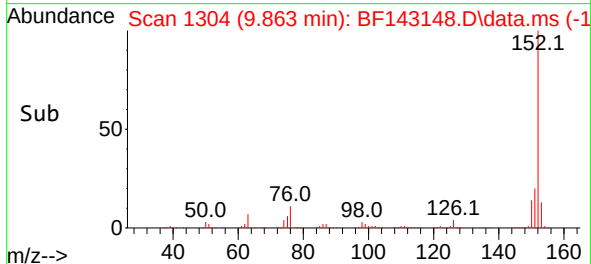
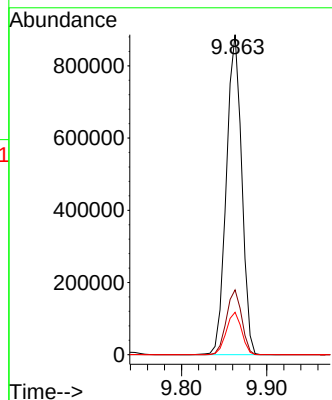
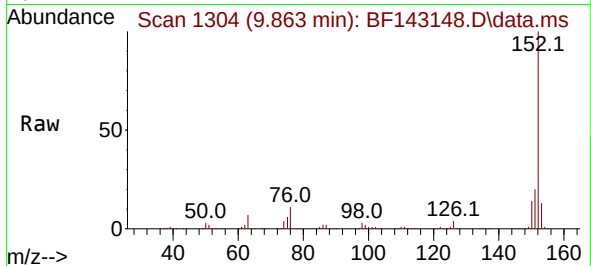




#49
Acenaphthylene
Concen: 40.013 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

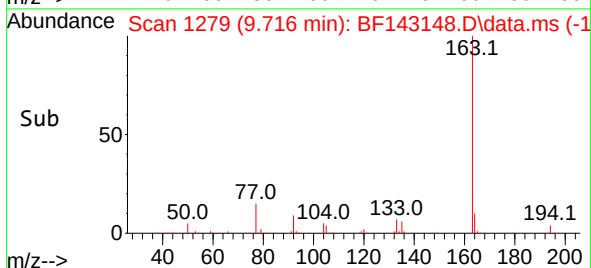
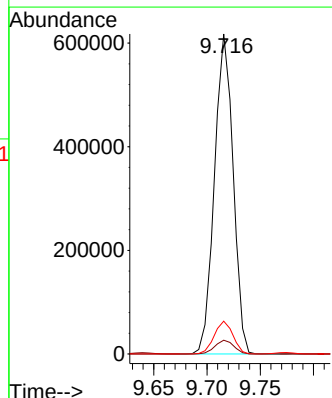
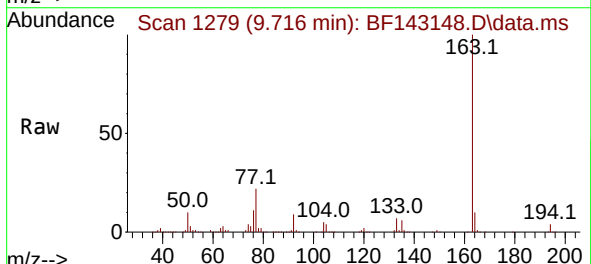
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

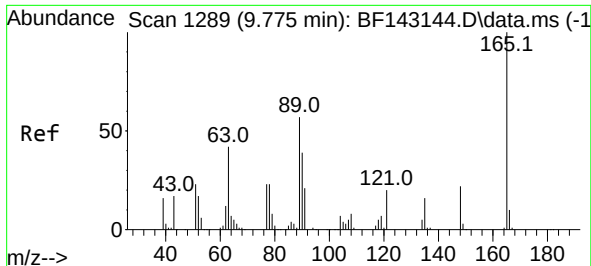
Tgt Ion:152 Resp: 1111992
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.3 10.6 16.0



#50
Dimethylphthalate
Concen: 40.218 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:163 Resp: 753041
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.2 8.3 12.5

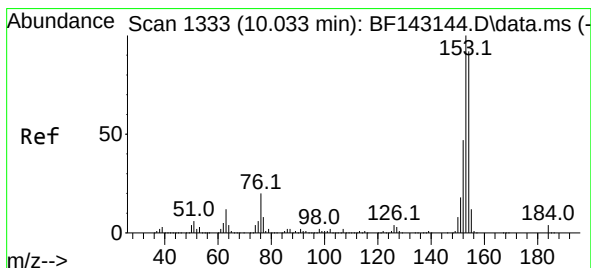
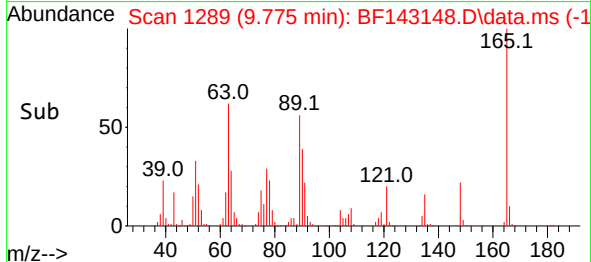
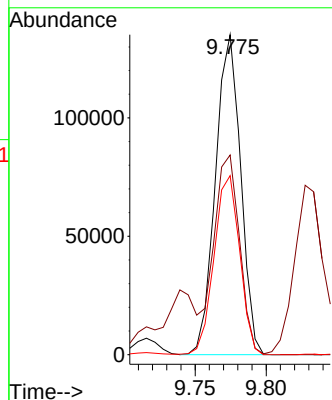
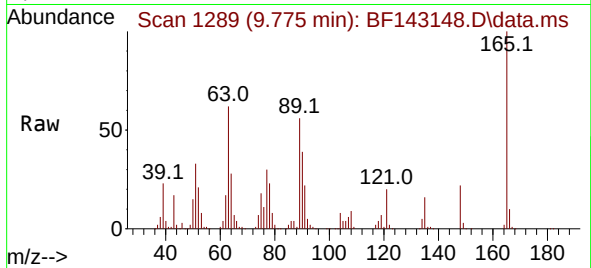




#51
2,6-Dinitrotoluene
Concen: 43.820 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

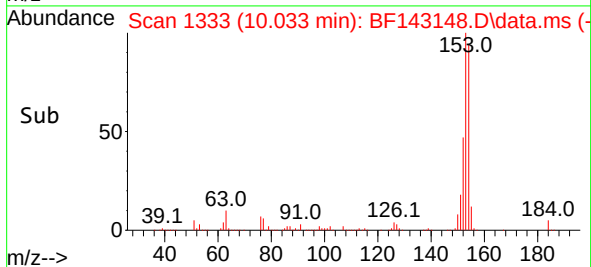
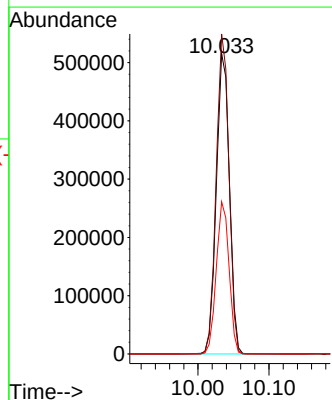
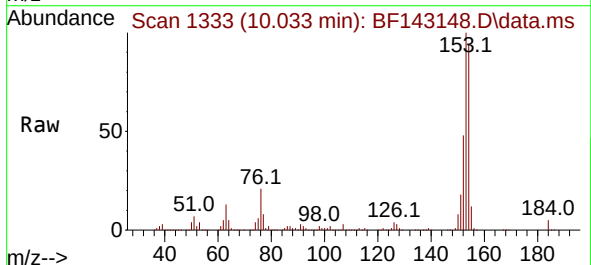
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

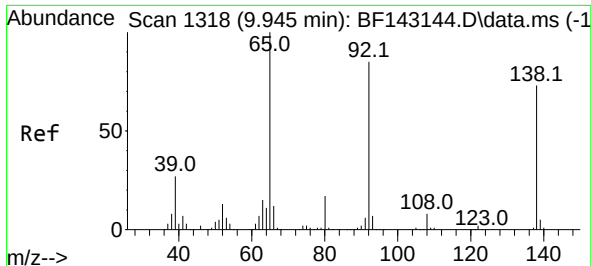
Tgt Ion:165 Resp: 166911
Ion Ratio Lower Upper
165 100
63 62.4 49.4 74.2
89 56.0 46.2 69.2



#52
Acenaphthene
Concen: 40.176 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:154 Resp: 659908
Ion Ratio Lower Upper
154 100
153 106.6 86.6 129.8
152 50.7 40.4 60.6

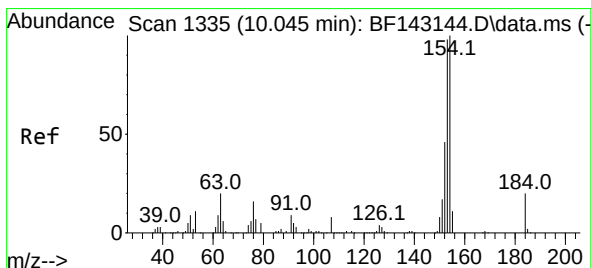
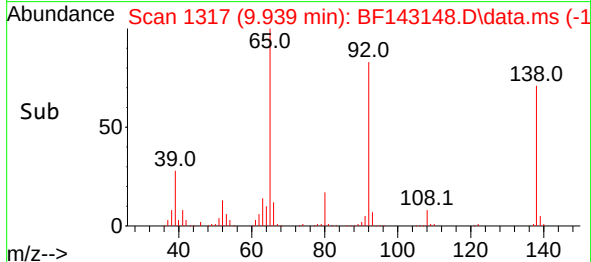
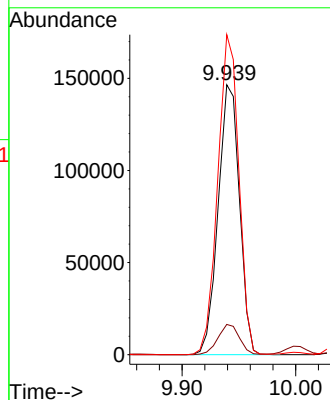
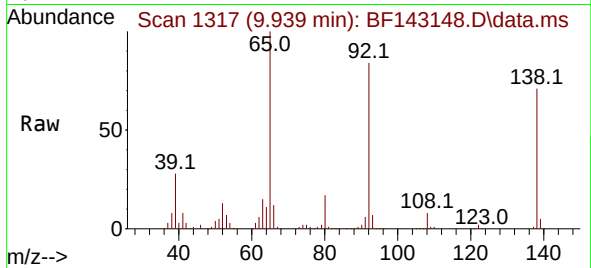




#53
3-Nitroaniline
Concen: 42.985 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

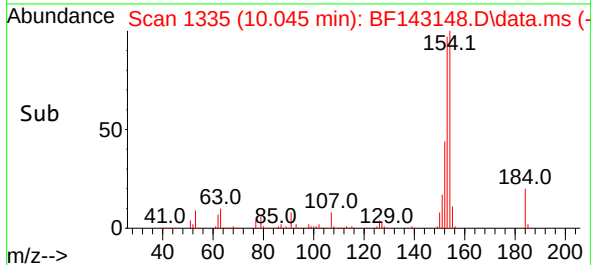
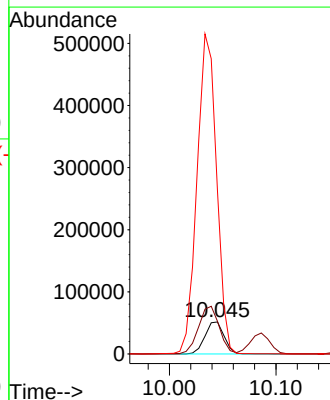
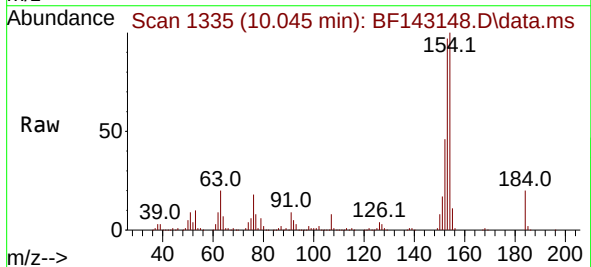
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

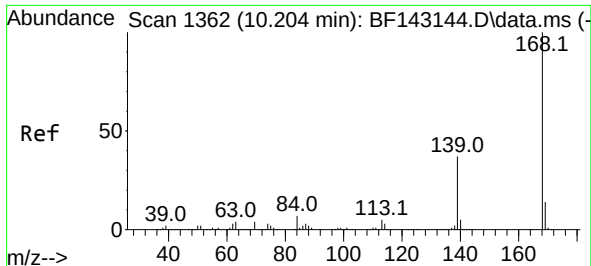
Tgt Ion:138 Resp: 191512
Ion Ratio Lower Upper
138 100
108 11.2 9.0 13.6
92 118.6 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 40.998 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:184 Resp: 64659
Ion Ratio Lower Upper
184 100
63 102.3 81.8 122.6
154 509.4 412.2 618.4

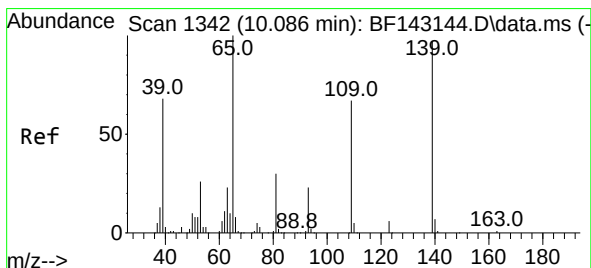
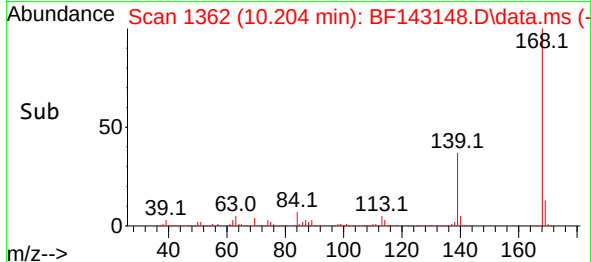
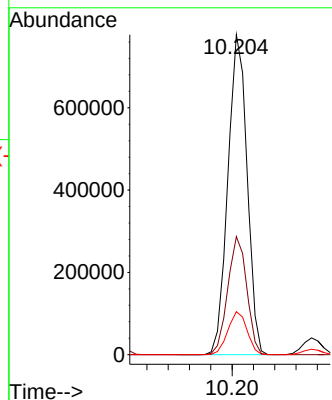
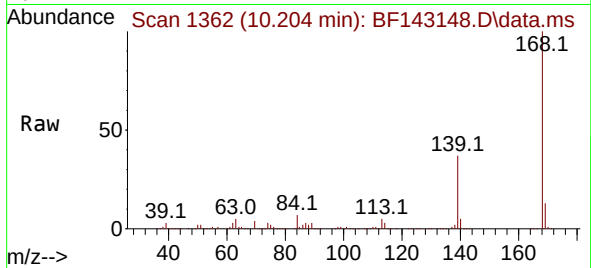




#55
Dibenzofuran
Concen: 39.981 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

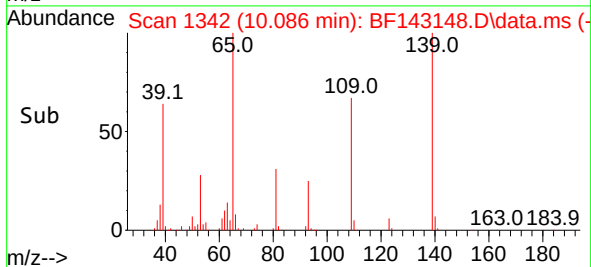
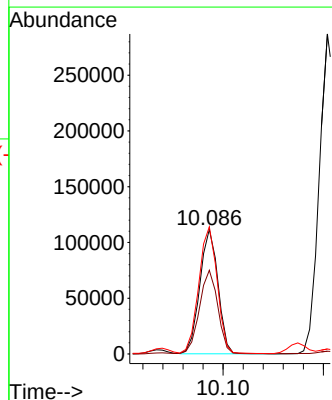
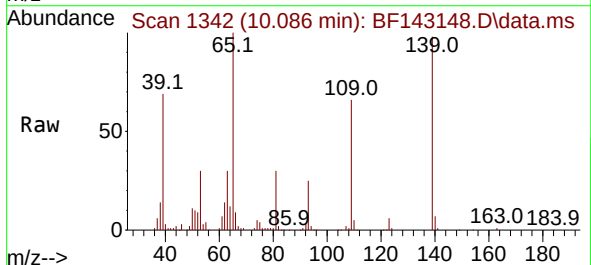
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

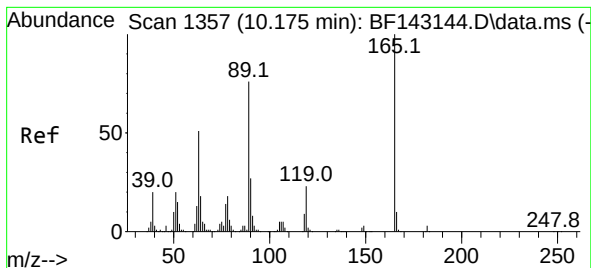
Tgt Ion:168 Resp: 974991
Ion Ratio Lower Upper
168 100
139 36.9 29.5 44.3
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 42.344 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:139 Resp: 140876
Ion Ratio Lower Upper
139 100
109 67.2 48.5 88.5
65 102.1 83.4 123.4

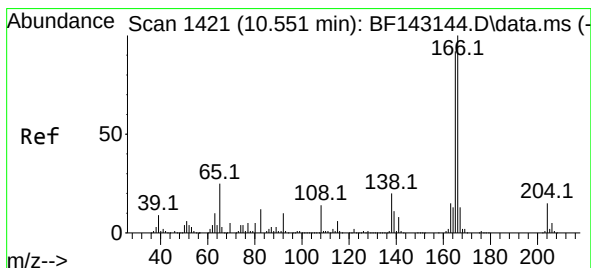
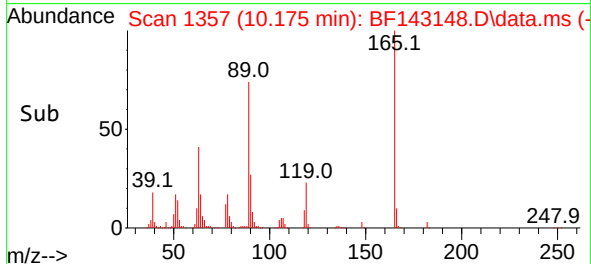
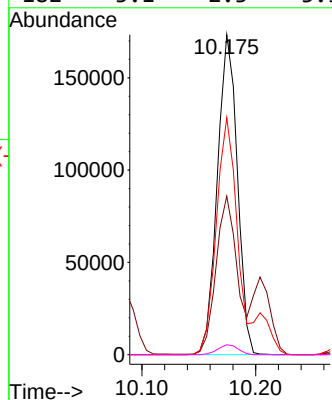
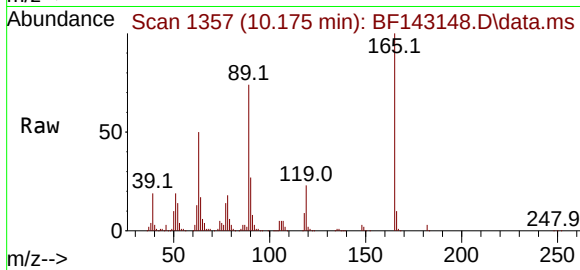




#57
2,4-Dinitrotoluene
Concen: 44.440 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

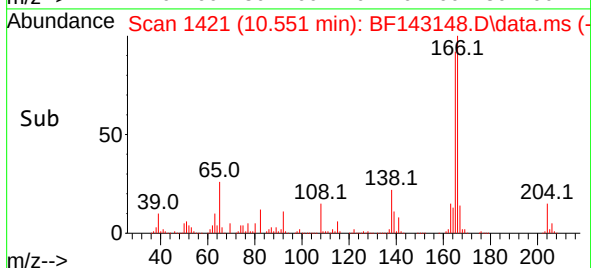
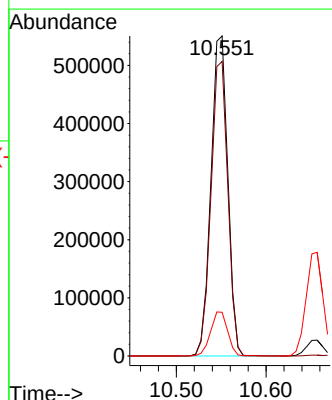
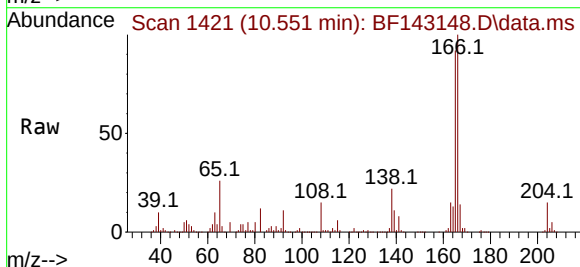
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

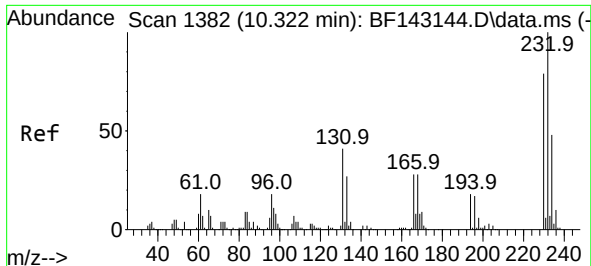
Tgt Ion:165 Resp: 212369
Ion Ratio Lower Upper
165 100
63 49.5 41.0 61.4
89 74.0 61.1 91.7
182 3.1 2.3 3.5



#58
Fluorene
Concen: 39.219 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:166 Resp: 717816
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.7 10.6 16.0

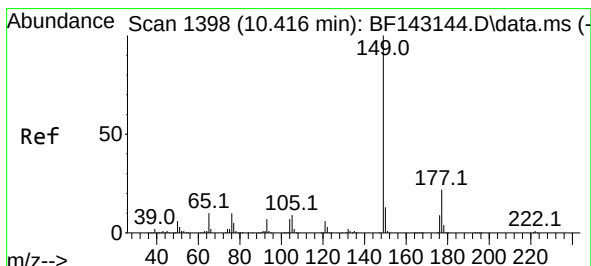
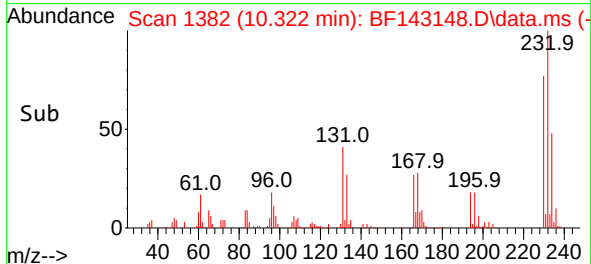
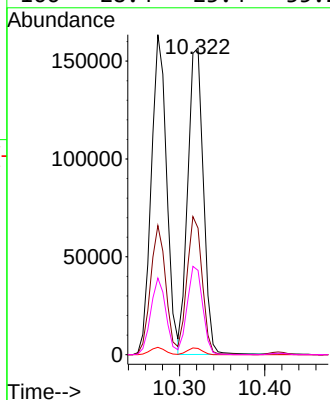
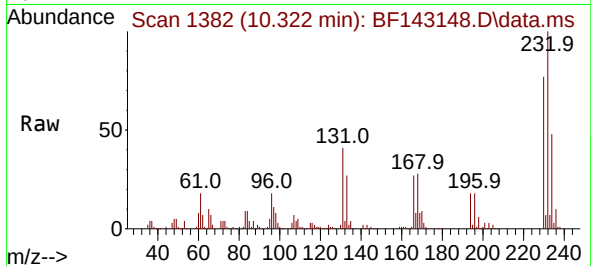




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.743 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

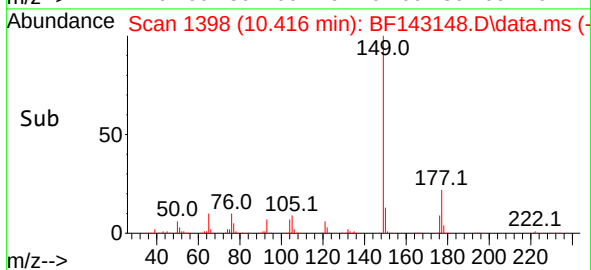
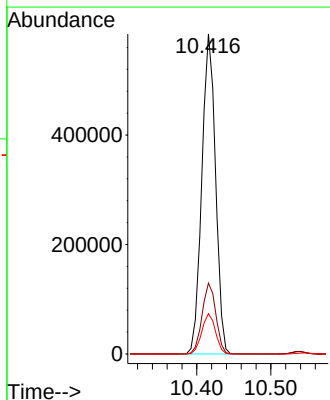
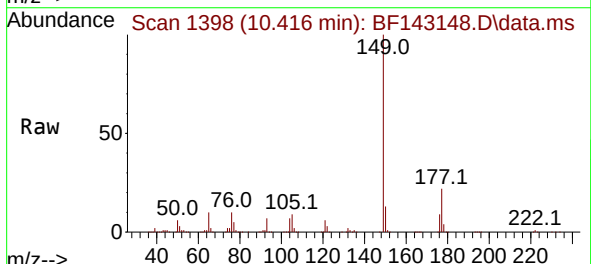
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

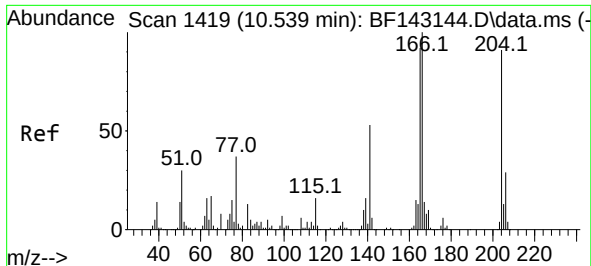
Tgt Ion:232 Resp: 198530
Ion Ratio Lower Upper
232 100
131 43.9 35.3 52.9
130 2.1 1.7 2.5
166 28.4 23.4 35.2



#60
Diethylphthalate
Concen: 40.729 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 753774
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.6 10.2 15.2

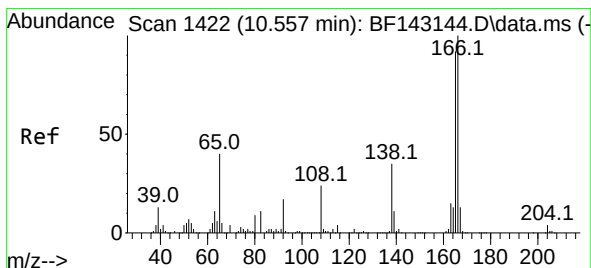
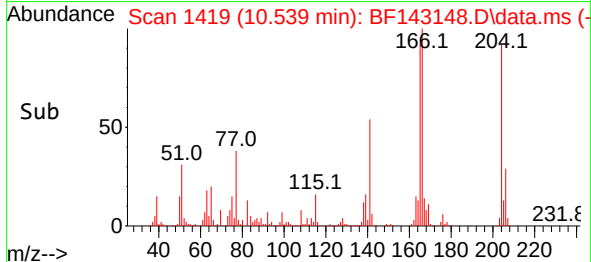
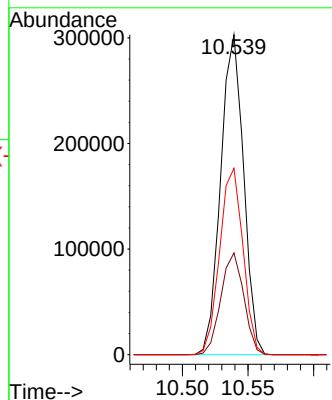
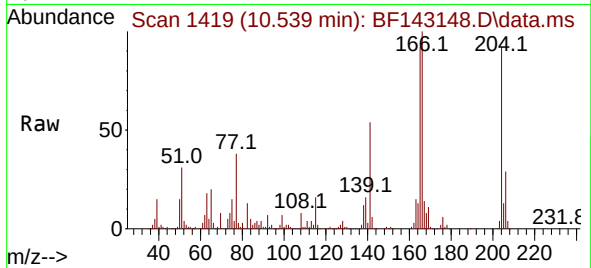




#61
4-Chlorophenyl-phenylether
Concen: 40.377 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

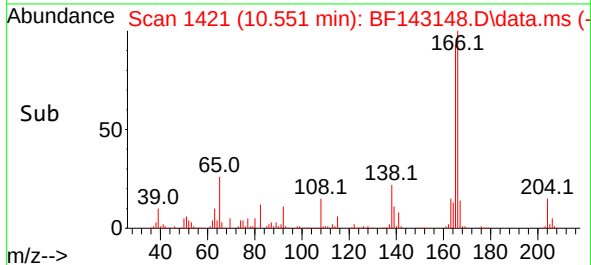
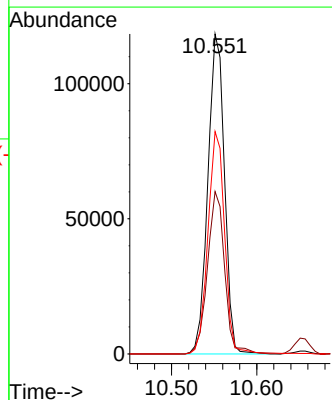
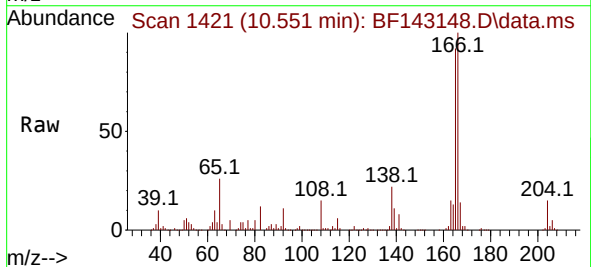
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

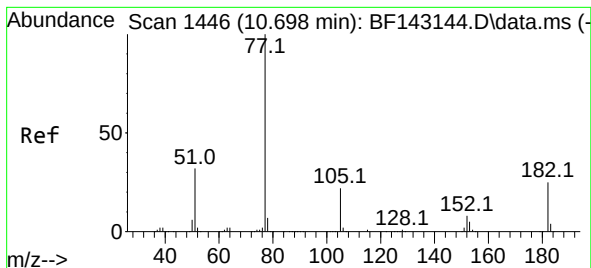
Tgt Ion:204 Resp: 367981
Ion Ratio Lower Upper
204 100
206 31.8 25.8 38.8
141 58.3 47.0 70.4



#62
4-Nitroaniline
Concen: 41.953 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:138 Resp: 160193
Ion Ratio Lower Upper
138 100
92 50.7 29.3 69.3
108 69.5 48.3 88.3





#63

Azobenzene

Concen: 40.414 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion: 77 Resp: 779524

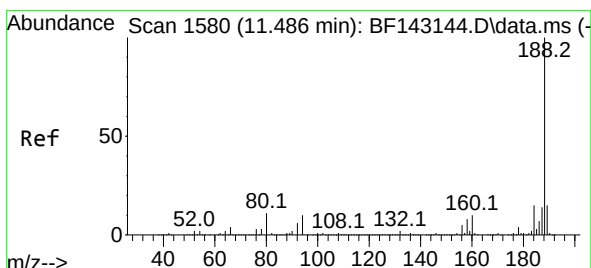
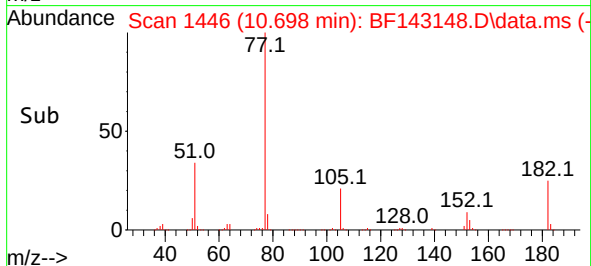
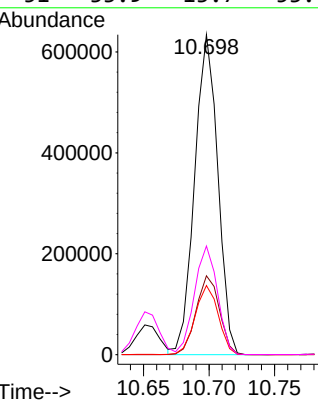
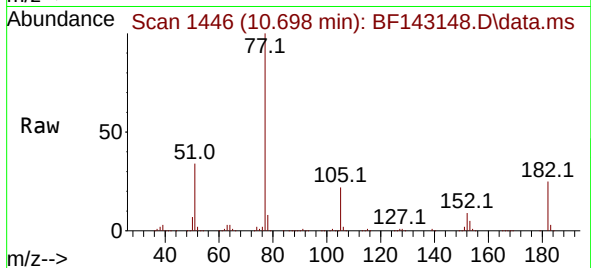
Ion Ratio Lower Upper

77 100

182 24.6 4.6 44.6

105 21.6 1.4 41.4

51 33.9 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

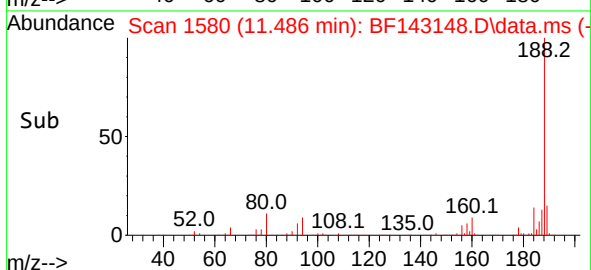
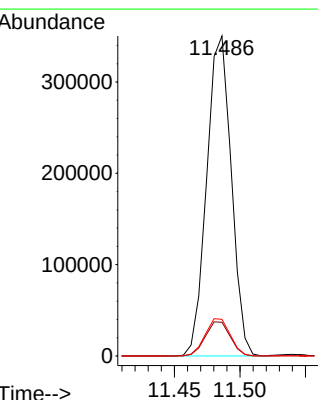
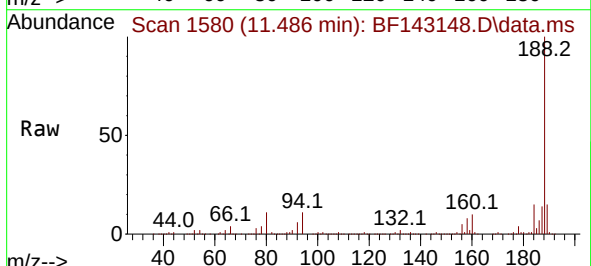
Tgt Ion:188 Resp: 457098

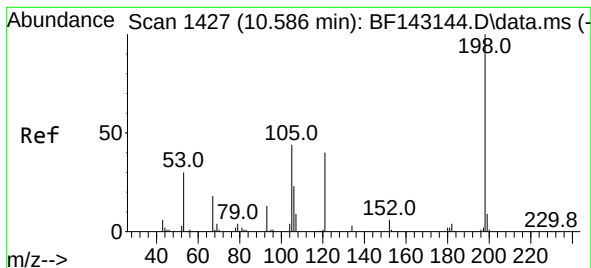
Ion Ratio Lower Upper

188 100

94 10.5 8.3 12.5

80 11.4 9.0 13.6

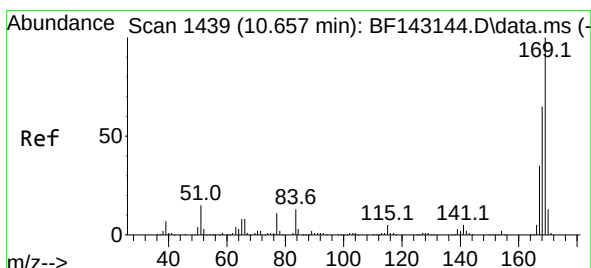
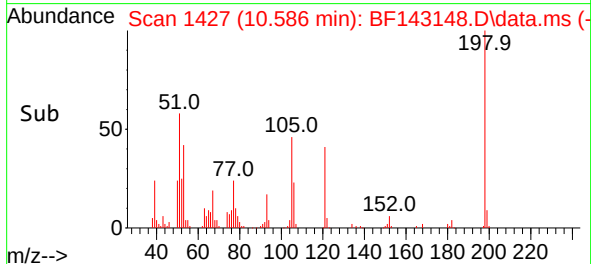
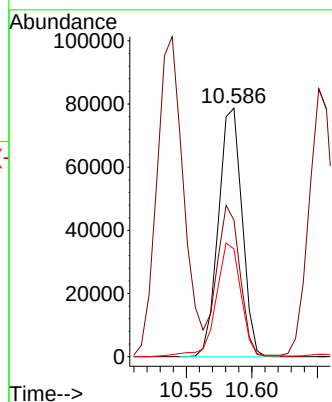
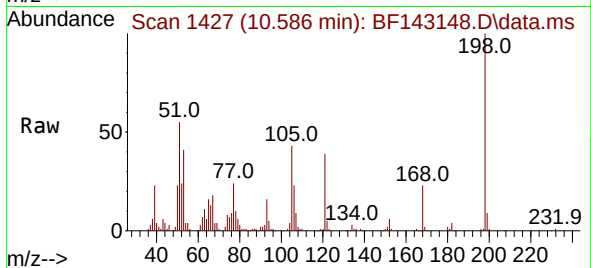




#65
4,6-Dinitro-2-methylphenol
Concen: 41.869 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

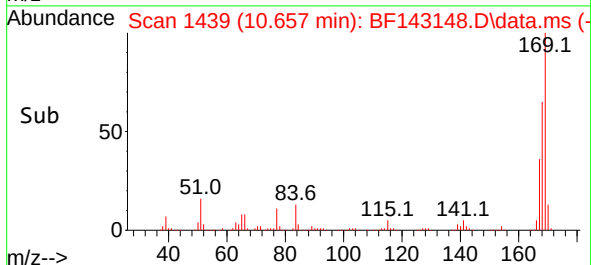
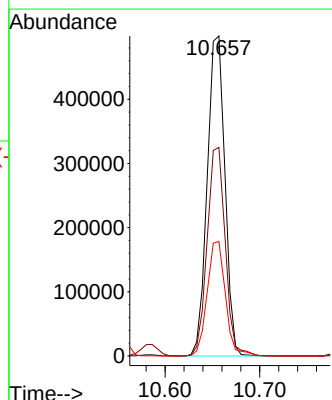
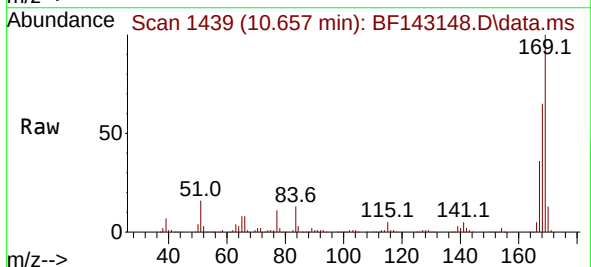
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

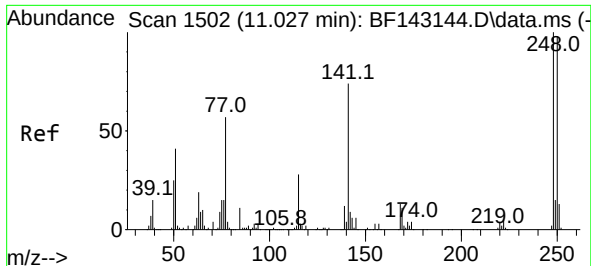
Tgt Ion:198 Resp: 98462
Ion Ratio Lower Upper
198 100
51 55.0 37.2 77.2
105 43.3 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 40.250 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:169 Resp: 647855
Ion Ratio Lower Upper
169 100
168 65.2 52.1 78.1
167 35.8 28.2 42.2

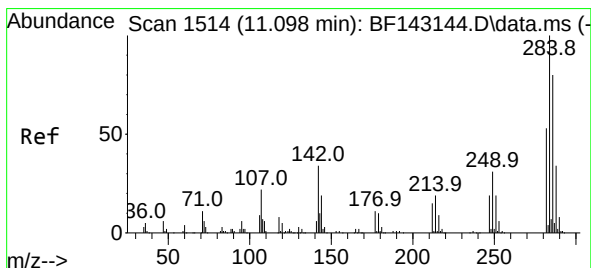
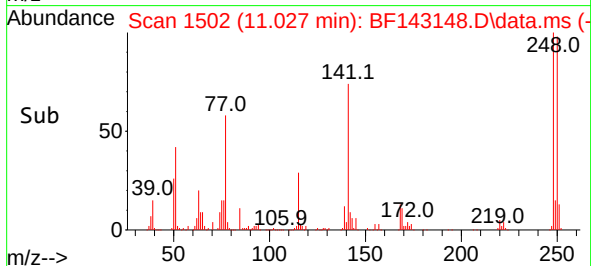
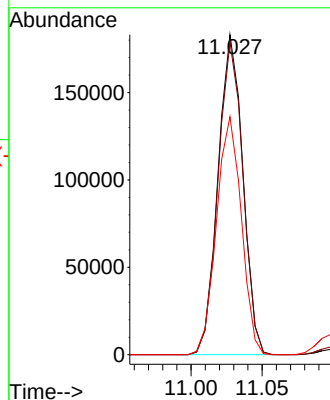
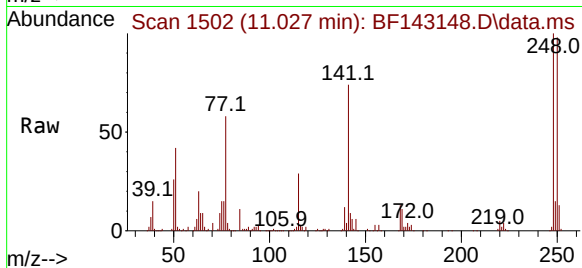




#67
4-Bromophenyl-phenylether
Concen: 40.828 ng
RT: 11.027 min Scan# 1102
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

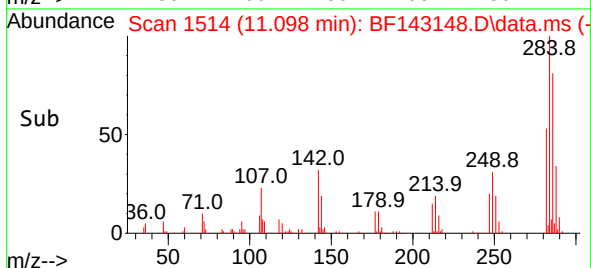
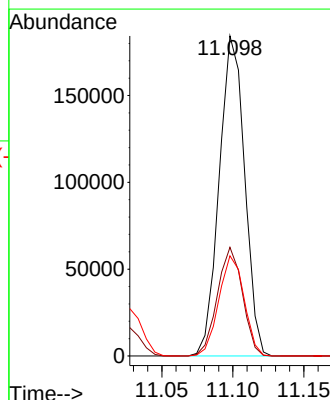
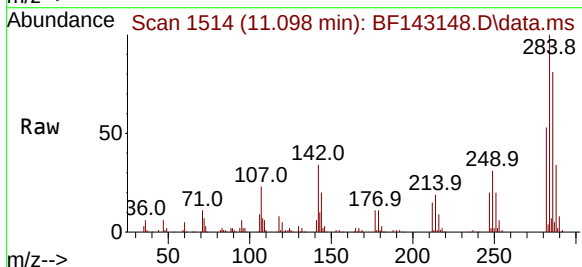
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

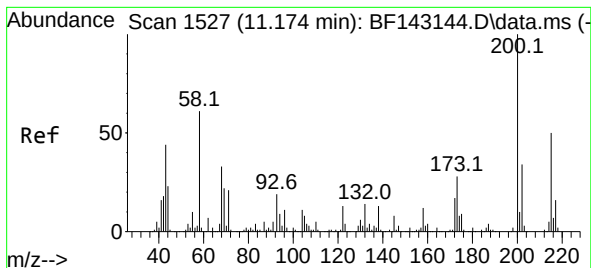
Tgt Ion:248 Resp: 222405
Ion Ratio Lower Upper
248 100
250 97.7 78.3 117.5
141 74.3 59.2 88.8



#68
Hexachlorobenzene
Concen: 40.268 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:284 Resp: 229272
Ion Ratio Lower Upper
284 100
142 34.0 27.0 40.6
249 31.3 25.0 37.6





#69

Atrazine

Concen: 42.615 ng

RT: 11.174 min Scan# 1527

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

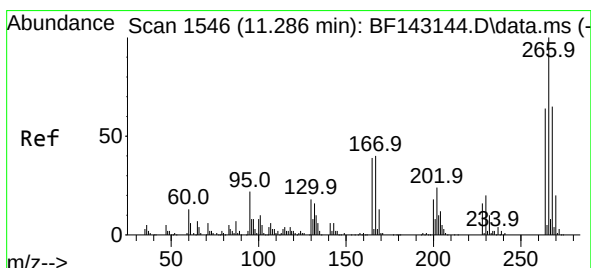
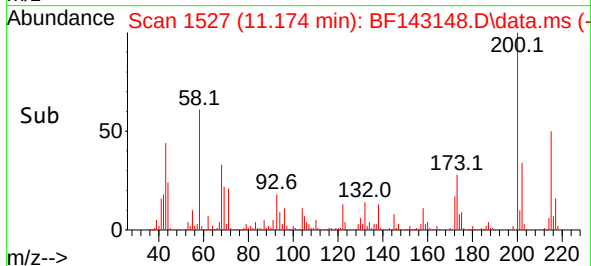
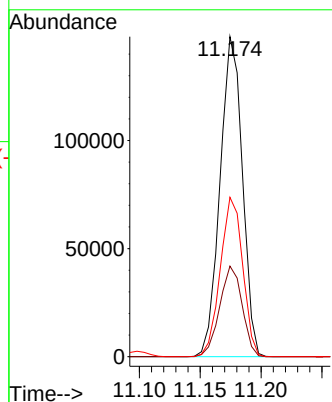
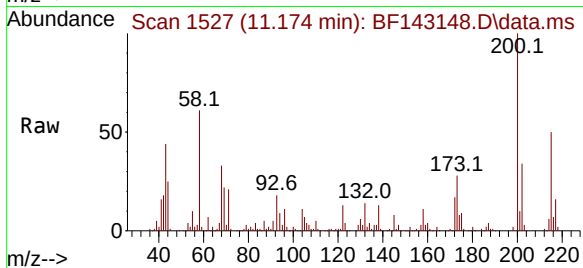
Tgt Ion:200 Resp: 189104

Ion Ratio Lower Upper

200 100

173 28.3 7.9 47.9

215 49.8 30.1 70.1



#70

Pentachlorophenol

Concen: 42.292 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

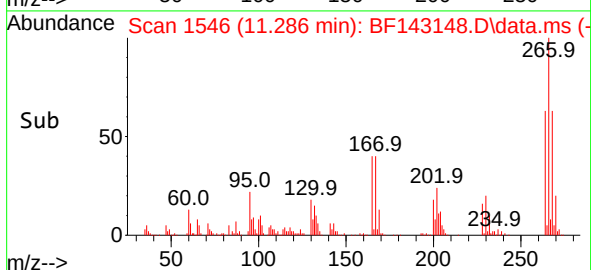
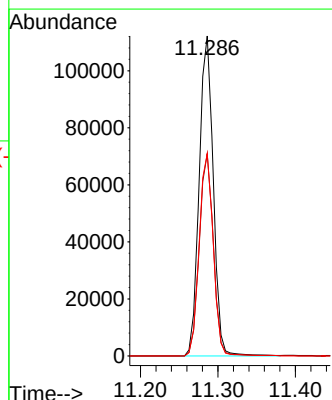
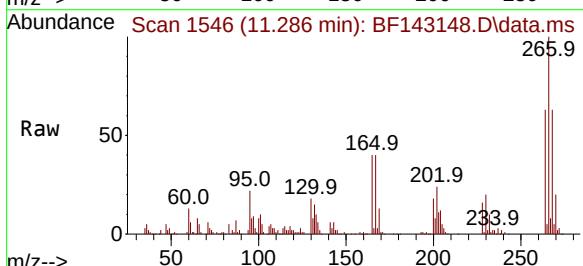
Tgt Ion:266 Resp: 141608

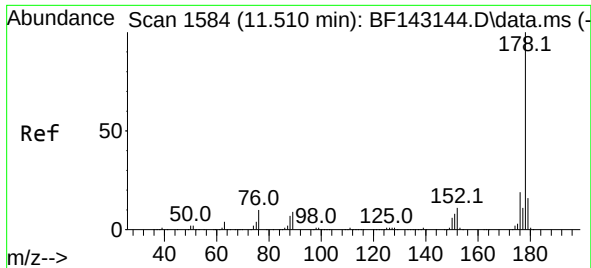
Ion Ratio Lower Upper

266 100

268 63.1 51.9 77.9

264 63.3 51.0 76.6

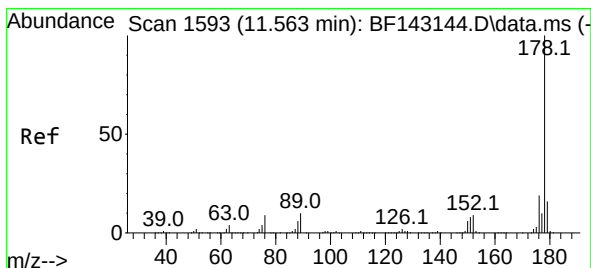
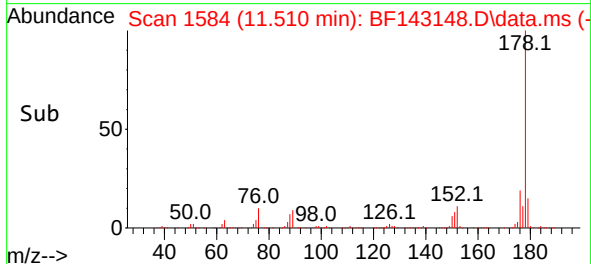
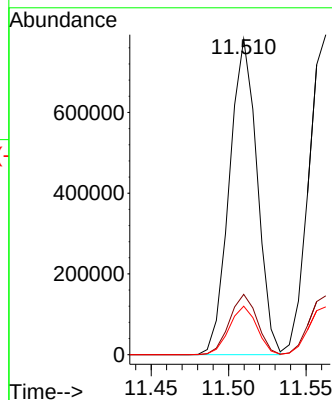
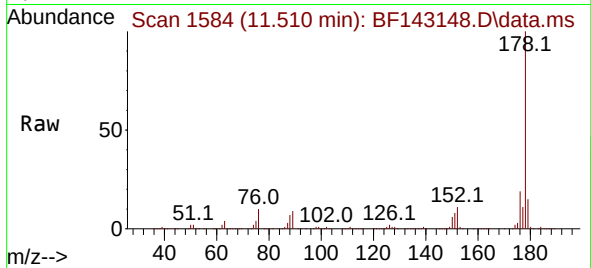




#71
Phenanthrene
Concen: 40.026 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

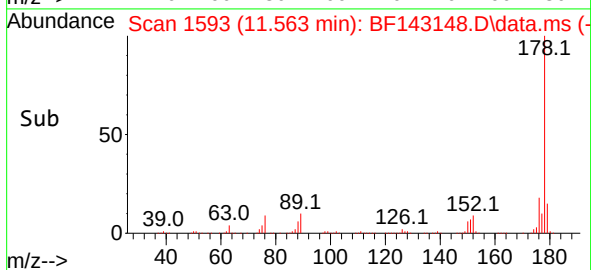
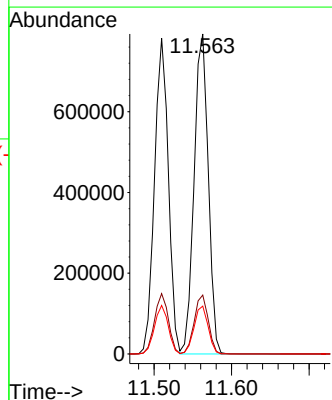
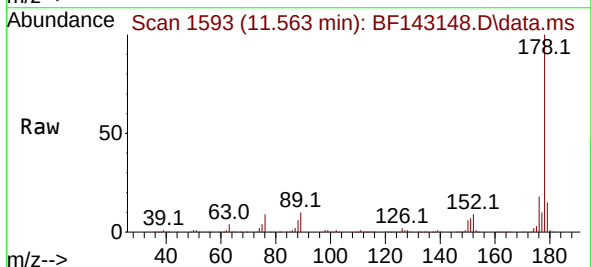
Instrument : BNA_F
ClientSampleId : ICVBF071725

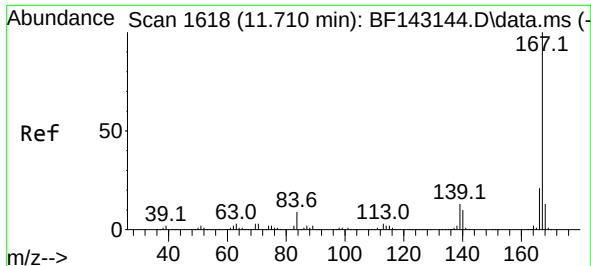
Tgt Ion:178 Resp: 971448
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.3 12.5 18.7



#72
Anthracene
Concen: 40.557 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

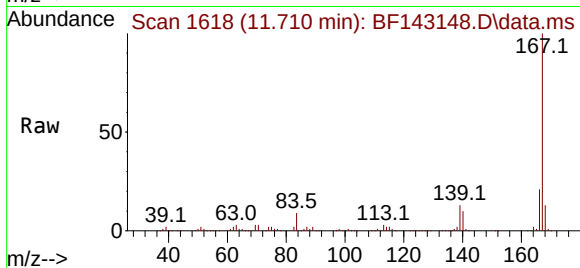
Tgt Ion:178 Resp: 1003925
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.0 12.5 18.7



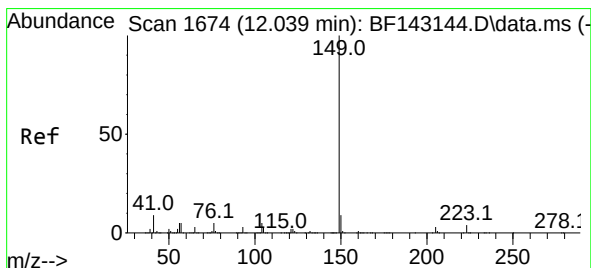
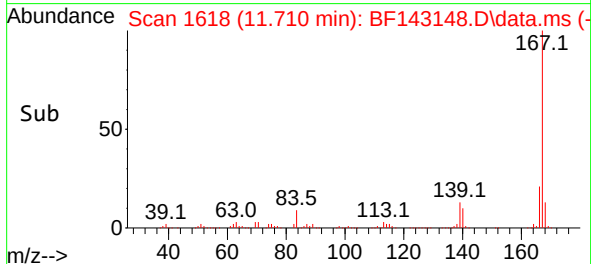
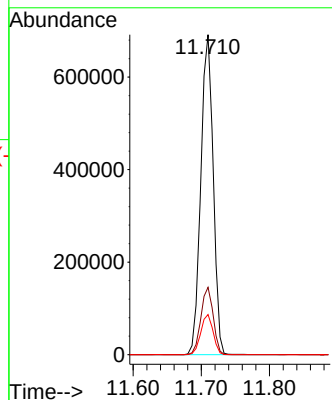


#73
 Carbazole
 Concen: 40.476 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. -0.000 min
 Lab File: BF143148.D
 Acq: 17 Jul 2025 15:06

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

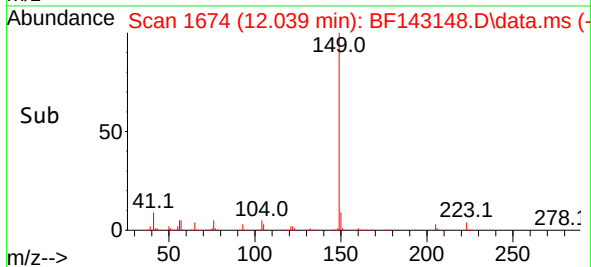
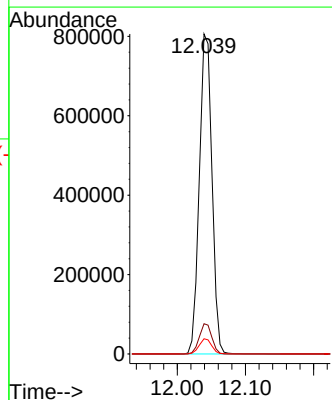
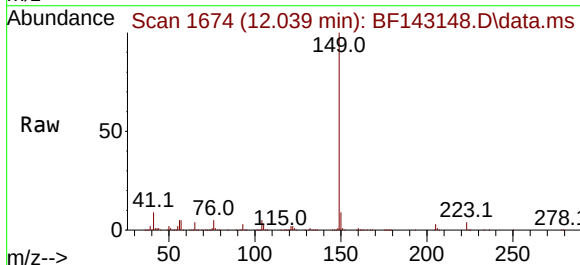


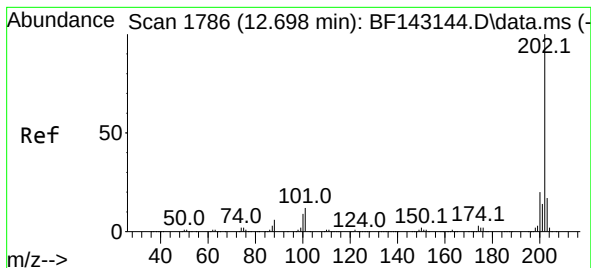
Tgt Ion:167 Resp: 874867
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.6
 139 12.5 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 42.330 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. -0.000 min
 Lab File: BF143148.D
 Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 1035244
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 4.7 3.8 5.8





#75

Fluoranthene

Concen: 40.836 ng

RT: 12.698 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

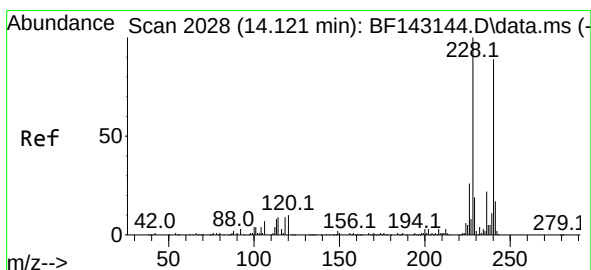
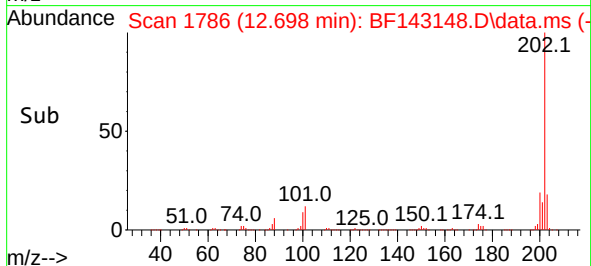
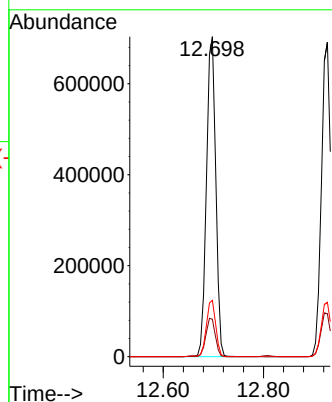
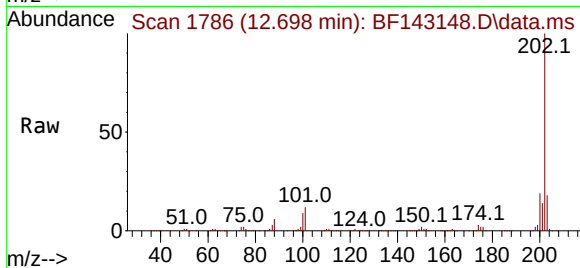
Tgt Ion:202 Resp: 909717

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.7

203 17.6 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

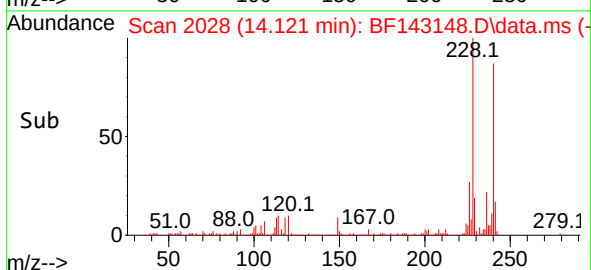
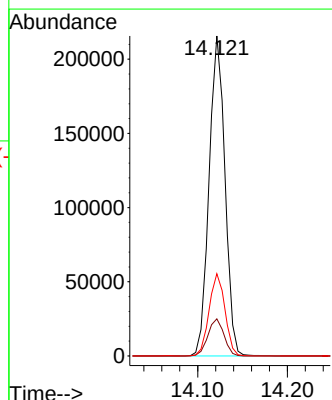
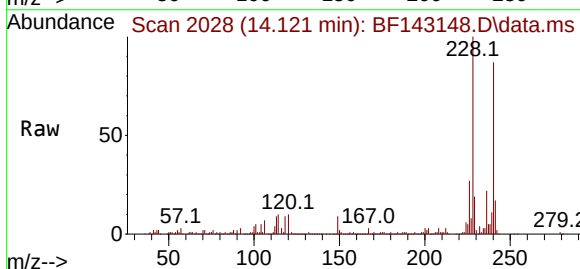
Tgt Ion:240 Resp: 265008

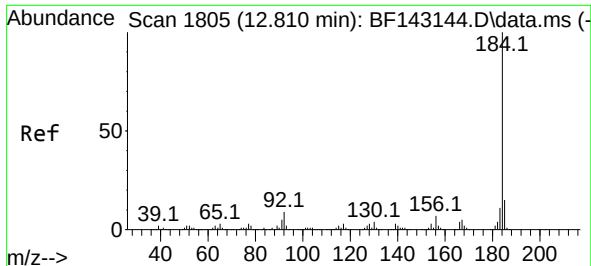
Ion Ratio Lower Upper

240 100

120 11.6 9.4 14.2

236 25.7 20.2 30.4

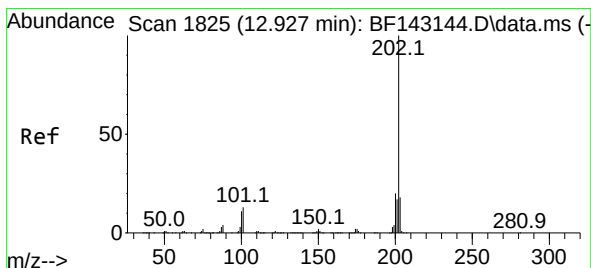
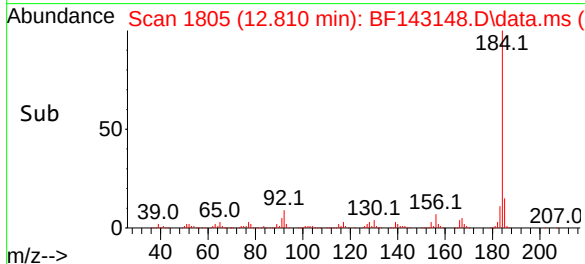
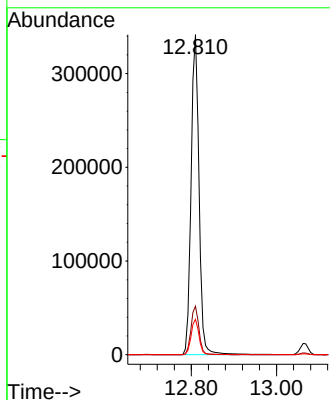
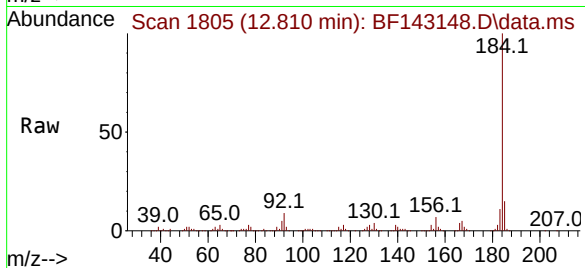




#77
Benzidine
Concen: 43.239 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

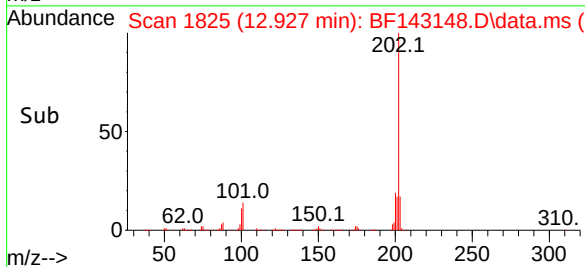
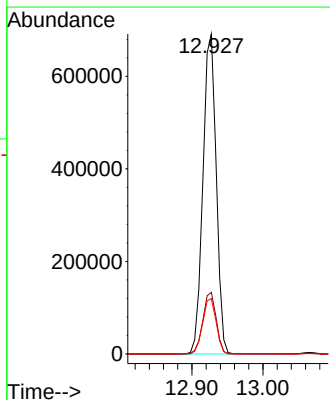
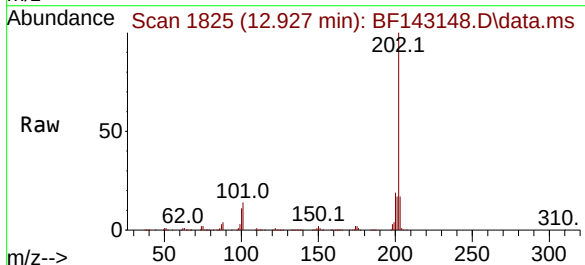
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

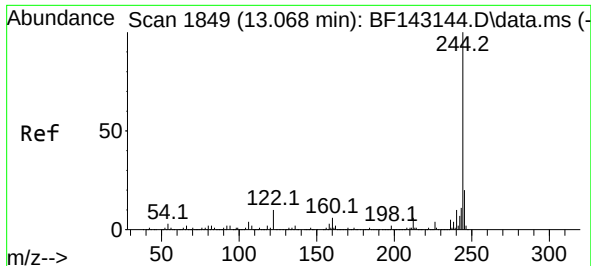
Tgt Ion:184 Resp: 441470
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.4
183 11.1 9.0 13.4



#78
Pyrene
Concen: 39.916 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:202 Resp: 902771
Ion Ratio Lower Upper
202 100
200 19.3 15.7 23.5
203 17.3 14.2 21.2

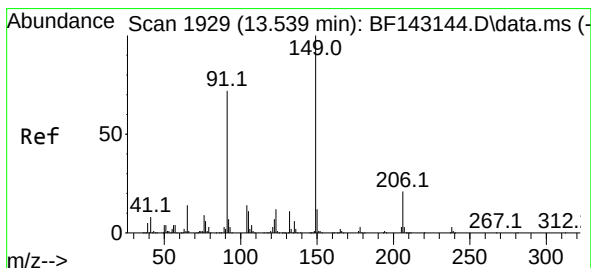
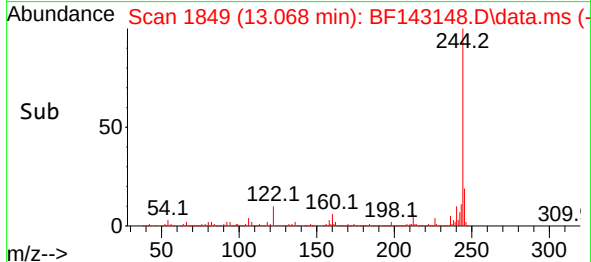
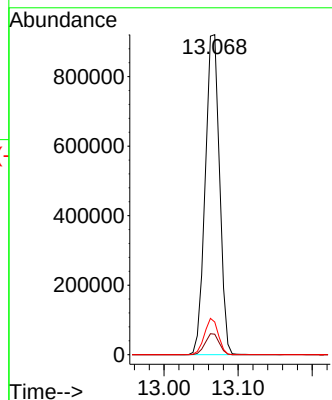
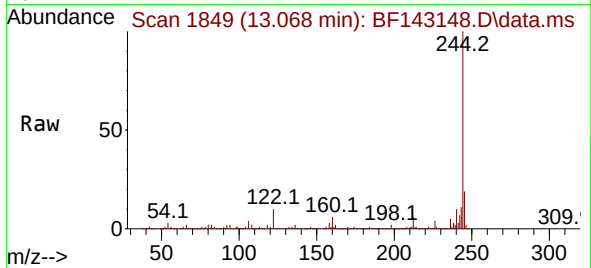




#79
 Terphenyl-d14
 Concen: 69.333 ng
 RT: 13.068 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF143148.D
 Acq: 17 Jul 2025 15:06

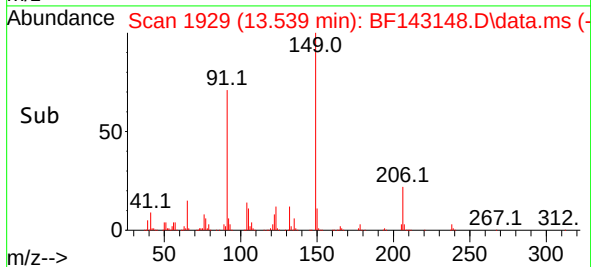
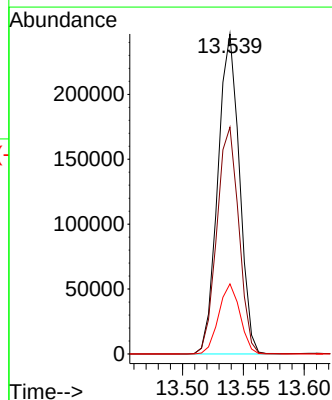
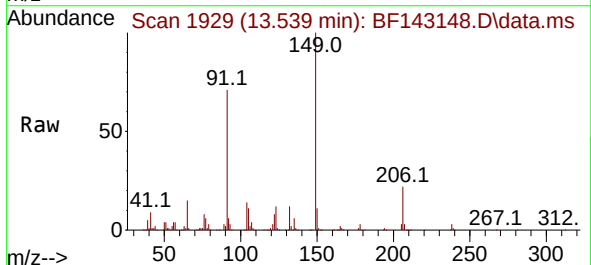
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

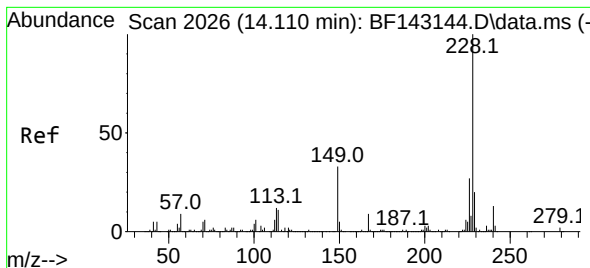
Tgt Ion:244 Resp: 1234701
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.2 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 43.827 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. -0.000 min
 Lab File: BF143148.D
 Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 303528
 Ion Ratio Lower Upper
 149 100
 91 70.9 57.9 86.9
 206 21.9 17.0 25.4





#81

Benzo(a)anthracene

Concen: 39.950 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

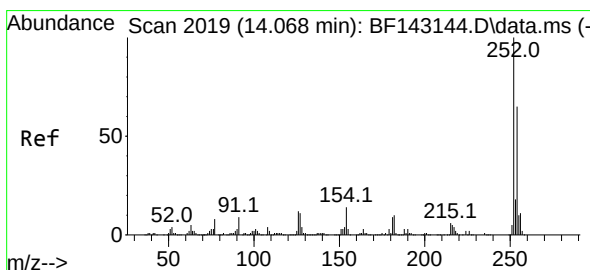
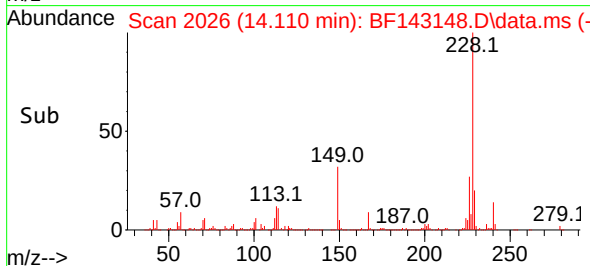
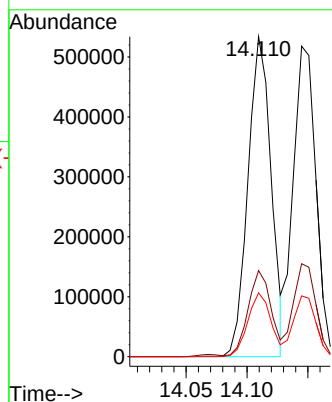
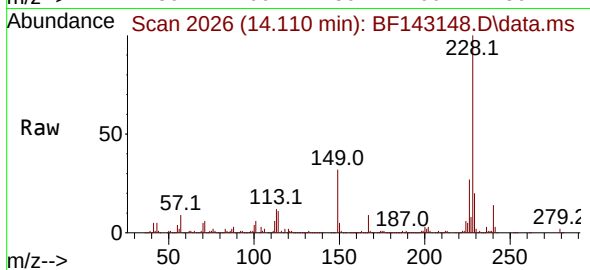
Tgt Ion:228 Resp: 708799

Ion Ratio Lower Upper

228 100

226 26.9 21.7 32.5

229 20.0 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 43.772 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

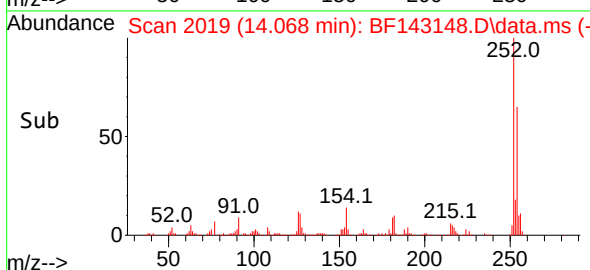
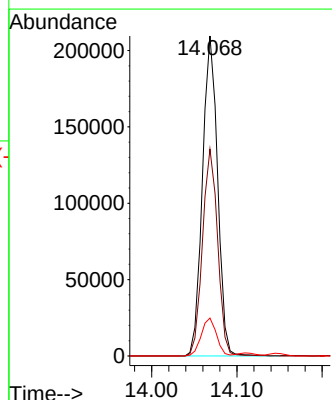
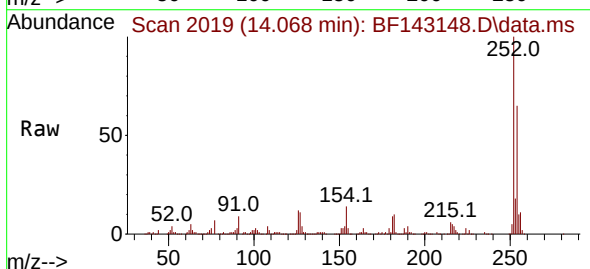
Tgt Ion:252 Resp: 258837

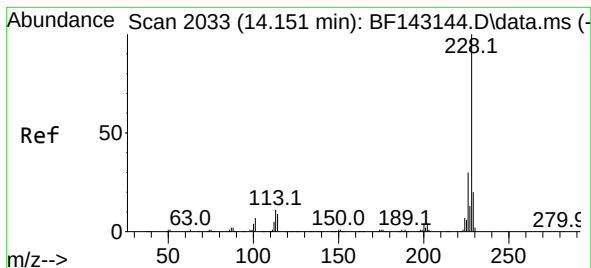
Ion Ratio Lower Upper

252 100

254 64.6 51.7 77.5

126 11.9 9.4 14.0





#83

Chrysene

Concen: 42.233 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

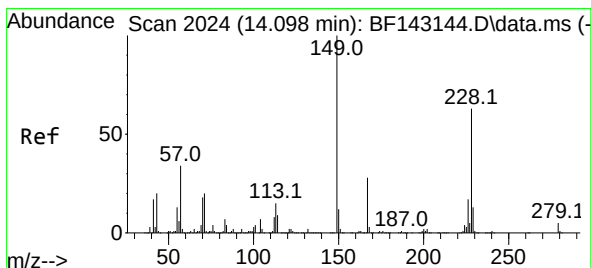
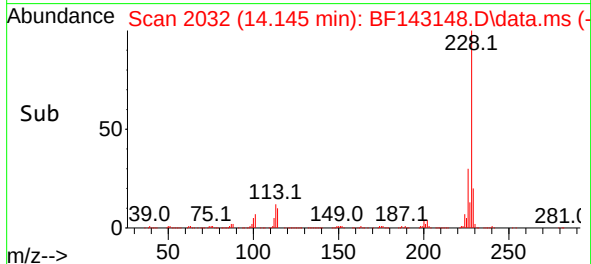
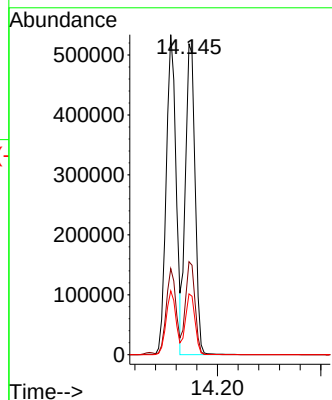
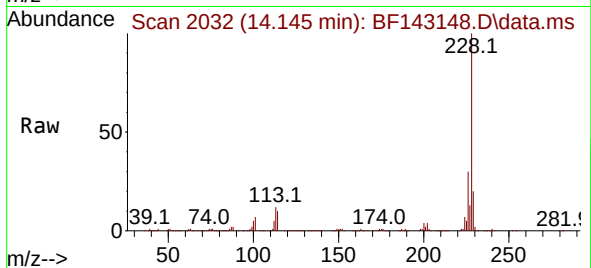
Tgt Ion:228 Resp: 673701

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.578 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

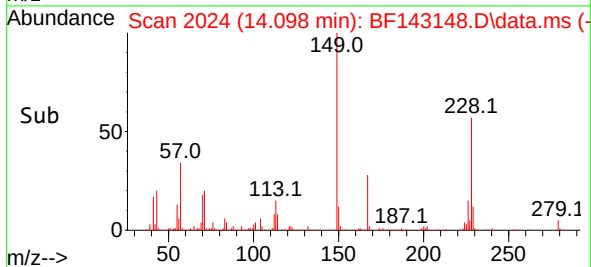
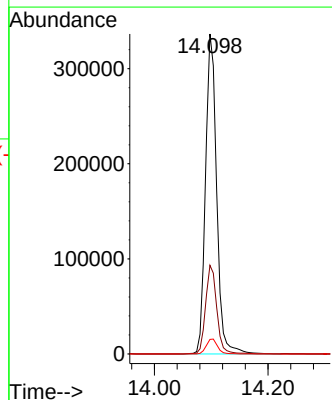
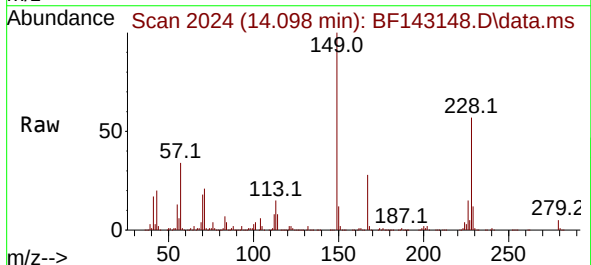
Tgt Ion:149 Resp: 456811

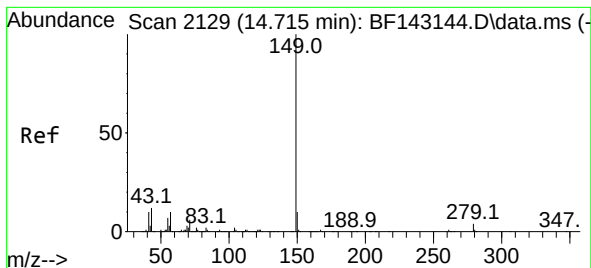
Ion Ratio Lower Upper

149 100

167 27.7 22.3 33.5

279 4.6 3.6 5.4

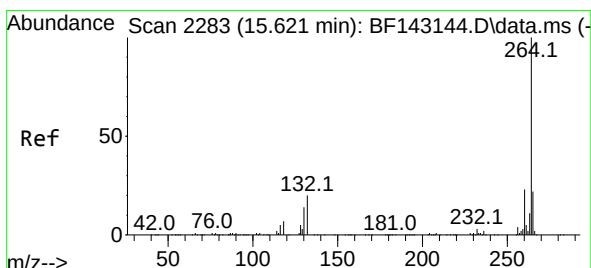
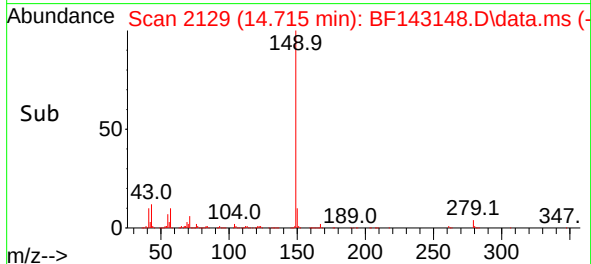
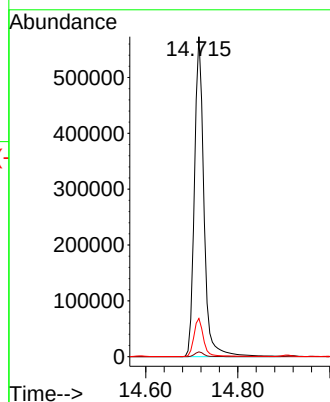
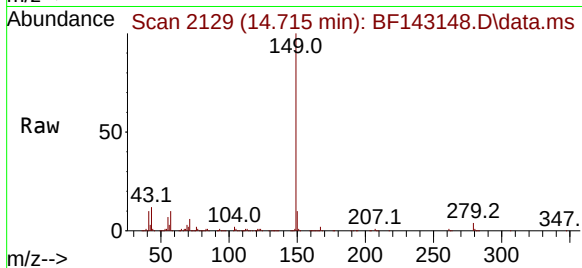




#85
Di-n-octyl phthalate
Concen: 43.077 ng
RT: 14.715 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

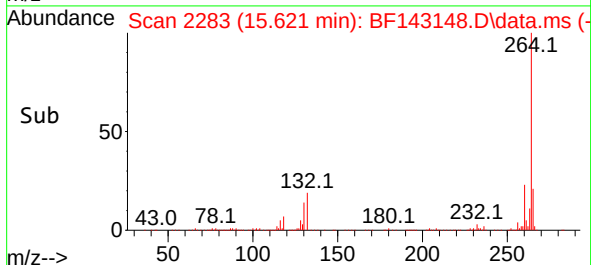
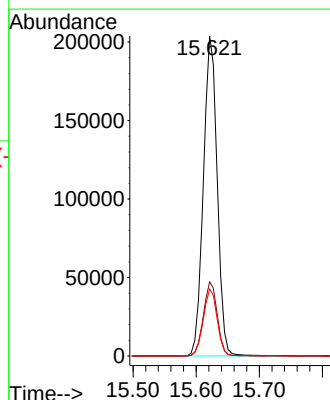
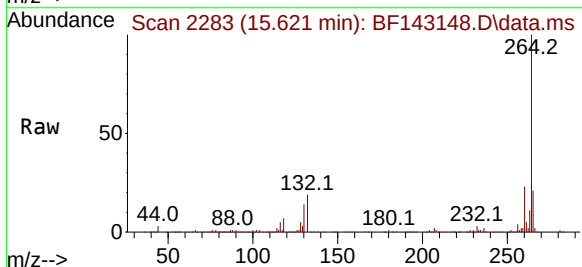
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

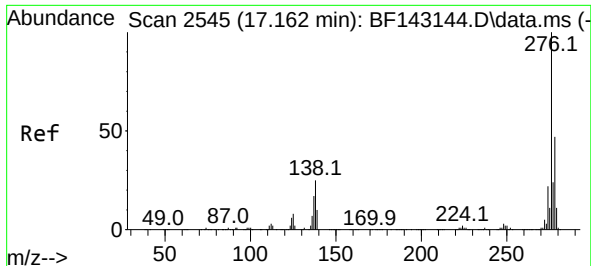
Tgt Ion:149 Resp: 818512
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.2 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:264 Resp: 310192
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 20.9 17.4 26.2

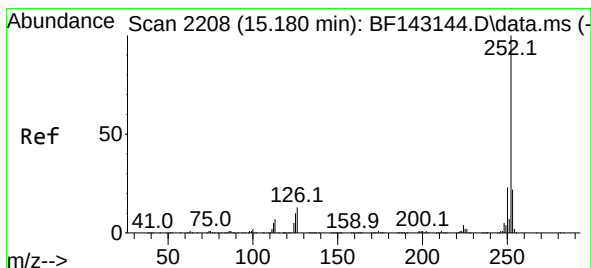
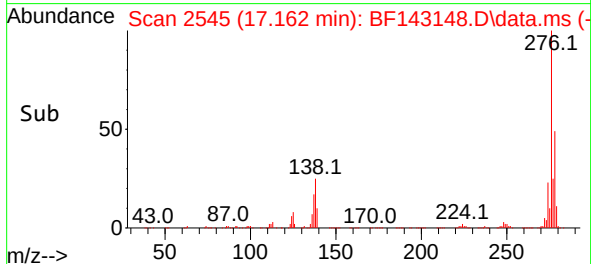
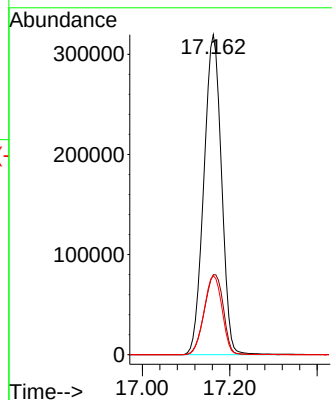
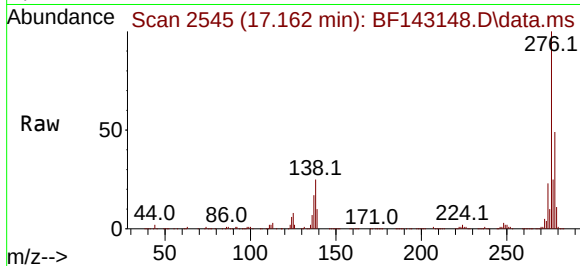




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.983 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

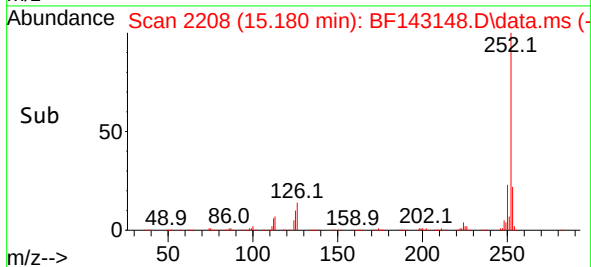
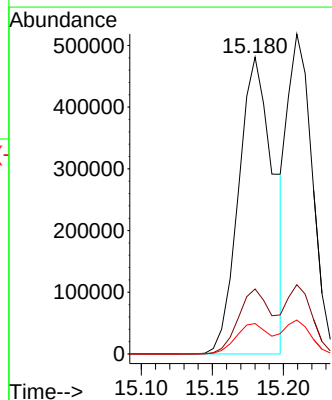
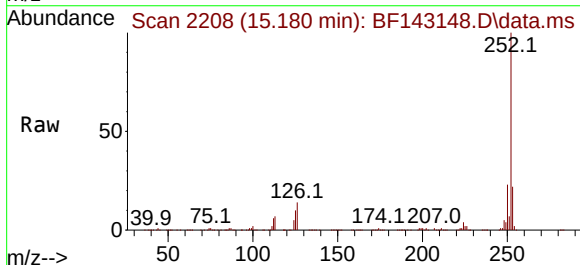
Instrument :
BNA_F
ClientSampleId :
ICVBF071725

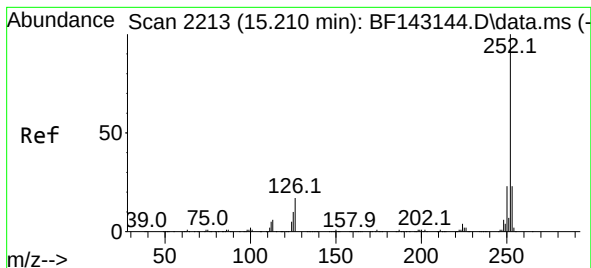
Tgt Ion:276 Resp: 896404
Ion Ratio Lower Upper
276 100
138 26.9 21.8 32.6
277 25.2 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 43.278 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:252 Resp: 820119
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 37.531 ng

RT: 15.209 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

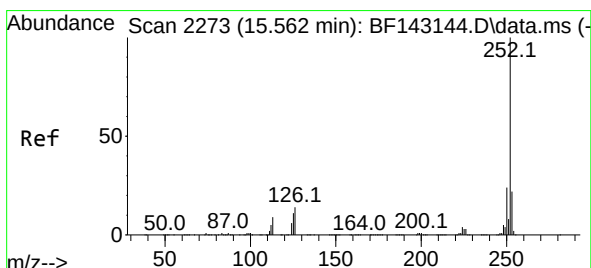
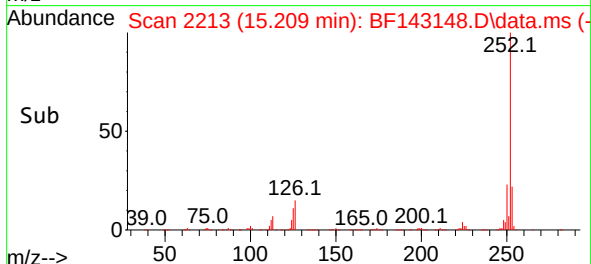
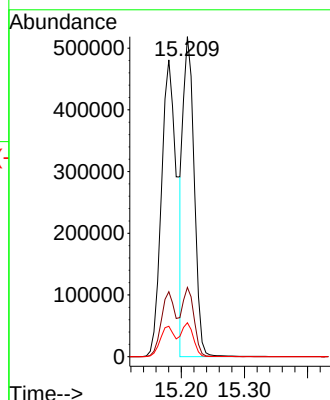
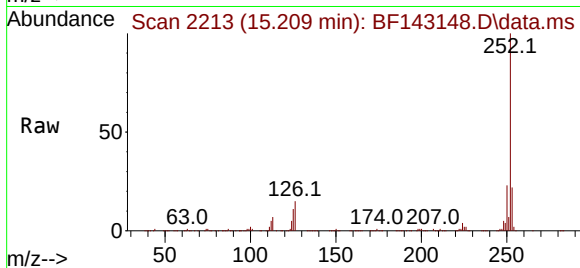
Tgt Ion:252 Resp: 634642

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 10.6 8.1 12.1



#90

Benzo(a)pyrene

Concen: 40.594 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

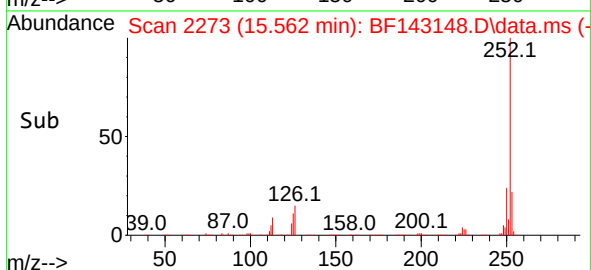
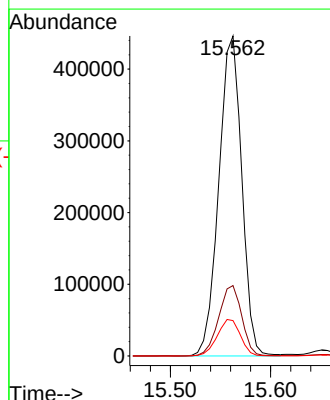
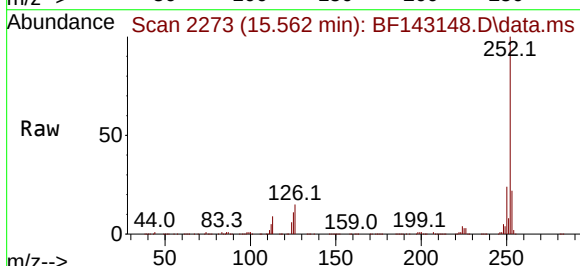
Tgt Ion:252 Resp: 708756

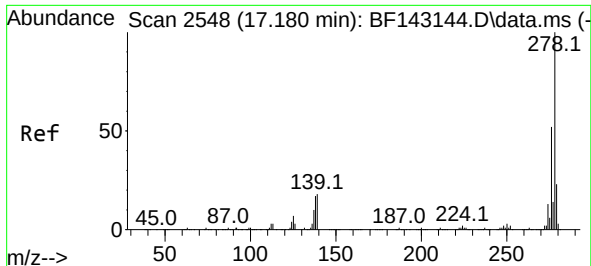
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 11.1 8.6 13.0

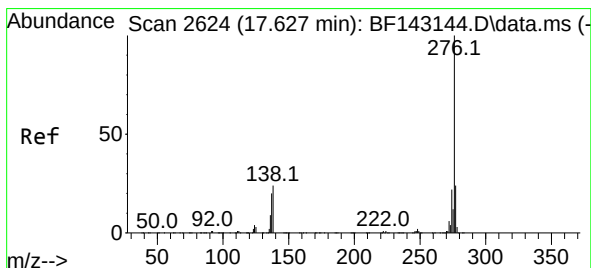
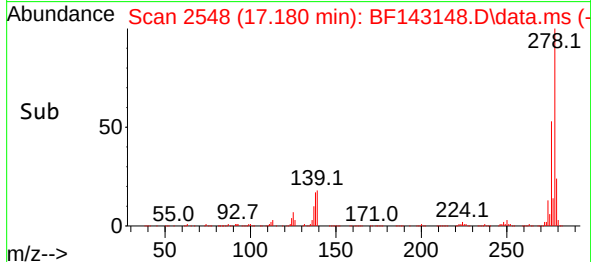
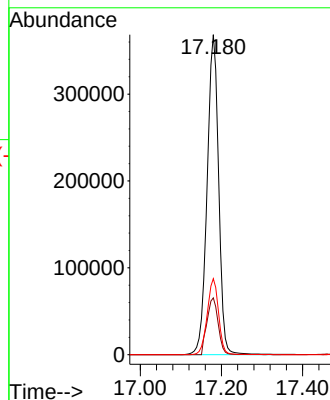
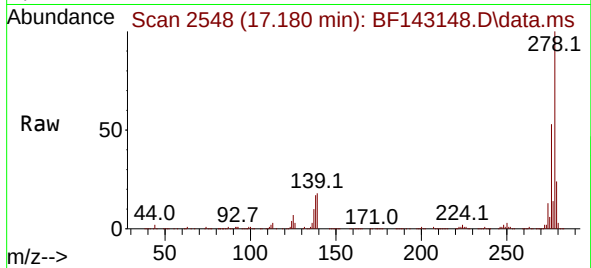




#91
 Dibenzo(a,h)anthracene
 Concen: 40.710 ng
 RT: 17.180 min Scan# 2548
 Delta R.T. -0.000 min
 Lab File: BF143148.D
 Acq: 17 Jul 2025 15:06

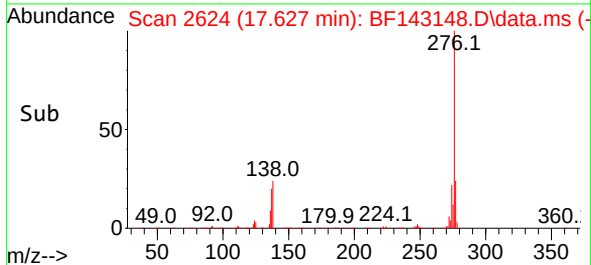
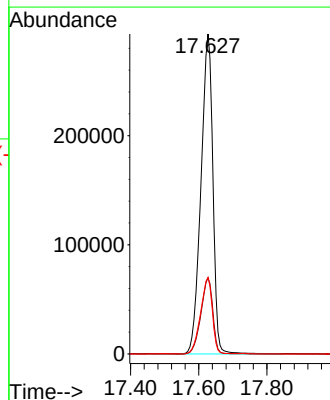
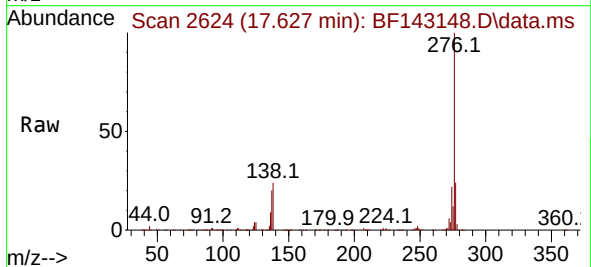
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Tgt Ion:278 Resp: 724758
 Ion Ratio Lower Upper
 278 100
 139 17.8 14.1 21.1
 279 23.8 18.6 28.0



#92
 Benzo(g,h,i)perylene
 Concen: 41.394 ng
 RT: 17.627 min Scan# 2624
 Delta R.T. -0.000 min
 Lab File: BF143148.D
 Acq: 17 Jul 2025 15:06

Tgt Ion:276 Resp: 712864
 Ion Ratio Lower Upper
 276 100
 277 23.8 19.1 28.7
 138 23.9 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143157.D
 Acq On : 17 Jul 2025 19:37
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Jul 18 01:04:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	138855	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	536902	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	269673	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	425499	20.000	ng	0.00
76) Chrysene-d12	14.121	240	257557	20.000	ng	0.00
86) Perylene-d12	15.621	264	290483	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	683377	77.881	ng	0.00
7) Phenol-d6	6.581	99	864647	78.288	ng	0.00
23) Nitrobenzene-d5	7.522	82	895287	83.120	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	221500	79.508	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1518879	77.029	ng	0.00
79) Terphenyl-d14	13.069	244	1271733	73.478	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.805	88	166244	40.040	ng	99
3) Pyridine	3.575	79	418492	38.834	ng	99
4) n-Nitrosodimethylamine	3.516	42	221018	39.723	ng	99
6) Aniline	6.622	93	607823	39.488	ng	100
8) 2-Chlorophenol	6.745	128	365543	39.743	ng	99
9) Benzaldehyde	6.510	77	363665	43.912	ng	97
10) Phenol	6.593	94	503953	41.885	ng	99
11) bis(2-Chloroethyl)ether	6.693	93	365030	39.624	ng	100
12) 1,3-Dichlorobenzene	6.904	146	390492	39.082	ng	99
13) 1,4-Dichlorobenzene	6.981	146	392653	39.023	ng	99
14) 1,2-Dichlorobenzene	7.134	146	377188	39.413	ng	99
15) Benzyl Alcohol	7.098	79	334056	39.613	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	678356	39.695	ng	99
17) 2-Methylphenol	7.204	107	303796	39.283	ng	99
18) Hexachloroethane	7.481	117	141080	40.502	ng	98
19) n-Nitroso-di-n-propyla...	7.369	70	273232	38.561	ng	98
20) 3+4-Methylphenols	7.357	107	381861	40.698	ng	95
22) Acetophenone	7.369	105	487279	38.334	ng	# 97
24) Nitrobenzene	7.540	77	399661	39.799	ng	99
25) Isophorone	7.781	82	735124	38.662	ng	99
26) 2-Nitrophenol	7.857	139	187422	43.005	ng	99
27) 2,4-Dimethylphenol	7.887	122	345701	38.914	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	442167	38.785	ng	99
29) 2,4-Dichlorophenol	8.092	162	293442	39.168	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	314604	38.870	ng	100
31) Naphthalene	8.269	128	1028140	38.883	ng	100
32) Benzoic acid	7.981	122	185065	38.171	ng	99
33) 4-Chloroaniline	8.304	127	412017	38.161	ng	99
34) Hexachlorobutadiene	8.387	225	195484	39.537	ng	99
35) Caprolactam	8.669	113	90080	39.790	ng	98
36) 4-Chloro-3-methylphenol	8.781	107	314299	38.598	ng	97
37) 2-Methylnaphthalene	8.957	142	619310	38.490	ng	100
38) 1-Methylnaphthalene	9.057	142	644847	38.919	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	304551	39.116	ng	100
41) Hexachlorocyclopentadiene	9.116	237	206865	40.834	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	209902	38.954	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143157.D
 Acq On : 17 Jul 2025 19:37
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

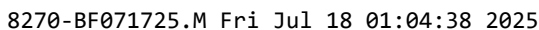
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 ClientSampleId :
 SSTDCCC040EC

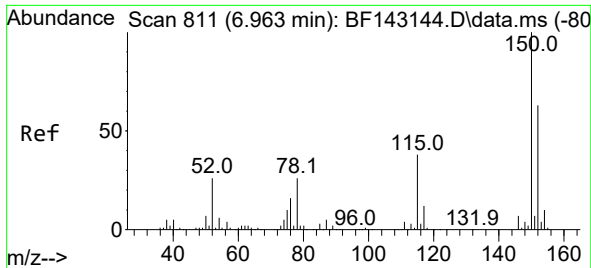
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	219957	40.808	ng	98
46) 1,1'-Biphenyl	9.422	154	831115	39.502	ng	99
47) 2-Chloronaphthalene	9.445	162	606685	38.970	ng	100
48) 2-Nitroaniline	9.534	65	205784	42.151	ng	99
49) Acenaphthylene	9.863	152	1021363	39.148	ng	100
50) Dimethylphthalate	9.716	163	691652	39.347	ng	100
51) 2,6-Dinitrotoluene	9.775	165	150428	42.067	ng	97
52) Acenaphthene	10.033	154	605034	39.237	ng	98
53) 3-Nitroaniline	9.939	138	167420	40.028	ng	100
54) 2,4-Dinitrophenol	10.039	184	58866	39.960	ng	# 1
55) Dibenzofuran	10.204	168	889222	38.841	ng	99
56) 4-Nitrophenol	10.086	139	125059	40.040	ng	99
57) 2,4-Dinitrotoluene	10.175	165	188181	41.945	ng	97
58) Fluorene	10.545	166	653713	38.045	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	178038	39.875	ng	99
60) Diethylphthalate	10.416	149	679129	39.088	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	333465	38.975	ng	99
62) 4-Nitroaniline	10.551	138	141515	39.478	ng	100
63) Azobenzene	10.698	77	705944	38.986	ng	100
65) 4,6-Dinitro-2-methylph...	10.581	198	87846	40.354	ng	96
66) n-Nitrosodiphenylamine	10.651	169	592682	39.557	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	198111	39.069	ng	99
68) Hexachlorobenzene	11.098	284	209203	39.472	ng	99
69) Atrazine	11.175	200	166380	40.279	ng	99
70) Pentachlorophenol	11.286	266	128754	41.309	ng	98
71) Phenanthrene	11.510	178	882612	39.066	ng	99
72) Anthracene	11.563	178	896290	38.898	ng	100
73) Carbazole	11.710	167	787128	39.121	ng	100
74) Di-n-butylphthalate	12.039	149	922904	40.539	ng	100
75) Fluoranthene	12.698	202	827620	39.910	ng	100
77) Benzidine	12.810	184	378753	38.169	ng	100
78) Pyrene	12.927	202	816607	37.150	ng	100
80) Butylbenzylphthalate	13.539	149	274194	40.736	ng	99
81) Benzo(a)anthracene	14.110	228	668691	38.779	ng	100
82) 3,3'-Dichlorobenzidine	14.069	252	227633	39.609	ng	100
83) Chrysene	14.145	228	631314	40.721	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	422788	41.499	ng	100
85) Di-n-octyl phthalate	14.716	149	729985	39.529	ng	100
87) Indeno(1,2,3-cd)pyrene	17.157	276	814736	39.776	ng	100
88) Benzo(b)fluoranthene	15.180	252	677603	38.184	ng	100
89) Benzo(k)fluoranthene	15.210	252	653171	41.247	ng	100
90) Benzo(a)pyrene	15.557	252	654692	40.042	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	665474	39.916	ng	99
92) Benzo(g,h,i)perylene	17.621	276	644277	39.950	ng	99

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

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

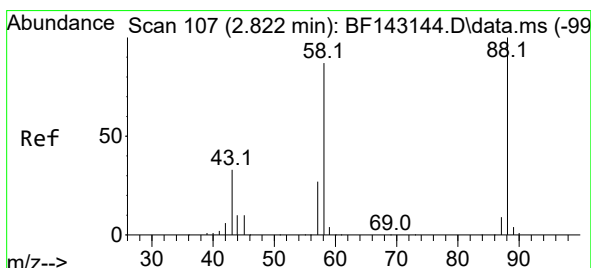
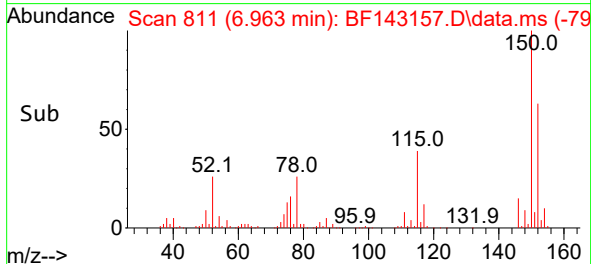
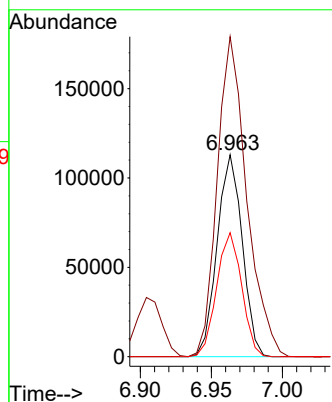
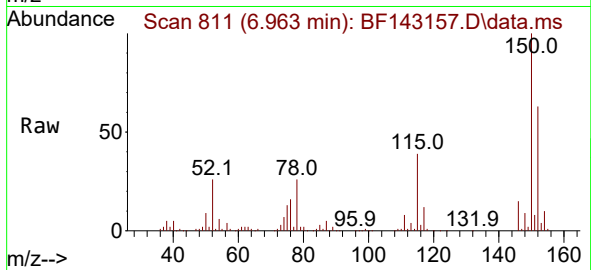




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 811
 Delta R.T. 0.000 min
 Lab File: BF143157.D
 Acq: 17 Jul 2025 19:37

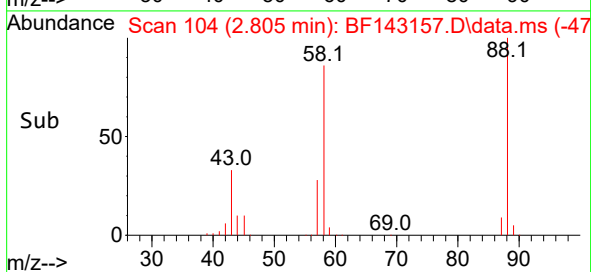
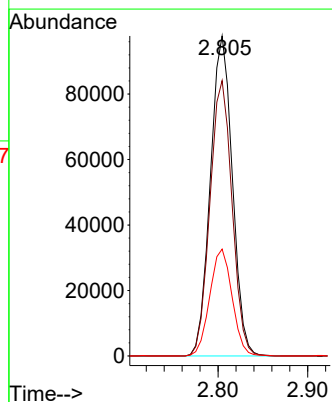
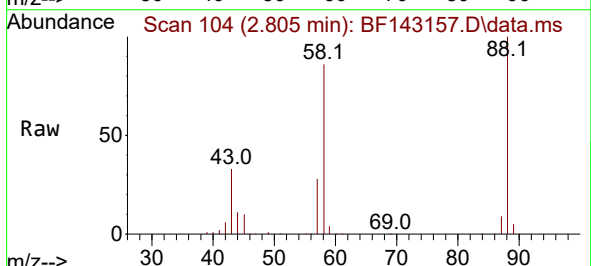
Instrument :
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 ClientSampleId :
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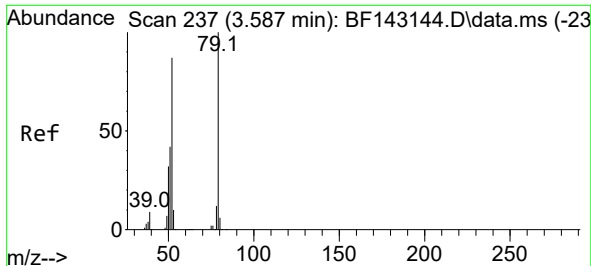
Tgt Ion:152 Resp: 138855
 Ion Ratio Lower Upper
 152 100
 150 158.5 128.2 192.4
 115 61.4 47.9 71.9



#2
 1,4-Dioxane
 Concen: 40.040 ng
 RT: 2.805 min Scan# 104
 Delta R.T. -0.018 min
 Lab File: BF143157.D
 Acq: 17 Jul 2025 19:37

Tgt Ion: 88 Resp: 166244
 Ion Ratio Lower Upper
 88 100
 58 86.5 70.2 105.2
 43 34.0 27.1 40.7

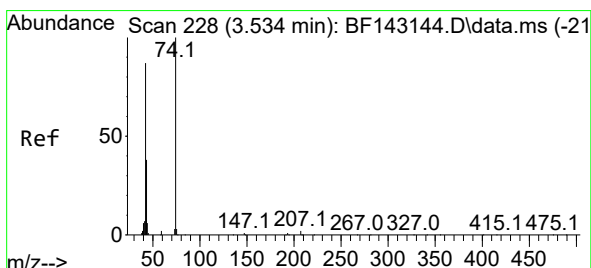
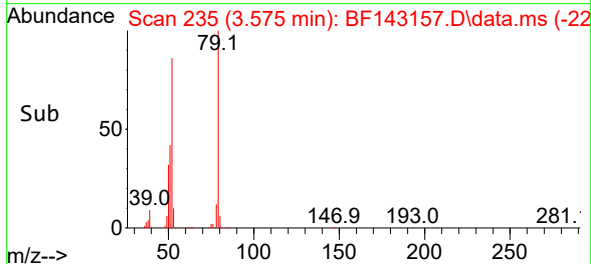
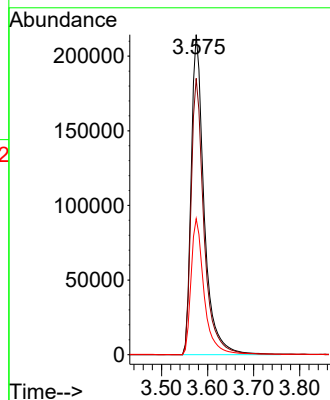
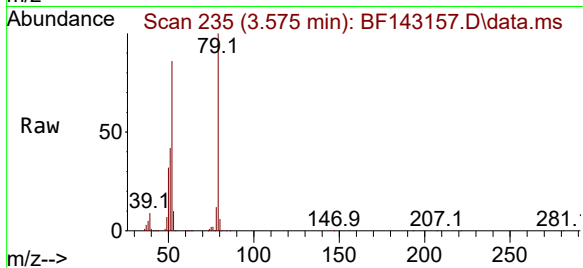




#3
Pyridine
Concen: 38.834 ng
RT: 3.575 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

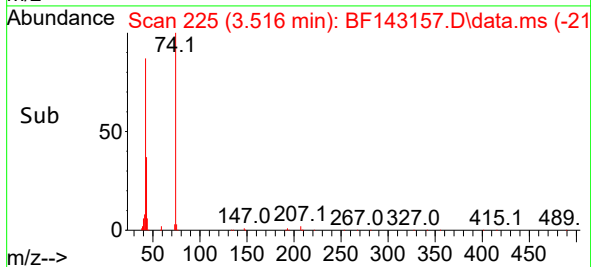
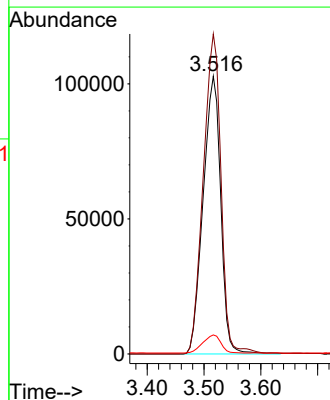
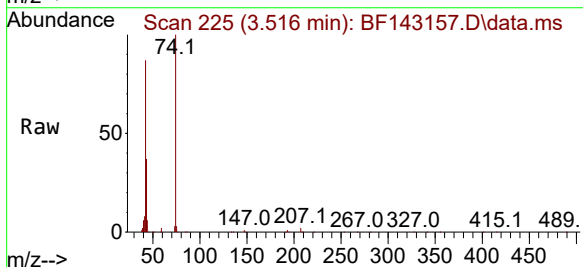
Instrument :
BNA_F
ClientSampleId :
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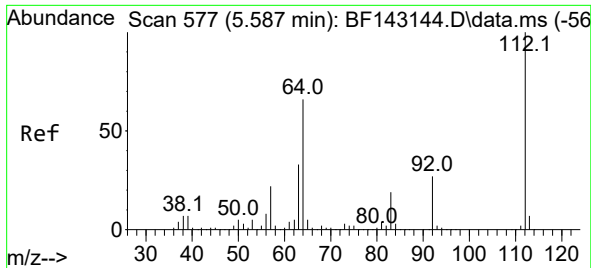
Tgt Ion: 79 Resp: 418492
Ion Ratio Lower Upper
79 100
52 86.4 69.4 104.2
51 42.5 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 39.723 ng
RT: 3.516 min Scan# 225
Delta R.T. -0.018 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 42 Resp: 221018
Ion Ratio Lower Upper
42 100
74 115.2 91.7 137.5
44 6.9 5.6 8.4

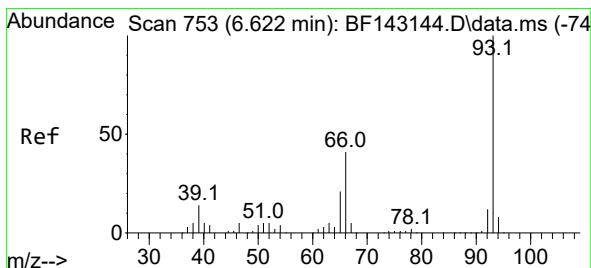
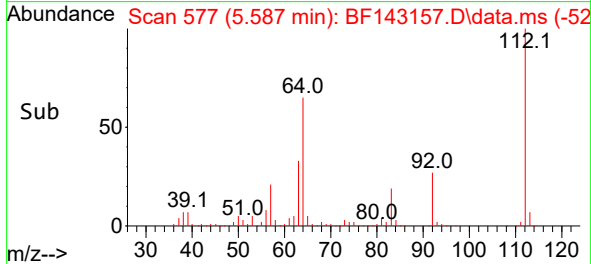
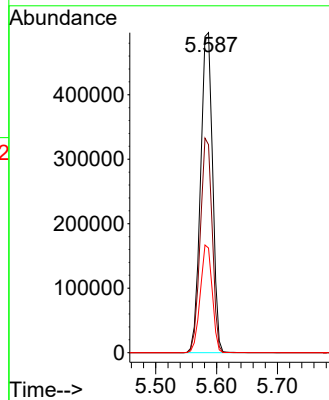
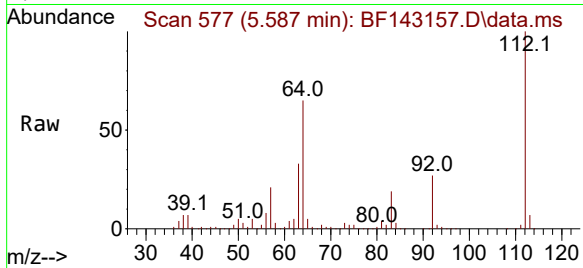




#5
2-Fluorophenol
Concen: 77.881 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

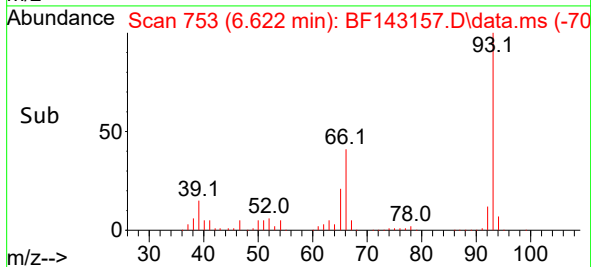
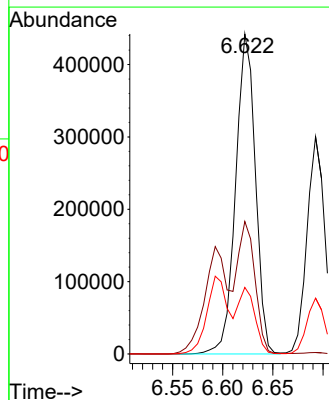
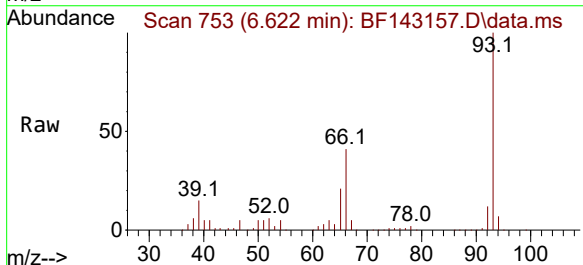
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

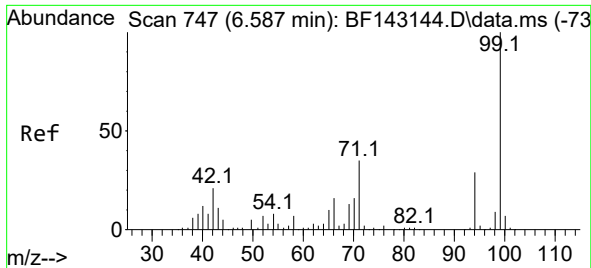
Tgt Ion:112 Resp: 683377
Ion Ratio Lower Upper
112 100
64 65.0 53.1 79.7
63 32.7 26.6 40.0



#6
Aniline
Concen: 39.488 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 93 Resp: 607823
Ion Ratio Lower Upper
93 100
66 41.4 33.2 49.8
65 20.8 16.9 25.3

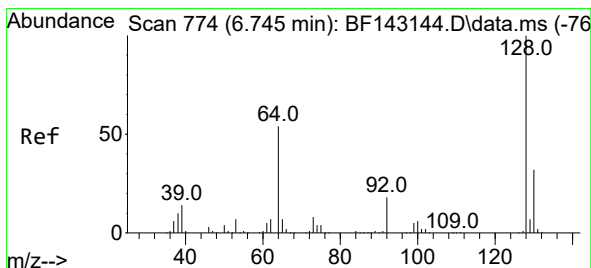
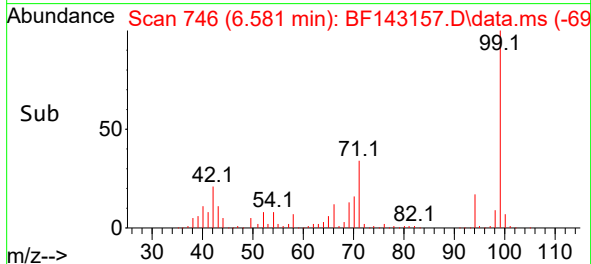
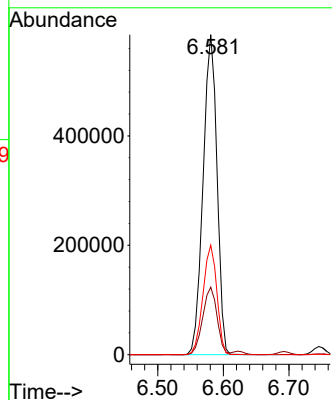
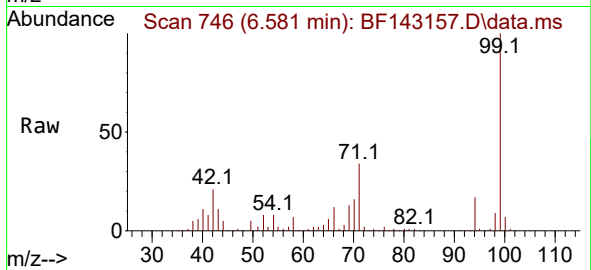




#7
Phenol-d6
Concen: 78.288 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

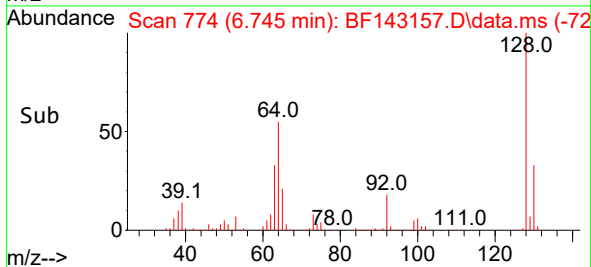
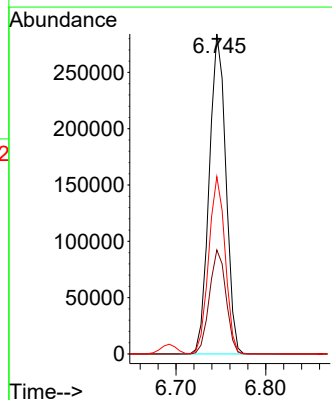
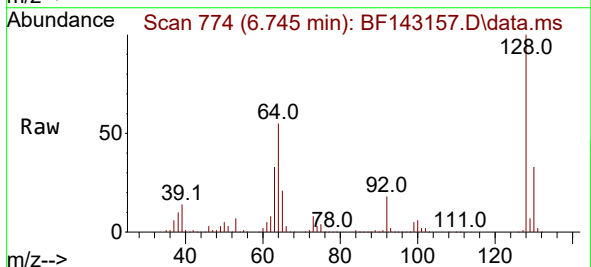
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

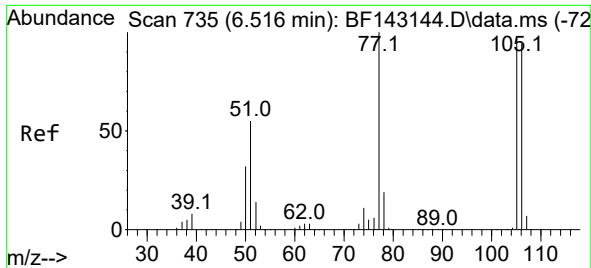
Tgt Ion: 99 Resp: 864647
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.2 27.7 41.5



#8
2-Chlorophenol
Concen: 39.743 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:128 Resp: 365543
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 55.4 35.9 75.9

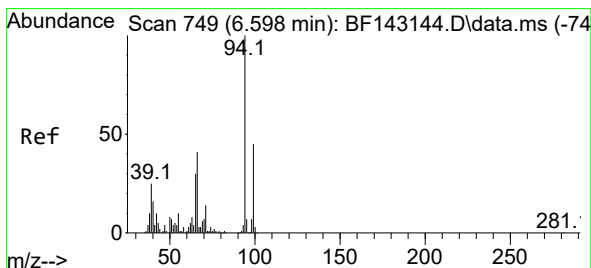
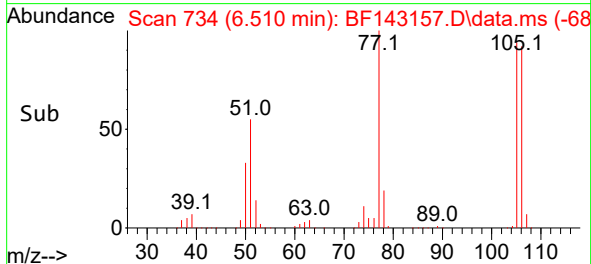
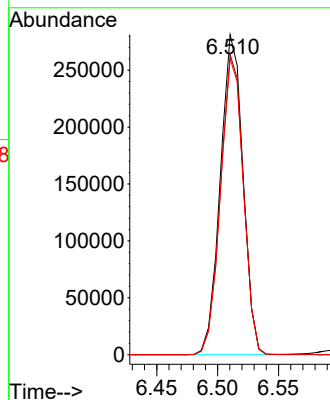
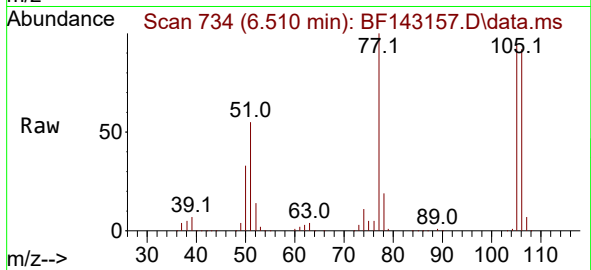




#9
Benzaldehyde
Concen: 43.912 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

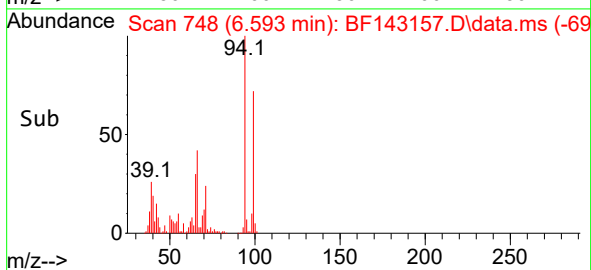
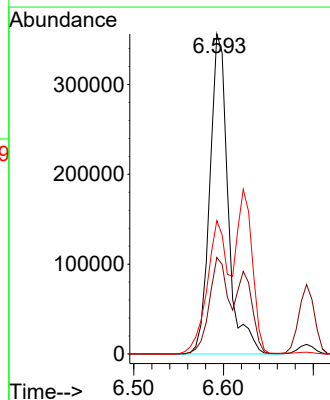
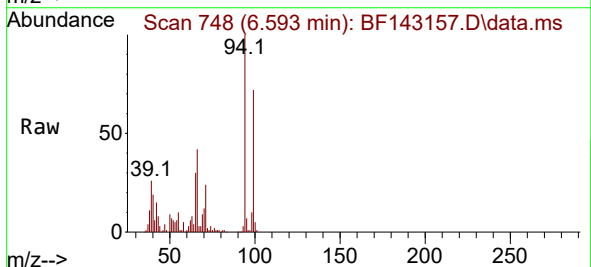
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

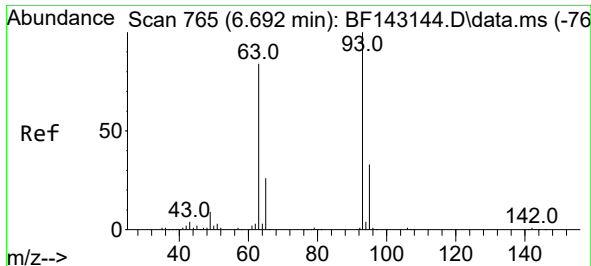
Tgt Ion: 77 Resp: 363665
Ion Ratio Lower Upper
77 100
105 93.8 76.8 116.8
106 92.5 74.4 114.4



#10
Phenol
Concen: 41.885 ng
RT: 6.593 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 94 Resp: 503953
Ion Ratio Lower Upper
94 100
65 30.2 10.0 50.0
66 41.6 20.8 60.8

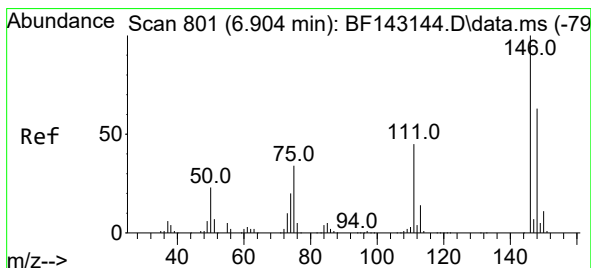
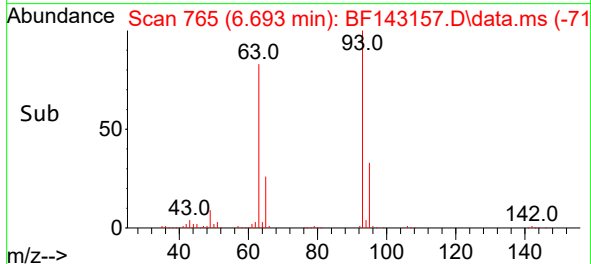
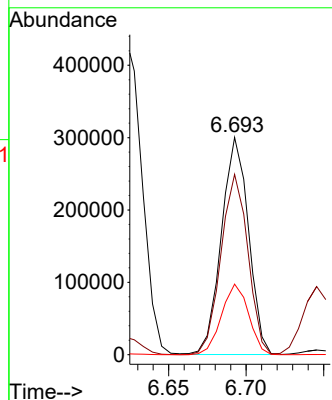
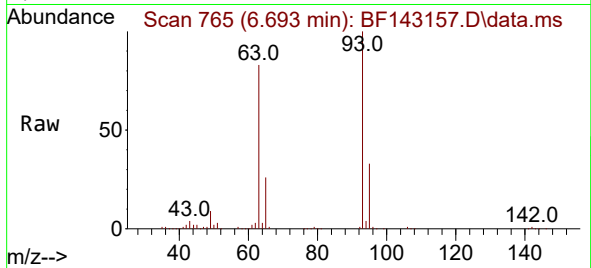




#11
bis(2-Chloroethyl)ether
Concen: 39.624 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

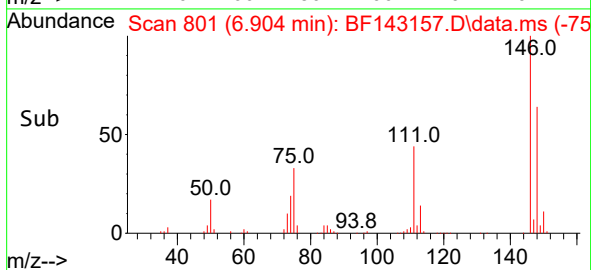
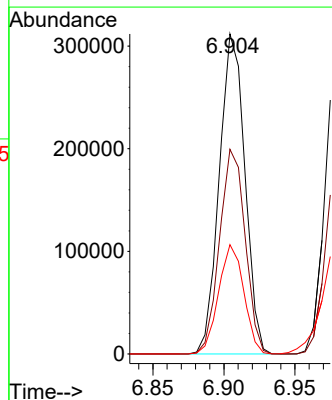
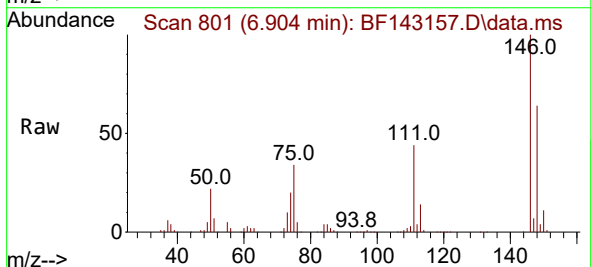
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

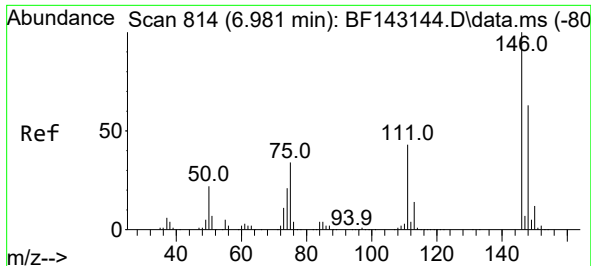
Tgt Ion: 93 Resp: 365030
Ion Ratio Lower Upper
93 100
63 82.9 63.4 103.4
95 32.5 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 39.082 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:146 Resp: 390492
Ion Ratio Lower Upper
146 100
148 63.9 50.6 76.0
75 34.2 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.023 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

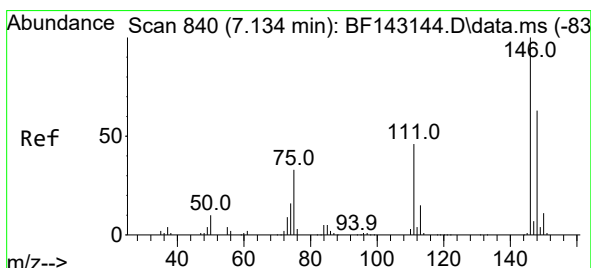
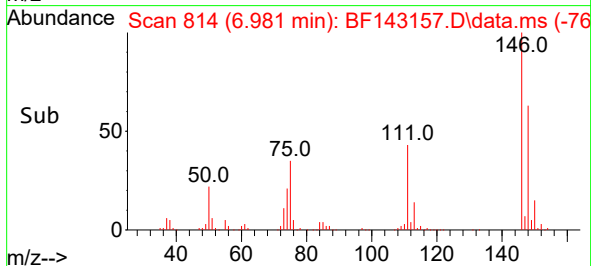
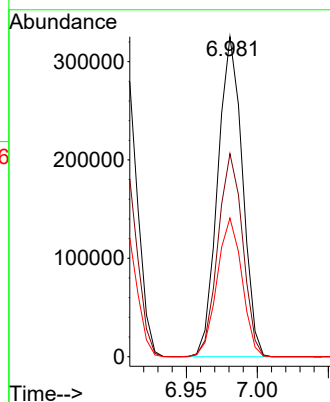
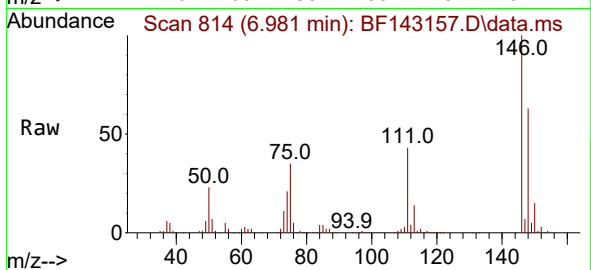
Tgt Ion:146 Resp: 392653

Ion Ratio Lower Upper

146 100

148 63.5 50.3 75.5

111 43.3 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 39.413 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

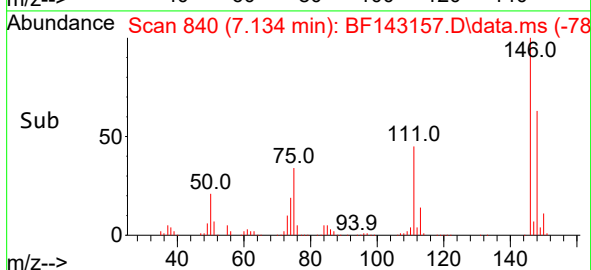
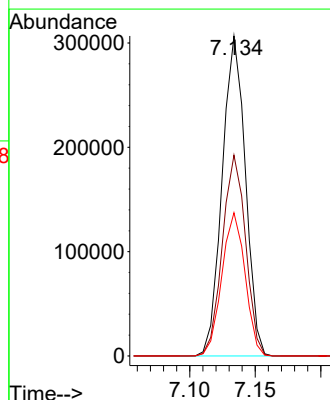
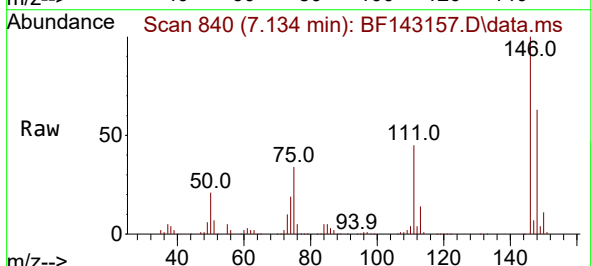
Tgt Ion:146 Resp: 377188

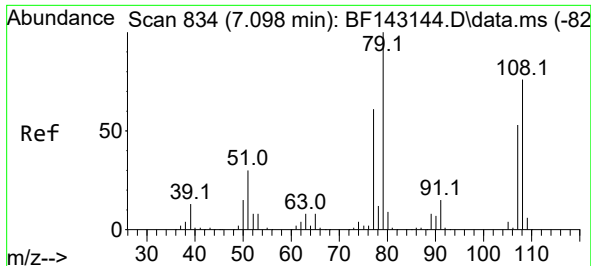
Ion Ratio Lower Upper

146 100

148 62.8 50.7 76.1

111 44.8 36.6 54.8

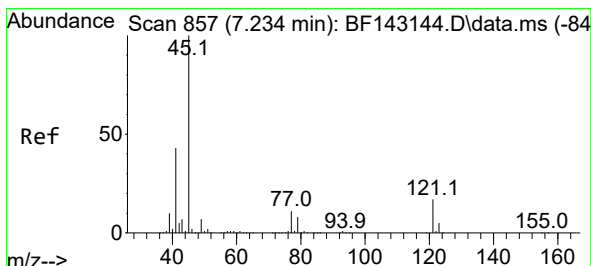
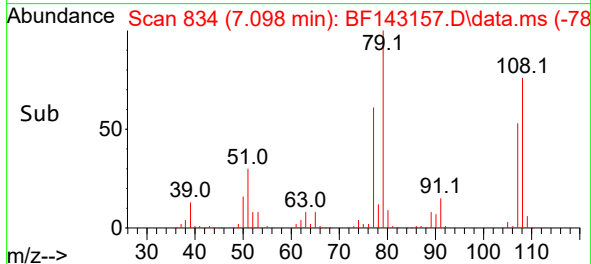
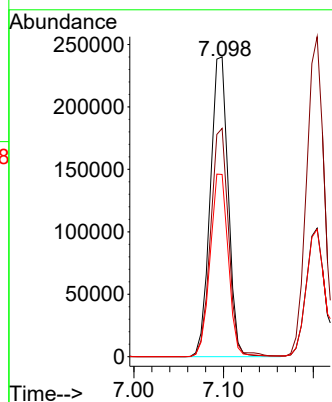
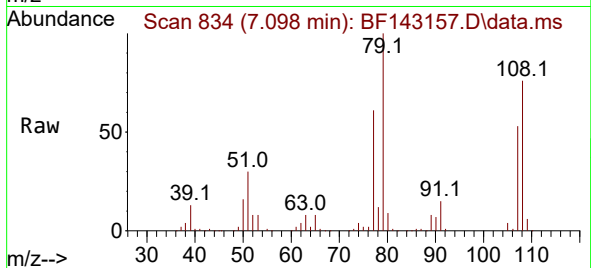




#15
Benzyl Alcohol
Concen: 39.613 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

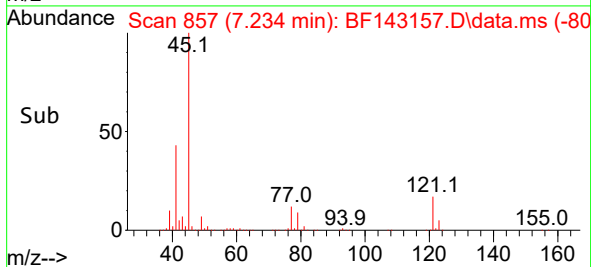
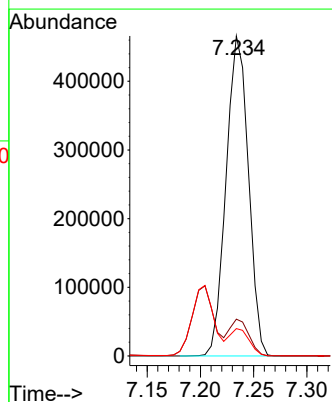
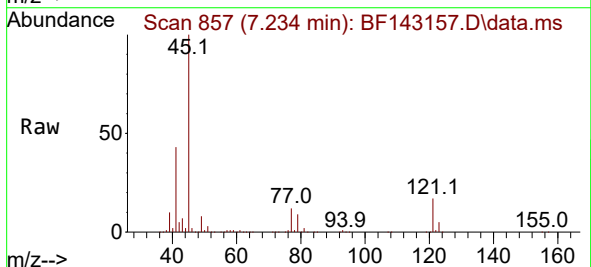
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

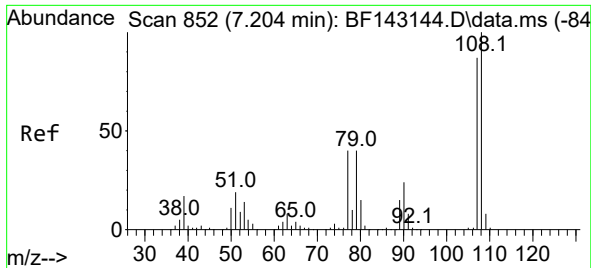
Tgt Ion: 79 Resp: 334056
Ion Ratio Lower Upper
79 100
108 76.1 61.1 91.7
77 60.8 48.9 73.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 39.695 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 45 Resp: 678356
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.2
79 8.6 0.0 28.5

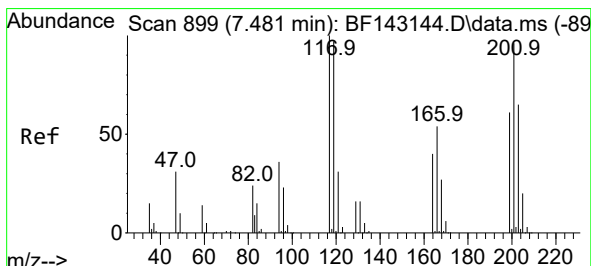
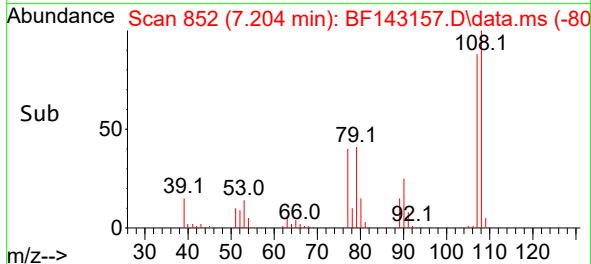
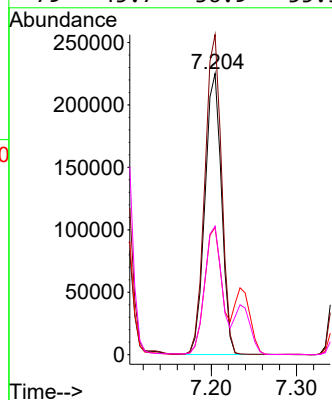
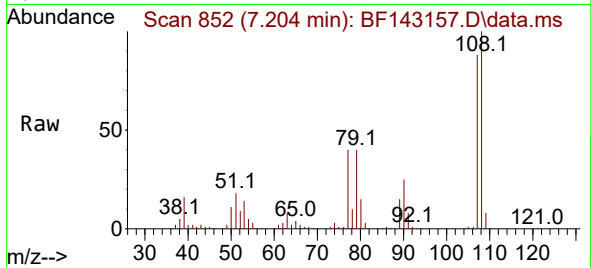




#17
2-Methylphenol
Concen: 39.283 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

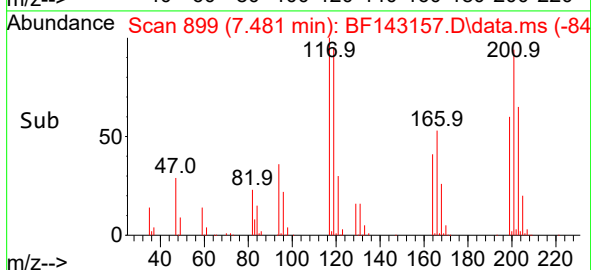
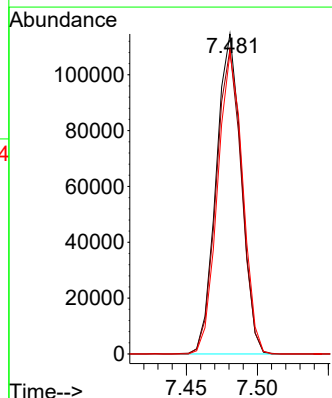
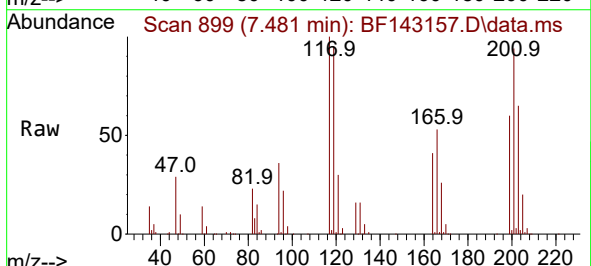
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

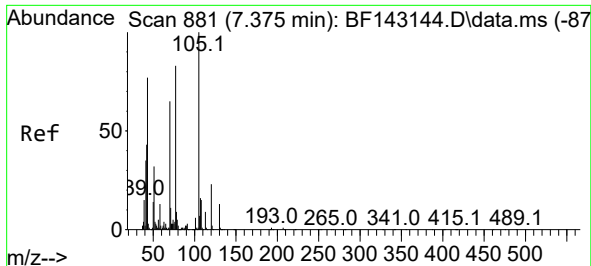
Tgt Ion:	107	Resp:	303796
Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.8	137.6
77	45.3	37.0	55.6
79	45.7	36.9	55.3



#18
Hexachloroethane
Concen: 40.502 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:	117	Resp:	141080
Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.8
201	94.1	77.0	115.4



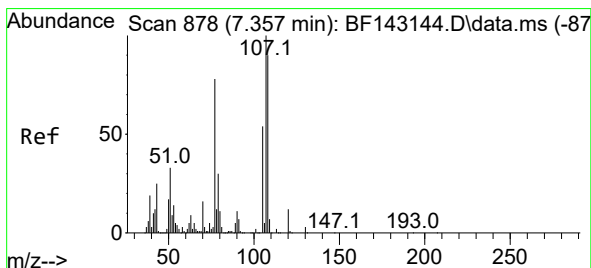
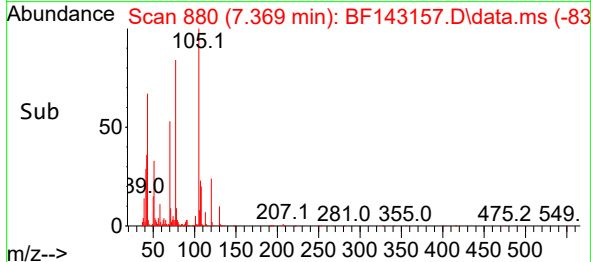
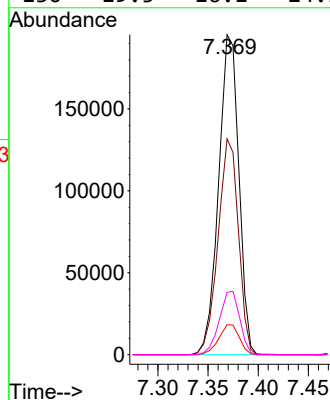
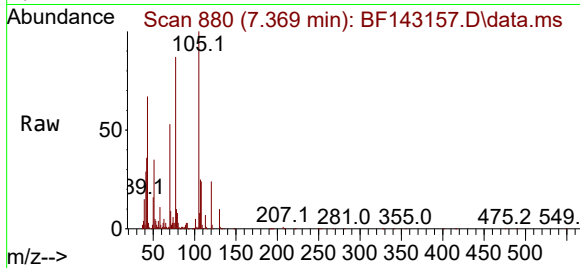


#19
n-Nitroso-di-n-propylamine
Concen: 38.561 ng
RT: 7.369 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 273232

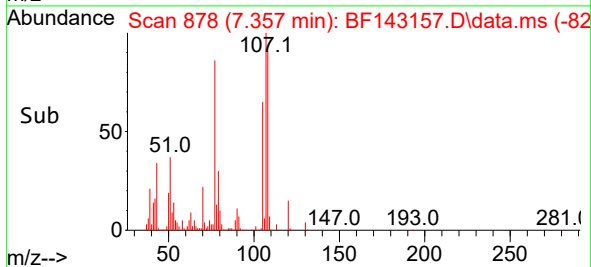
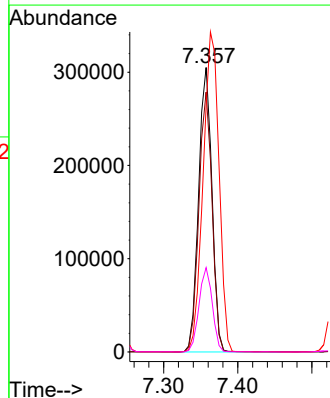
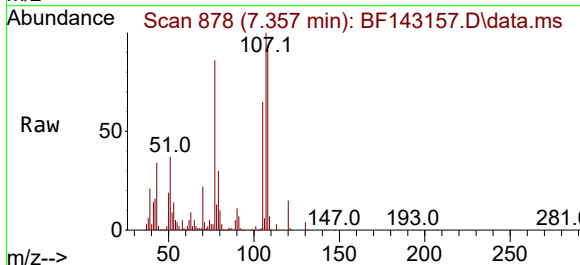
Ion	Ratio	Lower	Upper
70	100		
42	67.5	52.5	78.7
101	9.3	7.6	11.4
130	19.5	16.1	24.1

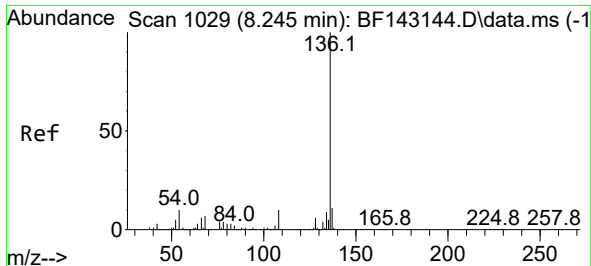


#20
3+4-Methylphenols
Concen: 40.698 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 107 Resp: 381861

Ion	Ratio	Lower	Upper
107	100		
108	91.3	70.0	110.0
77	86.4	57.8	97.8
79	29.6	9.5	49.5

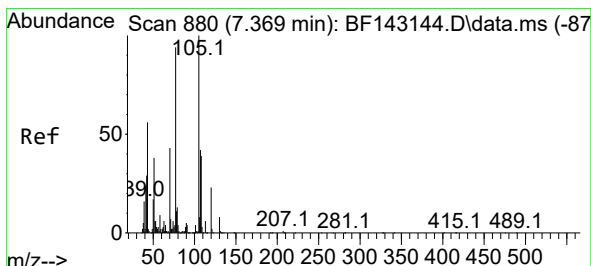
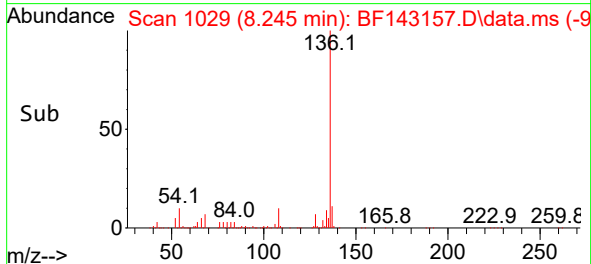
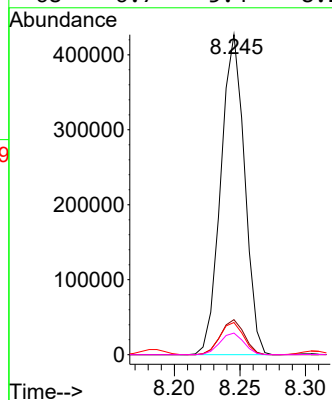
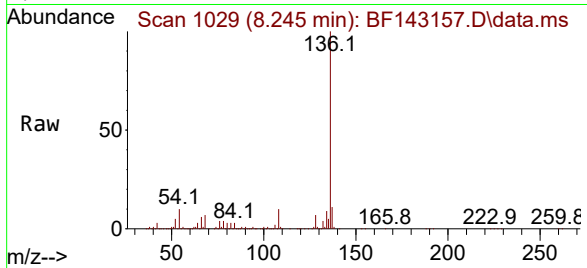




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

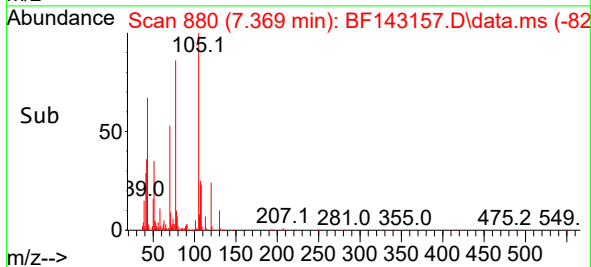
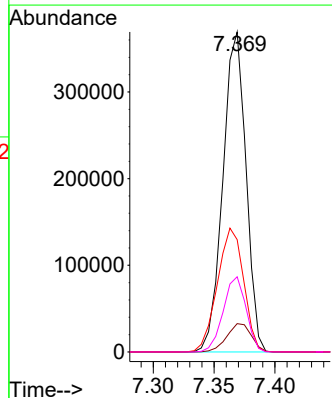
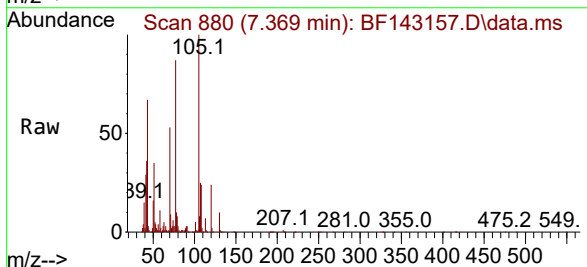
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

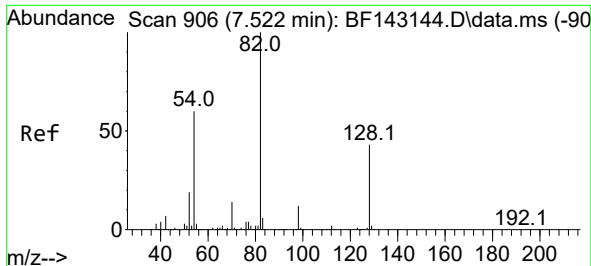
Tgt Ion:	136	Resp:	536902
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	10.0	8.2	12.2
68	6.7	5.4	8.2



#22
Acetophenone
Concen: 38.334 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:	105	Resp:	487279
Ion Ratio	Lower	Upper	
105	100		
71	8.9	5.8	8.6
51	35.1	30.2	45.2
120	23.5	18.2	27.4

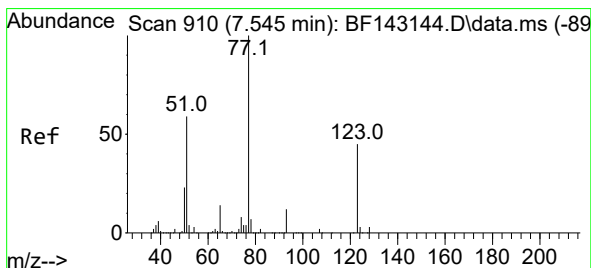
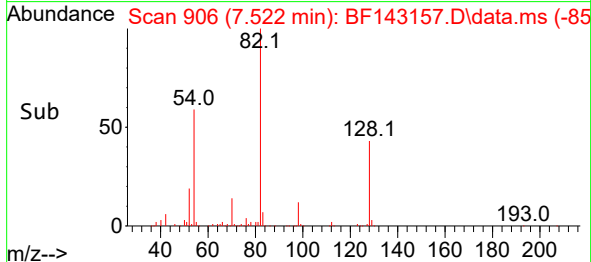
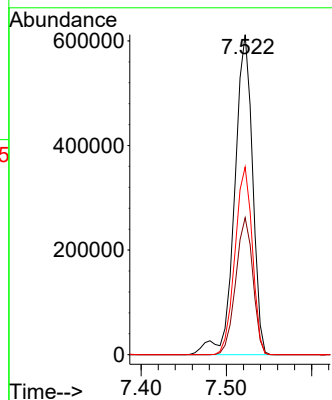
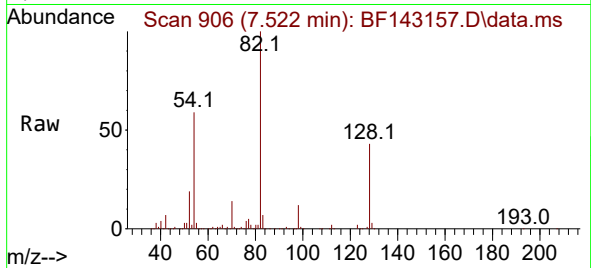




#23
Nitrobenzene-d5
Concen: 83.120 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

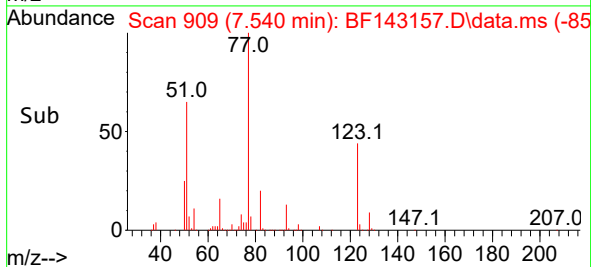
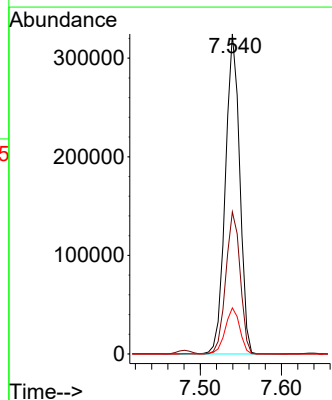
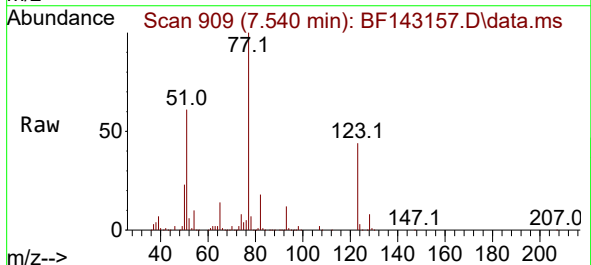
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

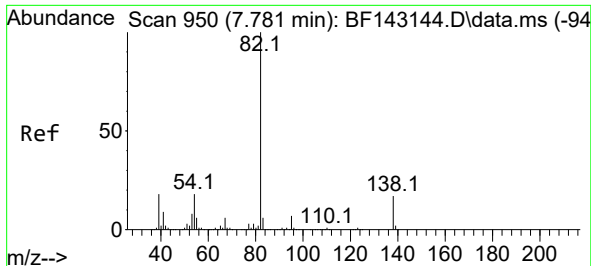
Tgt Ion: 82 Resp: 895287
Ion Ratio Lower Upper
82 100
128 42.8 33.6 50.4
54 58.6 47.1 70.7



#24
Nitrobenzene
Concen: 39.799 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 77 Resp: 399661
Ion Ratio Lower Upper
77 100
123 44.4 36.1 54.1
65 14.4 11.4 17.2

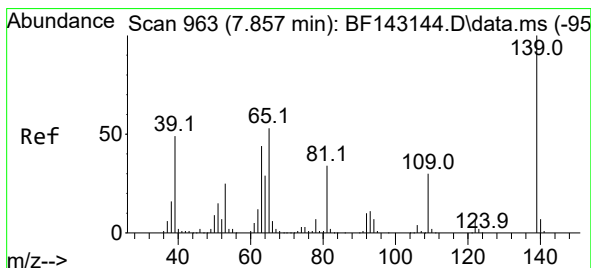
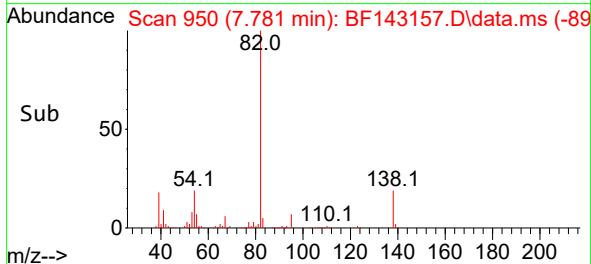
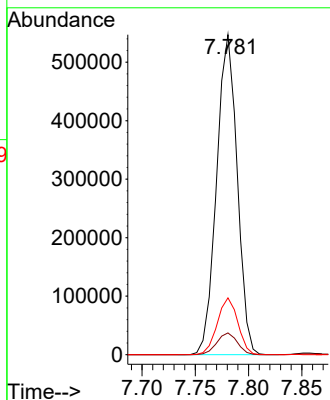
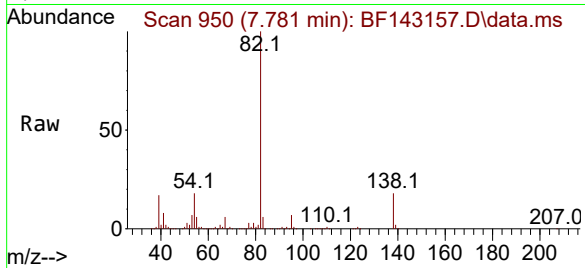




#25
Isophorone
Concen: 38.662 ng
RT: 7.781 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

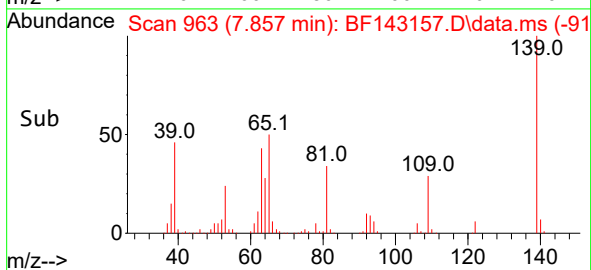
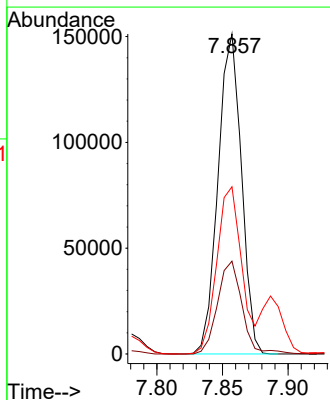
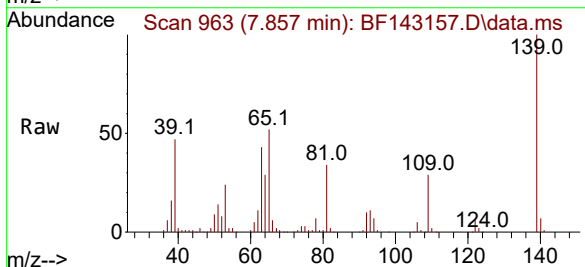
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

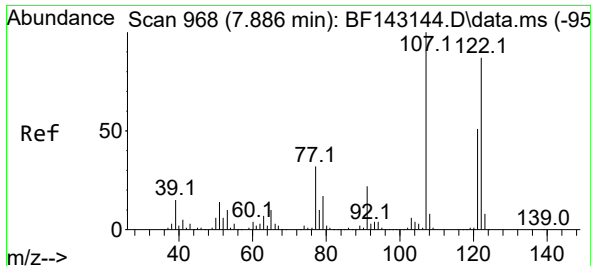
Tgt Ion: 82 Resp: 735124
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 17.8 13.8 20.8



#26
2-Nitrophenol
Concen: 43.005 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:139 Resp: 187422
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 52.3 42.6 64.0

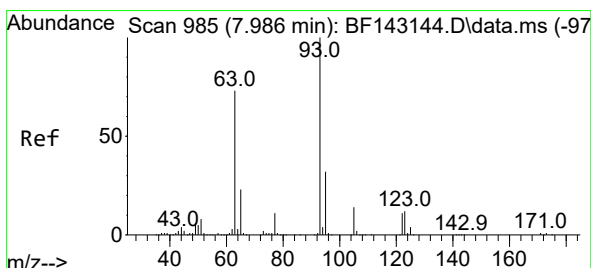
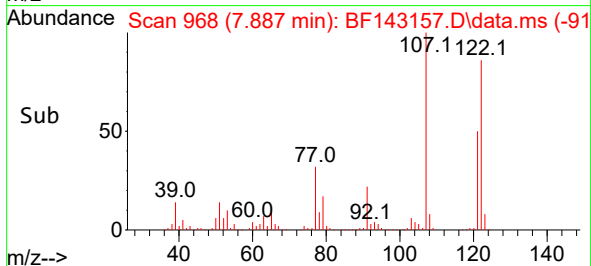
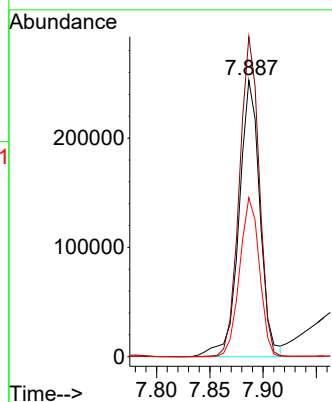
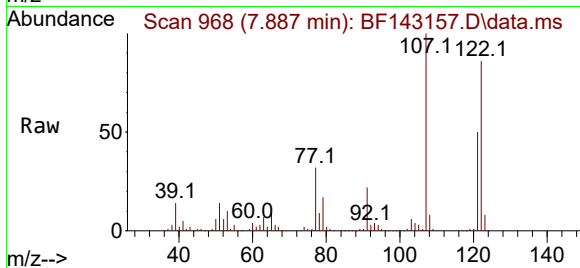




#27
2,4-Dimethylphenol
Concen: 38.914 ng
RT: 7.887 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

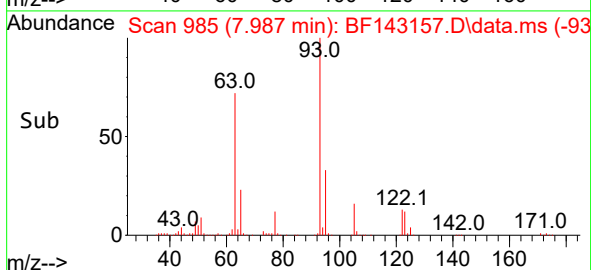
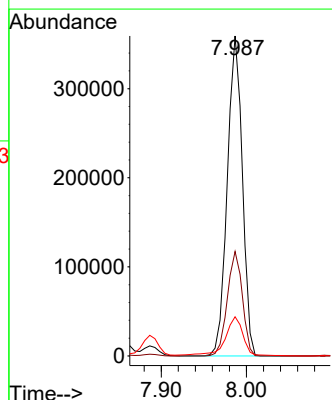
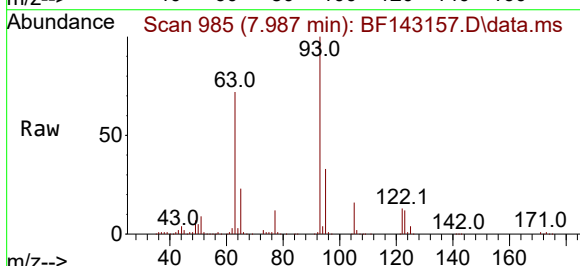
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

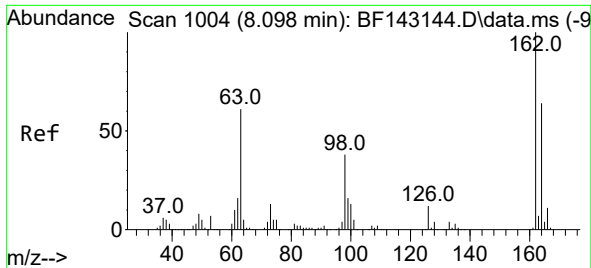
Tgt Ion:122 Resp: 345701
Ion Ratio Lower Upper
122 100
107 115.7 91.8 137.6
121 57.5 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 38.785 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 93 Resp: 442167
Ion Ratio Lower Upper
93 100
95 32.6 25.8 38.6
123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 39.168 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

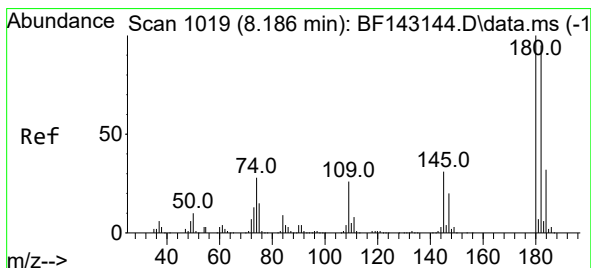
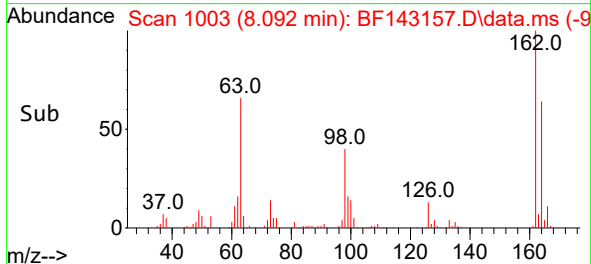
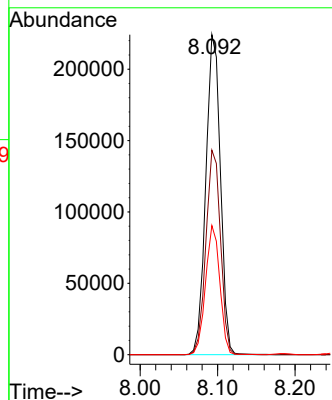
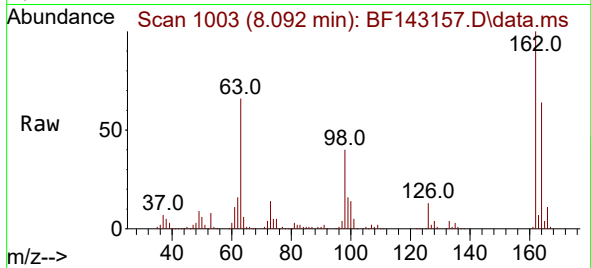
Tgt Ion:162 Resp: 293442

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

98 40.3 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 38.870 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

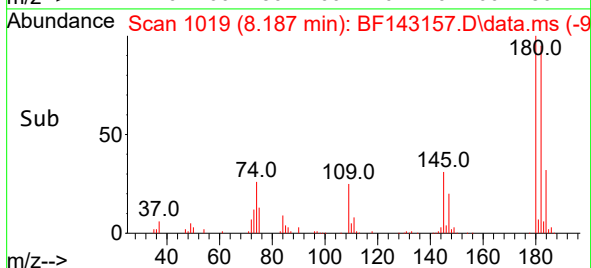
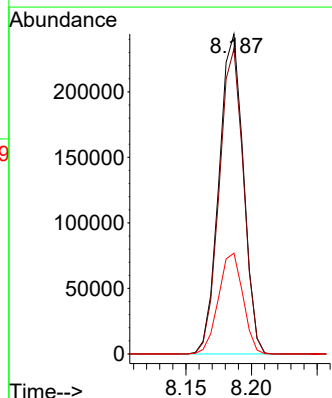
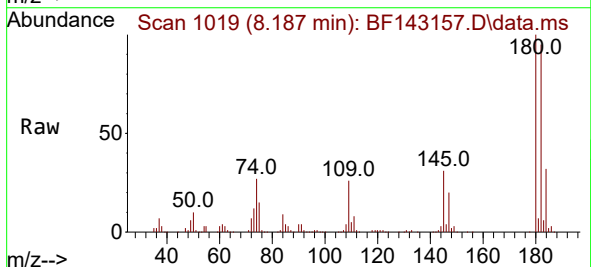
Tgt Ion:180 Resp: 314604

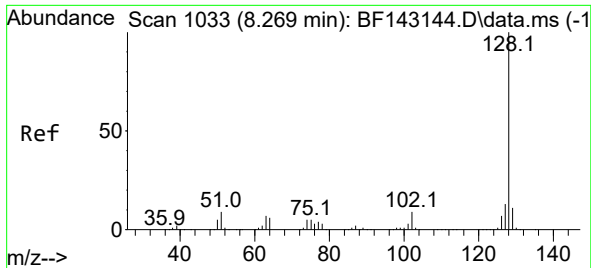
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

145 31.5 25.0 37.6

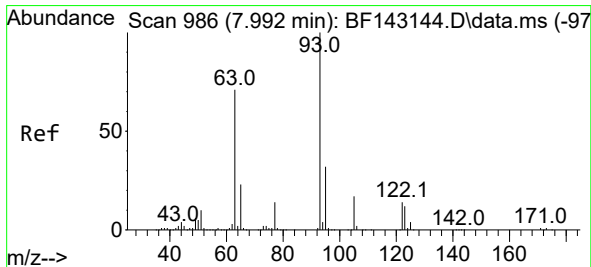
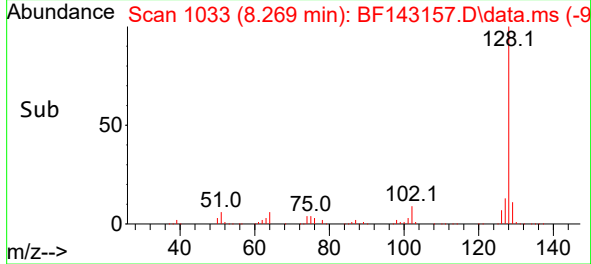
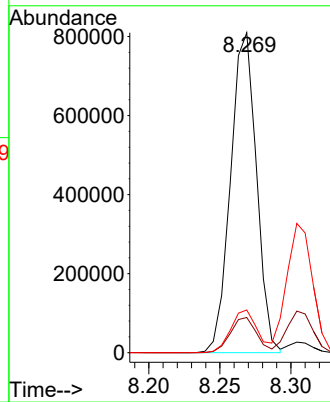
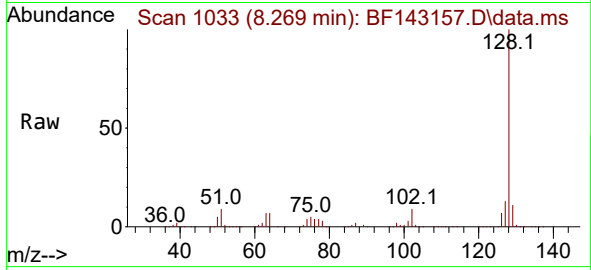




#31
Naphthalene
Concen: 38.883 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

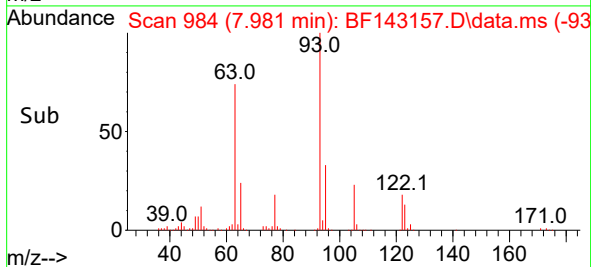
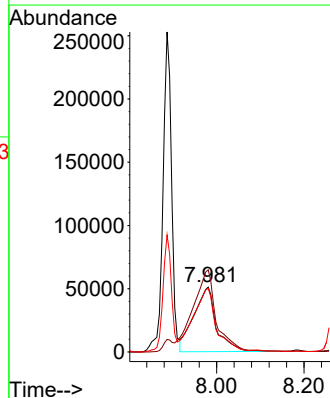
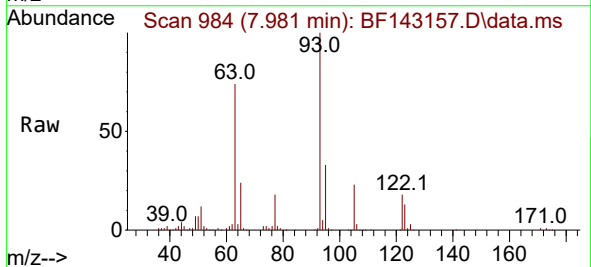
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

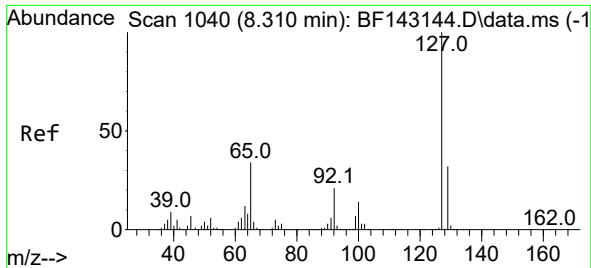
Tgt Ion:128 Resp: 1028140
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 38.171 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:122 Resp: 185065
Ion Ratio Lower Upper
122 100
105 126.5 104.8 144.8
77 98.3 77.6 117.6

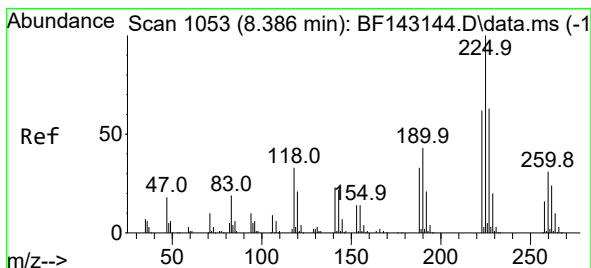
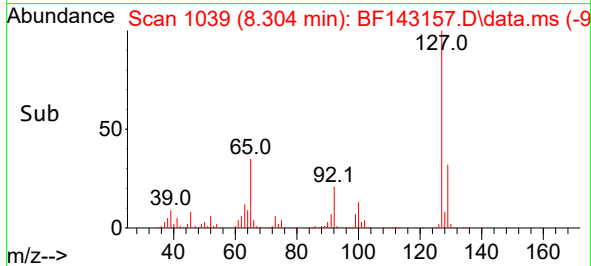
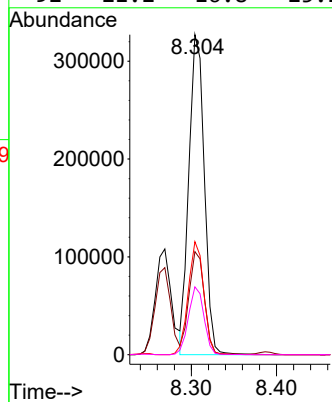
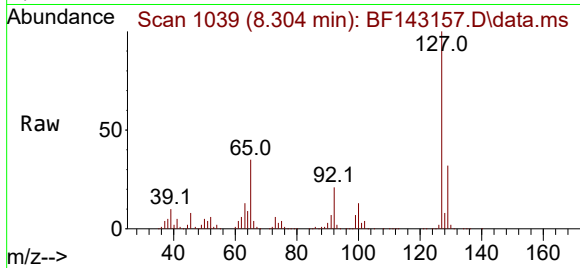




#33
4-Chloroaniline
Concen: 38.161 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

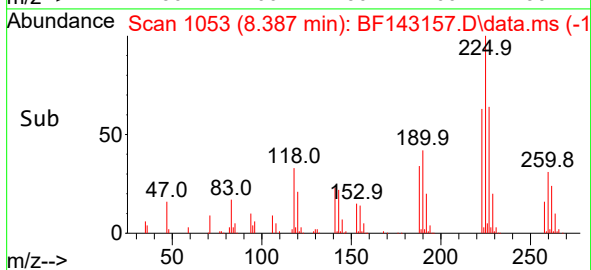
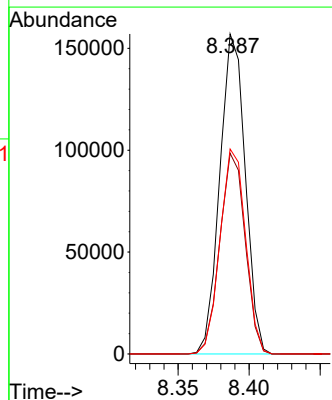
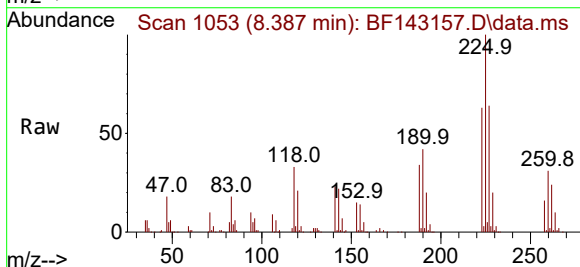
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

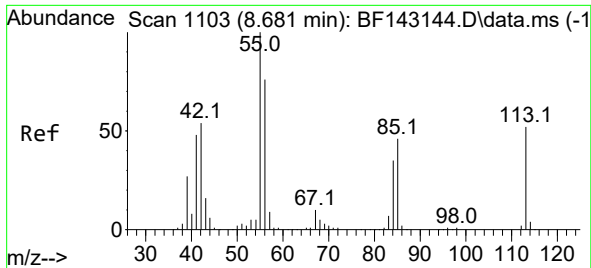
Tgt Ion:	127	Resp:	412017
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	35.3	27.4	41.2
92	21.2	16.8	25.2



#34
Hexachlorobutadiene
Concen: 39.537 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:	225	Resp:	195484
Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.8	74.6
227	64.0	50.2	75.4

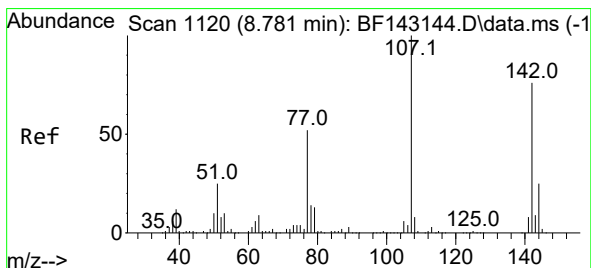
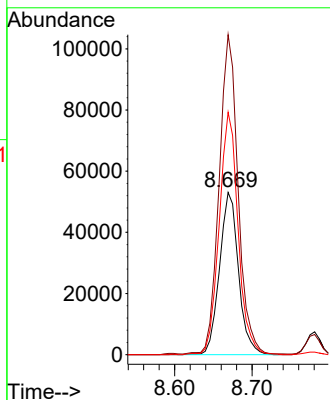
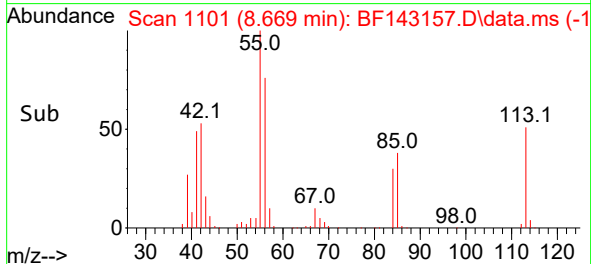
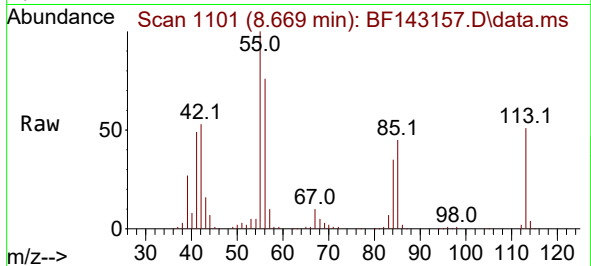




#35
 Caprolactam
 Concen: 39.790 ng
 RT: 8.669 min Scan# 1101
 Delta R.T. -0.012 min
 Lab File: BF143157.D
 Acq: 17 Jul 2025 19:37

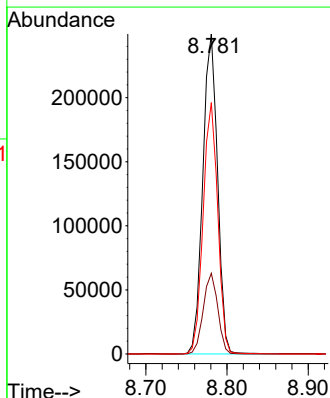
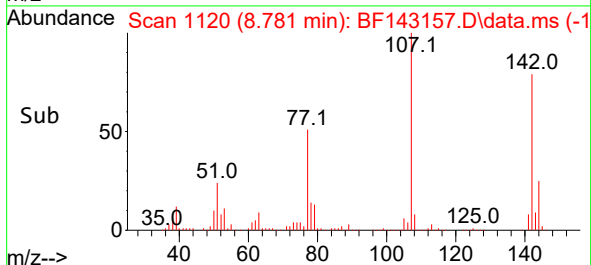
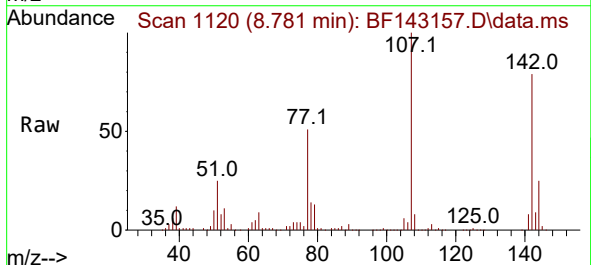
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

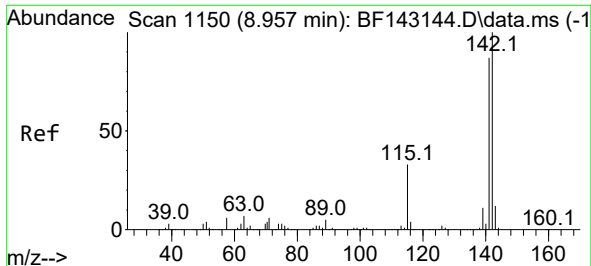
Tgt Ion:113 Resp: 90080
 Ion Ratio Lower Upper
 113 100
 55 197.2 174.0 214.0
 56 149.4 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 38.598 ng
 RT: 8.781 min Scan# 1120
 Delta R.T. 0.000 min
 Lab File: BF143157.D
 Acq: 17 Jul 2025 19:37

Tgt Ion:107 Resp: 314299
 Ion Ratio Lower Upper
 107 100
 144 25.2 19.8 29.6
 142 78.5 60.6 90.8

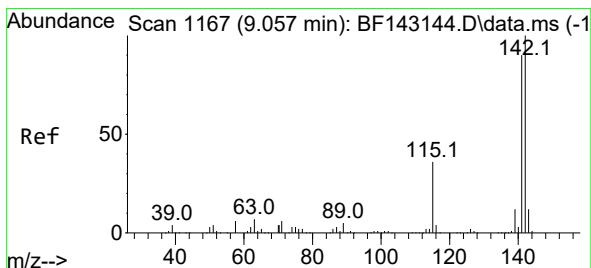
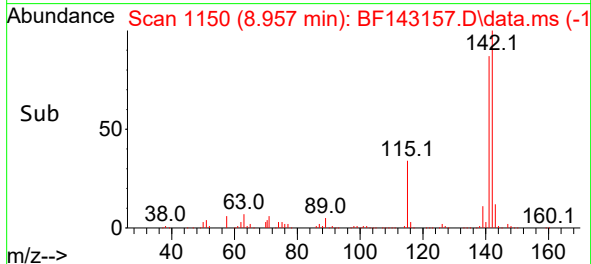
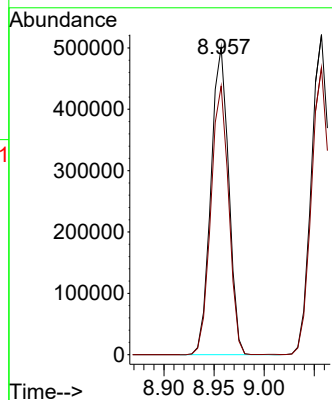
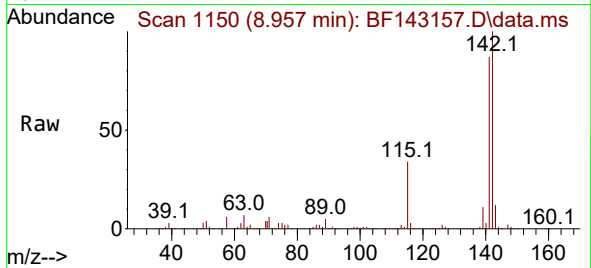




#37
2-Methylnaphthalene
Concen: 38.490 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

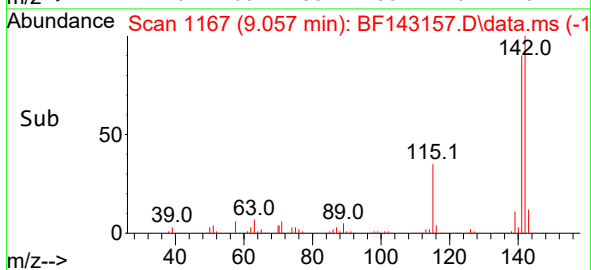
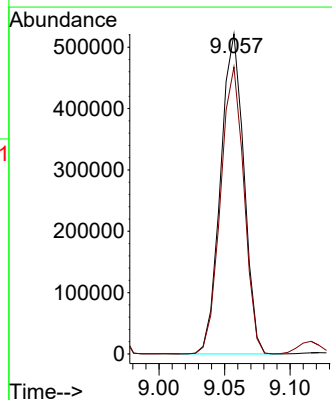
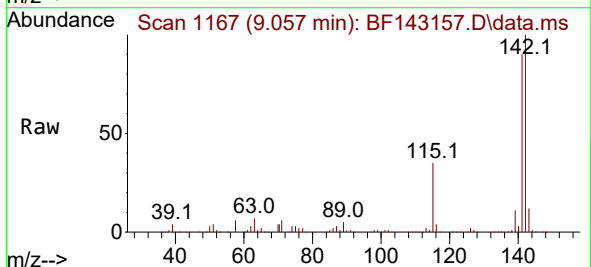
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

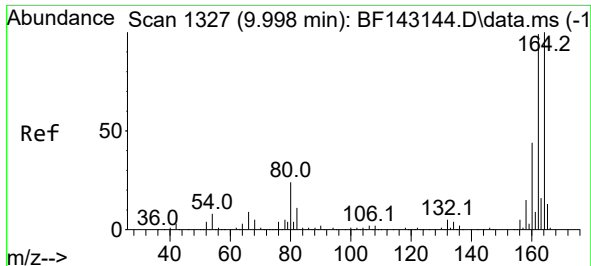
Tgt Ion:142 Resp: 619310
Ion Ratio Lower Upper
142 100
141 87.3 69.9 104.9



#38
1-Methylnaphthalene
Concen: 38.919 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:142 Resp: 644847
Ion Ratio Lower Upper
142 100
141 89.7 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

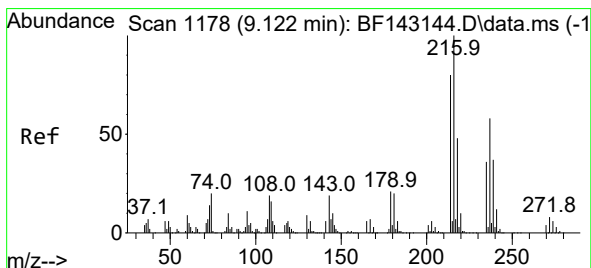
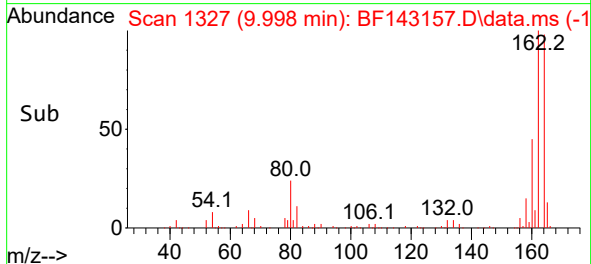
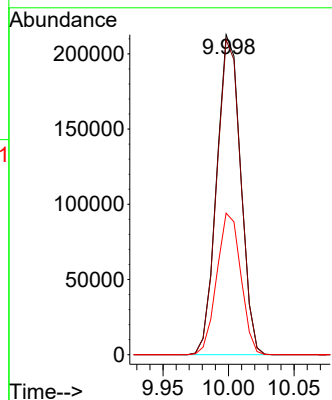
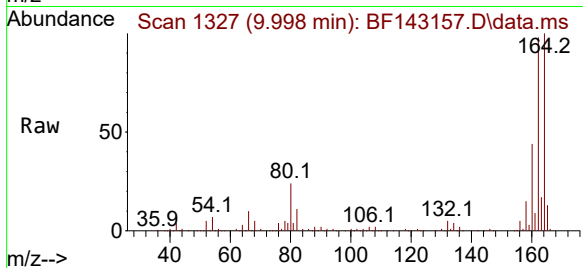
Tgt Ion:164 Resp: 269673

Ion Ratio Lower Upper

164 100

162 98.4 79.0 118.6

160 44.3 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.116 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Tgt Ion:216 Resp: 304551

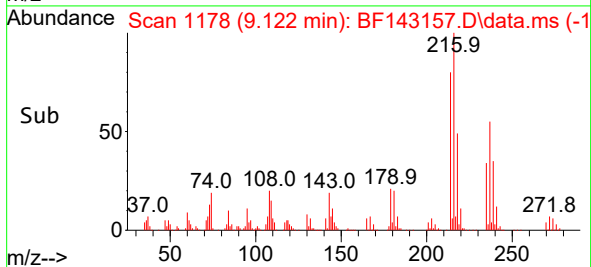
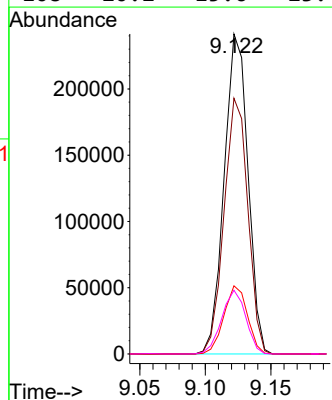
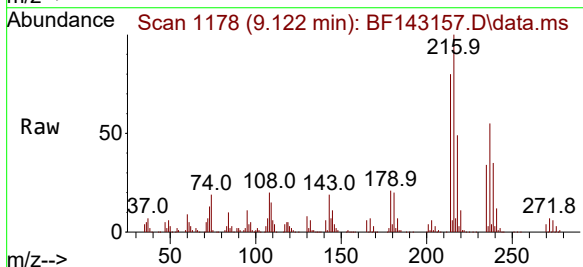
Ion Ratio Lower Upper

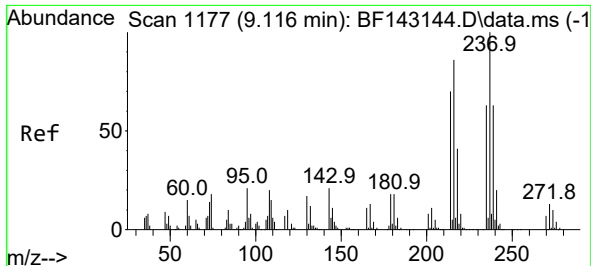
216 100

214 79.8 63.8 95.8

179 21.1 16.4 24.6

108 20.2 15.6 23.4

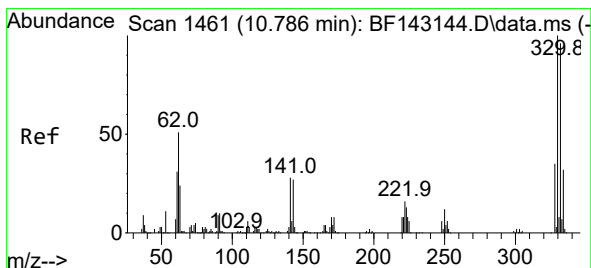
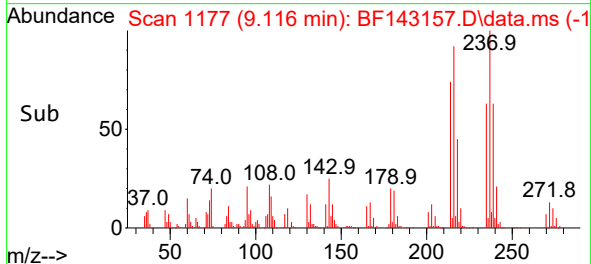
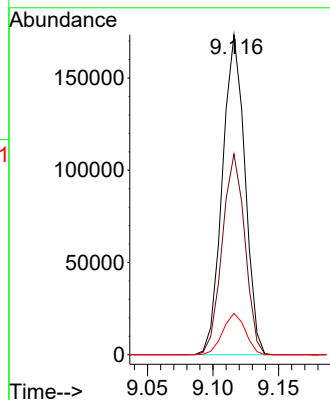
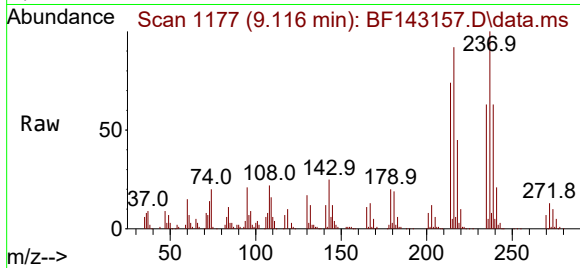




#41
Hexachlorocyclopentadiene
Concen: 40.834 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

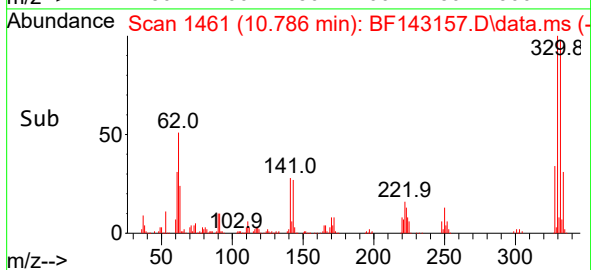
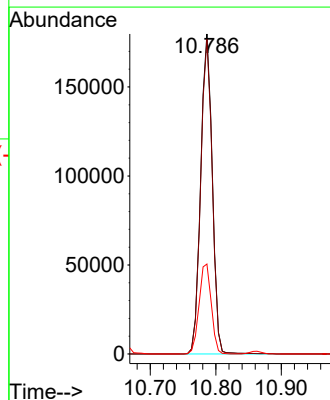
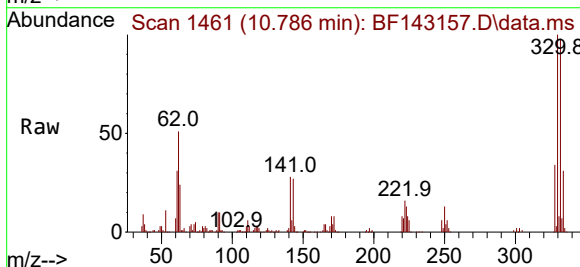
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

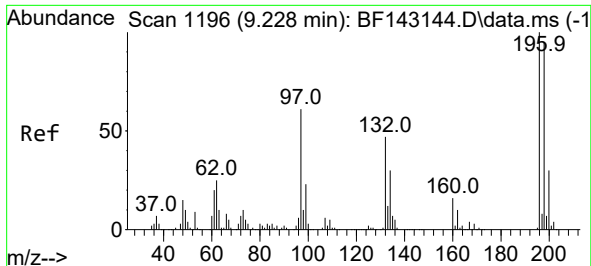
Tgt Ion:237 Resp: 206865
Ion Ratio Lower Upper
237 100
235 62.7 43.0 83.0
272 12.9 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 79.508 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:330 Resp: 221500
Ion Ratio Lower Upper
330 100
332 97.9 76.7 115.1
141 29.5 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 38.954 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143157.D

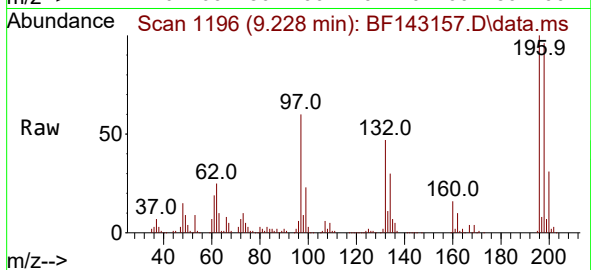
Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



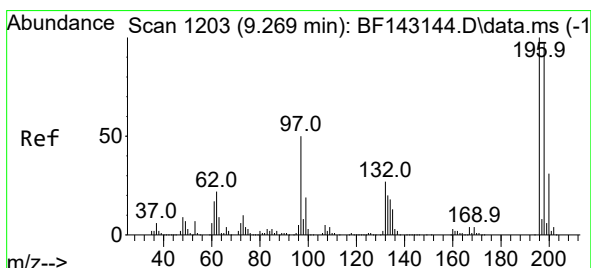
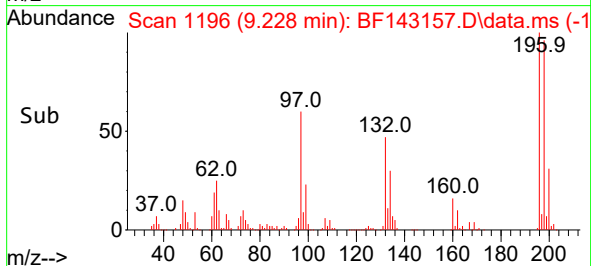
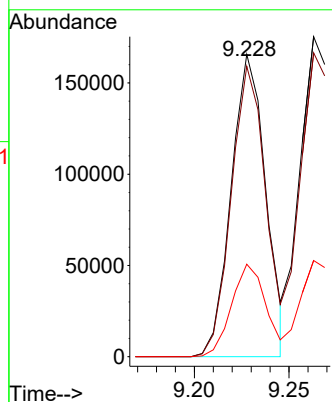
Tgt Ion:196 Resp: 209902

Ion Ratio Lower Upper

196 100

198 96.1 76.2 114.2

200 30.6 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 40.808 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Tgt Ion:196 Resp: 219957

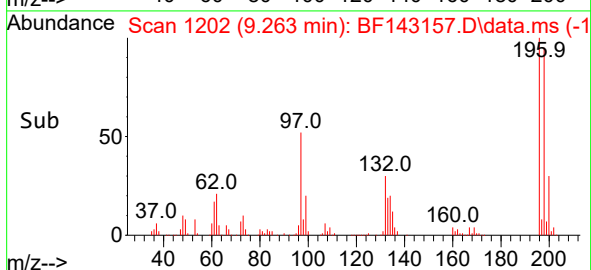
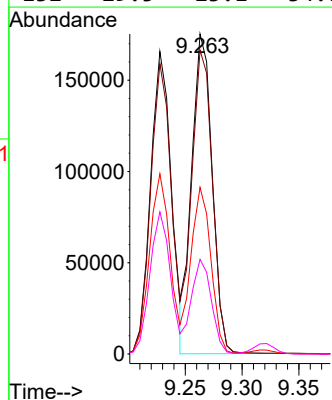
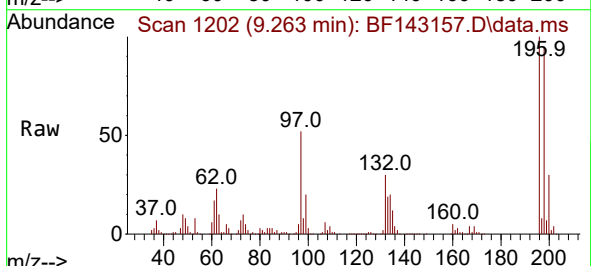
Ion Ratio Lower Upper

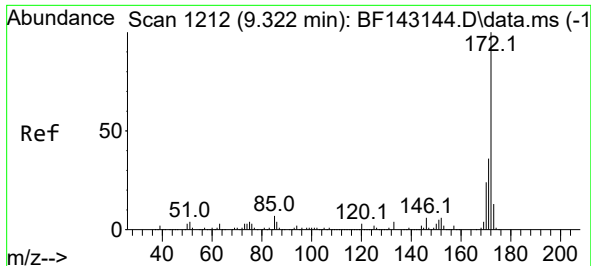
196 100

198 94.9 77.3 115.9

97 52.1 40.3 60.5

132 29.5 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 77.029 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

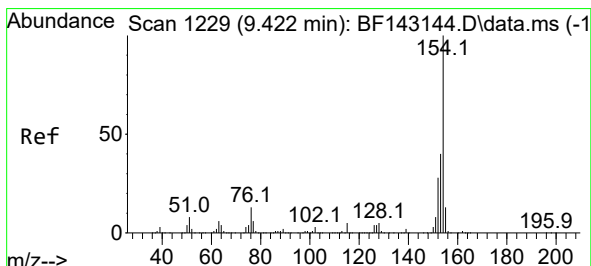
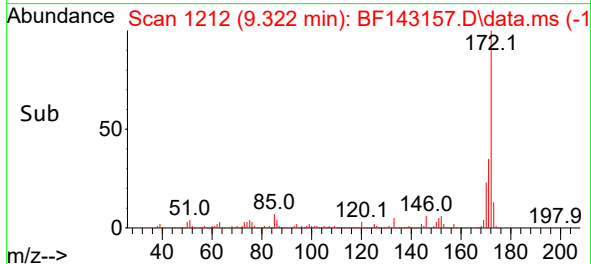
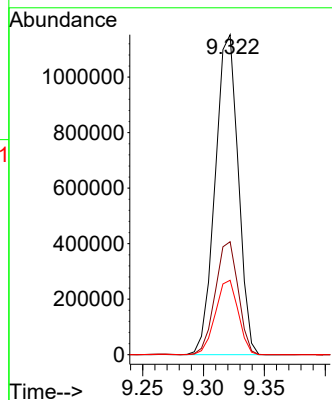
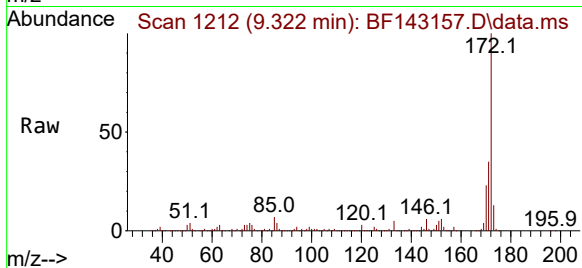
Tgt Ion:172 Resp: 1518879

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.3 18.8 28.2



#46

1,1'-Biphenyl

Concen: 39.502 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

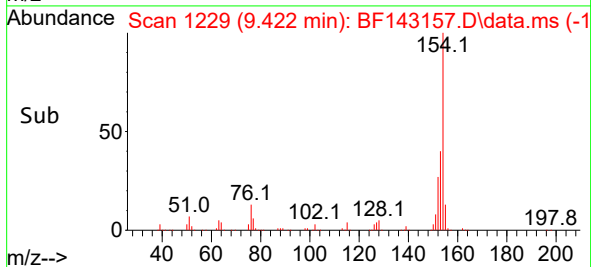
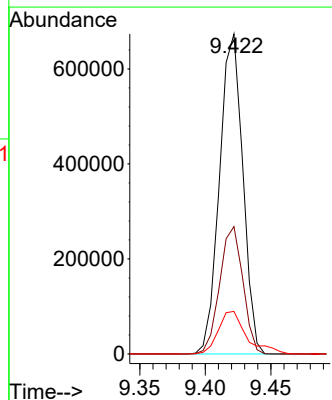
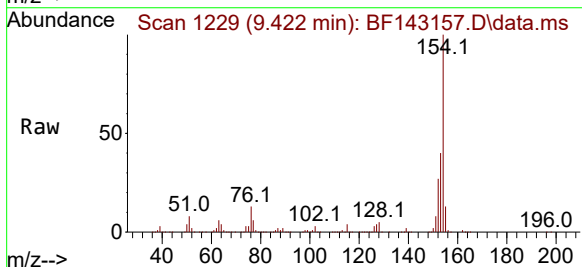
Tgt Ion:154 Resp: 831115

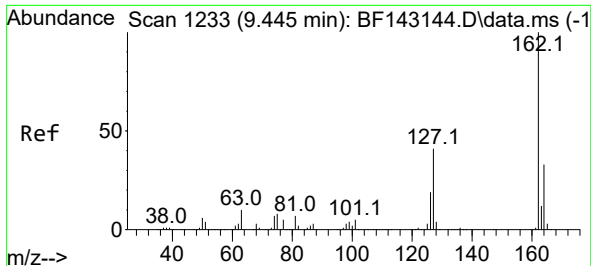
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 13.3 0.0 33.3





#47

2-Chloronaphthalene

Concen: 38.970 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

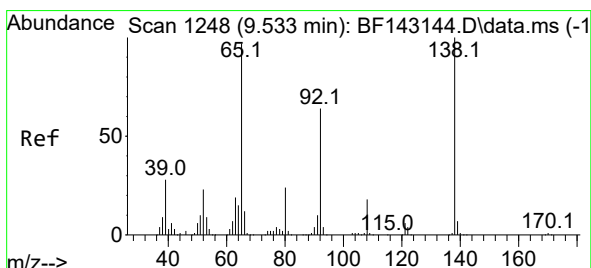
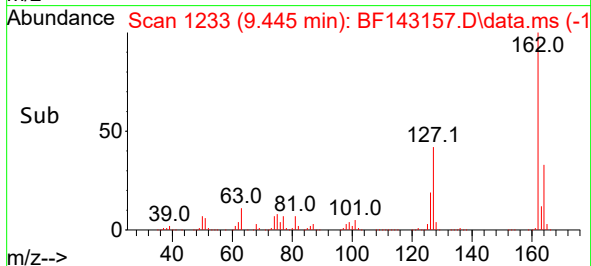
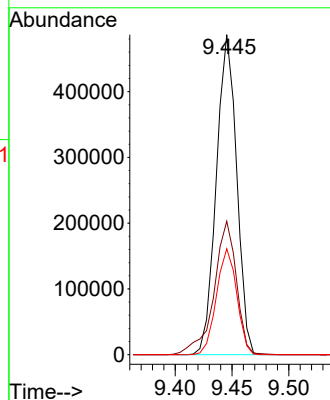
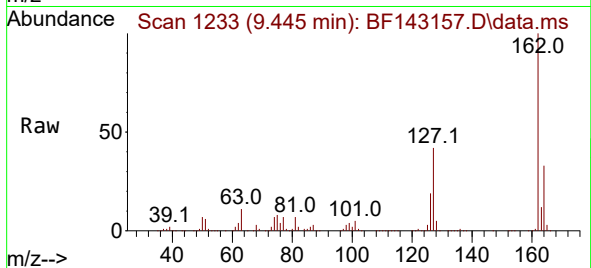
Tgt Ion:162 Resp: 606685

Ion Ratio Lower Upper

162 100

127 41.7 33.4 50.2

164 33.1 26.2 39.2



#48

2-Nitroaniline

Concen: 42.151 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

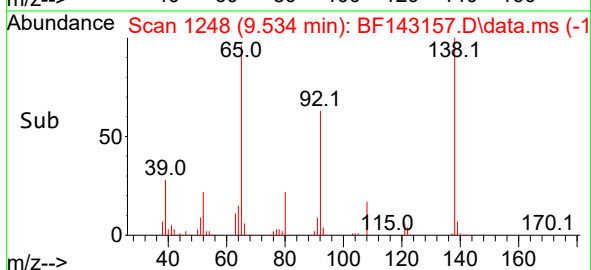
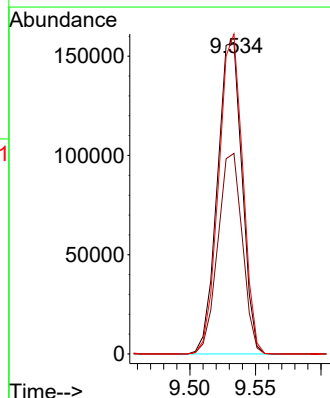
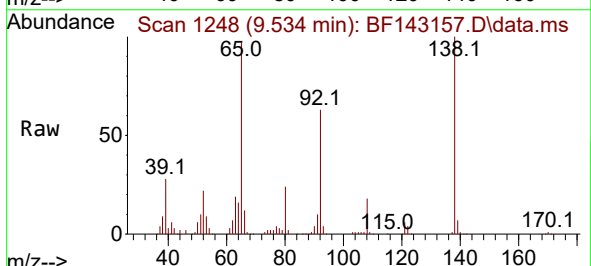
Tgt Ion: 65 Resp: 205784

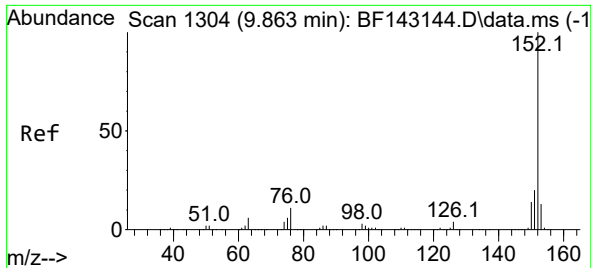
Ion Ratio Lower Upper

65 100

92 64.3 52.4 78.6

138 102.6 82.3 123.5

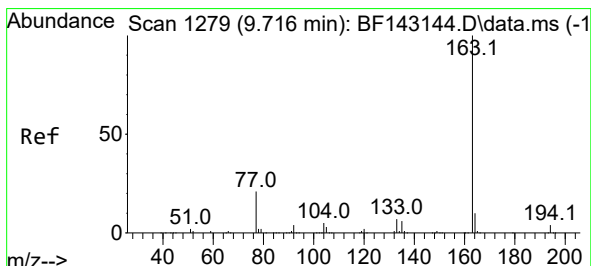
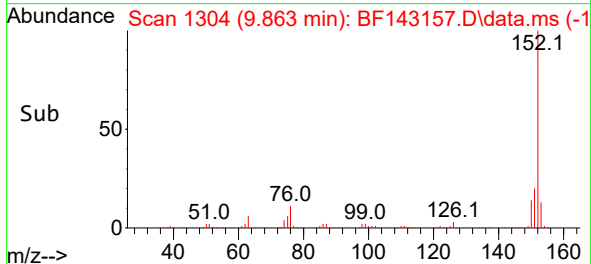
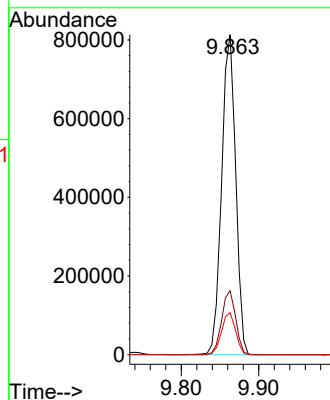
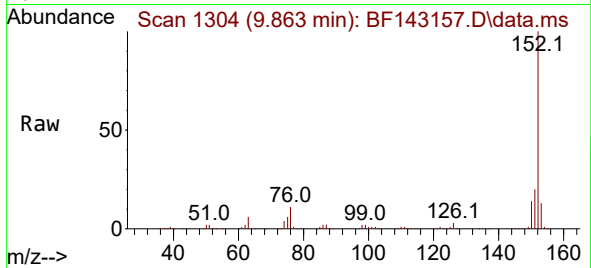




#49
Acenaphthylene
Concen: 39.148 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

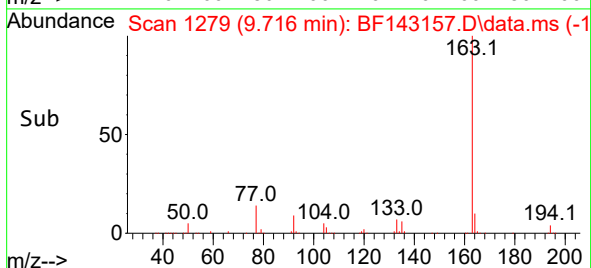
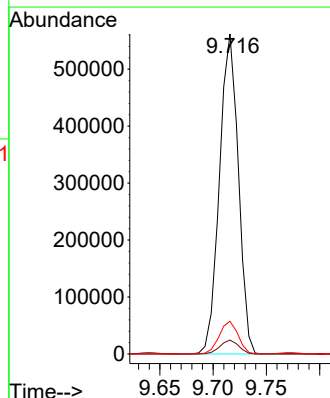
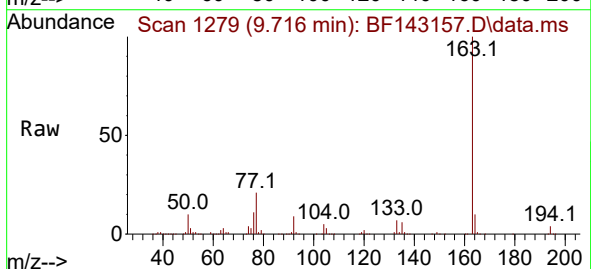
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

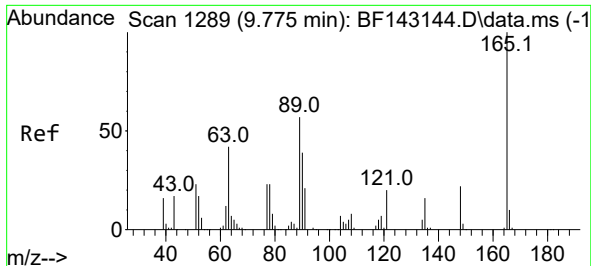
Tgt Ion:152 Resp: 1021363
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.1 10.6 16.0



#50
Dimethylphthalate
Concen: 39.347 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:163 Resp: 691652
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.2 8.3 12.5

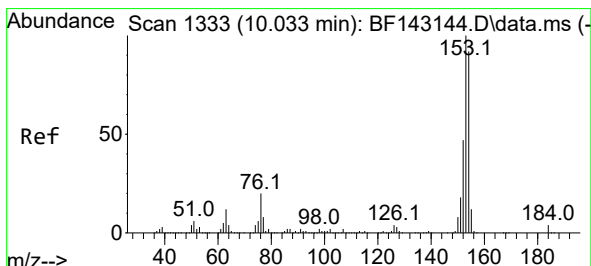
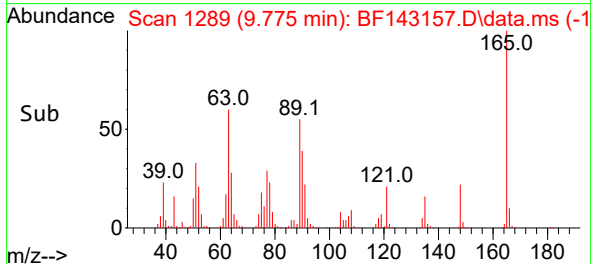
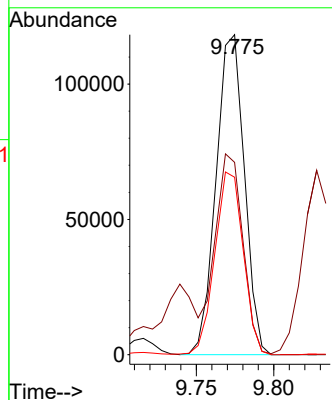
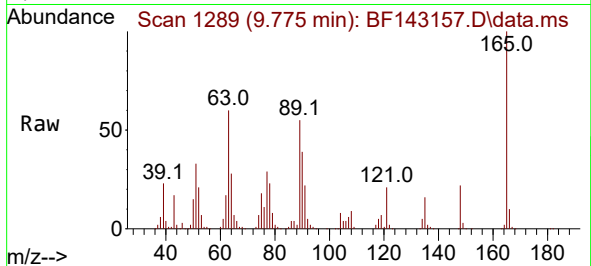




#51
2,6-Dinitrotoluene
Concen: 42.067 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

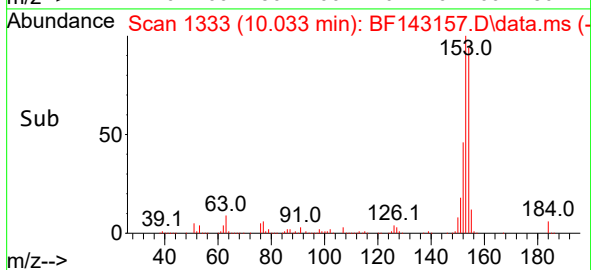
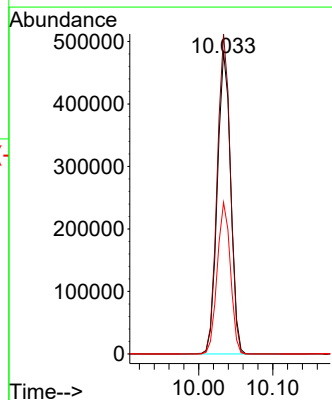
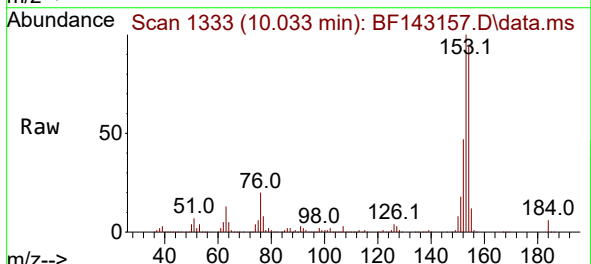
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

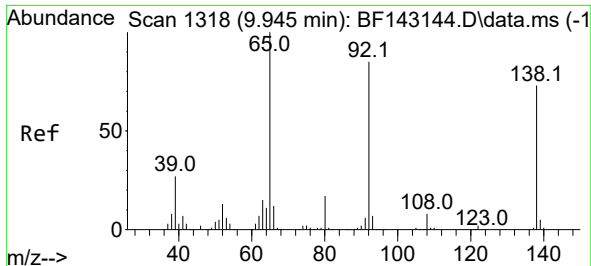
Tgt Ion:165 Resp: 150428
Ion Ratio Lower Upper
165 100
63 60.1 49.4 74.2
89 55.5 46.2 69.2



#52
Acenaphthene
Concen: 39.237 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:154 Resp: 605034
Ion Ratio Lower Upper
154 100
153 106.0 86.6 129.8
152 50.2 40.4 60.6

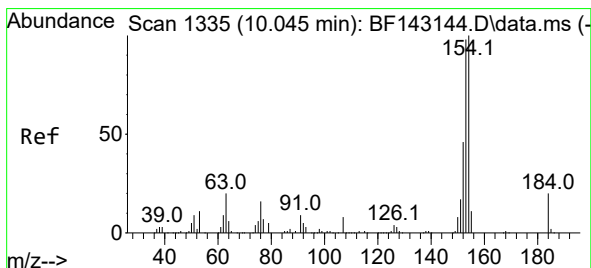
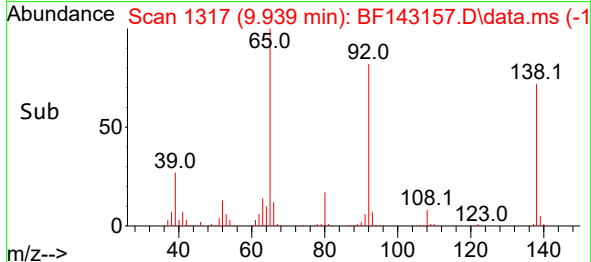
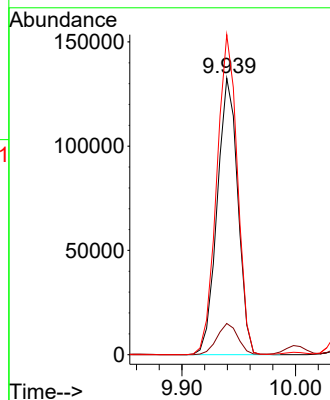
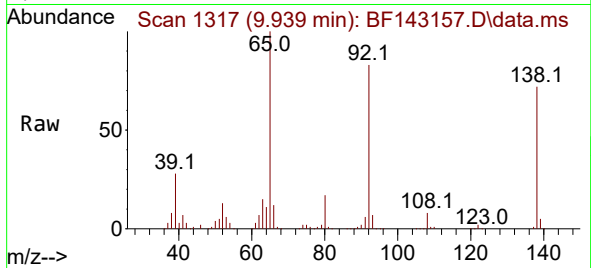




#53
3-Nitroaniline
Concen: 40.028 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

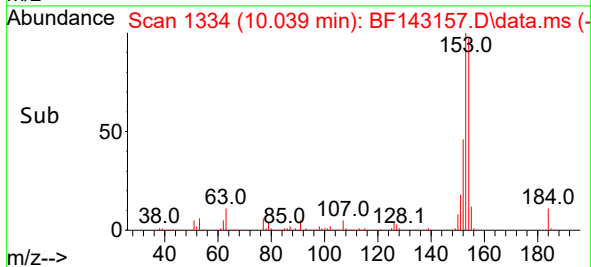
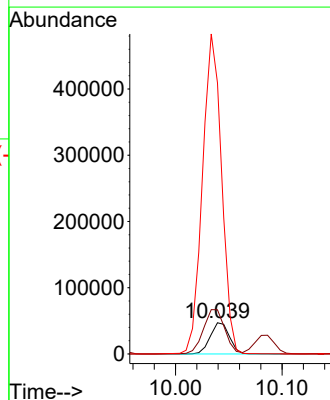
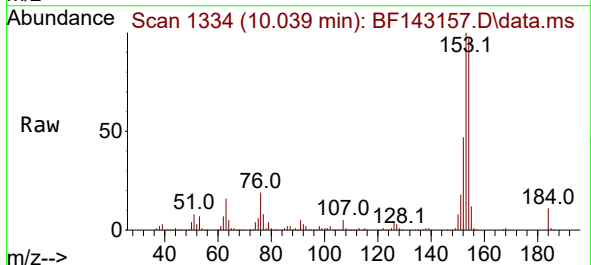
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

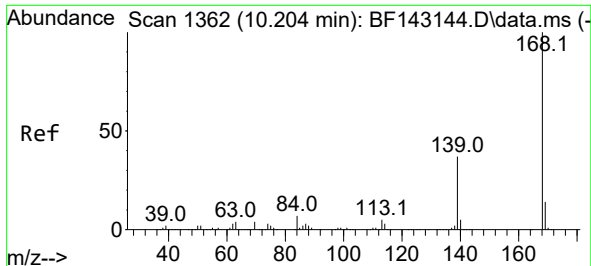
Tgt Ion:138 Resp: 167420
Ion Ratio Lower Upper
138 100
108 11.3 9.0 13.6
92 115.7 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 39.960 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:184 Resp: 58866
Ion Ratio Lower Upper
184 100
63 141.1 81.8 122.6#
154 866.7 412.2 618.4#

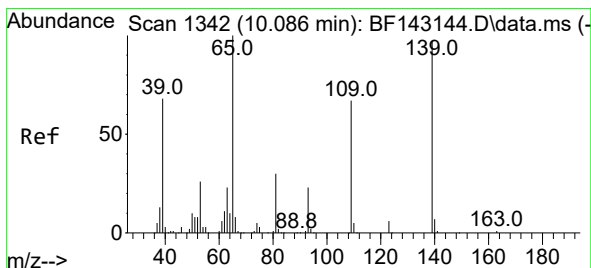
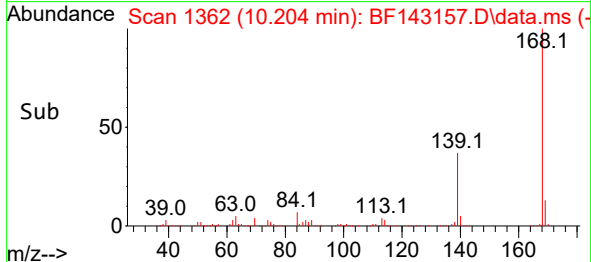
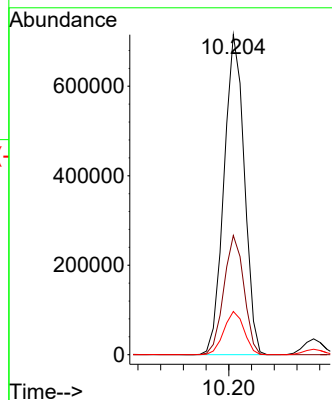
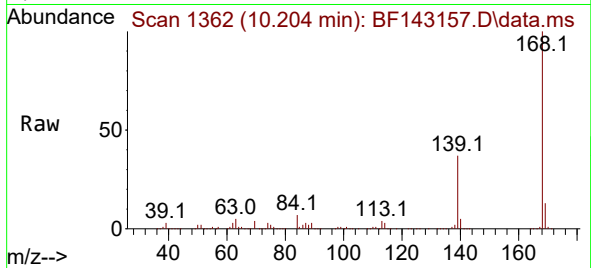




#55
Dibenzofuran
Concen: 38.841 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

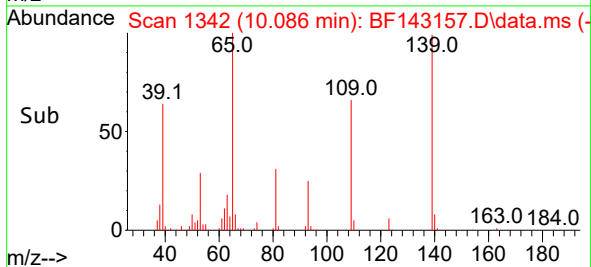
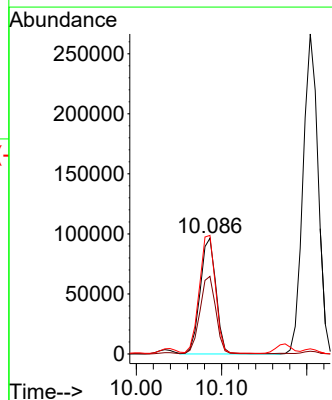
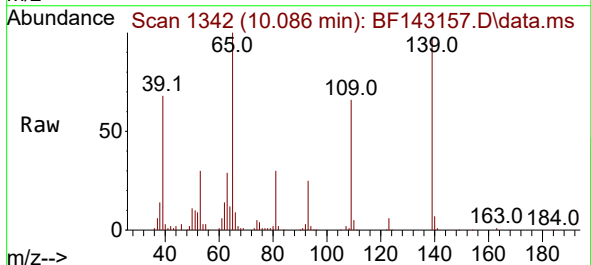
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

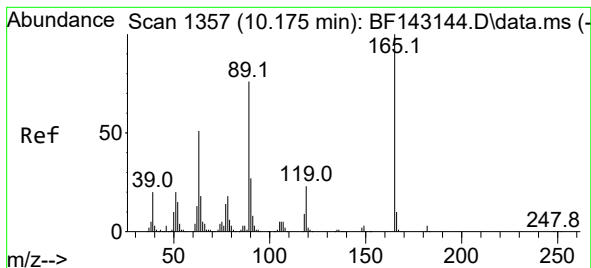
Tgt Ion:168 Resp: 889222
Ion Ratio Lower Upper
168 100
139 37.3 29.5 44.3
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 40.040 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:139 Resp: 125059
Ion Ratio Lower Upper
139 100
109 67.1 48.5 88.5
65 102.5 83.4 123.4

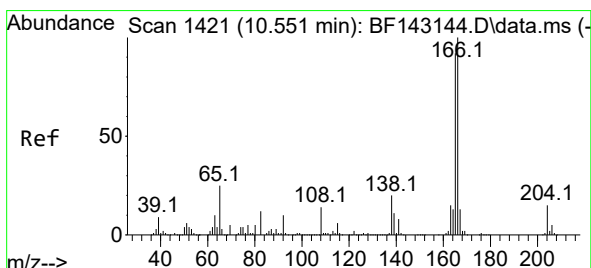
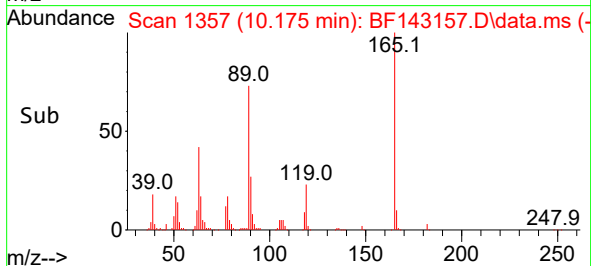
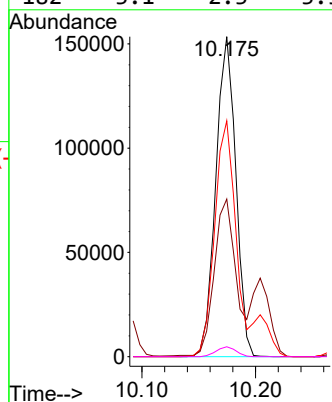
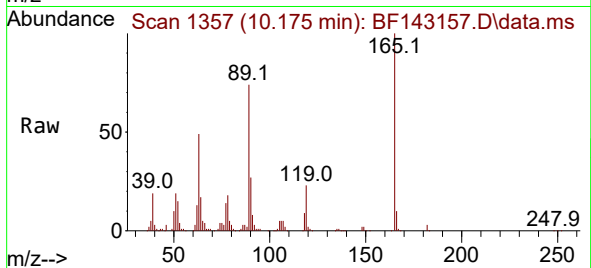




#57
2,4-Dinitrotoluene
Concen: 41.945 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

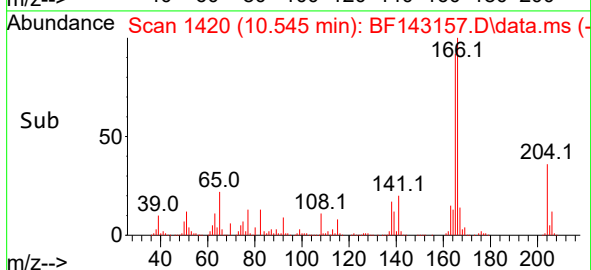
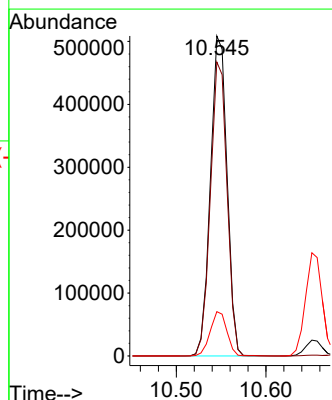
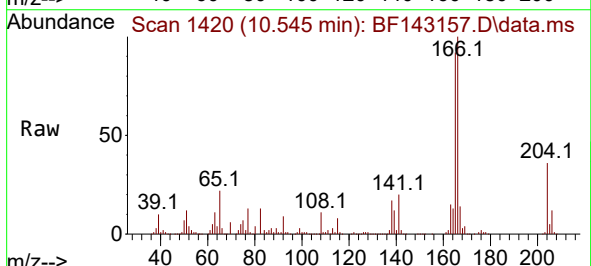
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

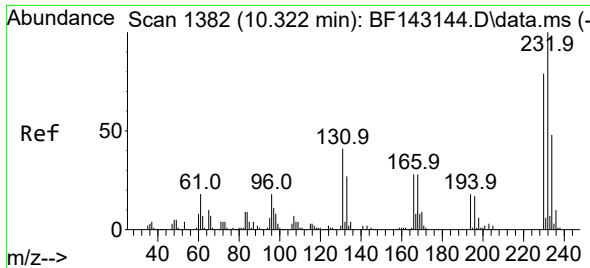
Tgt Ion:165 Resp: 188181
Ion Ratio Lower Upper
165 100
63 49.3 41.0 61.4
89 73.7 61.1 91.7
182 3.1 2.3 3.5



#58
Fluorene
Concen: 38.045 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:166 Resp: 653713
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 13.8 10.6 16.0

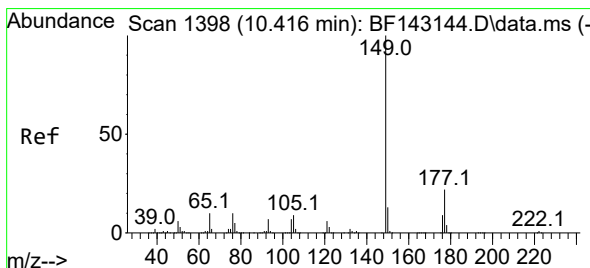
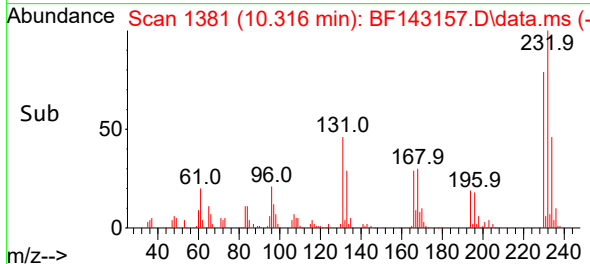
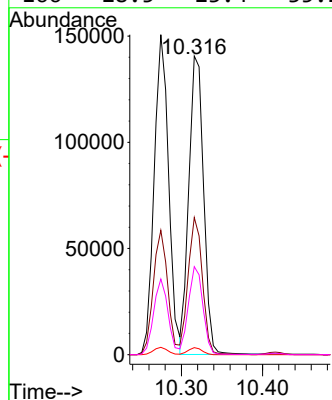
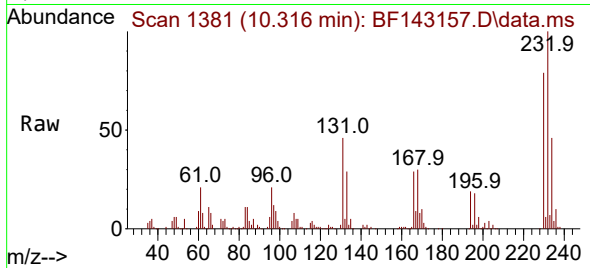




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.875 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

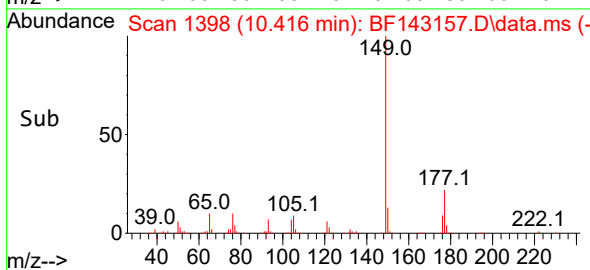
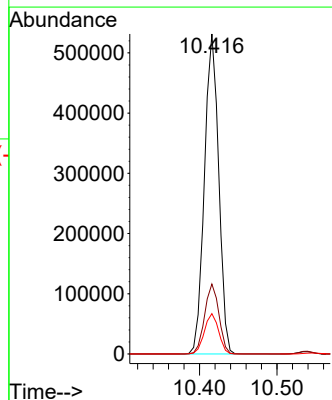
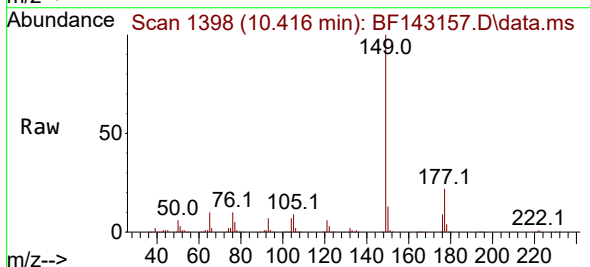
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

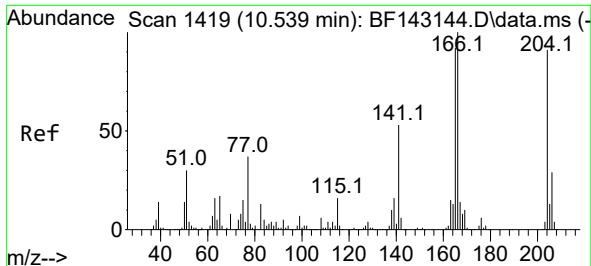
Tgt Ion:232 Resp: 178038
Ion Ratio Lower Upper
232 100
131 44.3 35.3 52.9
130 2.2 1.7 2.5
166 28.5 23.4 35.2



#60
Diethylphthalate
Concen: 39.088 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 679129
Ion Ratio Lower Upper
149 100
177 21.8 17.5 26.3
150 12.6 10.2 15.2

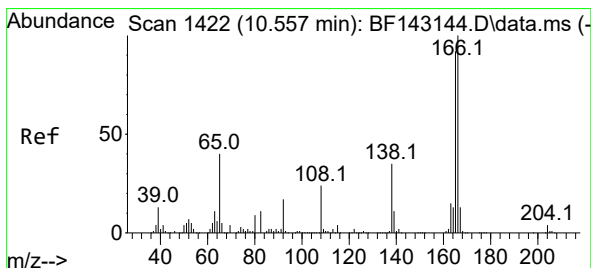
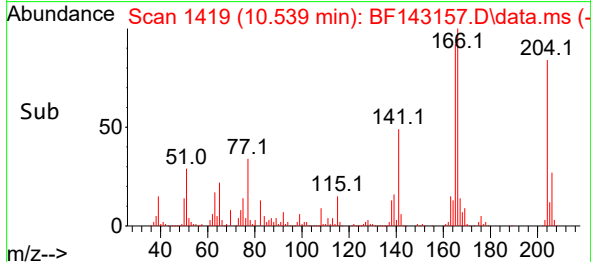
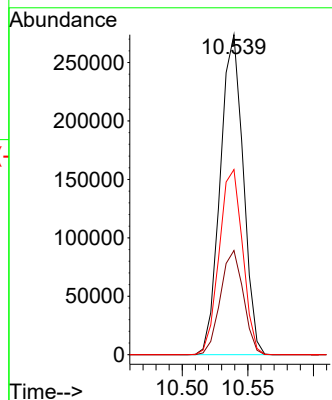
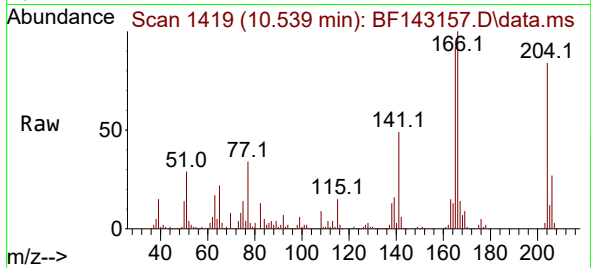




#61
4-Chlorophenyl-phenylether
Concen: 38.975 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

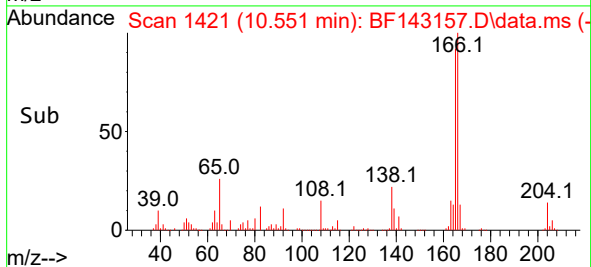
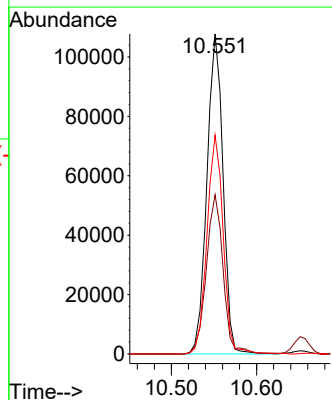
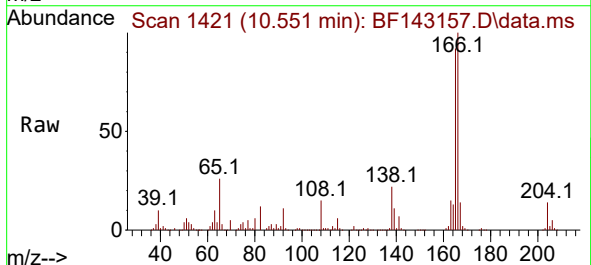
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

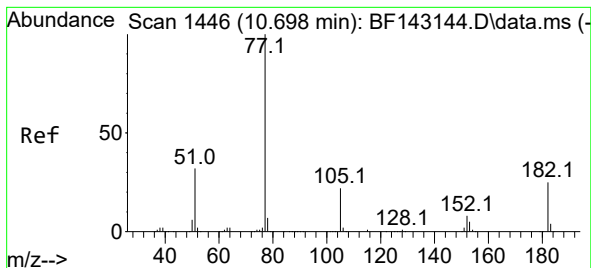
Tgt Ion:204 Resp: 333465
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.8
141 57.8 47.0 70.4



#62
4-Nitroaniline
Concen: 39.478 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:138 Resp: 141515
Ion Ratio Lower Upper
138 100
92 49.7 29.3 69.3
108 68.4 48.3 88.3





#63

Azobenzene

Concen: 38.986 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 77 Resp: 705944

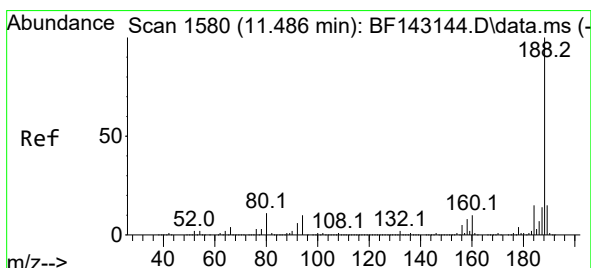
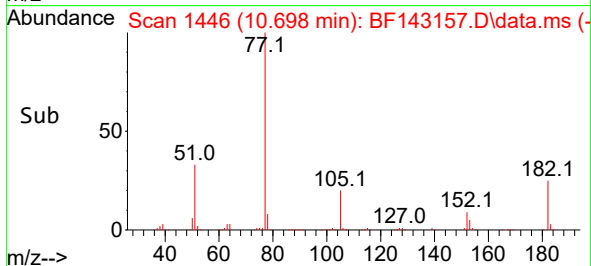
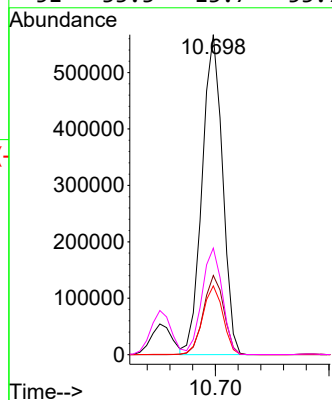
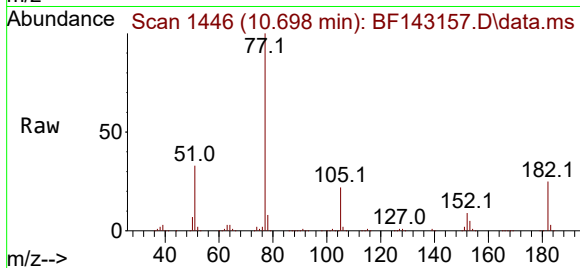
Ion Ratio Lower Upper

77 100

182 24.8 4.6 44.6

105 21.5 1.4 41.4

51 33.3 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

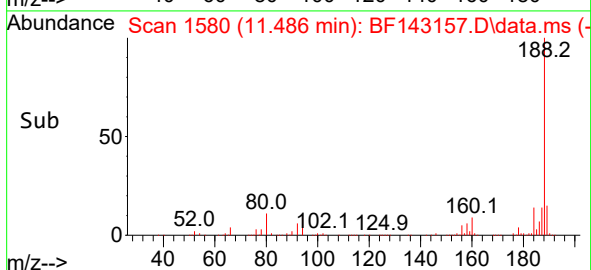
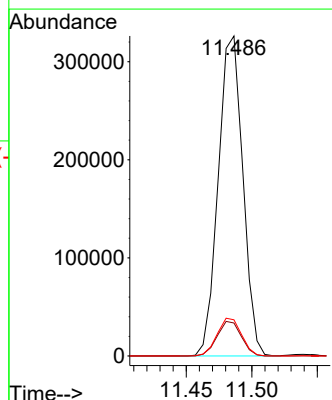
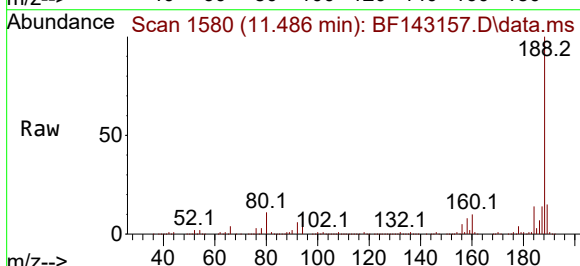
Tgt Ion: 188 Resp: 425499

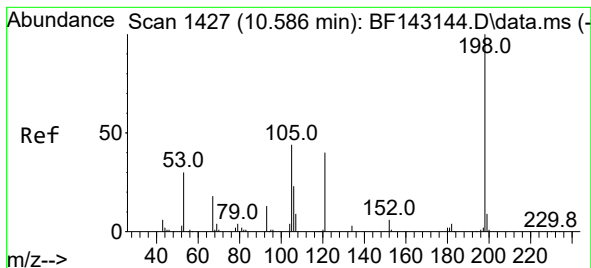
Ion Ratio Lower Upper

188 100

94 10.3 8.3 12.5

80 11.3 9.0 13.6

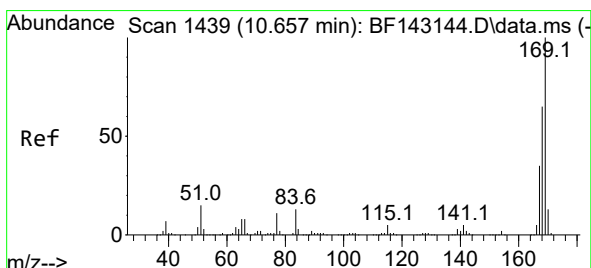
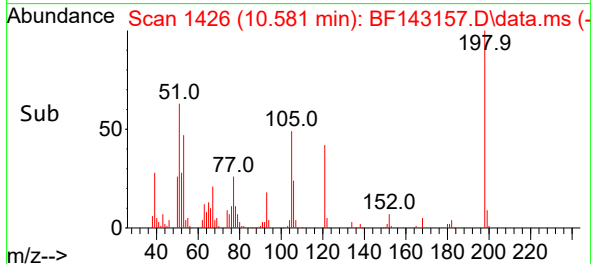
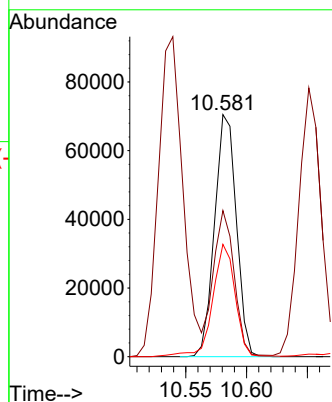
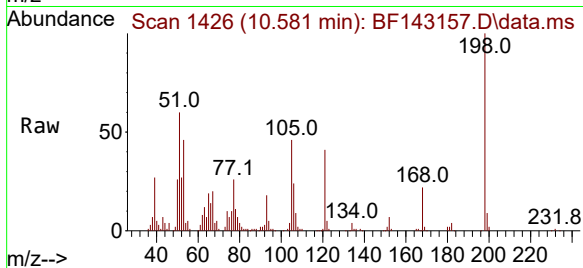




#65
4,6-Dinitro-2-methylphenol
Concen: 40.354 ng
RT: 10.581 min Scan# 1427
Delta R.T. -0.005 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

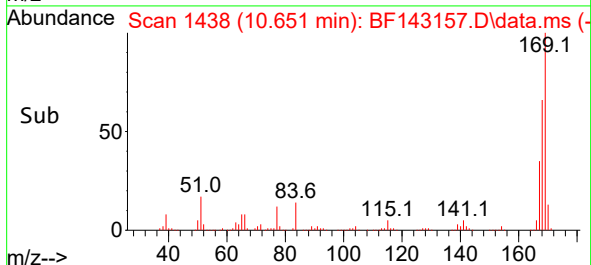
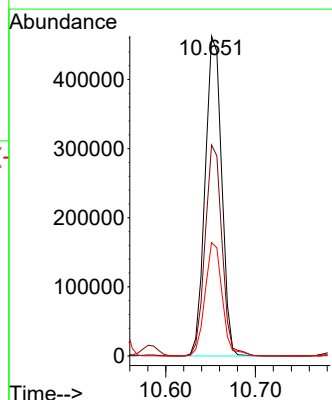
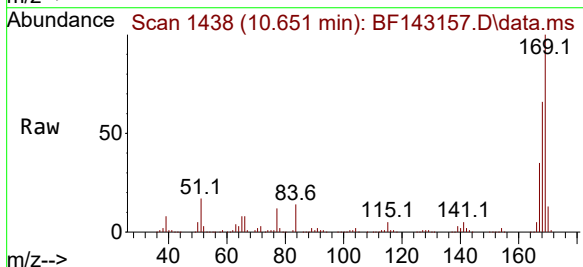
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

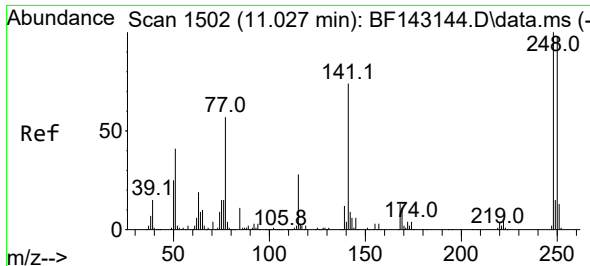
Tgt Ion:198 Resp: 87846
Ion Ratio Lower Upper
198 100
51 60.4 37.2 77.2
105 46.4 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 39.557 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:169 Resp: 592682
Ion Ratio Lower Upper
169 100
168 65.9 52.1 78.1
167 35.5 28.2 42.2

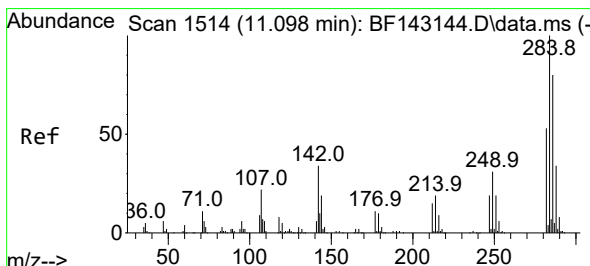
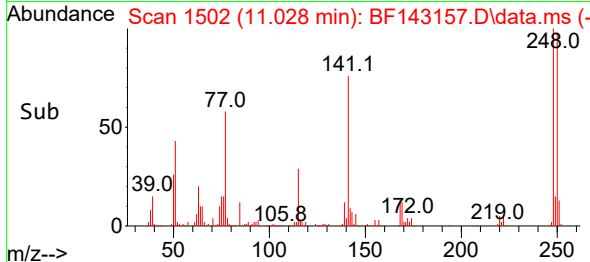
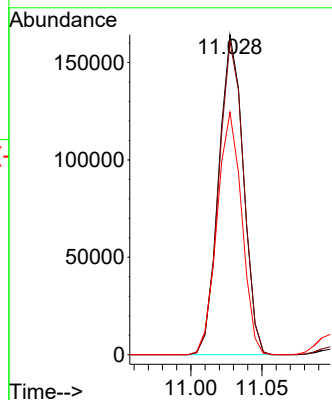
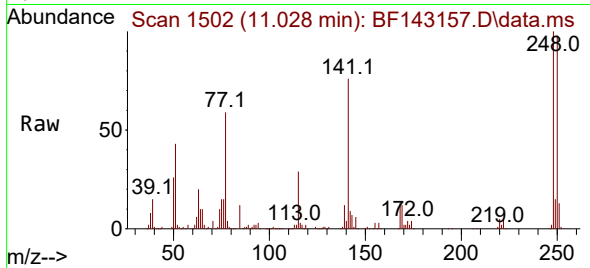




#67
4-Bromophenyl-phenylether
Concen: 39.069 ng
RT: 11.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

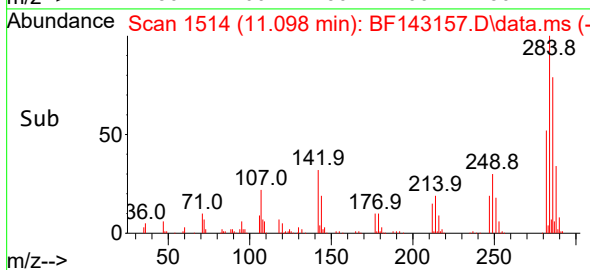
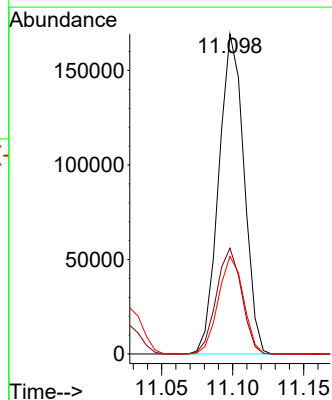
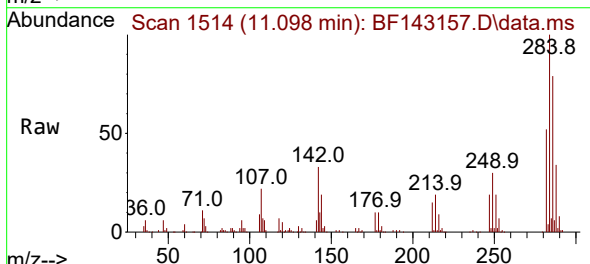
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

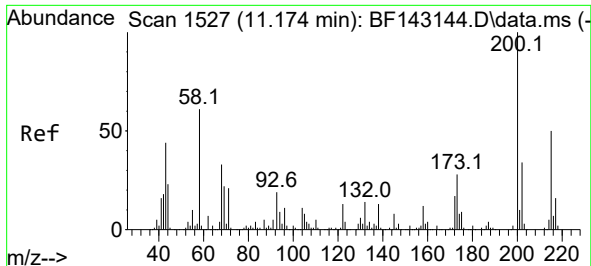
Tgt Ion:248 Resp: 198111
Ion Ratio Lower Upper
248 100
250 97.9 78.3 117.5
141 75.7 59.2 88.8



#68
Hexachlorobenzene
Concen: 39.472 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:284 Resp: 209203
Ion Ratio Lower Upper
284 100
142 33.1 27.0 40.6
249 30.5 25.0 37.6

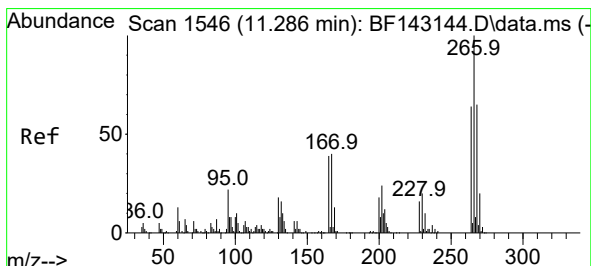
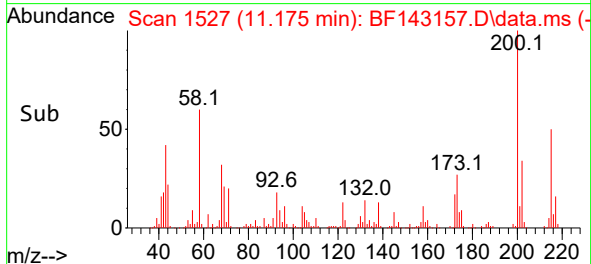
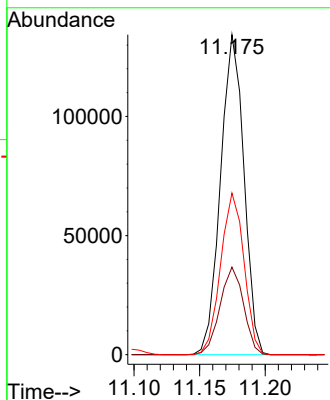
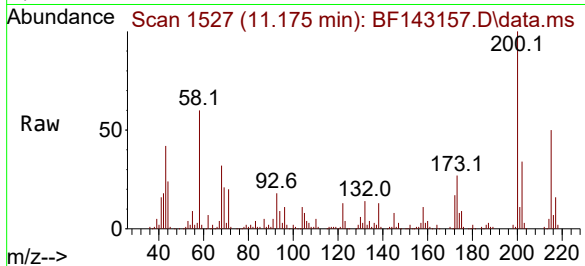




#69
 Atrazine
 Concen: 40.279 ng
 RT: 11.175 min Scan# 1527
 Delta R.T. 0.000 min
 Lab File: BF143157.D
 Acq: 17 Jul 2025 19:37

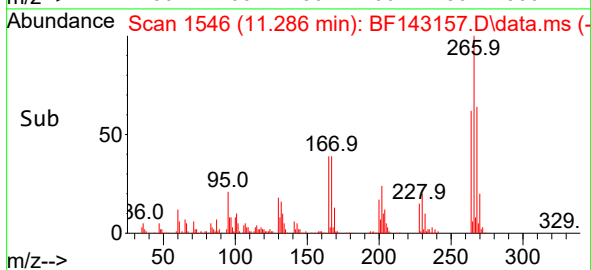
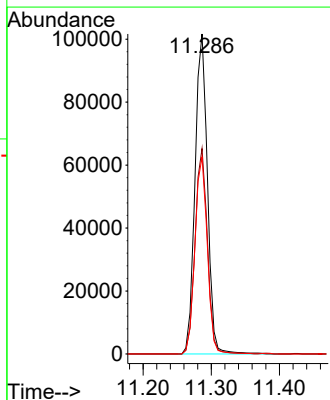
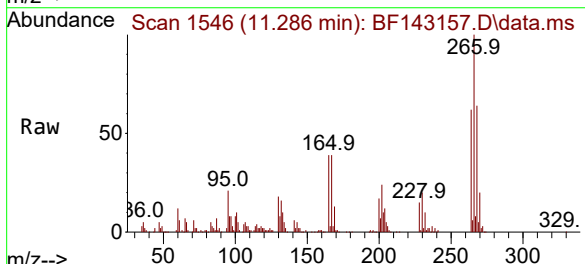
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

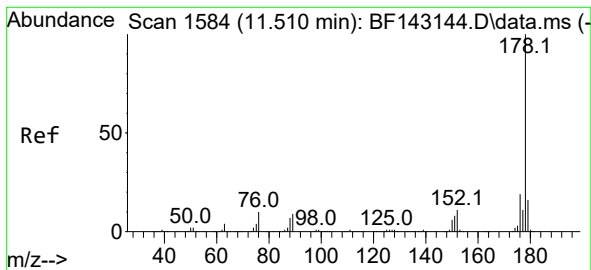
Tgt Ion:200 Resp: 166380
 Ion Ratio Lower Upper
 200 100
 173 27.3 7.9 47.9
 215 50.5 30.1 70.1



#70
 Pentachlorophenol
 Concen: 41.309 ng
 RT: 11.286 min Scan# 1546
 Delta R.T. 0.000 min
 Lab File: BF143157.D
 Acq: 17 Jul 2025 19:37

Tgt Ion:266 Resp: 128754
 Ion Ratio Lower Upper
 266 100
 268 64.2 51.9 77.9
 264 61.6 51.0 76.6

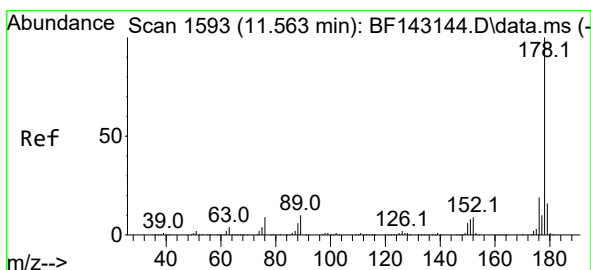
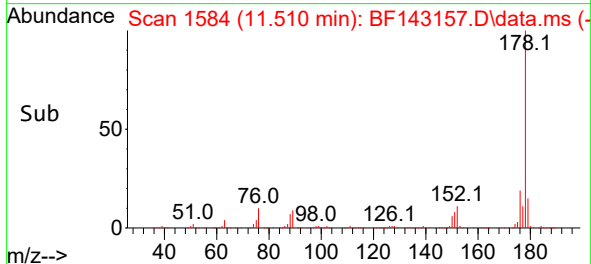
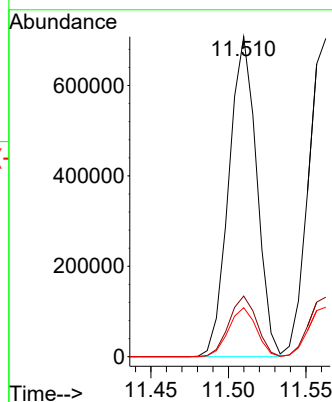
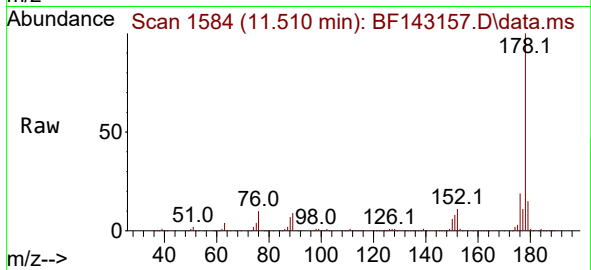




#71
Phenanthrene
Concen: 39.066 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

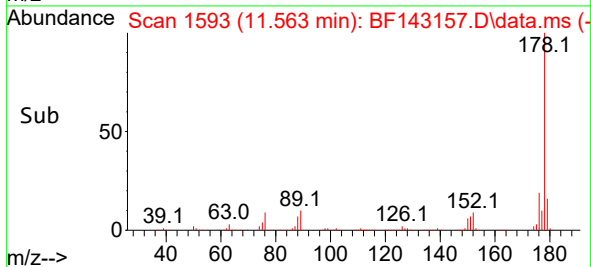
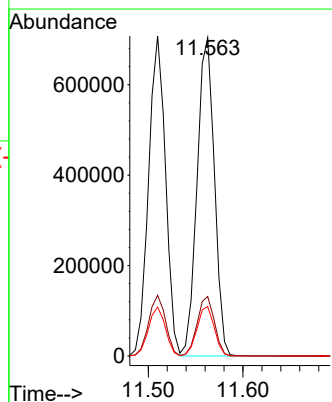
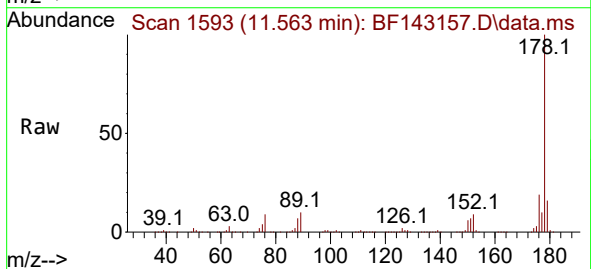
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

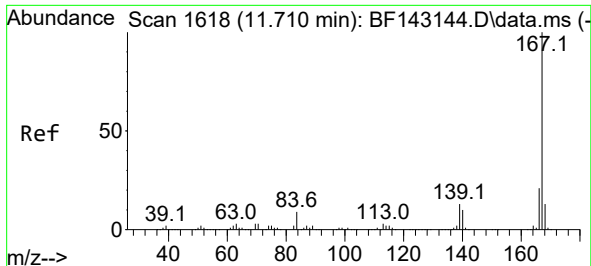
Tgt Ion:178 Resp: 882612
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.3 12.5 18.7



#72
Anthracene
Concen: 38.898 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:178 Resp: 896290
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.5 12.5 18.7

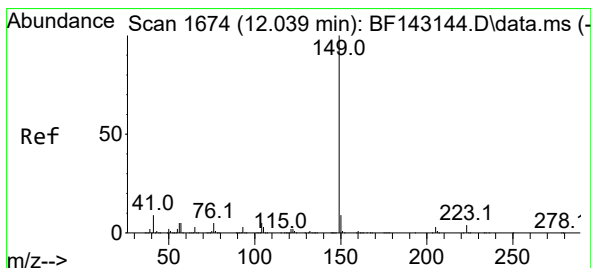
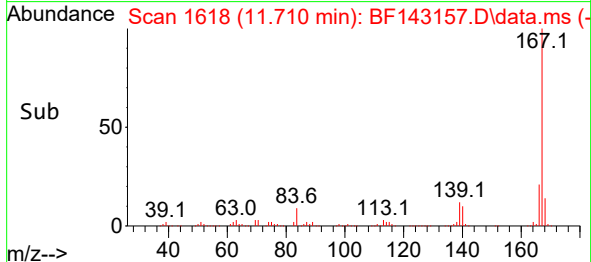
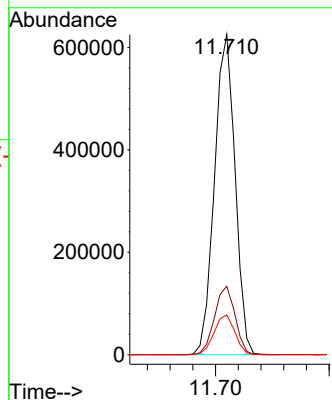
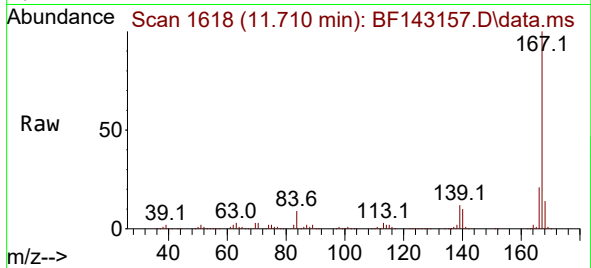




#73
 Carbazole
 Concen: 39.121 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. 0.000 min
 Lab File: BF143157.D
 Acq: 17 Jul 2025 19:37

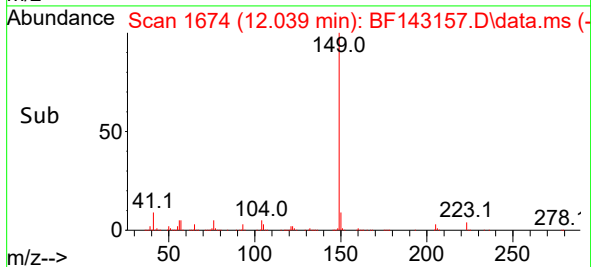
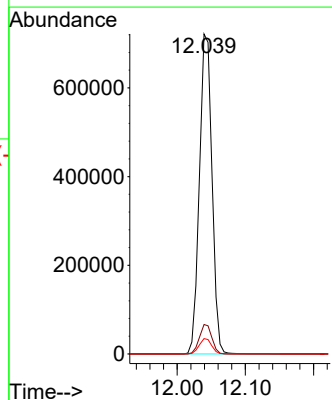
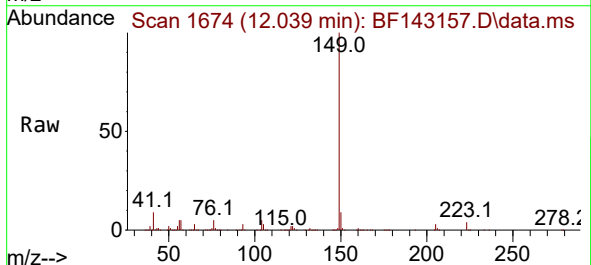
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

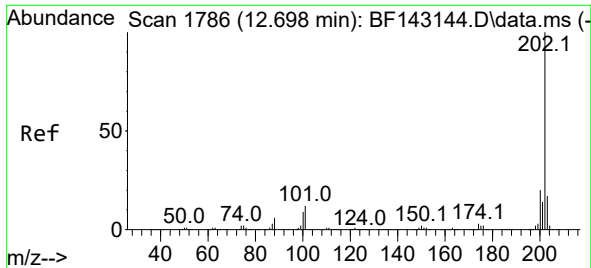
Tgt Ion:167 Resp: 787128
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.6
 139 12.4 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 40.539 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143157.D
 Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 922904
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 4.8 3.8 5.8

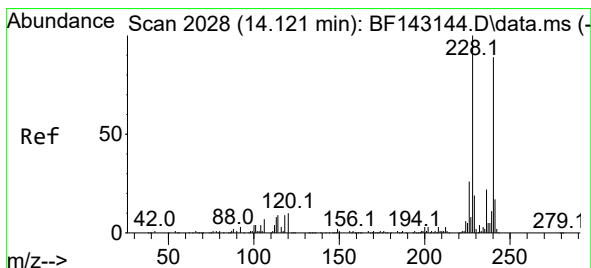
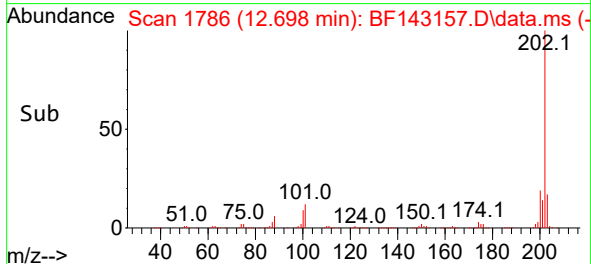
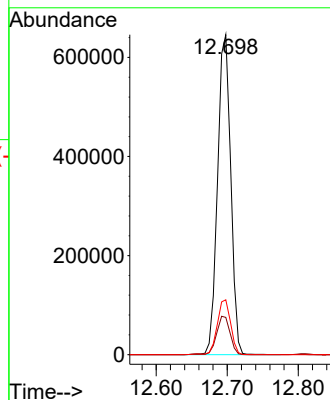
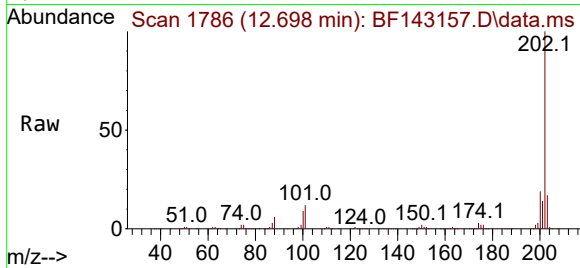




#75
Fluoranthene
Concen: 39.910 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

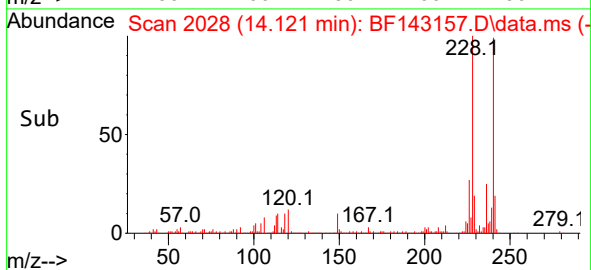
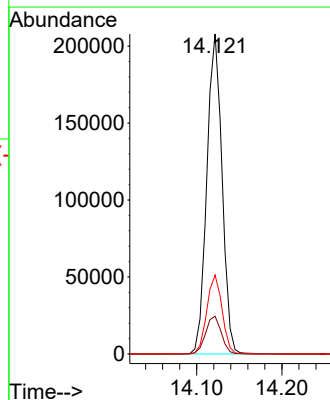
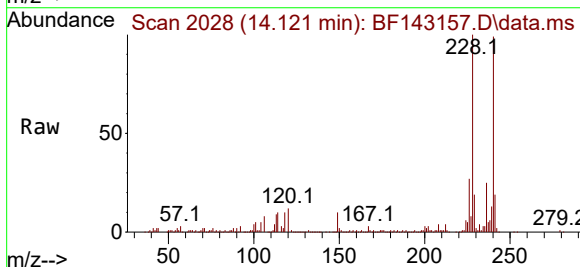
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

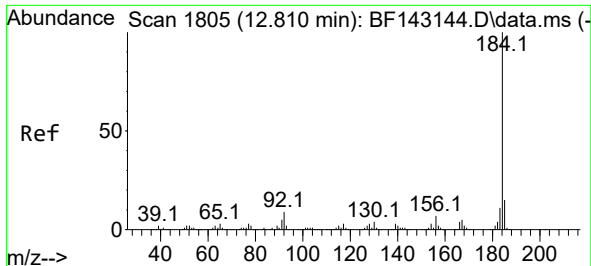
Tgt Ion:202 Resp: 827620
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:240 Resp: 257557
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 24.7 20.2 30.4

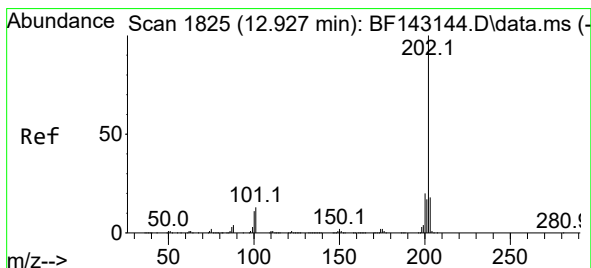
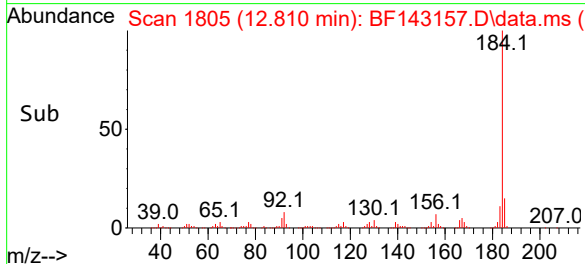
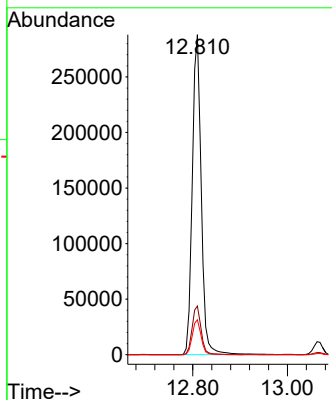
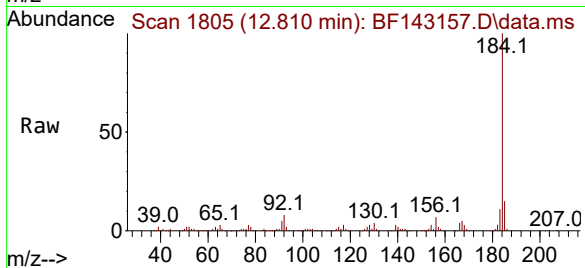




#77
Benzidine
Concen: 38.169 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

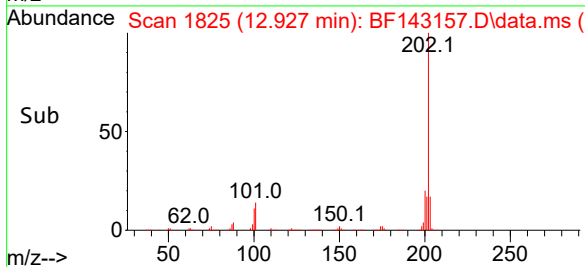
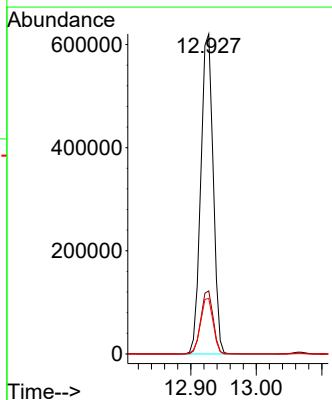
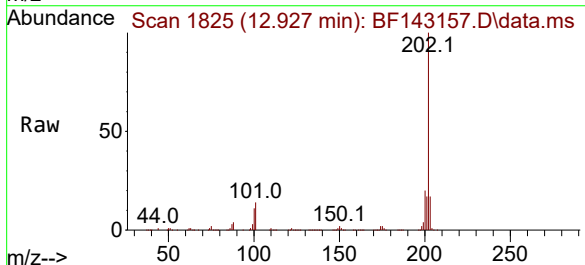
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

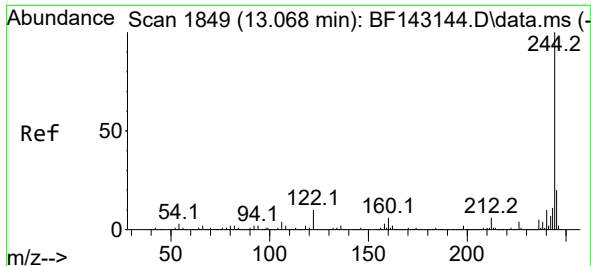
Tgt Ion:184 Resp: 378753
Ion Ratio Lower Upper
184 100
185 15.2 12.2 18.4
183 10.9 9.0 13.4



#78
Pyrene
Concen: 37.150 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:202 Resp: 816607
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 17.4 14.2 21.2

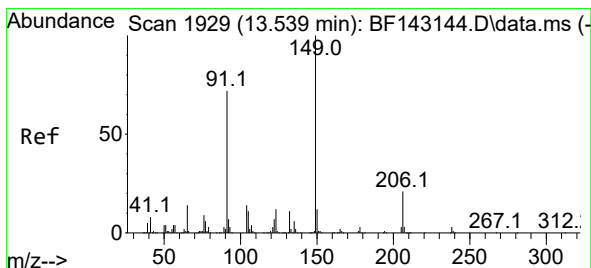
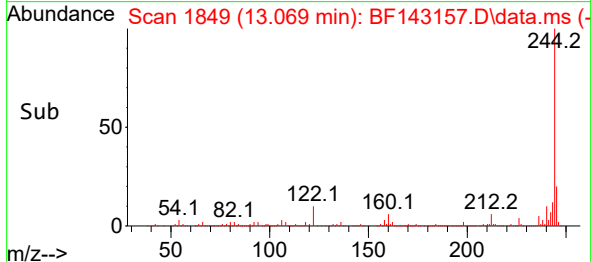
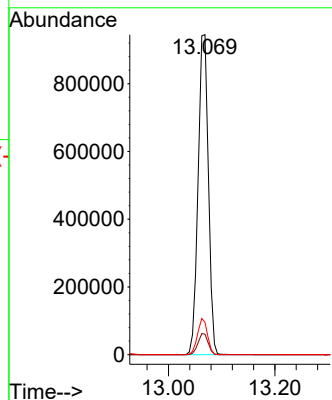
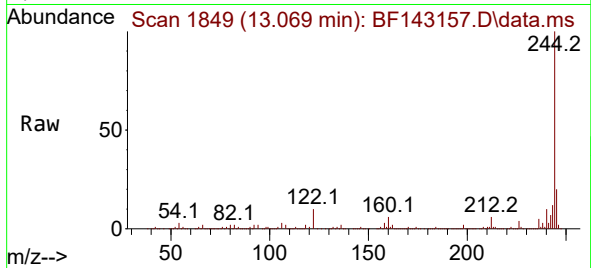




#79
 Terphenyl-d14
 Concen: 73.478 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143157.D
 Acq: 17 Jul 2025 19:37

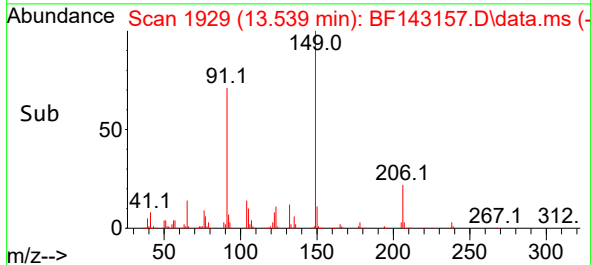
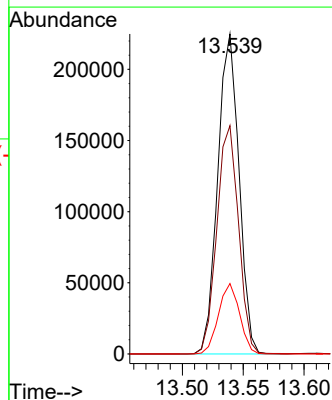
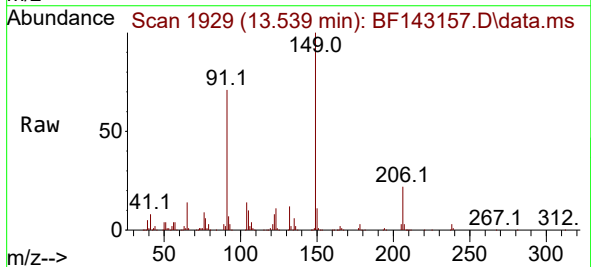
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

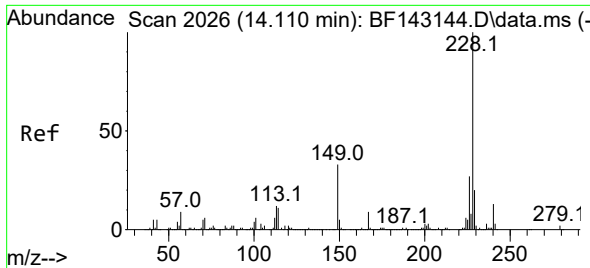
Tgt Ion:244 Resp: 1271733
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.1 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 40.736 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. 0.000 min
 Lab File: BF143157.D
 Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 274194
 Ion Ratio Lower Upper
 149 100
 91 71.3 57.9 86.9
 206 22.0 17.0 25.4

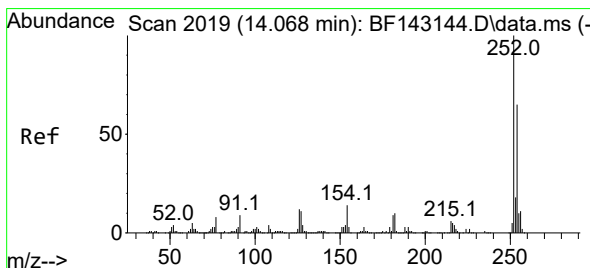
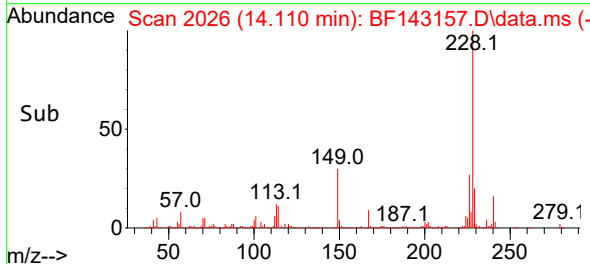
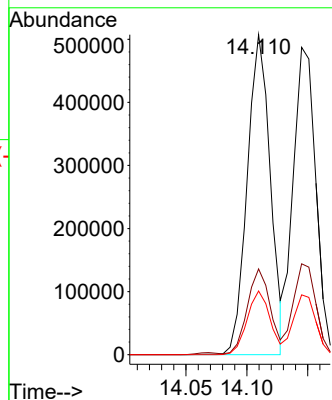
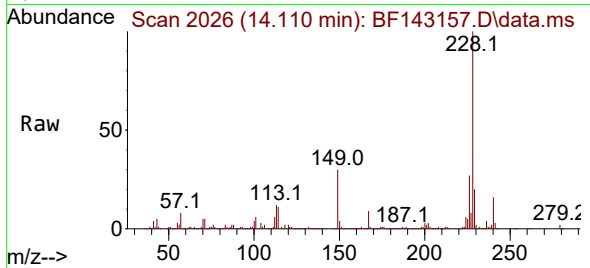




#81
Benzo(a)anthracene
Concen: 38.779 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

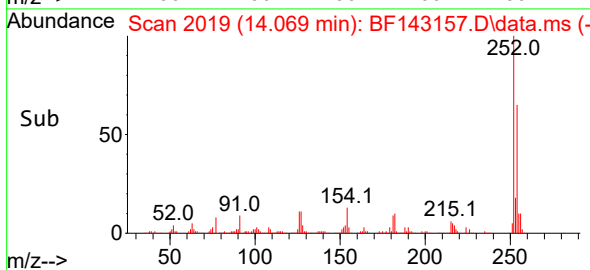
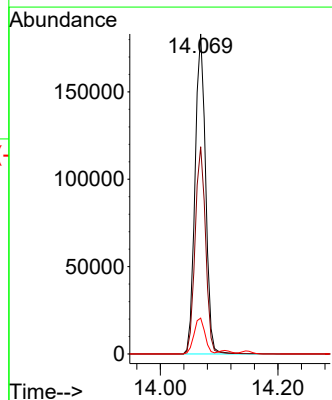
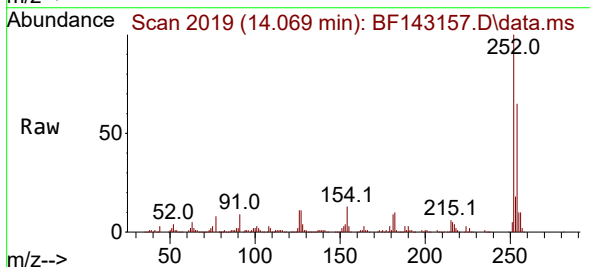
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

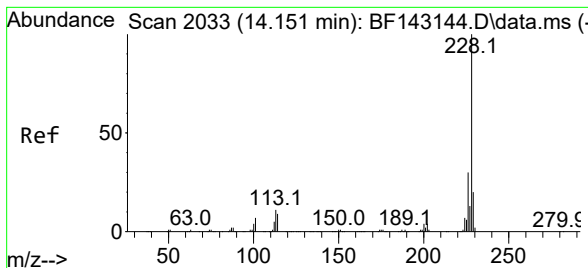
Tgt Ion:228 Resp: 668691
Ion Ratio Lower Upper
228 100
226 26.8 21.7 32.5
229 19.9 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 39.609 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:252 Resp: 227633
Ion Ratio Lower Upper
252 100
254 64.8 51.7 77.5
126 11.2 9.4 14.0





#83

Chrysene

Concen: 40.721 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

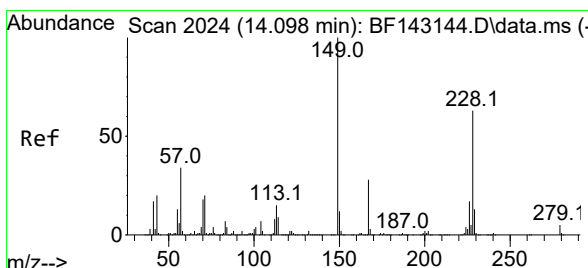
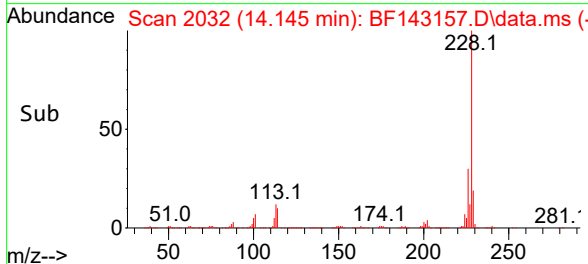
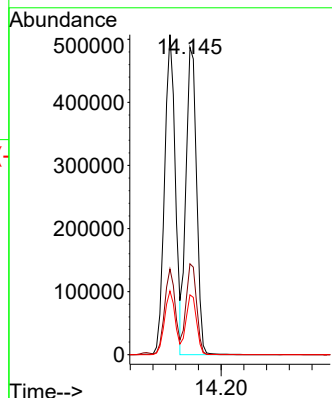
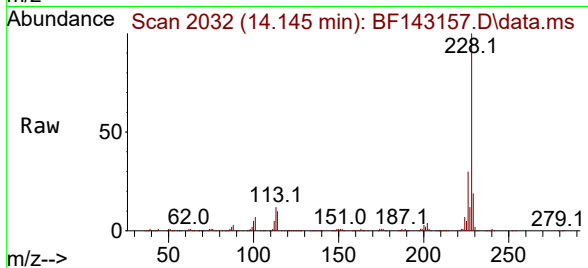
Tgt Ion:228 Resp: 631314

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.499 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143157.D

Acq: 17 Jul 2025 19:37

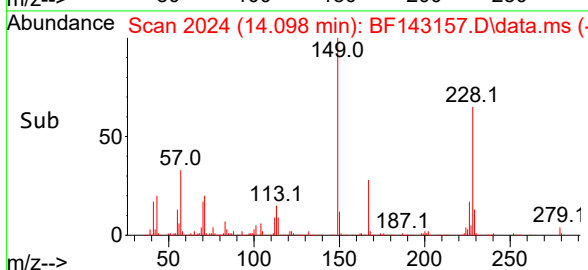
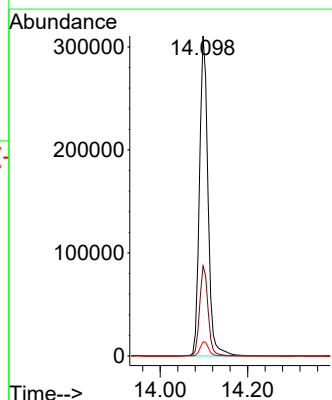
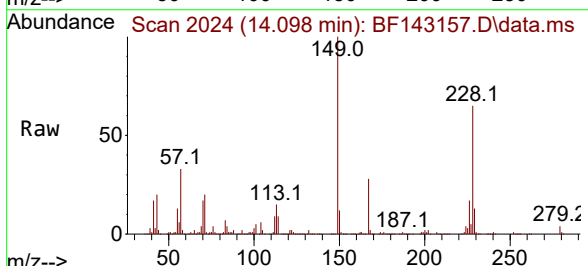
Tgt Ion:149 Resp: 422788

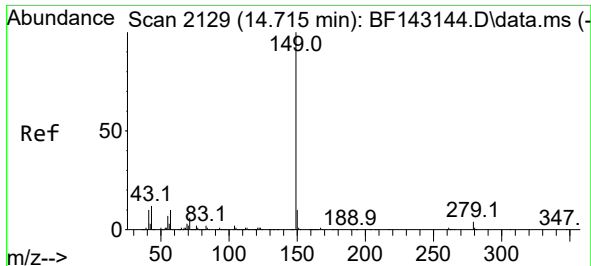
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.4 3.6 5.4

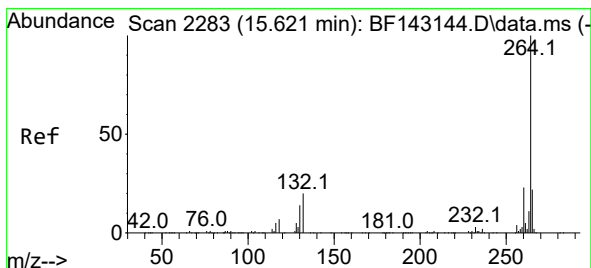
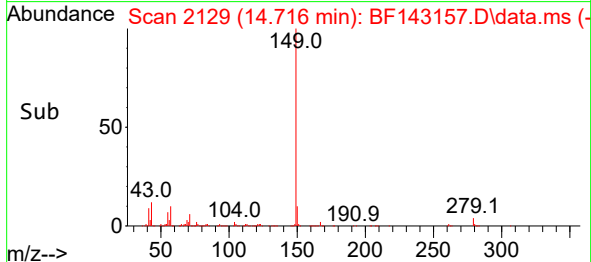
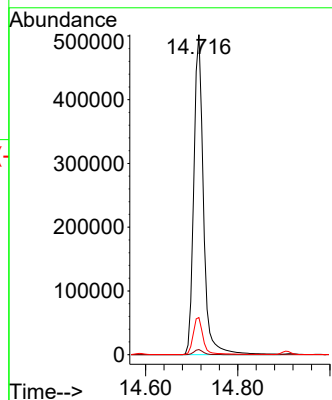
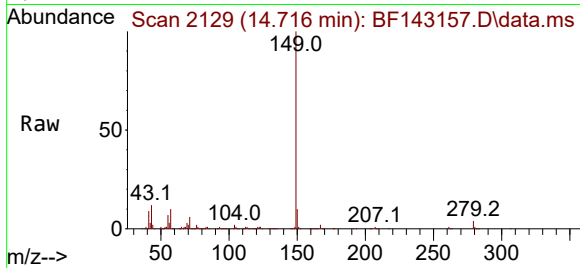




#85
Di-n-octyl phthalate
Concen: 39.529 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

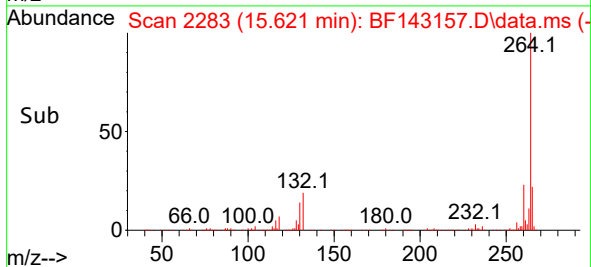
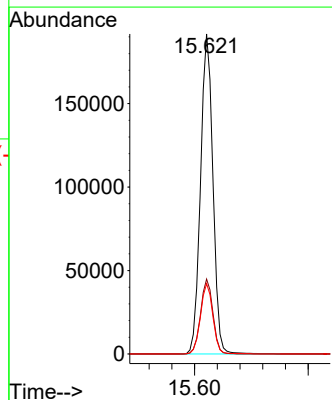
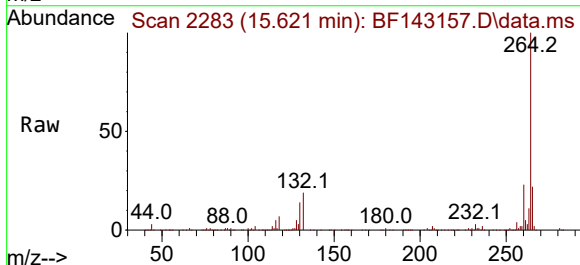
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

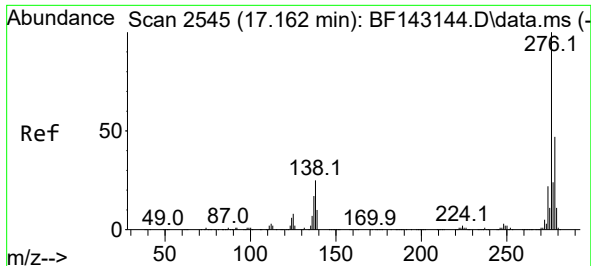
Tgt Ion:149 Resp: 729985
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.0 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

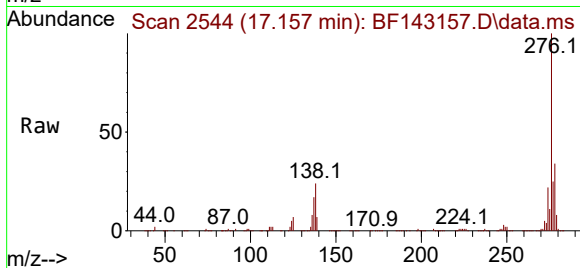
Tgt Ion:264 Resp: 290483
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 22.0 17.4 26.2



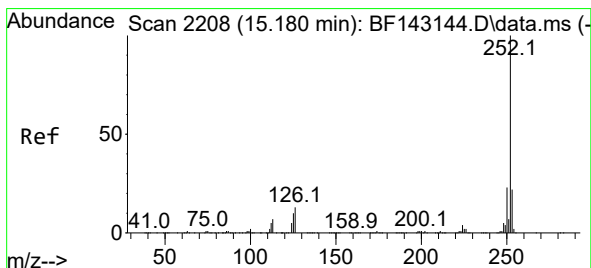
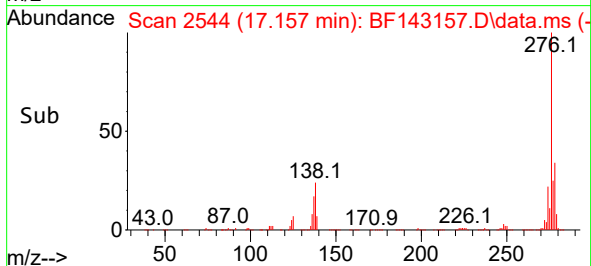
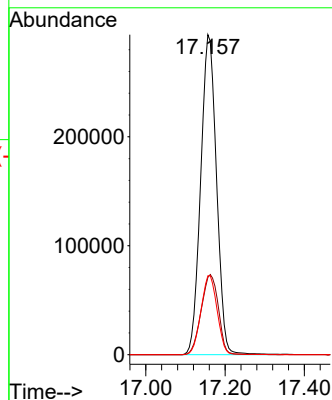


#87
Indeno(1,2,3-cd)pyrene
Concen: 39.776 ng
RT: 17.157 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

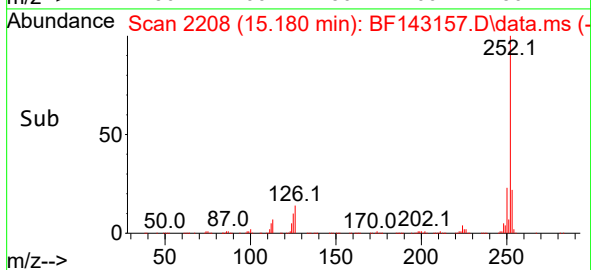
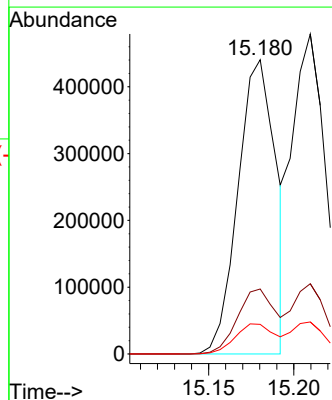
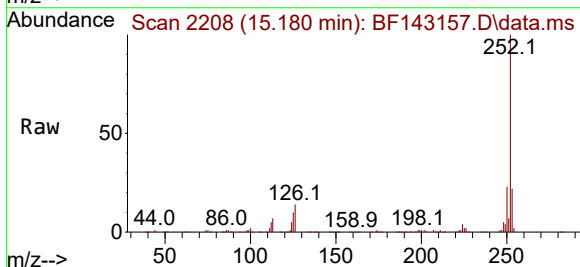


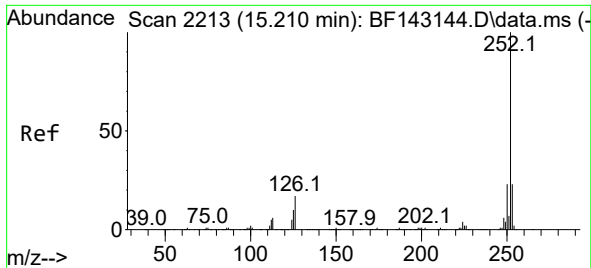
Tgt Ion:276 Resp: 814736
Ion Ratio Lower Upper
276 100
138 27.0 21.8 32.6
277 25.3 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 38.184 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:252 Resp: 677603
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.1 8.0 12.0

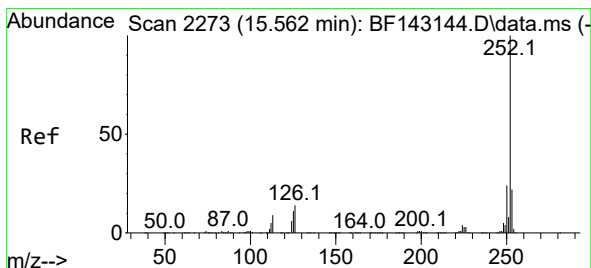
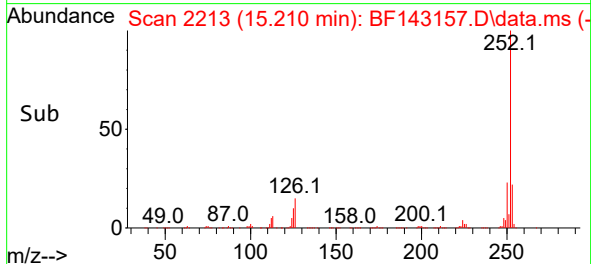
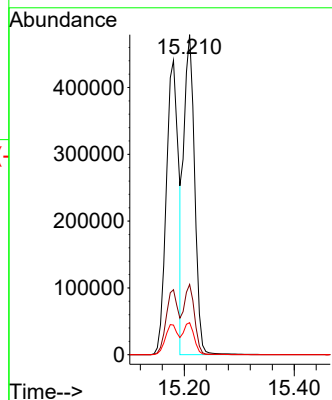
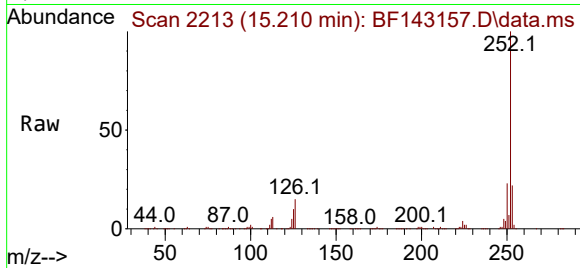




#89
Benzo(k)fluoranthene
Concen: 41.247 ng
RT: 15.210 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

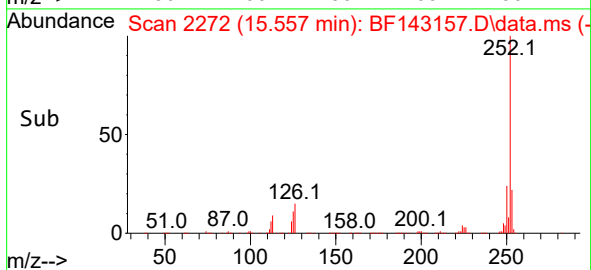
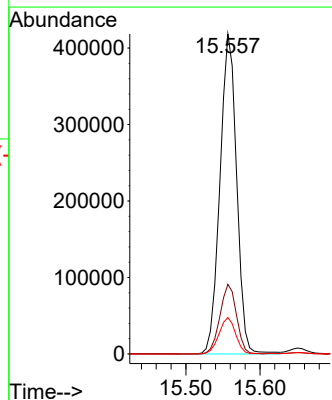
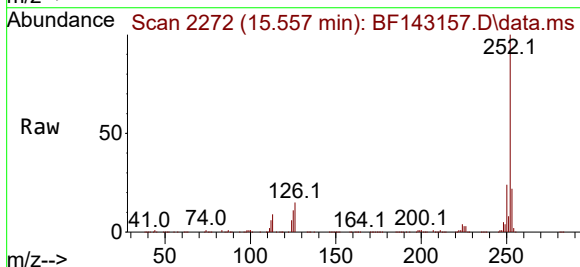
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

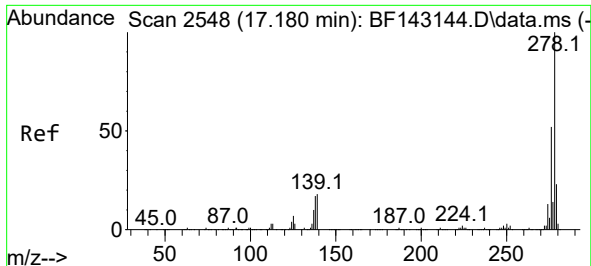
Tgt Ion:252 Resp: 653171
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 10.0 8.1 12.1



#90
Benzo(a)pyrene
Concen: 40.042 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:252 Resp: 654692
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 11.4 8.6 13.0

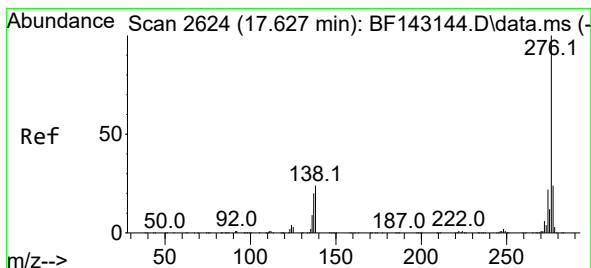
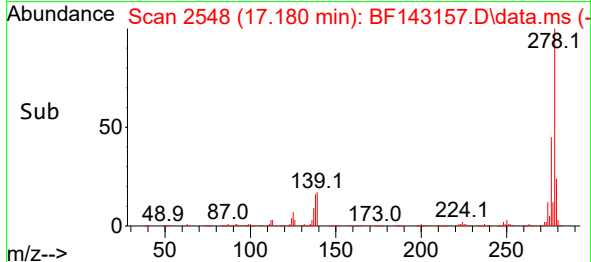
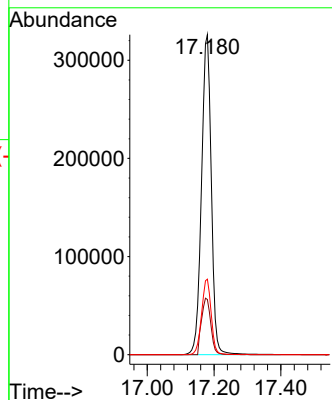
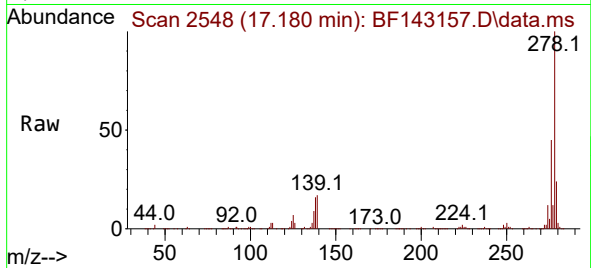




#91
Dibenzo(a,h)anthracene
Concen: 39.916 ng
RT: 17.180 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

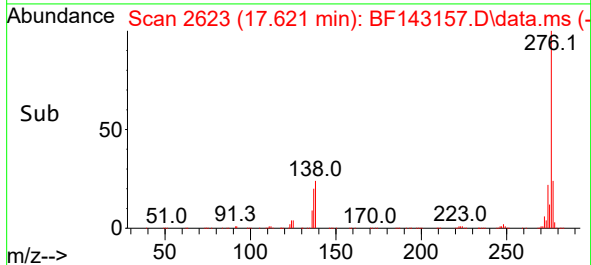
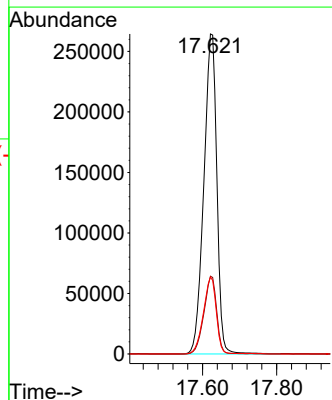
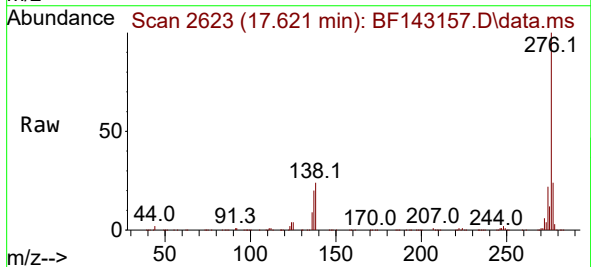
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 665474
Ion Ratio Lower Upper
278 100
139 17.3 14.1 21.1
279 23.6 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 39.950 ng
RT: 17.621 min Scan# 2623
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:276 Resp: 644277
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 24.0 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143179.D
 Acq On : 22 Jul 2025 09:44
 Operator : RC/JU
 Sample : PB168813BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168813BS

Quant Time: Jul 22 19:45:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	148818	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	576425	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	308303	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	540032	20.000	ng	0.00
76) Chrysene-d12	14.127	240	276421	20.000	ng	0.00
86) Perylene-d12	15.633	264	278917	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	1067004	113.460	ng	0.02
7) Phenol-d6	6.593	99	1361825	115.049	ng	0.00
23) Nitrobenzene-d5	7.522	82	944398	81.668	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	419377	131.675	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1670652	74.110	ng	0.00
79) Terphenyl-d14	13.075	244	1659178	89.322	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.934	88	161464	36.285	ng	99
3) Pyridine	3.675	79	446109	38.625	ng	99
4) n-Nitrosodimethylamine	3.622	42	262477	44.016	ng	100
6) Aniline	6.622	93	556846	33.754	ng	96
8) 2-Chlorophenol	6.751	128	439078	44.542	ng	98
9) Benzaldehyde	6.510	77	304356	34.290	ng	98
10) Phenol	6.604	94	576816	44.731	ng	94
11) bis(2-Chloroethyl)ether	6.693	93	430148	43.567	ng	100
12) 1,3-Dichlorobenzene	6.910	146	456124	42.595	ng	99
13) 1,4-Dichlorobenzene	6.981	146	460379	42.691	ng	100
14) 1,2-Dichlorobenzene	7.134	146	447172	43.597	ng	99
15) Benzyl Alcohol	7.098	79	412922	45.687	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	811805	44.324	ng	99
17) 2-Methylphenol	7.210	107	370529	44.705	ng	100
18) Hexachloroethane	7.481	117	165860	44.428	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	331784	43.689	ng	99
20) 3+4-Methylphenols	7.363	107	444798	44.232	ng	# 83
22) Acetophenone	7.369	105	597065	43.751	ng	97
24) Nitrobenzene	7.540	77	487538	45.221	ng	99
25) Isophorone	7.781	82	924505	45.288	ng	99
26) 2-Nitrophenol	7.857	139	233949	50.000	ng	99
27) 2,4-Dimethylphenol	7.893	122	432302	45.326	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	546978	44.689	ng	100
29) 2,4-Dichlorophenol	8.098	162	367314	45.667	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	382623	44.032	ng	100
31) Naphthalene	8.269	128	1254290	44.183	ng	100
32) Benzoic acid	8.010	122	275604	50.943	ng	98
33) 4-Chloroaniline	8.304	127	196806	16.978	ng	99
34) Hexachlorobutadiene	8.387	225	232563	43.811	ng	99
35) Caprolactam	8.681	113	79999	32.914	ng	99
36) 4-Chloro-3-methylphenol	8.787	107	413921	47.346	ng	100
37) 2-Methylnaphthalene	8.957	142	773479	44.775	ng	100
38) 1-Methylnaphthalene	9.057	142	795535	44.722	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	372068	41.800	ng	99
41) Hexachlorocyclopentadiene	9.116	237	507942	87.703	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	273909	44.464	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143179.D
 Acq On : 22 Jul 2025 09:44
 Operator : RC/JU
 Sample : PB168813BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

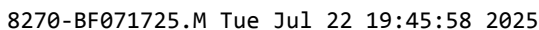
Instrument :
 BNA_F
 ClientSampleId :
 PB168813BS

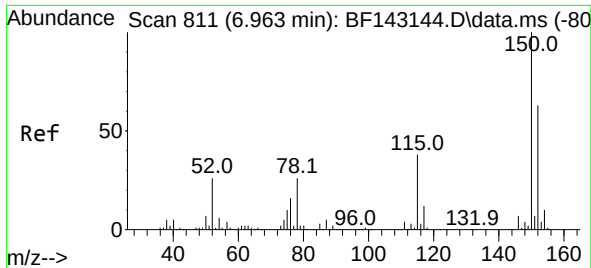
Quant Time: Jul 22 19:45:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	284651	46.193	ng	99
46) 1,1'-Biphenyl	9.422	154	1046849	43.521	ng	99
47) 2-Chloronaphthalene	9.451	162	765933	43.035	ng	99
48) 2-Nitroaniline	9.534	65	277706	49.756	ng	97
49) Acenaphthylene	9.869	152	1311787	43.980	ng	100
50) Dimethylphthalate	9.722	163	934025	46.478	ng	99
51) 2,6-Dinitrotoluene	9.781	165	204978	50.140	ng	98
52) Acenaphthene	10.039	154	858201	48.681	ng	97
53) 3-Nitroaniline	9.945	138	157455	32.928	ng	98
54) 2,4-Dinitrophenol	10.051	184	204107	107.647	ng	# 1
55) Dibenzofuran	10.210	168	1154840	44.122	ng	100
56) 4-Nitrophenol	10.104	139	364810	102.167	ng	98
57) 2,4-Dinitrotoluene	10.186	165	273950	53.412	ng	97
58) Fluorene	10.551	166	889443	45.279	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	247005	48.390	ng	99
60) Diethylphthalate	10.422	149	954021	48.030	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	437991	44.778	ng	98
62) 4-Nitroaniline	10.563	138	217627	53.103	ng	100
63) Azobenzene	10.704	77	968287	46.773	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	134879	47.684	ng	98
66) n-Nitrosodiphenylamine	10.663	169	809593	42.574	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	278455	43.267	ng	99
68) Hexachlorobenzene	11.104	284	292998	43.557	ng	98
69) Atrazine	11.181	200	257256	49.071	ng	99
70) Pentachlorophenol	11.292	266	369820	93.487	ng	99
71) Phenanthrene	11.516	178	1261416	43.992	ng	100
72) Anthracene	11.569	178	1274603	43.585	ng	100
73) Carbazole	11.716	167	1167519	45.721	ng	100
74) Di-n-butylphthalate	12.045	149	1413258	48.912	ng	100
75) Fluoranthene	12.704	202	1272502	48.349	ng	100
77) Benzidine	12.816	184	484143	45.460	ng	99
78) Pyrene	12.933	202	1245151	52.781	ng	99
80) Butylbenzylphthalate	13.545	149	419591	58.084	ng	98
81) Benzo(a)anthracene	14.116	228	834348	45.084	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	150923	24.469	ng	100
83) Chrysene	14.157	228	773845	46.508	ng	99
84) Bis(2-ethylhexyl)phtha...	14.104	149	542125	49.581	ng	100
85) Di-n-octyl phthalate	14.721	149	872909	44.043	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	901700	45.847	ng	99
88) Benzo(b)fluoranthene	15.186	252	805003	47.244	ng	99
89) Benzo(k)fluoranthene	15.216	252	670629	44.106	ng	99
90) Benzo(a)pyrene	15.568	252	726542	46.279	ng	100
91) Dibenzo(a,h)anthracene	17.192	278	727463	45.444	ng	99
92) Benzo(g,h,i)perylene	17.645	276	723992	46.754	ng	99

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

Quant Time: Jul 22 19:45:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

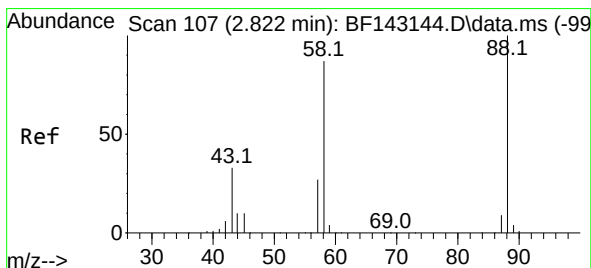
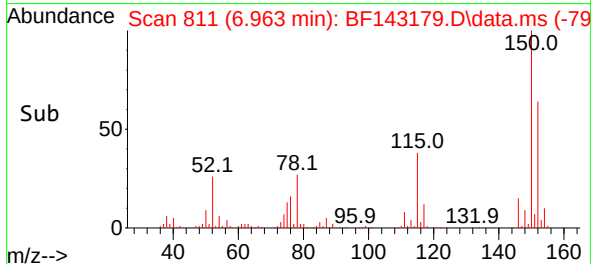
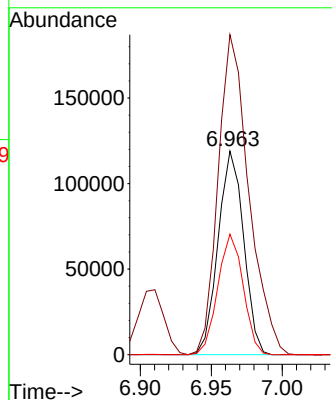
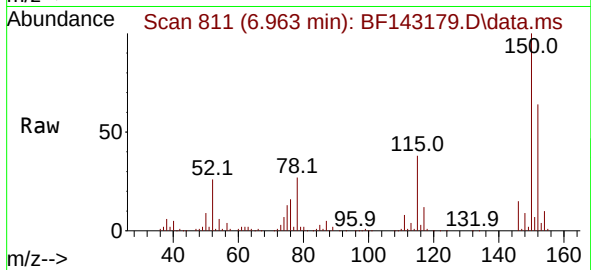




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44

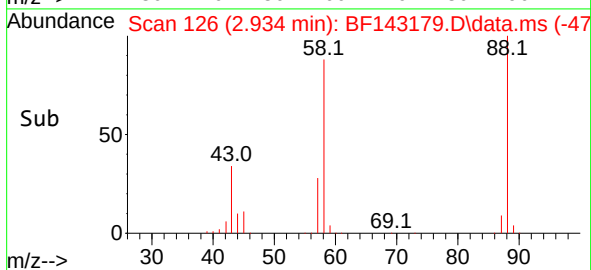
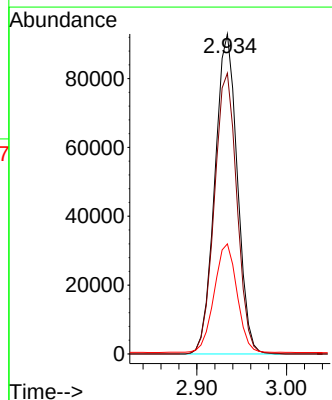
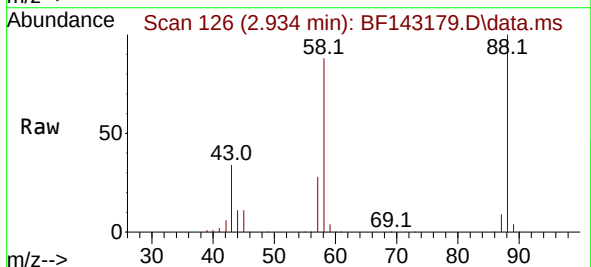
Instrument :
 BNA_F
 ClientSampleId :
 PB168813BS

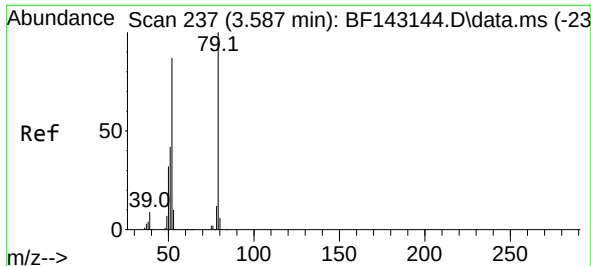
Tgt Ion:152 Resp: 148818
 Ion Ratio Lower Upper
 152 100
 150 157.2 128.2 192.4
 115 59.2 47.9 71.9



#2
 1,4-Dioxane
 Concen: 36.285 ng
 RT: 2.934 min Scan# 126
 Delta R.T. 0.112 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44

Tgt Ion: 88 Resp: 161464
 Ion Ratio Lower Upper
 88 100
 58 88.2 70.2 105.2
 43 35.0 27.1 40.7





#3

Pyridine

Concen: 38.625 ng

RT: 3.675 min Scan# 21

Delta R.T. 0.088 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

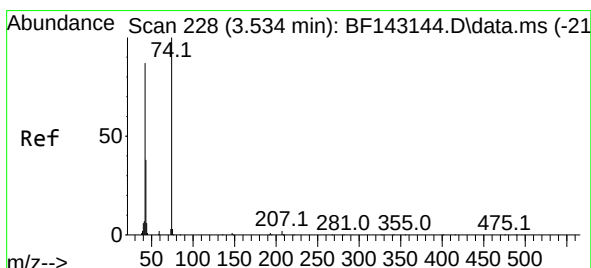
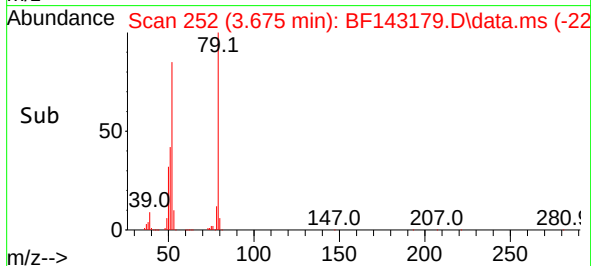
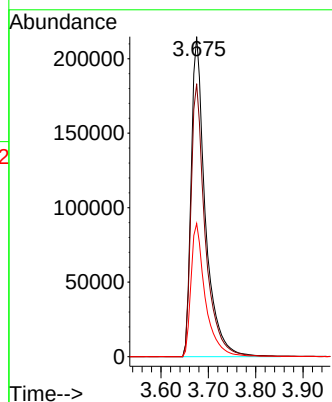
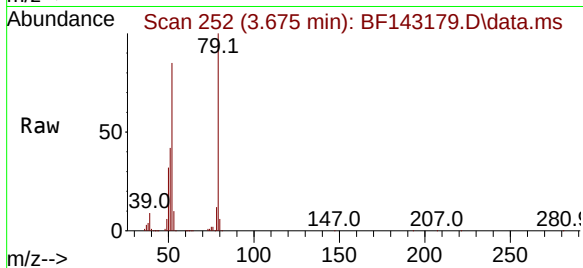
Tgt Ion: 79 Resp: 446109

Ion Ratio Lower Upper

79 100

52 85.3 69.4 104.2

51 41.6 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 44.016 ng

RT: 3.622 min Scan# 243

Delta R.T. 0.088 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

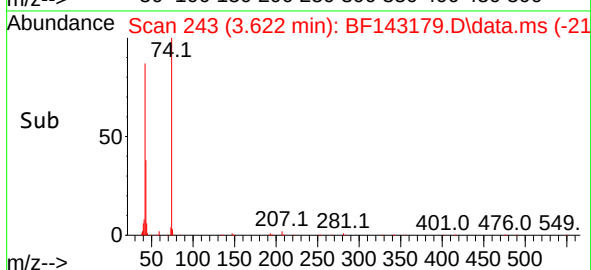
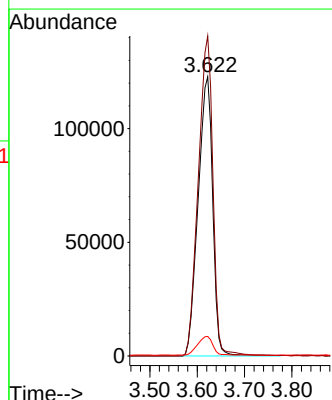
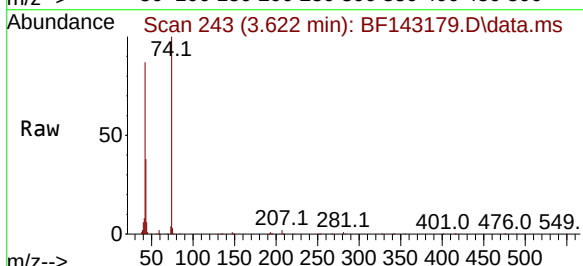
Tgt Ion: 42 Resp: 262477

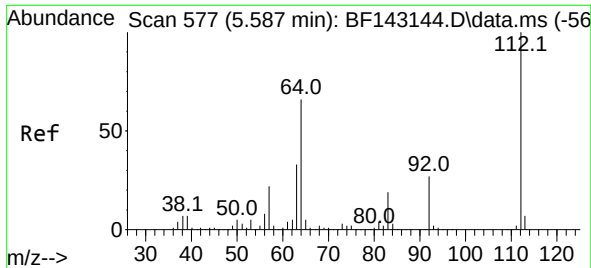
Ion Ratio Lower Upper

42 100

74 114.6 91.7 137.5

44 7.0 5.6 8.4

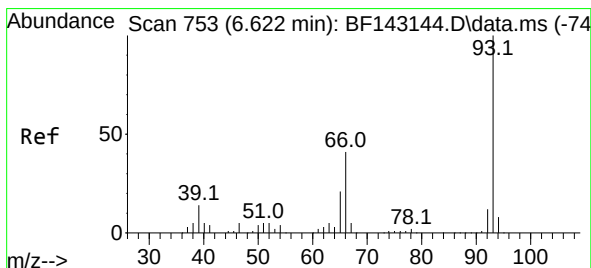
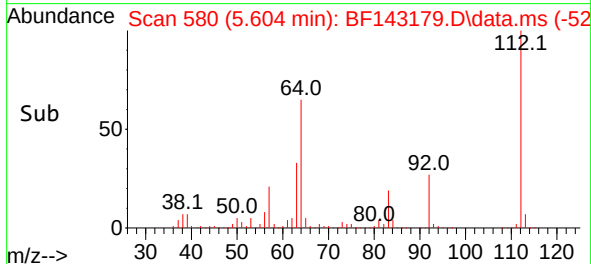
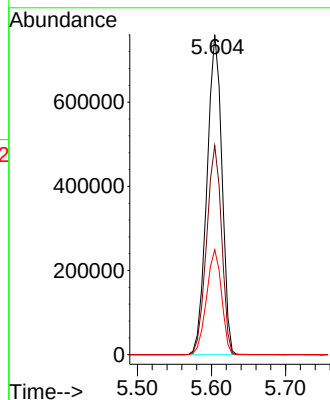
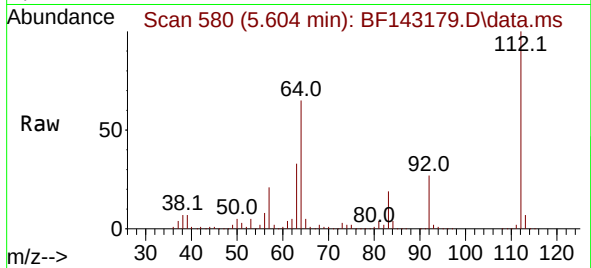




#5
2-Fluorophenol
Concen: 113.460 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

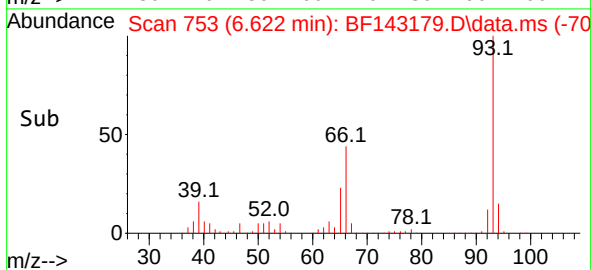
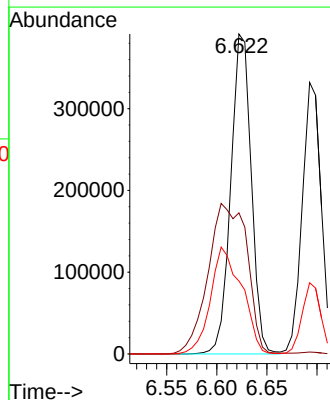
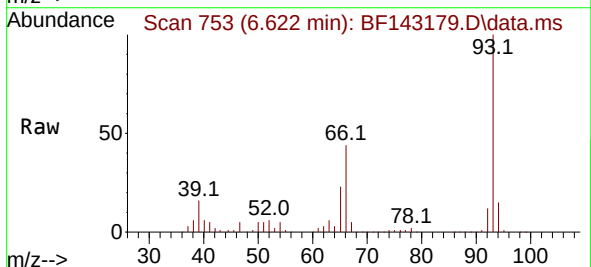
Instrument :
BNA_F
ClientSampleId :
PB168813BS

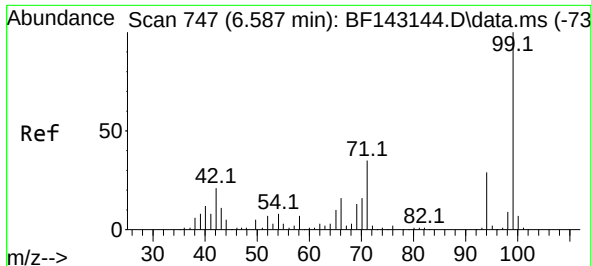
Tgt Ion:112 Resp: 1067004
Ion Ratio Lower Upper
112 100
64 65.4 53.1 79.7
63 32.8 26.6 40.0



#6
Aniline
Concen: 33.754 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 93 Resp: 556846
Ion Ratio Lower Upper
93 100
66 44.1 33.2 49.8
65 22.8 16.9 25.3





#7

Phenol-d6

Concen: 115.049 ng

RT: 6.593 min Scan# 747

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

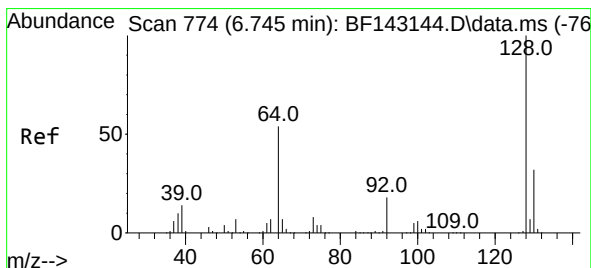
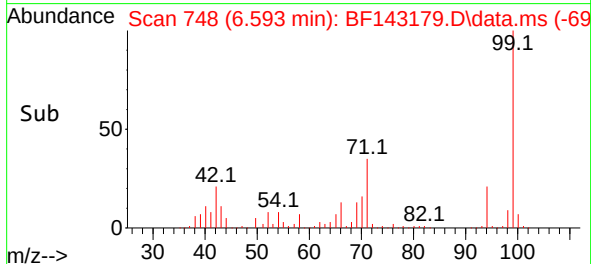
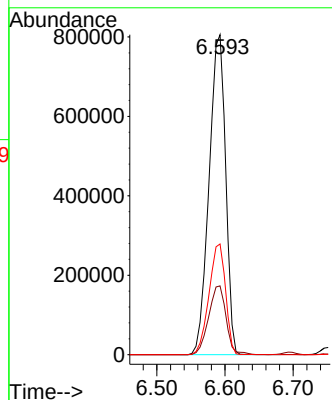
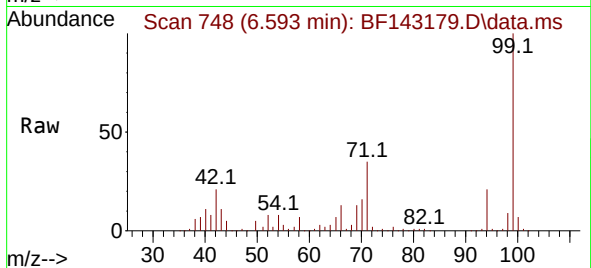
BNA_F

ClientSampleId :

PB168813BS

Tgt Ion: 99 Resp: 1361825

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	34.6	27.7	41.5



#8

2-Chlorophenol

Concen: 44.542 ng

RT: 6.751 min Scan# 775

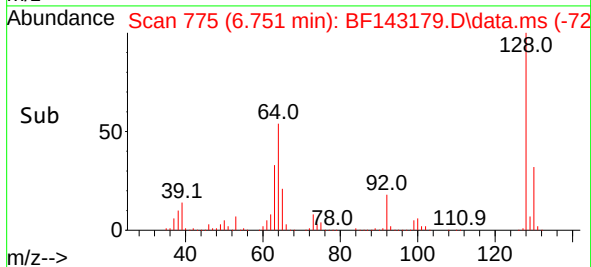
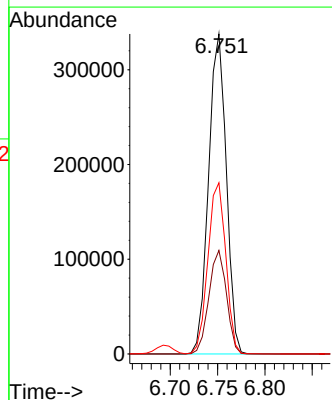
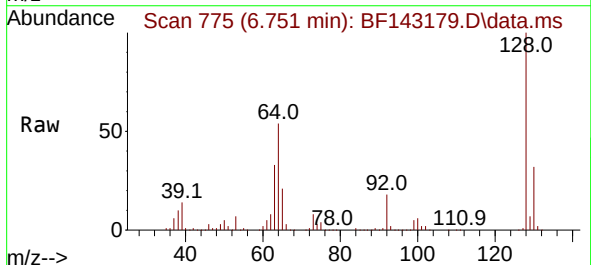
Delta R.T. 0.006 min

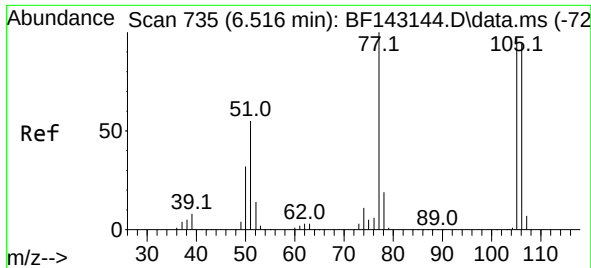
Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Tgt Ion:128 Resp: 439078

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	53.5	35.9	75.9

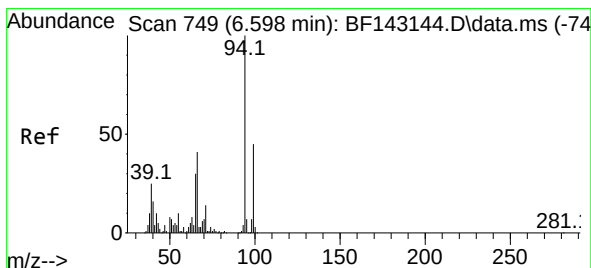
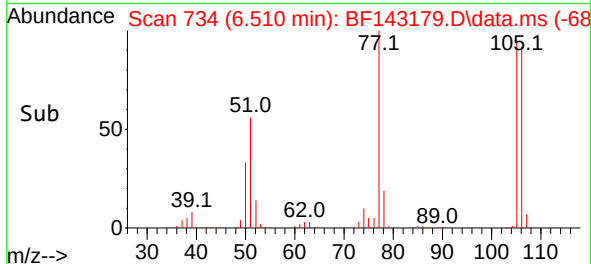
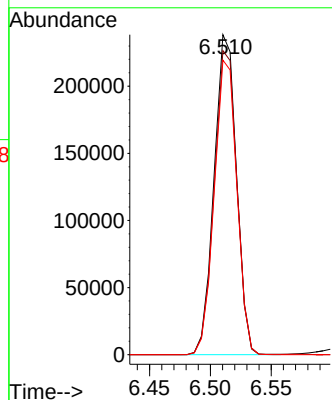
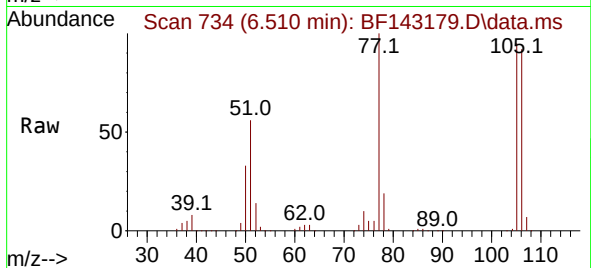




#9
Benzaldehyde
Concen: 34.290 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

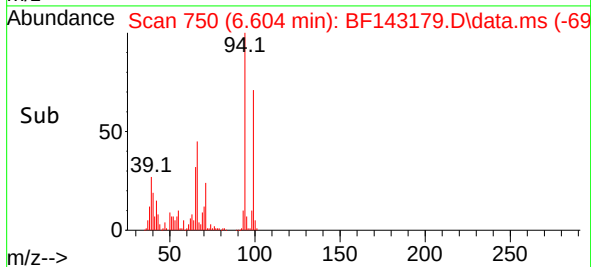
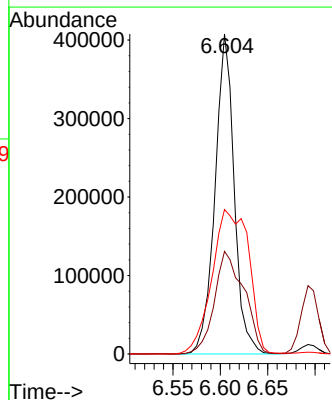
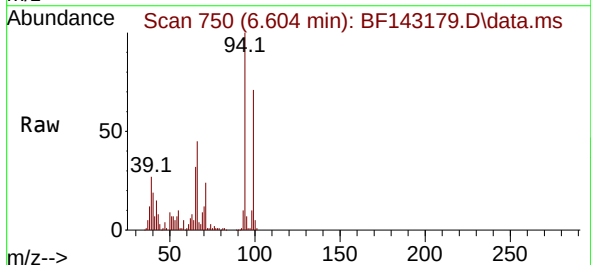
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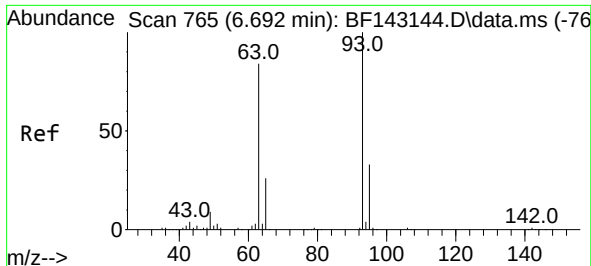
Tgt Ion: 77 Resp: 304356
Ion Ratio Lower Upper
77 100
105 95.0 76.8 116.8
106 92.1 74.4 114.4



#10
Phenol
Concen: 44.731 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 94 Resp: 576816
Ion Ratio Lower Upper
94 100
65 32.0 10.0 50.0
66 45.1 20.8 60.8

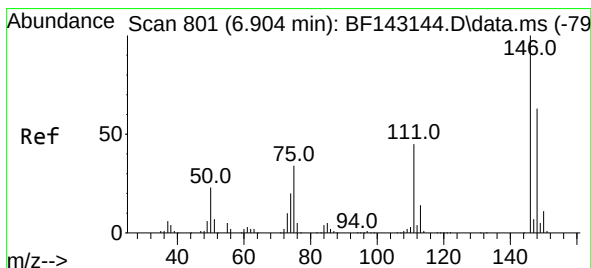
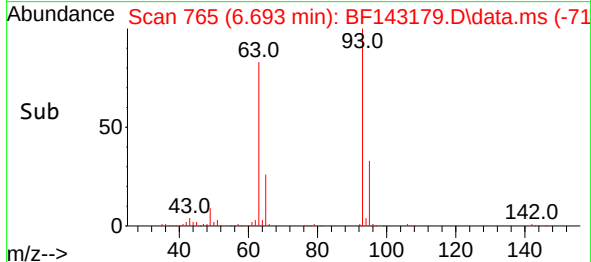
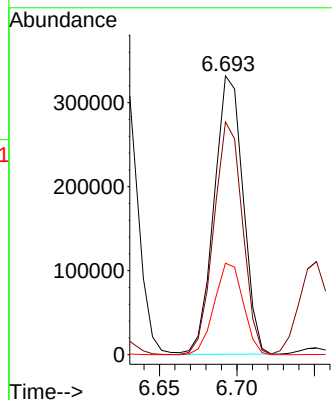
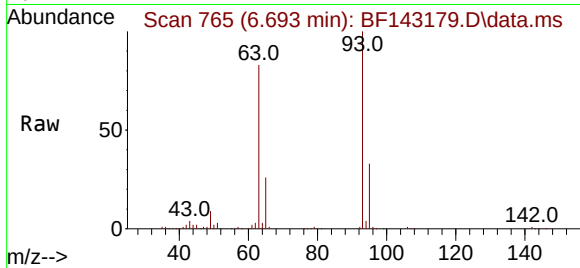




#11
bis(2-Chloroethyl)ether
Concen: 43.567 ng
RT: 6.693 min Scan# 701
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

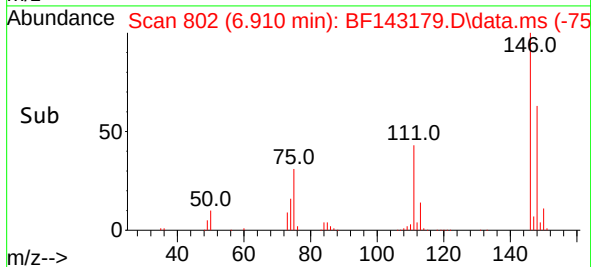
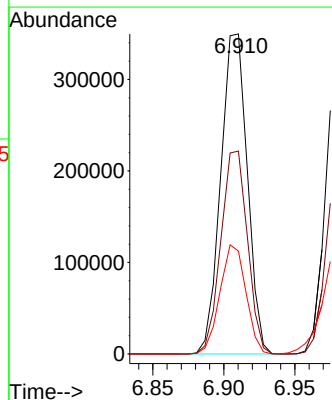
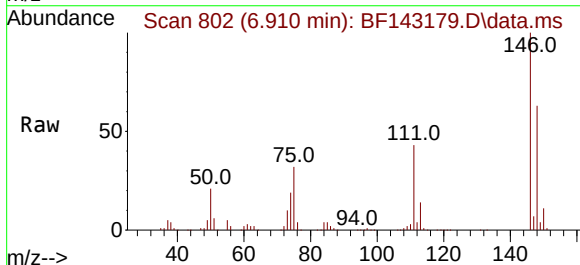
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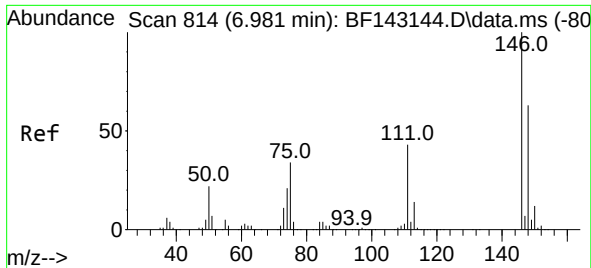
Tgt Ion: 93 Resp: 430148
Ion Ratio Lower Upper
93 100
63 83.4 63.4 103.4
95 32.8 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 42.595 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:146 Resp: 456124
Ion Ratio Lower Upper
146 100
148 63.4 50.6 76.0
75 32.1 27.4 41.2

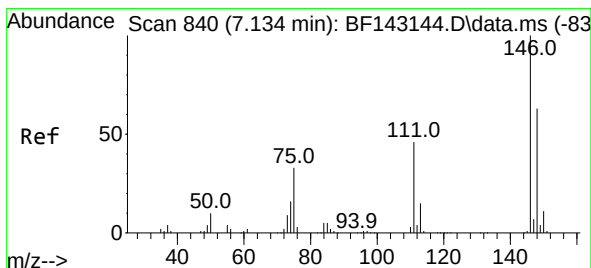
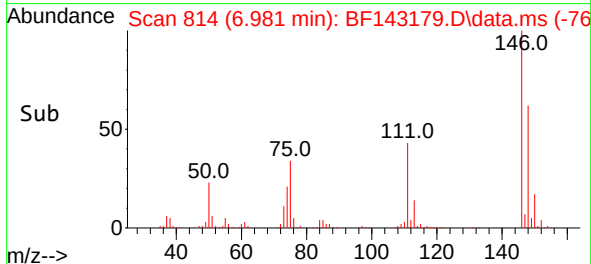
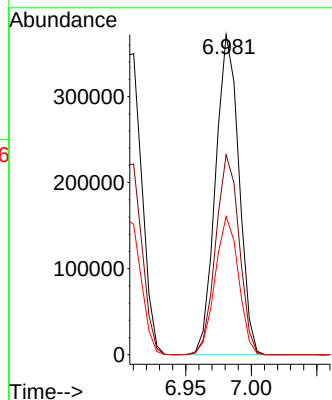
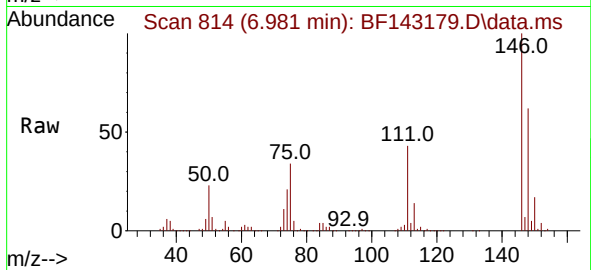




#13
1,4-Dichlorobenzene
Concen: 42.691 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

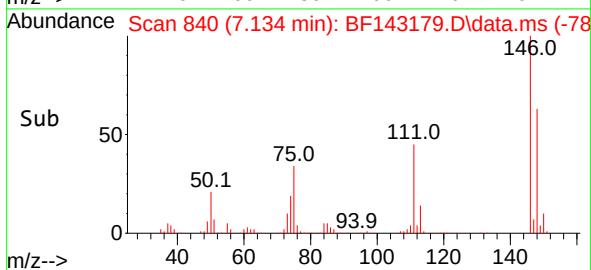
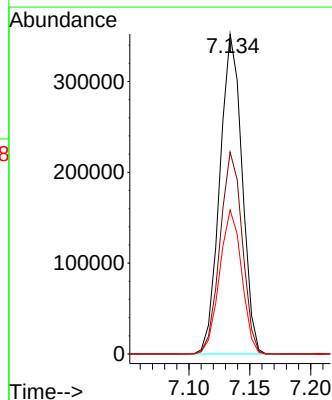
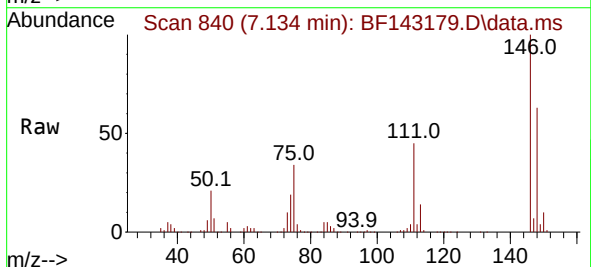
Instrument :
BNA_F
ClientSampleId :
PB168813BS

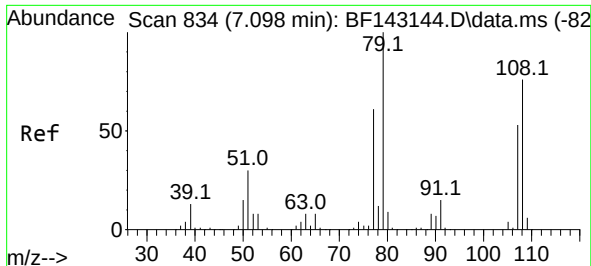
Tgt Ion:146 Resp: 460379
Ion Ratio Lower Upper
146 100
148 62.5 50.3 75.5
111 43.2 34.4 51.6



#14
1,2-Dichlorobenzene
Concen: 43.597 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:146 Resp: 447172
Ion Ratio Lower Upper
146 100
148 63.1 50.7 76.1
111 45.0 36.6 54.8

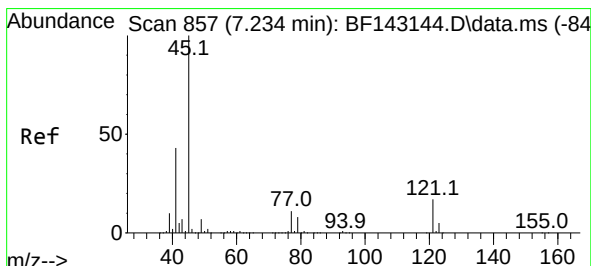
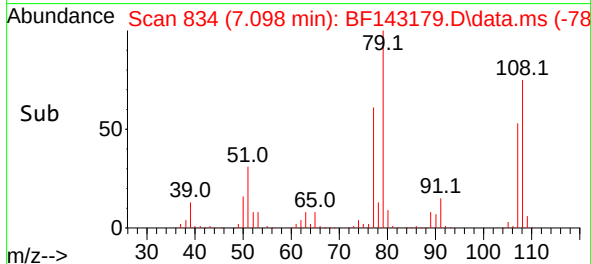
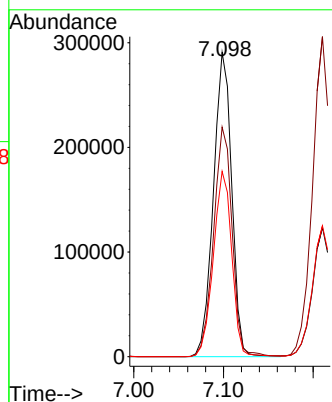
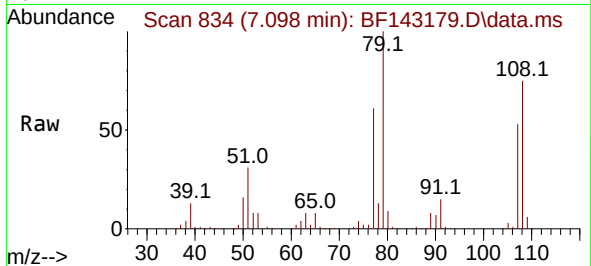




#15
Benzyl Alcohol
Concen: 45.687 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

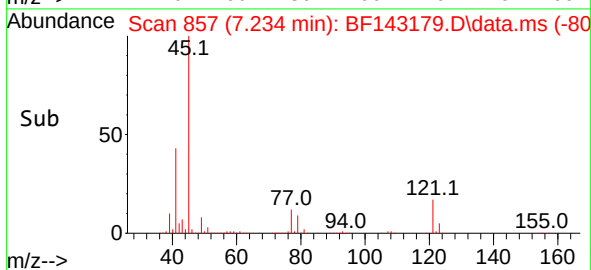
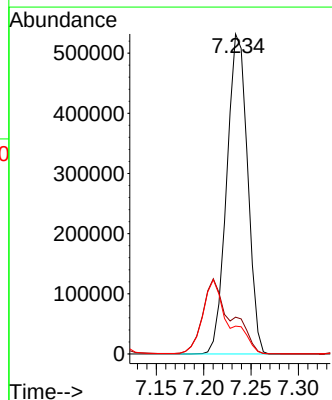
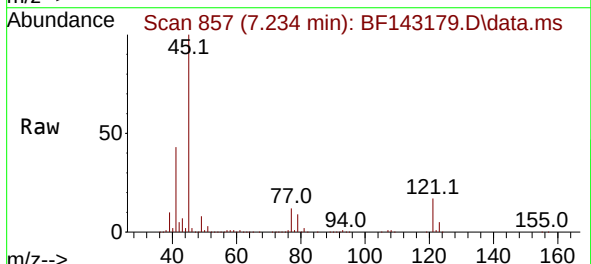
Instrument :
BNA_F
ClientSampleId :
PB168813BS

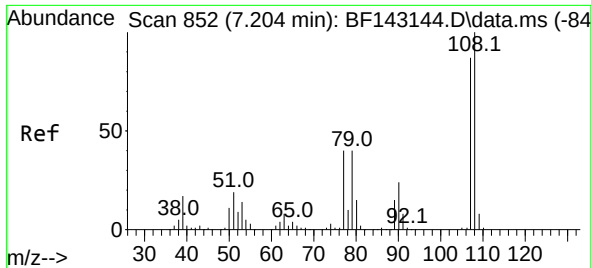
Tgt Ion: 79 Resp: 412922
Ion Ratio Lower Upper
79 100
108 75.5 61.1 91.7
77 60.9 48.9 73.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 44.324 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 45 Resp: 811805
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.2
79 8.7 0.0 28.5

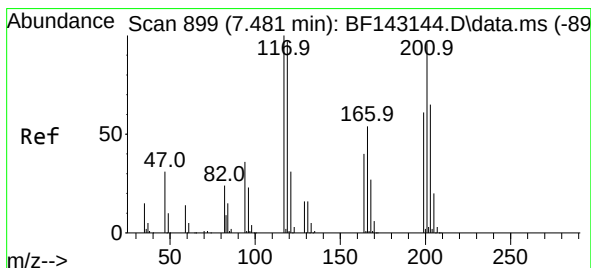
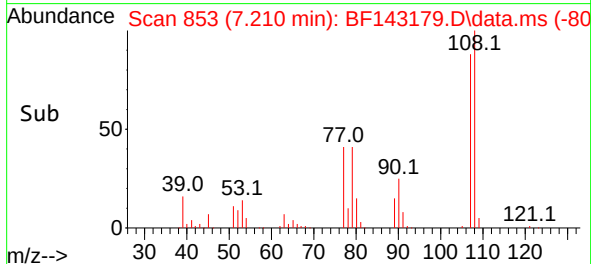
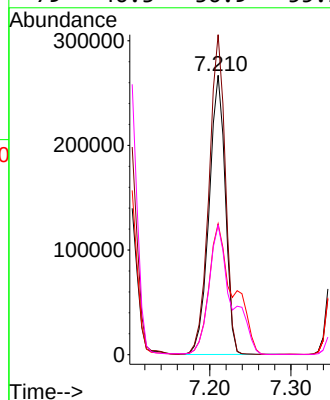
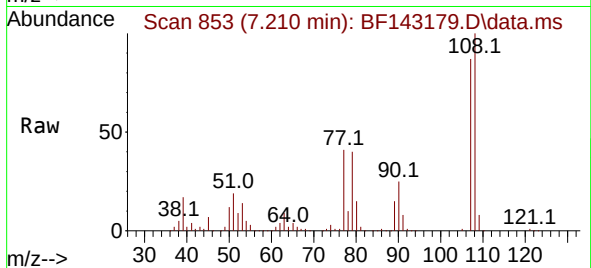




#17
2-Methylphenol
Concen: 44.705 ng
RT: 7.210 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

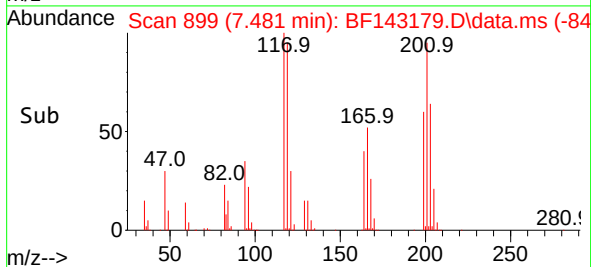
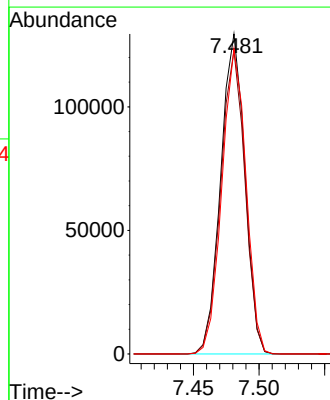
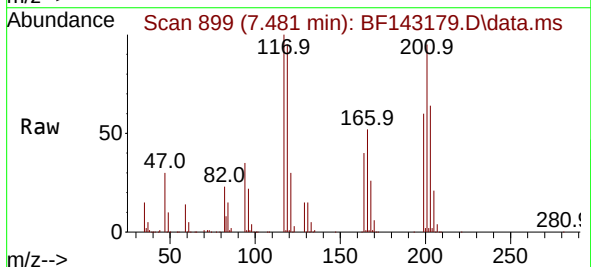
Instrument :
BNA_F
ClientSampleId :
PB168813BS

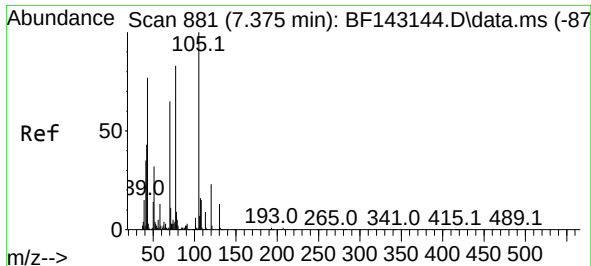
Tgt Ion:	107	Resp:	370529
Ion	Ratio	Lower	Upper
107	100		
108	114.6	91.8	137.6
77	46.9	37.0	55.6
79	46.3	36.9	55.3



#18
Hexachloroethane
Concen: 44.428 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:	117	Resp:	165860
Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.8	116.8
201	95.3	77.0	115.4



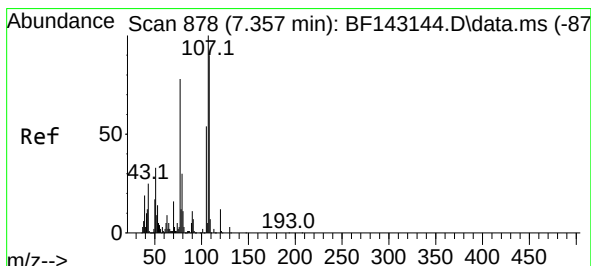
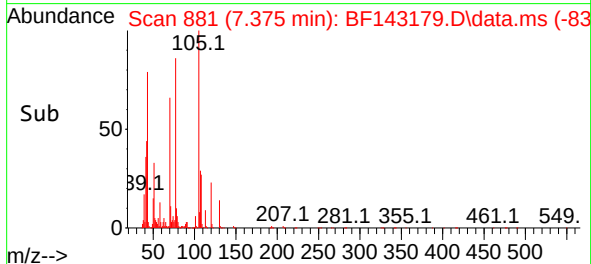
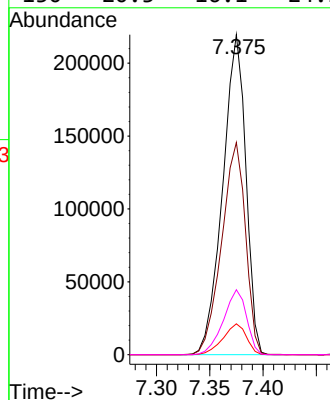
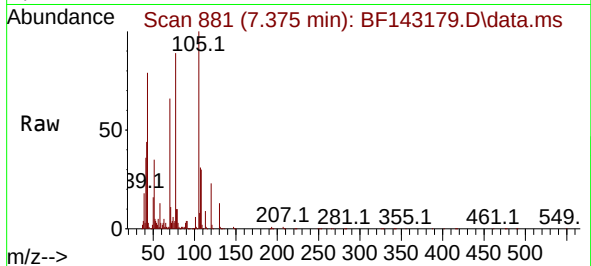


#19
n-Nitroso-di-n-propylamine
Concen: 43.689 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion: 70 Resp: 331784

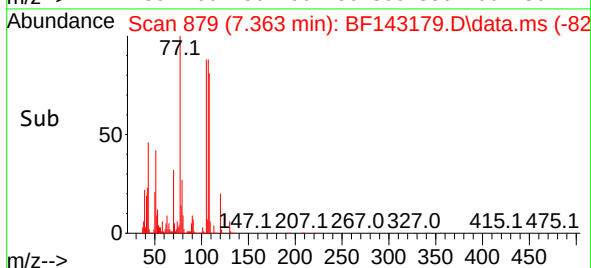
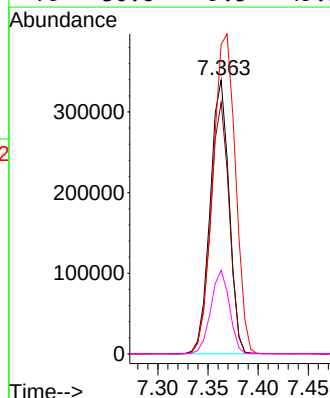
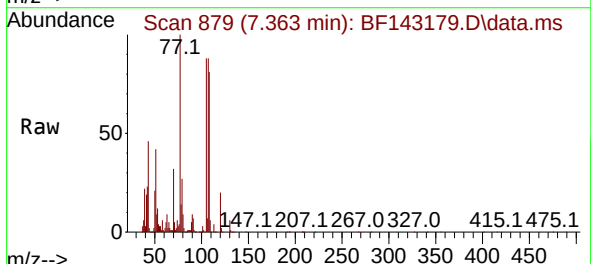
Ion	Ratio	Lower	Upper
70	100		
42	66.3	52.5	78.7
101	9.7	7.6	11.4
130	20.3	16.1	24.1

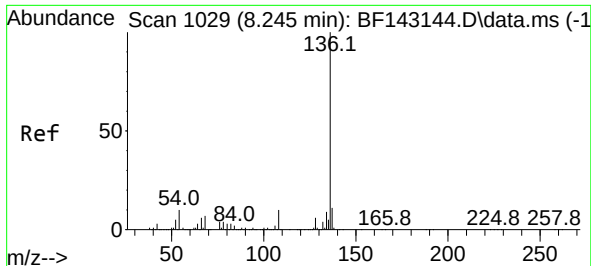


#20
3+4-Methylphenols
Concen: 44.232 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 107 Resp: 444798

Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.0	110.0
77	113.0	57.8	97.8
79	30.6	9.5	49.5

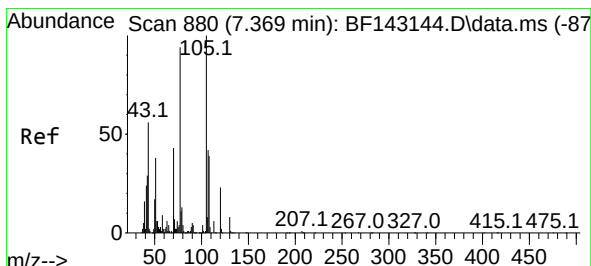
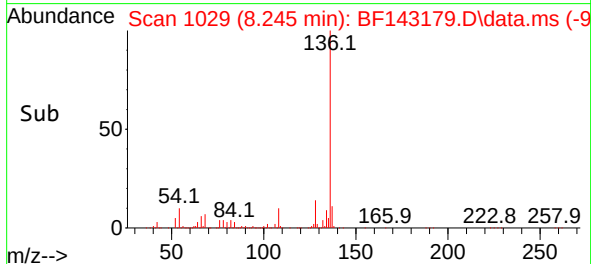
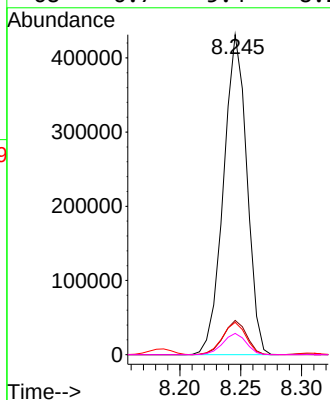
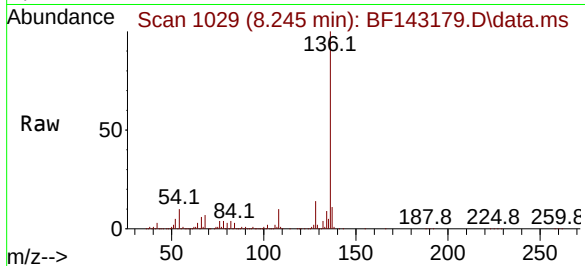




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

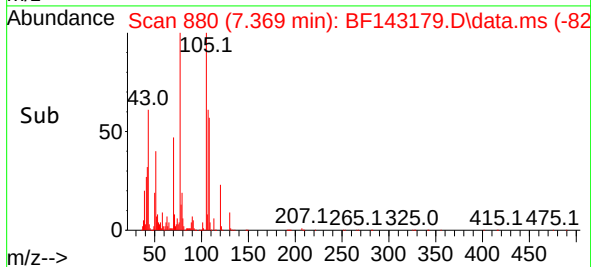
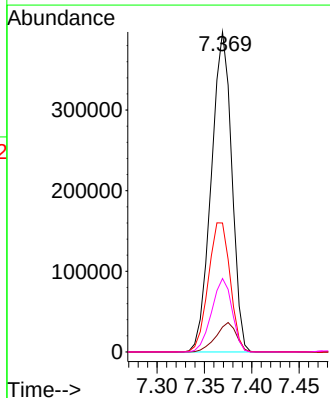
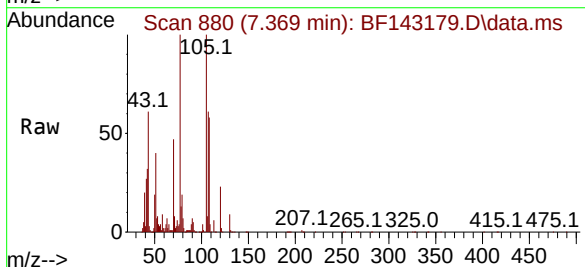
Instrument :
BNA_F
ClientSampleId :
PB168813BS

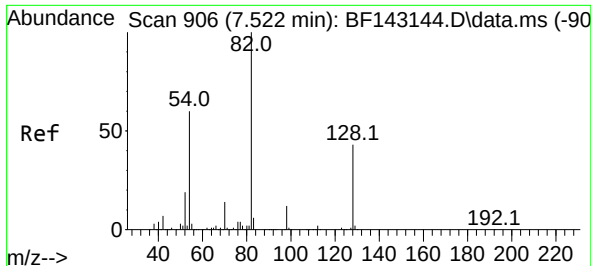
Tgt Ion:	136	Resp:	576425
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	10.1	8.2	12.2
68	6.7	5.4	8.2



#22
Acetophenone
Concen: 43.751 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:	105	Resp:	597065
Ion Ratio	Lower	Upper	
105	100		
71	7.8	5.8	8.6
51	40.3	30.2	45.2
120	23.0	18.2	27.4





#23

Nitrobenzene-d5

Concen: 81.668 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

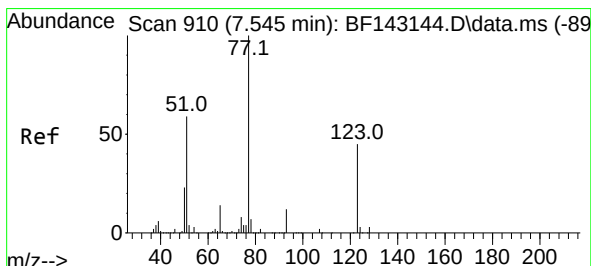
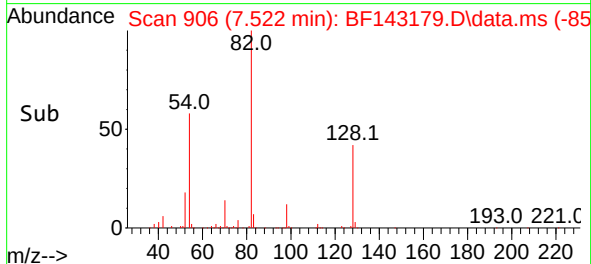
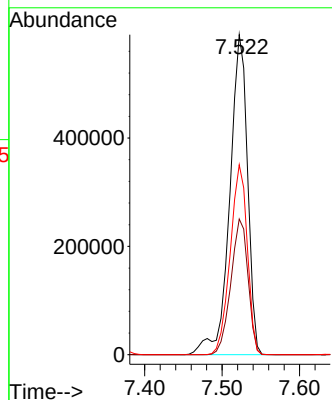
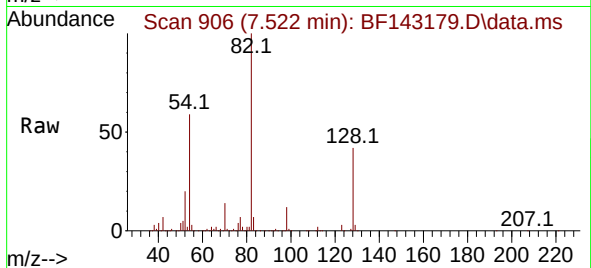
Tgt Ion: 82 Resp: 944398

Ion Ratio Lower Upper

82 100

128 42.4 33.6 50.4

54 59.3 47.1 70.7



#24

Nitrobenzene

Concen: 45.221 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

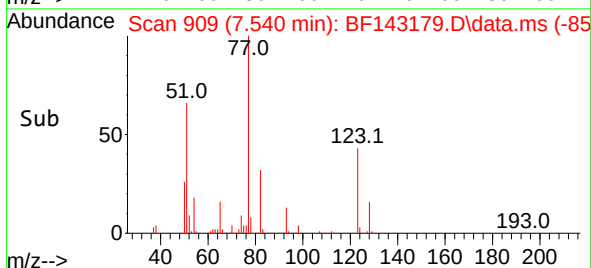
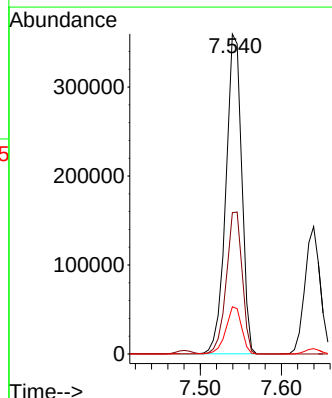
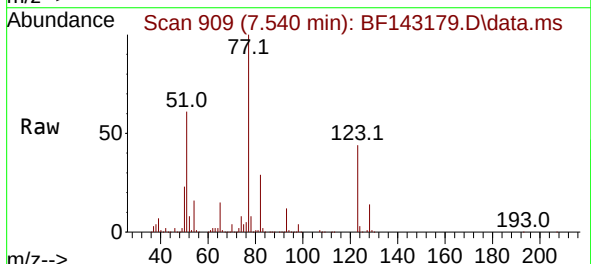
Tgt Ion: 77 Resp: 487538

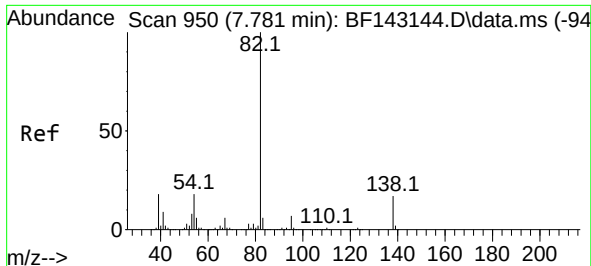
Ion Ratio Lower Upper

77 100

123 44.1 36.1 54.1

65 14.8 11.4 17.2

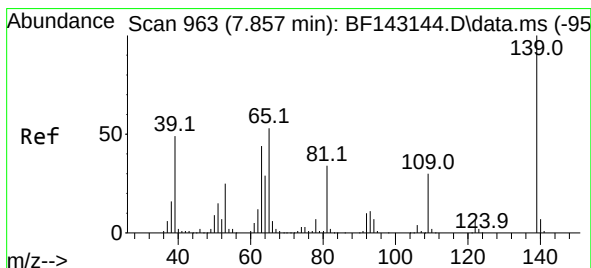
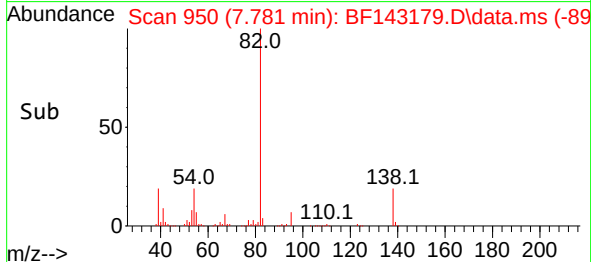
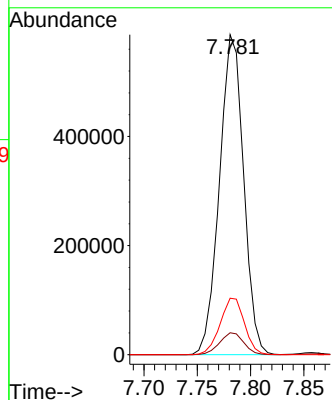
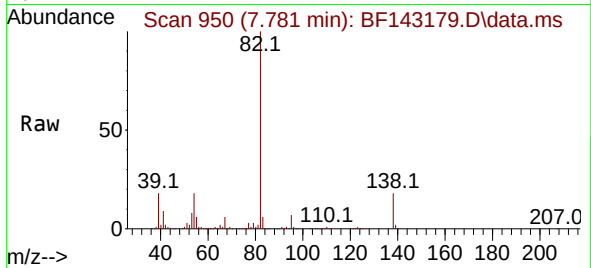




#25
Isophorone
Concen: 45.288 ng
RT: 7.781 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

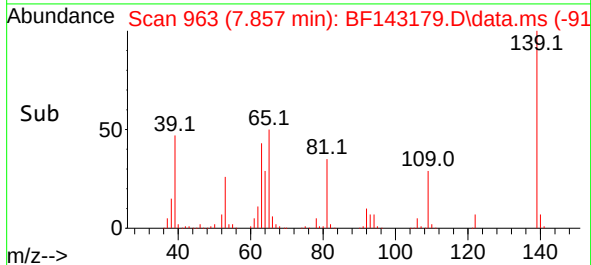
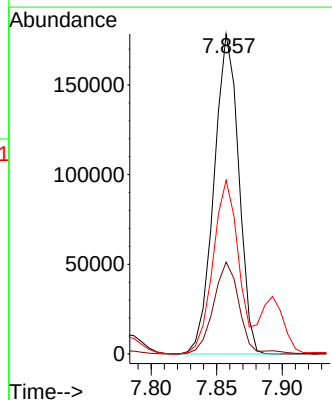
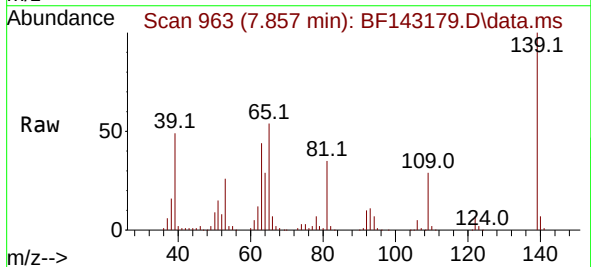
Instrument :
BNA_F
ClientSampleId :
PB168813BS

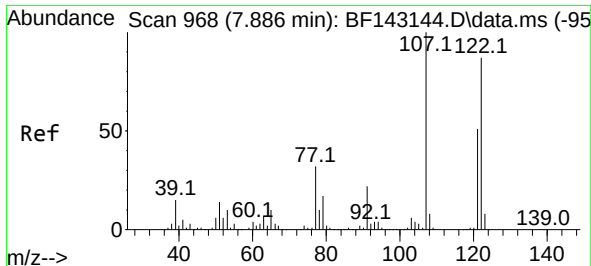
Tgt Ion: 82 Resp: 924505
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.7 13.8 20.8



#26
2-Nitrophenol
Concen: 50.000 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:139 Resp: 233949
Ion Ratio Lower Upper
139 100
109 28.7 23.6 35.4
65 54.3 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 45.326 ng

RT: 7.893 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

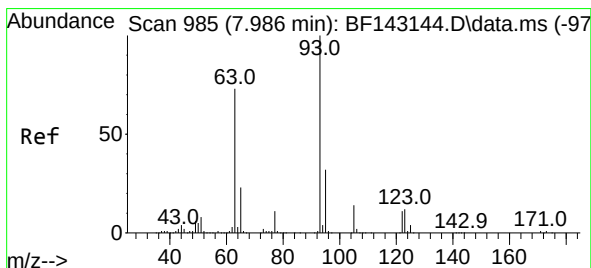
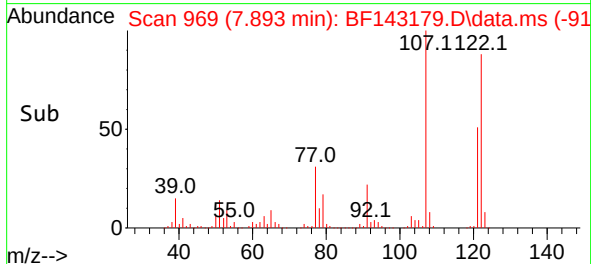
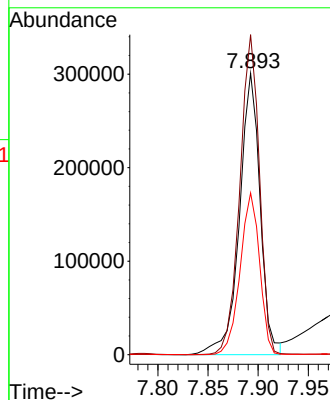
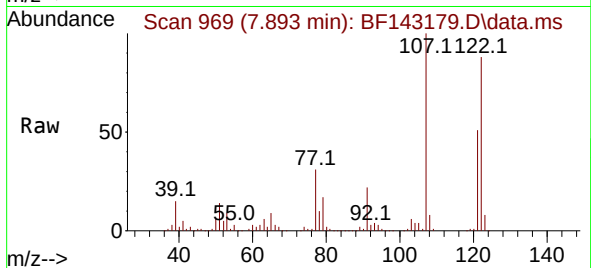
Tgt Ion:122 Resp: 432302

Ion Ratio Lower Upper

122 100

107 113.7 91.8 137.6

121 57.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 44.689 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

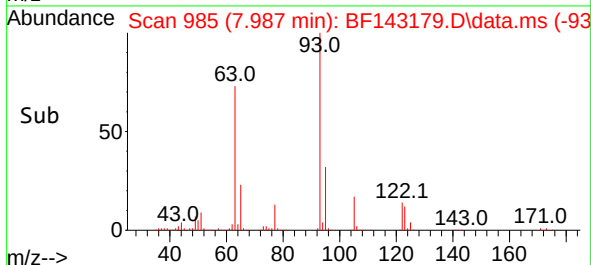
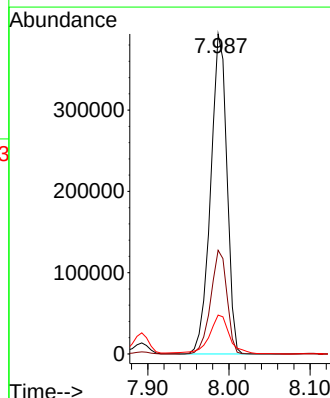
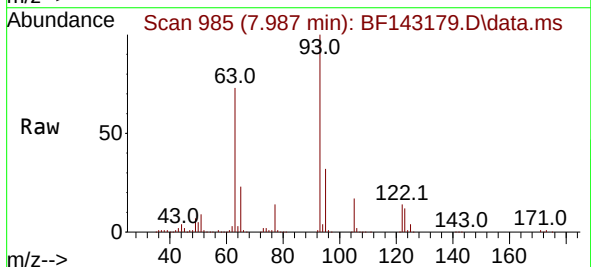
Tgt Ion: 93 Resp: 546978

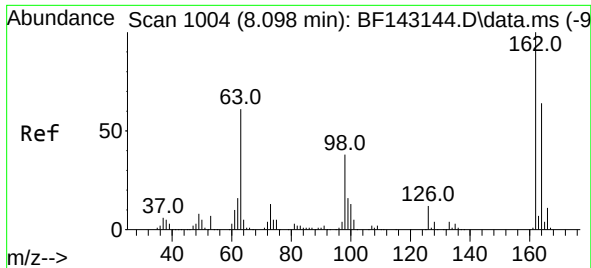
Ion Ratio Lower Upper

93 100

95 32.4 25.8 38.6

123 12.1 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 45.667 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

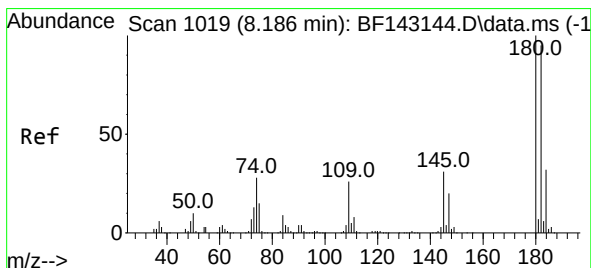
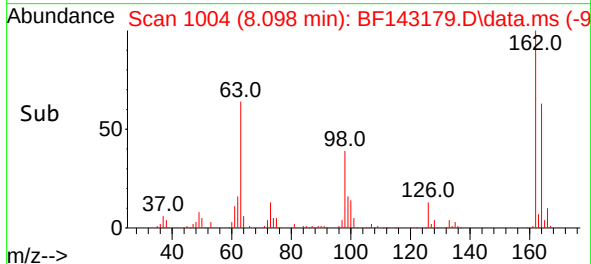
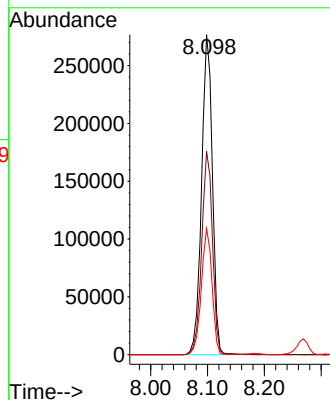
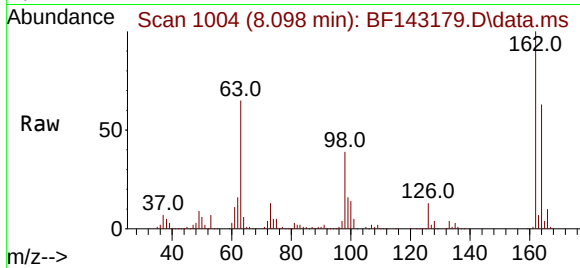
Tgt Ion:162 Resp: 367314

Ion Ratio Lower Upper

162 100

164 63.5 44.2 84.2

98 39.4 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 44.032 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

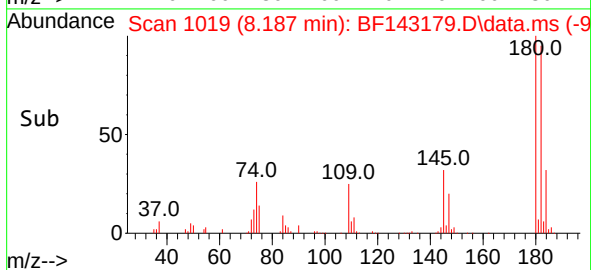
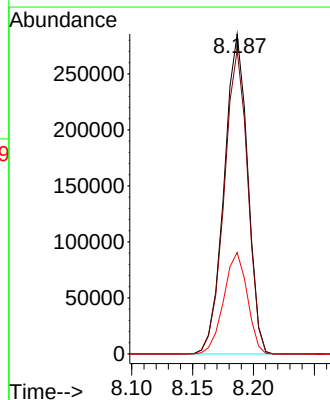
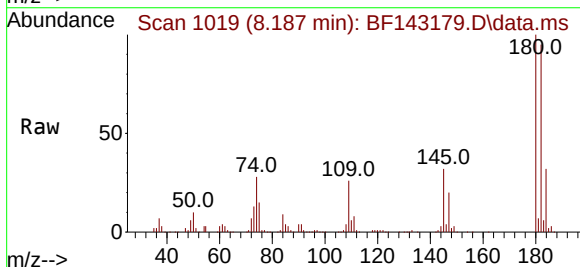
Tgt Ion:180 Resp: 382623

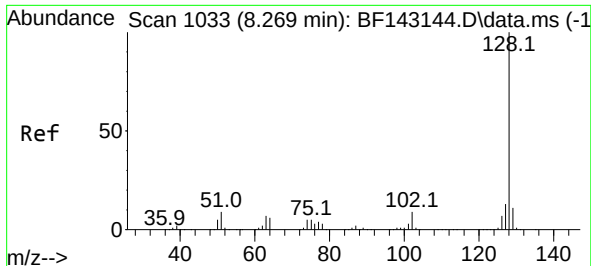
Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.2

145 31.7 25.0 37.6

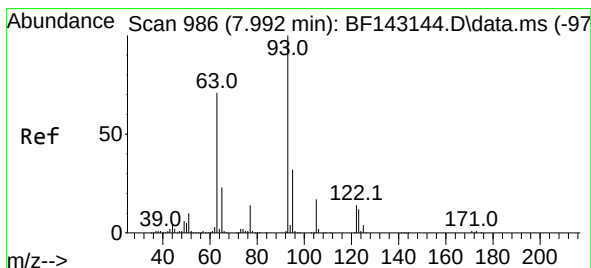
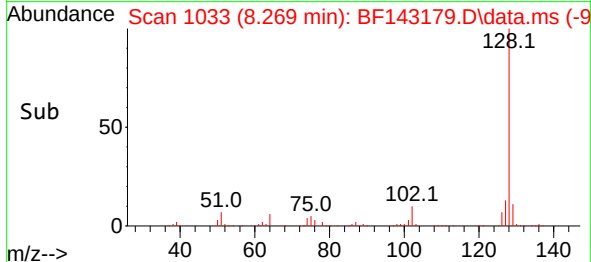
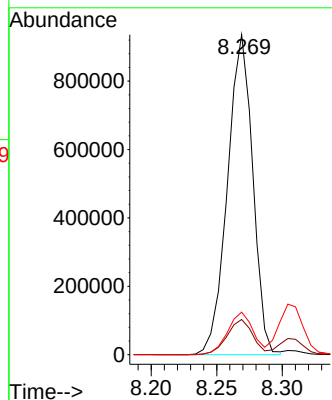
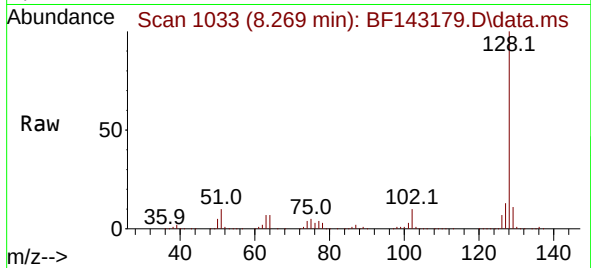




#31
Naphthalene
Concen: 44.183 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

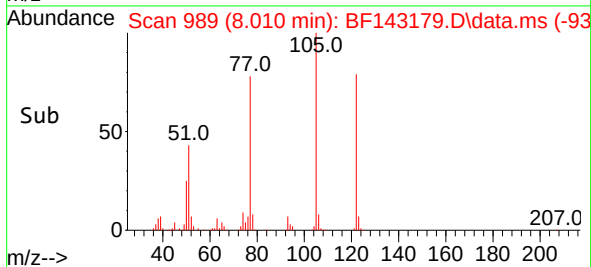
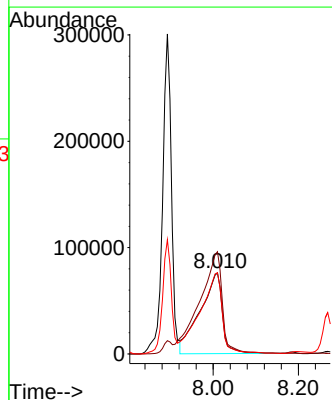
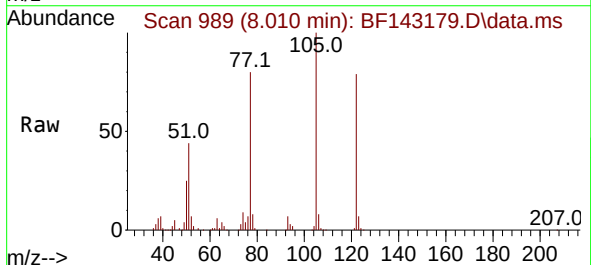
Instrument :
BNA_F
ClientSampleId :
PB168813BS

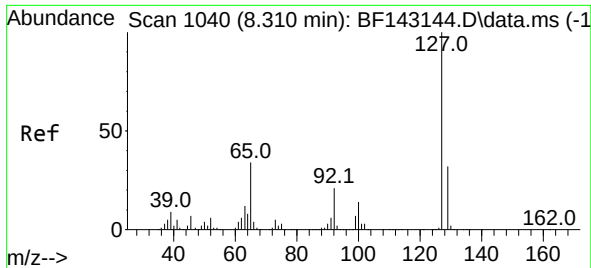
Tgt Ion:128 Resp: 1254290
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 50.943 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:122 Resp: 275604
Ion Ratio Lower Upper
122 100
105 126.3 104.8 144.8
77 100.5 77.6 117.6

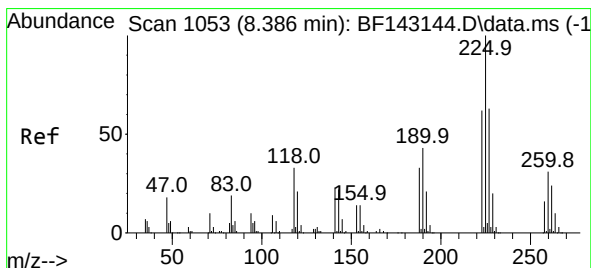
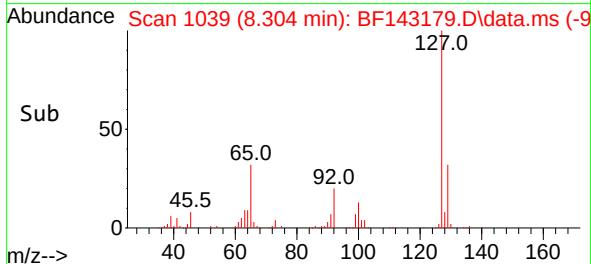
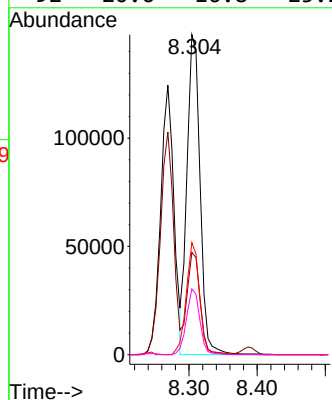
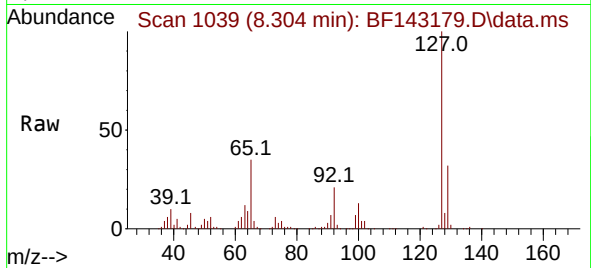




#33
4-Chloroaniline
Concen: 16.978 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

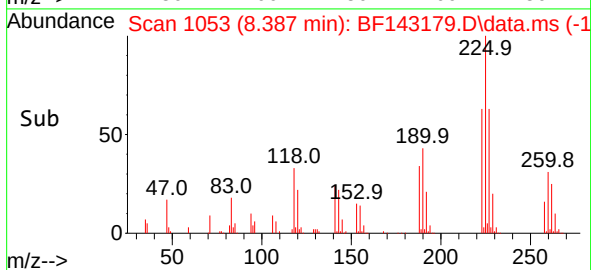
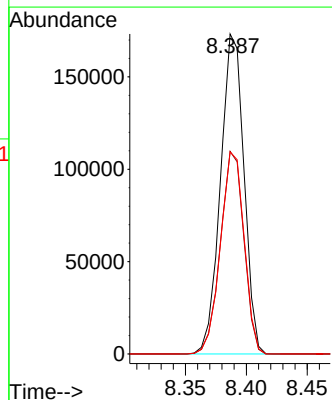
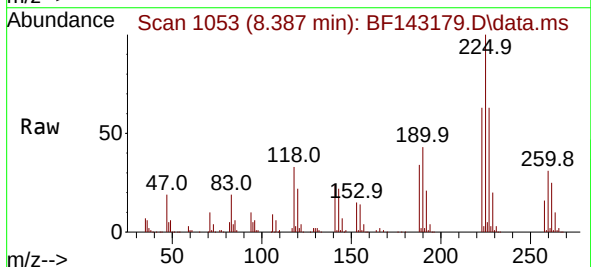
Instrument :
BNA_F
ClientSampleId :
PB168813BS

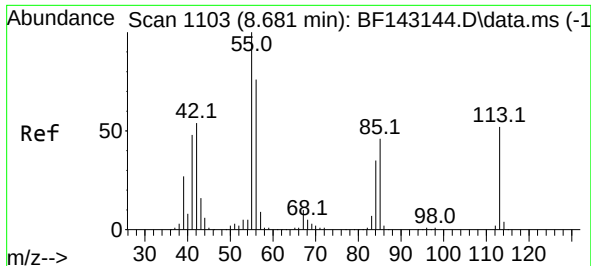
Tgt Ion:127	Resp: 196806
Ion Ratio	Lower Upper
127 100	
129 32.0	26.0 39.0
65 35.0	27.4 41.2
92 20.6	16.8 25.2



#34
Hexachlorobutadiene
Concen: 43.811 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt	Ion:225	Resp:	232563
Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.8	74.6
227	63.2	50.2	75.4

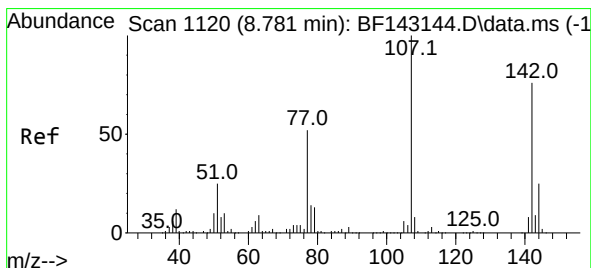
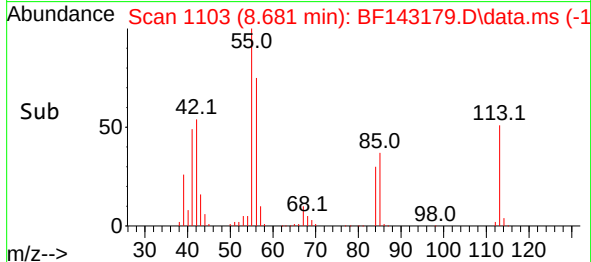
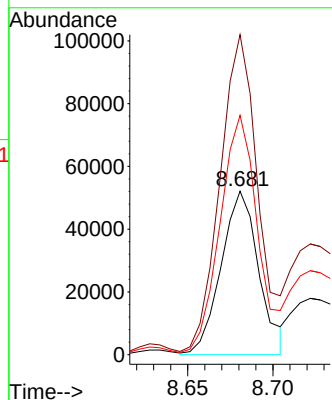
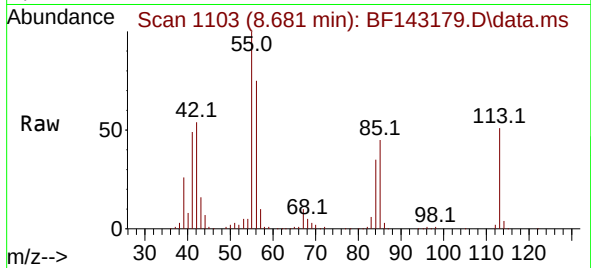




#35
 Caprolactam
 Concen: 32.914 ng
 RT: 8.681 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44

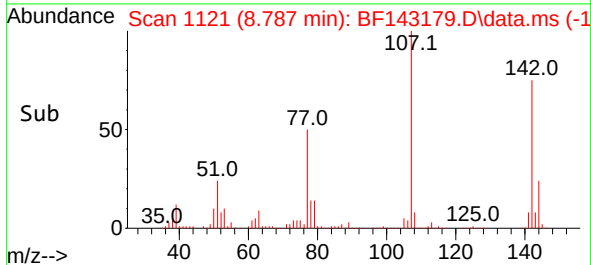
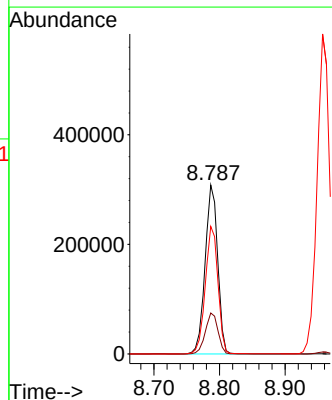
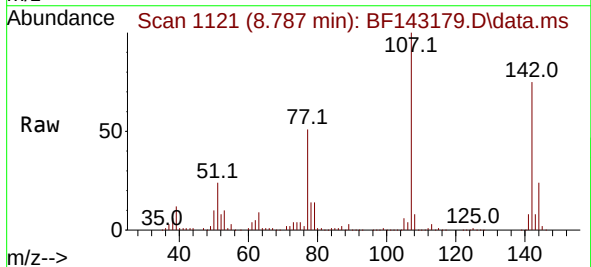
Instrument :
 BNA_F
 ClientSampleId :
 PB168813BS

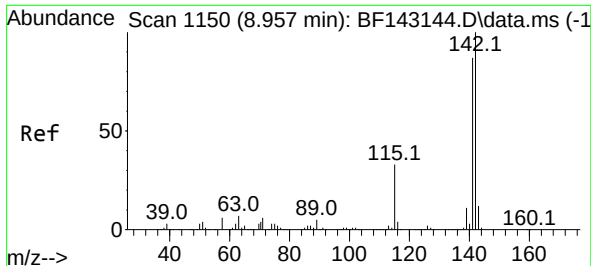
Tgt Ion:113 Resp: 79999
 Ion Ratio Lower Upper
 113 100
 55 195.7 174.0 214.0
 56 146.4 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 47.346 ng
 RT: 8.787 min Scan# 1121
 Delta R.T. 0.006 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44

Tgt Ion:107 Resp: 413921
 Ion Ratio Lower Upper
 107 100
 144 24.3 19.8 29.6
 142 75.5 60.6 90.8

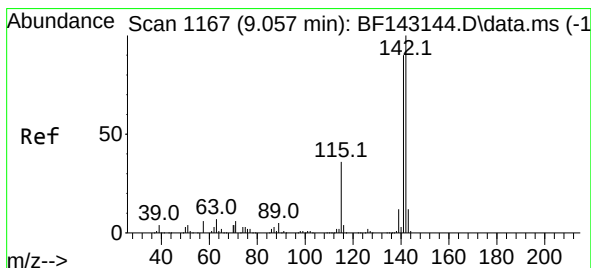
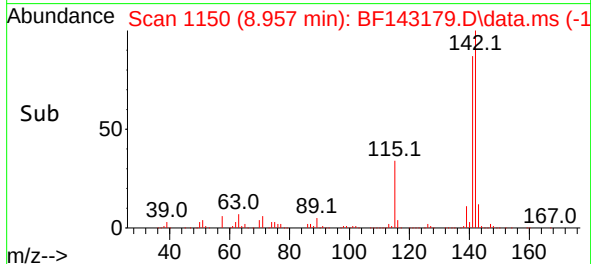
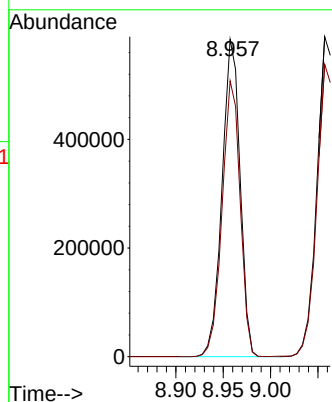
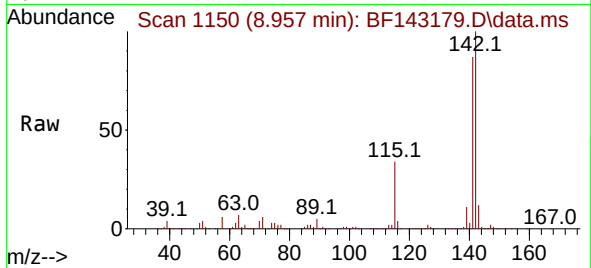




#37
2-Methylnaphthalene
Concen: 44.775 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

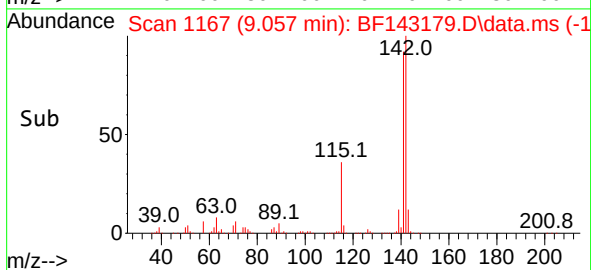
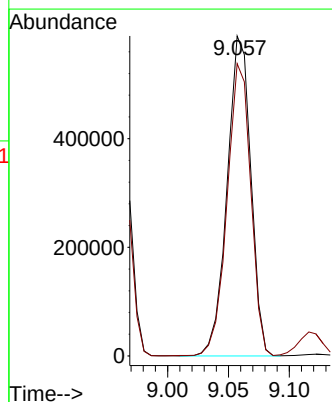
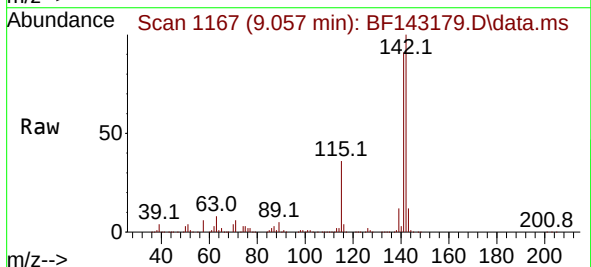
Instrument :
BNA_F
ClientSampleId :
PB168813BS

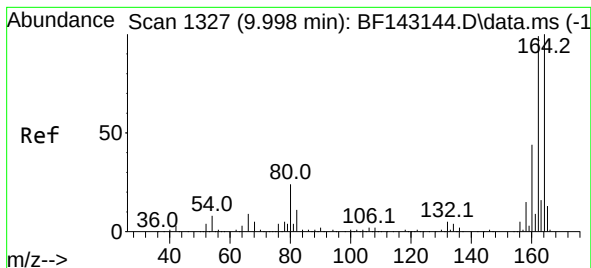
Tgt Ion:142 Resp: 773479
Ion Ratio Lower Upper
142 100
141 87.0 69.9 104.9



#38
1-Methylnaphthalene
Concen: 44.722 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:142 Resp: 795535
Ion Ratio Lower Upper
142 100
141 91.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

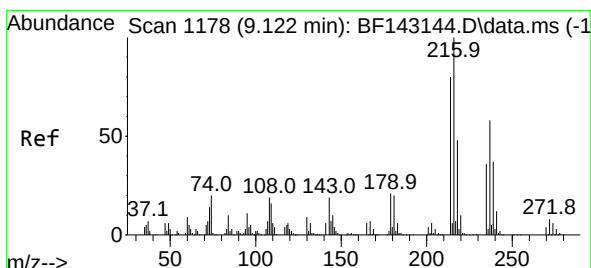
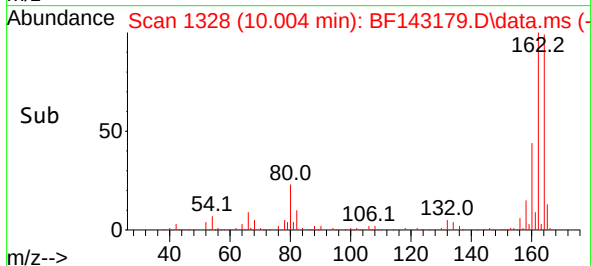
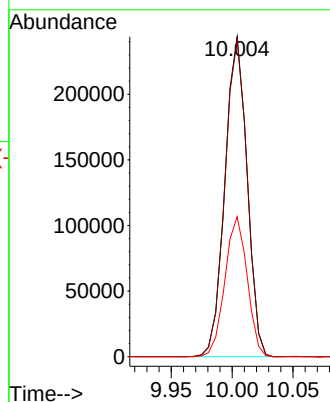
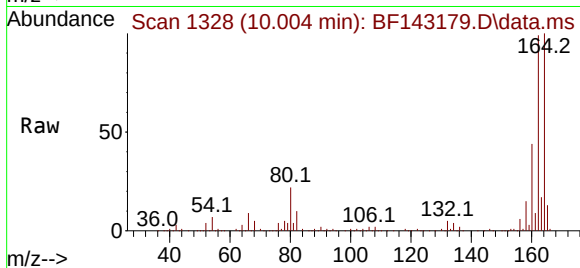
Tgt Ion:164 Resp: 308303

Ion Ratio Lower Upper

164 100

162 99.2 79.0 118.6

160 43.8 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.800 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Tgt Ion:216 Resp: 372068

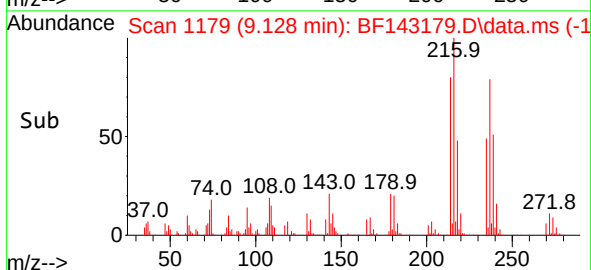
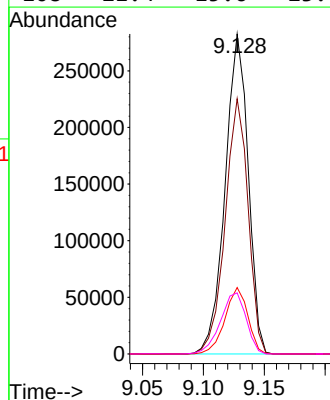
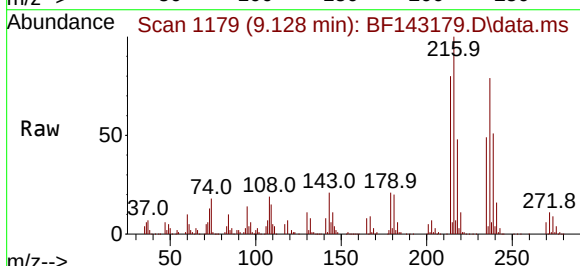
Ion Ratio Lower Upper

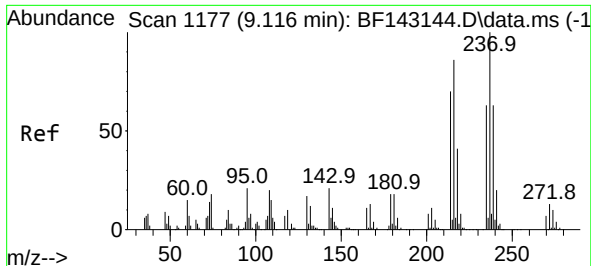
216 100

214 79.1 63.8 95.8

179 20.6 16.4 24.6

108 21.4 15.6 23.4

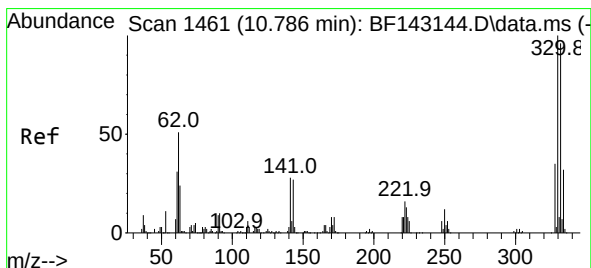
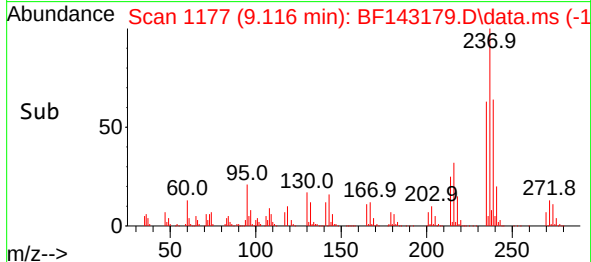
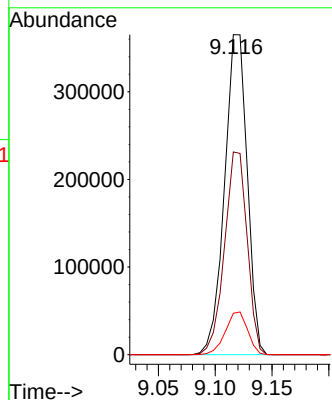
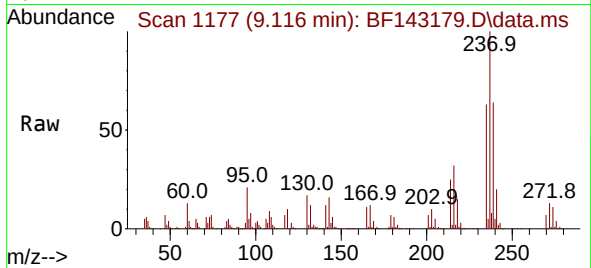




#41
Hexachlorocyclopentadiene
Concen: 87.703 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

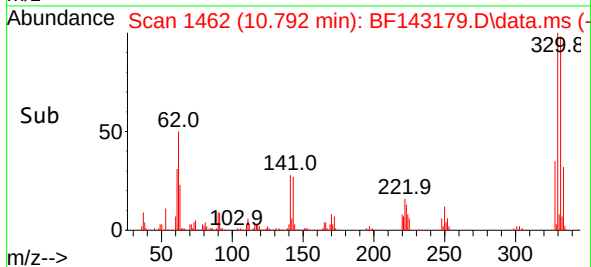
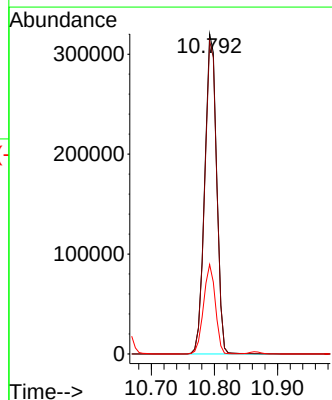
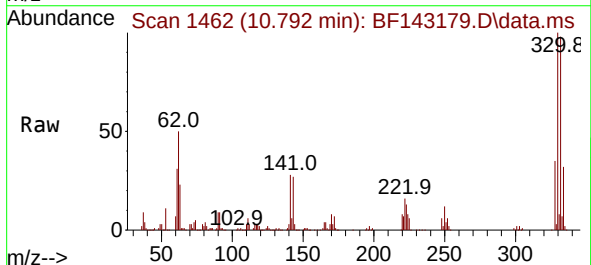
Instrument :
BNA_F
ClientSampleId :
PB168813BS

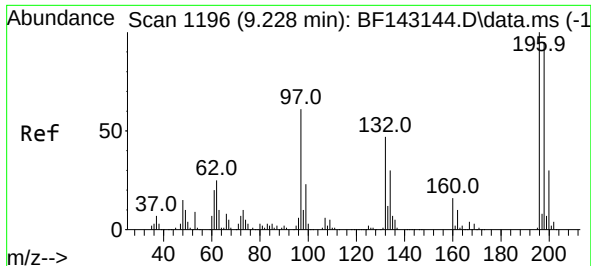
Tgt Ion:237 Resp: 507942
Ion Ratio Lower Upper
237 100
235 63.4 43.0 83.0
272 13.0 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 131.675 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:330 Resp: 419377
Ion Ratio Lower Upper
330 100
332 98.1 76.7 115.1
141 27.7 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 44.464 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

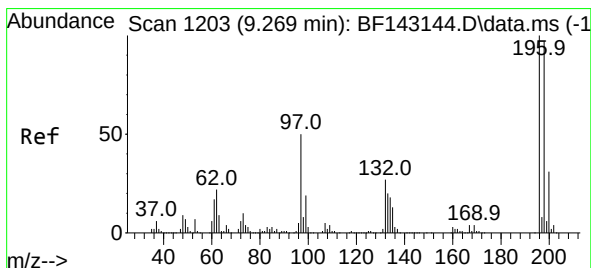
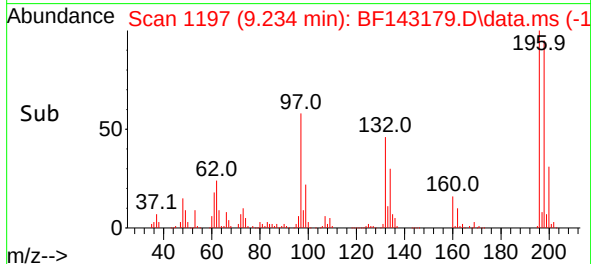
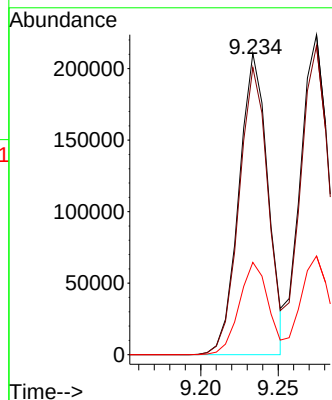
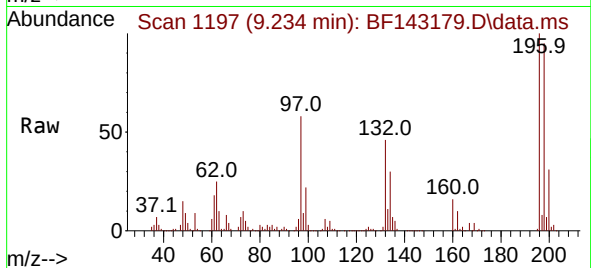
Tgt Ion:196 Resp: 273909

Ion Ratio Lower Upper

196 100

198 95.3 76.2 114.2

200 30.7 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 46.193 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Tgt Ion:196 Resp: 284651

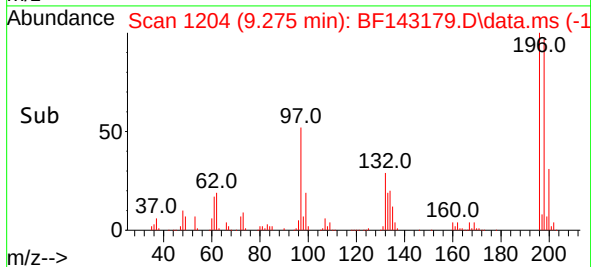
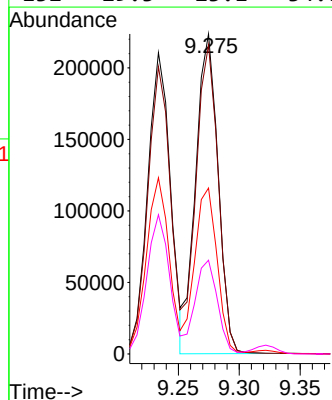
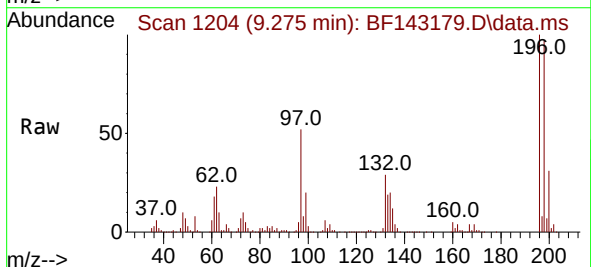
Ion Ratio Lower Upper

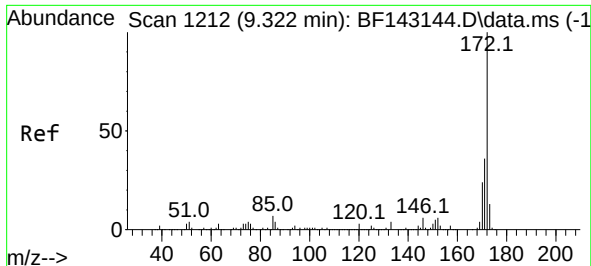
196 100

198 96.6 77.3 115.9

97 51.8 40.3 60.5

132 29.3 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.110 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

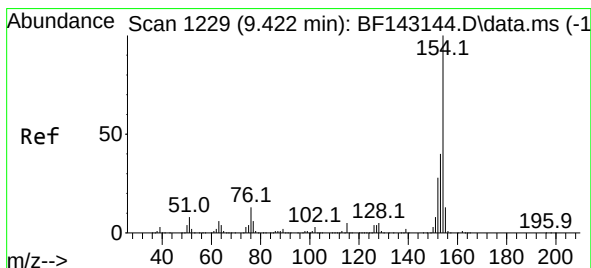
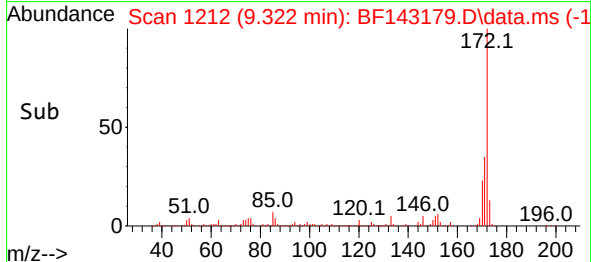
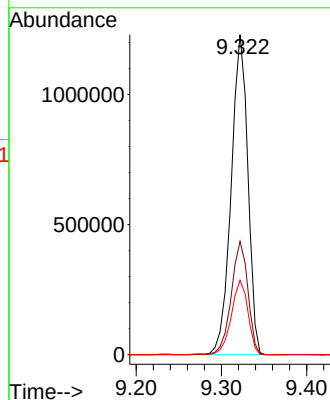
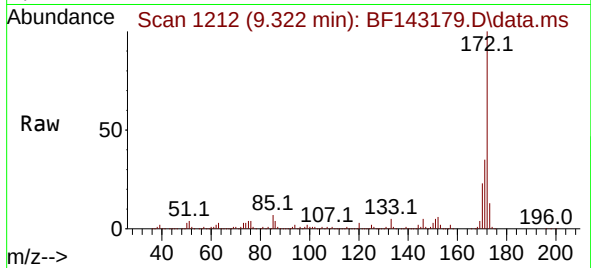
BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:172 Resp: 1670652

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.3	18.8	28.2



#46

1,1'-Biphenyl

Concen: 43.521 ng

RT: 9.422 min Scan# 1229

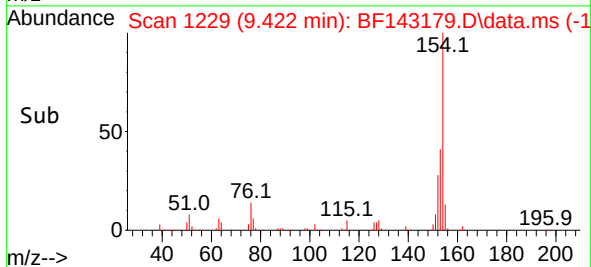
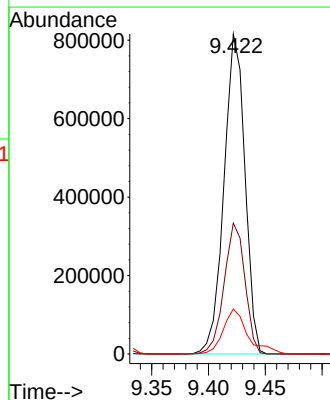
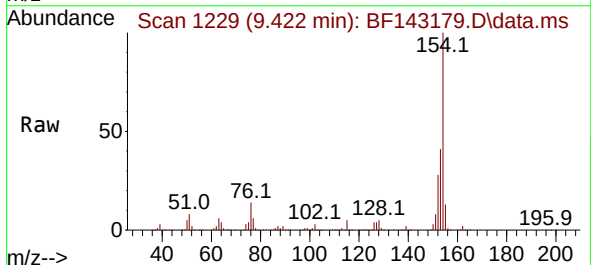
Delta R.T. 0.000 min

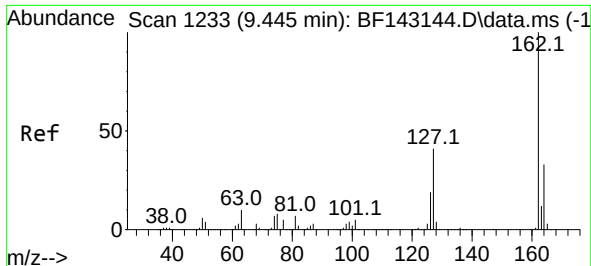
Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Tgt Ion:154 Resp: 1046849

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.3	60.3
76	14.0	0.0	33.3





#47

2-Chloronaphthalene

Concen: 43.035 ng

RT: 9.451 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

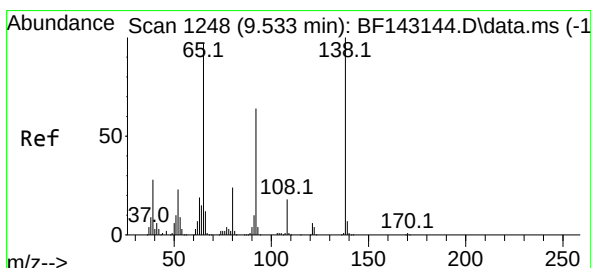
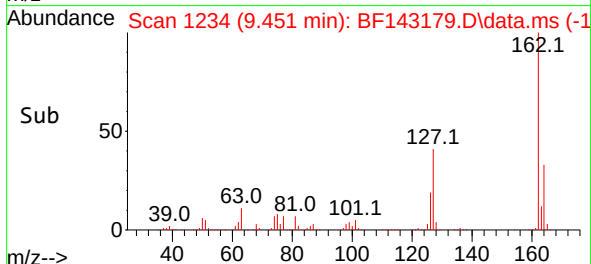
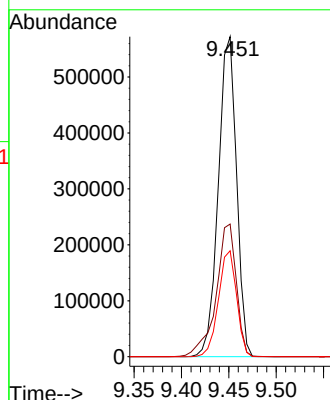
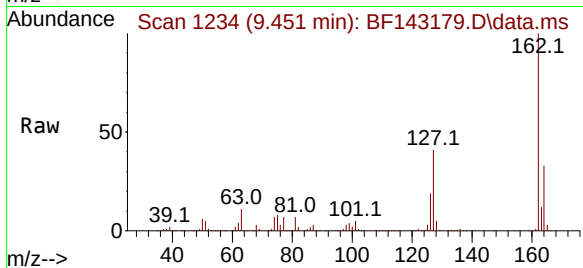
Tgt Ion:162 Resp: 765933

Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

164 33.1 26.2 39.2



#48

2-Nitroaniline

Concen: 49.756 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

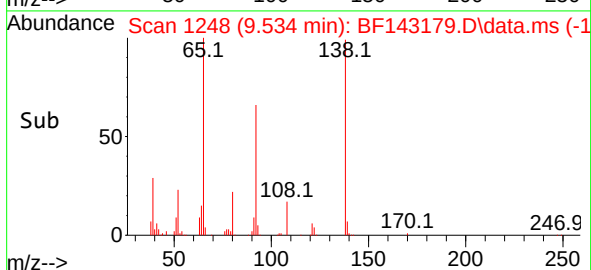
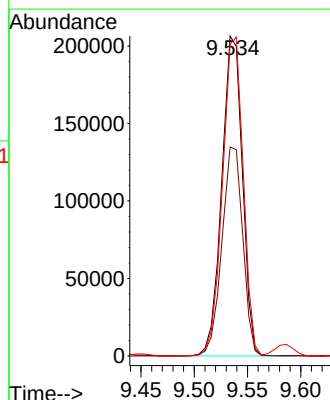
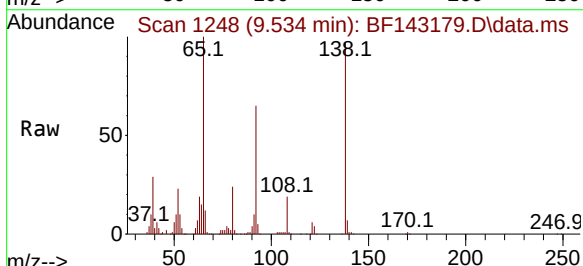
Tgt Ion: 65 Resp: 277706

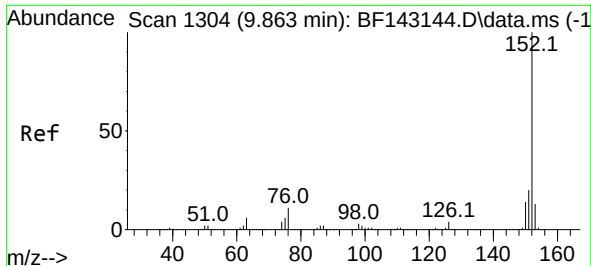
Ion Ratio Lower Upper

65 100

92 65.3 52.4 78.6

138 97.4 82.3 123.5

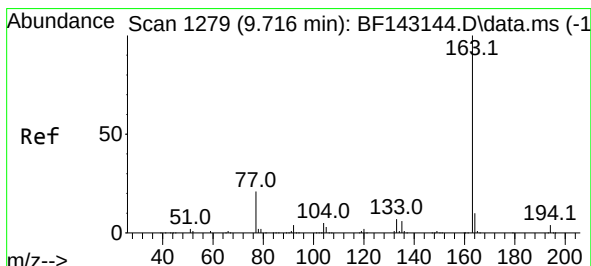
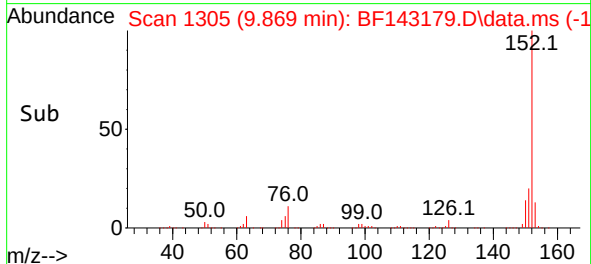
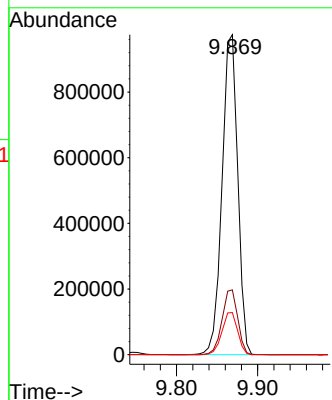
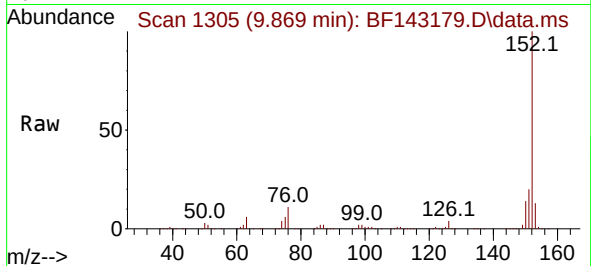




#49
Acenaphthylene
Concen: 43.980 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

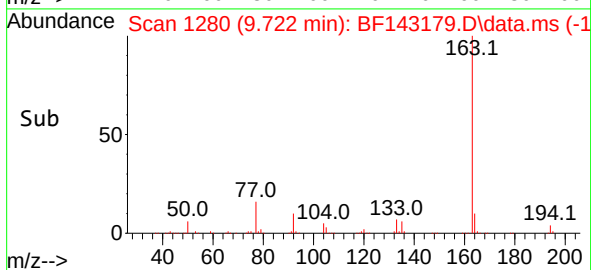
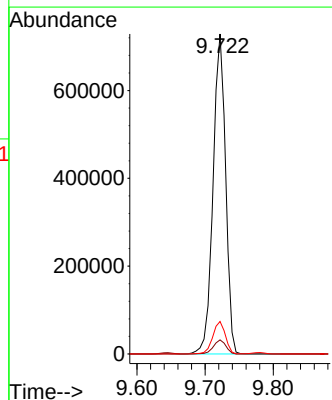
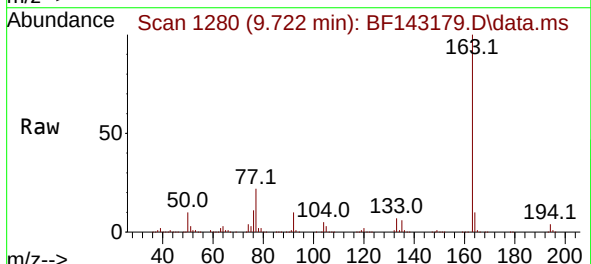
Instrument :
BNA_F
ClientSampleId :
PB168813BS

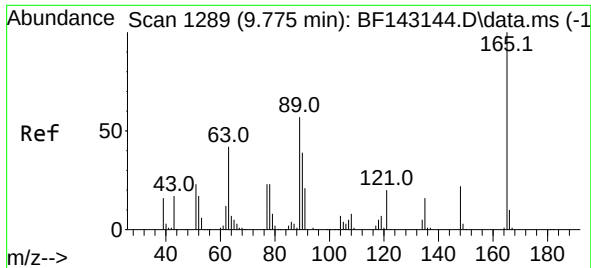
Tgt Ion:152 Resp: 1311787
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.2 10.6 16.0



#50
Dimethylphthalate
Concen: 46.478 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:163 Resp: 934025
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.2 8.3 12.5

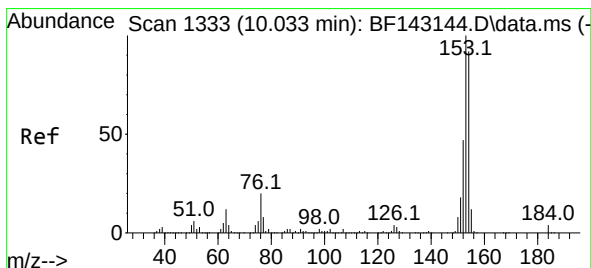
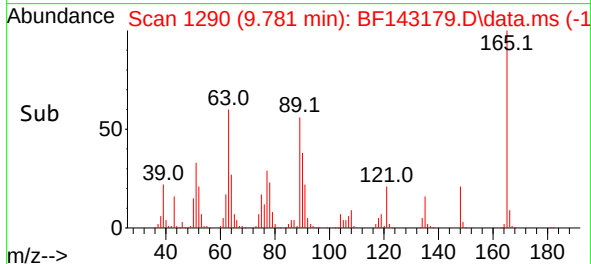
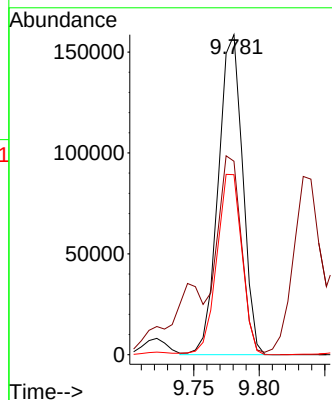
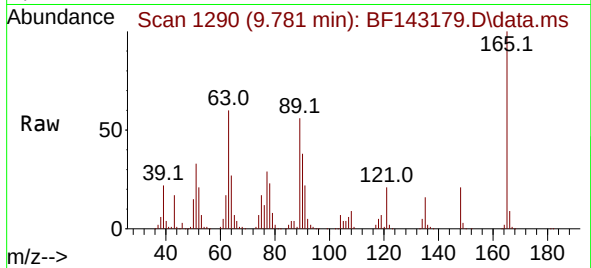




#51
2,6-Dinitrotoluene
Concen: 50.140 ng
RT: 9.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

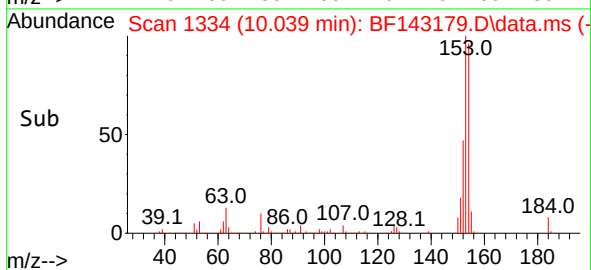
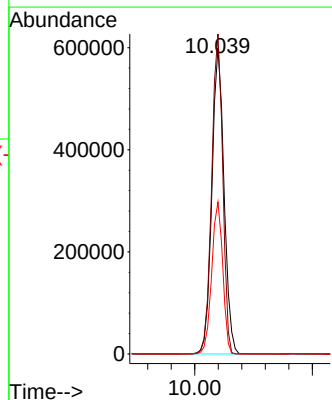
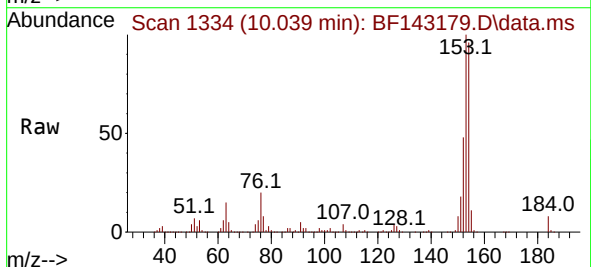
Instrument :
BNA_F
ClientSampleId :
PB168813BS

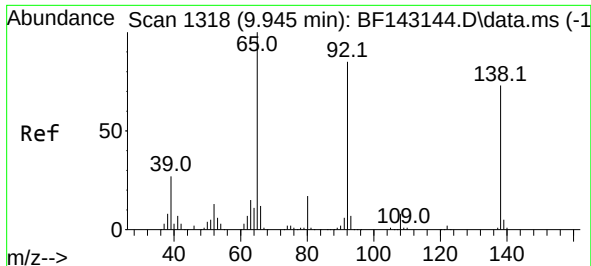
Tgt Ion:165 Resp: 204978
Ion Ratio Lower Upper
165 100
63 60.5 49.4 74.2
89 56.3 46.2 69.2



#52
Acenaphthene
Concen: 48.681 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:154 Resp: 858201
Ion Ratio Lower Upper
154 100
153 104.6 86.6 129.8
152 49.7 40.4 60.6

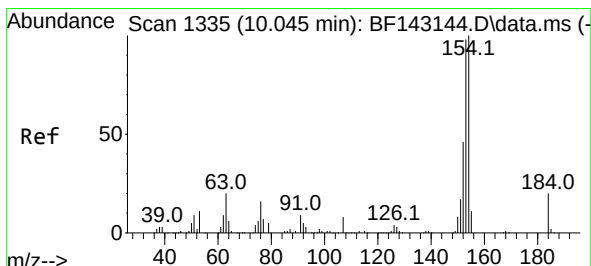
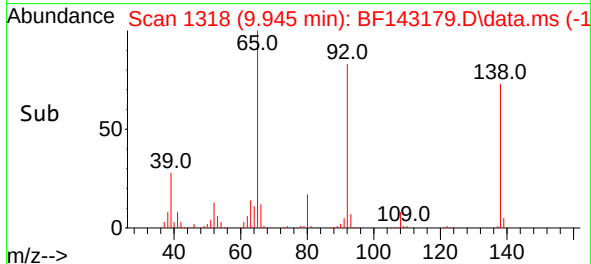
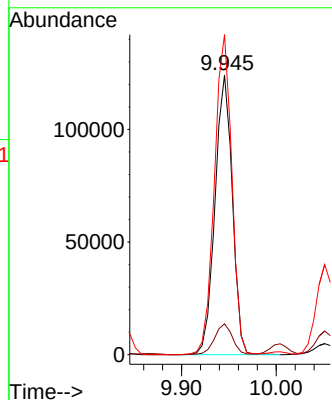
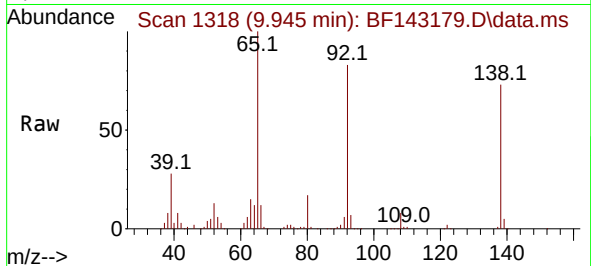




#53
3-Nitroaniline
Concen: 32.928 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

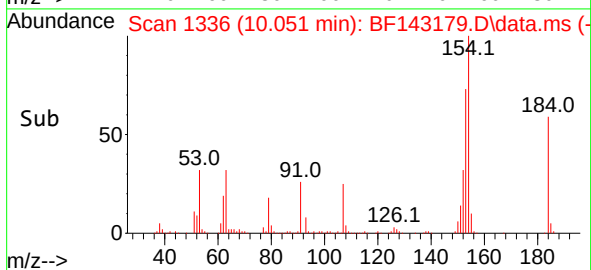
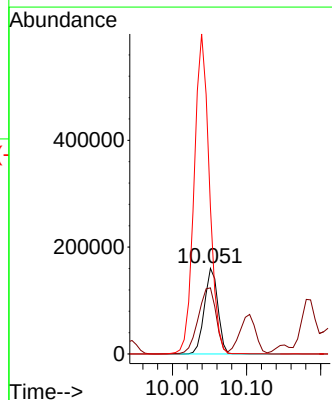
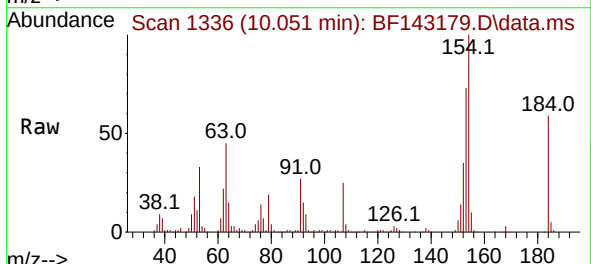
Instrument :
BNA_F
ClientSampleId :
PB168813BS

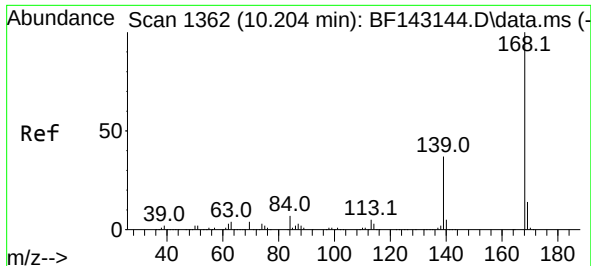
Tgt Ion:138 Resp: 157455
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.6
92 114.4 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 107.647 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:184 Resp: 204107
Ion Ratio Lower Upper
184 100
63 77.2 81.8 122.6#
154 170.9 412.2 618.4#

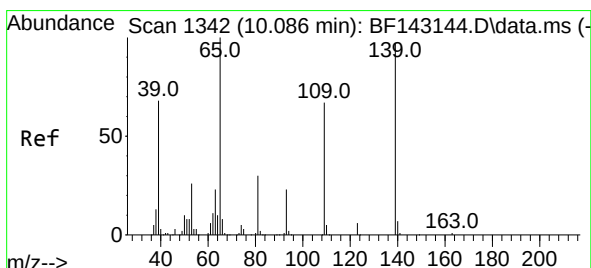
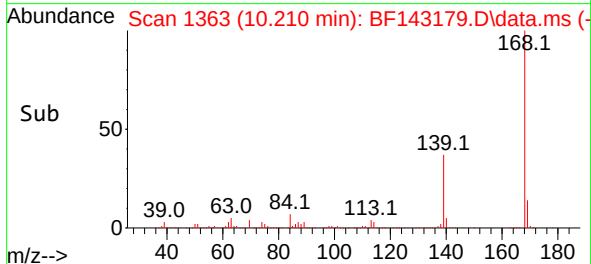
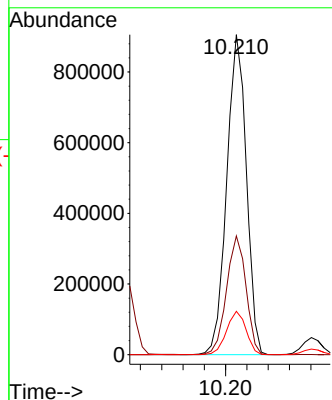
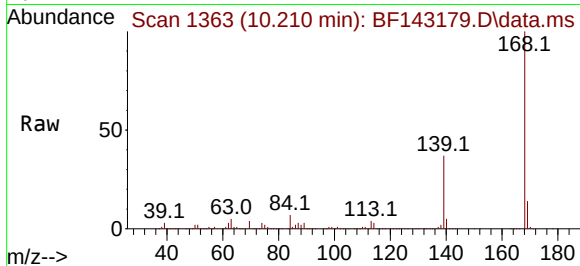




#55
Dibenzenofuran
Concen: 44.122 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

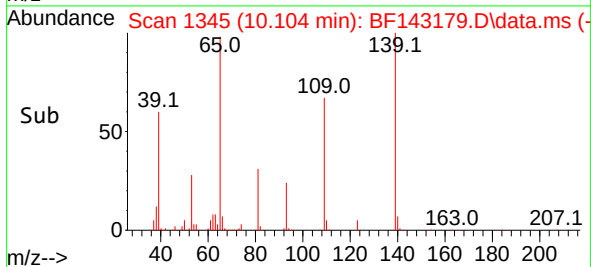
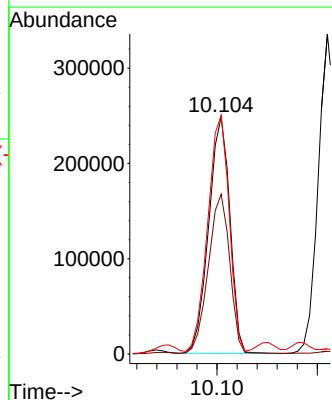
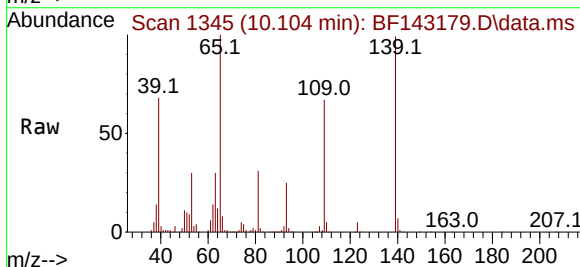
Instrument :
BNA_F
ClientSampleId :
PB168813BS

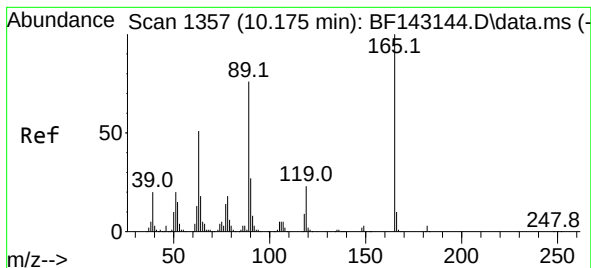
Tgt Ion:168 Resp: 1154840
Ion Ratio Lower Upper
168 100
139 37.1 29.5 44.3
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 102.167 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:139 Resp: 364810
Ion Ratio Lower Upper
139 100
109 67.4 48.5 88.5
65 100.6 83.4 123.4

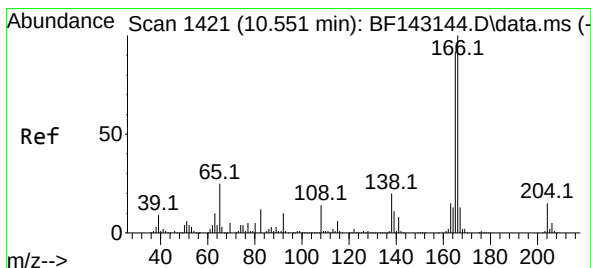
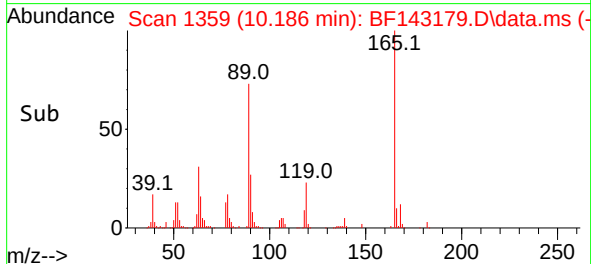
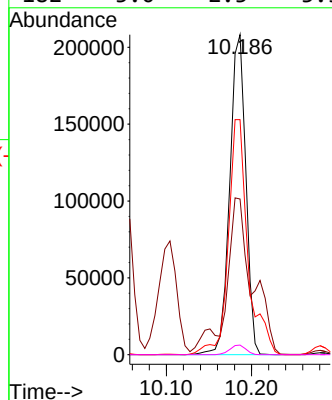
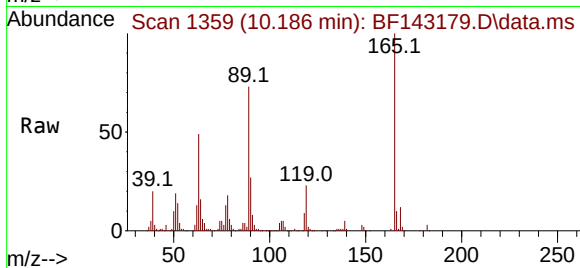




#57
2,4-Dinitrotoluene
Concen: 53.412 ng
RT: 10.186 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

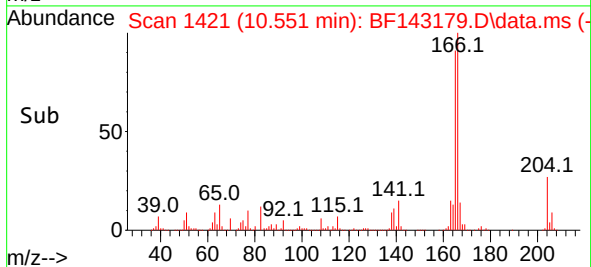
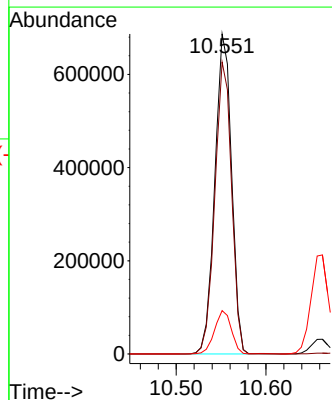
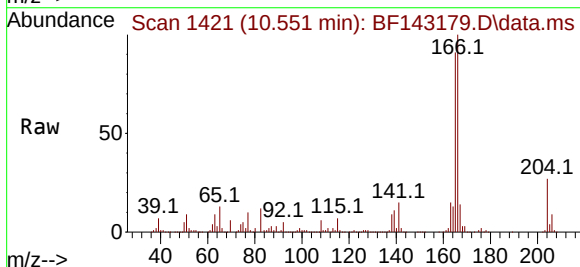
Instrument :
BNA_F
ClientSampleId :
PB168813BS

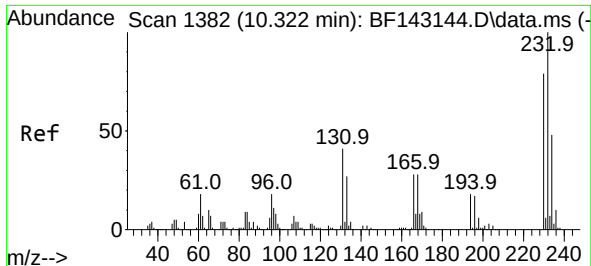
Tgt Ion:165 Resp: 273950
Ion Ratio Lower Upper
165 100
63 48.7 41.0 61.4
89 73.4 61.1 91.7
182 3.0 2.3 3.5



#58
Fluorene
Concen: 45.279 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:166 Resp: 889443
Ion Ratio Lower Upper
166 100
165 91.2 73.7 110.5
167 13.6 10.6 16.0



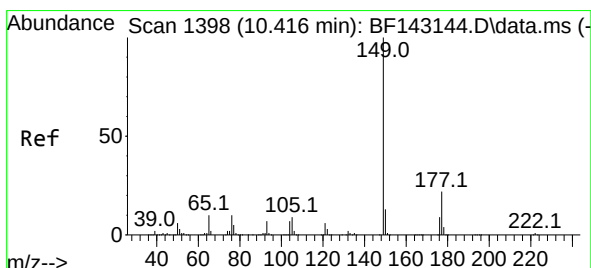
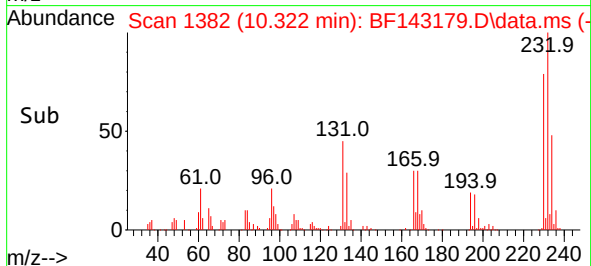
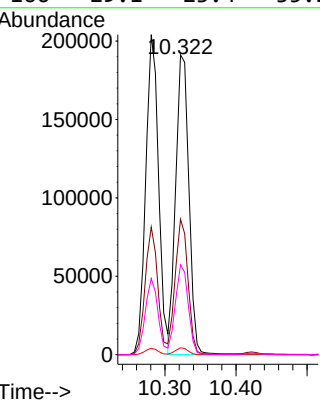
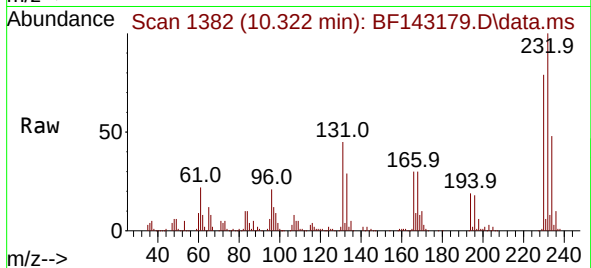


#59
2,3,4,6-Tetrachlorophenol
Concen: 48.390 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:232 Resp: 247005

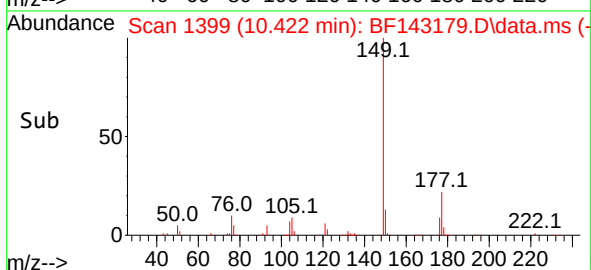
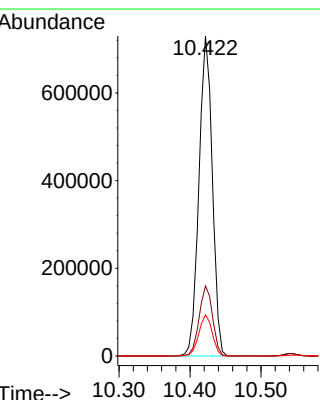
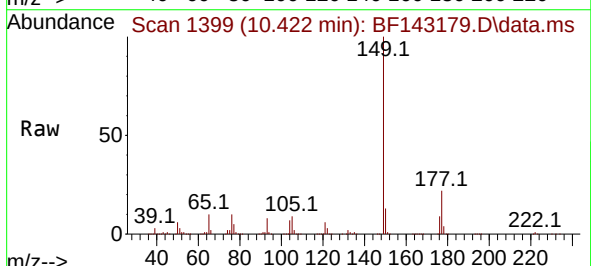
Ion	Ratio	Lower	Upper
232	100		
131	43.6	35.3	52.9
130	2.2	1.7	2.5
166	29.1	23.4	35.2

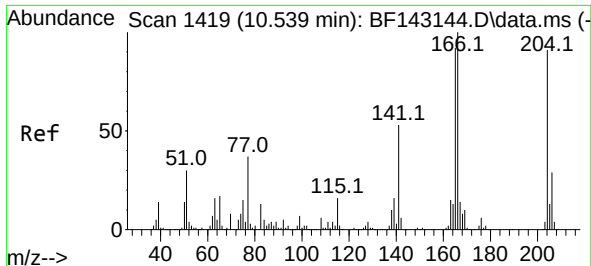


#60
Diethylphthalate
Concen: 48.030 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:149 Resp: 954021

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.5	26.3
150	12.9	10.2	15.2

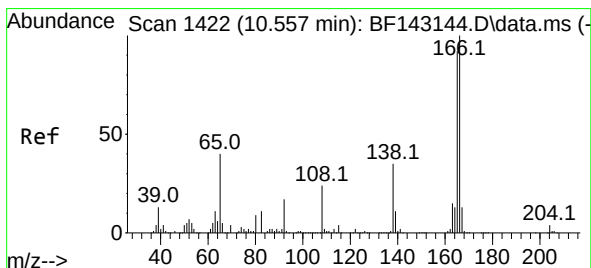
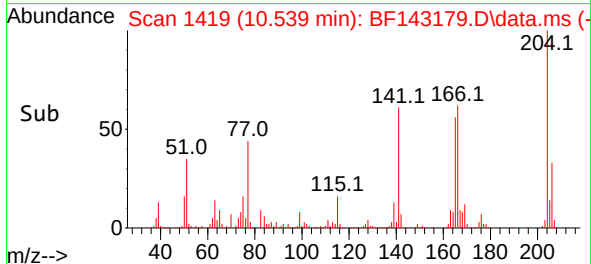
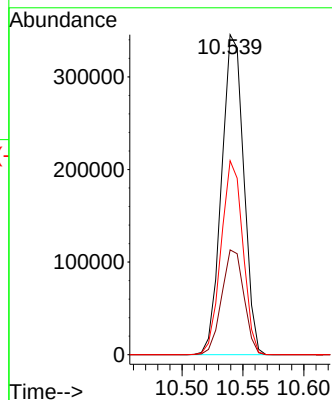
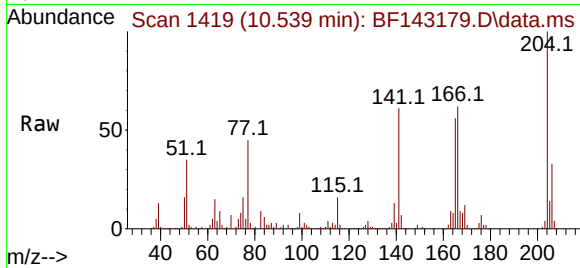




#61
4-Chlorophenyl-phenylether
Concen: 44.778 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

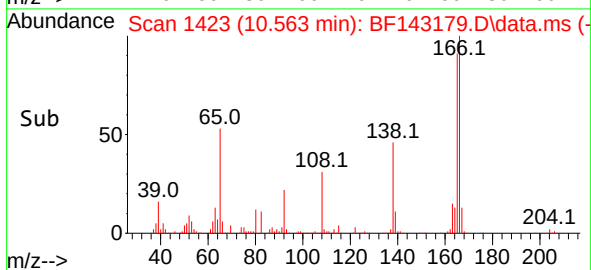
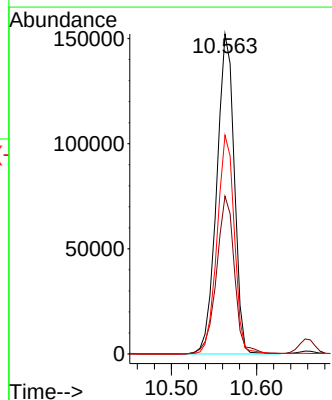
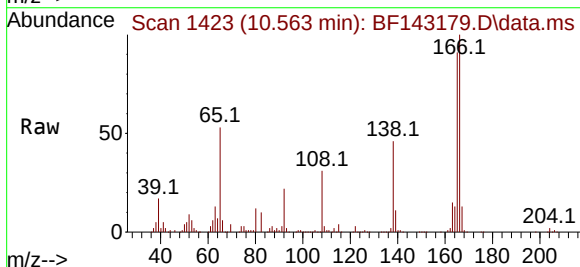
Instrument :
BNA_F
ClientSampleId :
PB168813BS

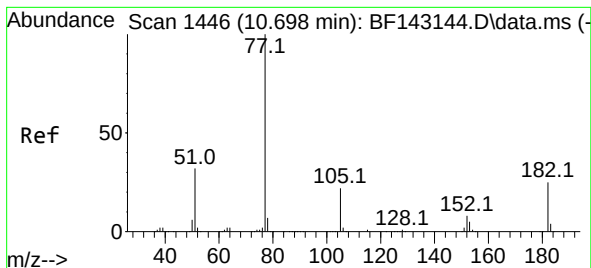
Tgt Ion:204 Resp: 437991
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 60.6 47.0 70.4



#62
4-Nitroaniline
Concen: 53.103 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:138 Resp: 217627
Ion Ratio Lower Upper
138 100
92 49.3 29.3 69.3
108 68.4 48.3 88.3





#63

Azobenzene

Concen: 46.773 ng

RT: 10.704 min Scan# 1447

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion: 77 Resp: 968287

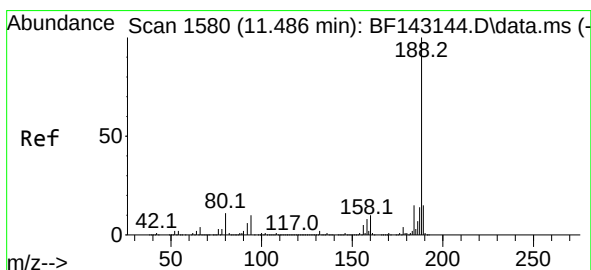
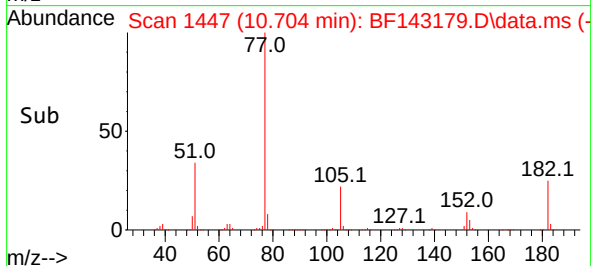
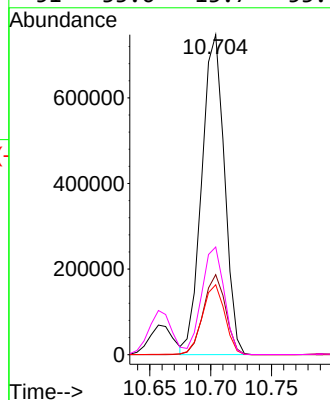
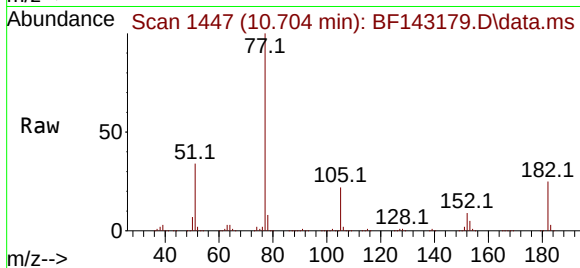
Ion Ratio Lower Upper

77 100

182 25.0 4.6 44.6

105 21.8 1.4 41.4

51 33.6 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

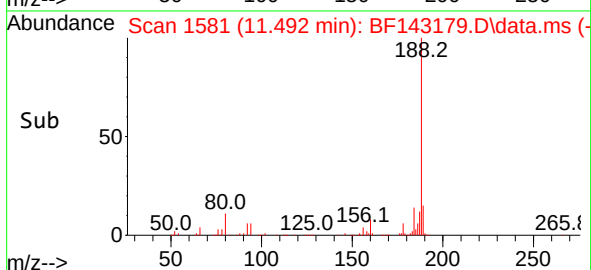
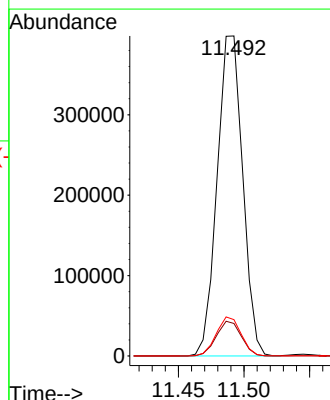
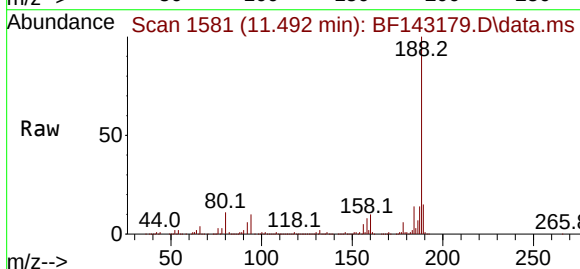
Tgt Ion:188 Resp: 540032

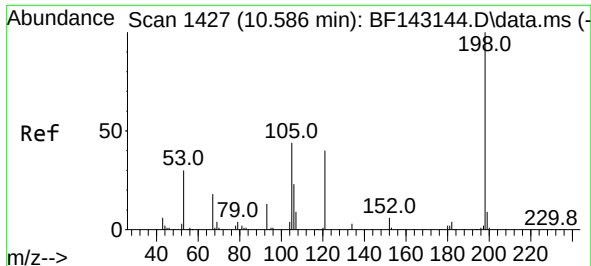
Ion Ratio Lower Upper

188 100

94 10.2 8.3 12.5

80 11.3 9.0 13.6

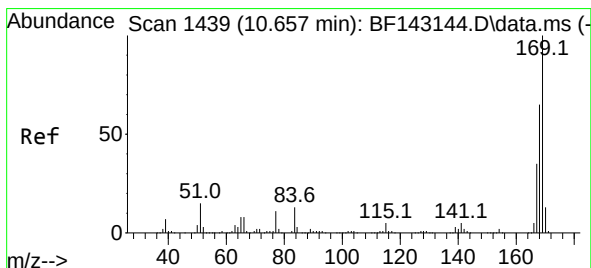
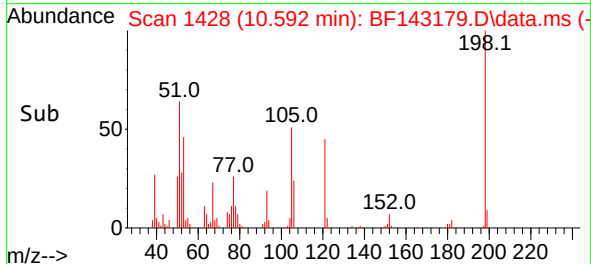
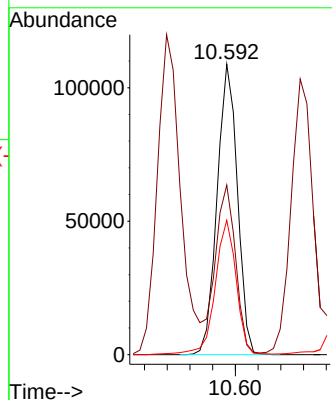
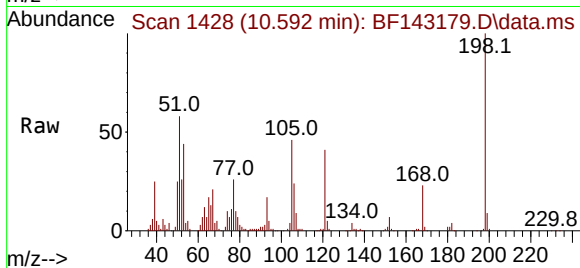




#65
4,6-Dinitro-2-methylphenol
Concen: 47.684 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

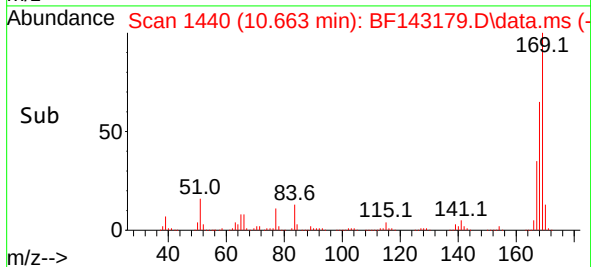
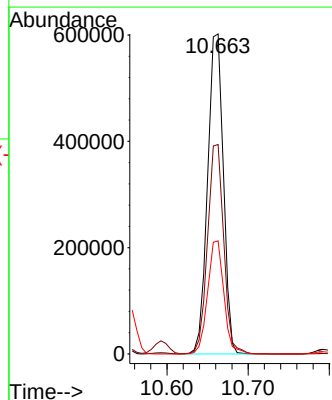
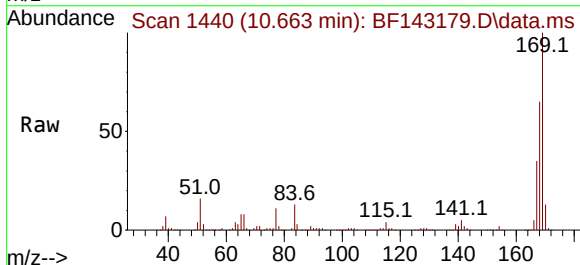
Instrument :
BNA_F
ClientSampleId :
PB168813BS

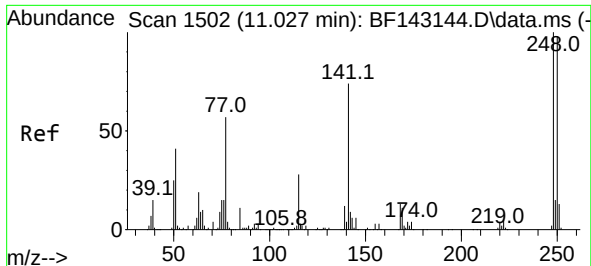
Tgt Ion:198 Resp: 134879
Ion Ratio Lower Upper
198 100
51 58.4 37.2 77.2
105 46.3 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 42.574 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:169 Resp: 809593
Ion Ratio Lower Upper
169 100
168 65.4 52.1 78.1
167 35.3 28.2 42.2

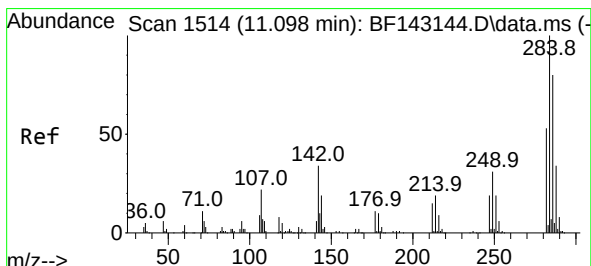
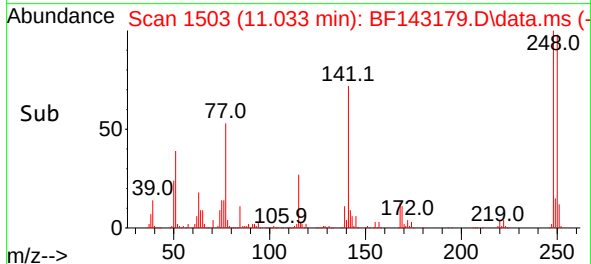
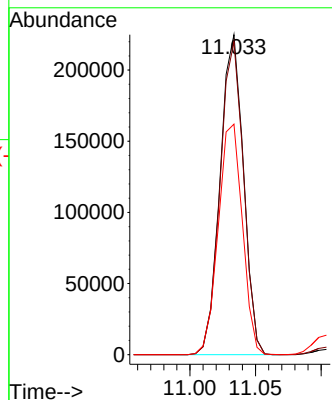
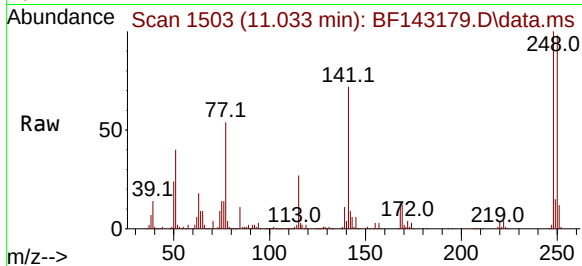




#67
4-Bromophenyl-phenylether
Concen: 43.267 ng
RT: 11.033 min Scan# 1103
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

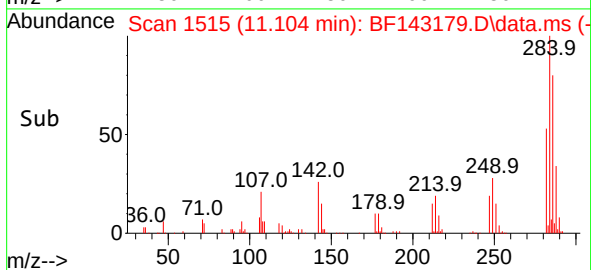
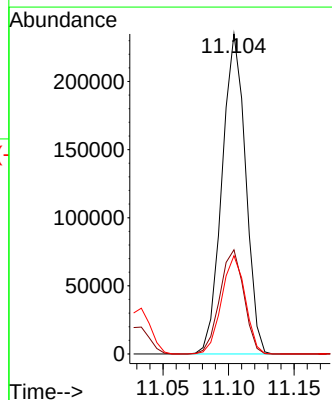
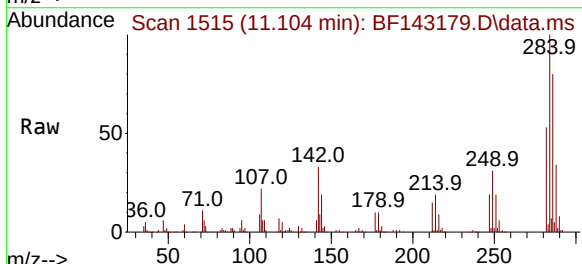
Instrument :
BNA_F
ClientSampleId :
PB168813BS

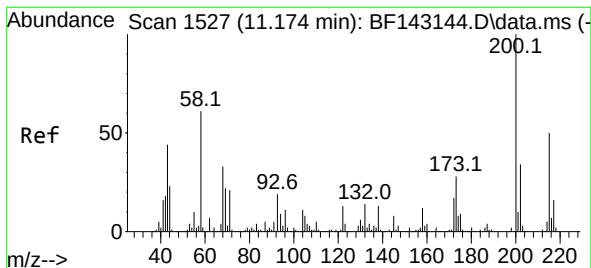
Tgt Ion:248 Resp: 278455
Ion Ratio Lower Upper
248 100
250 97.8 78.3 117.5
141 72.1 59.2 88.8



#68
Hexachlorobenzene
Concen: 43.557 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:284 Resp: 292998
Ion Ratio Lower Upper
284 100
142 32.6 27.0 40.6
249 30.7 25.0 37.6





#69

Atrazine

Concen: 49.071 ng

RT: 11.181 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

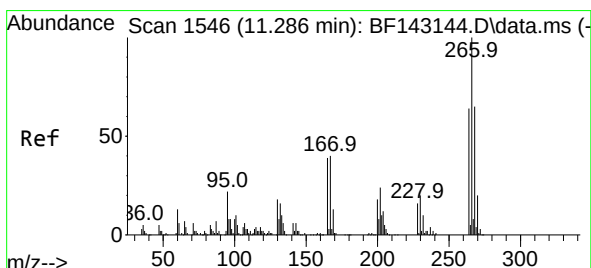
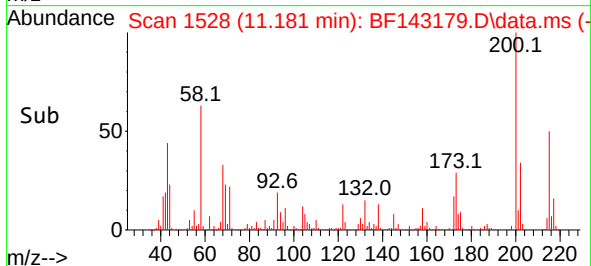
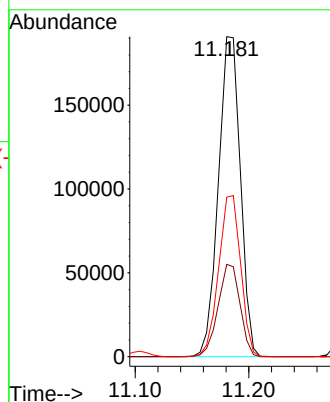
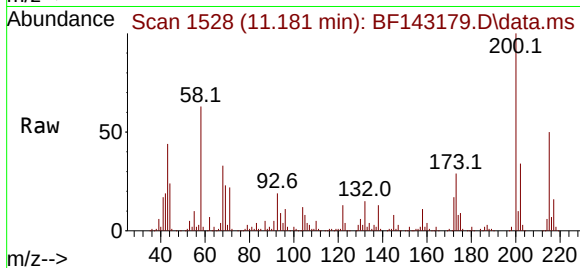
Tgt Ion:200 Resp: 257256

Ion Ratio Lower Upper

200 100

173 28.8 7.9 47.9

215 49.8 30.1 70.1



#70

Pentachlorophenol

Concen: 93.487 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

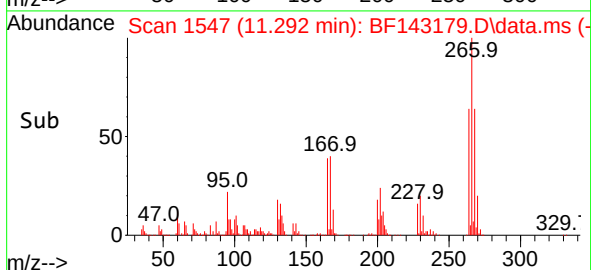
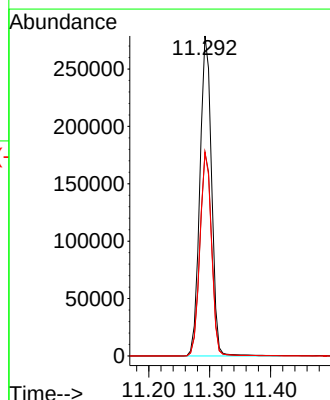
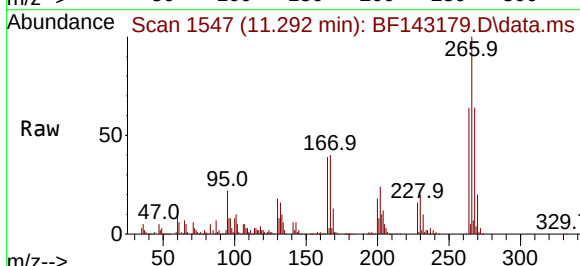
Tgt Ion:266 Resp: 369820

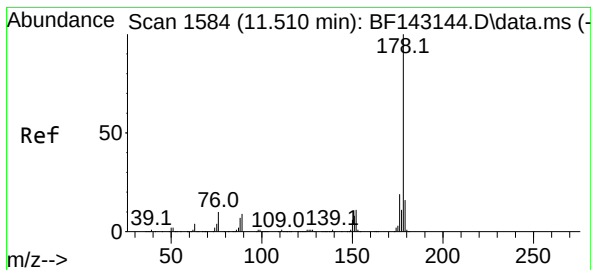
Ion Ratio Lower Upper

266 100

268 63.6 51.9 77.9

264 63.6 51.0 76.6





#71

Phenanthrene

Concen: 43.992 ng

RT: 11.516 min Scan# 1584

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

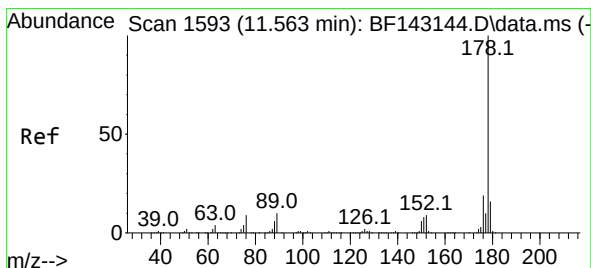
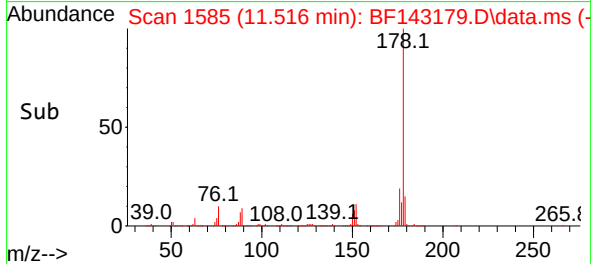
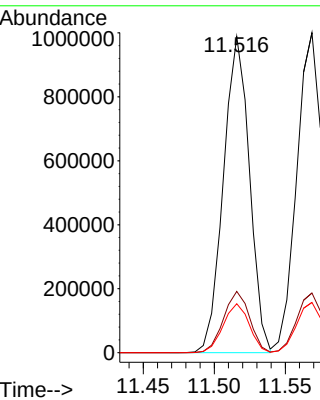
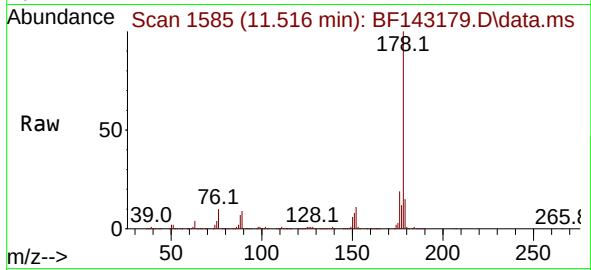
BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:178 Resp: 1261416

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.5	12.5	18.7



#72

Anthracene

Concen: 43.585 ng

RT: 11.569 min Scan# 1594

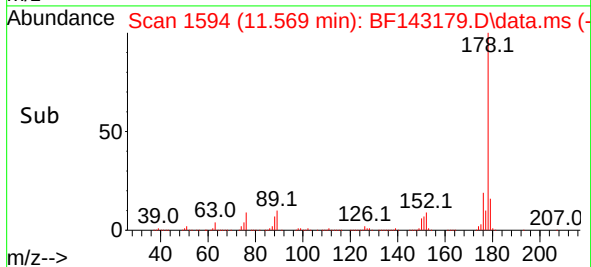
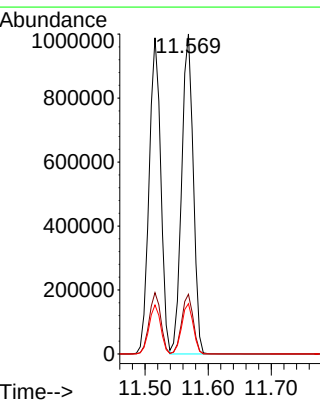
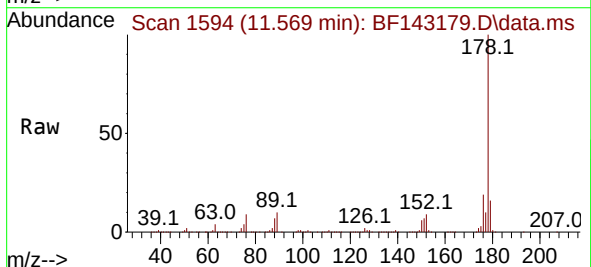
Delta R.T. 0.006 min

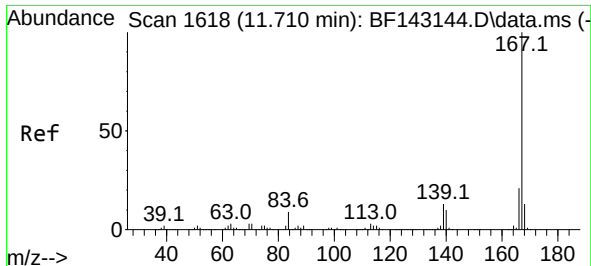
Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Tgt Ion:178 Resp: 1274603

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.7	12.5	18.7

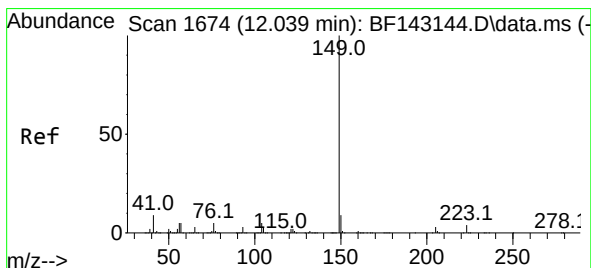
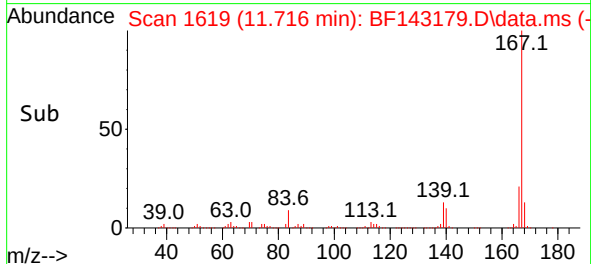
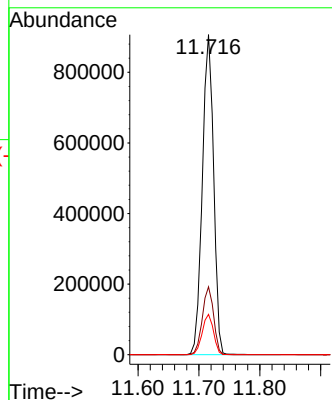
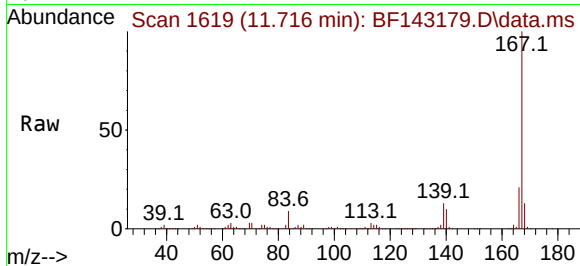




#73
 Carbazole
 Concen: 45.721 ng
 RT: 11.716 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44

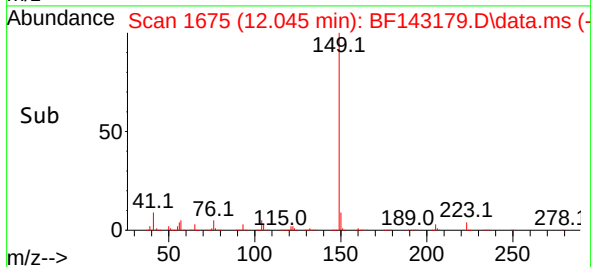
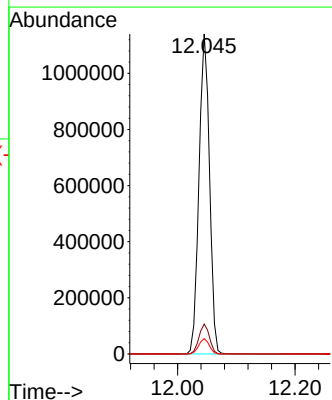
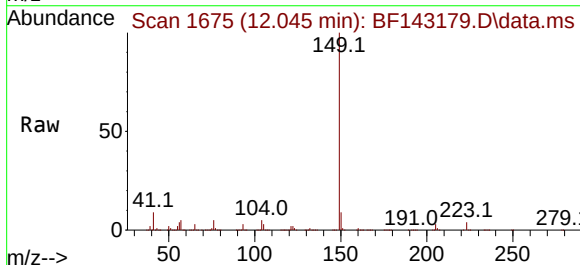
Instrument :
 BNA_F
 ClientSampleId :
 PB168813BS

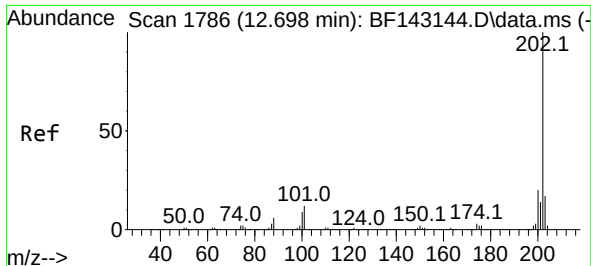
Tgt Ion:167 Resp: 1167519
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.6 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 48.912 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44

Tgt Ion:149 Resp: 1413258
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 4.8 3.8 5.8

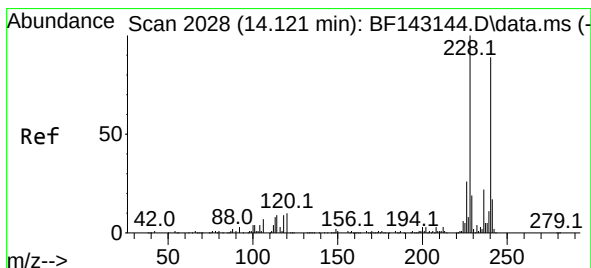
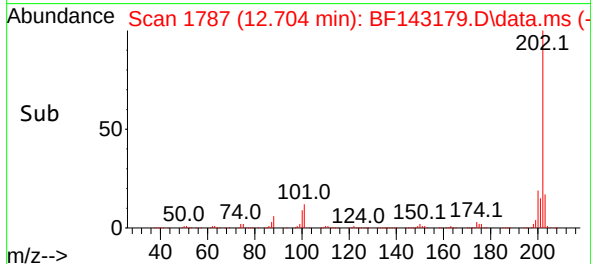
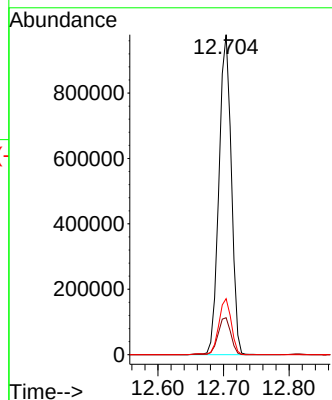
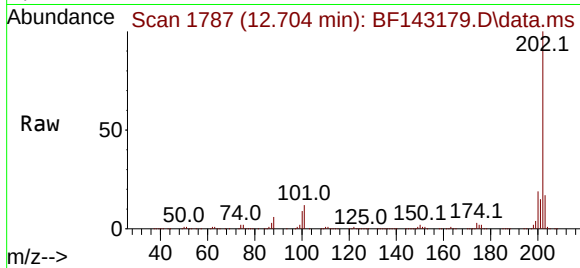




#75
Fluoranthene
Concen: 48.349 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

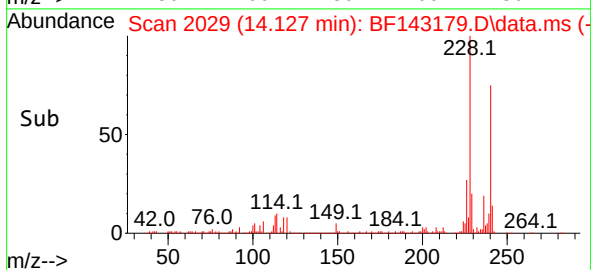
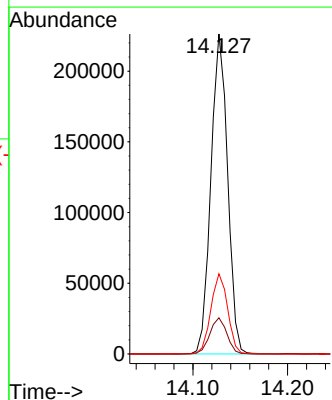
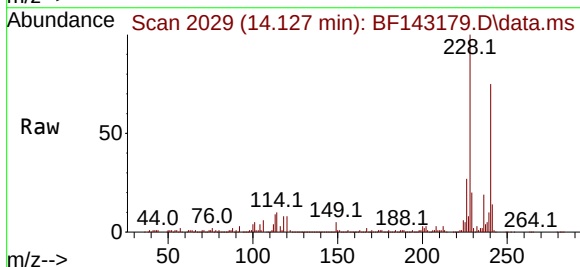
Instrument :
BNA_F
ClientSampleId :
PB168813BS

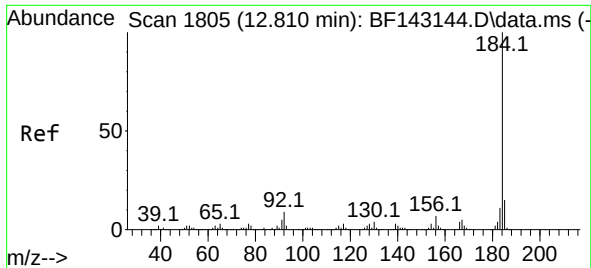
Tgt Ion:202 Resp: 1272502
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:240 Resp: 276421
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 25.1 20.2 30.4

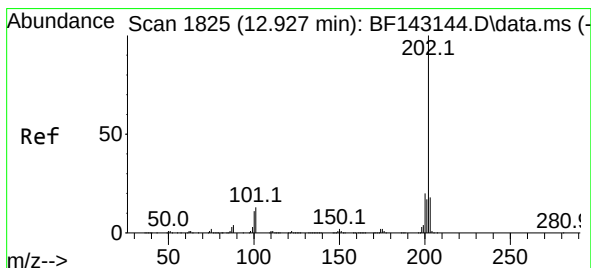
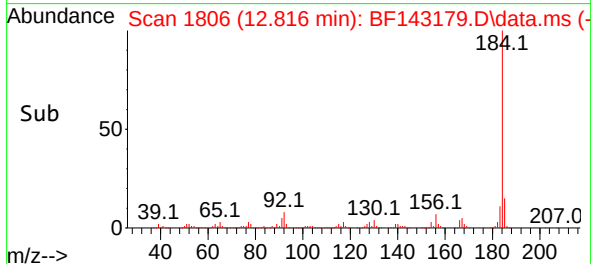
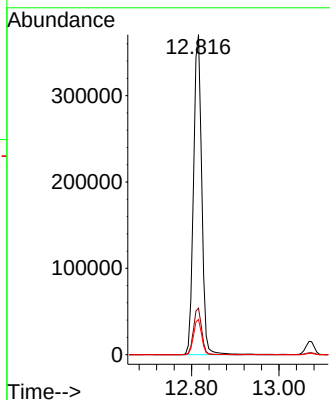
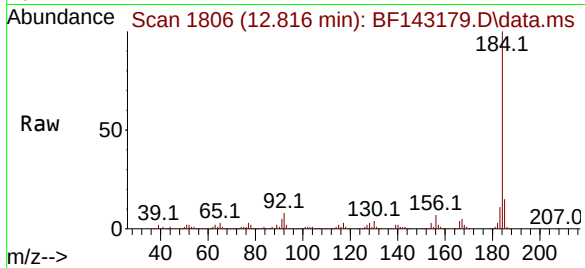




#77
Benzidine
Concen: 45.460 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

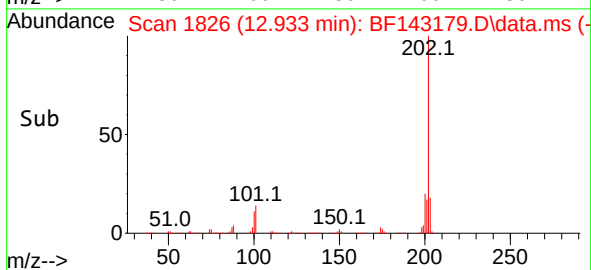
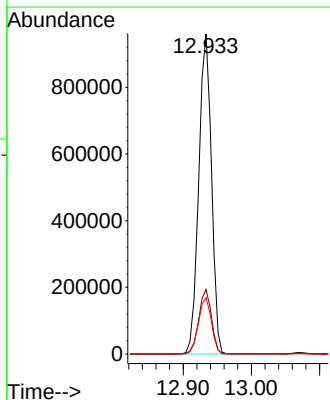
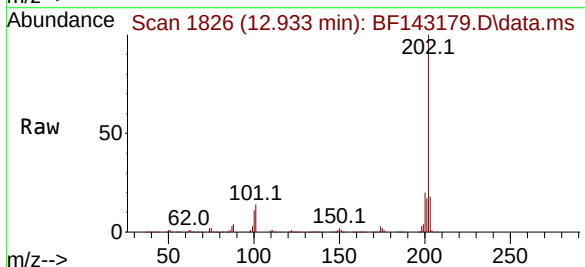
Instrument :
BNA_F
ClientSampleId :
PB168813BS

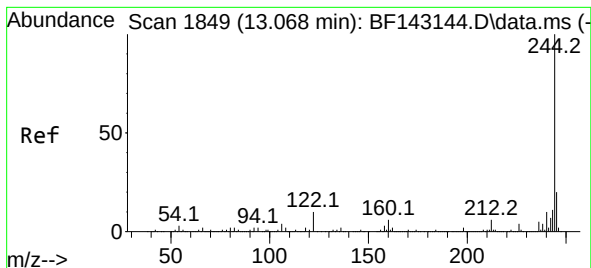
Tgt Ion:184 Resp: 484143
Ion Ratio Lower Upper
184 100
185 14.6 12.2 18.4
183 11.0 9.0 13.4



#78
Pyrene
Concen: 52.781 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:202 Resp: 1245151
Ion Ratio Lower Upper
202 100
200 20.1 15.7 23.5
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 89.322 ng

RT: 13.075 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

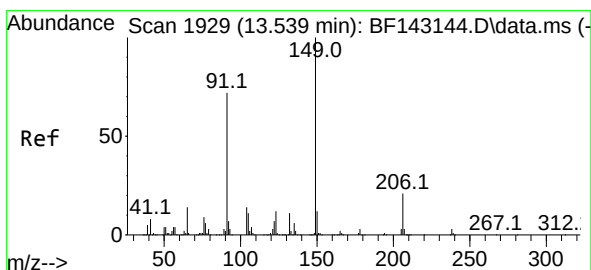
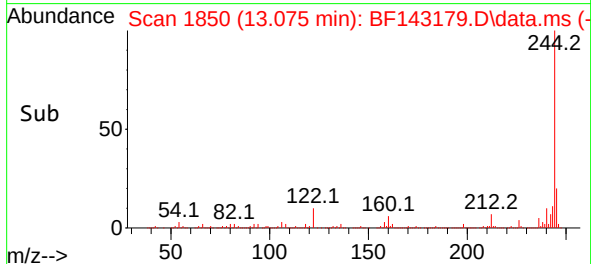
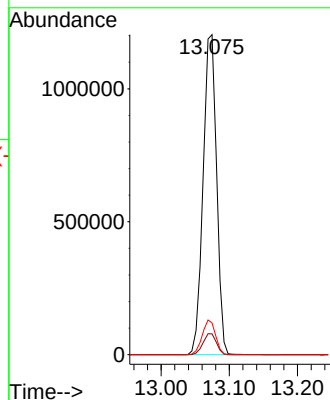
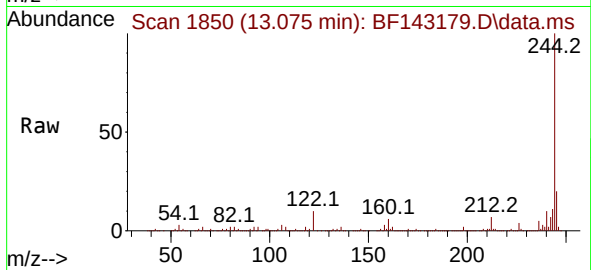
Tgt Ion:244 Resp: 1659178

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 9.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 58.084 ng

RT: 13.545 min Scan# 1930

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

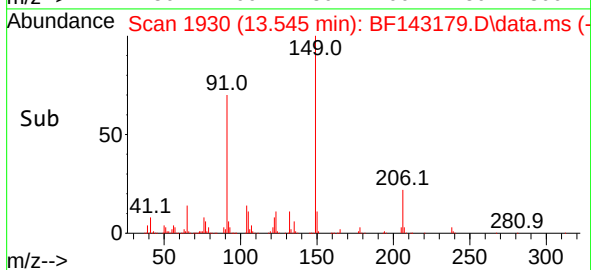
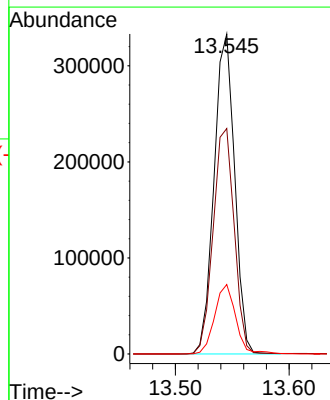
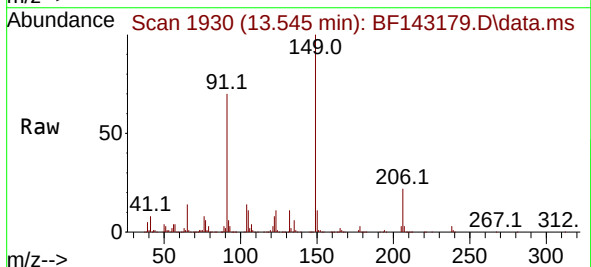
Tgt Ion:149 Resp: 419591

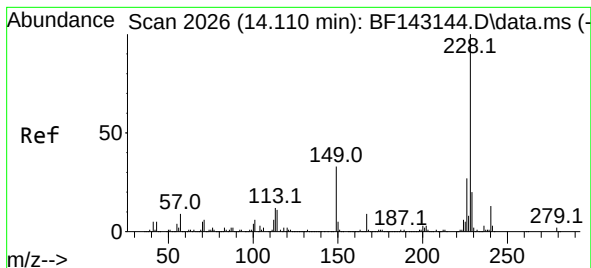
Ion Ratio Lower Upper

149 100

91 70.5 57.9 86.9

206 21.7 17.0 25.4





#81

Benzo(a)anthracene

Concen: 45.084 ng

RT: 14.116 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

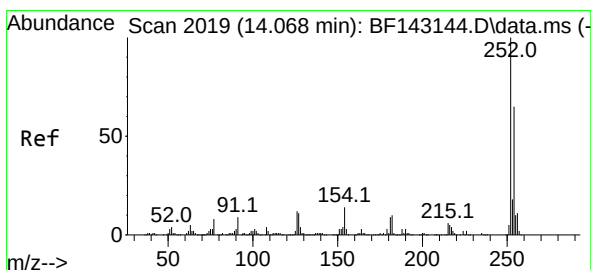
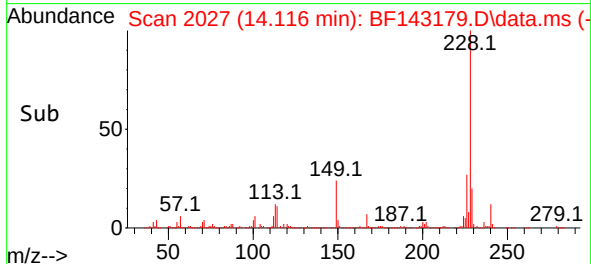
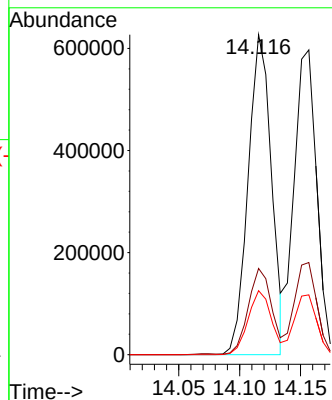
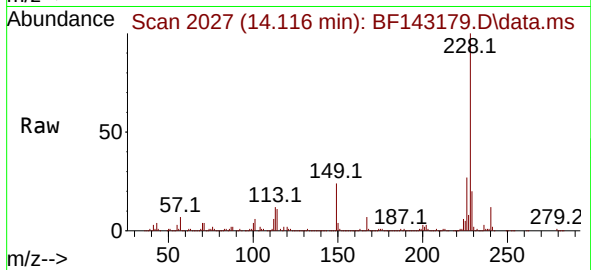
Tgt Ion:228 Resp: 834348

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 20.0 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 24.469 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

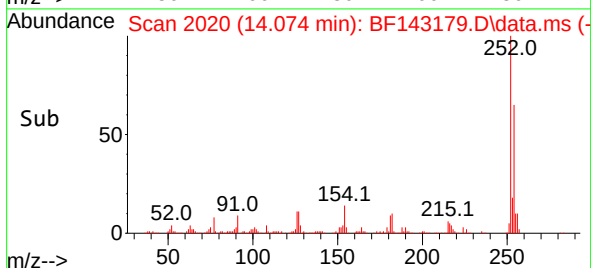
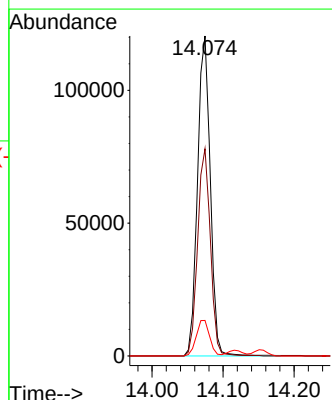
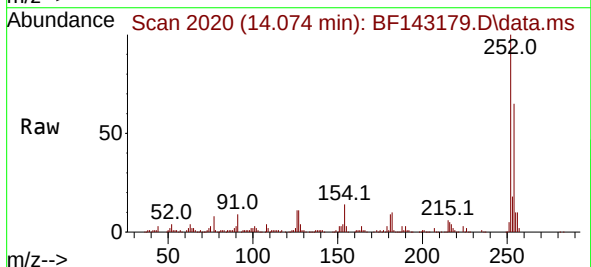
Tgt Ion:252 Resp: 150923

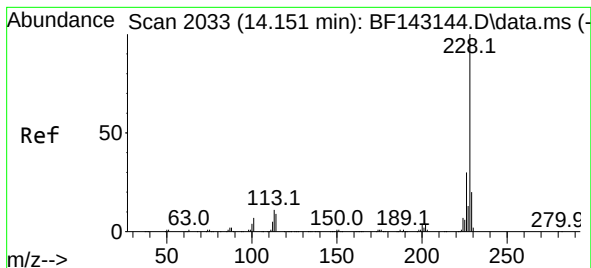
Ion Ratio Lower Upper

252 100

254 64.8 51.7 77.5

126 11.1 9.4 14.0





#83

Chrysene

Concen: 46.508 ng

RT: 14.157 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

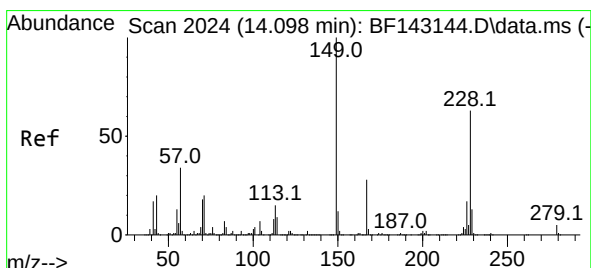
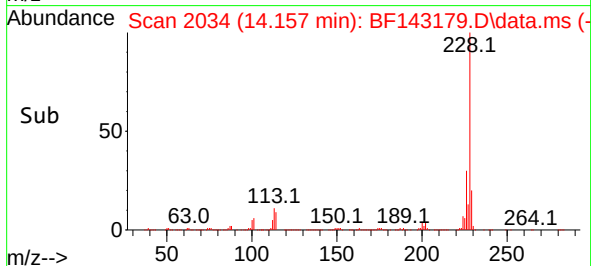
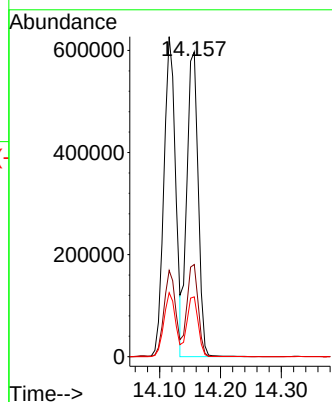
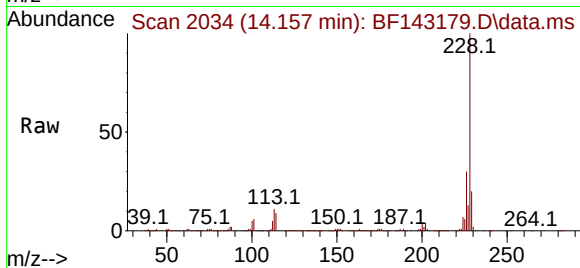
Tgt Ion:228 Resp: 773845

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.581 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

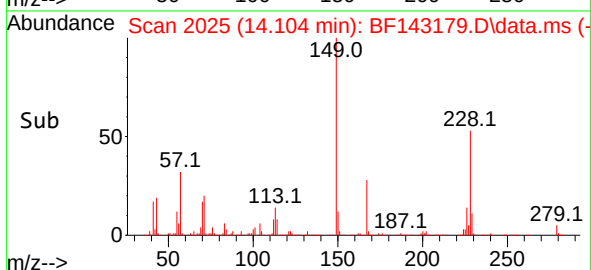
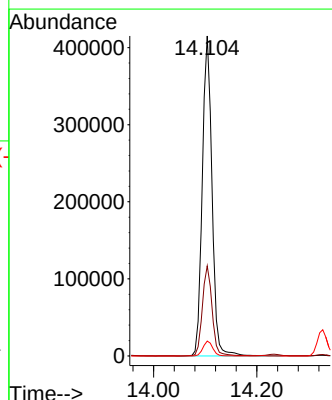
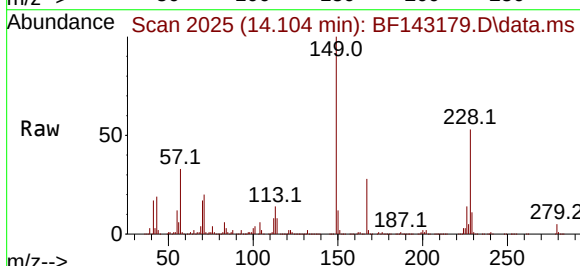
Tgt Ion:149 Resp: 542125

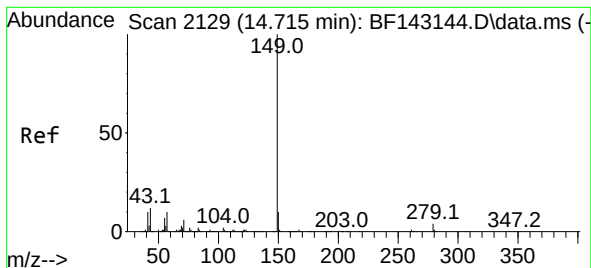
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.7 3.6 5.4

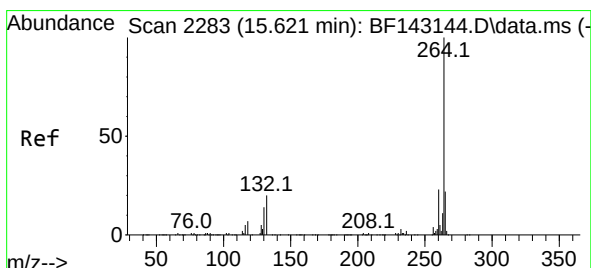
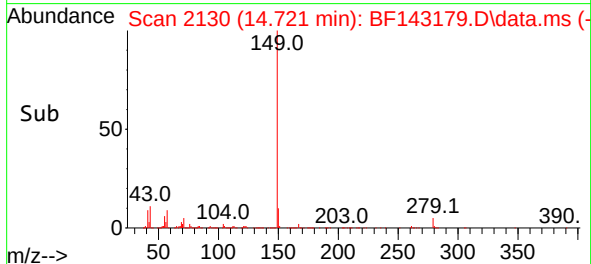
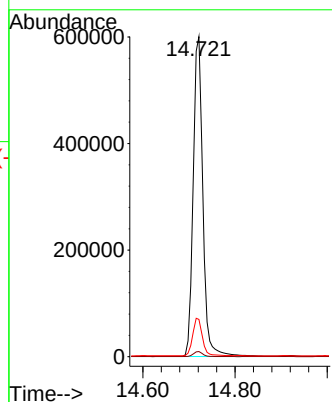
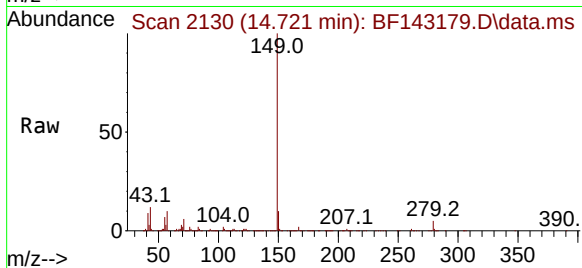




#85
Di-n-octyl phthalate
Concen: 44.043 ng
RT: 14.721 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

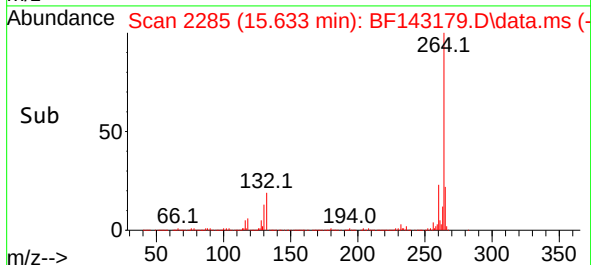
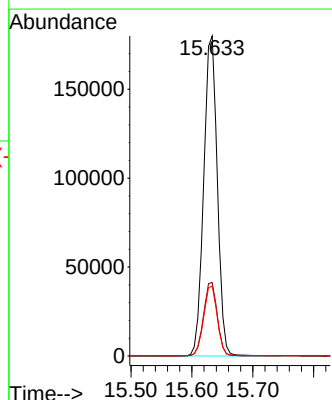
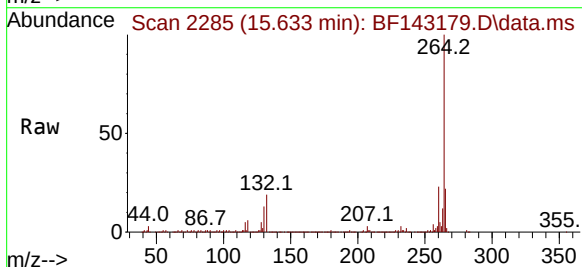
Instrument :
BNA_F
ClientSampleId :
PB168813BS

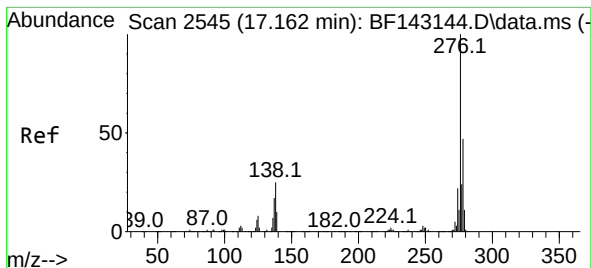
Tgt Ion:149 Resp: 872909
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.6 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:264 Resp: 278917
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.847 ng

RT: 17.174 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

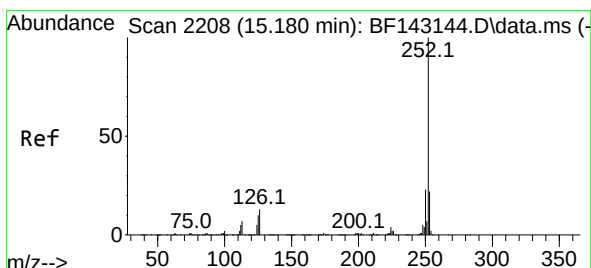
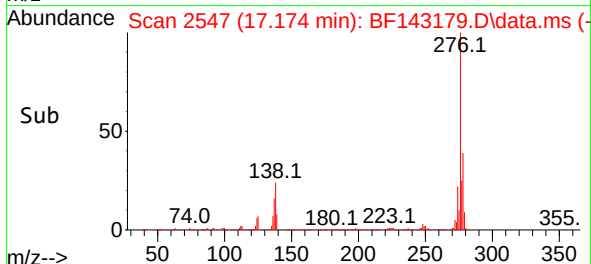
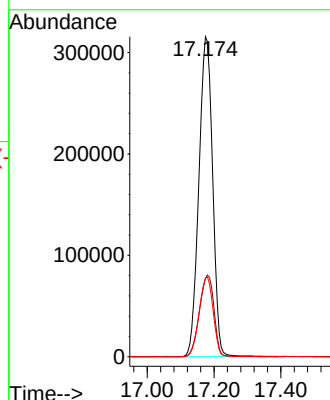
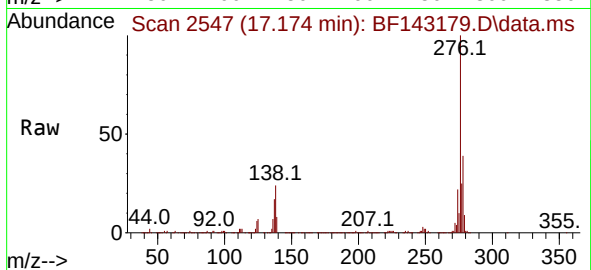
Tgt Ion:276 Resp: 901700

Ion Ratio Lower Upper

276 100

138 26.9 21.8 32.6

277 25.3 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 47.244 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

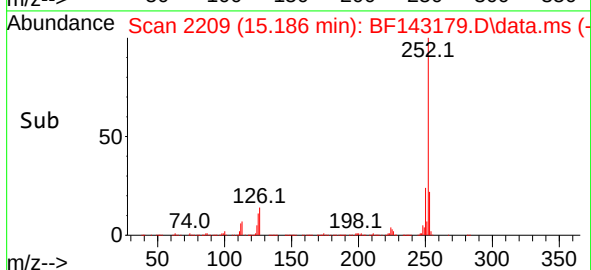
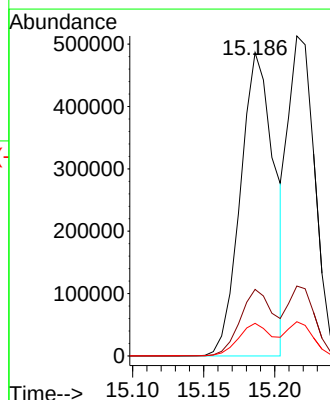
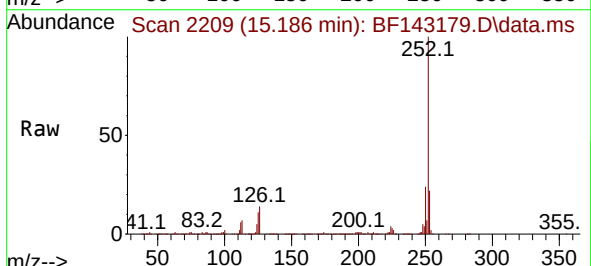
Tgt Ion:252 Resp: 805003

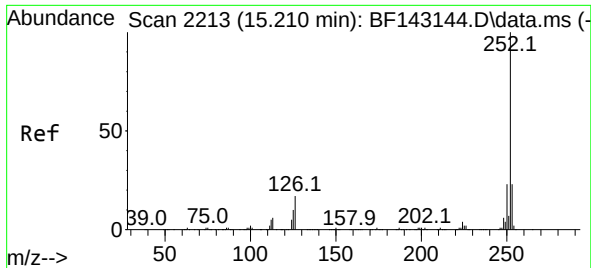
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.8 8.0 12.0

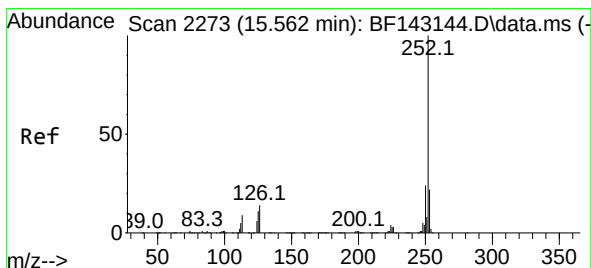
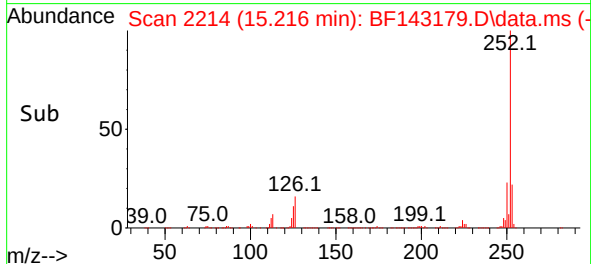
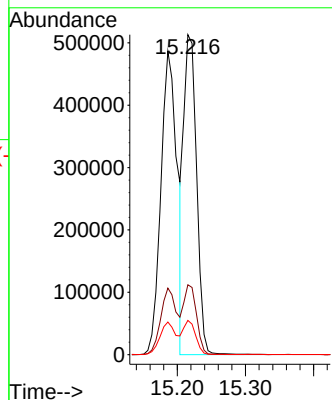
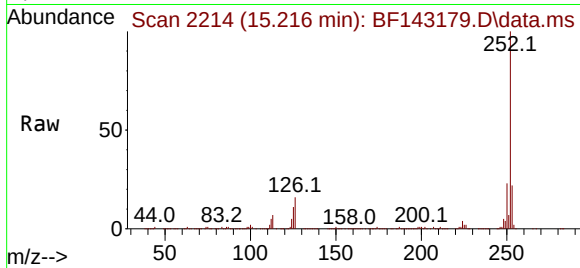




#89
Benzo(k)fluoranthene
Concen: 44.106 ng
RT: 15.216 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

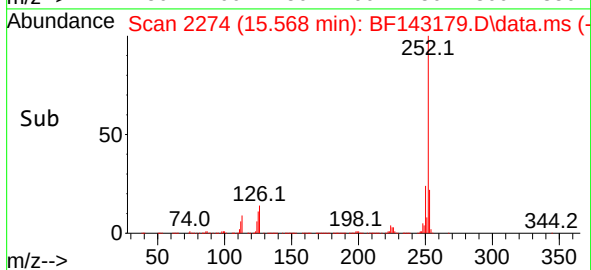
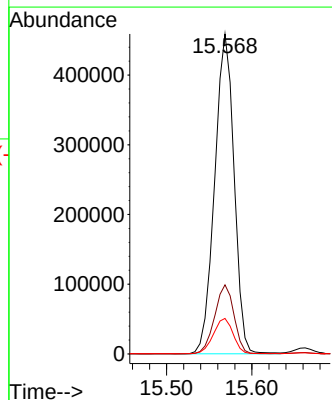
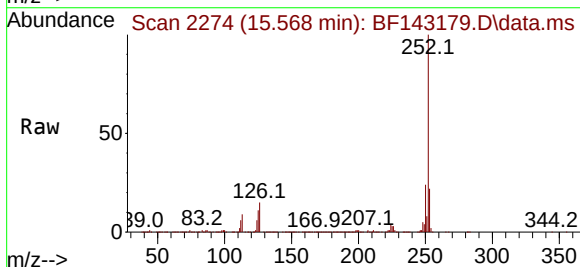
Instrument :
BNA_F
ClientSampleId :
PB168813BS

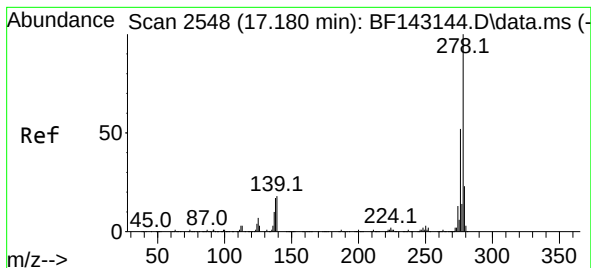
Tgt Ion:252 Resp: 670629
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 10.7 8.1 12.1



#90
Benzo(a)pyrene
Concen: 46.279 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:252 Resp: 726542
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 11.1 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 45.444 ng

RT: 17.192 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

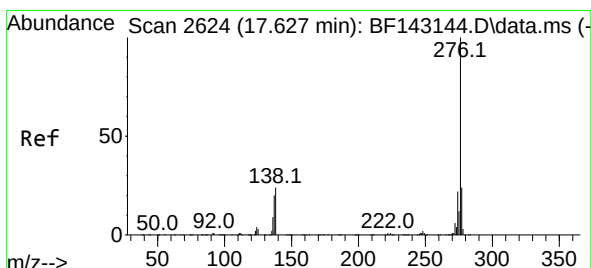
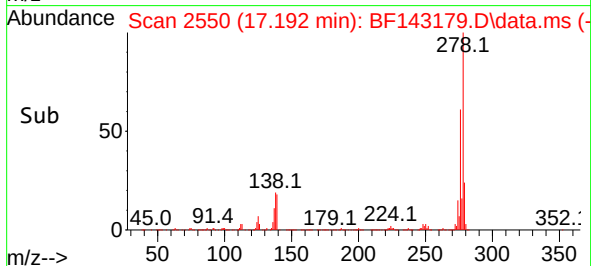
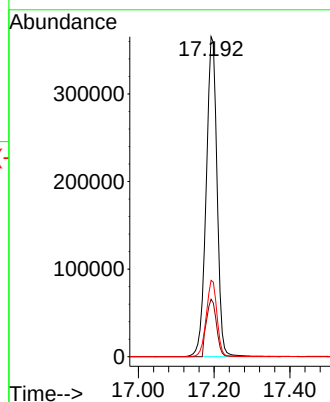
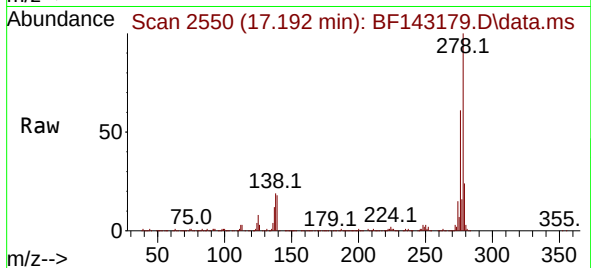
Tgt Ion:278 Resp: 727463

Ion Ratio Lower Upper

278 100

139 18.0 14.1 21.1

279 23.8 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 46.754 ng

RT: 17.645 min Scan# 2627

Delta R.T. 0.018 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Tgt Ion:276 Resp: 723992

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 23.0 18.9 28.3

